APPENDIX 5.3 BIG-1

AIR QUALITY TECHNICAL REPORT

*PART 12

1935	495561.06, 3859301.99	0.05641	0.04867	0.05879	8.66E-04	3.54E-06	1.58E-03	0.002446	8.84E-04	3.49E-06	1.75E-03	2.64E-03	8.40E-04	4.43E-06	3.37E-03	4.21E-03
1936	495611.06, 3859301.99	0.05602	0.04838	0.05838	8.60E-04	3.52E-06	1.57E-03	0.002429	8.78E-04	3.47E-06	1.74E-03	2.62E-03	8.35E-04	4.40E-06	3.34E-03	4.18E-03
1937	495661.06, 3859301.99	0.05562	0.04807	0.05796	8.53E-04	3.50E-06	1.55E-03	0.002412	8.72E-04	3.44E-06	1.73E-03	2.60E-03	8.29E-04	4.37E-06	3.32E-03	4.15E-03
1938	494311.06, 3859351.99	0.07381	0.06156	0.07688	1.13E-03	4.48E-06	2.06E-03	0.003199	1.16E-03	4.41E-06	2.29E-03	3.46E-03	1.10E-03	5.60E-06	4.40E-03	5.51E-03
1939	494361.06, 3859351.99	0.07299	0.06104	0.07606	1.12E-03	4.44E-06	2.04E-03	0.003164	1.14E-03	4.37E-06	2.27E-03	3.42E-03	1.09E-03	5.55E-06	4.36E-03	5.45E-03
1940	494411.06, 3859351.99	0.07184	0.06025	0.07491	1.10E-03	4.39E-06	2.01E-03	0.003116	1.13E-03	4.32E-06	2.23E-03	3.37E-03	1.07E-03	5.48E-06	4.29E-03	5.37E-03
1941	494461.06, 3859351.99	0.07085	0.05957	0.07391	1.09E-03	4.34E-06	1.98E-03	0.003074	1.11E-03	4.27E-06	2.20E-03	3.32E-03	1.06E-03	5.42E-06	4.23E-03	5.29E-03
1942	494511.06, 3859351.99	0.06996	0.05896	0.073	1.07E-03	4.29E-06	1.96E-03	0.003036	1.10E-03	4.22E-06	2.18E-03	3.28E-03	1.04E-03	5.36E-06	4.18E-03	5.23E-03
1943	494561.06, 3859351.99	0.0693	0.05853	0.07232	1.06E-03	4.26E-06	1.94E-03	0.003007	1.09E-03	4.19E-06	2.16E-03	3.25E-03	1.03E-03	5.32E-06	4.14E-03	5.18E-03
1944	494611.06, 3859351.99	0.06853	0.05798	0.07152	1.05E-03	4.22E-06	1.92E-03	0.002974	1.07E-03	4.15E-06	2.13E-03	3.21E-03	1.02E-03	5.27E-06	4.10E-03	5.12E-03
1945	494661.06, 3859351.99	0.06769	0.05739	0.07066	1.04E-03	4.18E-06	1.90E-03	0.002938	1.06E-03	4.11E-06	2.11E-03	3.17E-03	1.01E-03	5.22E-06	4.05E-03	5.06E-03
1946	494711.06, 3859351.99	0.06661	0.05657	0.06954	1.02E-03	4.12E-06	1.87E-03	0.002891	1.04E-03	4.05E-06	2.07E-03	3.12E-03	9.92E-04	5.15E-06	3.98E-03	4.98E-03
1947	494761.06, 3859351.99	0.06519	0.0555	0.06811	1.00E-03	4.04E-06	1.83E-03	0.002831	1.02E-03	3.98E-06	2.03E-03	3.06E-03	9.71E-04	5.05E-06	3.90E-03	4.88E-03
1948	494811.06, 3859351.99	0.06332	0.05392	0.06607	9.72E-04	3.92E-06	1.77E-03	0.002748	9.93E-04	3.86E-06	1.97E-03	2.97E-03	9.43E-04	4.90E-06	3.78E-03	4.73E-03
1949	494861.06, 3859351.99	0.06259	0.05337	0.06531	9.60E-04	3.88E-06	1.75E-03	0.002716	9.81E-04	3.82E-06	1.95E-03	2.93E-03	9.32E-04	4.85E-06	3.74E-03	4.68E-03
1950	494911.06, 3859351.99	0.06212	0.05302	0.06481	9.53E-04	3.86E-06	1.74E-03	0.002695	9.74E-04	3.80E-06	1.93E-03	2.91E-03	9.25E-04	4.82E-06	3.71E-03	4.64E-03
1951	494961.06, 3859351.99	0.06127	0.05234	0.06391	9.40E-04	3.81E-06	1.71E-03	0.002658	9.61E-04	3.75E-06	1.91E-03	2.87E-03	9.13E-04	4.76E-06	3.66E-03	4.58E-03
1952	495011.06, 3859351.99	0.06067	0.05187	0.06328	9.31E-04	3.78E-06	1.70E-03	0.002632	9.51E-04	3.72E-06	1.89E-03	2.84E-03	9.04E-04	4.72E-06	3.62E-03	4.53E-03
1953	495061.06, 3859351.99	0.06102	0.05224	0.06367	9.36E-04	3.80E-06	1.71E-03	0.002648	9.57E-04	3.74E-06	1.90E-03	2.86E-03	9.09E-04	4.75E-06	3.65E-03	4.56E-03
1954	495111.06, 3859351.99	0.06035	0.05171	0.06296	9.26E-04	3.76E-06	1.69E-03	0.002618	9.46E-04	3.71E-06	1.88E-03	2.83E-03	8.99E-04	4.70E-06	3.61E-03	4.51E-03
1955	495161.06, 3859351.99	0.06004	0.05148	0.06264	9.21E-04	3.75E-06	1.68E-03	0.002605	9.41E-04	3.69E-06	1.87E-03	2.81E-03	8.94E-04	4.68E-06	3.59E-03	4.49E-03
1956	495211.06, 3859351.99	0.05968	0.05122	0.06227	9.16E-04	3.73E-06	1.67E-03	0.00259	9.36E-04	3.67E-06	1.86E-03	2.80E-03	8.89E-04	4.66E-06	3.57E-03	4.46E-03
1957	495261.06, 3859351.99	0.05958	0.05118	0.06217	9.14E-04	3.73E-06	1.67E-03	0.002585	9.34E-04	3.67E-06	1.85E-03	2.79E-03	8.88E-04	4.66E-06	3.56E-03	4.45E-03
1958	495311.06, 3859351.99	0.05903	0.05075	0.06159	9.06E-04	3.69E-06	1.65E-03	0.002561	9.26E-04	3.64E-06	1.84E-03	2.77E-03	8.79E-04	4.62E-06	3.53E-03	4.41E-03
1959	495361.06, 3859351.99	0.05872	0.05052	0.06127	9.01E-04	3.68E-06	1.64E-03	0.002548	9.21E-04	3.62E-06	1.83E-03	2.75E-03	8.75E-04	4.60E-06	3.51E-03	4.39E-03
1960	495411.06, 3859351.99	0.05858	0.05045	0.06113	8.99E-04	3.67E-06	1.64E-03	0.002542	9.18E-04	3.61E-06	1.82E-03	2.75E-03	8.73E-04	4.59E-06	3.50E-03	4.38E-03
1961	495461.06, 3859351.99	0.05856	0.05048	0.06112	8.99E-04	3.67E-06	1.64E-03	0.002542	9.18E-04	3.62E-06	1.82E-03	2.75E-03	8.72E-04	4.59E-06	3.50E-03	4.38E-03
1962	495511.06, 3859351.99	0.05779	0.04985	0.0603	8.87E-04	3.63E-06	1.62E-03	0.002508	9.06E-04	3.57E-06	1.80E-03	2.71E-03	8.61E-04	4.53E-06	3.45E-03	4.32E-03
1963	495561.06, 3859351.99	0.05722	0.04939	0.0597	8.78E-04	3.60E-06	1.60E-03	0.002483	8.97E-04	3.54E-06	1.78E-03	2.68E-03	8.52E-04	4.49E-06	3.42E-03	4.28E-03
1964	495611.06, 3859351.99	0.05683	0.04909	0.05928	8.72E-04	3.57E-06	1.59E-03	0.002466	8.91E-04	3.52E-06	1.77E-03	2.66E-03	8.47E-04	4.47E-06	3.40E-03	4.25E-03
1965	495661.06, 3859351.99	0.05605	0.04845	0.05845	8.60E-04	3.53E-06	1.57E-03	0.002431	8.79E-04	3.47E-06	1.74E-03	2.63E-03	8.35E-04	4.41E-06	3.35E-03	4.19E-03
1966	494311.06, 3859401.99	0.07378	0.06117	0.07671	1.13E-03	4.45E-06	2.06E-03	0.003194	1.16E-03	4.38E-06	2.29E-03	3.45E-03	1.10E-03	5.56E-06	4.39E-03	5.50E-03
1967	494361.06, 3859401.99	0.0727	0.06046	0.07565	1.12E-03	4.40E-06	2.03E-03	0.003149	1.14E-03	4.33E-06	2.26E-03	3.40E-03	1.08E-03	5.50E-06	4.33E-03	5.42E-03
1968	494411.06, 3859401.99	0.07155	0.05969	0.07452	1.10E-03	4.34E-06	2.00E-03	0.003101	1.12E-03	4.28E-06	2.22E-03	3.35E-03	1.07E-03	5.43E-06	4.27E-03	5.34E-03
1969	494461.06, 3859401.99	0.0707	0.05913	0.07366	1.08E-03	4.30E-06	1.98E-03	0.003065	1.11E-03	4.24E-06	2.20E-03	3.31E-03	1.05E-03	5.38E-06	4.22E-03	5.28E-03
1970	494511.06, 3859401.99	0.07012	0.05879	0.07308	1.08E-03	4.28E-06	1.96E-03	0.00304	1.10E-03	4.21E-06	2.18E-03	3.28E-03	1.04E-03	5.35E-06	4.19E-03	5.24E-03
1971	494561.06, 3859401.99	0.06943	0.05834	0.07238	1.07E-03	4.25E-06	1.94E-03	0.003011	1.09E-03	4.18E-06	2.16E-03	3.25E-03	1.03E-03	5.31E-06	4.15E-03	5.19E-03
1972	494611.06, 3859401.99	0.06855	0.05774	0.07149	1.05E-03	4.20E-06	1.92E-03	0.002974	1.07E-03	4.14E-06	2.13E-03	3.21E-03	1.02E-03	5.25E-06	4.10E-03	5.12E-03
1973	494661.06, 3859401.99	0.06793	0.05734	0.07086	1.04E-03	4.17E-06	1.90E-03	0.002947	1.07E-03	4.11E-06	2.11E-03	3.18E-03	1.01E-03	5.22E-06	4.06E-03	5.08E-03
1974	494711.06, 3859401.99	0.06717	0.05681	0.07008	1.03E-03	4.14E-06	1.88E-03	0.002914	1.05E-03	4.07E-06	2.09E-03	3.15E-03	1.00E-03	5.17E-06	4.01E-03	5.02E-03
1975	494761.06, 3859401.99	0.06567	0.05571	0.0686	1.01E-03	4.06E-06	1.84E-03	0.002852	1.03E-03	3.99E-06	2.05E-03	3.08E-03	9.78E-04	5.07E-06	3.93E-03	4.91E-03
1976	494811.06, 3859401.99	0.06462	0.05487	0.06744	9.92E-04	3.99E-06	1.81E-03	0.002804	1.01E-03	3.93E-06	2.01E-03	3.03E-03	9.63E-04	4.99E-06	3.86E-03	4.83E-03
1977	494861.06, 3859401.99	0.06321	0.05376	0.06597	9.70E-04	3.91E-06	1.77E-03	0.002743	9.91E-04	3.85E-06	1.97E-03	2.96E-03	9.42E-04	4.89E-06	3.78E-03	4.73E-03
1978	494911.06, 3859401.99	0.06234	0.05311	0.06509	9.57E-04	3.87E-06	1.75E-03	0.002706	9.77E-04	3.81E-06	1.94E-03	2.92E-03	9.29E-04	4.83E-06	3.73E-03	4.66E-03
1979	494961.06, 3859401.99	0.06188	0.05277	0.06458	9.50E-04	3.84E-06	1.73E-03	0.002685	9.70E-04	3.78E-06	1.93E-03	2.90E-03	9.22E-04	4.80E-06	3.70E-03	4.63E-03
1980	495011.06, 3859401.99	0.06157	0.05257	0.06426	9.45E-04	3.83E-06	1.72E-03	0.002672	9.65E-04	3.77E-06	1.92E-03	2.89E-03	9.17E-04	4.78E-06	3.68E-03	4.60E-03
1981	495061.06, 3859401.99	0.06135	0.05248	0.06408	9.41E-04	3.82E-06	1.72E-03	0.002664	9.62E-04	3.76E-06	1.91E-03	2.88E-03	9.14E-04	4.77E-06	3.67E-03	4.59E-03
1982	495111.06, 3859401.99	0.06065	0.05193	0.06334	9.31E-04	3.78E-06	1.70E-03	0.002633	9.51E-04	3.72E-06	1.89E-03	2.84E-03	9.04E-04	4.72E-06	3.63E-03	4.54E-03
1983	495161.06, 3859401.99	0.06047	0.0518	0.06312	9.28E-04	3.77E-06	1.69E-03	0.002625	9.48E-04	3.71E-06	1.88E-03	2.83E-03	9.01E-04	4.71E-06	3.62E-03	4.52E-03
1984	495211.06, 3859401.99	0.06039	0.05179	0.06304	9.27E-04	3.77E-06	1.69E-03	0.002621	9.47E-04	3.71E-06	1.88E-03	2.83E-03	9.00E-04	4.71E-06	3.61E-03	4.52E-03
1985	495261.06, 3859401.99	0.06006	0.05155	0.06269	9.22E-04	3.75E-06	1.68E-03	0.002607	9.42E-04	3.69E-06	1.87E-03	2.82E-03	8.95E-04	4.69E-06	3.59E-03	4.49E-03
1986	495311.06, 3859401.99	0.05967	0.05126	0.06229	9.16E-04	3.73E-06	1.67E-03	0.00259	9.36E-04	3.67E-06	1.86E-03	2.80E-03	8.89E-04	4.66E-06	3.57E-03	4.46E-03
1987	495361.06, 3859401.99	0.05966	0.05131	0.06229	9.15E-04	3.73E-06	1.67E-03	0.00259	9.35E-04	3.68E-06	1.86E-03	2.80E-03	8.89E-04	4.67E-06	3.57E-03	4.46E-03
1988	495411.06, 3859401.99	0.05942	0.05115	0.06205	9.12E-04	3.72E-06	1.66E-03	0.00258	9.32E-04	3.67E-06	1.85E-03	2.79E-03	8.85E-04	4.65E-06	3.55E-03	4.44E-03
1989	495461.06, 3859401.99	0.05894	0.05078	0.06154	9.04E-04	3.70E-06	1.65E-03	0.002559	9.24E-04	3.64E-06	1.84E-03	2.76E-03	8.78E-04	4.62E-06	3.53E-03	4.41E-03
1990	495511.06, 3859401.99	0.05821	0.05019	0.06077	8.93E-04	3.65E-06	1.63E-03	0.002527	9.13E-04	3.60E-06	1.81E-03	2.73E-03	8.67E-04	4.57E-06	3.48E-03	4.35E-03
1991	495561.06, 3859401.99	0.05735	0.04949	0.05986	8.80E-04	3.60E-06	1.61E-03	0.002489	8.99E-04	3.55E-06	1.79E-03	2.69E-03	8.54E-04	4.50E-06	3.43E-03	4.29E-03

1992	495611.06, 3859401.99	0.0569	0.04913	0.05938	8.73E-04	3.58E-06	1.59E-03	0.002469	8.92E-04	3.52E-06	1.77E-03	2.67E-03	8.48E-04	4.47E-06	3.40E-03	4.25E-03
1993	495661.06, 3859401.99	0.05652	0.04885	0.05899	8.67E-04	3.56E-06	1.58E-03	0.002453	8.86E-04	3.50E-06	1.76E-03	2.65E-03	8.42E-04	4.44E-06	3.38E-03	4.23E-03
1994	494311.06, 3859451.99	0.07321	0.06042	0.07601	1.12E-03	4.40E-06	2.04E-03	0.003166	1.15E-03	4.33E-06	2.27E-03	3.42E-03	1.09E-03	5.50E-06	4.35E-03	5.45E-03
1995	494361.06, 3859451.99	0.07228	0.05982	0.07511	1.11E-03	4.35E-06	2.01E-03	0.003128	1.13E-03	4.29E-06	2.24E-03	3.38E-03	1.08E-03	5.44E-06	4.30E-03	5.38E-03
1996	494411.06, 3859451.99	0.07093	0.05889	0.07379	1.09E-03	4.29E-06	1.98E-03	0.003072	1.11E-03	4.22E-06	2.20E-03	3.32E-03	1.06E-03	5.36E-06	4.23E-03	5.29E-03
1997	494461.06, 3859451.99	0.07049	0.05865	0.07335	1.08E-03	4.27E-06	1.97E-03	0.003053	1.11E-03	4.20E-06	2.19E-03	3.30E-03	1.05E-03	5.33E-06	4.20E-03	5.26E-03
1998	494511.06, 3859451.99	0.06969	0.05814	0.07255	1.07E-03	4.23E-06	1.95E-03	0.003019	1.09E-03	4.17E-06	2.16E-03	3.26E-03	1.04E-03	5.29E-06	4.16E-03	5.20E-03
1999	494561.06, 3859451.99	0.06905	0.05774	0.07191	1.06E-03	4.20E-06	1.93E-03	0.002992	1.08E-03	4.14E-06	2.15E-03	3.23E-03	1.03E-03	5.25E-06	4.12E-03	5.15E-03
2000	494611.06, 3859451.99	0.06867	0.05755	0.07153	1.05E-03	4.19E-06	1.92E-03	0.002976	1.08E-03	4.12E-06	2.13E-03	3.21E-03	1.02E-03	5.23E-06	4.10E-03	5.13E-03
2001	494661.06, 3859451.99	0.0678	0.05696	0.07065	1.04E-03	4.15E-06	1.89E-03	0.002939	1.06E-03	4.08E-06	2.11E-03	3.17E-03	1.01E-03	5.18E-06	4.05E-03	5.06E-03
2002	494711.06, 3859451.99	0.06692	0.05635	0.06976	1.03E-03	4.10E-06	1.87E-03	0.002902	1.05E-03	4.04E-06	2.08E-03	3.13E-03	9.97E-04	5.13E-06	4.00E-03	5.00E-03
2003	494761.06, 3859451.99	0.06619	0.05585	0.06901	1.02E-03	4.07E-06	1.85E-03	0.002871	1.04E-03	4.00E-06	2.06E-03	3.10E-03	9.86E-04	5.08E-06	3.95E-03	4.94E-03
2004	494811.06, 3859451.99	0.06503	0.055	0.06783	9.98E-04	4.00E-06	1.82E-03	0.002821	1.02E-03	3.94E-06	2.02E-03	3.05E-03	9.69E-04	5.00E-06	3.89E-03	4.86E-03
2005	494861.06, 3859451.99	0.06407	0.0543	0.06685	9.83E-04	3.95E-06	1.79E-03	0.00278	1.00E-03	3.89E-06	1.99E-03	3.00E-03	9.54E-04	4.94E-06	3.83E-03	4.79E-03
2006	494911.06, 3859451.99	0.06336	0.05378	0.0661	9.72E-04	3.91E-06	1.77E-03	0.002749	9.93E-04	3.85E-06	1.97E-03	2.97E-03	9.44E-04	4.89E-06	3.79E-03	4.74E-03
2007	494961.06, 3859451.99	0.06295	0.05352	0.06569	9.66E-04	3.90E-06	1.76E-03	0.002732	9.87E-04	3.83E-06	1.96E-03	2.95E-03	9.38E-04	4.87E-06	3.76E-03	4.71E-03
2008	495011.06, 3859451.99	0.06242	0.05315	0.06514	9.58E-04	3.87E-06	1.75E-03	0.002709	9.79E-04	3.81E-06	1.94E-03	2.93E-03	9.30E-04	4.83E-06	3.73E-03	4.67E-03
2009	495061.06, 3859451.99	0.0619	0.05278	0.0646	9.50E-04	3.84E-06	1.73E-03	0.002686	9.71E-04	3.78E-06	1.93E-03	2.90E-03	9.22E-04	4.80E-06	3.70E-03	4.63E-03
2010	495111.06, 3859451.99	0.06136	0.05239	0.06404	9.42E-04	3.81E-06	1.72E-03	0.002663	9.62E-04	3.75E-06	1.91E-03	2.88E-03	9.14E-04	4.77E-06	3.67E-03	4.59E-03
2011	495161.06, 3859451.99	0.06114	0.05226	0.06381	9.38E-04	3.80E-06	1.71E-03	0.002653	9.59E-04	3.74E-06	1.90E-03	2.87E-03	9.11E-04	4.75E-06	3.66E-03	4.57E-03
2012	495211.06, 3859451.99	0.061	0.05221	0.06368	9.36E-04	3.80E-06	1.71E-03	0.002648	9.56E-04	3.74E-06	1.90E-03	2.86E-03	9.09E-04	4.75E-06	3.65E-03	4.56E-03
2013	495261.06, 3859451.99	0.06083	0.05212	0.0635	9.33E-04	3.79E-06	1.70E-03	0.00264	9.54E-04	3.73E-06	1.89E-03	2.85E-03	9.06E-04	4.74E-06	3.64E-03	4.55E-03
2014	495311.06, 3859451.99	0.06042	0.05183	0.06308	9.27E-04	3.77E-06	1.69E-03	0.002623	9.47E-04	3.71E-06	1.88E-03	2.83E-03	9.00E-04	4.71E-06	3.61E-03	4.52E-03
2015	495361.06, 3859451.99	0.06011	0.05162	0.06276	9.22E-04	3.76E-06	1.68E-03	0.002609	9.42E-04	3.70E-06	1.87E-03	2.82E-03	8.95E-04	4.70E-06	3.60E-03	4.50E-03
2016	495411.06, 3859451.99	0.05968	0.0513	0.06231	9.16E-04	3.73E-06	1.67E-03	0.002591	9.36E-04	3.68E-06	1.86E-03	2.80E-03	8.89E-04	4.67E-06	3.57E-03	4.46E-03
2017	495461.06, 3859451.99	0.05935	0.05106	0.06197	9.11E-04	3.72E-06	1.66E-03	0.002577	9.31E-04	3.66E-06	1.85E-03	2.78E-03	8.84E-04	4.64E-06	3.55E-03	4.44E-03
2018	495511.06, 3859451.99	0.05851	0.0504	0.0611	8.98E-04	3.67E-06	1.64E-03	0.00254	9.17E-04	3.61E-06	1.82E-03	2.74E-03	8.72E-04	4.58E-06	3.50E-03	4.38E-03
2019	495561.06, 3859451.99	0.05801	0.05	0.06057	8.90E-04	3.64E-06	1.62E-03	0.002518	9.10E-04	3.58E-06	1.81E-03	2.72E-03	8.64E-04	4.55E-06	3.47E-03	4.34E-03
2020	495611.06, 3859451.99	0.05752	0.04963	0.06005	8.83E-04	3.61E-06	1.61E-03	0.002497	9.02E-04	3.56E-06	1.79E-03	2.70E-03	8.57E-04	4.51E-06	3.44E-03	4.30E-03
2021	495661.06, 3859451.99	0.05707	0.04929	0.05958	8.76E-04	3.59E-06	1.60E-03	0.002477	8.95E-04	3.53E-06	1.78E-03	2.68E-03	8.50E-04	4.48E-06	3.41E-03	4.27E-03
2022	494311.06, 3859501.99	0.07278	0.05982	0.07542	1.12E-03	4.35E-06	2.02E-03	0.003144	1.14E-03	4.29E-06	2.25E-03	3.40E-03	1.08E-03	5.44E-06	4.32E-03	5.41E-03
2023	494361.06, 3859501.99	0.07189	0.05924	0.07457	1.10E-03	4.31E-06	2.00E-03	0.003107	1.13E-03	4.24E-06	2.22E-03	3.36E-03	1.07E-03	5.39E-06	4.27E-03	5.35E-03
2024	494411.06, 3859501.99	0.0703	0.05814	0.07305	1.08E-03	4.23E-06	1.96E-03	0.003042	1.10E-03	4.17E-06	2.18E-03	3.29E-03	1.05E-03	5.29E-06	4.18E-03	5.24E-03
2025	494461.06, 3859501.99	0.07029	0.05822	0.07302	1.08E-03	4.24E-06	1.96E-03	0.003041	1.10E-03	4.17E-06	2.18E-03	3.28E-03	1.05E-03	5.30E-06	4.18E-03	5.24E-03
2026	494511.06, 3859501.99	0.06943	0.05766	0.07218	1.07E-03	4.20E-06	1.94E-03	0.003006	1.09E-03	4.13E-06	2.15E-03	3.25E-03	1.03E-03	5.24E-06	4.13E-03	5.17E-03
2027	494561.06, 3859501.99	0.0687	0.05719	0.07146	1.05E-03	4.16E-06	1.92E-03	0.002975	1.08E-03	4.10E-06	2.13E-03	3.21E-03	1.02E-03	5.20E-06	4.09E-03	5.12E-03
2028	494611.06, 3859501.99	0.06875	0.05731	0.07148	1.05E-03	4.17E-06	1.92E-03	0.002976	1.08E-03	4.11E-06	2.13E-03	3.21E-03	1.02E-03	5.21E-06	4.09E-03	5.12E-03
2029	494661.06, 3859501.99	0.06778	0.05666	0.07053	1.04E-03	4.12E-06	1.89E-03	0.002936	1.06E-03	4.06E-06	2.10E-03	3.17E-03	1.01E-03	5.15E-06	4.04E-03	5.06E-03
2030	494711.06, 3859501.99	0.06661	0.05584	0.06936	1.02E-03	4.06E-06	1.86E-03	0.002886	1.04E-03	4.00E-06	2.07E-03	3.12E-03	9.92E-04	5.08E-06	3.97E-03	4.97E-03
2031	494761.06, 3859501.99	0.0664	0.05577	0.06915	1.02E-03	4.06E-06	1.85E-03	0.002878	1.04E-03	4.00E-06	2.06E-03	3.11E-03	9.89E-04	5.07E-06	3.96E-03	4.96E-03
2032	494811.06, 3859501.99	0.06488	0.05464	0.06762	9.96E-04	3.98E-06	1.81E-03	0.002813	1.02E-03	3.92E-06	2.02E-03	3.04E-03	9.67E-04	4.97E-06	3.87E-03	4.85E-03
2033	494861.06, 3859501.99	0.06428	0.05425	0.06701	9.86E-04	3.95E-06	1.80E-03	0.002788	1.01E-03	3.89E-06	2.00E-03	3.01E-03	9.58E-04	4.93E-06	3.84E-03	4.80E-03
2034	494911.06, 3859501.99	0.06392	0.05404	0.06665	9.81E-04	3.93E-06	1.79E-03	0.002772	1.00E-03	3.87E-06	1.99E-03	2.99E-03	9.52E-04	4.92E-06	3.82E-03	4.78E-03
2035	494961.06, 3859501.99	0.06315	0.05349	0.06586	9.69E-04	3.89E-06	1.77E-03	0.002739	9.90E-04	3.83E-06	1.96E-03	2.96E-03	9.41E-04	4.87E-06	3.77E-03	4.72E-03
2036	495011.06, 3859501.99	0.06282	0.0533	0.06551	9.64E-04	3.88E-06	1.76E-03	0.002725	9.85E-04	3.82E-06	1.95E-03	2.94E-03	9.36E-04	4.85E-06	3.75E-03	4.69E-03
2037	495061.06, 3859501.99	0.06251	0.05311	0.06519	9.59E-04	3.87E-06	1.75E-03	0.002712	9.80E-04	3.81E-06	1.94E-03	2.93E-03	9.31E-04	4.83E-06	3.73E-03	4.67E-03
2038	495111.06, 3859501.99	0.06177	0.05257	0.06443	9.48E-04	3.83E-06	1.73E-03	0.00268	9.68E-04	3.77E-06	1.92E-03	2.89E-03	9.20E-04	4.78E-06	3.69E-03	4.62E-03
2039	495161.06, 3859501.99	0.06149	0.05241	0.06415	9.44E-04	3.82E-06	1.72E-03	0.002668	9.64E-04	3.76E-06	1.91E-03	2.88E-03	9.16E-04	4.77E-06	3.67E-03	4.60E-03
2040	495211.06, 3859501.99	0.06138	0.05238	0.06404	9.42E-04	3.81E-06	1.72E-03	0.002663	9.62E-04	3.75E-06	1.91E-03	2.88E-03	9.14E-04	4.76E-06	3.67E-03	4.59E-03
2041	495261.06, 3859501.99	0.06108	0.0522	0.06373	9.37E-04	3.80E-06	1.71E-03	0.00265	9.58E-04	3.74E-06	1.90E-03	2.86E-03	9.10E-04	4.75E-06	3.65E-03	4.57E-03
2042	495311.06, 3859501.99	0.06087	0.05208	0.06351	9.34E-04	3.79E-06	1.70E-03	0.002641	9.54E-04	3.73E-06	1.89E-03	2.85E-03	9.07E-04	4.74E-06	3.64E-03	4.55E-03
2043	495361.06, 3859501.99	0.0605	0.05183	0.06314	9.28E-04	3.77E-06	1.69E-03	0.002626	9.49E-04	3.71E-06	1.88E-03	2.84E-03	9.01E-04	4.71E-06	3.62E-03	4.52E-03
2044	495411.06, 3859501.99	0.06017	0.0516	0.06279	9.23E-04	3.76E-06	1.68E-03	0.002611	9.43E-04	3.70E-06	1.87E-03	2.82E-03	8.96E-04	4.69E-06	3.60E-03	4.50E-03
2045	495461.06, 3859501.99	0.05973	0.05129	0.06235	9.17E-04	3.73E-06	1.67E-03	0.002593	9.37E-04	3.68E-06	1.86E-03	2.80E-03	8.90E-04	4.67E-06	3.57E-03	4.47E-03
2046	495511.06, 3859501.99	0.05871	0.05051	0.06133	9.01E-04	3.68E-06	1.64E-03	0.002549	9.21E-04	3.62E-06	1.83E-03	2.75E-03	8.75E-04	4.59E-06	3.51E-03	4.39E-03
2047	495561.06, 3859501.99	0.05855	0.05039	0.06113	8.98E-04	3.67E-06	1.64E-03	0.002542	9.18E-04	3.61E-06	1.82E-03	2.75E-03	8.72E-04	4.58E-06	3.50E-03	4.38E-03
2048	495611.06, 3859501.99	0.05802	0.04999	0.06058	8.90E-04	3.64E-06	1.62E-03	0.002519	9.10E-04	3.58E-06	1.81E-03	2.72E-03	8.64E-04	4.55E-06	3.47E-03	4.34E-03

2049	495661.06, 3859501.99	0.05743	0.04953	0.05997	8.81E-04	3.61E-06	1.61E-03	0.002493	9.00E-04	3.55E-06	1.79E-03	2.69E-03	8.56E-04	4.51E-06	3.44E-03	4.30E-03
2050	494311.06, 3859551.99	0.07221	0.0592	0.07467	1.11E-03	4.31E-06	2.00E-03	0.003115	1.13E-03	4.24E-06	2.23E-03	3.36E-03	1.08E-03	5.38E-06	4.28E-03	5.36E-03
2051	494361.06, 3859551.99	0.07118	0.05855	0.07377	1.09E-03	4.26E-06	1.98E-03	0.003075	1.12E-03	4.20E-06	2.20E-03	3.32E-03	1.06E-03	5.33E-06	4.23E-03	5.29E-03
2052	494411.06, 3859551.99	0.06966	0.05747	0.07232	1.07E-03	4.18E-06	1.94E-03	0.003013	1.09E-03	4.12E-06	2.16E-03	3.25E-03	1.04E-03	5.23E-06	4.14E-03	5.19E-03
2053	494461.06, 3859551.99	0.06986	0.05766	0.07244	1.07E-03	4.20E-06	1.94E-03	0.003019	1.10E-03	4.13E-06	2.16E-03	3.26E-03	1.04E-03	5.24E-06	4.15E-03	5.20E-03
2054	494511.06, 3859551.99	0.06907	0.05714	0.07168	1.06E-03	4.16E-06	1.92E-03	0.002987	1.08E-03	4.09E-06	2.14E-03	3.23E-03	1.03E-03	5.20E-06	4.11E-03	5.14E-03
2055	494561.06, 3859551.99	0.06848	0.05676	0.0711	1.05E-03	4.13E-06	1.91E-03	0.002962	1.07E-03	4.07E-06	2.12E-03	3.20E-03	1.02E-03	5.16E-06	4.07E-03	5.10E-03
2056	494611.06, 3859551.99	0.06815	0.05659	0.07077	1.05E-03	4.12E-06	1.90E-03	0.002948	1.07E-03	4.05E-06	2.11E-03	3.18E-03	1.02E-03	5.15E-06	4.05E-03	5.07E-03
2057	494661.06, 3859551.99	0.06764	0.05629	0.07027	1.04E-03	4.10E-06	1.88E-03	0.002927	1.06E-03	4.03E-06	2.10E-03	3.16E-03	1.01E-03	5.12E-06	4.03E-03	5.04E-03
2058	494711.06, 3859551.99	0.06596	0.05508	0.06862	1.01E-03	4.01E-06	1.84E-03	0.002857	1.03E-03	3.95E-06	2.05E-03	3.09E-03	9.83E-04	5.01E-06	3.93E-03	4.92E-03
2059	494761.06, 3859551.99	0.06629	0.05542	0.06893	1.02E-03	4.03E-06	1.85E-03	0.00287	1.04E-03	3.97E-06	2.06E-03	3.10E-03	9.88E-04	5.04E-06	3.95E-03	4.94E-03
2060	494811.06, 3859551.99	0.06507	0.05455	0.06773	9.99E-04	3.97E-06	1.82E-03	0.002819	1.02E-03	3.91E-06	2.02E-03	3.04E-03	9.69E-04	4.96E-06	3.88E-03	4.85E-03
2061	494861.06, 3859551.99	0.06453	0.05421	0.06719	9.90E-04	3.95E-06	1.80E-03	0.002796	1.01E-03	3.88E-06	2.00E-03	3.02E-03	9.61E-04	4.93E-06	3.85E-03	4.82E-03
2062	494911.06, 3859551.99	0.06386	0.05377	0.06651	9.80E-04	3.91E-06	1.78E-03	0.002768	1.00E-03	3.85E-06	1.98E-03	2.99E-03	9.51E-04	4.89E-06	3.81E-03	4.77E-03
2063	494961.06, 3859551.99	0.06355	0.05359	0.06619	9.75E-04	3.90E-06	1.78E-03	0.002754	9.96E-04	3.84E-06	1.97E-03	2.97E-03	9.47E-04	4.87E-06	3.79E-03	4.74E-03
2064	495011.06, 3859551.99	0.06332	0.05349	0.06595	9.72E-04	3.89E-06	1.77E-03	0.002744	9.93E-04	3.83E-06	1.97E-03	2.96E-03	9.43E-04	4.87E-06	3.78E-03	4.73E-03
2065	495061.06, 3859551.99	0.06283	0.05317	0.06546	9.64E-04	3.87E-06	1.76E-03	0.002724	9.85E-04	3.81E-06	1.95E-03	2.94E-03	9.36E-04	4.84E-06	3.75E-03	4.69E-03
2066	495111.06, 3859551.99	0.06219	0.05272	0.06481	9.54E-04	3.84E-06	1.74E-03	0.002696	9.75E-04	3.78E-06	1.93E-03	2.91E-03	9.26E-04	4.80E-06	3.71E-03	4.64E-03
2067	495161.06, 3859551.99	0.06197	0.05262	0.06459	9.51E-04	3.83E-06	1.73E-03	0.002687	9.72E-04	3.77E-06	1.93E-03	2.90E-03	9.23E-04	4.79E-06	3.70E-03	4.63E-03
2068	495211.06, 3859551.99	0.06186	0.0526	0.06448	9.49E-04	3.83E-06	1.73E-03	0.002682	9.70E-04	3.77E-06	1.92E-03	2.90E-03	9.22E-04	4.78E-06	3.69E-03	4.62E-03
2069	495261.06, 3859551.99	0.06136	0.05226	0.06396	9.42E-04	3.80E-06	1.72E-03	0.002661	9.62E-04	3.74E-06	1.91E-03	2.87E-03	9.14E-04	4.75E-06	3.66E-03	4.58E-03
2070	495311.06, 3859551.99	0.06097	0.052	0.06357	9.36E-04	3.79E-06	1.70E-03	0.002644	9.56E-04	3.73E-06	1.90E-03	2.86E-03	9.08E-04	4.73E-06	3.64E-03	4.55E-03
2071	495361.06, 3859551.99	0.06068	0.05182	0.06327	9.31E-04	3.77E-06	1.70E-03	0.002632	9.51E-04	3.71E-06	1.89E-03	2.84E-03	9.04E-04	4.71E-06	3.62E-03	4.53E-03
2072	495411.06, 3859551.99	0.06047	0.0517	0.06306	9.28E-04	3.76E-06	1.69E-03	0.002623	9.48E-04	3.70E-06	1.88E-03	2.83E-03	9.01E-04	4.70E-06	3.61E-03	4.52E-03
2073	495461.06, 3859551.99	0.0598	0.05121	0.06238	9.18E-04	3.73E-06	1.67E-03	0.002594	9.38E-04	3.67E-06	1.86E-03	2.80E-03	8.91E-04	4.66E-06	3.57E-03	4.47E-03
2074	495511.06, 3859551.99	0.0591	0.05068	0.06166	9.07E-04	3.69E-06	1.65E-03	0.002564	9.27E-04	3.63E-06	1.84E-03	2.77E-03	8.80E-04	4.61E-06	3.53E-03	4.42E-03
2075	495561.06, 3859551.99	0.05871	0.0504	0.06125	9.01E-04	3.67E-06	1.64E-03	0.002547	9.21E-04	3.61E-06	1.83E-03	2.75E-03	8.75E-04	4.58E-06	3.51E-03	4.39E-03
2076	495611.06, 3859551.99	0.05829	0.0501	0.06082	8.94E-04	3.65E-06	1.63E-03	0.002529	9.14E-04	3.59E-06	1.81E-03	2.73E-03	8.68E-04	4.56E-06	3.48E-03	4.36E-03
2077	495661.06, 3859551.99	0.05774	0.04969	0.06026	8.86E-04	3.62E-06	1.62E-03	0.002506	9.05E-04	3.56E-06	1.80E-03	2.71E-03	8.60E-04	4.52E-06	3.45E-03	4.32E-03
2078	494311.06, 3859601.99	0.07172	0.05872	0.07399	1.10E-03	4.27E-06	1.98E-03	0.003089	1.12E-03	4.21E-06	2.21E-03	3.34E-03	1.07E-03	5.34E-06	4.24E-03	5.31E-03
2079	494361.06, 3859601.99	0.0702	0.05767	0.07263	1.08E-03	4.20E-06	1.95E-03	0.003029	1.10E-03	4.13E-06	2.17E-03	3.27E-03	1.05E-03	5.25E-06	4.16E-03	5.21E-03
2080	494411.06, 3859601.99	0.0693	0.05702	0.07176	1.06E-03	4.15E-06	1.92E-03	0.002992	1.09E-03	4.09E-06	2.14E-03	3.23E-03	1.03E-03	5.19E-06	4.11E-03	5.15E-03
2081	494461.06, 3859601.99	0.06941	0.05715	0.07184	1.07E-03	4.16E-06	1.93E-03	0.002996	1.09E-03	4.09E-06	2.14E-03	3.24E-03	1.03E-03	5.20E-06	4.12E-03	5.15E-03
2082	494511.06, 3859601.99	0.06837	0.05642	0.07085	1.05E-03	4.11E-06	1.90E-03	0.002953	1.07E-03	4.04E-06	2.11E-03	3.19E-03	1.02E-03	5.13E-06	4.06E-03	5.08E-03
2083	494561.06, 3859601.99	0.06833	0.05645	0.07079	1.05E-03	4.11E-06	1.90E-03	0.002951	1.07E-03	4.04E-06	2.11E-03	3.19E-03	1.02E-03	5.13E-06	4.06E-03	5.08E-03
2084	494611.06, 3859601.99	0.06806	0.05631	0.07052	1.04E-03	4.10E-06	1.89E-03	0.00294	1.07E-03	4.03E-06	2.10E-03	3.17E-03	1.01E-03	5.12E-06	4.04E-03	5.06E-03
2085	494661.06, 3859601.99	0.06689	0.05553	0.06944	1.03E-03	4.04E-06	1.86E-03	0.002893	1.05E-03	3.98E-06	2.07E-03	3.12E-03	9.96E-04	5.05E-06	3.98E-03	4.98E-03
2086	494711.06, 3859601.99	0.06581	0.05475	0.06836	1.01E-03	3.99E-06	1.83E-03	0.002847	1.03E-03	3.92E-06	2.04E-03	3.08E-03	9.80E-04	4.98E-06	3.92E-03	4.90E-03
2087	494761.06, 3859601.99	0.0664	0.05527	0.0689	1.02E-03	4.02E-06	1.85E-03	0.002871	1.04E-03	3.96E-06	2.06E-03	3.10E-03	9.89E-04	5.03E-06	3.95E-03	4.94E-03
2088	494811.06, 3859601.99	0.06521	0.05444	0.06776	1.00E-03	3.96E-06	1.82E-03	0.002822	1.02E-03	3.90E-06	2.02E-03	3.05E-03	9.71E-04	4.95E-06	3.88E-03	4.86E-03
2089	494861.06, 3859601.99	0.06477	0.05417	0.06732	9.94E-04	3.94E-06	1.81E-03	0.002803	1.02E-03	3.88E-06	2.01E-03	3.03E-03	9.65E-04	4.93E-06	3.86E-03	4.83E-03
2090	494911.06, 3859601.99	0.06388	0.05356	0.06644	9.80E-04	3.90E-06	1.78E-03	0.002766	1.00E-03	3.84E-06	1.98E-03	2.99E-03	9.52E-04	4.87E-06	3.81E-03	4.76E-03
2091	494961.06, 3859601.99	0.06404	0.05376	0.06658	9.83E-04	3.91E-06	1.79E-03	0.002772	1.00E-03	3.85E-06	1.99E-03	2.99E-03	9.54E-04	4.89E-06	3.81E-03	4.77E-03
2092	495011.06, 3859601.99	0.06309	0.05309	0.06564	9.68E-04	3.86E-06	1.76E-03	0.002732	9.89E-04	3.80E-06	1.96E-03	2.95E-03	9.40E-04	4.83E-06	3.76E-03	4.70E-03
2093	495061.06, 3859601.99	0.06302	0.0531	0.06556	9.67E-04	3.87E-06	1.76E-03	0.002729	9.88E-04	3.80E-06	1.96E-03	2.95E-03	9.39E-04	4.83E-06	3.76E-03	4.70E-03
2094	495111.06, 3859601.99	0.06235	0.05265	0.0649	9.57E-04	3.83E-06	1.74E-03	0.002701	9.78E-04	3.77E-06	1.94E-03	2.92E-03	9.29E-04	4.79E-06	3.72E-03	4.65E-03
2095	495161.06, 3859601.99	0.06217	0.05258	0.06471	9.54E-04	3.83E-06	1.74E-03	0.002693	9.75E-04	3.77E-06	1.93E-03	2.91E-03	9.26E-04	4.78E-06	3.71E-03	4.64E-03
2096	495211.06, 3859601.99	0.06182	0.05237	0.06436	9.49E-04	3.81E-06	1.73E-03	0.002679	9.69E-04	3.75E-06	1.92E-03	2.89E-03	9.21E-04	4.76E-06	3.69E-03	4.61E-03
2097	495261.06, 3859601.99	0.06156	0.05223	0.0641	9.45E-04	3.80E-06	1.72E-03	0.002668	9.65E-04	3.74E-06	1.91E-03	2.88E-03	9.17E-04	4.75E-06	3.67E-03	4.59E-03
2098	495311.06, 3859601.99	0.06134	0.05211	0.06387	9.41E-04	3.79E-06	1.71E-03	0.002658	9.62E-04	3.73E-06	1.91E-03	2.87E-03	9.14E-04	4.74E-06	3.66E-03	4.58E-03
2099	495361.06, 3859601.99	0.06094	0.05185	0.06346	9.35E-04	3.77E-06	1.70E-03	0.002641	9.55E-04	3.72E-06	1.89E-03	2.85E-03	9.08E-04	4.72E-06	3.64E-03	4.55E-03
2100	495411.06, 3859601.99	0.06069	0.05171	0.06321	9.31E-04	3.76E-06	1.70E-03	0.00263	9.52E-04	3.71E-06	1.89E-03	2.84E-03	9.04E-04	4.70E-06	3.62E-03	4.53E-03
2101	495461.06, 3859601.99	0.05989	0.05112	0.06241	9.19E-04	3.72E-06	1.67E-03	0.002597	9.39E-04	3.66E-06	1.86E-03	2.80E-03	8.92E-04	4.65E-06	3.58E-03	4.47E-03
2102	495511.06, 3859601.99	0.05918	0.05059	0.06169	9.08E-04	3.68E-06	1.65E-03	0.002566	9.28E-04	3.62E-06	1.84E-03	2.77E-03	8.82E-04	4.60E-06	3.53E-03	4.42E-03
2103	495561.06, 3859601.99	0.05907	0.05055	0.06157	9.06E-04	3.68E-06	1.65E-03	0.002561	9.26E-04	3.62E-06	1.84E-03	2.77E-03	8.80E-04	4.60E-06	3.53E-03	4.41E-03
2104	495611.06, 3859601.99	0.05824	0.04992	0.06073	8.94E-04	3.63E-06	1.63E-03	0.002526	9.13E-04	3.58E-06	1.81E-03	2.73E-03	8.68E-04	4.54E-06	3.48E-03	4.35E-03
2105	495661.06, 3859601.99	0.05799	0.04976	0.06047	8.90E-04	3.62E-06	1.62E-03	0.002515	9.09E-04	3.57E-06	1.80E-03	2.72E-03	8.64E-04	4.53E-06	3.46E-03	4.33E-03

2106	494311.06, 3859651.99	0.07075	0.05797	0.07289	1.09E-03	4.22E-06	1.95E-03	0.003045	1.11E-03	4.15E-06	2.17E-03	3.29E-03	1.05E-03	5.27E-06	4.18E-03	5.23E-03
2107	494361.06, 3859651.99	0.06942	0.05702	0.07169	1.07E-03	4.15E-06	1.92E-03	0.002992	1.09E-03	4.09E-06	2.14E-03	3.23E-03	1.03E-03	5.19E-06	4.11E-03	5.15E-03
2108	494411.06, 3859651.99	0.06891	0.05666	0.07121	1.06E-03	4.12E-06	1.91E-03	0.002971	1.08E-03	4.06E-06	2.12E-03	3.21E-03	1.03E-03	5.15E-06	4.08E-03	5.11E-03
2109	494461.06, 3859651.99	0.06897	0.05671	0.07122	1.06E-03	4.13E-06	1.91E-03	0.002973	1.08E-03	4.06E-06	2.12E-03	3.21E-03	1.03E-03	5.16E-06	4.08E-03	5.11E-03
2110	494511.06, 3859651.99	0.0684	0.05632	0.07069	1.05E-03	4.10E-06	1.90E-03	0.00295	1.07E-03	4.04E-06	2.11E-03	3.19E-03	1.02E-03	5.12E-06	4.05E-03	5.07E-03
2111	494561.06, 3859651.99	0.06805	0.0561	0.07035	1.04E-03	4.08E-06	1.89E-03	0.002935	1.07E-03	4.02E-06	2.10E-03	3.17E-03	1.01E-03	5.10E-06	4.03E-03	5.05E-03
2112	494611.06, 3859651.99	0.06767	0.05586	0.06997	1.04E-03	4.07E-06	1.88E-03	0.002919	1.06E-03	4.00E-06	2.09E-03	3.15E-03	1.01E-03	5.08E-06	4.01E-03	5.02E-03
2113	494661.06, 3859651.99	0.0664	0.055	0.06883	1.02E-03	4.00E-06	1.85E-03	0.002869	1.04E-03	3.94E-06	2.05E-03	3.10E-03	9.89E-04	5.00E-06	3.94E-03	4.94E-03
2114	494711.06, 3859651.99	0.06607	0.0548	0.0685	1.01E-03	3.99E-06	1.84E-03	0.002855	1.04E-03	3.93E-06	2.04E-03	3.08E-03	9.84E-04	4.98E-06	3.92E-03	4.91E-03
2115	494761.06, 3859651.99	0.06587	0.05467	0.06825	1.01E-03	3.98E-06	1.83E-03	0.002845	1.03E-03	3.92E-06	2.04E-03	3.07E-03	9.81E-04	4.97E-06	3.91E-03	4.90E-03
2116	494811.06, 3859651.99	0.06514	0.05419	0.06755	1.00E-03	3.94E-06	1.81E-03	0.002815	1.02E-03	3.88E-06	2.02E-03	3.04E-03	9.70E-04	4.93E-06	3.87E-03	4.84E-03
2117	494861.06, 3859651.99	0.06482	0.054	0.06722	9.95E-04	3.93E-06	1.80E-03	0.002801	1.02E-03	3.87E-06	2.01E-03	3.03E-03	9.66E-04	4.91E-06	3.85E-03	4.82E-03
2118	494911.06, 3859651.99	0.06429	0.05367	0.06671	9.87E-04	3.91E-06	1.79E-03	0.00278	1.01E-03	3.85E-06	1.99E-03	3.00E-03	9.58E-04	4.88E-06	3.82E-03	4.78E-03
2119	494961.06, 3859651.99	0.06392	0.05345	0.06634	9.81E-04	3.89E-06	1.78E-03	0.002764	1.00E-03	3.83E-06	1.98E-03	2.99E-03	9.52E-04	4.86E-06	3.80E-03	4.76E-03
2120	495011.06, 3859651.99	0.06346	0.05316	0.06588	9.74E-04	3.87E-06	1.77E-03	0.002745	9.95E-04	3.81E-06	1.97E-03	2.96E-03	9.45E-04	4.84E-06	3.77E-03	4.72E-03
2121	495061.06, 3859651.99	0.06319	0.05302	0.06561	9.70E-04	3.86E-06	1.76E-03	0.002733	9.91E-04	3.80E-06	1.96E-03	2.95E-03	9.41E-04	4.82E-06	3.76E-03	4.70E-03
2122	495111.06, 3859651.99	0.06266	0.05268	0.06509	9.62E-04	3.83E-06	1.75E-03	0.002711	9.82E-04	3.77E-06	1.94E-03	2.93E-03	9.33E-04	4.79E-06	3.73E-03	4.67E-03
2123	495161.06, 3859651.99	0.0623	0.05247	0.06473	9.56E-04	3.82E-06	1.74E-03	0.002696	9.77E-04	3.76E-06	1.93E-03	2.91E-03	9.28E-04	4.77E-06	3.71E-03	4.64E-03
2124	495211.06, 3859651.99	0.06204	0.05233	0.06447	9.52E-04	3.81E-06	1.73E-03	0.002685	9.73E-04	3.75E-06	1.92E-03	2.90E-03	9.24E-04	4.76E-06	3.69E-03	4.62E-03
2125	495261.06, 3859651.99	0.06166	0.05209	0.06409	9.46E-04	3.79E-06	1.72E-03	0.002669	9.67E-04	3.73E-06	1.91E-03	2.88E-03	9.19E-04	4.74E-06	3.67E-03	4.59E-03
2126	495311.06, 3859651.99	0.06135	0.05191	0.06377	9.41E-04	3.78E-06	1.71E-03	0.002656	9.62E-04	3.72E-06	1.90E-03	2.87E-03	9.14E-04	4.72E-06	3.65E-03	4.57E-03
2127	495361.06, 3859651.99	0.06107	0.05176	0.0635	9.37E-04	3.77E-06	1.70E-03	0.002644	9.58E-04	3.71E-06	1.89E-03	2.86E-03	9.10E-04	4.71E-06	3.64E-03	4.55E-03
2128	495411.06, 3859651.99	0.06069	0.05151	0.06312	9.31E-04	3.75E-06	1.69E-03	0.002628	9.52E-04	3.69E-06	1.88E-03	2.84E-03	9.04E-04	4.69E-06	3.62E-03	4.52E-03
2129	495461.06, 3859651.99	0.05996	0.05099	0.0624	9.20E-04	3.71E-06	1.67E-03	0.002597	9.40E-04	3.65E-06	1.86E-03	2.81E-03	8.93E-04	4.64E-06	3.57E-03	4.47E-03
2130	495511.06, 3859651.99	0.05933	0.05054	0.06177	9.10E-04	3.68E-06	1.66E-03	0.002571	9.30E-04	3.62E-06	1.84E-03	2.78E-03	8.84E-04	4.60E-06	3.54E-03	4.43E-03
2131	495561.06, 3859651.99	0.05905	0.05037	0.06149	9.06E-04	3.67E-06	1.65E-03	0.002559	9.26E-04	3.61E-06	1.83E-03	2.76E-03	8.80E-04	4.58E-06	3.52E-03	4.41E-03
2132	495611.06, 3859651.99	0.05861	0.05006	0.06104	8.99E-04	3.64E-06	1.64E-03	0.00254	9.19E-04	3.59E-06	1.82E-03	2.74E-03	8.73E-04	4.55E-06	3.50E-03	4.37E-03
2133	495661.06, 3859651.99	0.0581	0.0497	0.06053	8.92E-04	3.62E-06	1.62E-03	0.002519	9.11E-04	3.56E-06	1.81E-03	2.72E-03	8.66E-04	4.52E-06	3.47E-03	4.34E-03
2134	494311.06, 3859701.99	0.06902	0.05678	0.07117	1.06E-03	4.13E-06	1.91E-03	0.002972	1.08E-03	4.07E-06	2.12E-03	3.21E-03	1.03E-03	5.16E-06	4.08E-03	5.11E-03
2135	494361.06, 3859701.99	0.06843	0.05632	0.0706	1.05E-03	4.10E-06	1.89E-03	0.002948	1.07E-03	4.04E-06	2.11E-03	3.18E-03	1.02E-03	5.12E-06	4.04E-03	5.07E-03
2136	494411.06, 3859701.99	0.06819	0.05612	0.07035	1.05E-03	4.09E-06	1.89E-03	0.002937	1.07E-03	4.02E-06	2.10E-03	3.17E-03	1.02E-03	5.10E-06	4.03E-03	5.05E-03
2137	494461.06, 3859701.99	0.06842	0.05627	0.07051	1.05E-03	4.10E-06	1.89E-03	0.002945	1.07E-03	4.03E-06	2.10E-03	3.18E-03	1.02E-03	5.12E-06	4.04E-03	5.06E-03
2138	494511.06, 3859701.99	0.06796	0.05594	0.07008	1.04E-03	4.07E-06	1.88E-03	0.002927	1.07E-03	4.01E-06	2.09E-03	3.16E-03	1.01E-03	5.09E-06	4.01E-03	5.03E-03
2139	494561.06, 3859701.99	0.06767	0.05573	0.06978	1.04E-03	4.06E-06	1.87E-03	0.002914	1.06E-03	3.99E-06	2.08E-03	3.15E-03	1.01E-03	5.07E-06	4.00E-03	5.01E-03
2140	494611.06, 3859701.99	0.06733	0.0555	0.06945	1.03E-03	4.04E-06	1.86E-03	0.0029	1.06E-03	3.98E-06	2.07E-03	3.13E-03	1.00E-03	5.05E-06	3.98E-03	4.99E-03
2141	494661.06, 3859701.99	0.06604	0.05459	0.06827	1.01E-03	3.97E-06	1.83E-03	0.002848	1.04E-03	3.91E-06	2.04E-03	3.08E-03	9.84E-04	4.97E-06	3.91E-03	4.90E-03
2142	494711.06, 3859701.99	0.06595	0.05455	0.06817	1.01E-03	3.97E-06	1.83E-03	0.002844	1.03E-03	3.91E-06	2.03E-03	3.07E-03	9.82E-04	4.96E-06	3.91E-03	4.89E-03
2143	494761.06, 3859701.99	0.06536	0.05416	0.06761	1.00E-03	3.94E-06	1.81E-03	0.00282	1.02E-03	3.88E-06	2.02E-03	3.05E-03	9.74E-04	4.93E-06	3.87E-03	4.85E-03
2144	494811.06, 3859701.99	0.06475	0.05374	0.06702	9.94E-04	3.91E-06	1.80E-03	0.002795	1.02E-03	3.85E-06	2.00E-03	3.02E-03	9.65E-04	4.89E-06	3.84E-03	4.81E-03
2145	494861.06, 3859701.99	0.06472	0.05376	0.06698	9.93E-04	3.91E-06	1.80E-03	0.002793	1.01E-03	3.85E-06	2.00E-03	3.02E-03	9.64E-04	4.89E-06	3.84E-03	4.81E-03
2146	494911.06, 3859701.99	0.06423	0.05345	0.0665	9.86E-04	3.89E-06	1.78E-03	0.002773	1.01E-03	3.83E-06	1.98E-03	2.99E-03	9.57E-04	4.86E-06	3.81E-03	4.77E-03
2147	494961.06, 3859701.99	0.06375	0.05314	0.06604	9.78E-04	3.87E-06	1.77E-03	0.002753	1.00E-03	3.81E-06	1.97E-03	2.97E-03	9.50E-04	4.83E-06	3.78E-03	4.74E-03
2148	495011.06, 3859701.99	0.0635	0.05301	0.06579	9.74E-04	3.86E-06	1.76E-03	0.002743	9.96E-04	3.80E-06	1.96E-03	2.96E-03	9.46E-04	4.82E-06	3.77E-03	4.72E-03
2149	495061.06, 3859701.99	0.06312	0.05277	0.0654	9.69E-04	3.84E-06	1.75E-03	0.002726	9.90E-04	3.78E-06	1.95E-03	2.94E-03	9.40E-04	4.80E-06	3.75E-03	4.69E-03
2150	495111.06, 3859701.99	0.06272	0.05253	0.06502	9.62E-04	3.82E-06	1.74E-03	0.00271	9.83E-04	3.76E-06	1.94E-03	2.93E-03	9.34E-04	4.78E-06	3.72E-03	4.66E-03
2151	495161.06, 3859701.99	0.06227	0.05224	0.06457	9.56E-04	3.80E-06	1.73E-03	0.002691	9.76E-04	3.74E-06	1.93E-03	2.91E-03	9.28E-04	4.75E-06	3.70E-03	4.63E-03
2152	495211.06, 3859701.99	0.06179	0.05193	0.0641	9.48E-04	3.78E-06	1.72E-03	0.002671	9.69E-04	3.72E-06	1.91E-03	2.88E-03	9.20E-04	4.72E-06	3.67E-03	4.60E-03
2153	495261.06, 3859701.99	0.0617	0.05193	0.06401	9.47E-04	3.78E-06	1.72E-03	0.002667	9.67E-04	3.72E-06	1.91E-03	2.88E-03	9.19E-04	4.72E-06	3.67E-03	4.59E-03
2154	495311.06, 3859701.99	0.06127	0.05165	0.06358	9.40E-04	3.76E-06	1.71E-03	0.002649	9.61E-04	3.70E-06	1.90E-03	2.86E-03	9.13E-04	4.70E-06	3.64E-03	4.56E-03
2155	495361.06, 3859701.99	0.06086	0.0514	0.06319	9.34E-04	3.74E-06	1.69E-03	0.002632	9.54E-04	3.68E-06	1.89E-03	2.84E-03	9.07E-04	4.68E-06	3.62E-03	4.53E-03
2156	495411.06, 3859701.99	0.0603	0.05101	0.06263	9.25E-04	3.71E-06	1.68E-03	0.002609	9.45E-04	3.65E-06	1.87E-03	2.82E-03	8.98E-04	4.64E-06	3.59E-03	4.49E-03
2157	495461.06, 3859701.99	0.05986	0.05073	0.0622	9.19E-04	3.69E-06	1.67E-03	0.00259	9.39E-04	3.63E-06	1.86E-03	2.80E-03	8.92E-04	4.61E-06	3.56E-03	4.46E-03
2158	495511.06, 3859701.99	0.05901	0.05011	0.06136	9.06E-04	3.65E-06	1.65E-03	0.002555	9.25E-04	3.59E-06	1.83E-03	2.76E-03	8.79E-04	4.56E-06	3.51E-03	4.40E-03
2159	495561.06, 3859701.99	0.05904	0.05019	0.06139	9.06E-04	3.65E-06	1.65E-03	0.002556	9.26E-04	3.60E-06	1.83E-03	2.76E-03	8.80E-04	4.57E-06	3.52E-03	4.40E-03
2160	495611.06, 3859701.99	0.05865	0.04992	0.06099	9.00E-04	3.63E-06	1.64E-03	0.002539	9.20E-04	3.58E-06	1.82E-03	2.74E-03	8.74E-04	4.54E-06	3.49E-03	4.37E-03
2161	495661.06, 3859701.99	0.0582	0.04962	0.06055	8.93E-04	3.61E-06	1.62E-03	0.002521	9.13E-04	3.56E-06	1.81E-03	2.72E-03	8.67E-04	4.51E-06	3.47E-03	4.34E-03
2162	494311.06, 3859751.99	0.06858	0.05649	0.07051	1.05E-03	4.11E-06	1.89E-03	0.002948	1.08E-03	4.05E-06	2.10E-03	3.18E-03	1.02E-03	5.14E-06	4.04E-03	5.07E-03

2163	494361.06, 3859751.99	0.06815	0.05615	0.0701	1.05E-03	4.09E-06	1.88E-03	0.00293	1.07E-03	4.02E-06	2.09E-03	3.16E-03	1.02E-03	5.11E-06	4.02E-03	5.04E-03
2164	494411.06, 3859751.99	0.0676	0.05573	0.0696	1.04E-03	4.06E-06	1.87E-03	0.002908	1.06E-03	3.99E-06	2.08E-03	3.14E-03	1.01E-03	5.07E-06	3.99E-03	5.00E-03
2165	494461.06, 3859751.99	0.06767	0.05574	0.06962	1.04E-03	4.06E-06	1.87E-03	0.00291	1.06E-03	3.99E-06	2.08E-03	3.14E-03	1.01E-03	5.07E-06	3.99E-03	5.00E-03
2166	494511.06, 3859751.99	0.06755	0.05563	0.06948	1.04E-03	4.05E-06	1.86E-03	0.002904	1.06E-03	3.99E-06	2.07E-03	3.14E-03	1.01E-03	5.06E-06	3.98E-03	4.99E-03
2167	494561.06, 3859751.99	0.06714	0.05533	0.06909	1.03E-03	4.03E-06	1.85E-03	0.002887	1.05E-03	3.96E-06	2.06E-03	3.12E-03	1.00E-03	5.03E-06	3.96E-03	4.96E-03
2168	494611.06, 3859751.99	0.0666	0.05493	0.06859	1.02E-03	4.00E-06	1.84E-03	0.002866	1.04E-03	3.94E-06	2.05E-03	3.09E-03	9.92E-04	5.00E-06	3.93E-03	4.93E-03
2169	494661.06, 3859751.99	0.06569	0.05431	0.0678	1.01E-03	3.95E-06	1.82E-03	0.00283	1.03E-03	3.89E-06	2.02E-03	3.06E-03	9.79E-04	4.94E-06	3.88E-03	4.87E-03
2170	494711.06, 3859751.99	0.06561	0.05423	0.06766	1.01E-03	3.95E-06	1.81E-03	0.002825	1.03E-03	3.89E-06	2.02E-03	3.05E-03	9.77E-04	4.93E-06	3.88E-03	4.86E-03
2171	494761.06, 3859751.99	0.06533	0.05403	0.06738	1.00E-03	3.93E-06	1.81E-03	0.002814	1.02E-03	3.87E-06	2.01E-03	3.04E-03	9.73E-04	4.91E-06	3.86E-03	4.84E-03
2172	494811.06, 3859751.99	0.06483	0.05369	0.06691	9.95E-04	3.91E-06	1.79E-03	0.002793	1.02E-03	3.85E-06	2.00E-03	3.02E-03	9.66E-04	4.88E-06	3.83E-03	4.80E-03
2173	494861.06, 3859751.99	0.06448	0.05347	0.06657	9.89E-04	3.89E-06	1.79E-03	0.002779	1.01E-03	3.83E-06	1.99E-03	3.00E-03	9.61E-04	4.86E-06	3.81E-03	4.78E-03
2174	494911.06, 3859751.99	0.06413	0.05324	0.06623	9.84E-04	3.88E-06	1.78E-03	0.002764	1.01E-03	3.81E-06	1.98E-03	2.99E-03	9.55E-04	4.84E-06	3.79E-03	4.75E-03
2175	494961.06, 3859751.99	0.06377	0.05301	0.06588	9.79E-04	3.86E-06	1.77E-03	0.002749	1.00E-03	3.80E-06	1.97E-03	2.97E-03	9.50E-04	4.82E-06	3.77E-03	4.73E-03
2176	495011.06, 3859751.99	0.06337	0.05276	0.0655	9.72E-04	3.84E-06	1.76E-03	0.002733	9.94E-04	3.78E-06	1.95E-03	2.95E-03	9.44E-04	4.80E-06	3.75E-03	4.70E-03
2177	495061.06, 3859751.99	0.06312	0.05261	0.06525	9.69E-04	3.83E-06	1.75E-03	0.002722	9.90E-04	3.77E-06	1.95E-03	2.94E-03	9.40E-04	4.79E-06	3.74E-03	4.68E-03
2178	495111.06, 3859751.99	0.06273	0.05236	0.06487	9.63E-04	3.81E-06	1.74E-03	0.002706	9.84E-04	3.75E-06	1.94E-03	2.92E-03	9.34E-04	4.76E-06	3.72E-03	4.66E-03
2179	495161.06, 3859751.99	0.06229	0.05208	0.06444	9.56E-04	3.79E-06	1.73E-03	0.002688	9.77E-04	3.73E-06	1.92E-03	2.90E-03	9.28E-04	4.74E-06	3.69E-03	4.62E-03
2180	495211.06, 3859751.99	0.06182	0.05178	0.064	9.49E-04	3.77E-06	1.72E-03	0.002669	9.69E-04	3.71E-06	1.91E-03	2.88E-03	9.21E-04	4.71E-06	3.67E-03	4.59E-03
2181	495261.06, 3859751.99	0.06154	0.05162	0.06372	9.44E-04	3.76E-06	1.71E-03	0.002657	9.65E-04	3.70E-06	1.90E-03	2.87E-03	9.17E-04	4.70E-06	3.65E-03	4.57E-03
2182	495311.06, 3859751.99	0.06113	0.05136	0.06332	9.38E-04	3.74E-06	1.70E-03	0.00264	9.58E-04	3.68E-06	1.89E-03	2.85E-03	9.11E-04	4.67E-06	3.63E-03	4.54E-03
2183	495361.06, 3859751.99	0.06076	0.05113	0.06296	9.32E-04	3.72E-06	1.69E-03	0.002625	9.53E-04	3.66E-06	1.88E-03	2.83E-03	9.05E-04	4.65E-06	3.61E-03	4.52E-03
2184	495411.06, 3859751.99	0.0604	0.05091	0.0626	9.27E-04	3.71E-06	1.68E-03	0.00261	9.47E-04	3.65E-06	1.87E-03	2.82E-03	9.00E-04	4.63E-06	3.59E-03	4.49E-03
2185	495461.06, 3859751.99	0.05984	0.05053	0.06206	9.18E-04	3.68E-06	1.66E-03	0.002586	9.38E-04	3.62E-06	1.85E-03	2.79E-03	8.91E-04	4.60E-06	3.56E-03	4.45E-03
2186	495511.06, 3859751.99	0.05927	0.05014	0.06151	9.10E-04	3.65E-06	1.65E-03	0.002563	9.29E-04	3.59E-06	1.83E-03	2.77E-03	8.83E-04	4.56E-06	3.52E-03	4.41E-03
2187	495561.06, 3859751.99	0.05889	0.0499	0.06113	9.04E-04	3.63E-06	1.64E-03	0.002547	9.23E-04	3.58E-06	1.82E-03	2.75E-03	8.77E-04	4.54E-06	3.50E-03	4.38E-03
2188	495611.06, 3859751.99	0.05852	0.04966	0.06077	8.98E-04	3.61E-06	1.63E-03	0.002531	9.18E-04	3.56E-06	1.81E-03	2.73E-03	8.72E-04	4.52E-06	3.48E-03	4.36E-03
2189	495661.06, 3859751.99	0.05826	0.0495	0.06051	8.94E-04	3.60E-06	1.62E-03	0.002521	9.13E-04	3.55E-06	1.81E-03	2.72E-03	8.68E-04	4.50E-06	3.47E-03	4.34E-03
2190	494311.06, 3859801.99	0.06807	0.0562	0.06983	1.04E-03	4.09E-06	1.87E-03	0.002922	1.07E-03	4.03E-06	2.08E-03	3.15E-03	1.01E-03	5.11E-06	4.00E-03	5.02E-03
2191	494361.06, 3859801.99	0.06749	0.05575	0.06929	1.04E-03	4.06E-06	1.86E-03	0.002898	1.06E-03	3.99E-06	2.07E-03	3.13E-03	1.01E-03	5.07E-06	3.97E-03	4.98E-03
2192	494411.06, 3859801.99	0.06686	0.05526	0.06872	1.03E-03	4.02E-06	1.84E-03	0.002873	1.05E-03	3.96E-06	2.05E-03	3.10E-03	9.96E-04	5.03E-06	3.94E-03	4.94E-03
2193	494461.06, 3859801.99	0.06687	0.05522	0.06869	1.03E-03	4.02E-06	1.84E-03	0.002872	1.05E-03	3.96E-06	2.05E-03	3.10E-03	9.96E-04	5.02E-06	3.93E-03	4.94E-03
2194	494511.06, 3859801.99	0.06691	0.05521	0.06869	1.03E-03	4.02E-06	1.84E-03	0.002873	1.05E-03	3.96E-06	2.05E-03	3.10E-03	9.97E-04	5.02E-06	3.93E-03	4.94E-03
2195	494561.06, 3859801.99	0.06655	0.05492	0.06834	1.02E-03	4.00E-06	1.83E-03	0.002858	1.04E-03	3.94E-06	2.04E-03	3.09E-03	9.91E-04	5.00E-06	3.91E-03	4.91E-03
2196	494611.06, 3859801.99	0.0658	0.05436	0.06767	1.01E-03	3.96E-06	1.81E-03	0.002829	1.03E-03	3.90E-06	2.02E-03	3.05E-03	9.80E-04	4.94E-06	3.88E-03	4.86E-03
2197	494661.06, 3859801.99	0.06537	0.05404	0.06726	1.00E-03	3.93E-06	1.80E-03	0.002811	1.02E-03	3.87E-06	2.01E-03	3.04E-03	9.74E-04	4.92E-06	3.85E-03	4.83E-03
2198	494711.06, 3859801.99	0.06483	0.05364	0.06676	9.95E-04	3.90E-06	1.79E-03	0.002789	1.02E-03	3.84E-06	1.99E-03	3.01E-03	9.66E-04	4.88E-06	3.82E-03	4.79E-03
2199	494761.06, 3859801.99	0.06488	0.05367	0.06677	9.96E-04	3.91E-06	1.79E-03	0.00279	1.02E-03	3.85E-06	1.99E-03	3.01E-03	9.67E-04	4.88E-06	3.82E-03	4.80E-03
2200	494811.06, 3859801.99	0.06446	0.05337	0.06637	9.89E-04	3.88E-06	1.78E-03	0.002773	1.01E-03	3.82E-06	1.98E-03	2.99E-03	9.60E-04	4.85E-06	3.80E-03	4.77E-03
2201	494861.06, 3859801.99	0.06418	0.05317	0.0661	9.85E-04	3.87E-06	1.77E-03	0.002762	1.01E-03	3.81E-06	1.97E-03	2.98E-03	9.56E-04	4.84E-06	3.79E-03	4.75E-03
2202	494911.06, 3859801.99	0.0637	0.05284	0.06565	9.77E-04	3.85E-06	1.76E-03	0.002742	9.99E-04	3.79E-06	1.96E-03	2.96E-03	9.49E-04	4.81E-06	3.76E-03	4.71E-03
2203	494961.06, 3859801.99	0.06337	0.05261	0.06533	9.72E-04	3.83E-06	1.75E-03	0.002728	9.94E-04	3.77E-06	1.95E-03	2.95E-03	9.44E-04	4.79E-06	3.74E-03	4.69E-03
2204	495011.06, 3859801.99	0.063	0.05237	0.06498	9.67E-04	3.81E-06	1.74E-03	0.002713	9.88E-04	3.75E-06	1.94E-03	2.93E-03	9.39E-04	4.76E-06	3.72E-03	4.67E-03
2205	495061.06, 3859801.99	0.06272	0.05219	0.06471	9.62E-04	3.80E-06	1.74E-03	0.002702	9.83E-04	3.74E-06	1.93E-03	2.92E-03	9.34E-04	4.75E-06	3.71E-03	4.65E-03
2206	495111.06, 3859801.99	0.06228	0.0519	0.06429	9.56E-04	3.78E-06	1.72E-03	0.002684	9.76E-04	3.72E-06	1.92E-03	2.90E-03	9.28E-04	4.72E-06	3.68E-03	4.62E-03
2207	495161.06, 3859801.99	0.06187	0.05163	0.0639	9.49E-04	3.76E-06	1.71E-03	0.002667	9.70E-04	3.70E-06	1.91E-03	2.88E-03	9.22E-04	4.70E-06	3.66E-03	4.59E-03
2208	495211.06, 3859801.99	0.06158	0.05146	0.06362	9.45E-04	3.75E-06	1.71E-03	0.002655	9.66E-04	3.69E-06	1.90E-03	2.87E-03	9.17E-04	4.68E-06	3.64E-03	4.57E-03
2209	495261.06, 3859801.99	0.06115	0.05118	0.06321	9.38E-04	3.73E-06	1.70E-03	0.002637	9.59E-04	3.67E-06	1.89E-03	2.85E-03	9.11E-04	4.66E-06	3.62E-03	4.54E-03
2210	495311.06, 3859801.99	0.06089	0.05103	0.06295	9.34E-04	3.71E-06	1.69E-03	0.002626	9.55E-04	3.66E-06	1.88E-03	2.84E-03	9.07E-04	4.64E-06	3.61E-03	4.52E-03
2211	495361.06, 3859801.99	0.0605	0.05078	0.06258	9.28E-04	3.70E-06	1.68E-03	0.002611	9.49E-04	3.64E-06	1.87E-03	2.82E-03	9.01E-04	4.62E-06	3.58E-03	4.49E-03
2212	495411.06, 3859801.99	0.06004	0.05047	0.06213	9.21E-04	3.67E-06	1.67E-03	0.002591	9.41E-04	3.62E-06	1.85E-03	2.80E-03	8.94E-04	4.59E-06	3.56E-03	4.46E-03
2213	495461.06, 3859801.99	0.05967	0.05024	0.06177	9.16E-04	3.66E-06	1.66E-03	0.002576	9.36E-04	3.60E-06	1.84E-03	2.78E-03	8.89E-04	4.57E-06	3.54E-03	4.43E-03
2214	495511.06, 3859801.99	0.05911	0.04986	0.06123	9.07E-04	3.63E-06	1.64E-03	0.002553	9.27E-04	3.57E-06	1.83E-03	2.76E-03	8.81E-04	4.54E-06	3.51E-03	4.39E-03
2215	495561.06, 3859801.99	0.0588	0.04967	0.06093	9.02E-04	3.62E-06	1.63E-03	0.00254	9.22E-04	3.56E-06	1.82E-03	2.74E-03	8.76E-04	4.52E-06	3.49E-03	4.37E-03
2216	495611.06, 3859801.99	0.05867	0.04961	0.06079	9.00E-04	3.61E-06	1.63E-03	0.002534	9.20E-04	3.55E-06	1.81E-03	2.74E-03	8.74E-04	4.51E-06	3.48E-03	4.36E-03
2217	495661.06, 3859801.99	0.05816	0.04926	0.0603	8.92E-04	3.59E-06	1.62E-03	0.002513	9.12E-04	3.53E-06	1.80E-03	2.71E-03	8.66E-04	4.48E-06	3.45E-03	4.33E-03
2218	494311.06, 3859851.99	0.06726	0.05572	0.0689	1.03E-03	4.06E-06	1.85E-03	0.002884	1.05E-03	3.99E-06	2.06E-03	3.11E-03	1.00E-03	5.07E-06	3.95E-03	4.95E-03
2219	494361.06, 3859851.99	0.06683	0.05536	0.06849	1.03E-03	4.03E-06	1.84E-03	0.002866	1.05E-03	3.97E-06	2.04E-03	3.10E-03	9.96E-04	5.04E-06	3.92E-03	4.92E-03

2220	494411.06, 3859851.99	0.06633	0.05495	0.06803	1.02E-03	4.00E-06	1.82E-03	0.002846	1.04E-03	3.94E-06	2.03E-03	3.07E-03	9.88E-04	5.00E-06	3.90E-03	4.89E-03
2221	494461.06, 3859851.99	0.06595	0.05464	0.06767	1.01E-03	3.98E-06	1.81E-03	0.002831	1.03E-03	3.92E-06	2.02E-03	3.06E-03	9.82E-04	4.97E-06	3.88E-03	4.86E-03
2222	494511.06, 3859851.99	0.06584	0.05451	0.06754	1.01E-03	3.97E-06	1.81E-03	0.002826	1.03E-03	3.91E-06	2.01E-03	3.05E-03	9.81E-04	4.96E-06	3.87E-03	4.85E-03
2223	494561.06, 3859851.99	0.06579	0.05443	0.06746	1.01E-03	3.96E-06	1.81E-03	0.002823	1.03E-03	3.90E-06	2.01E-03	3.05E-03	9.80E-04	4.95E-06	3.86E-03	4.85E-03
2224	494611.06, 3859851.99	0.06505	0.05387	0.0668	9.98E-04	3.92E-06	1.79E-03	0.002794	1.02E-03	3.86E-06	1.99E-03	3.02E-03	9.69E-04	4.90E-06	3.83E-03	4.80E-03
2225	494661.06, 3859851.99	0.06489	0.05372	0.06662	9.96E-04	3.91E-06	1.79E-03	0.002786	1.02E-03	3.85E-06	1.99E-03	3.01E-03	9.67E-04	4.89E-06	3.82E-03	4.79E-03
2226	494711.06, 3859851.99	0.06432	0.05329	0.0661	9.87E-04	3.88E-06	1.77E-03	0.002764	1.01E-03	3.82E-06	1.97E-03	2.98E-03	9.58E-04	4.85E-06	3.79E-03	4.75E-03
2227	494761.06, 3859851.99	0.06429	0.05325	0.06604	9.87E-04	3.88E-06	1.77E-03	0.002762	1.01E-03	3.82E-06	1.97E-03	2.98E-03	9.58E-04	4.84E-06	3.78E-03	4.75E-03
2228	494811.06, 3859851.99	0.06393	0.05297	0.0657	9.81E-04	3.86E-06	1.76E-03	0.002747	1.00E-03	3.80E-06	1.96E-03	2.97E-03	9.52E-04	4.82E-06	3.76E-03	4.72E-03
2229	494861.06, 3859851.99	0.0637	0.0528	0.06547	9.77E-04	3.84E-06	1.76E-03	0.002737	9.99E-04	3.78E-06	1.95E-03	2.96E-03	9.49E-04	4.80E-06	3.75E-03	4.70E-03
2230	494911.06, 3859851.99	0.06328	0.05249	0.06508	9.71E-04	3.82E-06	1.75E-03	0.00272	9.92E-04	3.76E-06	1.94E-03	2.94E-03	9.43E-04	4.77E-06	3.73E-03	4.68E-03
2231	494961.06, 3859851.99	0.06295	0.05226	0.06477	9.66E-04	3.80E-06	1.74E-03	0.002707	9.87E-04	3.74E-06	1.93E-03	2.92E-03	9.38E-04	4.75E-06	3.71E-03	4.65E-03
2232	495011.06, 3859851.99	0.06262	0.05203	0.06445	9.61E-04	3.79E-06	1.73E-03	0.002693	9.82E-04	3.73E-06	1.92E-03	2.91E-03	9.33E-04	4.73E-06	3.69E-03	4.63E-03
2233	495061.06, 3859851.99	0.06235	0.05184	0.06419	9.57E-04	3.77E-06	1.72E-03	0.002682	9.78E-04	3.71E-06	1.91E-03	2.90E-03	9.29E-04	4.72E-06	3.68E-03	4.61E-03
2234	495111.06, 3859851.99	0.06191	0.05154	0.06377	9.50E-04	3.75E-06	1.71E-03	0.002664	9.71E-04	3.69E-06	1.90E-03	2.88E-03	9.22E-04	4.69E-06	3.65E-03	4.58E-03
2235	495161.06, 3859851.99	0.06155	0.0513	0.06343	9.44E-04	3.73E-06	1.70E-03	0.002649	9.65E-04	3.68E-06	1.89E-03	2.86E-03	9.17E-04	4.67E-06	3.63E-03	4.56E-03
2236	495211.06, 3859851.99	0.06121	0.05108	0.06311	9.39E-04	3.72E-06	1.69E-03	0.002636	9.60E-04	3.66E-06	1.88E-03	2.85E-03	9.12E-04	4.65E-06	3.62E-03	4.53E-03
2237	495261.06, 3859851.99	0.06085	0.05084	0.06276	9.34E-04	3.70E-06	1.68E-03	0.002621	9.54E-04	3.64E-06	1.87E-03	2.83E-03	9.06E-04	4.62E-06	3.60E-03	4.51E-03
2238	495311.06, 3859851.99	0.06057	0.05066	0.06249	9.29E-04	3.69E-06	1.68E-03	0.002609	9.50E-04	3.63E-06	1.86E-03	2.82E-03	9.02E-04	4.61E-06	3.58E-03	4.49E-03
2239	495361.06, 3859851.99	0.06024	0.05045	0.06218	9.24E-04	3.67E-06	1.67E-03	0.002596	9.45E-04	3.61E-06	1.85E-03	2.80E-03	8.97E-04	4.59E-06	3.56E-03	4.46E-03
2240	495411.06, 3859851.99	0.05982	0.05018	0.06178	9.18E-04	3.65E-06	1.66E-03	0.002579	9.38E-04	3.60E-06	1.84E-03	2.78E-03	8.91E-04	4.56E-06	3.54E-03	4.43E-03
2241	495461.06, 3859851.99	0.05941	0.04991	0.06138	9.12E-04	3.63E-06	1.65E-03	0.002562	9.31E-04	3.58E-06	1.83E-03	2.77E-03	8.85E-04	4.54E-06	3.52E-03	4.41E-03
2242	495511.06, 3859851.99	0.05894	0.04959	0.06094	9.04E-04	3.61E-06	1.63E-03	0.002542	9.24E-04	3.55E-06	1.82E-03	2.75E-03	8.78E-04	4.51E-06	3.49E-03	4.37E-03
2243	495561.06, 3859851.99	0.0587	0.04945	0.0607	9.01E-04	3.60E-06	1.63E-03	0.002532	9.20E-04	3.54E-06	1.81E-03	2.73E-03	8.74E-04	4.50E-06	3.48E-03	4.36E-03
2244	495611.06, 3859851.99	0.05844	0.04929	0.06044	8.97E-04	3.59E-06	1.62E-03	0.002521	9.16E-04	3.53E-06	1.80E-03	2.72E-03	8.71E-04	4.48E-06	3.46E-03	4.34E-03
2245	495661.06, 3859851.99	0.05798	0.04898	0.06	8.90E-04	3.57E-06	1.61E-03	0.002503	9.09E-04	3.51E-06	1.79E-03	2.70E-03	8.64E-04	4.46E-06	3.44E-03	4.31E-03
2246	494311.06, 3859901.99	0.06638	0.05518	0.06793	1.02E-03	4.02E-06	1.82E-03	0.002845	1.04E-03	3.95E-06	2.03E-03	3.07E-03	9.89E-04	5.02E-06	3.89E-03	4.89E-03
2247	494361.06, 3859901.99	0.06579	0.05472	0.06738	1.01E-03	3.98E-06	1.81E-03	0.002821	1.03E-03	3.92E-06	2.01E-03	3.05E-03	9.80E-04	4.98E-06	3.86E-03	4.84E-03
2248	494411.06, 3859901.99	0.06559	0.05452	0.06718	1.01E-03	3.97E-06	1.80E-03	0.002812	1.03E-03	3.91E-06	2.00E-03	3.04E-03	9.77E-04	4.96E-06	3.85E-03	4.83E-03
2249	494461.06, 3859901.99	0.06525	0.05422	0.06685	1.00E-03	3.95E-06	1.79E-03	0.002798	1.02E-03	3.88E-06	1.99E-03	3.02E-03	9.72E-04	4.93E-06	3.83E-03	4.81E-03
2250	494511.06, 3859901.99	0.06503	0.05401	0.06663	9.98E-04	3.93E-06	1.79E-03	0.002789	1.02E-03	3.87E-06	1.99E-03	3.01E-03	9.69E-04	4.91E-06	3.82E-03	4.79E-03
2251	494561.06, 3859901.99	0.06504	0.05397	0.06661	9.98E-04	3.93E-06	1.79E-03	0.002788	1.02E-03	3.87E-06	1.99E-03	3.01E-03	9.69E-04	4.91E-06	3.82E-03	4.79E-03
2252	494611.06, 3859901.99	0.06435	0.05343	0.06597	9.87E-04	3.89E-06	1.77E-03	0.002761	1.01E-03	3.83E-06	1.97E-03	2.98E-03	9.59E-04	4.86E-06	3.78E-03	4.74E-03
2253	494661.06, 3859901.99	0.06431	0.05337	0.06591	9.87E-04	3.88E-06	1.77E-03	0.002758	1.01E-03	3.82E-06	1.97E-03	2.98E-03	9.58E-04	4.85E-06	3.78E-03	4.74E-03
2254	494711.06, 3859901.99	0.06362	0.05283	0.06528	9.76E-04	3.85E-06	1.75E-03	0.002731	9.98E-04	3.79E-06	1.95E-03	2.95E-03	9.48E-04	4.81E-06	3.74E-03	4.69E-03
2255	494761.06, 3859901.99	0.06349	0.05271	0.06514	9.74E-04	3.84E-06	1.75E-03	0.002725	9.95E-04	3.78E-06	1.94E-03	2.94E-03	9.46E-04	4.79E-06	3.73E-03	4.68E-03
2256	494811.06, 3859901.99	0.06337	0.0526	0.06501	9.72E-04	3.83E-06	1.74E-03	0.00272	9.94E-04	3.77E-06	1.94E-03	2.94E-03	9.44E-04	4.78E-06	3.72E-03	4.67E-03
2257	494861.06, 3859901.99	0.06313	0.05241	0.06478	9.69E-04	3.82E-06	1.74E-03	0.00271	9.90E-04	3.76E-06	1.93E-03	2.93E-03	9.40E-04	4.77E-06	3.71E-03	4.66E-03
2258	494911.06, 3859901.99	0.06273	0.0521	0.0644	9.63E-04	3.79E-06	1.73E-03	0.002694	9.84E-04	3.73E-06	1.92E-03	2.91E-03	9.34E-04	4.74E-06	3.69E-03	4.63E-03
2259	494961.06, 3859901.99	0.06247	0.0519	0.06415	9.59E-04	3.78E-06	1.72E-03	0.002683	9.79E-04	3.72E-06	1.91E-03	2.90E-03	9.31E-04	4.72E-06	3.67E-03	4.61E-03
2260	495011.06, 3859901.99	0.0621	0.05163	0.0638	9.53E-04	3.76E-06	1.71E-03	0.002668	9.74E-04	3.70E-06	1.90E-03	2.88E-03	9.25E-04	4.70E-06	3.65E-03	4.58E-03
2261	495061.06, 3859901.99	0.06178	0.0514	0.06349	9.48E-04	3.74E-06	1.70E-03	0.002655	9.69E-04	3.68E-06	1.89E-03	2.87E-03	9.20E-04	4.68E-06	3.64E-03	4.56E-03
2262	495111.06, 3859901.99	0.06136	0.05109	0.0631	9.42E-04	3.72E-06	1.69E-03	0.002638	9.62E-04	3.66E-06	1.88E-03	2.85E-03	9.14E-04	4.65E-06	3.61E-03	4.53E-03
2263	495161.06, 3859901.99	0.06097	0.05082	0.06274	9.36E-04	3.70E-06	1.68E-03	0.002622	9.56E-04	3.64E-06	1.87E-03	2.83E-03	9.08E-04	4.62E-06	3.59E-03	4.51E-03
2264	495211.06, 3859901.99	0.06075	0.05067	0.06251	9.32E-04	3.69E-06	1.68E-03	0.002612	9.53E-04	3.63E-06	1.86E-03	2.82E-03	9.05E-04	4.61E-06	3.58E-03	4.49E-03
2265	495261.06, 3859901.99	0.06029	0.05034	0.06208	9.25E-04	3.66E-06	1.67E-03	0.002594	9.45E-04	3.61E-06	1.85E-03	2.80E-03	8.98E-04	4.58E-06	3.56E-03	4.46E-03
2266	495311.06, 3859901.99	0.06007	0.0502	0.06187	9.22E-04	3.65E-06	1.66E-03	0.002585	9.42E-04	3.60E-06	1.85E-03	2.79E-03	8.95E-04	4.57E-06	3.54E-03	4.44E-03
2267	495361.06, 3859901.99	0.05972	0.04997	0.06154	9.16E-04	3.64E-06	1.65E-03	0.002571	9.36E-04	3.58E-06	1.84E-03	2.78E-03	8.90E-04	4.55E-06	3.53E-03	4.42E-03
2268	495411.06, 3859901.99	0.05931	0.04969	0.06115	9.10E-04	3.62E-06	1.64E-03	0.002554	9.30E-04	3.56E-06	1.82E-03	2.76E-03	8.84E-04	4.52E-06	3.50E-03	4.39E-03
2269	495461.06, 3859901.99	0.05895	0.04945	0.06081	9.05E-04	3.60E-06	1.63E-03	0.002539	9.24E-04	3.54E-06	1.81E-03	2.74E-03	8.78E-04	4.50E-06	3.48E-03	4.37E-03
2270	495511.06, 3859901.99	0.0587	0.0493	0.06057	9.01E-04	3.59E-06	1.62E-03	0.002529	9.20E-04	3.53E-06	1.81E-03	2.73E-03	8.74E-04	4.48E-06	3.47E-03	4.35E-03
2271	495561.06, 3859901.99	0.05845	0.04914	0.06032	8.97E-04	3.58E-06	1.62E-03	0.002518	9.16E-04	3.52E-06	1.80E-03	2.72E-03	8.71E-04	4.47E-06	3.46E-03	4.33E-03
2272	495611.06, 3859901.99	0.05805	0.04888	0.05995	8.91E-04	3.56E-06	1.61E-03	0.002502	9.10E-04	3.50E-06	1.79E-03	2.70E-03	8.65E-04	4.45E-06	3.43E-03	4.30E-03
2273	495661.06, 3859901.99	0.05763	0.04859	0.05954	8.84E-04	3.54E-06	1.60E-03	0.002485	9.04E-04	3.48E-06	1.78E-03	2.68E-03	8.59E-04	4.42E-06	3.41E-03	4.27E-03
2274	494311.06, 3859951.99	0.06555	0.05466	0.06702	1.01E-03	3.98E-06	1.80E-03	0.002807	1.03E-03	3.92E-06	2.00E-03	3.03E-03	9.77E-04	4.97E-06	3.84E-03	4.82E-03
2275	494361.06, 3859951.99	0.06515	0.05433	0.06664	1.00E-03	3.95E-06	1.79E-03	0.002791	1.02E-03	3.89E-06	1.99E-03	3.01E-03	9.71E-04	4.94E-06	3.82E-03	4.79E-03
2276	494411.06, 3859951.99	0.06478	0.05402	0.06628	9.94E-04	3.93E-06	1.78E-03	0.002776	1.02E-03	3.87E-06	1.98E-03	3.00E-03	9.65E-04	4.91E-06	3.80E-03	4.77E-03

2277	494461.06, 3859951.99	0.06447	0.05374	0.06598	9.89E-04	3.91E-06	1.77E-03	0.002763	1.01E-03	3.85E-06	1.97E-03	2.98E-03	9.60E-04	4.89E-06	3.78E-03	4.74E-03
2278	494511.06, 3859951.99	0.06425	0.05354	0.06576	9.86E-04	3.90E-06	1.76E-03	0.002754	1.01E-03	3.84E-06	1.96E-03	2.97E-03	9.57E-04	4.87E-06	3.77E-03	4.73E-03
2279	494561.06, 3859951.99	0.06429	0.05352	0.06577	9.87E-04	3.90E-06	1.76E-03	0.002754	1.01E-03	3.83E-06	1.96E-03	2.97E-03	9.58E-04	4.87E-06	3.77E-03	4.73E-03
2280	494611.06, 3859951.99	0.06373	0.05307	0.06525	9.78E-04	3.86E-06	1.75E-03	0.002732	9.99E-04	3.80E-06	1.95E-03	2.95E-03	9.49E-04	4.83E-06	3.74E-03	4.69E-03
2281	494661.06, 3859951.99	0.06364	0.05296	0.06514	9.77E-04	3.86E-06	1.75E-03	0.002728	9.98E-04	3.79E-06	1.94E-03	2.94E-03	9.48E-04	4.82E-06	3.73E-03	4.68E-03
2282	494711.06, 3859951.99	0.06311	0.05254	0.06465	9.68E-04	3.82E-06	1.73E-03	0.002706	9.90E-04	3.76E-06	1.93E-03	2.92E-03	9.40E-04	4.78E-06	3.70E-03	4.65E-03
2283	494761.06, 3859951.99	0.06289	0.05235	0.06443	9.65E-04	3.81E-06	1.73E-03	0.002697	9.86E-04	3.75E-06	1.92E-03	2.91E-03	9.37E-04	4.76E-06	3.69E-03	4.63E-03
2284	494811.06, 3859951.99	0.06264	0.05213	0.06418	9.61E-04	3.79E-06	1.72E-03	0.002686	9.82E-04	3.74E-06	1.91E-03	2.90E-03	9.33E-04	4.74E-06	3.68E-03	4.61E-03
2285	494861.06, 3859951.99	0.06247	0.05199	0.06402	9.59E-04	3.78E-06	1.72E-03	0.002679	9.79E-04	3.73E-06	1.91E-03	2.89E-03	9.31E-04	4.73E-06	3.67E-03	4.60E-03
2286	494911.06, 3859951.99	0.06209	0.05168	0.06365	9.53E-04	3.76E-06	1.71E-03	0.002664	9.74E-04	3.70E-06	1.90E-03	2.88E-03	9.25E-04	4.70E-06	3.65E-03	4.58E-03
2287	494961.06, 3859951.99	0.06174	0.0514	0.06332	9.47E-04	3.74E-06	1.70E-03	0.002649	9.68E-04	3.68E-06	1.89E-03	2.86E-03	9.20E-04	4.68E-06	3.63E-03	4.55E-03
2288	495011.06, 3859951.99	0.06141	0.05115	0.06301	9.42E-04	3.72E-06	1.69E-03	0.002636	9.63E-04	3.67E-06	1.88E-03	2.85E-03	9.15E-04	4.65E-06	3.61E-03	4.53E-03
2289	495061.06, 3859951.99	0.06114	0.05094	0.06275	9.38E-04	3.71E-06	1.68E-03	0.002625	9.59E-04	3.65E-06	1.87E-03	2.83E-03	9.11E-04	4.63E-06	3.59E-03	4.51E-03
2290	495111.06, 3859951.99	0.06075	0.05064	0.06238	9.32E-04	3.69E-06	1.67E-03	0.002609	9.53E-04	3.63E-06	1.86E-03	2.82E-03	9.05E-04	4.61E-06	3.57E-03	4.48E-03
2291	495161.06, 3859951.99	0.06038	0.05037	0.06203	9.27E-04	3.67E-06	1.66E-03	0.002594	9.47E-04	3.61E-06	1.85E-03	2.80E-03	8.99E-04	4.58E-06	3.55E-03	4.46E-03
2292	495211.06, 3859951.99	0.06001	0.0501	0.06168	9.21E-04	3.65E-06	1.65E-03	0.002579	9.41E-04	3.59E-06	1.84E-03	2.78E-03	8.94E-04	4.56E-06	3.53E-03	4.43E-03
2293	495261.06, 3859951.99	0.0597	0.04988	0.06139	9.16E-04	3.63E-06	1.65E-03	0.002566	9.36E-04	3.57E-06	1.83E-03	2.77E-03	8.89E-04	4.54E-06	3.52E-03	4.41E-03
2294	495311.06, 3859951.99	0.05952	0.04975	0.06121	9.13E-04	3.62E-06	1.64E-03	0.002559	9.33E-04	3.56E-06	1.83E-03	2.76E-03	8.87E-04	4.53E-06	3.51E-03	4.40E-03
2295	495361.06, 3859951.99	0.05924	0.04956	0.06094	9.09E-04	3.61E-06	1.63E-03	0.002547	9.29E-04	3.55E-06	1.82E-03	2.75E-03	8.83E-04	4.51E-06	3.49E-03	4.38E-03
2296	495411.06, 3859951.99	0.05887	0.0493	0.06059	9.03E-04	3.59E-06	1.63E-03	0.002532	9.23E-04	3.53E-06	1.81E-03	2.73E-03	8.77E-04	4.48E-06	3.47E-03	4.35E-03
2297	495461.06, 3859951.99	0.05853	0.04907	0.06027	8.98E-04	3.57E-06	1.62E-03	0.002518	9.18E-04	3.52E-06	1.80E-03	2.72E-03	8.72E-04	4.46E-06	3.45E-03	4.33E-03
2298	495511.06, 3859951.99	0.05819	0.04884	0.05995	8.93E-04	3.56E-06	1.61E-03	0.002504	9.12E-04	3.50E-06	1.79E-03	2.70E-03	8.67E-04	4.44E-06	3.43E-03	4.31E-03
2299	495561.06, 3859951.99	0.05804	0.04875	0.0598	8.91E-04	3.55E-06	1.60E-03	0.002498	9.10E-04	3.49E-06	1.78E-03	2.70E-03	8.65E-04	4.43E-06	3.43E-03	4.29E-03
2300	495611.06, 3859951.99	0.05767	0.0485	0.05945	8.85E-04	3.53E-06	1.59E-03	0.002483	9.04E-04	3.48E-06	1.77E-03	2.68E-03	8.59E-04	4.41E-06	3.41E-03	4.27E-03
2301	495661.06, 3859951.99	0.05724	0.04821	0.05904	8.78E-04	3.51E-06	1.58E-03	0.002465	8.97E-04	3.45E-06	1.76E-03	2.66E-03	8.53E-04	4.39E-06	3.38E-03	4.24E-03
2302	494311.06, 3860001.99	0.06465	0.05409	0.06608	9.92E-04	3.94E-06	1.77E-03	0.002768	1.01E-03	3.88E-06	1.97E-03	2.99E-03	9.63E-04	4.92E-06	3.79E-03	4.75E-03
2303	494361.06, 3860001.99	0.06435	0.05382	0.06577	9.87E-04	3.92E-06	1.76E-03	0.002755	1.01E-03	3.86E-06	1.96E-03	2.97E-03	9.59E-04	4.90E-06	3.77E-03	4.73E-03
2304	494411.06, 3860001.99	0.06391	0.05347	0.06536	9.81E-04	3.89E-06	1.75E-03	0.002738	1.00E-03	3.83E-06	1.95E-03	2.96E-03	9.52E-04	4.86E-06	3.74E-03	4.70E-03
2305	494461.06, 3860001.99	0.06368	0.05326	0.06512	9.77E-04	3.88E-06	1.75E-03	0.002728	9.98E-04	3.82E-06	1.94E-03	2.94E-03	9.49E-04	4.84E-06	3.73E-03	4.68E-03
2306	494511.06, 3860001.99	0.06333	0.05296	0.06478	9.72E-04	3.86E-06	1.74E-03	0.002713	9.93E-04	3.79E-06	1.93E-03	2.93E-03	9.43E-04	4.82E-06	3.71E-03	4.66E-03
2307	494561.06, 3860001.99	0.06344	0.053	0.06488	9.73E-04	3.86E-06	1.74E-03	0.002717	9.95E-04	3.80E-06	1.94E-03	2.93E-03	9.45E-04	4.82E-06	3.72E-03	4.67E-03
2308	494611.06, 3860001.99	0.06308	0.05269	0.06452	9.68E-04	3.84E-06	1.73E-03	0.002702	9.89E-04	3.78E-06	1.92E-03	2.92E-03	9.40E-04	4.79E-06	3.70E-03	4.64E-03
2309	494661.06, 3860001.99	0.06283	0.05247	0.06428	9.64E-04	3.82E-06	1.72E-03	0.002692	9.85E-04	3.76E-06	1.92E-03	2.91E-03	9.36E-04	4.77E-06	3.68E-03	4.62E-03
2310	494711.06, 3860001.99	0.06219	0.05195	0.06367	9.54E-04	3.78E-06	1.71E-03	0.002666	9.75E-04	3.72E-06	1.90E-03	2.88E-03	9.26E-04	4.73E-06	3.65E-03	4.58E-03
2311	494761.06, 3860001.99	0.06215	0.0519	0.06362	9.54E-04	3.78E-06	1.71E-03	0.002664	9.74E-04	3.72E-06	1.90E-03	2.88E-03	9.26E-04	4.72E-06	3.64E-03	4.58E-03
2312	494811.06, 3860001.99	0.06194	0.05171	0.06342	9.50E-04	3.76E-06	1.70E-03	0.002655	9.71E-04	3.71E-06	1.89E-03	2.87E-03	9.23E-04	4.70E-06	3.63E-03	4.56E-03
2313	494861.06, 3860001.99	0.06176	0.05155	0.06324	9.48E-04	3.75E-06	1.70E-03	0.002648	9.68E-04	3.69E-06	1.89E-03	2.86E-03	9.20E-04	4.69E-06	3.62E-03	4.55E-03
2314	494911.06, 3860001.99	0.06116	0.05107	0.06267	9.39E-04	3.72E-06	1.68E-03	0.002623	9.59E-04	3.66E-06	1.87E-03	2.83E-03	9.11E-04	4.65E-06	3.59E-03	4.51E-03
2315	494961.06, 3860001.99	0.06097	0.0509	0.06248	9.36E-04	3.71E-06	1.68E-03	0.002615	9.56E-04	3.65E-06	1.86E-03	2.82E-03	9.08E-04	4.63E-06	3.58E-03	4.49E-03
2316	495011.06, 3860001.99	0.06063	0.05063	0.06216	9.30E-04	3.69E-06	1.67E-03	0.002601	9.51E-04	3.63E-06	1.85E-03	2.81E-03	9.03E-04	4.61E-06	3.56E-03	4.47E-03
2317	495061.06, 3860001.99	0.06046	0.05048	0.06198	9.28E-04	3.67E-06	1.66E-03	0.002594	9.48E-04	3.62E-06	1.85E-03	2.80E-03	9.01E-04	4.59E-06	3.55E-03	4.46E-03
2318	495111.06, 3860001.99	0.06011	0.0502	0.06165	9.22E-04	3.65E-06	1.65E-03	0.00258	9.42E-04	3.60E-06	1.84E-03	2.79E-03	8.95E-04	4.57E-06	3.53E-03	4.43E-03
2319	495161.06, 3860001.99	0.05975	0.04993	0.06131	9.17E-04	3.63E-06	1.64E-03	0.002565	9.37E-04	3.58E-06	1.83E-03	2.77E-03	8.90E-04	4.54E-06	3.51E-03	4.41E-03
2320	495211.06, 3860001.99	0.05957	0.04979	0.06113	9.14E-04	3.62E-06	1.64E-03	0.002557	9.34E-04	3.57E-06	1.82E-03	2.76E-03	8.87E-04	4.53E-06	3.50E-03	4.39E-03
2321	495261.06, 3860001.99	0.05924	0.04954	0.06082	9.09E-04	3.61E-06	1.63E-03	0.002544	9.29E-04	3.55E-06	1.81E-03	2.75E-03	8.83E-04	4.51E-06	3.48E-03	4.37E-03
2322	495311.06, 3860001.99	0.05898	0.04935	0.06057	9.05E-04	3.59E-06	1.62E-03	0.002533	9.25E-04	3.54E-06	1.81E-03	2.74E-03	8.79E-04	4.49E-06	3.47E-03	4.35E-03
2323	495361.06, 3860001.99	0.05851	0.049	0.06013	8.98E-04	3.57E-06	1.61E-03	0.002514	9.17E-04	3.51E-06	1.79E-03	2.71E-03	8.72E-04	4.46E-06	3.44E-03	4.32E-03
2324	495411.06, 3860001.99	0.05838	0.04891	0.05999	8.96E-04	3.56E-06	1.61E-03	0.002508	9.15E-04	3.50E-06	1.79E-03	2.71E-03	8.70E-04	4.45E-06	3.44E-03	4.31E-03
2325	495461.06, 3860001.99	0.05808	0.0487	0.05971	8.91E-04	3.54E-06	1.60E-03	0.002496	9.11E-04	3.49E-06	1.78E-03	2.70E-03	8.65E-04	4.43E-06	3.42E-03	4.29E-03
2326	495511.06, 3860001.99	0.05779	0.0485	0.05943	8.87E-04	3.53E-06	1.59E-03	0.002484	9.06E-04	3.48E-06	1.77E-03	2.68E-03	8.61E-04	4.41E-06	3.40E-03	4.27E-03
2327	495561.06, 3860001.99	0.0576	0.04837	0.05924	8.84E-04	3.52E-06	1.59E-03	0.002476	9.03E-04	3.47E-06	1.77E-03	2.67E-03	8.58E-04	4.40E-06	3.39E-03	4.26E-03
2328	495611.06, 3860001.99	0.05723	0.04811	0.05889	8.78E-04	3.50E-06	1.58E-03	0.002461	8.97E-04	3.45E-06	1.76E-03	2.66E-03	8.53E-04	4.38E-06	3.37E-03	4.23E-03
2329	495661.06, 3860001.99	0.05687	0.04786	0.05856	8.73E-04	3.48E-06	1.57E-03	0.002447	8.92E-04	3.43E-06	1.75E-03	2.64E-03	8.47E-04	4.35E-06	3.35E-03	4.21E-03
2330	494411.06, 3860051.99	0.06311	0.05296	0.06452	9.68E-04	3.86E-06	1.73E-03	0.002703	9.90E-04	3.79E-06	1.92E-03	2.92E-03	9.40E-04	4.82E-06	3.70E-03	4.64E-03
2331	494461.06, 3860051.99	0.06281	0.0527	0.06422	9.64E-04	3.84E-06	1.72E-03	0.00269	9.85E-04	3.78E-06	1.92E-03	2.90E-03	9.36E-04	4.79E-06	3.68E-03	4.62E-03
2332	494511.06, 3860051.99	0.06253	0.05246	0.06394	9.60E-04	3.82E-06	1.71E-03	0.002678	9.80E-04	3.76E-06	1.91E-03	2.89E-03	9.32E-04	4.77E-06	3.66E-03	4.60E-03
2333	494561.06, 3860051.99	0.06244	0.05236	0.06386	9.58E-04	3.81E-06	1.71E-03	0.002675	9.79E-04	3.75E-06	1.91E-03	2.89E-03	9.30E-04	4.76E-06	3.66E-03	4.59E-03

2334	494611.06, 3860051.99	0.06223	0.05217	0.06365	9.55E-04	3.80E-06	1.71E-03	0.002666	9.76E-04	3.74E-06	1.90E-03	2.88E-03	9.27E-04	4.75E-06	3.65E-03	4.58E-03
2335	494661.06, 3860051.99	0.062	0.05196	0.06342	9.51E-04	3.78E-06	1.70E-03	0.002656	9.72E-04	3.72E-06	1.89E-03	2.87E-03	9.24E-04	4.73E-06	3.63E-03	4.56E-03
2336	494711.06, 3860051.99	0.06159	0.05161	0.06301	9.45E-04	3.76E-06	1.69E-03	0.002639	9.66E-04	3.70E-06	1.88E-03	2.85E-03	9.18E-04	4.69E-06	3.61E-03	4.53E-03
2337	494761.06, 3860051.99	0.06137	0.05142	0.0628	9.42E-04	3.74E-06	1.68E-03	0.00263	9.62E-04	3.68E-06	1.87E-03	2.84E-03	9.14E-04	4.68E-06	3.60E-03	4.52E-03
2338	494811.06, 3860051.99	0.06122	0.05129	0.06266	9.39E-04	3.73E-06	1.68E-03	0.002624	9.60E-04	3.68E-06	1.87E-03	2.83E-03	9.12E-04	4.67E-06	3.59E-03	4.51E-03
2339	494861.06, 3860051.99	0.06104	0.05114	0.06249	9.37E-04	3.72E-06	1.68E-03	0.002616	9.57E-04	3.66E-06	1.86E-03	2.82E-03	9.09E-04	4.65E-06	3.58E-03	4.49E-03
2340	494911.06, 3860051.99	0.0607	0.05084	0.06215	9.31E-04	3.70E-06	1.67E-03	0.002602	9.52E-04	3.64E-06	1.85E-03	2.81E-03	9.04E-04	4.62E-06	3.56E-03	4.47E-03
2341	494961.06, 3860051.99	0.06034	0.05053	0.06179	9.26E-04	3.68E-06	1.66E-03	0.002587	9.46E-04	3.62E-06	1.84E-03	2.79E-03	8.99E-04	4.60E-06	3.54E-03	4.44E-03
2342	495011.06, 3860051.99	0.06	0.05025	0.06146	9.21E-04	3.66E-06	1.65E-03	0.002573	9.41E-04	3.60E-06	1.83E-03	2.78E-03	8.94E-04	4.57E-06	3.52E-03	4.42E-03
2343	495061.06, 3860051.99	0.05972	0.05001	0.06119	9.16E-04	3.64E-06	1.64E-03	0.002561	9.36E-04	3.58E-06	1.83E-03	2.77E-03	8.90E-04	4.55E-06	3.51E-03	4.40E-03
2344	495111.06, 3860051.99	0.05936	0.04971	0.06083	9.11E-04	3.62E-06	1.63E-03	0.002546	9.31E-04	3.56E-06	1.81E-03	2.75E-03	8.84E-04	4.52E-06	3.48E-03	4.37E-03
2345	495161.06, 3860051.99	0.05908	0.04949	0.06057	9.07E-04	3.60E-06	1.62E-03	0.002535	9.26E-04	3.55E-06	1.81E-03	2.74E-03	8.80E-04	4.50E-06	3.47E-03	4.35E-03
2346	495211.06, 3860051.99	0.05876	0.04923	0.06026	9.02E-04	3.58E-06	1.62E-03	0.002521	9.21E-04	3.53E-06	1.80E-03	2.72E-03	8.75E-04	4.48E-06	3.45E-03	4.33E-03
2347	495261.06, 3860051.99	0.05853	0.04905	0.06004	8.98E-04	3.57E-06	1.61E-03	0.002512	9.18E-04	3.51E-06	1.79E-03	2.71E-03	8.72E-04	4.46E-06	3.44E-03	4.32E-03
2348	495311.06, 3860051.99	0.05833	0.04889	0.05984	8.95E-04	3.56E-06	1.60E-03	0.002504	9.15E-04	3.50E-06	1.79E-03	2.70E-03	8.69E-04	4.45E-06	3.43E-03	4.30E-03
2349	495361.06, 3860051.99	0.05808	0.04871	0.0596	8.91E-04	3.55E-06	1.60E-03	0.002493	9.11E-04	3.49E-06	1.78E-03	2.69E-03	8.65E-04	4.43E-06	3.41E-03	4.28E-03
2350	495411.06, 3860051.99	0.05782	0.04851	0.05935	8.87E-04	3.53E-06	1.59E-03	0.002483	9.07E-04	3.48E-06	1.77E-03	2.68E-03	8.61E-04	4.41E-06	3.40E-03	4.27E-03
2351	495461.06, 3860051.99	0.05752	0.04828	0.05907	8.83E-04	3.51E-06	1.58E-03	0.00247	9.02E-04	3.46E-06	1.76E-03	2.67E-03	8.57E-04	4.39E-06	3.38E-03	4.25E-03
2352	495511.06, 3860051.99	0.0573	0.04812	0.05885	8.79E-04	3.50E-06	1.58E-03	0.002461	8.98E-04	3.45E-06	1.76E-03	2.66E-03	8.54E-04	4.38E-06	3.37E-03	4.23E-03
2353	495561.06, 3860051.99	0.05703	0.04793	0.0586	8.75E-04	3.49E-06	1.57E-03	0.00245	8.94E-04	3.43E-06	1.75E-03	2.65E-03	8.50E-04	4.36E-06	3.36E-03	4.21E-03
2354	495611.06, 3860051.99	0.05673	0.04771	0.05831	8.71E-04	3.47E-06	1.56E-03	0.002438	8.89E-04	3.42E-06	1.74E-03	2.63E-03	8.45E-04	4.34E-06	3.34E-03	4.19E-03
2355	495661.06, 3860051.99	0.05636	0.04744	0.05795	8.65E-04	3.45E-06	1.55E-03	0.002423	8.84E-04	3.40E-06	1.73E-03	2.62E-03	8.40E-04	4.32E-06	3.32E-03	4.16E-03
2356	494411.06, 3860101.99	0.06208	0.05228	0.06348	9.53E-04	3.81E-06	1.70E-03	0.002659	9.73E-04	3.75E-06	1.89E-03	2.87E-03	9.25E-04	4.76E-06	3.64E-03	4.57E-03
2357	494461.06, 3860101.99	0.06196	0.05215	0.06336	9.51E-04	3.80E-06	1.70E-03	0.002654	9.71E-04	3.74E-06	1.89E-03	2.87E-03	9.23E-04	4.74E-06	3.63E-03	4.56E-03
2358	494511.06, 3860101.99	0.0616	0.05185	0.063	9.45E-04	3.77E-06	1.69E-03	0.002639	9.66E-04	3.72E-06	1.88E-03	2.85E-03	9.18E-04	4.72E-06	3.61E-03	4.53E-03
2359	494561.06, 3860101.99	0.06141	0.05168	0.06282	9.42E-04	3.76E-06	1.68E-03	0.002631	9.63E-04	3.70E-06	1.87E-03	2.84E-03	9.15E-04	4.70E-06	3.60E-03	4.52E-03
2360	494611.06, 3860101.99	0.0613	0.05157	0.06272	9.41E-04	3.75E-06	1.68E-03	0.002627	9.61E-04	3.70E-06	1.87E-03	2.84E-03	9.13E-04	4.69E-06	3.59E-03	4.51E-03
2361	494661.06, 3860101.99	0.06109	0.05139	0.06251	9.37E-04	3.74E-06	1.68E-03	0.002618	9.58E-04	3.68E-06	1.86E-03	2.83E-03	9.10E-04	4.67E-06	3.58E-03	4.50E-03
2362	494711.06, 3860101.99	0.06075	0.05109	0.06217	9.32E-04	3.72E-06	1.67E-03	0.002603	9.53E-04	3.66E-06	1.85E-03	2.81E-03	9.05E-04	4.65E-06	3.56E-03	4.47E-03
2363	494761.06, 3860101.99	0.06053	0.0509	0.06195	9.29E-04	3.71E-06	1.66E-03	0.002594	9.49E-04	3.65E-06	1.85E-03	2.80E-03	9.02E-04	4.63E-06	3.55E-03	4.46E-03
2364	494811.06, 3860101.99	0.06031	0.05072	0.06174	9.25E-04	3.69E-06	1.66E-03	0.002585	9.46E-04	3.63E-06	1.84E-03	2.79E-03	8.98E-04	4.61E-06	3.54E-03	4.44E-03
2365	494861.06, 3860101.99	0.06023	0.0507	0.06175	9.24E-04	3.69E-06	1.66E-03	0.002584	9.44E-04	3.63E-06	1.84E-03	2.79E-03	8.97E-04	4.61E-06	3.54E-03	4.44E-03
2366	494911.06, 3860101.99	0.05975	0.05022	0.06118	9.17E-04	3.66E-06	1.64E-03	0.002561	9.37E-04	3.60E-06	1.83E-03	2.77E-03	8.90E-04	4.57E-06	3.50E-03	4.40E-03
2367	494961.06, 3860101.99	0.05951	0.05002	0.06095	9.13E-04	3.64E-06	1.63E-03	0.002552	9.33E-04	3.58E-06	1.82E-03	2.75E-03	8.87E-04	4.55E-06	3.49E-03	4.38E-03
2368	495011.06, 3860101.99	0.05921	0.04976	0.06065	9.09E-04	3.62E-06	1.63E-03	0.002539	9.28E-04	3.57E-06	1.81E-03	2.74E-03	8.82E-04	4.53E-06	3.47E-03	4.36E-03
2369	495061.06, 3860101.99	0.05892	0.04951	0.06036	9.04E-04	3.60E-06	1.62E-03	0.002527	9.24E-04	3.55E-06	1.80E-03	2.73E-03	8.78E-04	4.50E-06	3.46E-03	4.34E-03
2370	495111.06, 3860101.99	0.05857	0.04921	0.06001	8.99E-04	3.58E-06	1.61E-03	0.002512	9.18E-04	3.53E-06	1.79E-03	2.71E-03	8.73E-04	4.48E-06	3.44E-03	4.31E-03
2371	495161.06, 3860101.99	0.05836	0.04903	0.0598	8.96E-04	3.57E-06	1.60E-03	0.002503	9.15E-04	3.51E-06	1.78E-03	2.70E-03	8.69E-04	4.46E-06	3.43E-03	4.30E-03
2372	495211.06, 3860101.99	0.0581	0.04881	0.05955	8.92E-04	3.55E-06	1.60E-03	0.002492	9.11E-04	3.50E-06	1.78E-03	2.69E-03	8.66E-04	4.44E-06	3.41E-03	4.28E-03
2373	495261.06, 3860101.99	0.05783	0.0486	0.05929	8.87E-04	3.54E-06	1.59E-03	0.002481	9.07E-04	3.48E-06	1.77E-03	2.68E-03	8.61E-04	4.42E-06	3.40E-03	4.26E-03
2374	495311.06, 3860101.99	0.0576	0.0484	0.05906	8.84E-04	3.52E-06	1.58E-03	0.002471	9.03E-04	3.47E-06	1.76E-03	2.67E-03	8.58E-04	4.40E-06	3.38E-03	4.25E-03
2375	495361.06, 3860101.99	0.0574	0.04825	0.05887	8.81E-04	3.51E-06	1.58E-03	0.002463	9.00E-04	3.46E-06	1.76E-03	2.66E-03	8.55E-04	4.39E-06	3.37E-03	4.23E-03
2376	495411.06, 3860101.99	0.05714	0.04805	0.05862	8.77E-04	3.50E-06	1.57E-03	0.002453	8.96E-04	3.44E-06	1.75E-03	2.65E-03	8.51E-04	4.37E-06	3.36E-03	4.21E-03
2377	495461.06, 3860101.99	0.0568	0.04777	0.05829	8.72E-04	3.48E-06	1.56E-03	0.002438	8.91E-04	3.42E-06	1.74E-03	2.63E-03	8.46E-04	4.35E-06	3.34E-03	4.19E-03
2378	495511.06, 3860101.99	0.05662	0.04764	0.05811	8.69E-04	3.47E-06	1.56E-03	0.002431	8.88E-04	3.41E-06	1.73E-03	2.62E-03	8.43E-04	4.33E-06	3.33E-03	4.18E-03
2379	495561.06, 3860101.99	0.05643	0.0475	0.05793	8.66E-04	3.46E-06	1.55E-03	0.002423	8.85E-04	3.40E-06	1.73E-03	2.62E-03	8.41E-04	4.32E-06	3.32E-03	4.16E-03
2380	495611.06, 3860101.99	0.05608	0.04723	0.05759	8.61E-04	3.44E-06	1.54E-03	0.002409	8.79E-04	3.38E-06	1.72E-03	2.60E-03	8.35E-04	4.30E-06	3.30E-03	4.14E-03
2381	495661.06, 3860101.99	0.05583	0.04705	0.05736	8.57E-04	3.42E-06	1.54E-03	0.002399	8.75E-04	3.37E-06	1.71E-03	2.59E-03	8.32E-04	4.28E-06	3.29E-03	4.12E-03
2382	494861.06, 3860151.99	0.05929	0.05035	0.06136	9.10E-04	3.67E-06	1.65E-03	0.002559	9.30E-04	3.61E-06	1.83E-03	2.76E-03	8.83E-04	4.58E-06	3.51E-03	4.40E-03
2383	494911.06, 3860151.99	0.05894	0.04975	0.0604	9.04E-04	3.62E-06	1.62E-03	0.002528	9.24E-04	3.56E-06	1.80E-03	2.73E-03	8.78E-04	4.53E-06	3.46E-03	4.34E-03
2384	494961.06, 3860151.99	0.05867	0.04951	0.06013	9.00E-04	3.60E-06	1.61E-03	0.002517	9.20E-04	3.55E-06	1.79E-03	2.72E-03	8.74E-04	4.50E-06	3.44E-03	4.32E-03
2385	495011.06, 3860151.99	0.0584	0.04926	0.05984	8.96E-04	3.59E-06	1.60E-03	0.002505	9.16E-04	3.53E-06	1.79E-03	2.70E-03	8.70E-04	4.48E-06	3.43E-03	4.30E-03
2386	495061.06, 3860151.99	0.05812	0.04901	0.05955	8.92E-04	3.57E-06	1.60E-03	0.002493	9.11E-04	3.51E-06	1.78E-03	2.69E-03	8.66E-04	4.46E-06	3.41E-03	4.28E-03
2387	495111.06, 3860151.99	0.05786	0.04879	0.0593	8.88E-04	3.55E-06	1.59E-03	0.002482	9.07E-04	3.50E-06	1.77E-03	2.68E-03	8.62E-04	4.44E-06	3.40E-03	4.26E-03
2388	495161.06, 3860151.99	0.05762	0.04859	0.05906	8.84E-04	3.54E-06	1.58E-03	0.002472	9.03E-04	3.48E-06	1.76E-03	2.67E-03	8.58E-04	4.42E-06	3.38E-03	4.25E-03
2389	495211.06, 3860151.99	0.05736	0.04836	0.0588	8.80E-04	3.52E-06	1.58E-03	0.002461	8.99E-04	3.47E-06	1.75E-03	2.66E-03	8.54E-04	4.40E-06	3.37E-03	4.23E-03
2390	495261.06, 3860151.99	0.05713	0.04817	0.05858	8.77E-04	3.51E-06	1.57E-03	0.002451	8.96E-04	3.45E-06	1.75E-03	2.65E-03	8.51E-04	4.38E-06	3.36E-03	4.21E-03

2391	495311.06, 3860151.99	0.0569	0.04798	0.05835	8.73E-04	3.49E-06	1.56E-03	0.002442	8.92E-04	3.44E-06	1.74E-03	2.64E-03	8.48E-04	4.36E-06	3.34E-03	4.19E-03
2392	495361.06, 3860151.99	0.05668	0.0478	0.05813	8.70E-04	3.48E-06	1.56E-03	0.002432	8.89E-04	3.42E-06	1.73E-03	2.63E-03	8.44E-04	4.35E-06	3.33E-03	4.18E-03
2393	495411.06, 3860151.99	0.05644	0.0476	0.05789	8.66E-04	3.46E-06	1.55E-03	0.002422	8.85E-04	3.41E-06	1.73E-03	2.62E-03	8.41E-04	4.33E-06	3.32E-03	4.16E-03
2394	495461.06, 3860151.99	0.0562	0.0474	0.05766	8.62E-04	3.45E-06	1.55E-03	0.002412	8.81E-04	3.40E-06	1.72E-03	2.60E-03	8.37E-04	4.31E-06	3.30E-03	4.14E-03
2395	495511.06, 3860151.99	0.05594	0.04719	0.0574	8.58E-04	3.44E-06	1.54E-03	0.002401	8.77E-04	3.38E-06	1.71E-03	2.59E-03	8.33E-04	4.29E-06	3.29E-03	4.13E-03
2396	495561.06, 3860151.99	0.05572	0.04702	0.05719	8.55E-04	3.42E-06	1.53E-03	0.002392	8.74E-04	3.37E-06	1.71E-03	2.58E-03	8.30E-04	4.28E-06	3.28E-03	4.11E-03
2397	495611.06, 3860151.99	0.05546	0.04681	0.05693	8.51E-04	3.41E-06	1.53E-03	0.002381	8.70E-04	3.35E-06	1.70E-03	2.57E-03	8.26E-04	4.26E-06	3.26E-03	4.09E-03
2398	495661.06, 3860151.99	0.05519	0.04659	0.05666	8.47E-04	3.39E-06	1.52E-03	0.00237	8.65E-04	3.34E-06	1.69E-03	2.56E-03	8.22E-04	4.24E-06	3.25E-03	4.07E-03
2399	495718.25, 3859442.96	0.05639	0.04876	0.05887	8.65E-04	3.55E-06	1.58E-03	0.002448	8.84E-04	3.49E-06	1.76E-03	2.64E-03	8.40E-04	4.44E-06	3.37E-03	4.22E-03
2400	495818.25, 3859442.96	0.05533	0.04793	0.05776	8.49E-04	3.49E-06	1.55E-03	0.002402	8.68E-04	3.43E-06	1.72E-03	2.59E-03	8.24E-04	4.36E-06	3.31E-03	4.14E-03
2401	495918.25, 3859442.96	0.05459	0.04738	0.05698	8.38E-04	3.45E-06	1.53E-03	0.002369	8.56E-04	3.39E-06	1.70E-03	2.56E-03	8.13E-04	4.31E-06	3.26E-03	4.08E-03
2402	496018.25, 3859442.96	0.05397	0.04693	0.05633	8.28E-04	3.42E-06	1.51E-03	0.002342	8.46E-04	3.36E-06	1.68E-03	2.53E-03	8.04E-04	4.27E-06	3.23E-03	4.04E-03
2403	496118.25, 3859442.96	0.05432	0.04734	0.05672	8.34E-04	3.45E-06	1.52E-03	0.002358	8.52E-04	3.39E-06	1.69E-03	2.55E-03	8.09E-04	4.31E-06	3.25E-03	4.06E-03
2404	496218.25, 3859442.96	0.05452	0.04761	0.05695	8.37E-04	3.47E-06	1.53E-03	0.002368	8.55E-04	3.41E-06	1.70E-03	2.56E-03	8.12E-04	4.33E-06	3.26E-03	4.08E-03
2405	496318.25, 3859442.96	0.05398	0.04722	0.05639	8.28E-04	3.44E-06	1.51E-03	0.002344	8.46E-04	3.38E-06	1.68E-03	2.53E-03	8.04E-04	4.30E-06	3.23E-03	4.04E-03
2406	496418.25, 3859442.96	0.0534	0.04678	0.05578	8.19E-04	3.41E-06	1.50E-03	0.002319	8.37E-04	3.35E-06	1.66E-03	2.50E-03	7.96E-04	4.26E-06	3.20E-03	4.00E-03
2407	495718.25, 3859542.96	0.05716	0.04927	0.05967	8.77E-04	3.59E-06	1.60E-03	0.002481	8.96E-04	3.53E-06	1.78E-03	2.68E-03	8.52E-04	4.48E-06	3.42E-03	4.27E-03
2408	495818.25, 3859542.96	0.05641	0.04873	0.05889	8.66E-04	3.55E-06	1.58E-03	0.002449	8.84E-04	3.49E-06	1.76E-03	2.64E-03	8.40E-04	4.43E-06	3.37E-03	4.22E-03
2409	495918.25, 3859542.96	0.05548	0.04803	0.05793	8.51E-04	3.50E-06	1.55E-03	0.002409	8.70E-04	3.44E-06	1.73E-03	2.60E-03	8.26E-04	4.37E-06	3.32E-03	4.15E-03
2410	496018.25, 3859542.96	0.0547	0.04746	0.05712	8.39E-04	3.45E-06	1.53E-03	0.002375	8.58E-04	3.40E-06	1.70E-03	2.57E-03	8.15E-04	4.32E-06	3.27E-03	4.09E-03
2411	496118.25, 3859542.96	0.05498	0.0478	0.05742	8.44E-04	3.48E-06	1.54E-03	0.002387	8.62E-04	3.42E-06	1.71E-03	2.58E-03	8.19E-04	4.35E-06	3.29E-03	4.11E-03
2412	496218.25, 3859542.96	0.05496	0.04789	0.05741	8.43E-04	3.49E-06	1.54E-03	0.002387	8.62E-04	3.43E-06	1.71E-03	2.58E-03	8.19E-04	4.36E-06	3.29E-03	4.11E-03
2413	496318.25, 3859542.96	0.05475	0.04781	0.0572	8.40E-04	3.48E-06	1.53E-03	0.002378	8.58E-04	3.43E-06	1.71E-03	2.57E-03	8.16E-04	4.35E-06	3.28E-03	4.10E-03
2414	496418.25, 3859542.96	0.05395	0.04721	0.05637	8.28E-04	3.44E-06	1.51E-03	0.002343	8.46E-04	3.38E-06	1.68E-03	2.53E-03	8.04E-04	4.29E-06	3.23E-03	4.04E-03
2415	495718.25, 3859642.96	0.05743	0.04923	0.05986	8.81E-04	3.58E-06	1.61E-03	0.00249	9.00E-04	3.53E-06	1.79E-03	2.69E-03	8.56E-04	4.48E-06	3.43E-03	4.29E-03
2416	495818.25, 3859642.96	0.05657	0.04862	0.05899	8.68E-04	3.54E-06	1.58E-03	0.002454	8.87E-04	3.48E-06	1.76E-03	2.65E-03	8.43E-04	4.42E-06	3.38E-03	4.23E-03
2417	495918.25, 3859642.96	0.05601	0.04825	0.05842	8.59E-04	3.51E-06	1.57E-03	0.00243	8.78E-04	3.46E-06	1.74E-03	2.62E-03	8.34E-04	4.39E-06	3.35E-03	4.19E-03
2418	496018.25, 3859642.96	0.05525	0.04771	0.05765	8.48E-04	3.47E-06	1.55E-03	0.002397	8.66E-04	3.42E-06	1.72E-03	2.59E-03	8.23E-04	4.34E-06	3.30E-03	4.13E-03
2419	496118.25, 3859642.96	0.0556	0.04811	0.058	8.53E-04	3.50E-06	1.56E-03	0.002412	8.72E-04	3.45E-06	1.73E-03	2.61E-03	8.28E-04	4.38E-06	3.32E-03	4.16E-03
2420	496218.25, 3859642.96	0.05564	0.04824	0.05804	8.54E-04	3.51E-06	1.56E-03	0.002414	8.72E-04	3.46E-06	1.73E-03	2.61E-03	8.29E-04	4.39E-06	3.32E-03	4.16E-03
2421	496318.25, 3859642.96	0.05502	0.04782	0.05741	8.44E-04	3.48E-06	1.54E-03	0.002388	8.63E-04	3.43E-06	1.71E-03	2.58E-03	8.20E-04	4.35E-06	3.29E-03	4.11E-03
2422	496418.25, 3859642.96	0.05286	0.0461	0.0552	8.11E-04	3.36E-06	1.48E-03	0.002295	8.29E-04	3.30E-06	1.65E-03	2.48E-03	7.87E-04	4.19E-06	3.16E-03	3.95E-03
2423	495718.25, 3859742.96	0.05785	0.04926	0.06012	8.88E-04	3.59E-06	1.61E-03	0.002504	9.07E-04	3.53E-06	1.79E-03	2.70E-03	8.62E-04	4.48E-06	3.44E-03	4.31E-03
2424	495818.25, 3859742.96	0.05689	0.04859	0.05917	8.73E-04	3.54E-06	1.59E-03	0.002463	8.92E-04	3.48E-06	1.77E-03	2.66E-03	8.47E-04	4.42E-06	3.39E-03	4.24E-03
2425	495918.25, 3859742.96	0.05619	0.04811	0.05847	8.62E-04	3.50E-06	1.57E-03	0.002434	8.81E-04	3.45E-06	1.74E-03	2.63E-03	8.37E-04	4.38E-06	3.35E-03	4.19E-03
2426	496018.25, 3859742.96	0.05542	0.04757	0.05771	8.50E-04	3.46E-06	1.55E-03	0.002402	8.69E-04	3.41E-06	1.72E-03	2.59E-03	8.26E-04	4.33E-06	3.31E-03	4.14E-03
2427	496118.25, 3859742.96	0.05557	0.04779	0.05784	8.53E-04	3.48E-06	1.55E-03	0.002408	8.71E-04	3.42E-06	1.73E-03	2.60E-03	8.28E-04	4.35E-06	3.31E-03	4.15E-03
2428	496218.25, 3859742.96	0.05585	0.04811	0.05811	8.57E-04	3.50E-06	1.56E-03	0.002419	8.76E-04	3.45E-06	1.73E-03	2.61E-03	8.32E-04	4.38E-06	3.33E-03	4.17E-03
2429	496318.25, 3859742.96	0.05416	0.04681	0.05643	8.31E-04	3.41E-06	1.51E-03	0.002348	8.49E-04	3.35E-06	1.68E-03	2.54E-03	8.07E-04	4.26E-06	3.23E-03	4.04E-03
2430	496418.25, 3859742.96	0.05256	0.0456	0.05485	8.07E-04	3.32E-06	1.47E-03	0.002281	8.24E-04	3.27E-06	1.64E-03	2.46E-03	7.83E-04	4.15E-06	3.14E-03	3.93E-03
2431	495718.25, 3859842.96	0.05765	0.0488	0.0597	8.85E-04	3.55E-06	1.60E-03	0.002489	9.04E-04	3.50E-06	1.78E-03	2.69E-03	8.59E-04	4.44E-06	3.42E-03	4.28E-03
2432	495818.25, 3859842.96	0.05697	0.04835	0.05904	8.74E-04	3.52E-06	1.58E-03	0.002461	8.93E-04	3.46E-06	1.76E-03	2.66E-03	8.49E-04	4.40E-06	3.38E-03	4.24E-03
2433	495918.25, 3859842.96	0.05626	0.04788	0.05835	8.63E-04	3.49E-06	1.56E-03	0.002432	8.82E-04	3.43E-06	1.74E-03	2.63E-03	8.38E-04	4.36E-06	3.34E-03	4.19E-03
2434	496018.25, 3859842.96	0.05583	0.04761	0.05792	8.57E-04	3.47E-06	1.55E-03	0.002414	8.75E-04	3.41E-06	1.73E-03	2.61E-03	8.32E-04	4.33E-06	3.32E-03	4.15E-03
2435	496118.25, 3859842.96	0.05613	0.04794	0.05821	8.61E-04	3.49E-06	1.56E-03	0.002426	8.80E-04	3.44E-06	1.74E-03	2.62E-03	8.36E-04	4.36E-06	3.33E-03	4.18E-03
2436	496218.25, 3859842.96	0.0547	0.04686	0.0568	8.39E-04	3.41E-06	1.52E-03	0.002366	8.58E-04	3.36E-06	1.69E-03	2.56E-03	8.15E-04	4.26E-06	3.25E-03	4.07E-03
2437	496318.25, 3859842.96	0.05178	0.04455	0.05391	7.95E-04	3.24E-06	1.45E-03	0.002244	8.12E-04	3.19E-06	1.61E-03	2.42E-03	7.71E-04	4.05E-06	3.09E-03	3.86E-03
2438	496418.25, 3859842.96	0.04976	0.04292	0.05186	7.64E-04	3.12E-06	1.39E-03	0.002158	7.80E-04	3.08E-06	1.55E-03	2.33E-03	7.41E-04	3.90E-06	2.97E-03	3.72E-03
2439	495718.25, 3859942.96	0.05703	0.0481	0.05887	8.75E-04	3.50E-06	1.58E-03	0.002458	8.94E-04	3.45E-06	1.76E-03	2.65E-03	8.50E-04	4.38E-06	3.37E-03	4.23E-03
2440	495818.25, 3859942.96	0.05636	0.04765	0.05822	8.65E-04	3.47E-06	1.56E-03	0.00243	8.84E-04	3.41E-06	1.74E-03	2.62E-03	8.40E-04	4.33E-06	3.34E-03	4.18E-03
2441	495918.25, 3859942.96	0.05587	0.04734	0.05775	8.57E-04	3.45E-06	1.55E-03	0.00241	8.76E-04	3.39E-06	1.72E-03	2.60E-03	8.32E-04	4.31E-06	3.31E-03	4.14E-03
2442	496018.25, 3859942.96	0.05584	0.04736	0.05768	8.57E-04	3.45E-06	1.55E-03	0.002407	8.76E-04	3.39E-06	1.72E-03	2.60E-03	8.32E-04	4.31E-06	3.30E-03	4.14E-03
2443	496118.25, 3859942.96	0.0548	0.04663	0.0567	8.41E-04	3.39E-06	1.52E-03	0.002365	8.59E-04	3.34E-06	1.69E-03	2.55E-03	8.16E-04	4.24E-06	3.25E-03	4.07E-03
2444	496218.25, 3859942.96	0.05308	0.04535	0.05506	8.15E-04	3.30E-06	1.48E-03	0.002295	8.32E-04	3.25E-06	1.64E-03	2.48E-03	7.91E-04	4.13E-06	3.15E-03	3.95E-03
2445	496318.25, 3859942.96	0.0512	0.04388	0.05322	7.86E-04	3.19E-06	1.43E-03	0.002216	8.03E-04	3.14E-06	1.59E-03	2.39E-03	7.63E-04	3.99E-06	3.05E-03	3.82E-03
2446	496418.25, 3859942.96	0.04853	0.0417	0.05053	7.45E-04	3.04E-06	1.36E-03	0.002103	7.61E-04	2.99E-06	1.51E-03	2.27E-03	7.23E-04	3.79E-06	2.89E-03	3.62E-03
2447	496856.82, 3858864.83	0.04534	0.03898	0.04694	6.96E-04	2.84E-06	1.26E-03	0.001958	7.11E-04	2.79E-06	1.40E-03	2.11E-03	6.75E-04	3.55E-06	2.69E-03	3.37E-03

2448	496956.82, 3858864.83	0.04467	0.03838	0.04624	6.85E-04	2.79E-06	1.24E-03	0.001928	7.00E-04	2.75E-06	1.38E-03	2.08E-03	6.65E-04	3.49E-06	2.65E-03	3.32E-03
2449	497056.82, 3858864.83	0.04404	0.03781	0.04558	6.76E-04	2.75E-06	1.22E-03	0.001901	6.91E-04	2.71E-06	1.36E-03	2.05E-03	6.56E-04	3.44E-06	2.61E-03	3.27E-03
2450	497156.82, 3858864.83	0.04323	0.0371	0.04474	6.63E-04	2.70E-06	1.20E-03	0.001866	6.78E-04	2.66E-06	1.33E-03	2.02E-03	6.44E-04	3.37E-06	2.56E-03	3.21E-03
2451	497256.82, 3858864.83	0.04298	0.03689	0.0445	6.60E-04	2.69E-06	1.19E-03	0.001856	6.74E-04	2.64E-06	1.33E-03	2.00E-03	6.40E-04	3.36E-06	2.55E-03	3.19E-03
2452	496856.82, 3858964.83	0.04639	0.04027	0.04813	7.12E-04	2.93E-06	1.29E-03	0.002006	7.27E-04	2.89E-06	1.44E-03	2.17E-03	6.91E-04	3.66E-06	2.76E-03	3.45E-03
2453	496956.82, 3858964.83	0.04541	0.03938	0.0471	6.97E-04	2.87E-06	1.26E-03	0.001963	7.12E-04	2.82E-06	1.41E-03	2.12E-03	6.76E-04	3.58E-06	2.70E-03	3.38E-03
2454	497056.82, 3858964.83	0.04468	0.03873	0.04634	6.86E-04	2.82E-06	1.24E-03	0.001931	7.01E-04	2.78E-06	1.38E-03	2.09E-03	6.66E-04	3.52E-06	2.65E-03	3.32E-03
2455	497156.82, 3858964.83	0.04395	0.03806	0.04557	6.74E-04	2.77E-06	1.22E-03	0.001899	6.89E-04	2.73E-06	1.36E-03	2.05E-03	6.55E-04	3.46E-06	2.61E-03	3.27E-03
2456	497256.82, 3858964.83	0.0443	0.03838	0.04598	6.80E-04	2.79E-06	1.23E-03	0.001916	6.95E-04	2.75E-06	1.37E-03	2.07E-03	6.60E-04	3.49E-06	2.63E-03	3.30E-03
2457	496856.82, 3859064.83	0.04678	0.04088	0.04857	7.18E-04	2.98E-06	1.30E-03	0.002023	7.33E-04	2.93E-06	1.45E-03	2.19E-03	6.97E-04	3.72E-06	2.78E-03	3.48E-03
2458	496956.82, 3859064.83	0.04599	0.04018	0.04774	7.06E-04	2.92E-06	1.28E-03	0.001989	7.21E-04	2.88E-06	1.42E-03	2.15E-03	6.85E-04	3.65E-06	2.73E-03	3.42E-03
2459	497056.82, 3859064.83	0.04535	0.03961	0.04708	6.96E-04	2.88E-06	1.26E-03	0.001961	7.11E-04	2.84E-06	1.40E-03	2.12E-03	6.76E-04	3.60E-06	2.70E-03	3.38E-03
2460	497156.82, 3859064.83	0.0448	0.03912	0.04652	6.87E-04	2.85E-06	1.25E-03	0.001938	7.02E-04	2.80E-06	1.39E-03	2.09E-03	6.67E-04	3.56E-06	2.66E-03	3.34E-03
2461	497256.82, 3859064.83	0.04555	0.03981	0.04734	6.99E-04	2.90E-06	1.27E-03	0.001972	7.14E-04	2.85E-06	1.41E-03	2.13E-03	6.79E-04	3.62E-06	2.71E-03	3.39E-03
2462	496856.82, 3859164.83	0.04669	0.04092	0.04849	7.16E-04	2.98E-06	1.30E-03	0.00202	7.32E-04	2.93E-06	1.45E-03	2.18E-03	6.96E-04	3.72E-06	2.78E-03	3.48E-03
2463	496956.82, 3859164.83	0.04583	0.04018	0.04759	7.03E-04	2.92E-06	1.28E-03	0.001983	7.19E-04	2.88E-06	1.42E-03	2.14E-03	6.83E-04	3.65E-06	2.73E-03	3.41E-03
2464	497056.82, 3859164.83	0.0455	0.03992	0.04727	6.98E-04	2.91E-06	1.27E-03	0.001969	7.13E-04	2.86E-06	1.41E-03	2.13E-03	6.78E-04	3.63E-06	2.71E-03	3.39E-03
2465	497156.82, 3859164.83	0.04576	0.04019	0.04757	7.02E-04	2.93E-06	1.28E-03	0.001981	7.17E-04	2.88E-06	1.42E-03	2.14E-03	6.82E-04	3.66E-06	2.73E-03	3.41E-03
2466	497256.82, 3859164.83	0.04673	0.04111	0.04865	7.17E-04	2.99E-06	1.30E-03	0.002025	7.33E-04	2.95E-06	1.45E-03	2.19E-03	6.96E-04	3.74E-06	2.79E-03	3.49E-03
2467	496856.82, 3859264.83	0.04626	0.04058	0.04806	7.10E-04	2.95E-06	1.29E-03	0.002002	7.25E-04	2.91E-06	1.43E-03	2.16E-03	6.89E-04	3.69E-06	2.75E-03	3.45E-03
2468	496956.82, 3859264.83	0.04613	0.04053	0.04795	7.08E-04	2.95E-06	1.29E-03	0.001997	7.23E-04	2.90E-06	1.43E-03	2.16E-03	6.87E-04	3.69E-06	2.75E-03	3.44E-03
2469	497056.82, 3859264.83	0.04645	0.04087	0.04833	7.13E-04	2.98E-06	1.30E-03	0.002012	7.28E-04	2.93E-06	1.44E-03	2.17E-03	6.92E-04	3.72E-06	2.77E-03	3.46E-03
2470	497156.82, 3859264.83	0.04668	0.04112	0.04859	7.16E-04	2.99E-06	1.30E-03	0.002023	7.32E-04	2.95E-06	1.45E-03	2.18E-03	6.95E-04	3.74E-06	2.78E-03	3.48E-03
2471	497256.82, 3859264.83	0.04745	0.04186	0.04945	7.28E-04	3.05E-06	1.33E-03	0.002057	7.44E-04	3.00E-06	1.48E-03	2.22E-03	7.07E-04	3.81E-06	2.83E-03	3.54E-03
2472	497088.92, 3858620.93	0.04136	0.03514	0.0427	6.35E-04	2.56E-06	1.15E-03	0.001782	6.48E-04	2.52E-06	1.27E-03	1.92E-03	6.16E-04	3.20E-06	2.45E-03	3.07E-03
2473	497138.92, 3858620.93	0.04129	0.03511	0.04263	6.34E-04	2.56E-06	1.14E-03	0.00178	6.47E-04	2.52E-06	1.27E-03	1.92E-03	6.15E-04	3.19E-06	2.44E-03	3.06E-03
2474	497188.92, 3858620.93	0.04102	0.0349	0.04235	6.29E-04	2.54E-06	1.14E-03	0.001768	6.43E-04	2.50E-06	1.26E-03	1.91E-03	6.11E-04	3.17E-06	2.43E-03	3.04E-03
2475	497238.92, 3858620.93	0.04081	0.03475	0.04213	6.26E-04	2.53E-06	1.13E-03	0.001759	6.40E-04	2.49E-06	1.26E-03	1.90E-03	6.08E-04	3.16E-06	2.41E-03	3.02E-03
2476	497088.92, 3858670.93	0.04144	0.03519	0.04277	6.36E-04	2.56E-06	1.15E-03	0.001786	6.50E-04	2.52E-06	1.28E-03	1.93E-03	6.17E-04	3.20E-06	2.45E-03	3.07E-03
2477	497138.92, 3858670.93	0.04157	0.03534	0.04293	6.38E-04	2.57E-06	1.15E-03	0.001792	6.52E-04	2.53E-06	1.28E-03	1.94E-03	6.19E-04	3.21E-06	2.46E-03	3.08E-03
2478	497188.92, 3858670.93	0.04121	0.03505	0.04256	6.32E-04	2.55E-06	1.14E-03	0.001776	6.46E-04	2.51E-06	1.27E-03	1.92E-03	6.14E-04	3.19E-06	2.44E-03	3.06E-03
2479	497238.92, 3858670.93	0.04113	0.03501	0.04248	6.31E-04	2.55E-06	1.14E-03	0.001773	6.45E-04	2.51E-06	1.27E-03	1.91E-03	6.13E-04	3.18E-06	2.43E-03	3.05E-03
2480	497088.92, 3858720.93	0.04228	0.03598	0.0437	6.49E-04	2.62E-06	1.17E-03	0.001823	6.63E-04	2.58E-06	1.30E-03	1.97E-03	6.30E-04	3.27E-06	2.50E-03	3.14E-03
2481	497138.92, 3858720.93	0.04132	0.03514	0.04269	6.34E-04	2.56E-06	1.14E-03	0.001782	6.48E-04	2.52E-06	1.27E-03	1.92E-03	6.16E-04	3.20E-06	2.45E-03	3.06E-03
2482	497188.92, 3858720.93	0.04109	0.03496	0.04246	6.31E-04	2.54E-06	1.14E-03	0.001772	6.44E-04	2.50E-06	1.27E-03	1.91E-03	6.12E-04	3.18E-06	2.43E-03	3.05E-03
2483	497238.92, 3858720.93	0.04156	0.03539	0.04296	6.38E-04	2.58E-06	1.15E-03	0.001793	6.52E-04	2.54E-06	1.28E-03	1.94E-03	6.19E-04	3.22E-06	2.46E-03	3.08E-03
2484	497088.92, 3858770.93	0.0425	0.03624	0.04394	6.52E-04	2.64E-06	1.18E-03	0.001833	6.66E-04	2.60E-06	1.31E-03	1.98E-03	6.33E-04	3.30E-06	2.52E-03	3.15E-03
2485	497138.92, 3858770.93	0.04208	0.03588	0.0435	6.46E-04	2.61E-06	1.17E-03	0.001815	6.60E-04	2.57E-06	1.30E-03	1.96E-03	6.27E-04	3.26E-06	2.49E-03	3.12E-03
2486	497188.92, 3858770.93	0.04174	0.03561	0.04316	6.41E-04	2.59E-06	1.16E-03	0.001801	6.54E-04	2.55E-06	1.29E-03	1.94E-03	6.22E-04	3.24E-06	2.47E-03	3.10E-03
2487	497238.92, 3858770.93	0.04201	0.03585	0.04345	6.45E-04	2.61E-06	1.17E-03	0.001813	6.59E-04	2.57E-06	1.30E-03	1.96E-03	6.26E-04	3.26E-06	2.49E-03	3.12E-03
2488	497396.65, 3858622.63	0.04226	0.03615	0.04372	6.48E-04	2.63E-06	1.17E-03	0.001824	6.63E-04	2.59E-06	1.30E-03	1.97E-03	6.30E-04	3.29E-06	2.50E-03	3.14E-03
2489	497496.65, 3858622.63	0.04305	0.03694	0.04458	6.61E-04	2.69E-06	1.20E-03	0.001859	6.75E-04	2.65E-06	1.33E-03	2.01E-03	6.41E-04	3.36E-06	2.55E-03	3.20E-03
2490	497596.65, 3858622.63	0.04457	0.0384	0.04624	6.84E-04	2.80E-06	1.24E-03	0.001927	6.99E-04	2.75E-06	1.38E-03	2.08E-03	6.64E-04	3.49E-06	2.65E-03	3.32E-03
2491	497696.65, 3858622.63	0.045	0.03888	0.04671	6.91E-04	2.83E-06	1.25E-03	0.001946	7.06E-04	2.79E-06	1.39E-03	2.10E-03	6.70E-04	3.54E-06	2.68E-03	3.35E-03
2492	497796.65, 3858622.63	0.04593	0.03985	0.04779	7.05E-04	2.90E-06	1.28E-03	0.001989	7.20E-04	2.86E-06	1.43E-03	2.15E-03	6.84E-04	3.62E-06	2.74E-03	3.43E-03
2493	497896.65, 3858622.63	0.04689	0.04084	0.04884	7.20E-04	2.97E-06	1.31E-03	0.002032	7.35E-04	2.93E-06	1.46E-03	2.20E-03	6.99E-04	3.71E-06	2.80E-03	3.50E-03
2494	497396.65, 3858722.63	0.0433	0.03702	0.04485	6.64E-04	2.69E-06	1.20E-03	0.00187	6.79E-04	2.65E-06	1.34E-03	2.02E-03	6.45E-04	3.37E-06	2.57E-03	3.22E-03
2495	497496.65, 3858722.63	0.04411	0.03779	0.04574	6.77E-04	2.75E-06	1.23E-03	0.001906	6.92E-04	2.71E-06	1.36E-03	2.06E-03	6.57E-04	3.44E-06	2.62E-03	3.28E-03
2496	497596.65, 3858722.63	0.04558	0.03917	0.04738	6.99E-04	2.85E-06	1.27E-03	0.001973	7.15E-04	2.81E-06	1.41E-03	2.13E-03	6.79E-04	3.56E-06	2.71E-03	3.40E-03
2497	497696.65, 3858722.63	0.04637	0.03996	0.04826	7.12E-04	2.91E-06	1.29E-03	0.002009	7.27E-04	2.86E-06	1.44E-03	2.17E-03	6.91E-04	3.63E-06	2.76E-03	3.46E-03
2498	497796.65, 3858722.63	0.04674	0.04038	0.04868	7.17E-04	2.94E-06	1.31E-03	0.002026	7.33E-04	2.89E-06	1.45E-03	2.19E-03	6.96E-04	3.67E-06	2.79E-03	3.49E-03
2499	497896.65, 3858722.63	0.04737	0.04104	0.04938	7.27E-04	2.99E-06	1.32E-03	0.002054	7.43E-04	2.94E-06	1.47E-03	2.22E-03	7.06E-04	3.73E-06	2.83E-03	3.54E-03
2500	497396.65, 3858822.63	0.04392	0.03766	0.04553	6.74E-04	2.74E-06	1.22E-03	0.001898	6.89E-04	2.70E-06	1.36E-03	2.05E-03	6.54E-04	3.43E-06	2.61E-03	3.27E-03
2501	497496.65, 3858822.63	0.04461	0.03832	0.04634	6.85E-04	2.79E-06	1.24E-03	0.00193	6.99E-04	2.75E-06	1.38E-03	2.08E-03	6.65E-04	3.49E-06	2.65E-03	3.32E-03
2502	497596.65, 3858822.63	0.04629	0.03988	0.04821	7.10E-04	2.90E-06	1.29E-03	0.002006	7.26E-04	2.86E-06	1.44E-03	2.17E-03	6.90E-04	3.63E-06	2.76E-03	3.45E-03
2503	497696.65, 3858822.63	0.04689	0.04044	0.04884	7.20E-04	2.94E-06	1.31E-03	0.002032	7.35E-04	2.90E-06	1.46E-03	2.20E-03	6.99E-04	3.68E-06	2.80E-03	3.50E-03
2504	497796.65, 3858822.63	0.04724	0.04083	0.04928	7.25E-04	2.97E-06	1.32E-03	0.00205	7.41E-04	2.93E-06	1.47E-03	2.21E-03	7.04E-04	3.71E-06	2.82E-03	3.53E-03

2505	497896.65, 3858822.63	0.04839	0.04191	0.05052	7.43E-04	3.05E-06	1.35E-03	0.002101	7.59E-04	3.00E-06	1.51E-03	2.27E-03	7.21E-04	3.81E-06	2.89E-03	3.62E-03
2506	497396.65, 3858922.63	0.04463	0.03855	0.04636	6.85E-04	2.81E-06	1.24E-03	0.001931	7.00E-04	2.76E-06	1.38E-03	2.09E-03	6.65E-04	3.51E-06	2.66E-03	3.32E-03
2507	497496.65, 3858922.63	0.0461	0.03988	0.04797	7.07E-04	2.90E-06	1.29E-03	0.001997	7.23E-04	2.86E-06	1.43E-03	2.16E-03	6.87E-04	3.63E-06	2.75E-03	3.44E-03
2508	497596.65, 3858922.63	0.04601	0.03981	0.04789	7.06E-04	2.90E-06	1.28E-03	0.001993	7.21E-04	2.85E-06	1.43E-03	2.15E-03	6.85E-04	3.62E-06	2.74E-03	3.43E-03
2509	497696.65, 3858922.63	0.04766	0.04134	0.04973	7.31E-04	3.01E-06	1.33E-03	0.002068	7.47E-04	2.96E-06	1.48E-03	2.23E-03	7.10E-04	3.76E-06	2.85E-03	3.56E-03
2510	497796.65, 3858922.63	0.04853	0.04212	0.05067	7.45E-04	3.07E-06	1.36E-03	0.002107	7.61E-04	3.02E-06	1.51E-03	2.28E-03	7.23E-04	3.83E-06	2.90E-03	3.63E-03
2511	497896.65, 3858922.63	0.04993	0.04344	0.05224	7.66E-04	3.16E-06	1.40E-03	0.00217	7.83E-04	3.11E-06	1.56E-03	2.34E-03	7.44E-04	3.95E-06	2.99E-03	3.74E-03
2512	497364.44, 3858201.52	0.04033	0.03569	0.04162	6.19E-04	2.60E-06	1.12E-03	0.001738	6.32E-04	2.56E-06	1.24E-03	1.88E-03	6.01E-04	3.25E-06	2.38E-03	2.99E-03
2513	497414.44, 3858201.52	0.04067	0.03608	0.04201	6.24E-04	2.63E-06	1.13E-03	0.001753	6.38E-04	2.59E-06	1.25E-03	1.89E-03	6.06E-04	3.28E-06	2.41E-03	3.02E-03
2514	497464.44, 3858201.52	0.041	0.03645	0.04237	6.29E-04	2.65E-06	1.14E-03	0.001768	6.43E-04	2.61E-06	1.26E-03	1.91E-03	6.11E-04	3.32E-06	2.43E-03	3.04E-03
2515	497514.44, 3858201.52	0.04116	0.03666	0.04254	6.32E-04	2.67E-06	1.14E-03	0.001775	6.45E-04	2.63E-06	1.27E-03	1.92E-03	6.13E-04	3.33E-06	2.44E-03	3.05E-03
2516	497564.44, 3858201.52	0.04098	0.03656	0.04236	6.29E-04	2.66E-06	1.14E-03	0.001768	6.43E-04	2.62E-06	1.26E-03	1.91E-03	6.10E-04	3.33E-06	2.43E-03	3.04E-03
2517	497614.44, 3858201.52	0.04104	0.03668	0.04243	6.30E-04	2.67E-06	1.14E-03	0.00177	6.43E-04	2.63E-06	1.27E-03	1.91E-03	6.11E-04	3.34E-06	2.43E-03	3.05E-03
2518	497364.44, 3858251.52	0.04097	0.03608	0.0423	6.29E-04	2.63E-06	1.13E-03	0.001766	6.42E-04	2.59E-06	1.26E-03	1.91E-03	6.10E-04	3.28E-06	2.42E-03	3.04E-03
2519	497414.44, 3858251.52	0.04149	0.03665	0.04286	6.37E-04	2.67E-06	1.15E-03	0.001789	6.51E-04	2.63E-06	1.28E-03	1.93E-03	6.18E-04	3.33E-06	2.46E-03	3.08E-03
2520	497464.44, 3858251.52	0.04115	0.03639	0.04251	6.31E-04	2.65E-06	1.14E-03	0.001774	6.45E-04	2.61E-06	1.27E-03	1.92E-03	6.13E-04	3.31E-06	2.44E-03	3.05E-03
2521	497514.44, 3858251.52	0.04073	0.03607	0.04208	6.25E-04	2.63E-06	1.13E-03	0.001756	6.39E-04	2.58E-06	1.26E-03	1.90E-03	6.07E-04	3.28E-06	2.41E-03	3.02E-03
2522	497564.44, 3858251.52	0.04059	0.036	0.04193	6.23E-04	2.62E-06	1.12E-03	0.00175	6.36E-04	2.58E-06	1.25E-03	1.89E-03	6.05E-04	3.27E-06	2.40E-03	3.01E-03
2523	497614.44, 3858251.52	0.04045	0.03594	0.0418	6.21E-04	2.62E-06	1.12E-03	0.001744	6.34E-04	2.58E-06	1.25E-03	1.88E-03	6.03E-04	3.27E-06	2.39E-03	3.00E-03
2524	497364.44, 3858301.52	0.04108	0.03601	0.04242	6.30E-04	2.62E-06	1.14E-03	0.001771	6.44E-04	2.58E-06	1.27E-03	1.91E-03	6.12E-04	3.28E-06	2.43E-03	3.05E-03
2525	497414.44, 3858301.52	0.0414	0.03636	0.04278	6.35E-04	2.65E-06	1.15E-03	0.001785	6.49E-04	2.61E-06	1.28E-03	1.93E-03	6.17E-04	3.31E-06	2.45E-03	3.07E-03
2526	497464.44, 3858301.52	0.04096	0.03602	0.0423	6.29E-04	2.62E-06	1.13E-03	0.001766	6.42E-04	2.58E-06	1.26E-03	1.91E-03	6.10E-04	3.28E-06	2.42E-03	3.04E-03
2527	497514.44, 3858301.52	0.04066	0.0358	0.042	6.24E-04	2.61E-06	1.13E-03	0.001753	6.38E-04	2.57E-06	1.25E-03	1.89E-03	6.06E-04	3.26E-06	2.41E-03	3.01E-03
2528	497564.44, 3858301.52	0.04022	0.03546	0.04153	6.17E-04	2.58E-06	1.11E-03	0.001734	6.31E-04	2.54E-06	1.24E-03	1.87E-03	5.99E-04	3.23E-06	2.38E-03	2.98E-03
2529	497614.44, 3858301.52	0.04006	0.03537	0.04137	6.15E-04	2.57E-06	1.11E-03	0.001727	6.28E-04	2.53E-06	1.23E-03	1.86E-03	5.97E-04	3.22E-06	2.37E-03	2.97E-03
2530	497364.44, 3858351.52	0.04131	0.03601	0.04268	6.34E-04	2.62E-06	1.14E-03	0.001781	6.48E-04	2.58E-06	1.27E-03	1.92E-03	6.15E-04	3.28E-06	2.44E-03	3.06E-03
2531	497414.44, 3858351.52	0.04103	0.03582	0.04238	6.30E-04	2.61E-06	1.14E-03	0.001769	6.43E-04	2.57E-06	1.26E-03	1.91E-03	6.11E-04	3.26E-06	2.43E-03	3.04E-03
2532	497464.44, 3858351.52	0.0409	0.03577	0.04226	6.28E-04	2.60E-06	1.13E-03	0.001764	6.41E-04	2.56E-06	1.26E-03	1.90E-03	6.09E-04	3.25E-06	2.42E-03	3.03E-03
2533	497514.44, 3858351.52	0.04066	0.03562	0.04201	6.24E-04	2.59E-06	1.13E-03	0.001753	6.38E-04	2.55E-06	1.25E-03	1.89E-03	6.06E-04	3.24E-06	2.41E-03	3.02E-03
2534	497564.44, 3858351.52	0.04011	0.03516	0.04141	6.15E-04	2.56E-06	1.11E-03	0.001729	6.29E-04	2.52E-06	1.24E-03	1.87E-03	5.98E-04	3.20E-06	2.37E-03	2.97E-03
2535	497614.44, 3858351.52	0.03997	0.0351	0.04127	6.13E-04	2.55E-06	1.11E-03	0.001723	6.27E-04	2.51E-06	1.23E-03	1.86E-03	5.95E-04	3.19E-06	2.36E-03	2.96E-03
2536	497364.44, 3858401.52	0.04086	0.03543	0.04221	6.27E-04	2.58E-06	1.13E-03	0.001762	6.41E-04	2.54E-06	1.26E-03	1.90E-03	6.09E-04	3.22E-06	2.42E-03	3.03E-03
2537	497414.44, 3858401.52	0.04085	0.03547	0.04219	6.27E-04	2.58E-06	1.13E-03	0.001761	6.40E-04	2.54E-06	1.26E-03	1.90E-03	6.09E-04	3.23E-06	2.42E-03	3.03E-03
2538	497464.44, 3858401.52	0.04054	0.03526	0.04187	6.22E-04	2.57E-06	1.12E-03	0.001748	6.36E-04	2.53E-06	1.25E-03	1.89E-03	6.04E-04	3.21E-06	2.40E-03	3.01E-03
2539	497514.44, 3858401.52	0.04037	0.03516	0.04169	6.19E-04	2.56E-06	1.12E-03	0.00174	6.33E-04	2.52E-06	1.24E-03	1.88E-03	6.01E-04	3.20E-06	2.39E-03	2.99E-03
2540	497564.44, 3858401.52	0.04074	0.03556	0.0421	6.25E-04	2.59E-06	1.13E-03	0.001757	6.39E-04	2.55E-06	1.26E-03	1.90E-03	6.07E-04	3.23E-06	2.41E-03	3.02E-03
2541	497614.44, 3858401.52	0.04104	0.03591	0.04244	6.30E-04	2.61E-06	1.14E-03	0.001771	6.43E-04	2.57E-06	1.27E-03	1.91E-03	6.11E-04	3.27E-06	2.43E-03	3.05E-03
2542	493478.11, 3860497.94	0.05768	0.04772	0.05905	8.85E-04	3.47E-06	1.58E-03	0.002472	9.04E-04	3.42E-06	1.76E-03	2.67E-03	8.59E-04	4.34E-06	3.38E-03	4.25E-03
2543	493528.11, 3860497.94	0.0575	0.04768	0.05889	8.82E-04	3.47E-06	1.58E-03	0.002465	9.02E-04	3.42E-06	1.76E-03	2.66E-03	8.57E-04	4.34E-06	3.37E-03	4.23E-03
2544	493478.11, 3860547.94	0.0565	0.0467	0.05778	8.67E-04	3.40E-06	1.55E-03	0.00242	8.86E-04	3.35E-06	1.72E-03	2.61E-03	8.42E-04	4.25E-06	3.31E-03	4.16E-03
2545	493528.11, 3860547.94	0.05632	0.04664	0.05762	8.64E-04	3.40E-06	1.55E-03	0.002413	8.83E-04	3.34E-06	1.72E-03	2.61E-03	8.39E-04	4.24E-06	3.30E-03	4.14E-03
2546	493478.11, 3860597.94	0.05533	0.0457	0.05655	8.49E-04	3.33E-06	1.52E-03	0.002369	8.68E-04	3.27E-06	1.69E-03	2.56E-03	8.24E-04	4.16E-06	3.24E-03	4.07E-03
2547	493528.11, 3860597.94	0.05517	0.04565	0.0564	8.47E-04	3.32E-06	1.51E-03	0.002363	8.65E-04	3.27E-06	1.68E-03	2.55E-03	8.22E-04	4.15E-06	3.23E-03	4.06E-03
2548	493561.88, 3860524.64	0.05676	0.0471	0.05812	8.71E-04	3.43E-06	1.56E-03	0.002433	8.90E-04	3.37E-06	1.73E-03	2.63E-03	8.46E-04	4.28E-06	3.33E-03	4.18E-03
2549	493591.88, 3860524.64	0.05668	0.04711	0.05807	8.70E-04	3.43E-06	1.56E-03	0.002431	8.89E-04	3.38E-06	1.73E-03	2.62E-03	8.44E-04	4.29E-06	3.33E-03	4.18E-03
2550	493561.88, 3860554.64	0.05605	0.04649	0.05737	8.60E-04	3.38E-06	1.54E-03	0.002402	8.79E-04	3.33E-06	1.71E-03	2.59E-03	8.35E-04	4.23E-06	3.29E-03	4.13E-03
2551	493591.88, 3860554.64	0.056	0.04651	0.05735	8.59E-04	3.39E-06	1.54E-03	0.002401	8.78E-04	3.33E-06	1.71E-03	2.59E-03	8.34E-04	4.23E-06	3.29E-03	4.12E-03
2552	492880.5, 3860293.11	0.06492	0.05228	0.06592	9.96E-04	3.81E-06	1.77E-03	0.002768	1.02E-03	3.75E-06	1.97E-03	2.99E-03	9.67E-04	4.76E-06	3.78E-03	4.75E-03
2553	492930.5, 3860293.11	0.0648	0.05233	0.06589	9.94E-04	3.81E-06	1.77E-03	0.002765	1.02E-03	3.75E-06	1.97E-03	2.99E-03	9.65E-04	4.76E-06	3.77E-03	4.74E-03
2554	492980.5, 3860293.11	0.06469	0.05238	0.06585	9.93E-04	3.81E-06	1.77E-03	0.002763	1.01E-03	3.75E-06	1.96E-03	2.98E-03	9.64E-04	4.76E-06	3.77E-03	4.74E-03
2555	493030.5, 3860293.11	0.06467	0.05254	0.06598	9.92E-04	3.82E-06	1.77E-03	0.002766	1.01E-03	3.76E-06	1.97E-03	2.99E-03	9.63E-04	4.78E-06	3.78E-03	4.75E-03
2556	493080.5, 3860293.11	0.06454	0.05264	0.06602	9.90E-04	3.83E-06	1.77E-03	0.002765	1.01E-03	3.77E-06	1.97E-03	2.99E-03	9.61E-04	4.79E-06	3.78E-03	4.75E-03
2557	493130.5, 3860293.11	0.06431	0.05252	0.06574	9.87E-04	3.82E-06	1.76E-03	0.002754	1.01E-03	3.76E-06	1.96E-03	2.97E-03	9.58E-04	4.78E-06	3.77E-03	4.73E-03
2558	493180.5, 3860293.11	0.06404	0.05239	0.06545	9.83E-04	3.81E-06	1.76E-03	0.002742	1.00E-03	3.75E-06	1.95E-03	2.96E-03	9.54E-04	4.77E-06	3.75E-03	4.71E-03
2559	493230.5, 3860293.11	0.06382	0.05232	0.06524	9.79E-04	3.81E-06	1.75E-03	0.002733	1.00E-03	3.75E-06	1.95E-03	2.95E-03	9.51E-04	4.76E-06	3.74E-03	4.69E-03
2560	493280.5, 3860293.11	0.06366	0.05235	0.06517	9.77E-04	3.81E-06	1.75E-03	0.002729	9.98E-04	3.75E-06	1.94E-03	2.95E-03	9.48E-04	4.76E-06	3.73E-03	4.69E-03
2561	493330.5, 3860293.11	0.06347	0.05232	0.06503	9.74E-04	3.81E-06	1.74E-03	0.002722	9.95E-04	3.75E-06	1.94E-03	2.94E-03	9.46E-04	4.76E-06	3.73E-03	4.68E-03

2562	493380.5, 3860293.11	0.06326	0.05226	0.06485	9.71E-04	3.80E-06	1.74E-03	0.002714	9.92E-04	3.74E-06	1.93E-03	2.93E-03	9.42E-04	4.75E-06	3.71E-03	4.66E-03
2563	492880.5, 3860343.11	0.06342	0.05104	0.06432	9.73E-04	3.72E-06	1.73E-03	0.002702	9.94E-04	3.66E-06	1.92E-03	2.92E-03	9.45E-04	4.64E-06	3.68E-03	4.63E-03
2564	492930.5, 3860343.11	0.0633	0.05108	0.06428	9.71E-04	3.72E-06	1.72E-03	0.002699	9.92E-04	3.66E-06	1.92E-03	2.91E-03	9.43E-04	4.65E-06	3.68E-03	4.63E-03
2565	492980.5, 3860343.11	0.06339	0.05134	0.06455	9.73E-04	3.74E-06	1.73E-03	0.002708	9.94E-04	3.68E-06	1.93E-03	2.92E-03	9.44E-04	4.67E-06	3.70E-03	4.65E-03
2566	493030.5, 3860343.11	0.06323	0.05133	0.06444	9.70E-04	3.74E-06	1.73E-03	0.002702	9.91E-04	3.68E-06	1.92E-03	2.92E-03	9.42E-04	4.67E-06	3.69E-03	4.64E-03
2567	493080.5, 3860343.11	0.06318	0.05148	0.06455	9.70E-04	3.75E-06	1.73E-03	0.002705	9.91E-04	3.69E-06	1.93E-03	2.92E-03	9.41E-04	4.68E-06	3.70E-03	4.64E-03
2568	493130.5, 3860343.11	0.06297	0.05141	0.06435	9.66E-04	3.74E-06	1.73E-03	0.002696	9.87E-04	3.68E-06	1.92E-03	2.91E-03	9.38E-04	4.68E-06	3.69E-03	4.63E-03
2569	493180.5, 3860343.11	0.06269	0.05125	0.06403	9.62E-04	3.73E-06	1.72E-03	0.002683	9.83E-04	3.67E-06	1.91E-03	2.90E-03	9.34E-04	4.66E-06	3.67E-03	4.61E-03
2570	493230.5, 3860343.11	0.06249	0.0512	0.06386	9.59E-04	3.73E-06	1.71E-03	0.002675	9.80E-04	3.67E-06	1.91E-03	2.89E-03	9.31E-04	4.66E-06	3.66E-03	4.59E-03
2571	493280.5, 3860343.11	0.06237	0.05125	0.06382	9.57E-04	3.73E-06	1.71E-03	0.002672	9.78E-04	3.67E-06	1.90E-03	2.89E-03	9.29E-04	4.66E-06	3.66E-03	4.59E-03
2572	493330.5, 3860343.11	0.0622	0.05125	0.06371	9.54E-04	3.73E-06	1.71E-03	0.002667	9.75E-04	3.67E-06	1.90E-03	2.88E-03	9.27E-04	4.66E-06	3.65E-03	4.58E-03
2573	493380.5, 3860343.11	0.062	0.0512	0.06355	9.51E-04	3.73E-06	1.70E-03	0.00266	9.72E-04	3.67E-06	1.90E-03	2.87E-03	9.24E-04	4.66E-06	3.64E-03	4.57E-03
2574	492880.5, 3860393.11	0.06193	0.04981	0.06273	9.50E-04	3.63E-06	1.68E-03	0.002636	9.71E-04	3.57E-06	1.87E-03	2.85E-03	9.23E-04	4.53E-06	3.59E-03	4.52E-03
2575	492930.5, 3860393.11	0.06188	0.04991	0.06278	9.50E-04	3.63E-06	1.68E-03	0.002637	9.70E-04	3.58E-06	1.87E-03	2.85E-03	9.22E-04	4.54E-06	3.60E-03	4.52E-03
2576	492980.5, 3860393.11	0.06186	0.05007	0.06291	9.49E-04	3.64E-06	1.69E-03	0.00264	9.70E-04	3.59E-06	1.88E-03	2.85E-03	9.22E-04	4.55E-06	3.60E-03	4.53E-03
2577	493030.5, 3860393.11	0.0618	0.05015	0.06294	9.48E-04	3.65E-06	1.69E-03	0.00264	9.69E-04	3.59E-06	1.88E-03	2.85E-03	9.21E-04	4.56E-06	3.61E-03	4.53E-03
2578	493080.5, 3860393.11	0.06182	0.05034	0.0631	9.49E-04	3.66E-06	1.69E-03	0.002645	9.69E-04	3.61E-06	1.88E-03	2.86E-03	9.21E-04	4.58E-06	3.61E-03	4.54E-03
2579	493130.5, 3860393.11	0.0616	0.05025	0.06288	9.45E-04	3.66E-06	1.69E-03	0.002635	9.66E-04	3.60E-06	1.88E-03	2.85E-03	9.18E-04	4.57E-06	3.60E-03	4.52E-03
2580	493180.5, 3860393.11	0.0613	0.05009	0.06257	9.41E-04	3.65E-06	1.68E-03	0.002622	9.61E-04	3.59E-06	1.87E-03	2.83E-03	9.13E-04	4.56E-06	3.58E-03	4.50E-03
2581	493230.5, 3860393.11	0.06115	0.05008	0.06246	9.38E-04	3.65E-06	1.68E-03	0.002617	9.59E-04	3.59E-06	1.86E-03	2.83E-03	9.11E-04	4.56E-06	3.58E-03	4.49E-03
2582	493280.5, 3860393.11	0.06108	0.05016	0.06247	9.37E-04	3.65E-06	1.68E-03	0.002616	9.58E-04	3.59E-06	1.86E-03	2.82E-03	9.10E-04	4.56E-06	3.58E-03	4.49E-03
2583	493330.5, 3860393.11	0.06094	0.05018	0.0624	9.35E-04	3.65E-06	1.67E-03	0.002612	9.55E-04	3.60E-06	1.86E-03	2.82E-03	9.08E-04	4.56E-06	3.57E-03	4.49E-03
2584	493380.5, 3860393.11	0.06077	0.05015	0.06226	9.33E-04	3.65E-06	1.67E-03	0.002606	9.53E-04	3.59E-06	1.86E-03	2.81E-03	9.05E-04	4.56E-06	3.57E-03	4.48E-03
2585	492880.5, 3860443.11	0.06049	0.04865	0.06123	9.28E-04	3.54E-06	1.64E-03	0.002574	9.48E-04	3.49E-06	1.83E-03	2.78E-03	9.01E-04	4.43E-06	3.51E-03	4.41E-03
2586	492930.5, 3860443.11	0.06039	0.04868	0.06118	9.27E-04	3.54E-06	1.64E-03	0.002571	9.47E-04	3.49E-06	1.83E-03	2.78E-03	9.00E-04	4.43E-06	3.50E-03	4.41E-03
2587	492980.5, 3860443.11	0.06039	0.04882	0.0613	9.27E-04	3.55E-06	1.64E-03	0.002574	9.47E-04	3.50E-06	1.83E-03	2.78E-03	9.00E-04	4.44E-06	3.51E-03	4.42E-03
2588	493030.5, 3860443.11	0.06036	0.04894	0.06139	9.26E-04	3.56E-06	1.65E-03	0.002576	9.46E-04	3.51E-06	1.83E-03	2.78E-03	8.99E-04	4.45E-06	3.52E-03	4.42E-03
2589	493080.5, 3860443.11	0.06025	0.04898	0.06135	9.25E-04	3.57E-06	1.65E-03	0.002574	9.45E-04	3.51E-06	1.83E-03	2.78E-03	8.98E-04	4.46E-06	3.51E-03	4.42E-03
2590	493130.5, 3860443.11	0.06014	0.04901	0.0613	9.23E-04	3.57E-06	1.64E-03	0.002571	9.43E-04	3.51E-06	1.83E-03	2.78E-03	8.96E-04	4.46E-06	3.51E-03	4.41E-03
2591	493180.5, 3860443.11	0.05989	0.04888	0.06104	9.19E-04	3.56E-06	1.64E-03	0.00256	9.39E-04	3.50E-06	1.82E-03	2.76E-03	8.92E-04	4.45E-06	3.50E-03	4.39E-03
2592	493230.5, 3860443.11	0.05986	0.04901	0.06112	9.19E-04	3.57E-06	1.64E-03	0.002561	9.39E-04	3.51E-06	1.82E-03	2.77E-03	8.92E-04	4.46E-06	3.50E-03	4.40E-03
2593	493280.5, 3860443.11	0.05977	0.04905	0.06109	9.17E-04	3.57E-06	1.64E-03	0.002559	9.37E-04	3.51E-06	1.82E-03	2.76E-03	8.90E-04	4.46E-06	3.50E-03	4.39E-03
2594	493330.5, 3860443.11	0.0597	0.04913	0.0611	9.16E-04	3.58E-06	1.64E-03	0.002558	9.36E-04	3.52E-06	1.82E-03	2.76E-03	8.89E-04	4.47E-06	3.50E-03	4.39E-03
2595	493380.5, 3860443.11	0.05951	0.04908	0.06093	9.13E-04	3.57E-06	1.63E-03	0.002551	9.33E-04	3.52E-06	1.82E-03	2.75E-03	8.87E-04	4.46E-06	3.49E-03	4.38E-03
2596	493180.5, 3860493.11	0.05862	0.04782	0.0597	9.00E-04	3.48E-06	1.60E-03	0.002504	9.19E-04	3.43E-06	1.78E-03	2.70E-03	8.73E-04	4.35E-06	3.42E-03	4.30E-03
2597	493230.5, 3860493.11	0.05855	0.0479	0.05972	8.98E-04	3.49E-06	1.60E-03	0.002504	9.18E-04	3.43E-06	1.78E-03	2.70E-03	8.72E-04	4.36E-06	3.42E-03	4.30E-03
2598	493280.5, 3860493.11	0.05848	0.04798	0.05974	8.97E-04	3.49E-06	1.60E-03	0.002503	9.17E-04	3.44E-06	1.78E-03	2.70E-03	8.71E-04	4.36E-06	3.42E-03	4.30E-03
2599	493330.5, 3860493.11	0.05838	0.04801	0.0597	8.96E-04	3.49E-06	1.60E-03	0.002501	9.15E-04	3.44E-06	1.78E-03	2.70E-03	8.70E-04	4.37E-06	3.42E-03	4.29E-03
2600	493380.5, 3860493.11	0.0582	0.04797	0.05955	8.93E-04	3.49E-06	1.60E-03	0.002494	9.13E-04	3.44E-06	1.78E-03	2.69E-03	8.67E-04	4.36E-06	3.41E-03	4.28E-03
2601	493330.5, 3860543.11	0.05714	0.04695	0.05838	8.77E-04	3.42E-06	1.57E-03	0.002446	8.96E-04	3.36E-06	1.74E-03	2.64E-03	8.51E-04	4.27E-06	3.34E-03	4.20E-03
2602	493380.5, 3860543.11	0.05697	0.04691	0.05823	8.74E-04	3.41E-06	1.56E-03	0.002439	8.93E-04	3.36E-06	1.74E-03	2.63E-03	8.49E-04	4.27E-06	3.34E-03	4.19E-03
2603	494135.94, 3860876.85	0.04793	0.04052	0.04922	7.35E-04	2.95E-06	1.32E-03	0.002059	7.51E-04	2.90E-06	1.47E-03	2.22E-03	7.14E-04	3.69E-06	2.82E-03	3.54E-03
2604	494185.94, 3860876.85	0.04782	0.04051	0.04913	7.34E-04	2.95E-06	1.32E-03	0.002054	7.50E-04	2.90E-06	1.47E-03	2.22E-03	7.12E-04	3.68E-06	2.81E-03	3.53E-03
2605	494135.94, 3860926.85	0.04697	0.03967	0.04819	7.21E-04	2.89E-06	1.29E-03	0.002016	7.36E-04	2.84E-06	1.44E-03	2.18E-03	7.00E-04	3.61E-06	2.76E-03	3.46E-03
2606	494185.94, 3860926.85	0.04688	0.03968	0.04814	7.19E-04	2.89E-06	1.29E-03	0.002013	7.35E-04	2.84E-06	1.44E-03	2.17E-03	6.98E-04	3.61E-06	2.76E-03	3.46E-03
2607	494135.94, 3860976.85	0.04604	0.03884	0.0472	7.06E-04	2.83E-06	1.27E-03	0.001975	7.22E-04	2.78E-06	1.41E-03	2.13E-03	6.86E-04	3.53E-06	2.70E-03	3.39E-03
2608	494185.94, 3860976.85	0.04597	0.03886	0.04716	7.05E-04	2.83E-06	1.26E-03	0.001973	7.21E-04	2.78E-06	1.41E-03	2.13E-03	6.85E-04	3.53E-06	2.70E-03	3.39E-03
2609	494135.94, 3861026.85	0.0451	0.03801	0.0462	6.92E-04	2.77E-06	1.24E-03	0.001934	7.07E-04	2.72E-06	1.38E-03	2.09E-03	6.72E-04	3.46E-06	2.65E-03	3.32E-03
2610	494185.94, 3861026.85	0.04505	0.03805	0.04618	6.91E-04	2.77E-06	1.24E-03	0.001933	7.06E-04	2.73E-06	1.38E-03	2.09E-03	6.71E-04	3.46E-06	2.65E-03	3.32E-03
2611	494135.94, 3861076.85	0.04418	0.0372	0.04523	6.78E-04	2.71E-06	1.21E-03	0.001894	6.93E-04	2.67E-06	1.35E-03	2.04E-03	6.58E-04	3.38E-06	2.59E-03	3.25E-03
2612	494185.94, 3861076.85	0.04414	0.03724	0.04522	6.77E-04	2.71E-06	1.21E-03	0.001893	6.92E-04	2.67E-06	1.35E-03	2.04E-03	6.58E-04	3.39E-06	2.59E-03	3.25E-03
2613	490360.04, 3858710.04	0.22965	0.14211	0.21688	3.52E-03	1.03E-05	5.82E-03	0.009351	3.60E-03	1.02E-05	6.47E-03	1.01E-02	3.42E-03	1.29E-05	1.24E-02	1.59E-02
2614	490410.04, 3858710.04	0.22542	0.14147	0.2145	3.46E-03	1.03E-05	5.75E-03	0.009222	3.53E-03	1.01E-05	6.40E-03	9.94E-03	3.36E-03	1.29E-05	1.23E-02	1.57E-02
2615	490460.04, 3858710.04	0.22079	0.14078	0.21202	3.39E-03	1.02E-05	5.69E-03	0.009085	3.46E-03	1.01E-05	6.33E-03	9.80E-03	3.29E-03	1.28E-05	1.21E-02	1.54E-02
2616	490510.04, 3858710.04	0.2168	0.14	0.20948	3.33E-03	1.02E-05	5.62E-03	0.008955	3.40E-03	1.00E-05	6.25E-03	9.66E-03	3.23E-03	1.27E-05	1.20E-02	1.52E-02
2617	490560.04, 3858710.04	0.2131	0.13921	0.20699	3.27E-03	1.01E-05	5.55E-03	0.008832	3.34E-03	9.97E-06	6.17E-03	9.53E-03	3.17E-03	1.27E-05	1.19E-02	1.50E-02
2618	490610.04, 3858710.04	0.20941	0.13837	0.20453	3.21E-03	1.01E-05	5.49E-03	0.008709	3.28E-03	9.91E-06	6.10E-03	9.39E-03	3.12E-03	1.26E-05	1.17E-02	1.48E-02

2619	490660.04, 3858710.04	0.20636	0.13762	0.20217	3.17E-03	1.00E-05	5.42E-03	0.008599	3.24E-03	9.86E-06	6.03E-03	9.28E-03	3.07E-03	1.25E-05	1.16E-02	1.47E-02
2620	490710.04, 3858710.04	0.20256	0.13679	0.19866	3.11E-03	9.96E-06	5.33E-03	0.008446	3.18E-03	9.80E-06	5.93E-03	9.11E-03	3.02E-03	1.24E-05	1.14E-02	1.44E-02
2621	490760.04, 3858710.04	0.19903	0.13498	0.1961	3.05E-03	9.83E-06	5.26E-03	0.008323	3.12E-03	9.67E-06	5.85E-03	8.98E-03	2.96E-03	1.23E-05	1.12E-02	1.42E-02
2622	490810.04, 3858710.04	0.19559	0.13399	0.19354	3.00E-03	9.75E-06	5.19E-03	0.008202	3.07E-03	9.60E-06	5.77E-03	8.85E-03	2.91E-03	1.22E-05	1.11E-02	1.40E-02
2623	490860.04, 3858710.04	0.19182	0.13285	0.19081	2.94E-03	9.67E-06	5.12E-03	0.008071	3.01E-03	9.52E-06	5.69E-03	8.71E-03	2.86E-03	1.21E-05	1.09E-02	1.38E-02
2624	490360.04, 3858760.04	0.22222	0.13686	0.20871	3.41E-03	9.96E-06	5.60E-03	0.009018	3.48E-03	9.81E-06	6.23E-03	9.72E-03	3.31E-03	1.24E-05	1.20E-02	1.53E-02
2625	490410.04, 3858760.04	0.21811	0.1363	0.20662	3.35E-03	9.92E-06	5.54E-03	0.008899	3.42E-03	9.77E-06	6.16E-03	9.59E-03	3.25E-03	1.24E-05	1.18E-02	1.51E-02
2626	490460.04, 3858760.04	0.21395	0.13568	0.20437	3.28E-03	9.88E-06	5.48E-03	0.008774	3.35E-03	9.72E-06	6.10E-03	9.46E-03	3.19E-03	1.23E-05	1.17E-02	1.49E-02
2627	490510.04, 3858760.04	0.2098	0.13497	0.20205	3.22E-03	9.82E-06	5.42E-03	0.008648	3.29E-03	9.67E-06	6.03E-03	9.33E-03	3.13E-03	1.23E-05	1.16E-02	1.47E-02
2628	490560.04, 3858760.04	0.20609	0.13414	0.19978	3.16E-03	9.76E-06	5.36E-03	0.00853	3.23E-03	9.61E-06	5.96E-03	9.20E-03	3.07E-03	1.22E-05	1.14E-02	1.45E-02
2629	490610.04, 3858760.04	0.20237	0.13342	0.1975	3.11E-03	9.71E-06	5.30E-03	0.008412	3.17E-03	9.56E-06	5.89E-03	9.07E-03	3.01E-03	1.21E-05	1.13E-02	1.43E-02
2630	490660.04, 3858760.04	0.19891	0.1327	0.19408	3.05E-03	9.66E-06	5.21E-03	0.008267	3.12E-03	9.51E-06	5.79E-03	8.92E-03	2.96E-03	1.21E-05	1.11E-02	1.41E-02
2631	490710.04, 3858760.04	0.19549	0.13096	0.19168	3.00E-03	9.53E-06	5.14E-03	0.00815	3.07E-03	9.38E-06	5.72E-03	8.79E-03	2.91E-03	1.19E-05	1.10E-02	1.39E-02
2632	490760.04, 3858760.04	0.19187	0.13	0.18917	2.94E-03	9.46E-06	5.07E-03	0.008027	3.01E-03	9.31E-06	5.64E-03	8.66E-03	2.86E-03	1.18E-05	1.08E-02	1.37E-02
2633	490810.04, 3858760.04	0.18844	0.12905	0.18669	2.89E-03	9.39E-06	5.01E-03	0.007908	2.95E-03	9.25E-06	5.57E-03	8.53E-03	2.81E-03	1.17E-05	1.07E-02	1.35E-02
2634	490860.04, 3858760.04	0.18528	0.12812	0.18432	2.84E-03	9.33E-06	4.94E-03	0.007796	2.91E-03	9.18E-06	5.50E-03	8.41E-03	2.76E-03	1.17E-05	1.06E-02	1.33E-02
2635	490360.04, 3858810.04	0.21425	0.13191	0.20075	3.29E-03	9.60E-06	5.38E-03	0.008682	3.36E-03	9.45E-06	5.99E-03	9.36E-03	3.19E-03	1.20E-05	1.15E-02	1.47E-02
2636	490410.04, 3858810.04	0.21029	0.1314	0.19885	3.23E-03	9.56E-06	5.33E-03	0.00857	3.30E-03	9.42E-06	5.93E-03	9.24E-03	3.13E-03	1.20E-05	1.14E-02	1.45E-02
2637	490460.04, 3858810.04	0.20636	0.1308	0.19677	3.17E-03	9.52E-06	5.28E-03	0.008454	3.24E-03	9.37E-06	5.87E-03	9.12E-03	3.07E-03	1.19E-05	1.13E-02	1.44E-02
2638	490510.04, 3858810.04	0.20287	0.13017	0.19472	3.11E-03	9.48E-06	5.22E-03	0.008345	3.18E-03	9.33E-06	5.81E-03	9.00E-03	3.02E-03	1.18E-05	1.12E-02	1.42E-02
2639	490560.04, 3858810.04	0.19936	0.12936	0.19267	3.06E-03	9.42E-06	5.17E-03	0.008236	3.13E-03	9.27E-06	5.75E-03	8.88E-03	2.97E-03	1.18E-05	1.10E-02	1.40E-02
2640	490610.04, 3858810.04	0.19552	0.12867	0.19057	3.00E-03	9.37E-06	5.11E-03	0.008121	3.07E-03	9.22E-06	5.69E-03	8.76E-03	2.91E-03	1.17E-05	1.09E-02	1.38E-02
2641	490660.04, 3858810.04	0.19208	0.12704	0.18716	2.95E-03	9.25E-06	5.02E-03	0.007976	3.01E-03	9.10E-06	5.58E-03	8.60E-03	2.86E-03	1.16E-05	1.07E-02	1.36E-02
2642	490710.04, 3858810.04	0.18854	0.12617	0.1848	2.89E-03	9.18E-06	4.96E-03	0.007859	2.96E-03	9.04E-06	5.51E-03	8.48E-03	2.81E-03	1.15E-05	1.06E-02	1.34E-02
2643	490760.04, 3858810.04	0.18459	0.12514	0.18221	2.83E-03	9.11E-06	4.89E-03	0.007729	2.89E-03	8.97E-06	5.44E-03	8.34E-03	2.75E-03	1.14E-05	1.04E-02	1.32E-02
2644	490810.04, 3858810.04	0.18199	0.12446	0.18021	2.79E-03	9.06E-06	4.83E-03	0.007635	2.85E-03	8.92E-06	5.38E-03	8.24E-03	2.71E-03	1.13E-05	1.03E-02	1.30E-02
2645	490860.04, 3858810.04	0.17858	0.1235	0.1778	2.74E-03	8.99E-06	4.77E-03	0.007518	2.80E-03	8.85E-06	5.30E-03	8.11E-03	2.66E-03	1.12E-05	1.02E-02	1.29E-02
2646	490360.04, 3858860.04	0.20577	0.12725	0.19296	3.16E-03	9.26E-06	5.18E-03	0.008342	3.23E-03	9.12E-06	5.76E-03	8.99E-03	3.07E-03	1.16E-05	1.11E-02	1.41E-02
2647	490410.04, 3858860.04	0.20262	0.12672	0.19115	3.11E-03	9.22E-06	5.13E-03	0.008245	3.18E-03	9.08E-06	5.70E-03	8.89E-03	3.02E-03	1.15E-05	1.09E-02	1.40E-02
2648	490460.04, 3858860.04	0.19877	0.12616	0.18929	3.05E-03	9.18E-06	5.08E-03	0.008136	3.12E-03	9.04E-06	5.65E-03	8.77E-03	2.96E-03	1.15E-05	1.08E-02	1.38E-02
2649	490510.04, 3858860.04	0.19587	0.1256	0.18749	3.01E-03	9.14E-06	5.03E-03	0.008043	3.07E-03	9.00E-06	5.59E-03	8.67E-03	2.92E-03	1.14E-05	1.07E-02	1.37E-02
2650	490560.04, 3858860.04	0.19233	0.12477	0.18562	2.95E-03	9.08E-06	4.98E-03	0.007939	3.02E-03	8.94E-06	5.54E-03	8.56E-03	2.87E-03	1.13E-05	1.06E-02	1.35E-02
2651	490610.04, 3858860.04	0.18829	0.12314	0.18231	2.89E-03	8.96E-06	4.89E-03	0.007788	2.95E-03	8.82E-06	5.44E-03	8.40E-03	2.80E-03	1.12E-05	1.04E-02	1.33E-02
2652	490660.04, 3858860.04	0.18509	0.12239	0.18024	2.84E-03	8.91E-06	4.83E-03	0.007683	2.90E-03	8.77E-06	5.38E-03	8.29E-03	2.76E-03	1.11E-05	1.03E-02	1.31E-02
2653	490710.04, 3858860.04	0.18229	0.12174	0.17829	2.80E-03	8.86E-06	4.78E-03	0.007588	2.86E-03	8.72E-06	5.32E-03	8.19E-03	2.72E-03	1.11E-05	1.02E-02	1.29E-02
2654	490760.04, 3858860.04	0.17859	0.12079	0.17591	2.74E-03	8.79E-06	4.72E-03	0.007467	2.80E-03	8.65E-06	5.25E-03	8.06E-03	2.66E-03	1.10E-05	1.01E-02	1.27E-02
2655	490810.04, 3858860.04	0.17508	0.11986	0.17356	2.69E-03	8.72E-06	4.65E-03	0.00735	2.75E-03	8.59E-06	5.18E-03	7.93E-03	2.61E-03	1.09E-05	9.94E-03	1.26E-02
2656	490860.04, 3858860.04	0.17153	0.11886	0.17111	2.63E-03	8.65E-06	4.59E-03	0.00723	2.69E-03	8.52E-06	5.10E-03	7.80E-03	2.56E-03	1.08E-05	9.80E-03	1.24E-02
2657	490360.04, 3858910.04	0.19837	0.12271	0.18514	3.04E-03	8.93E-06	4.97E-03	0.008018	3.11E-03	8.79E-06	5.52E-03	8.64E-03	2.96E-03	1.12E-05	1.06E-02	1.36E-02
2658	490410.04, 3858910.04	0.1951	0.12227	0.18364	2.99E-03	8.90E-06	4.93E-03	0.007928	3.06E-03	8.76E-06	5.48E-03	8.55E-03	2.91E-03	1.11E-05	1.05E-02	1.34E-02
2659	490460.04, 3858910.04	0.19178	0.12176	0.18201	2.94E-03	8.86E-06	4.88E-03	0.007833	3.01E-03	8.72E-06	5.43E-03	8.45E-03	2.86E-03	1.11E-05	1.04E-02	1.33E-02
2660	490510.04, 3858910.04	0.18838	0.12122	0.18036	2.89E-03	8.82E-06	4.84E-03	0.007737	2.95E-03	8.69E-06	5.38E-03	8.34E-03	2.81E-03	1.10E-05	1.03E-02	1.31E-02
2661	490560.04, 3858910.04	0.18488	0.12032	0.17866	2.84E-03	8.76E-06	4.79E-03	0.007638	2.90E-03	8.62E-06	5.33E-03	8.24E-03	2.75E-03	1.09E-05	1.02E-02	1.30E-02
2662	490610.04, 3858910.04	0.18137	0.1187	0.17542	2.78E-03	8.64E-06	4.70E-03	0.007497	2.84E-03	8.51E-06	5.23E-03	8.09E-03	2.70E-03	1.08E-05	1.00E-02	1.28E-02
2663	490660.04, 3858910.04	0.1783	0.11797	0.17348	2.74E-03	8.59E-06	4.65E-03	0.007397	2.80E-03	8.45E-06	5.18E-03	7.98E-03	2.66E-03	1.07E-05	9.94E-03	1.26E-02
2664	490710.04, 3858910.04	0.17497	0.11714	0.17137	2.68E-03	8.53E-06	4.60E-03	0.00729	2.74E-03	8.39E-06	5.11E-03	7.86E-03	2.61E-03	1.07E-05	9.82E-03	1.24E-02
2665	490760.04, 3858910.04	0.17128	0.11617	0.16904	2.63E-03	8.46E-06	4.53E-03	0.007171	2.69E-03	8.32E-06	5.04E-03	7.74E-03	2.55E-03	1.06E-05	9.68E-03	1.22E-02
2666	490810.04, 3858910.04	0.1683	0.11539	0.167	2.58E-03	8.40E-06	4.48E-03	0.00707	2.64E-03	8.27E-06	4.98E-03	7.63E-03	2.51E-03	1.05E-05	9.57E-03	1.21E-02
2667	490860.04, 3858910.04	0.1646	0.11432	0.16448	2.53E-03	8.32E-06	4.41E-03	0.006946	2.58E-03	8.19E-06	4.91E-03	7.50E-03	2.45E-03	1.04E-05	9.42E-03	1.19E-02
2668	490360.04, 3858960.04	0.19036	0.11847	0.17769	2.92E-03	8.62E-06	4.77E-03	0.007695	2.98E-03	8.49E-06	5.30E-03	8.29E-03	2.84E-03	1.08E-05	1.02E-02	1.30E-02
2669	490410.04, 3858960.04	0.18715	0.11805	0.17631	2.87E-03	8.59E-06	4.73E-03	0.007609	2.93E-03	8.46E-06	5.26E-03	8.20E-03	2.79E-03	1.07E-05	1.01E-02	1.29E-02
2670	490460.04, 3858960.04	0.18384	0.11755	0.17485	2.82E-03	8.56E-06	4.69E-03	0.007519	2.88E-03	8.42E-06	5.22E-03	8.11E-03	2.74E-03	1.07E-05	1.00E-02	1.28E-02
2671	490510.04, 3858960.04	0.1807	0.11667	0.17337	2.77E-03	8.49E-06	4.65E-03	0.007431	2.83E-03	8.36E-06	5.17E-03	8.01E-03	2.69E-03	1.06E-05	9.93E-03	1.26E-02
2672	490560.04, 3858960.04	0.17763	0.1161	0.1705	2.73E-03	8.45E-06	4.57E-03	0.007307	2.79E-03	8.32E-06	5.09E-03	7.88E-03	2.65E-03	1.06E-05	9.77E-03	1.24E-02
2673	490610.04, 3858960.04	0.17401	0.11431	0.16845	2.67E-03	8.32E-06	4.52E-03	0.007196	2.73E-03	8.19E-06	5.03E-03	7.76E-03	2.59E-03	1.04E-05	9.65E-03	1.23E-02
2674	490660.04, 3858960.04	0.17165	0.11376	0.16689	2.63E-03	8.28E-06	4.48E-03	0.007118	2.69E-03	8.15E-06	4.98E-03	7.68E-03	2.56E-03	1.03E-05	9.56E-03	1.21E-02
2675	490710.04, 3858960.04	0.16808	0.11281	0.16473	2.58E-03	8.21E-06	4.42E-03	0.007006	2.64E-03	8.08E-06	4.91E-03	7.56E-03	2.50E-03	1.03E-05	9.44E-03	1.20E-02

2676	490760.04, 3858960.04	0.16479	0.11194	0.16264	2.53E-03	8.15E-06	4.36E-03	0.006899	2.58E-03	8.02E-06	4.85E-03	7.44E-03	2.45E-03	1.02E-05	9.32E-03	1.18E-02
2677	490810.04, 3858960.04	0.16148	0.11101	0.16045	2.48E-03	8.08E-06	4.30E-03	0.006789	2.53E-03	7.95E-06	4.79E-03	7.33E-03	2.41E-03	1.01E-05	9.19E-03	1.16E-02
2678	490860.04, 3858960.04	0.15773	0.10986	0.15789	2.42E-03	8.00E-06	4.23E-03	0.006663	2.47E-03	7.87E-06	4.71E-03	7.19E-03	2.35E-03	9.99E-06	9.04E-03	1.14E-02
2679	490360.04, 3859010.04	0.18249	0.11443	0.17049	2.80E-03	8.33E-06	4.57E-03	0.007381	2.86E-03	8.20E-06	5.09E-03	7.96E-03	2.72E-03	1.04E-05	9.77E-03	1.25E-02
2680	490410.04, 3859010.04	0.17939	0.11402	0.16924	2.75E-03	8.30E-06	4.54E-03	0.0073	2.81E-03	8.17E-06	5.05E-03	7.87E-03	2.67E-03	1.04E-05	9.69E-03	1.24E-02
2681	490460.04, 3859010.04	0.17592	0.11314	0.1679	2.70E-03	8.24E-06	4.50E-03	0.007211	2.76E-03	8.11E-06	5.01E-03	7.78E-03	2.62E-03	1.03E-05	9.62E-03	1.22E-02
2682	490510.04, 3859010.04	0.1725	0.11165	0.16501	2.65E-03	8.13E-06	4.43E-03	0.007081	2.70E-03	8.00E-06	4.92E-03	7.64E-03	2.57E-03	1.02E-05	9.45E-03	1.20E-02
2683	490560.04, 3859010.04	0.17008	0.11104	0.16356	2.61E-03	8.08E-06	4.39E-03	0.007005	2.67E-03	7.96E-06	4.88E-03	7.55E-03	2.53E-03	1.01E-05	9.37E-03	1.19E-02
2684	490610.04, 3859010.04	0.16672	0.11011	0.16163	2.56E-03	8.02E-06	4.33E-03	0.006901	2.61E-03	7.89E-06	4.82E-03	7.44E-03	2.48E-03	1.00E-05	9.26E-03	1.18E-02
2685	490660.04, 3859010.04	0.16462	0.1096	0.16025	2.53E-03	7.98E-06	4.30E-03	0.006832	2.58E-03	7.85E-06	4.78E-03	7.37E-03	2.45E-03	9.97E-06	9.18E-03	1.16E-02
2686	490710.04, 3859010.04	0.1611	0.10861	0.15815	2.47E-03	7.91E-06	4.24E-03	0.006722	2.53E-03	7.78E-06	4.72E-03	7.25E-03	2.40E-03	9.88E-06	9.06E-03	1.15E-02
2687	490760.04, 3859010.04	0.15782	0.10767	0.15607	2.42E-03	7.84E-06	4.19E-03	0.006615	2.47E-03	7.71E-06	4.66E-03	7.14E-03	2.35E-03	9.79E-06	8.94E-03	1.13E-02
2688	490810.04, 3859010.04	0.15447	0.10666	0.15384	2.37E-03	7.76E-06	4.13E-03	0.006504	2.42E-03	7.64E-06	4.59E-03	7.02E-03	2.30E-03	9.70E-06	8.81E-03	1.11E-02
2689	490860.04, 3859010.04	0.15135	0.10568	0.15164	2.32E-03	7.69E-06	4.07E-03	0.006397	2.37E-03	7.57E-06	4.52E-03	6.90E-03	2.25E-03	9.61E-06	8.69E-03	1.10E-02
2690	490360.04, 3859060.04	0.1746	0.11057	0.16355	2.68E-03	8.05E-06	4.39E-03	0.007074	2.74E-03	7.92E-06	4.88E-03	7.62E-03	2.60E-03	1.01E-05	9.37E-03	1.20E-02
2691	490410.04, 3859060.04	0.17119	0.1098	0.16239	2.63E-03	7.99E-06	4.36E-03	0.00699	2.68E-03	7.87E-06	4.84E-03	7.54E-03	2.55E-03	9.99E-06	9.30E-03	1.19E-02
2692	490460.04, 3859060.04	0.16816	0.10924	0.16121	2.58E-03	7.95E-06	4.32E-03	0.006912	2.64E-03	7.83E-06	4.81E-03	7.45E-03	2.51E-03	9.94E-06	9.23E-03	1.17E-02
2693	490510.04, 3859060.04	0.16534	0.10782	0.15836	2.54E-03	7.85E-06	4.25E-03	0.006792	2.59E-03	7.73E-06	4.72E-03	7.32E-03	2.46E-03	9.81E-06	9.07E-03	1.15E-02
2694	490560.04, 3859060.04	0.16212	0.10689	0.15657	2.49E-03	7.78E-06	4.20E-03	0.006695	2.54E-03	7.66E-06	4.67E-03	7.22E-03	2.42E-03	9.72E-06	8.97E-03	1.14E-02
2695	490610.04, 3859060.04	0.15967	0.10618	0.15509	2.45E-03	7.73E-06	4.16E-03	0.006617	2.50E-03	7.61E-06	4.63E-03	7.14E-03	2.38E-03	9.66E-06	8.88E-03	1.13E-02
2696	490660.04, 3859060.04	0.15732	0.10552	0.15363	2.41E-03	7.68E-06	4.12E-03	0.006542	2.47E-03	7.56E-06	4.58E-03	7.06E-03	2.34E-03	9.60E-06	8.80E-03	1.12E-02
2697	490710.04, 3859060.04	0.15391	0.10448	0.15156	2.36E-03	7.61E-06	4.06E-03	0.006434	2.41E-03	7.49E-06	4.52E-03	6.94E-03	2.29E-03	9.50E-06	8.68E-03	1.10E-02
2698	490760.04, 3859060.04	0.15073	0.10348	0.1495	2.31E-03	7.53E-06	4.01E-03	0.00633	2.36E-03	7.41E-06	4.46E-03	6.83E-03	2.25E-03	9.41E-06	8.56E-03	1.08E-02
2699	490810.04, 3859060.04	0.14744	0.10239	0.14726	2.26E-03	7.45E-06	3.95E-03	0.00622	2.31E-03	7.34E-06	4.39E-03	6.71E-03	2.20E-03	9.31E-06	8.44E-03	1.06E-02
2700	490860.04, 3859060.04	0.14439	0.10135	0.14507	2.22E-03	7.38E-06	3.89E-03	0.006114	2.26E-03	7.26E-06	4.33E-03	6.60E-03	2.15E-03	9.22E-06	8.31E-03	1.05E-02
2701	490360.04, 3859110.04	0.16725	0.10683	0.15692	2.57E-03	7.78E-06	4.21E-03	0.006783	2.62E-03	7.65E-06	4.68E-03	7.31E-03	2.49E-03	9.72E-06	8.99E-03	1.15E-02
2702	490410.04, 3859110.04	0.16413	0.10614	0.15592	2.52E-03	7.73E-06	4.18E-03	0.006708	2.57E-03	7.61E-06	4.65E-03	7.23E-03	2.45E-03	9.65E-06	8.93E-03	1.14E-02
2703	490460.04, 3859110.04	0.16163	0.10567	0.15491	2.48E-03	7.69E-06	4.15E-03	0.006643	2.53E-03	7.57E-06	4.62E-03	7.16E-03	2.41E-03	9.61E-06	8.87E-03	1.13E-02
2704	490510.04, 3859110.04	0.15781	0.10407	0.15176	2.42E-03	7.58E-06	4.07E-03	0.006499	2.47E-03	7.46E-06	4.53E-03	7.01E-03	2.35E-03	9.47E-06	8.69E-03	1.11E-02
2705	490560.04, 3859110.04	0.15506	0.10322	0.15019	2.38E-03	7.51E-06	4.03E-03	0.006415	2.43E-03	7.40E-06	4.48E-03	6.92E-03	2.31E-03	9.39E-06	8.60E-03	1.09E-02
2706	490610.04, 3859110.04	0.15205	0.10227	0.14845	2.33E-03	7.44E-06	3.98E-03	0.006322	2.38E-03	7.33E-06	4.43E-03	6.82E-03	2.27E-03	9.30E-06	8.50E-03	1.08E-02
2707	490660.04, 3859110.04	0.14868	0.10115	0.14641	2.28E-03	7.36E-06	3.93E-03	0.006216	2.33E-03	7.25E-06	4.37E-03	6.71E-03	2.21E-03	9.20E-06	8.39E-03	1.06E-02
2708	490710.04, 3859110.04	0.14639	0.10038	0.14488	2.25E-03	7.31E-06	3.89E-03	0.006139	2.30E-03	7.19E-06	4.32E-03	6.62E-03	2.18E-03	9.13E-06	8.30E-03	1.05E-02
2709	490760.04, 3859110.04	0.14355	0.09938	0.14296	2.20E-03	7.23E-06	3.83E-03	0.006044	2.25E-03	7.12E-06	4.26E-03	6.52E-03	2.14E-03	9.04E-06	8.19E-03	1.03E-02
2710	490810.04, 3859110.04	0.14018	0.09813	0.14059	2.15E-03	7.14E-06	3.77E-03	0.005929	2.20E-03	7.03E-06	4.19E-03	6.40E-03	2.09E-03	8.93E-06	8.05E-03	1.02E-02
2711	490860.04, 3859110.04	0.13686	0.09682	0.13811	2.10E-03	7.05E-06	3.70E-03	0.005811	2.15E-03	6.94E-06	4.12E-03	6.27E-03	2.04E-03	8.81E-06	7.91E-03	9.96E-03
2712	490360.04, 3859160.04	0.16027	0.10319	0.1506	2.46E-03	7.51E-06	4.04E-03	0.006506	2.51E-03	7.39E-06	4.49E-03	7.01E-03	2.39E-03	9.39E-06	8.63E-03	1.10E-02
2713	490410.04, 3859160.04	0.15757	0.10293	0.14977	2.42E-03	7.49E-06	4.02E-03	0.006442	2.47E-03	7.38E-06	4.47E-03	6.95E-03	2.35E-03	9.36E-06	8.58E-03	1.09E-02
2714	490460.04, 3859160.04	0.15494	0.10221	0.14886	2.38E-03	7.44E-06	3.99E-03	0.006378	2.43E-03	7.32E-06	4.44E-03	6.88E-03	2.31E-03	9.30E-06	8.53E-03	1.08E-02
2715	490510.04, 3859160.04	0.15216	0.10102	0.14622	2.33E-03	7.35E-06	3.92E-03	0.006264	2.39E-03	7.24E-06	4.36E-03	6.76E-03	2.27E-03	9.19E-06	8.38E-03	1.07E-02
2716	490560.04, 3859160.04	0.14882	0.1	0.14442	2.28E-03	7.28E-06	3.87E-03	0.006164	2.33E-03	7.17E-06	4.31E-03	6.65E-03	2.22E-03	9.10E-06	8.27E-03	1.05E-02
2717	490610.04, 3859160.04	0.14632	0.09917	0.14295	2.25E-03	7.22E-06	3.83E-03	0.006087	2.29E-03	7.11E-06	4.26E-03	6.57E-03	2.18E-03	9.02E-06	8.19E-03	1.04E-02
2718	490660.04, 3859160.04	0.14156	0.09747	0.14012	2.17E-03	7.10E-06	3.76E-03	0.005937	2.22E-03	6.98E-06	4.18E-03	6.41E-03	2.11E-03	8.87E-06	8.03E-03	1.01E-02
2719	490710.04, 3859160.04	0.13926	0.09658	0.13853	2.14E-03	7.03E-06	3.72E-03	0.005859	2.18E-03	6.92E-06	4.13E-03	6.32E-03	2.07E-03	8.79E-06	7.94E-03	1.00E-02
2720	490760.04, 3859160.04	0.13537	0.09498	0.13581	2.08E-03	6.91E-06	3.64E-03	0.005727	2.12E-03	6.81E-06	4.05E-03	6.18E-03	2.02E-03	8.64E-06	7.78E-03	9.81E-03
2721	490810.04, 3859160.04	0.13299	0.094	0.134	2.04E-03	6.84E-06	3.59E-03	0.005642	2.09E-03	6.74E-06	4.00E-03	6.09E-03	1.98E-03	8.55E-06	7.68E-03	9.67E-03
2722	490860.04, 3859160.04	0.13037	0.09288	0.13194	2.00E-03	6.76E-06	3.54E-03	0.005546	2.04E-03	6.66E-06	3.94E-03	5.99E-03	1.94E-03	8.45E-06	7.56E-03	9.51E-03
2723	490360.04, 3859210.04	0.15346	0.09961	0.14455	2.35E-03	7.25E-06	3.88E-03	0.006239	2.41E-03	7.14E-06	4.31E-03	6.73E-03	2.29E-03	9.06E-06	8.28E-03	1.06E-02
2724	490410.04, 3859210.04	0.15177	0.09948	0.14392	2.33E-03	7.24E-06	3.86E-03	0.006196	2.38E-03	7.13E-06	4.29E-03	6.68E-03	2.26E-03	9.05E-06	8.24E-03	1.05E-02
2725	490460.04, 3859210.04	0.14857	0.09887	0.14309	2.28E-03	7.20E-06	3.84E-03	0.006125	2.33E-03	7.08E-06	4.27E-03	6.61E-03	2.21E-03	8.99E-06	8.20E-03	1.04E-02
2726	490510.04, 3859210.04	0.14587	0.09789	0.14061	2.24E-03	7.13E-06	3.77E-03	0.006017	2.29E-03	7.01E-06	4.19E-03	6.49E-03	2.17E-03	8.90E-06	8.05E-03	1.02E-02
2727	490560.04, 3859210.04	0.14378	0.09725	0.13942	2.21E-03	7.08E-06	3.74E-03	0.005953	2.25E-03	6.97E-06	4.16E-03	6.42E-03	2.14E-03	8.85E-06	7.99E-03	1.01E-02
2728	490610.04, 3859210.04	0.14097	0.09634	0.13783	2.16E-03	7.01E-06	3.70E-03	0.005867	2.21E-03	6.90E-06	4.11E-03	6.33E-03	2.10E-03	8.76E-06	7.90E-03	1.00E-02
2729	490660.04, 3859210.04	0.13687	0.09492	0.13548	2.10E-03	6.91E-06	3.63E-03	0.005741	2.15E-03	6.80E-06	4.04E-03	6.19E-03	2.04E-03	8.63E-06	7.76E-03	9.81E-03
2730	490710.04, 3859210.04	0.1342	0.0939	0.13379	2.06E-03	6.84E-06	3.59E-03	0.005654	2.10E-03	6.73E-06	3.99E-03	6.10E-03	2.00E-03	8.54E-06	7.66E-03	9.67E-03
2731	490760.04, 3859210.04	0.13041	0.09216	0.13097	2.00E-03	6.71E-06	3.51E-03	0.005521	2.04E-03	6.60E-06	3.91E-03	5.96E-03	1.94E-03	8.38E-06	7.50E-03	9.45E-03
2732	490810.04, 3859210.04	0.12942	0.09172	0.13015	1.99E-03	6.68E-06	3.49E-03	0.005483	2.03E-03	6.57E-06	3.88E-03	5.92E-03	1.93E-03	8.34E-06	7.46E-03	9.39E-03

2733	490860.04, 3859210.04	0.12827	0.09124	0.12921	1.97E-03	6.64E-06	3.47E-03	0.00544	2.01E-03	6.54E-06	3.85E-03	5.87E-03	1.91E-03	8.30E-06	7.40E-03	9.32E-03
2734	490360.04, 3859260.04	0.14668	0.09608	0.13875	2.25E-03	6.99E-06	3.72E-03	0.005979	2.30E-03	6.88E-06	4.14E-03	6.45E-03	2.19E-03	8.74E-06	7.95E-03	1.01E-02
2735	490410.04, 3859260.04	0.145	0.09604	0.13824	2.23E-03	6.99E-06	3.71E-03	0.00594	2.27E-03	6.88E-06	4.12E-03	6.40E-03	2.16E-03	8.74E-06	7.92E-03	1.01E-02
2736	490460.04, 3859260.04	0.14348	0.09592	0.13767	2.20E-03	6.98E-06	3.69E-03	0.005901	2.25E-03	6.87E-06	4.11E-03	6.36E-03	2.14E-03	8.73E-06	7.89E-03	1.00E-02
2737	490510.04, 3859260.04	0.14187	0.09547	0.13705	2.18E-03	6.95E-06	3.68E-03	0.00586	2.22E-03	6.84E-06	4.09E-03	6.32E-03	2.11E-03	8.68E-06	7.85E-03	9.97E-03
2738	490560.04, 3859260.04	0.13959	0.09471	0.13495	2.14E-03	6.89E-06	3.62E-03	0.005768	2.19E-03	6.79E-06	4.03E-03	6.22E-03	2.08E-03	8.62E-06	7.73E-03	9.82E-03
2739	490610.04, 3859260.04	0.13634	0.09379	0.13322	2.09E-03	6.83E-06	3.57E-03	0.005672	2.14E-03	6.72E-06	3.97E-03	6.12E-03	2.03E-03	8.53E-06	7.63E-03	9.67E-03
2740	490660.04, 3859260.04	0.13524	0.09336	0.13247	2.08E-03	6.80E-06	3.55E-03	0.005635	2.12E-03	6.69E-06	3.95E-03	6.08E-03	2.01E-03	8.49E-06	7.59E-03	9.61E-03
2741	490710.04, 3859260.04	0.13314	0.09267	0.13129	2.04E-03	6.75E-06	3.52E-03	0.005571	2.09E-03	6.64E-06	3.92E-03	6.01E-03	1.98E-03	8.43E-06	7.52E-03	9.51E-03
2742	490760.04, 3859260.04	0.12958	0.09123	0.12897	1.99E-03	6.64E-06	3.46E-03	0.005454	2.03E-03	6.54E-06	3.85E-03	5.89E-03	1.93E-03	8.30E-06	7.39E-03	9.33E-03
2743	490810.04, 3859260.04	0.12823	0.09062	0.12796	1.97E-03	6.60E-06	3.43E-03	0.005406	2.01E-03	6.49E-06	3.82E-03	5.83E-03	1.91E-03	8.24E-06	7.33E-03	9.25E-03
2744	490860.04, 3859260.04	0.12685	0.09001	0.12692	1.95E-03	6.55E-06	3.40E-03	0.005357	1.99E-03	6.45E-06	3.79E-03	5.78E-03	1.89E-03	8.19E-06	7.27E-03	9.17E-03
2745	490360.04, 3859310.04	0.14083	0.09249	0.13302	2.16E-03	6.73E-06	3.57E-03	0.005735	2.21E-03	6.63E-06	3.97E-03	6.18E-03	2.10E-03	8.41E-06	7.62E-03	9.73E-03
2746	490410.04, 3859310.04	0.13941	0.09263	0.13281	2.14E-03	6.74E-06	3.56E-03	0.005708	2.19E-03	6.64E-06	3.96E-03	6.15E-03	2.08E-03	8.43E-06	7.61E-03	9.69E-03
2747	490460.04, 3859310.04	0.13804	0.09264	0.13238	2.12E-03	6.74E-06	3.55E-03	0.005675	2.16E-03	6.64E-06	3.95E-03	6.12E-03	2.06E-03	8.43E-06	7.58E-03	9.65E-03
2748	490510.04, 3859310.04	0.13684	0.09258	0.13191	2.10E-03	6.74E-06	3.54E-03	0.005644	2.15E-03	6.63E-06	3.94E-03	6.09E-03	2.04E-03	8.42E-06	7.56E-03	9.60E-03
2749	490560.04, 3859310.04	0.13548	0.0922	0.13139	2.08E-03	6.71E-06	3.52E-03	0.00561	2.12E-03	6.61E-06	3.92E-03	6.05E-03	2.02E-03	8.39E-06	7.53E-03	9.55E-03
2750	490610.04, 3859310.04	0.13425	0.092	0.13085	2.06E-03	6.70E-06	3.51E-03	0.005576	2.10E-03	6.59E-06	3.90E-03	6.02E-03	2.00E-03	8.37E-06	7.50E-03	9.50E-03
2751	490660.04, 3859310.04	0.13263	0.09134	0.12896	2.04E-03	6.65E-06	3.46E-03	0.005501	2.08E-03	6.54E-06	3.85E-03	5.93E-03	1.98E-03	8.31E-06	7.39E-03	9.37E-03
2752	490710.04, 3859310.04	0.12969	0.09047	0.12736	1.99E-03	6.59E-06	3.42E-03	0.005413	2.03E-03	6.48E-06	3.80E-03	5.84E-03	1.93E-03	8.23E-06	7.30E-03	9.24E-03
2753	490760.04, 3859310.04	0.12769	0.08975	0.12615	1.96E-03	6.53E-06	3.38E-03	0.005349	2.00E-03	6.43E-06	3.76E-03	5.77E-03	1.90E-03	8.16E-06	7.23E-03	9.14E-03
2754	490810.04, 3859310.04	0.12638	0.0892	0.12524	1.94E-03	6.49E-06	3.36E-03	0.005305	1.98E-03	6.39E-06	3.74E-03	5.72E-03	1.88E-03	8.11E-06	7.17E-03	9.07E-03
2755	490860.04, 3859310.04	0.12443	0.08839	0.12395	1.91E-03	6.43E-06	3.32E-03	0.00524	1.95E-03	6.33E-06	3.70E-03	5.66E-03	1.85E-03	8.04E-06	7.10E-03	8.96E-03
2756	490360.04, 3859360.04	0.1352	0.08886	0.12738	2.07E-03	6.47E-06	3.42E-03	0.005498	2.12E-03	6.37E-06	3.80E-03	5.93E-03	2.01E-03	8.08E-06	7.30E-03	9.32E-03
2757	490410.04, 3859360.04	0.13428	0.08911	0.12731	2.06E-03	6.49E-06	3.41E-03	0.005482	2.11E-03	6.38E-06	3.80E-03	5.91E-03	2.00E-03	8.11E-06	7.29E-03	9.30E-03
2758	490460.04, 3859360.04	0.13335	0.08928	0.12715	2.05E-03	6.50E-06	3.41E-03	0.005463	2.09E-03	6.40E-06	3.79E-03	5.89E-03	1.99E-03	8.12E-06	7.28E-03	9.28E-03
2759	490510.04, 3859360.04	0.13236	0.08938	0.12692	2.03E-03	6.51E-06	3.40E-03	0.005442	2.08E-03	6.40E-06	3.79E-03	5.87E-03	1.97E-03	8.13E-06	7.27E-03	9.25E-03
2760	490560.04, 3859360.04	0.13107	0.08941	0.12656	2.01E-03	6.51E-06	3.39E-03	0.005412	2.06E-03	6.41E-06	3.78E-03	5.84E-03	1.95E-03	8.13E-06	7.25E-03	9.21E-03
2761	490610.04, 3859360.04	0.1297	0.08934	0.12611	1.99E-03	6.50E-06	3.38E-03	0.005379	2.03E-03	6.40E-06	3.76E-03	5.80E-03	1.93E-03	8.13E-06	7.22E-03	9.16E-03
2762	490660.04, 3859360.04	0.12845	0.08894	0.12563	1.97E-03	6.47E-06	3.37E-03	0.005347	2.01E-03	6.37E-06	3.75E-03	5.77E-03	1.91E-03	8.09E-06	7.20E-03	9.12E-03
2763	490710.04, 3859360.04	0.12668	0.08834	0.1238	1.94E-03	6.43E-06	3.32E-03	0.005271	1.99E-03	6.33E-06	3.69E-03	5.69E-03	1.89E-03	8.04E-06	7.09E-03	8.99E-03
2764	490760.04, 3859360.04	0.12466	0.08774	0.12264	1.91E-03	6.39E-06	3.29E-03	0.005209	1.95E-03	6.29E-06	3.66E-03	5.62E-03	1.86E-03	7.98E-06	7.03E-03	8.89E-03
2765	490810.04, 3859360.04	0.12391	0.08743	0.12209	1.90E-03	6.36E-06	3.27E-03	0.005182	1.94E-03	6.26E-06	3.64E-03	5.59E-03	1.85E-03	7.95E-06	6.99E-03	8.85E-03
2766	490860.04, 3859360.04	0.12243	0.08687	0.12115	1.88E-03	6.32E-06	3.25E-03	0.005134	1.92E-03	6.22E-06	3.61E-03	5.54E-03	1.82E-03	7.90E-06	6.94E-03	8.77E-03
2767	490360.04, 3859410.04	0.12966	0.08521	0.12179	1.99E-03	6.20E-06	3.27E-03	0.005262	2.03E-03	6.11E-06	3.63E-03	5.67E-03	1.93E-03	7.75E-06	6.98E-03	8.92E-03
2768	490410.04, 3859410.04	0.12901	0.08556	0.12188	1.98E-03	6.23E-06	3.27E-03	0.005255	2.02E-03	6.13E-06	3.64E-03	5.66E-03	1.92E-03	7.78E-06	6.98E-03	8.91E-03
2769	490460.04, 3859410.04	0.12832	0.08585	0.12189	1.97E-03	6.25E-06	3.27E-03	0.005244	2.01E-03	6.15E-06	3.64E-03	5.65E-03	1.91E-03	7.81E-06	6.98E-03	8.90E-03
2770	490510.04, 3859410.04	0.12754	0.08609	0.12185	1.96E-03	6.27E-06	3.27E-03	0.005231	2.00E-03	6.17E-06	3.64E-03	5.64E-03	1.90E-03	7.83E-06	6.98E-03	8.89E-03
2771	490560.04, 3859410.04	0.12672	0.08625	0.12173	1.94E-03	6.28E-06	3.26E-03	0.005216	1.99E-03	6.18E-06	3.63E-03	5.62E-03	1.89E-03	7.85E-06	6.97E-03	8.87E-03
2772	490610.04, 3859410.04	0.1258	0.08635	0.12153	1.93E-03	6.29E-06	3.26E-03	0.005196	1.97E-03	6.19E-06	3.63E-03	5.60E-03	1.87E-03	7.85E-06	6.96E-03	8.84E-03
2773	490660.04, 3859410.04	0.1245	0.08636	0.12118	1.91E-03	6.29E-06	3.25E-03	0.005167	1.95E-03	6.19E-06	3.62E-03	5.57E-03	1.85E-03	7.86E-06	6.94E-03	8.80E-03
2774	490710.04, 3859410.04	0.12321	0.08605	0.12077	1.89E-03	6.26E-06	3.24E-03	0.005136	1.93E-03	6.17E-06	3.60E-03	5.54E-03	1.84E-03	7.83E-06	6.92E-03	8.76E-03
2775	490760.04, 3859410.04	0.1215	0.08557	0.11915	1.86E-03	6.23E-06	3.20E-03	0.005066	1.91E-03	6.13E-06	3.55E-03	5.47E-03	1.81E-03	7.78E-06	6.83E-03	8.64E-03
2776	490810.04, 3859410.04	0.1207	0.08531	0.11858	1.85E-03	6.21E-06	3.18E-03	0.005039	1.89E-03	6.11E-06	3.54E-03	5.44E-03	1.80E-03	7.76E-06	6.79E-03	8.60E-03
2777	490860.04, 3859410.04	0.12016	0.08511	0.11816	1.84E-03	6.20E-06	3.17E-03	0.005019	1.88E-03	6.10E-06	3.52E-03	5.42E-03	1.79E-03	7.74E-06	6.77E-03	8.57E-03
2778	490360.04, 3859460.04	0.12419	0.08165	0.11637	1.91E-03	5.94E-06	3.12E-03	0.005033	1.95E-03	5.85E-06	3.47E-03	5.42E-03	1.85E-03	7.43E-06	6.67E-03	8.52E-03
2779	490410.04, 3859460.04	0.12373	0.08211	0.11666	1.90E-03	5.98E-06	3.13E-03	0.005034	1.94E-03	5.88E-06	3.48E-03	5.43E-03	1.84E-03	7.47E-06	6.68E-03	8.53E-03
2780	490460.04, 3859460.04	0.12322	0.08247	0.1168	1.89E-03	6.00E-06	3.13E-03	0.005029	1.93E-03	5.91E-06	3.48E-03	5.42E-03	1.84E-03	7.50E-06	6.69E-03	8.53E-03
2781	490510.04, 3859460.04	0.12267	0.0828	0.11689	1.88E-03	6.03E-06	3.14E-03	0.005023	1.92E-03	5.93E-06	3.49E-03	5.42E-03	1.83E-03	7.53E-06	6.70E-03	8.53E-03
2782	490560.04, 3859460.04	0.12207	0.08306	0.1169	1.87E-03	6.05E-06	3.14E-03	0.005015	1.91E-03	5.95E-06	3.49E-03	5.41E-03	1.82E-03	7.56E-06	6.70E-03	8.52E-03
2783	490610.04, 3859460.04	0.12134	0.08329	0.11688	1.86E-03	6.06E-06	3.13E-03	0.005003	1.90E-03	5.97E-06	3.49E-03	5.40E-03	1.81E-03	7.58E-06	6.70E-03	8.51E-03
2784	490660.04, 3859460.04	0.12048	0.08345	0.11679	1.85E-03	6.07E-06	3.13E-03	0.004987	1.89E-03	5.98E-06	3.48E-03	5.38E-03	1.79E-03	7.59E-06	6.69E-03	8.49E-03
2785	490710.04, 3859460.04	0.11969	0.08351	0.11654	1.84E-03	6.08E-06	3.13E-03	0.004968	1.88E-03	5.98E-06	3.48E-03	5.36E-03	1.78E-03	7.60E-06	6.68E-03	8.47E-03
2786	490760.04, 3859460.04	0.11871	0.0835	0.11622	1.82E-03	6.08E-06	3.12E-03	0.004945	1.86E-03	5.98E-06	3.47E-03	5.33E-03	1.77E-03	7.60E-06	6.66E-03	8.43E-03
2787	490810.04, 3859460.04	0.11767	0.08319	0.11585	1.81E-03	6.06E-06	3.11E-03	0.004919	1.84E-03	5.96E-06	3.46E-03	5.31E-03	1.75E-03	7.57E-06	6.64E-03	8.40E-03
2788	490860.04, 3859460.04	0.11705	0.08308	0.11551	1.80E-03	6.05E-06	3.10E-03	0.0049	1.84E-03	5.95E-06	3.45E-03	5.29E-03	1.74E-03	7.56E-06	6.62E-03	8.37E-03
2789	490360.04, 3859510.04	0.11883	0.07824	0.11114	1.82E-03	5.70E-06	2.98E-03	0.00481	1.86E-03	5.61E-06	3.32E-03	5.18E-03	1.77E-03	7.12E-06	6.37E-03	8.14E-03

2790	490410.04, 3859510.04	0.11858	0.07868	0.11146	1.82E-03	5.73E-06	2.99E-03	0.004815	1.86E-03	5.64E-06	3.33E-03	5.19E-03	1.77E-03	7.16E-06	6.38E-03	8.16E-03
2791	490460.04, 3859510.04	0.11825	0.07913	0.11178	1.81E-03	5.76E-06	3.00E-03	0.004818	1.85E-03	5.67E-06	3.33E-03	5.19E-03	1.76E-03	7.20E-06	6.40E-03	8.17E-03
2792	490510.04, 3859510.04	0.11787	0.07952	0.112	1.81E-03	5.79E-06	3.00E-03	0.004818	1.85E-03	5.70E-06	3.34E-03	5.20E-03	1.76E-03	7.23E-06	6.42E-03	8.18E-03
2793	490560.04, 3859510.04	0.11743	0.07987	0.11216	1.80E-03	5.81E-06	3.01E-03	0.004816	1.84E-03	5.72E-06	3.35E-03	5.19E-03	1.75E-03	7.27E-06	6.43E-03	8.18E-03
2794	490610.04, 3859510.04	0.11694	0.08019	0.11228	1.79E-03	5.84E-06	3.01E-03	0.004812	1.83E-03	5.75E-06	3.35E-03	5.19E-03	1.74E-03	7.29E-06	6.43E-03	8.18E-03
2795	490660.04, 3859510.04	0.11636	0.08045	0.11231	1.79E-03	5.86E-06	3.01E-03	0.004804	1.82E-03	5.76E-06	3.35E-03	5.18E-03	1.73E-03	7.32E-06	6.43E-03	8.17E-03
2796	490710.04, 3859510.04	0.11569	0.08065	0.11228	1.78E-03	5.87E-06	3.01E-03	0.004793	1.81E-03	5.78E-06	3.35E-03	5.17E-03	1.72E-03	7.34E-06	6.43E-03	8.16E-03
2797	490760.04, 3859510.04	0.11498	0.08077	0.11215	1.76E-03	5.88E-06	3.01E-03	0.004778	1.80E-03	5.79E-06	3.35E-03	5.15E-03	1.71E-03	7.35E-06	6.42E-03	8.14E-03
2798	490810.04, 3859510.04	0.11434	0.08082	0.11191	1.75E-03	5.88E-06	3.00E-03	0.004762	1.79E-03	5.79E-06	3.34E-03	5.14E-03	1.70E-03	7.35E-06	6.41E-03	8.12E-03
2799	490860.04, 3859510.04	0.11358	0.08081	0.11164	1.74E-03	5.88E-06	2.99E-03	0.004743	1.78E-03	5.79E-06	3.33E-03	5.12E-03	1.69E-03	7.35E-06	6.40E-03	8.09E-03
2800	490360.04, 3859560.04	0.11344	0.07498	0.10604	1.74E-03	5.46E-06	2.84E-03	0.00459	1.78E-03	5.37E-06	3.16E-03	4.95E-03	1.69E-03	6.82E-06	6.07E-03	7.77E-03
2801	490410.04, 3859560.04	0.11344	0.07542	0.10645	1.74E-03	5.49E-06	2.86E-03	0.004601	1.78E-03	5.40E-06	3.18E-03	4.96E-03	1.69E-03	6.86E-06	6.10E-03	7.79E-03
2802	490460.04, 3859560.04	0.11335	0.07587	0.10684	1.74E-03	5.52E-06	2.87E-03	0.00461	1.78E-03	5.44E-06	3.19E-03	4.97E-03	1.69E-03	6.90E-06	6.12E-03	7.82E-03
2803	490510.04, 3859560.04	0.11315	0.07635	0.10726	1.74E-03	5.56E-06	2.88E-03	0.004619	1.77E-03	5.47E-06	3.20E-03	4.98E-03	1.69E-03	6.94E-06	6.14E-03	7.84E-03
2804	490560.04, 3859560.04	0.11288	0.07672	0.10748	1.73E-03	5.58E-06	2.88E-03	0.00462	1.77E-03	5.50E-06	3.21E-03	4.98E-03	1.68E-03	6.98E-06	6.16E-03	7.85E-03
2805	490610.04, 3859560.04	0.11255	0.07711	0.10772	1.73E-03	5.61E-06	2.89E-03	0.004622	1.76E-03	5.53E-06	3.21E-03	4.98E-03	1.68E-03	7.01E-06	6.17E-03	7.85E-03
2806	490660.04, 3859560.04	0.11217	0.07744	0.10789	1.72E-03	5.64E-06	2.89E-03	0.004621	1.76E-03	5.55E-06	3.22E-03	4.98E-03	1.67E-03	7.04E-06	6.18E-03	7.86E-03
2807	490710.04, 3859560.04	0.11171	0.07774	0.108	1.71E-03	5.66E-06	2.90E-03	0.004616	1.75E-03	5.57E-06	3.22E-03	4.98E-03	1.66E-03	7.07E-06	6.19E-03	7.86E-03
2808	490760.04, 3859560.04	0.11112	0.07799	0.10806	1.71E-03	5.68E-06	2.90E-03	0.004609	1.74E-03	5.59E-06	3.22E-03	4.97E-03	1.66E-03	7.09E-06	6.19E-03	7.85E-03
2809	490810.04, 3859560.04	0.11053	0.07814	0.108	1.70E-03	5.69E-06	2.90E-03	0.004598	1.73E-03	5.60E-06	3.22E-03	4.96E-03	1.65E-03	7.11E-06	6.19E-03	7.84E-03
2810	490860.04, 3859560.04	0.10987	0.07824	0.10782	1.69E-03	5.70E-06	2.89E-03	0.004583	1.72E-03	5.61E-06	3.22E-03	4.94E-03	1.64E-03	7.12E-06	6.18E-03	7.82E-03
2811	490187.25, 3859422.08	0.12993	0.08273	0.11946	1.99E-03	6.02E-06	3.20E-03	0.005204	2.04E-03	5.93E-06	3.56E-03	5.61E-03	1.94E-03	7.53E-06	6.84E-03	8.79E-03
2812	490237.25, 3859422.08	0.12957	0.08324	0.11984	1.99E-03	6.06E-06	3.21E-03	0.005209	2.03E-03	5.96E-06	3.58E-03	5.61E-03	1.93E-03	7.57E-06	6.87E-03	8.80E-03
2813	490287.25, 3859422.08	0.12911	0.08371	0.12014	1.98E-03	6.09E-06	3.22E-03	0.00521	2.02E-03	6.00E-06	3.58E-03	5.61E-03	1.92E-03	7.61E-06	6.88E-03	8.81E-03
2814	490337.25, 3859422.08	0.12857	0.08418	0.12043	1.97E-03	6.13E-06	3.23E-03	0.005209	2.02E-03	6.03E-06	3.59E-03	5.61E-03	1.92E-03	7.66E-06	6.90E-03	8.82E-03
2815	490187.25, 3859472.08	0.12363	0.07921	0.1138	1.90E-03	5.77E-06	3.05E-03	0.004955	1.94E-03	5.68E-06	3.39E-03	5.34E-03	1.84E-03	7.21E-06	6.52E-03	8.37E-03
2816	490237.25, 3859472.08	0.12354	0.07967	0.11422	1.90E-03	5.80E-06	3.06E-03	0.004965	1.94E-03	5.71E-06	3.41E-03	5.35E-03	1.84E-03	7.25E-06	6.54E-03	8.39E-03
2817	490287.25, 3859472.08	0.12337	0.0802	0.11471	1.89E-03	5.84E-06	3.08E-03	0.004976	1.93E-03	5.75E-06	3.42E-03	5.36E-03	1.84E-03	7.30E-06	6.57E-03	8.42E-03
2818	490337.25, 3859472.08	0.12306	0.08063	0.11498	1.89E-03	5.87E-06	3.08E-03	0.004978	1.93E-03	5.78E-06	3.43E-03	5.37E-03	1.83E-03	7.33E-06	6.59E-03	8.43E-03
2819	490297.07, 3859500.42	0.12011	0.07834	0.11172	1.84E-03	5.70E-06	3.00E-03	0.004845	1.88E-03	5.61E-06	3.33E-03	5.22E-03	1.79E-03	7.13E-06	6.40E-03	8.20E-03
2820	490327.07, 3859500.42	0.11998	0.07856	0.11185	1.84E-03	5.72E-06	3.00E-03	0.004847	1.88E-03	5.63E-06	3.34E-03	5.22E-03	1.79E-03	7.15E-06	6.41E-03	8.20E-03
2821	490297.07, 3859530.42	0.11664	0.07629	0.10845	1.79E-03	5.55E-06	2.91E-03	0.004704	1.83E-03	5.47E-06	3.24E-03	5.07E-03	1.74E-03	6.94E-06	6.21E-03	7.96E-03
2822	490327.07, 3859530.42	0.11665	0.07657	0.10874	1.79E-03	5.57E-06	2.92E-03	0.004712	1.83E-03	5.49E-06	3.24E-03	5.08E-03	1.74E-03	6.96E-06	6.23E-03	7.97E-03
2823	490319.73, 3859055.34	0.17797	0.11112	0.16488	2.73E-03	8.09E-06	4.42E-03	0.007161	2.79E-03	7.96E-06	4.92E-03	7.72E-03	2.65E-03	1.01E-05	9.45E-03	1.21E-02
2824	490319.73, 3859105.34	0.1702	0.10734	0.15815	2.61E-03	7.81E-06	4.24E-03	0.006861	2.67E-03	7.69E-06	4.72E-03	7.39E-03	2.54E-03	9.76E-06	9.06E-03	1.16E-02
2825	490069.73, 3859155.34	0.17168	0.10344	0.1539	2.63E-03	7.53E-06	4.13E-03	0.00677	2.69E-03	7.41E-06	4.59E-03	7.29E-03	2.56E-03	9.41E-06	8.82E-03	1.14E-02
2826	490119.73, 3859155.34	0.17006	0.10355	0.15346	2.61E-03	7.54E-06	4.12E-03	0.006733	2.67E-03	7.42E-06	4.58E-03	7.25E-03	2.53E-03	9.42E-06	8.79E-03	1.13E-02
2827	490269.73, 3859155.34	0.16507	0.10359	0.152	2.53E-03	7.54E-06	4.08E-03	0.006617	2.59E-03	7.42E-06	4.53E-03	7.13E-03	2.46E-03	9.42E-06	8.71E-03	1.12E-02
2828	490319.73, 3859155.34	0.16292	0.10361	0.15163	2.50E-03	7.54E-06	4.07E-03	0.006574	2.55E-03	7.42E-06	4.52E-03	7.09E-03	2.43E-03	9.42E-06	8.69E-03	1.11E-02
2829	490069.73, 3859205.34	0.16314	0.09901	0.14659	2.50E-03	7.21E-06	3.93E-03	0.006442	2.56E-03	7.09E-06	4.37E-03	6.94E-03	2.43E-03	9.01E-06	8.40E-03	1.08E-02
2830	490119.73, 3859205.34	0.16193	0.09914	0.14614	2.48E-03	7.22E-06	3.92E-03	0.006412	2.54E-03	7.10E-06	4.36E-03	6.91E-03	2.41E-03	9.02E-06	8.37E-03	1.08E-02
2831	490169.73, 3859205.34	0.16061	0.09937	0.14592	2.46E-03	7.23E-06	3.91E-03	0.006385	2.52E-03	7.12E-06	4.35E-03	6.88E-03	2.39E-03	9.04E-06	8.36E-03	1.08E-02
2832	490219.73, 3859205.34	0.15909	0.09966	0.14588	2.44E-03	7.25E-06	3.91E-03	0.006361	2.49E-03	7.14E-06	4.35E-03	6.85E-03	2.37E-03	9.07E-06	8.36E-03	1.07E-02
2833	490269.73, 3859205.34	0.15727	0.09992	0.14584	2.41E-03	7.27E-06	3.91E-03	0.006332	2.47E-03	7.16E-06	4.35E-03	6.82E-03	2.34E-03	9.09E-06	8.35E-03	1.07E-02
2834	490319.73, 3859205.34	0.15566	0.09995	0.14544	2.39E-03	7.28E-06	3.90E-03	0.006297	2.44E-03	7.16E-06	4.34E-03	6.79E-03	2.32E-03	9.09E-06	8.33E-03	1.07E-02
2835	490069.73, 3859255.34	0.1549	0.09482	0.13987	2.38E-03	6.90E-06	3.75E-03	0.006135	2.43E-03	6.79E-06	4.17E-03	6.61E-03	2.31E-03	8.63E-06	8.01E-03	1.03E-02
2836	490119.73, 3859255.34	0.15393	0.09508	0.13963	2.36E-03	6.92E-06	3.74E-03	0.006114	2.41E-03	6.81E-06	4.17E-03	6.59E-03	2.29E-03	8.65E-06	8.00E-03	1.03E-02
2837	490169.73, 3859255.34	0.15288	0.09539	0.13952	2.35E-03	6.94E-06	3.74E-03	0.006095	2.40E-03	6.83E-06	4.16E-03	6.57E-03	2.28E-03	8.68E-06	7.99E-03	1.03E-02
2838	490219.73, 3859255.34	0.15166	0.09578	0.1396	2.33E-03	6.97E-06	3.74E-03	0.006078	2.38E-03	6.86E-06	4.16E-03	6.55E-03	2.26E-03	8.71E-06	8.00E-03	1.03E-02
2839	490269.73, 3859255.34	0.15031	0.0961	0.13961	2.31E-03	7.00E-06	3.74E-03	0.006058	2.36E-03	6.89E-06	4.16E-03	6.53E-03	2.24E-03	8.74E-06	8.00E-03	1.02E-02
2840	490319.73, 3859255.34	0.14896	0.09627	0.1394	2.29E-03	7.01E-06	3.74E-03	0.006032	2.34E-03	6.90E-06	4.16E-03	6.50E-03	2.22E-03	8.76E-06	7.99E-03	1.02E-02
2841	490069.73, 3859305.34	0.14719	0.09074	0.13339	2.26E-03	6.61E-06	3.58E-03	0.005843	2.31E-03	6.50E-06	3.98E-03	6.29E-03	2.19E-03	8.25E-06	7.64E-03	9.84E-03
2842	490119.73, 3859305.34	0.14644	0.09106	0.13326	2.25E-03	6.63E-06	3.57E-03	0.005828	2.30E-03	6.52E-06	3.98E-03	6.28E-03	2.18E-03	8.28E-06	7.63E-03	9.82E-03
2843	490169.73, 3859305.34	0.14561	0.09144	0.13329	2.23E-03	6.66E-06	3.57E-03	0.005816	2.28E-03	6.55E-06	3.98E-03	6.27E-03	2.17E-03	8.32E-06	7.64E-03	9.81E-03
2844	490219.73, 3859305.34	0.14469	0.09188	0.13344	2.22E-03	6.69E-06	3.58E-03	0.005806	2.27E-03	6.58E-06	3.98E-03	6.26E-03	2.16E-03	8.36E-06	7.64E-03	9.81E-03
2845	490269.73, 3859305.34	0.14369	0.09226	0.13352	2.20E-03	6.72E-06	3.58E-03	0.005793	2.25E-03	6.61E-06	3.98E-03	6.24E-03	2.14E-03	8.39E-06	7.65E-03	9.80E-03
2846	490319.73, 3859305.34	0.14251	0.09262	0.13359	2.19E-03	6.74E-06	3.58E-03	0.005777	2.23E-03	6.64E-06	3.99E-03	6.23E-03	2.12E-03	8.42E-06	7.65E-03	9.78E-03

2847	490069.73, 3859355.34	0.1399	0.08671	0.12692	2.15E-03	6.31E-06	3.40E-03	0.005557	2.19E-03	6.21E-06	3.79E-03	5.99E-03	2.08E-03	7.89E-06	7.27E-03	9.36E-03
2848	490119.73, 3859355.34	0.13936	0.08707	0.12695	2.14E-03	6.34E-06	3.40E-03	0.00555	2.19E-03	6.24E-06	3.79E-03	5.98E-03	2.08E-03	7.92E-06	7.27E-03	9.36E-03
2849	490169.73, 3859355.34	0.13877	0.08752	0.12714	2.13E-03	6.37E-06	3.41E-03	0.005546	2.18E-03	6.27E-06	3.79E-03	5.97E-03	2.07E-03	7.96E-06	7.28E-03	9.36E-03
2850	490219.73, 3859355.34	0.13808	0.08803	0.12745	2.12E-03	6.41E-06	3.42E-03	0.005544	2.16E-03	6.31E-06	3.80E-03	5.97E-03	2.06E-03	8.01E-06	7.30E-03	9.37E-03
2851	490269.73, 3859355.34	0.13735	0.08846	0.12762	2.11E-03	6.44E-06	3.42E-03	0.005537	2.15E-03	6.34E-06	3.81E-03	5.97E-03	2.05E-03	8.05E-06	7.31E-03	9.36E-03
2852	490319.73, 3859355.34	0.1365	0.08889	0.12781	2.09E-03	6.47E-06	3.43E-03	0.005529	2.14E-03	6.37E-06	3.81E-03	5.96E-03	2.03E-03	8.09E-06	7.32E-03	9.36E-03
2853	490069.73, 3859405.34	0.13277	0.08289	0.12065	2.04E-03	6.03E-06	3.24E-03	0.005279	2.08E-03	5.94E-06	3.60E-03	5.69E-03	1.98E-03	7.54E-06	6.91E-03	8.90E-03
2854	490119.73, 3859405.34	0.13249	0.08329	0.1209	2.03E-03	6.06E-06	3.24E-03	0.005282	2.08E-03	5.97E-06	3.61E-03	5.69E-03	1.97E-03	7.58E-06	6.93E-03	8.91E-03
2855	490169.73, 3859405.34	0.13219	0.08378	0.12127	2.03E-03	6.10E-06	3.25E-03	0.005287	2.07E-03	6.00E-06	3.62E-03	5.70E-03	1.97E-03	7.62E-06	6.95E-03	8.92E-03
2856	490219.73, 3859405.34	0.13178	0.08427	0.1216	2.02E-03	6.13E-06	3.26E-03	0.00529	2.07E-03	6.04E-06	3.63E-03	5.70E-03	1.96E-03	7.67E-06	6.97E-03	8.94E-03
2857	490269.73, 3859405.34	0.13125	0.08479	0.12196	2.01E-03	6.17E-06	3.27E-03	0.005291	2.06E-03	6.08E-06	3.64E-03	5.70E-03	1.96E-03	7.71E-06	6.99E-03	8.95E-03
2858	490319.73, 3859405.34	0.13066	0.08526	0.12224	2.01E-03	6.21E-06	3.28E-03	0.00529	2.05E-03	6.11E-06	3.65E-03	5.70E-03	1.95E-03	7.76E-06	7.00E-03	8.96E-03
2859	490161.89, 3859541.83	0.11506	0.07449	0.10599	1.77E-03	5.42E-06	2.84E-03	0.004614	1.80E-03	5.34E-06	3.16E-03	4.97E-03	1.71E-03	6.78E-06	6.07E-03	7.79E-03
2860	490171.89, 3859541.83	0.1151	0.07457	0.10611	1.77E-03	5.43E-06	2.85E-03	0.004618	1.80E-03	5.34E-06	3.17E-03	4.98E-03	1.71E-03	6.78E-06	6.08E-03	7.80E-03
2861	490161.89, 3859551.83	0.11388	0.0739	0.10497	1.75E-03	5.38E-06	2.82E-03	0.004568	1.79E-03	5.30E-06	3.13E-03	4.92E-03	1.70E-03	6.72E-06	6.01E-03	7.72E-03
2862	490171.89, 3859551.83	0.11393	0.07397	0.10508	1.75E-03	5.38E-06	2.82E-03	0.004572	1.79E-03	5.30E-06	3.13E-03	4.93E-03	1.70E-03	6.73E-06	6.02E-03	7.72E-03
2863	489799.72, 3859348.21	0.1426	0.08512	0.12609	2.19E-03	6.20E-06	3.38E-03	0.005576	2.24E-03	6.10E-06	3.76E-03	6.00E-03	2.12E-03	7.74E-06	7.22E-03	9.36E-03
2864	489819.72, 3859348.21	0.14258	0.08524	0.12626	2.19E-03	6.20E-06	3.39E-03	0.00558	2.24E-03	6.11E-06	3.77E-03	6.01E-03	2.12E-03	7.75E-06	7.23E-03	9.36E-03
2865	489799.72, 3859368.21	0.13906	0.08369	0.12336	2.13E-03	6.09E-06	3.31E-03	0.005449	2.18E-03	6.00E-06	3.68E-03	5.87E-03	2.07E-03	7.61E-06	7.07E-03	9.15E-03
2866	489819.72, 3859368.21	0.13911	0.08382	0.1236	2.13E-03	6.10E-06	3.32E-03	0.005456	2.18E-03	6.01E-06	3.69E-03	5.87E-03	2.07E-03	7.62E-06	7.08E-03	9.16E-03
2867	489775.41, 3859329.72	0.14594	0.08627	0.12834	2.24E-03	6.28E-06	3.44E-03	0.005688	2.29E-03	6.18E-06	3.83E-03	6.12E-03	2.17E-03	7.85E-06	7.35E-03	9.53E-03
2868	489795.41, 3859329.72	0.14591	0.08641	0.12853	2.24E-03	6.29E-06	3.45E-03	0.005693	2.29E-03	6.19E-06	3.83E-03	6.13E-03	2.17E-03	7.86E-06	7.36E-03	9.54E-03
2869	489775.41, 3859349.72	0.14228	0.08484	0.1256	2.18E-03	6.18E-06	3.37E-03	0.005558	2.23E-03	6.08E-06	3.75E-03	5.98E-03	2.12E-03	7.72E-06	7.19E-03	9.32E-03
2870	489795.41, 3859349.72	0.14233	0.08498	0.12584	2.18E-03	6.19E-06	3.38E-03	0.005565	2.23E-03	6.09E-06	3.75E-03	5.99E-03	2.12E-03	7.73E-06	7.21E-03	9.34E-03
2871	489595.05, 3859219.43	0.17046	0.09367	0.14343	2.62E-03	6.82E-06	3.85E-03	0.006469	2.67E-03	6.71E-06	4.28E-03	6.96E-03	2.54E-03	8.52E-06	8.22E-03	1.08E-02
2872	489615.05, 3859219.43	0.17023	0.09386	0.14372	2.61E-03	6.83E-06	3.85E-03	0.006474	2.67E-03	6.73E-06	4.29E-03	6.96E-03	2.54E-03	8.54E-06	8.23E-03	1.08E-02
2873	489595.05, 3859239.43	0.16553	0.092	0.14007	2.54E-03	6.70E-06	3.76E-03	0.006304	2.60E-03	6.59E-06	4.18E-03	6.78E-03	2.47E-03	8.37E-06	8.02E-03	1.05E-02
2874	489615.05, 3859239.43	0.16542	0.09218	0.14038	2.54E-03	6.71E-06	3.77E-03	0.00631	2.59E-03	6.60E-06	4.19E-03	6.79E-03	2.46E-03	8.38E-06	8.04E-03	1.05E-02
2875	489372.4, 3859092.58	0.21628	0.10345	0.16509	3.32E-03	7.53E-06	4.43E-03	0.007754	3.39E-03	7.41E-06	4.93E-03	8.32E-03	3.22E-03	9.41E-06	9.46E-03	1.27E-02
2876	489422.4, 3859092.58	0.21402	0.10392	0.16564	3.28E-03	7.56E-06	4.44E-03	0.007734	3.36E-03	7.45E-06	4.94E-03	8.30E-03	3.19E-03	9.45E-06	9.49E-03	1.27E-02
2877	489372.4, 3859142.58	0.19643	0.09879	0.15472	3.01E-03	7.19E-06	4.15E-03	0.007171	3.08E-03	7.08E-06	4.62E-03	7.70E-03	2.93E-03	8.99E-06	8.86E-03	1.18E-02
2878	489422.4, 3859142.58	0.19561	0.09909	0.15537	3.00E-03	7.21E-06	4.17E-03	0.007176	3.07E-03	7.10E-06	4.64E-03	7.71E-03	2.91E-03	9.01E-06	8.90E-03	1.18E-02
2879	488870.84, 3858666.64	0.57786	0.15893	0.32621	8.87E-03	1.16E-05	8.75E-03	0.017628	9.06E-03	1.14E-05	9.73E-03	1.88E-02	8.61E-03	1.45E-05	1.87E-02	2.73E-02
2880	488900.84, 3858666.64	0.55777	0.15953	0.32433	8.56E-03	1.16E-05	8.70E-03	0.017269	8.75E-03	1.14E-05	9.68E-03	1.84E-02	8.31E-03	1.45E-05	1.86E-02	2.69E-02
2881	488870.84, 3858696.64	0.60231	0.15271	0.30739	9.24E-03	1.11E-05	8.24E-03	0.017498	9.44E-03	1.09E-05	9.17E-03	1.86E-02	8.97E-03	1.39E-05	1.76E-02	2.66E-02
2882	488900.84, 3858696.64	0.57825	0.15331	0.30617	8.87E-03	1.12E-05	8.21E-03	0.017096	9.07E-03	1.10E-05	9.13E-03	1.82E-02	8.61E-03	1.39E-05	1.75E-02	2.62E-02
2883	488889.67, 3858683.97	0.57675	0.1557	0.31438	8.85E-03	1.13E-05	8.43E-03	0.017293	9.04E-03	1.12E-05	9.38E-03	1.84E-02	8.59E-03	1.42E-05	1.80E-02	2.66E-02
2884	488919.67, 3858683.97	0.55615	0.15624	0.31262	8.53E-03	1.14E-05	8.38E-03	0.01693	8.72E-03	1.12E-05	9.33E-03	1.81E-02	8.29E-03	1.42E-05	1.79E-02	2.62E-02
2885	488889.67, 3858713.97	0.60267	0.14968	0.29659	9.25E-03	1.09E-05	7.95E-03	0.017214	9.45E-03	1.07E-05	8.85E-03	1.83E-02	8.98E-03	1.36E-05	1.70E-02	2.60E-02
2886	488919.67, 3858713.97	0.57768	0.15026	0.29556	8.86E-03	1.09E-05	7.93E-03	0.016803	9.06E-03	1.08E-05	8.82E-03	1.79E-02	8.61E-03	1.37E-05	1.69E-02	2.56E-02
2887	488906.61, 3858703.33	0.57926	0.15207	0.302	8.89E-03	1.11E-05	8.10E-03	0.017	9.08E-03	1.09E-05	9.01E-03	1.81E-02	8.63E-03	1.38E-05	1.73E-02	2.59E-02
2888	488936.61, 3858703.33	0.55711	0.1527	0.30088	8.55E-03	1.11E-05	8.07E-03	0.01663	8.73E-03	1.09E-05	8.98E-03	1.77E-02	8.30E-03	1.39E-05	1.72E-02	2.55E-02
2889	488906.61, 3858733.33	0.60664	0.14645	0.2858	9.31E-03	1.07E-05	7.67E-03	0.016985	9.51E-03	1.05E-05	8.53E-03	1.80E-02	9.04E-03	1.33E-05	1.64E-02	2.54E-02
2890	488936.61, 3858733.33	0.58013	0.14696	0.28484	8.90E-03	1.07E-05	7.64E-03	0.016552	9.10E-03	1.05E-05	8.50E-03	1.76E-02	8.64E-03	1.34E-05	1.63E-02	2.50E-02
2891	488637.63, 3858467.85	0.6436	0.20558	0.55385	9.88E-03	1.50E-05	1.49E-02	0.024746	1.01E-02	1.47E-05	1.65E-02	2.66E-02	9.59E-03	1.87E-05	3.17E-02	4.13E-02
2892	488662.63, 3858467.85	0.62882	0.20584	0.54231	9.65E-03	1.50E-05	1.45E-02	0.024209	9.86E-03	1.47E-05	1.62E-02	2.61E-02	9.37E-03	1.87E-05	3.11E-02	4.05E-02
2893	488637.63, 3858492.85	0.6481	0.19784	0.52285	9.95E-03	1.44E-05	1.40E-02	0.023983	1.02E-02	1.42E-05	1.56E-02	2.58E-02	9.65E-03	1.80E-05	3.00E-02	3.96E-02
2894	488662.63, 3858492.85	0.63233	0.19827	0.51347	9.70E-03	1.44E-05	1.38E-02	0.023489	9.91E-03	1.42E-05	1.53E-02	2.52E-02	9.42E-03	1.80E-05	2.94E-02	3.89E-02
2895	488687.63, 3858492.85	0.61727	0.19878	0.50514	9.47E-03	1.45E-05	1.35E-02	0.023035	9.68E-03	1.42E-05	1.51E-02	2.48E-02	9.20E-03	1.81E-05	2.89E-02	3.82E-02
2896	488637.63, 3858517.85	0.65652	0.19031	0.49143	1.01E-02	1.39E-05	1.32E-02	0.023269	1.03E-02	1.36E-05	1.47E-02	2.50E-02	9.78E-03	1.73E-05	2.82E-02	3.79E-02
2897	488662.63, 3858517.85	0.63925	0.19088	0.4842	9.81E-03	1.39E-05	1.30E-02	0.02281	1.00E-02	1.37E-05	1.44E-02	2.45E-02	9.52E-03	1.74E-05	2.77E-02	3.73E-02
2898	488687.63, 3858517.85	0.62324	0.19137	0.477	9.56E-03	1.39E-05	1.28E-02	0.022371	9.77E-03	1.37E-05	1.42E-02	2.40E-02	9.28E-03	1.74E-05	2.73E-02	3.66E-02
2899	488194.42, 3857168.98	0.66336	0.90562	0.72871	1.02E-02	6.59E-05	1.95E-02	0.02979	1.04E-02	6.49E-05	2.17E-02	3.22E-02	9.88E-03	8.24E-05	4.17E-02	5.17E-02
2900	488244.42, 3857168.98	0.64972	0.87485	0.7124	9.97E-03	6.37E-05	1.91E-02	0.029141	1.02E-02	6.27E-05	2.13E-02	3.15E-02	9.68E-03	7.96E-05	4.08E-02	5.06E-02
2901	488294.42, 3857168.98	0.63579	0.84445	0.69637	9.76E-03	6.15E-05	1.87E-02	0.028495	9.97E-03	6.05E-05	2.08E-02	3.08E-02	9.47E-03	7.68E-05	3.99E-02	4.94E-02
2902	488244.42, 3857218.98	0.66273	0.93273	0.73029	1.02E-02	6.79E-05	1.96E-02	0.029824	1.04E-02	6.68E-05	2.18E-02	3.22E-02	9.87E-03	8.48E-05	4.18E-02	5.18E-02
2903	488294.42, 3857218.98	0.64842	0.8964	0.71338	9.95E-03	6.53E-05	1.91E-02	0.029149	1.02E-02	6.42E-05	2.13E-02	3.15E-02	9.66E-03	8.15E-05	4.09E-02	5.06E-02

2904	488294.42, 3857268.98	0.66137	0.93977	0.73097	1.01E-02	6.84E-05	1.96E-02	0.029822	1.04E-02	6.73E-05	2.18E-02	3.22E-02	9.85E-03	8.55E-05	4.19E-02	5.18E-02
2905	488139.13, 3857111.68	0.66308	0.8519	0.72553	1.02E-02	6.20E-05	1.95E-02	0.029696	1.04E-02	6.10E-05	2.16E-02	3.21E-02	9.88E-03	7.75E-05	4.16E-02	5.15E-02
2906	488189.13, 3857111.68	0.64998	0.82805	0.70984	9.97E-03	6.03E-05	1.90E-02	0.029073	1.02E-02	5.93E-05	2.12E-02	3.14E-02	9.68E-03	7.53E-05	4.07E-02	5.04E-02
2907	488189.13, 3857161.68	0.66296	0.89895	0.7278	1.02E-02	6.54E-05	1.95E-02	0.029759	1.04E-02	6.44E-05	2.17E-02	3.22E-02	9.88E-03	8.18E-05	4.17E-02	5.16E-02
2908	487951.04, 3856961.26	0.66883	0.63073	0.71836	1.03E-02	4.59E-05	1.93E-02	0.029576	1.05E-02	4.52E-05	2.14E-02	3.20E-02	9.96E-03	5.74E-05	4.12E-02	5.12E-02
2909	488001.04, 3856961.26	0.65531	0.62918	0.70381	1.01E-02	4.58E-05	1.89E-02	0.028978	1.03E-02	4.51E-05	2.10E-02	3.13E-02	9.76E-03	5.72E-05	4.03E-02	5.01E-02
2910	488051.04, 3856961.26	0.64098	0.62424	0.68833	9.84E-03	4.54E-05	1.85E-02	0.028343	1.00E-02	4.47E-05	2.05E-02	3.06E-02	9.55E-03	5.68E-05	3.94E-02	4.90E-02
2911	488101.04, 3856961.26	0.63028	0.62263	0.67683	9.67E-03	4.53E-05	1.82E-02	0.02787	9.88E-03	4.46E-05	2.02E-02	3.01E-02	9.39E-03	5.66E-05	3.88E-02	4.82E-02
2912	487951.04, 3857011.26	0.6874	0.72339	0.74097	1.05E-02	5.27E-05	1.99E-02	0.030474	1.08E-02	5.18E-05	2.21E-02	3.29E-02	1.02E-02	6.58E-05	4.24E-02	5.28E-02
2913	488001.04, 3857011.26	0.67125	0.71377	0.72343	1.03E-02	5.20E-05	1.94E-02	0.029755	1.05E-02	5.11E-05	2.16E-02	3.22E-02	1.00E-02	6.49E-05	4.14E-02	5.15E-02
2914	488051.04, 3857011.26	0.65623	0.70378	0.70718	1.01E-02	5.12E-05	1.90E-02	0.029088	1.03E-02	5.04E-05	2.11E-02	3.14E-02	9.78E-03	6.40E-05	4.05E-02	5.04E-02
2915	488101.04, 3857011.26	0.64478	0.70557	0.69478	9.89E-03	5.14E-05	1.86E-02	0.02858	1.01E-02	5.06E-05	2.07E-02	3.09E-02	9.61E-03	6.42E-05	3.98E-02	4.95E-02
2916	488001.04, 3857061.26	0.68833	0.80899	0.74476	1.06E-02	5.89E-05	2.00E-02	0.030596	1.08E-02	5.80E-05	2.22E-02	3.31E-02	1.03E-02	7.36E-05	4.27E-02	5.30E-02
2917	488051.04, 3857061.26	0.67354	0.79387	0.72865	1.03E-02	5.78E-05	1.95E-02	0.029936	1.06E-02	5.69E-05	2.17E-02	3.24E-02	1.00E-02	7.22E-05	4.17E-02	5.18E-02
2918	488101.04, 3857061.26	0.65984	0.78639	0.71375	1.01E-02	5.72E-05	1.91E-02	0.029326	1.03E-02	5.63E-05	2.13E-02	3.17E-02	9.83E-03	7.15E-05	4.09E-02	5.08E-02
2919	487638.98, 3856673.79	0.6393	0.28521	0.67666	9.81E-03	2.08E-05	1.81E-02	0.027979	1.00E-02	2.04E-05	2.02E-02	3.02E-02	9.52E-03	2.59E-05	3.88E-02	4.83E-02
2920	487688.98, 3856673.79	0.62821	0.29157	0.66488	9.64E-03	2.12E-05	1.78E-02	0.027494	9.85E-03	2.09E-05	1.98E-02	2.97E-02	9.36E-03	2.65E-05	3.81E-02	4.75E-02
2921	487638.98, 3856723.79	0.66036	0.31102	0.70054	1.01E-02	2.26E-05	1.88E-02	0.028945	1.04E-02	2.23E-05	2.09E-02	3.13E-02	9.84E-03	2.83E-05	4.01E-02	5.00E-02
2922	487688.98, 3856723.79	0.6479	0.31826	0.68729	9.94E-03	2.32E-05	1.84E-02	0.028399	1.02E-02	2.28E-05	2.05E-02	3.07E-02	9.65E-03	2.89E-05	3.94E-02	4.91E-02
2923	486324.61, 3855740.57	0.5496	0.38362	0.54137	8.43E-03	2.79E-05	1.45E-02	0.022981	8.62E-03	2.75E-05	1.62E-02	2.48E-02	8.19E-03	3.49E-05	3.10E-02	3.92E-02
2924	486374.61, 3855740.57	0.52183	0.3687	0.51294	8.01E-03	2.68E-05	1.38E-02	0.021792	8.18E-03	2.64E-05	1.53E-02	2.35E-02	7.77E-03	3.35E-05	2.94E-02	3.72E-02
2925	486424.61, 3855740.57	0.50638	0.36176	0.49814	7.77E-03	2.63E-05	1.34E-02	0.021157	7.94E-03	2.59E-05	1.49E-02	2.28E-02	7.54E-03	3.29E-05	2.85E-02	3.61E-02
2926	486324.61, 3855790.57	0.56727	0.36473	0.56193	8.70E-03	2.65E-05	1.51E-02	0.023803	8.89E-03	2.61E-05	1.68E-02	2.57E-02	8.45E-03	3.32E-05	3.22E-02	4.07E-02
2927	486374.61, 3855790.57	0.54056	0.35243	0.5346	8.29E-03	2.57E-05	1.43E-02	0.022659	8.48E-03	2.53E-05	1.59E-02	2.44E-02	8.05E-03	3.21E-05	3.06E-02	3.87E-02
2928	486424.61, 3855790.57	0.5289	0.3492	0.52396	8.12E-03	2.54E-05	1.41E-02	0.022194	8.29E-03	2.50E-05	1.56E-02	2.39E-02	7.88E-03	3.18E-05	3.00E-02	3.79E-02
2929	486324.61, 3855840.57	0.58449	0.34656	0.58233	8.97E-03	2.52E-05	1.56E-02	0.024613	9.16E-03	2.48E-05	1.74E-02	2.66E-02	8.71E-03	3.15E-05	3.34E-02	4.21E-02
2930	486374.61, 3855840.57	0.56968	0.3428	0.56823	8.74E-03	2.50E-05	1.52E-02	0.024007	8.93E-03	2.46E-05	1.70E-02	2.59E-02	8.49E-03	3.12E-05	3.26E-02	4.11E-02
2931	486424.61, 3855840.57	0.55211	0.33703	0.55089	8.47E-03	2.45E-05	1.48E-02	0.023272	8.66E-03	2.41E-05	1.64E-02	2.51E-02	8.22E-03	3.07E-05	3.16E-02	3.98E-02
2932	486324.61, 3855890.57	0.61526	0.3366	0.61834	9.44E-03	2.45E-05	1.66E-02	0.02605	9.65E-03	2.41E-05	1.84E-02	2.81E-02	9.17E-03	3.06E-05	3.54E-02	4.46E-02
2933	486374.61, 3855890.57	0.59732	0.33211	0.60059	9.17E-03	2.42E-05	1.61E-02	0.025298	9.37E-03	2.38E-05	1.79E-02	2.73E-02	8.90E-03	3.02E-05	3.44E-02	4.33E-02
2934	486424.61, 3855890.57	0.57711	0.32603	0.58013	8.86E-03	2.37E-05	1.56E-02	0.024439	9.05E-03	2.34E-05	1.73E-02	2.64E-02	8.60E-03	2.97E-05	3.32E-02	4.19E-02
2935	488735.69, 3858285.64	0.61436	0.26564	0.65982	9.43E-03	1.93E-05	1.77E-02	0.027143	9.63E-03	1.90E-05	1.97E-02	2.93E-02	9.15E-03	2.42E-05	3.78E-02	4.70E-02
2936	488765.69, 3858285.64	0.60012	0.26433	0.64258	9.21E-03	1.92E-05	1.72E-02	0.026462	9.41E-03	1.89E-05	1.92E-02	2.86E-02	8.94E-03	2.40E-05	3.68E-02	4.58E-02
2937	488735.69, 3858315.64	0.60829	0.25523	0.64325	9.33E-03	1.86E-05	1.73E-02	0.026605	9.54E-03	1.83E-05	1.92E-02	2.87E-02	9.06E-03	2.32E-05	3.68E-02	4.59E-02
2938	488765.69, 3858315.64	0.59427	0.25422	0.62659	9.12E-03	1.85E-05	1.68E-02	0.025943	9.32E-03	1.82E-05	1.87E-02	2.80E-02	8.85E-03	2.31E-05	3.59E-02	4.48E-02
2939	478676.63, 3849871.93	0.01525	0.01734	0.01508	2.34E-04	1.26E-06	4.04E-04	0.00064	2.39E-04	1.24E-06	4.50E-04	6.90E-04	2.27E-04	1.58E-06	8.64E-04	1.09E-03
2940	479326.63, 3849871.93	0.01454	0.01593	0.01437	2.23E-04	1.16E-06	3.85E-04	0.00061	2.28E-04	1.14E-06	4.29E-04	6.58E-04	2.17E-04	1.45E-06	8.23E-04	1.04E-03
2941	479376.63, 3849871.93	0.01431	0.01552	0.01412	2.20E-04	1.13E-06	3.79E-04	0.000599	2.24E-04	1.11E-06	4.21E-04	6.47E-04	2.13E-04	1.41E-06	8.09E-04	1.02E-03
2942	479426.63, 3849871.93	0.01416	0.01515	0.01393	2.17E-04	1.10E-06	3.74E-04	0.000592	2.22E-04	1.09E-06	4.16E-04	6.39E-04	2.11E-04	1.38E-06	7.98E-04	1.01E-03
2943	478726.63, 3849921.93	0.01551	0.01768	0.01534	2.38E-04	1.29E-06	4.11E-04	0.000651	2.43E-04	1.27E-06	4.58E-04	7.02E-04	2.31E-04	1.61E-06	8.79E-04	1.11E-03
2944	478776.63, 3849921.93	0.01572	0.01794	0.01557	2.41E-04	1.31E-06	4.18E-04	0.00066	2.46E-04	1.29E-06	4.64E-04	7.12E-04	2.34E-04	1.63E-06	8.92E-04	1.13E-03
2945	478826.63, 3849921.93	0.01587	0.01811	0.01575	2.44E-04	1.32E-06	4.22E-04	0.000667	2.49E-04	1.30E-06	4.70E-04	7.20E-04	2.36E-04	1.65E-06	9.02E-04	1.14E-03
2946	478976.63, 3849921.93	0.0161	0.01828	0.016	2.47E-04	1.33E-06	4.29E-04	0.000678	2.52E-04	1.31E-06	4.77E-04	7.31E-04	2.40E-04	1.66E-06	9.17E-04	1.16E-03
2947	479026.63, 3849921.93	0.01622	0.01841	0.01612	2.49E-04	1.34E-06	4.32E-04	0.000683	2.54E-04	1.32E-06	4.81E-04	7.37E-04	2.42E-04	1.67E-06	9.23E-04	1.17E-03
2948	479076.63, 3849921.93	0.01621	0.01837	0.01611	2.49E-04	1.34E-06	4.32E-04	0.000682	2.54E-04	1.32E-06	4.81E-04	7.36E-04	2.41E-04	1.67E-06	9.23E-04	1.17E-03
2949	479126.63, 3849921.93	0.01613	0.01824	0.01603	2.48E-04	1.33E-06	4.30E-04	0.000679	2.53E-04	1.31E-06	4.78E-04	7.32E-04	2.40E-04	1.66E-06	9.18E-04	1.16E-03
2950	479176.63, 3849921.93	0.01608	0.01815	0.01597	2.47E-04	1.32E-06	4.28E-04	0.000676	2.52E-04	1.30E-06	4.76E-04	7.30E-04	2.40E-04	1.65E-06	9.15E-04	1.16E-03
2951	479226.63, 3849921.93	0.01575	0.01767	0.01563	2.42E-04	1.29E-06	4.19E-04	0.000662	2.47E-04	1.27E-06	4.66E-04	7.14E-04	2.35E-04	1.61E-06	8.95E-04	1.13E-03
2952	479276.63, 3849921.93	0.01516	0.01686	0.01503	2.33E-04	1.23E-06	4.03E-04	0.000637	2.38E-04	1.21E-06	4.48E-04	6.87E-04	2.26E-04	1.53E-06	8.61E-04	1.09E-03
2953	479326.63, 3849921.93	0.01546	0.01718	0.0153	2.37E-04	1.25E-06	4.10E-04	0.000649	2.42E-04	1.23E-06	4.56E-04	7.00E-04	2.30E-04	1.56E-06	8.76E-04	1.11E-03
2954	479376.63, 3849921.93	0.01483	0.01626	0.01465	2.28E-04	1.18E-06	3.93E-04	0.000622	2.33E-04	1.17E-06	4.37E-04	6.71E-04	2.21E-04	1.48E-06	8.39E-04	1.06E-03
2955	479426.63, 3849921.93	0.01493	0.01625	0.01471	2.29E-04	1.18E-06	3.95E-04	0.000625	2.34E-04	1.16E-06	4.39E-04	6.74E-04	2.22E-04	1.48E-06	8.43E-04	1.07E-03
2956	478726.63, 3849971.93	0.01553	0.01767	0.01531	2.38E-04	1.29E-06	4.11E-04	0.00065	2.43E-04	1.27E-06	4.57E-04	7.01E-04	2.31E-04	1.61E-06	8.77E-04	1.11E-03
2957	478776.63, 3849971.93	0.01576	0.018	0.01558	2.42E-04	1.31E-06	4.18E-04	0.000661	2.47E-04	1.29E-06	4.65E-04	7.13E-04	2.35E-04	1.64E-06	8.92E-04	1.13E-03
2958	478826.63, 3849971.93	0.01596	0.01825	0.01581	2.45E-04	1.33E-06	4.24E-04	0.00067	2.50E-04	1.31E-06	4.72E-04	7.23E-04	2.38E-04	1.66E-06	9.06E-04	1.15E-03
2959	478976.63, 3849971.93	0.01646	0.01881	0.01635	2.53E-04	1.37E-06	4.39E-04	0.000692	2.58E-04	1.35E-06	4.88E-04	7.47E-04	2.45E-04	1.71E-06	9.37E-04	1.18E-03
2960	479026.63, 3849971.93	0.0165	0.01881	0.01639	2.53E-04	1.37E-06	4.40E-04	0.000694	2.59E-04	1.35E-06	4.89E-04	7.49E-04	2.46E-04	1.71E-06	9.39E-04	1.19E-03

2961	479076.63, 3849971.93	0.01649	0.01876	0.01639	2.53E-04	1.37E-06	4.40E-04	0.000694	2.59E-04	1.34E-06	4.89E-04	7.49E-04	2.46E-04	1.71E-06	9.39E-04	1.19E-03
2962	479126.63, 3849971.93	0.01649	0.01872	0.01638	2.53E-04	1.36E-06	4.39E-04	0.000694	2.59E-04	1.34E-06	4.89E-04	7.49E-04	2.46E-04	1.70E-06	9.38E-04	1.19E-03
2963	479176.63, 3849971.93	0.01643	0.01861	0.01632	2.52E-04	1.35E-06	4.38E-04	0.000691	2.58E-04	1.33E-06	4.87E-04	7.46E-04	2.45E-04	1.69E-06	9.35E-04	1.18E-03
2964	479226.63, 3849971.93	0.01579	0.01771	0.01567	2.42E-04	1.29E-06	4.20E-04	0.000664	2.48E-04	1.27E-06	4.67E-04	7.16E-04	2.35E-04	1.61E-06	8.98E-04	1.13E-03
2965	479276.63, 3849971.93	0.01604	0.01803	0.01591	2.46E-04	1.31E-06	4.27E-04	0.000674	2.51E-04	1.29E-06	4.75E-04	7.27E-04	2.39E-04	1.64E-06	9.11E-04	1.15E-03
2966	479326.63, 3849971.93	0.01614	0.01811	0.01599	2.48E-04	1.32E-06	4.29E-04	0.000678	2.53E-04	1.30E-06	4.77E-04	7.31E-04	2.40E-04	1.65E-06	9.16E-04	1.16E-03
2967	479376.63, 3849971.93	0.01555	0.01727	0.01539	2.39E-04	1.26E-06	4.13E-04	0.000653	2.44E-04	1.24E-06	4.59E-04	7.04E-04	2.32E-04	1.57E-06	8.82E-04	1.11E-03
2968	479426.63, 3849971.93	0.01547	0.01705	0.01528	2.37E-04	1.24E-06	4.10E-04	0.000648	2.43E-04	1.22E-06	4.56E-04	7.00E-04	2.30E-04	1.55E-06	8.75E-04	1.11E-03
2969	478726.63, 3850021.93	0.01551	0.0176	0.01524	2.38E-04	1.28E-06	4.09E-04	0.000648	2.43E-04	1.26E-06	4.55E-04	6.99E-04	2.31E-04	1.60E-06	8.73E-04	1.11E-03
2970	478776.63, 3850021.93	0.01577	0.01798	0.01555	2.42E-04	1.31E-06	4.17E-04	0.00066	2.47E-04	1.29E-06	4.64E-04	7.12E-04	2.35E-04	1.64E-06	8.91E-04	1.13E-03
2971	478826.63, 3850021.93	0.01602	0.01832	0.01583	2.46E-04	1.33E-06	4.25E-04	0.000672	2.51E-04	1.31E-06	4.72E-04	7.25E-04	2.39E-04	1.67E-06	9.07E-04	1.15E-03
2972	478976.63, 3850021.93	0.01663	0.01906	0.0165	2.55E-04	1.39E-06	4.43E-04	0.000699	2.61E-04	1.37E-06	4.92E-04	7.54E-04	2.48E-04	1.73E-06	9.45E-04	1.19E-03
2973	478726.63, 3850071.93	0.01546	0.01745	0.01512	2.37E-04	1.27E-06	4.06E-04	0.000644	2.42E-04	1.25E-06	4.51E-04	6.95E-04	2.30E-04	1.59E-06	8.66E-04	1.10E-03
2974	478776.63, 3850071.93	0.01577	0.01792	0.01548	2.42E-04	1.30E-06	4.15E-04	0.000658	2.47E-04	1.28E-06	4.62E-04	7.10E-04	2.35E-04	1.63E-06	8.87E-04	1.12E-03
2975	478826.63, 3850071.93	0.01604	0.01832	0.01581	2.46E-04	1.33E-06	4.24E-04	0.000672	2.51E-04	1.31E-06	4.72E-04	7.24E-04	2.39E-04	1.67E-06	9.06E-04	1.15E-03
2976	478876.63, 3850071.93	0.0163	0.01868	0.01611	2.50E-04	1.36E-06	4.32E-04	0.000684	2.56E-04	1.34E-06	4.81E-04	7.38E-04	2.43E-04	1.70E-06	9.23E-04	1.17E-03
2977	478976.63, 3850071.93	0.01676	0.01927	0.01662	2.57E-04	1.40E-06	4.46E-04	0.000704	2.63E-04	1.38E-06	4.96E-04	7.60E-04	2.50E-04	1.75E-06	9.52E-04	1.20E-03
2978	478726.63, 3850121.93	0.01538	0.01725	0.01497	2.36E-04	1.26E-06	4.02E-04	0.000639	2.41E-04	1.24E-06	4.47E-04	6.89E-04	2.29E-04	1.57E-06	8.58E-04	1.09E-03
2979	478776.63, 3850121.93	0.01573	0.01778	0.01538	2.41E-04	1.29E-06	4.12E-04	0.000655	2.47E-04	1.27E-06	4.59E-04	7.07E-04	2.34E-04	1.62E-06	8.81E-04	1.12E-03
2980	478826.63, 3850121.93	0.01604	0.01825	0.01574	2.46E-04	1.33E-06	4.22E-04	0.00067	2.51E-04	1.31E-06	4.70E-04	7.22E-04	2.39E-04	1.66E-06	9.02E-04	1.14E-03
2981	478876.63, 3850121.93	0.01631	0.01866	0.01607	2.50E-04	1.36E-06	4.31E-04	0.000683	2.56E-04	1.34E-06	4.79E-04	7.36E-04	2.43E-04	1.70E-06	9.21E-04	1.17E-03
2982	478976.63, 3850121.93	0.01686	0.0194	0.01668	2.59E-04	1.41E-06	4.47E-04	0.000707	2.64E-04	1.39E-06	4.98E-04	7.63E-04	2.51E-04	1.76E-06	9.56E-04	1.21E-03
2983	479026.63, 3850121.93	0.01707	0.01967	0.01692	2.62E-04	1.43E-06	4.54E-04	0.000717	2.68E-04	1.41E-06	5.05E-04	7.74E-04	2.54E-04	1.79E-06	9.69E-04	1.23E-03
2984	479076.63, 3850121.93	0.01722	0.01984	0.01708	2.64E-04	1.44E-06	4.58E-04	0.000724	2.70E-04	1.42E-06	5.10E-04	7.81E-04	2.57E-04	1.80E-06	9.78E-04	1.24E-03
2985	479126.63, 3850121.93	0.01733	0.01995	0.01721	2.66E-04	1.45E-06	4.62E-04	0.000729	2.72E-04	1.43E-06	5.13E-04	7.87E-04	2.58E-04	1.81E-06	9.86E-04	1.25E-03
2986	478776.63, 3850171.93	0.01564	0.01756	0.01522	2.40E-04	1.28E-06	4.08E-04	0.000649	2.45E-04	1.26E-06	4.54E-04	7.01E-04	2.33E-04	1.60E-06	8.72E-04	1.11E-03
2987	478826.63, 3850171.93	0.01598	0.01809	0.01562	2.45E-04	1.32E-06	4.19E-04	0.000665	2.51E-04	1.30E-06	4.66E-04	7.18E-04	2.38E-04	1.65E-06	8.95E-04	1.13E-03
2988	478876.63, 3850171.93	0.0163	0.01857	0.01599	2.50E-04	1.35E-06	4.29E-04	0.00068	2.56E-04	1.33E-06	4.77E-04	7.34E-04	2.43E-04	1.69E-06	9.16E-04	1.16E-03
2989	478976.63, 3850171.93	0.01691	0.01946	0.01669	2.59E-04	1.42E-06	4.48E-04	0.000709	2.65E-04	1.39E-06	4.98E-04	7.64E-04	2.52E-04	1.77E-06	9.56E-04	1.21E-03
2990	479026.63, 3850171.93	0.01718	0.01982	0.01699	2.64E-04	1.44E-06	4.56E-04	0.000721	2.69E-04	1.42E-06	5.07E-04	7.78E-04	2.56E-04	1.80E-06	9.73E-04	1.23E-03
2991	479076.63, 3850171.93	0.01737	0.02006	0.01721	2.67E-04	1.46E-06	4.62E-04	0.00073	2.72E-04	1.44E-06	5.13E-04	7.87E-04	2.59E-04	1.82E-06	9.86E-04	1.25E-03
2992	479126.63, 3850171.93	0.01754	0.02026	0.01739	2.69E-04	1.47E-06	4.66E-04	0.000737	2.75E-04	1.45E-06	5.19E-04	7.95E-04	2.61E-04	1.84E-06	9.96E-04	1.26E-03
2993	479176.63, 3850171.93	0.01769	0.02043	0.01756	2.71E-04	1.49E-06	4.71E-04	0.000744	2.77E-04	1.46E-06	5.24E-04	8.03E-04	2.64E-04	1.86E-06	1.01E-03	1.27E-03
2994	479226.63, 3850171.93	0.01788	0.02064	0.01773	2.74E-04	1.50E-06	4.76E-04	0.000751	2.80E-04	1.48E-06	5.29E-04	8.11E-04	2.66E-04	1.88E-06	1.02E-03	1.28E-03
2995	479276.63, 3850171.93	0.01803	0.0208	0.01787	2.77E-04	1.51E-06	4.79E-04	0.000757	2.83E-04	1.49E-06	5.33E-04	8.17E-04	2.69E-04	1.89E-06	1.02E-03	1.29E-03
2996	479326.63, 3850171.93	0.018	0.02072	0.01784	2.76E-04	1.51E-06	4.78E-04	0.000756	2.82E-04	1.48E-06	5.32E-04	8.16E-04	2.68E-04	1.88E-06	1.02E-03	1.29E-03
2997	479376.63, 3850171.93	0.01792	0.02055	0.01776	2.75E-04	1.50E-06	4.76E-04	0.000753	2.81E-04	1.47E-06	5.30E-04	8.12E-04	2.67E-04	1.87E-06	1.02E-03	1.29E-03
2998	478676.63, 3850221.93	0.01468	0.01602	0.01408	2.25E-04	1.17E-06	3.78E-04	0.000604	2.30E-04	1.15E-06	4.20E-04	6.51E-04	2.19E-04	1.46E-06	8.07E-04	1.03E-03
2999	478726.63, 3850221.93	0.01512	0.01667	0.01457	2.32E-04	1.21E-06	3.91E-04	0.000624	2.37E-04	1.19E-06	4.35E-04	6.73E-04	2.25E-04	1.52E-06	8.35E-04	1.06E-03
3000	478976.63, 3850221.93	0.01694	0.01945	0.01666	2.60E-04	1.42E-06	4.47E-04	0.000708	2.66E-04	1.39E-06	4.97E-04	7.64E-04	2.52E-04	1.77E-06	9.54E-04	1.21E-03
3001	479026.63, 3850221.93	0.01725	0.01988	0.017	2.65E-04	1.45E-06	4.56E-04	0.000722	2.70E-04	1.42E-06	5.07E-04	7.79E-04	2.57E-04	1.81E-06	9.74E-04	1.23E-03
3002	479076.63, 3850221.93	0.01748	0.0202	0.01727	2.68E-04	1.47E-06	4.63E-04	0.000733	2.74E-04	1.45E-06	5.15E-04	7.91E-04	2.60E-04	1.84E-06	9.89E-04	1.25E-03
3003	479126.63, 3850221.93	0.01769	0.02048	0.01752	2.71E-04	1.49E-06	4.70E-04	0.000743	2.77E-04	1.47E-06	5.23E-04	8.01E-04	2.64E-04	1.86E-06	1.00E-03	1.27E-03
3004	479176.63, 3850221.93	0.01791	0.02075	0.01775	2.75E-04	1.51E-06	4.76E-04	0.000752	2.81E-04	1.49E-06	5.30E-04	8.12E-04	2.67E-04	1.89E-06	1.02E-03	1.29E-03
3005	479226.63, 3850221.93	0.0181	0.02097	0.01794	2.78E-04	1.53E-06	4.81E-04	0.00076	2.84E-04	1.50E-06	5.35E-04	8.20E-04	2.70E-04	1.91E-06	1.03E-03	1.30E-03
3006	479276.63, 3850221.93	0.01826	0.02114	0.01809	2.80E-04	1.54E-06	4.85E-04	0.000767	2.86E-04	1.51E-06	5.40E-04	8.27E-04	2.72E-04	1.92E-06	1.04E-03	1.31E-03
3007	479326.63, 3850221.93	0.01827	0.02111	0.01811	2.80E-04	1.54E-06	4.86E-04	0.000768	2.86E-04	1.51E-06	5.40E-04	8.28E-04	2.72E-04	1.92E-06	1.04E-03	1.31E-03
3008	479376.63, 3850221.93	0.01828	0.02107	0.01811	2.81E-04	1.53E-06	4.86E-04	0.000768	2.87E-04	1.51E-06	5.40E-04	8.28E-04	2.72E-04	1.92E-06	1.04E-03	1.31E-03
3009	478676.63, 3850271.93	0.0145	0.01568	0.01384	2.23E-04	1.14E-06	3.71E-04	0.000595	2.27E-04	1.12E-06	4.13E-04	6.41E-04	2.16E-04	1.43E-06	7.93E-04	1.01E-03
3010	478726.63, 3850271.93	0.01496	0.01633	0.01433	2.30E-04	1.19E-06	3.84E-04	0.000615	2.35E-04	1.17E-06	4.27E-04	6.63E-04	2.23E-04	1.49E-06	8.21E-04	1.05E-03
3011	478976.63, 3850271.93	0.01691	0.01933	0.01656	2.59E-04	1.41E-06	4.44E-04	0.000705	2.65E-04	1.39E-06	4.94E-04	7.61E-04	2.52E-04	1.76E-06	9.49E-04	1.20E-03
3012	479026.63, 3850271.93	0.01727	0.01984	0.01695	2.65E-04	1.44E-06	4.55E-04	0.000721	2.71E-04	1.42E-06	5.06E-04	7.78E-04	2.57E-04	1.80E-06	9.71E-04	1.23E-03
3013	479076.63, 3850271.93	0.01756	0.02027	0.01729	2.69E-04	1.48E-06	4.64E-04	0.000735	2.75E-04	1.45E-06	5.16E-04	7.93E-04	2.62E-04	1.84E-06	9.90E-04	1.25E-03
3014	479126.63, 3850271.93	0.01782	0.02063	0.01759	2.73E-04	1.50E-06	4.72E-04	0.000747	2.79E-04	1.48E-06	5.25E-04	8.06E-04	2.65E-04	1.88E-06	1.01E-03	1.27E-03
3015	479176.63, 3850271.93	0.01806	0.02096	0.01786	2.77E-04	1.53E-06	4.79E-04	0.000758	2.83E-04	1.50E-06	5.33E-04	8.17E-04	2.69E-04	1.91E-06	1.02E-03	1.29E-03
3016	479226.63, 3850271.93	0.01829	0.02123	0.01809	2.81E-04	1.55E-06	4.85E-04	0.000767	2.87E-04	1.52E-06	5.40E-04	8.28E-04	2.72E-04	1.93E-06	1.04E-03	1.31E-03
3017	479276.63, 3850271.93	0.01844	0.02141	0.01826	2.83E-04	1.56E-06	4.90E-04	0.000774	2.89E-04	1.53E-06	5.45E-04	8.35E-04	2.75E-04	1.95E-06	1.05E-03	1.32E-03

3018	479326.63, 3850271.93	0.01851	0.02147	0.01834	2.84E-04	1.56E-06	4.92E-04	0.000777	2.90E-04	1.54E-06	5.47E-04	8.39E-04	2.76E-04	1.95E-06	1.05E-03	1.33E-03
3019	479376.63, 3850271.93	0.01851	0.02142	0.01835	2.84E-04	1.56E-06	4.92E-04	0.000778	2.90E-04	1.53E-06	5.47E-04	8.39E-04	2.76E-04	1.95E-06	1.05E-03	1.33E-03
3020	479053.24, 3850293.52	0.01745	0.02007	0.01712	2.68E-04	1.46E-06	4.59E-04	0.000728	2.74E-04	1.44E-06	5.11E-04	7.86E-04	2.60E-04	1.83E-06	9.81E-04	1.24E-03
3021	479103.24, 3850293.52	0.01774	0.0205	0.01746	2.72E-04	1.49E-06	4.68E-04	0.000742	2.78E-04	1.47E-06	5.21E-04	8.00E-04	2.64E-04	1.86E-06	1.00E-03	1.27E-03
3022	479153.24, 3850293.52	0.01799	0.02085	0.01775	2.76E-04	1.52E-06	4.76E-04	0.000754	2.82E-04	1.49E-06	5.30E-04	8.13E-04	2.68E-04	1.90E-06	1.02E-03	1.29E-03
3023	479203.24, 3850293.52	0.01824	0.02119	0.01803	2.80E-04	1.54E-06	4.84E-04	0.000765	2.86E-04	1.52E-06	5.38E-04	8.25E-04	2.72E-04	1.93E-06	1.03E-03	1.31E-03
3024	479253.24, 3850293.52	0.01844	0.02143	0.01824	2.83E-04	1.56E-06	4.89E-04	0.000774	2.89E-04	1.54E-06	5.44E-04	8.35E-04	2.75E-04	1.95E-06	1.04E-03	1.32E-03
3025	479303.24, 3850293.52	0.01856	0.02156	0.01838	2.85E-04	1.57E-06	4.93E-04	0.000779	2.91E-04	1.54E-06	5.48E-04	8.41E-04	2.76E-04	1.96E-06	1.05E-03	1.33E-03
3026	479353.24, 3850293.52	0.01861	0.02159	0.01845	2.86E-04	1.57E-06	4.95E-04	0.000782	2.92E-04	1.55E-06	5.50E-04	8.44E-04	2.77E-04	1.96E-06	1.06E-03	1.34E-03
3027	479153.24, 3850343.52	0.01807	0.02091	0.01776	2.77E-04	1.52E-06	4.76E-04	0.000755	2.83E-04	1.50E-06	5.30E-04	8.15E-04	2.69E-04	1.90E-06	1.02E-03	1.29E-03
3028	479203.24, 3850343.52	0.01835	0.0213	0.01808	2.82E-04	1.55E-06	4.85E-04	0.000768	2.88E-04	1.53E-06	5.39E-04	8.29E-04	2.73E-04	1.94E-06	1.04E-03	1.31E-03
3029	479253.24, 3850343.52	0.01855	0.02158	0.01832	2.85E-04	1.57E-06	4.91E-04	0.000778	2.91E-04	1.55E-06	5.47E-04	8.39E-04	2.76E-04	1.96E-06	1.05E-03	1.33E-03
3030	479303.24, 3850343.52	0.01871	0.02177	0.0185	2.87E-04	1.58E-06	4.96E-04	0.000785	2.93E-04	1.56E-06	5.52E-04	8.47E-04	2.79E-04	1.98E-06	1.06E-03	1.34E-03
3031	479353.24, 3850343.52	0.01881	0.02189	0.01863	2.89E-04	1.59E-06	5.00E-04	0.00079	2.95E-04	1.57E-06	5.56E-04	8.52E-04	2.80E-04	1.99E-06	1.07E-03	1.35E-03
3032	479203.24, 3850393.52	0.0184	0.02131	0.01806	2.82E-04	1.55E-06	4.84E-04	0.000768	2.88E-04	1.53E-06	5.39E-04	8.29E-04	2.74E-04	1.94E-06	1.03E-03	1.31E-03
3033	479253.24, 3850393.52	0.01864	0.02167	0.01835	2.86E-04	1.58E-06	4.92E-04	0.00078	2.92E-04	1.55E-06	5.47E-04	8.41E-04	2.78E-04	1.97E-06	1.05E-03	1.33E-03
3034	479303.24, 3850393.52	0.01883	0.02195	0.01859	2.89E-04	1.60E-06	4.99E-04	0.000789	2.95E-04	1.57E-06	5.55E-04	8.51E-04	2.81E-04	2.00E-06	1.06E-03	1.35E-03
3035	479353.24, 3850393.52	0.01898	0.02213	0.01877	2.91E-04	1.61E-06	5.03E-04	0.000796	2.98E-04	1.59E-06	5.60E-04	8.59E-04	2.83E-04	2.01E-06	1.08E-03	1.36E-03
3036	479403.24, 3850393.52	0.01908	0.02224	0.0189	2.93E-04	1.62E-06	5.07E-04	0.000801	2.99E-04	1.59E-06	5.64E-04	8.65E-04	2.84E-04	2.02E-06	1.08E-03	1.37E-03
3037	479453.24, 3850393.52	0.01911	0.02224	0.01895	2.93E-04	1.62E-06	5.08E-04	0.000803	3.00E-04	1.59E-06	5.65E-04	8.67E-04	2.85E-04	2.02E-06	1.09E-03	1.37E-03
3038	479503.24, 3850393.52	0.01907	0.02212	0.01891	2.93E-04	1.61E-06	5.07E-04	0.000801	2.99E-04	1.58E-06	5.64E-04	8.65E-04	2.84E-04	2.01E-06	1.08E-03	1.37E-03
3039	479303.24, 3850443.52	0.0189	0.02201	0.01862	2.90E-04	1.60E-06	4.99E-04	0.000791	2.96E-04	1.58E-06	5.55E-04	8.53E-04	2.82E-04	2.00E-06	1.07E-03	1.35E-03
3040	479353.24, 3850443.52	0.01907	0.02226	0.01884	2.93E-04	1.62E-06	5.05E-04	0.0008	2.99E-04	1.59E-06	5.62E-04	8.63E-04	2.84E-04	2.02E-06	1.08E-03	1.37E-03
3041	479403.24, 3850443.52	0.0192	0.02242	0.01901	2.95E-04	1.63E-06	5.10E-04	0.000806	3.01E-04	1.61E-06	5.67E-04	8.70E-04	2.86E-04	2.04E-06	1.09E-03	1.38E-03
3042	479453.24, 3850443.52	0.01927	0.02249	0.01911	2.96E-04	1.64E-06	5.13E-04	0.00081	3.02E-04	1.61E-06	5.70E-04	8.74E-04	2.87E-04	2.05E-06	1.09E-03	1.38E-03
3043	479503.24, 3850443.52	0.01928	0.02245	0.01913	2.96E-04	1.63E-06	5.13E-04	0.000811	3.02E-04	1.61E-06	5.71E-04	8.75E-04	2.87E-04	2.04E-06	1.10E-03	1.39E-03
3044	480327.18, 3850987.04	0.02346	0.0265	0.02264	3.60E-04	1.93E-06	6.07E-04	0.000969	3.68E-04	1.90E-06	6.75E-04	1.05E-03	3.49E-04	2.41E-06	1.30E-03	1.65E-03
3045	480377.18, 3850987.04	0.02333	0.02603	0.02244	3.58E-04	1.89E-06	6.02E-04	0.000962	3.66E-04	1.87E-06	6.69E-04	1.04E-03	3.48E-04	2.37E-06	1.29E-03	1.64E-03
3046	480427.18, 3850987.04	0.02313	0.02549	0.0222	3.55E-04	1.86E-06	5.95E-04	0.000952	3.63E-04	1.83E-06	6.62E-04	1.03E-03	3.45E-04	2.32E-06	1.27E-03	1.62E-03
3047	480477.18, 3850987.04	0.02289	0.02494	0.02193	3.51E-04	1.82E-06	5.88E-04	0.000941	3.59E-04	1.79E-06	6.54E-04	1.01E-03	3.41E-04	2.27E-06	1.26E-03	1.60E-03
3048	480327.18, 3851037.04	0.02398	0.0274	0.02317	3.68E-04	1.99E-06	6.21E-04	0.000991	3.76E-04	1.96E-06	6.91E-04	1.07E-03	3.57E-04	2.49E-06	1.33E-03	1.69E-03
3049	480377.18, 3851037.04	0.02386	0.02695	0.023	3.66E-04	1.96E-06	6.17E-04	0.000985	3.74E-04	1.93E-06	6.86E-04	1.06E-03	3.55E-04	2.45E-06	1.32E-03	1.68E-03
3050	480427.18, 3851037.04	0.0237	0.02644	0.02278	3.64E-04	1.92E-06	6.11E-04	0.000977	3.72E-04	1.89E-06	6.80E-04	1.05E-03	3.53E-04	2.41E-06	1.30E-03	1.66E-03
3051	480477.18, 3851037.04	0.02354	0.02593	0.02255	3.61E-04	1.89E-06	6.05E-04	0.000968	3.69E-04	1.86E-06	6.73E-04	1.04E-03	3.51E-04	2.36E-06	1.29E-03	1.64E-03
3052	480622.06, 3851087.39	0.02362	0.02553	0.02249	3.62E-04	1.86E-06	6.03E-04	0.000968	3.70E-04	1.83E-06	6.71E-04	1.04E-03	3.52E-04	2.32E-06	1.29E-03	1.64E-03
3053	480672.06, 3851087.39	0.02343	0.02516	0.02225	3.60E-04	1.83E-06	5.97E-04	0.000958	3.67E-04	1.80E-06	6.64E-04	1.03E-03	3.49E-04	2.29E-06	1.27E-03	1.63E-03
3054	480622.06, 3851137.39	0.02432	0.02652	0.02314	3.73E-04	1.93E-06	6.21E-04	0.000996	3.81E-04	1.90E-06	6.90E-04	1.07E-03	3.62E-04	2.41E-06	1.33E-03	1.69E-03
3055	480672.06, 3851137.39	0.02413	0.02608	0.0229	3.70E-04	1.90E-06	6.14E-04	0.000986	3.78E-04	1.87E-06	6.83E-04	1.06E-03	3.59E-04	2.37E-06	1.31E-03	1.67E-03
3056	480722.06, 3851137.39	0.02395	0.02573	0.02268	3.68E-04	1.87E-06	6.08E-04	0.000978	3.76E-04	1.84E-06	6.77E-04	1.05E-03	3.57E-04	2.34E-06	1.30E-03	1.66E-03
3057	480622.06, 3851187.39	0.02499	0.02753	0.02379	3.83E-04	2.00E-06	6.38E-04	0.001024	3.92E-04	1.97E-06	7.10E-04	1.10E-03	3.72E-04	2.50E-06	1.36E-03	1.74E-03
3058	480672.06, 3851187.39	0.02484	0.02708	0.02357	3.81E-04	1.97E-06	6.32E-04	0.001015	3.89E-04	1.94E-06	7.03E-04	1.09E-03	3.70E-04	2.46E-06	1.35E-03	1.72E-03
3059	480722.06, 3851187.39	0.02469	0.02669	0.02335	3.79E-04	1.94E-06	6.26E-04	0.001007	3.87E-04	1.91E-06	6.97E-04	1.09E-03	3.68E-04	2.43E-06	1.34E-03	1.71E-03
3060	471363.09, 3845877.25	0.00305	0.0032	0.00303	4.68E-05	2.33E-07	8.13E-05	0.000128	4.78E-05	2.29E-07	9.04E-05	1.38E-04	4.54E-05	2.91E-07	1.74E-04	2.19E-04
3061	471863.09, 3845877.25	0.00286	0.00302	0.00285	4.39E-05	2.20E-07	7.64E-05	0.000121	4.48E-05	2.16E-07	8.50E-05	1.30E-04	4.26E-05	2.75E-07	1.63E-04	2.06E-04
3062	472363.09, 3845877.25	0.003	0.00316	0.00296	4.60E-05	2.30E-07	7.94E-05	0.000126	4.70E-05	2.26E-07	8.83E-05	1.36E-04	4.47E-05	2.87E-07	1.70E-04	2.15E-04
3063	472863.09, 3845877.25	0.0025	0.00259	0.00249	3.84E-05	1.89E-07	6.68E-05	0.000105	3.92E-05	1.86E-07	7.43E-05	1.14E-04	3.72E-05	2.36E-07	1.43E-04	1.80E-04
3064	473363.09, 3845877.25	0.00266	0.00272	0.00263	4.08E-05	1.98E-07	7.05E-05	0.000112	4.17E-05	1.95E-07	7.85E-05	1.20E-04	3.96E-05	2.47E-07	1.51E-04	1.91E-04
3065	473863.09, 3845877.25	0.0029	0.00294	0.00286	4.45E-05	2.14E-07	7.67E-05	0.000121	4.55E-05	2.11E-07	8.53E-05	1.31E-04	4.32E-05	2.67E-07	1.64E-04	2.07E-04
3066	474363.09, 3845877.25	0.00376	0.00382	0.00369	5.77E-05	2.78E-07	9.90E-05	0.000157	5.90E-05	2.74E-07	1.10E-04	1.69E-04	5.60E-05	3.47E-07	2.11E-04	2.68E-04
3067	474863.09, 3845877.25	0.00471	0.00483	0.00468	7.23E-05	3.52E-07	1.26E-04	0.000198	7.38E-05	3.46E-07	1.40E-04	2.14E-04	7.02E-05	4.39E-07	2.68E-04	3.39E-04
3068	475363.09, 3845877.25	0.00517	0.00535	0.00516	7.93E-05	3.89E-07	1.38E-04	0.000218	8.11E-05	3.83E-07	1.54E-04	2.35E-04	7.70E-05	4.87E-07	2.96E-04	3.73E-04
3069	475863.09, 3845877.25	0.00507	0.00523	0.00502	7.78E-05	3.81E-07	1.35E-04	0.000213	7.95E-05	3.75E-07	1.50E-04	2.30E-04	7.55E-05	4.76E-07	2.88E-04	3.64E-04
3070	476363.09, 3845877.25	0.00441	0.00418	0.00431	6.77E-05	3.04E-07	1.16E-04	0.000184	6.91E-05	3.00E-07	1.29E-04	1.98E-04	6.57E-05	3.80E-07	2.47E-04	3.13E-04
3071	476863.09, 3845877.25	0.00381	0.0039	0.00374	5.85E-05	2.84E-07	1.00E-04	0.000159	5.97E-05	2.79E-07	1.12E-04	1.72E-04	5.68E-05	3.55E-07	2.14E-04	2.71E-04
3072	477363.09, 3845877.25	0.00348	0.00358	0.00332	5.34E-05	2.61E-07	8.90E-05	0.000143	5.46E-05	2.57E-07	9.90E-05	1.54E-04	5.18E-05	3.26E-07	1.90E-04	2.42E-04
3073	477863.09, 3845877.25	0.00313	0.00281	0.00301	4.80E-05	2.05E-07	8.07E-05	0.000129	4.91E-05	2.01E-07	8.98E-05	1.39E-04	4.66E-05	2.56E-07	1.72E-04	2.19E-04
3074	478363.09, 3845877.25	0.00298	0.00298	0.00282	4.57E-05	2.17E-07	7.56E-05	0.000122	4.67E-05	2.14E-07	8.41E-05	1.31E-04	4.44E-05	2.71E-07	1.62E-04	2.06E-04

3075	478863.09, 3845877.25	0.00284	0.0029	0.00271	4.36E-05	2.11E-07	7.27E-05	0.000116	4.45E-05	2.08E-07	8.08E-05	1.26E-04	4.23E-05	2.64E-07	1.55E-04	1.98E-04
3076	479363.09, 3845877.25	0.00283	0.00274	0.00263	4.34E-05	1.99E-07	7.05E-05	0.000114	4.44E-05	1.96E-07	7.85E-05	1.23E-04	4.22E-05	2.49E-07	1.51E-04	1.93E-04
3077	479863.09, 3845877.25	0.00263	0.00238	0.00247	4.04E-05	1.73E-07	6.62E-05	0.000107	4.12E-05	1.71E-07	7.37E-05	1.15E-04	3.92E-05	2.16E-07	1.41E-04	1.81E-04
3078	480363.09, 3845877.25	0.0023	0.00219	0.0022	3.53E-05	1.59E-07	5.90E-05	9.45E-05	3.61E-05	1.57E-07	6.56E-05	1.02E-04	3.43E-05	1.99E-07	1.26E-04	1.60E-04
3079	480863.09, 3845877.25	0.00215	0.00227	0.00204	3.30E-05	1.65E-07	5.47E-05	8.79E-05	3.37E-05	1.63E-07	6.09E-05	9.47E-05	3.20E-05	2.06E-07	1.17E-04	1.49E-04
3080	481363.09, 3845877.25	0.00201	0.00204	0.00191	3.08E-05	1.48E-07	5.12E-05	8.22E-05	3.15E-05	1.46E-07	5.70E-05	8.86E-05	2.99E-05	1.86E-07	1.09E-04	1.40E-04
3081	481863.09, 3845877.25	0.00187	0.00178	0.0018	2.87E-05	1.30E-07	4.83E-05	7.71E-05	2.93E-05	1.28E-07	5.37E-05	8.31E-05	2.79E-05	1.62E-07	1.03E-04	1.31E-04
3082	482363.09, 3845877.25	0.00172	0.0018	0.00164	2.64E-05	1.31E-07	4.40E-05	7.05E-05	2.70E-05	1.29E-07	4.89E-05	7.60E-05	2.56E-05	1.64E-07	9.39E-05	1.20E-04
3083	482863.09, 3845877.25	0.00145	0.00155	0.00141	2.23E-05	1.13E-07	3.78E-05	6.02E-05	2.27E-05	1.11E-07	4.21E-05	6.49E-05	2.16E-05	1.41E-07	8.08E-05	1.03E-04
3084	483363.09, 3845877.25	0.00131	0.00131	0.0013	2.01E-05	9.54E-08	3.49E-05	5.51E-05	2.05E-05	9.39E-08	3.88E-05	5.94E-05	1.95E-05	1.19E-07	7.45E-05	9.41E-05
3085	483863.09, 3845877.25	0.00147	0.00145	0.00142	2.26E-05	1.06E-07	3.81E-05	6.07E-05	2.30E-05	1.04E-07	4.24E-05	6.55E-05	2.19E-05	1.32E-07	8.13E-05	1.03E-04
3086	484363.09, 3845877.25	0.00145	0.00143	0.0014	2.23E-05	1.04E-07	3.75E-05	5.99E-05	2.27E-05	1.02E-07	4.18E-05	6.46E-05	2.16E-05	1.30E-07	8.02E-05	1.02E-04
3087	484863.09, 3845877.25	0.00138	0.00139	0.00133	2.12E-05	1.01E-07	3.57E-05	5.69E-05	2.16E-05	9.96E-08	3.97E-05	6.14E-05	2.06E-05	1.26E-07	7.62E-05	9.69E-05
3088	485363.09, 3845877.25	0.00129	0.00133	0.00127	1.98E-05	9.68E-08	3.41E-05	5.4E-05	2.02E-05	9.53E-08	3.79E-05	5.82E-05	1.92E-05	1.21E-07	7.28E-05	9.21E-05
3089	485863.09, 3845877.25	0.00127	0.00126	0.00126	1.95E-05	9.17E-08	3.38E-05	5.34E-05	1.99E-05	9.03E-08	3.76E-05	5.76E-05	1.89E-05	1.15E-07	7.22E-05	9.12E-05
3090	486363.09, 3845877.25	0.00123	0.00128	0.00122	1.89E-05	9.32E-08	3.27E-05	5.17E-05	1.93E-05	9.17E-08	3.64E-05	5.58E-05	1.83E-05	1.16E-07	6.99E-05	8.83E-05
3091	486863.09, 3845877.25	0.00115	0.00126	0.00115	1.76E-05	9.17E-08	3.08E-05	4.86E-05	1.80E-05	9.03E-08	3.43E-05	5.24E-05	1.71E-05	1.15E-07	6.59E-05	8.31E-05
3092	487363.09, 3845877.25	0.00112	0.00122	0.00113	1.72E-05	8.88E-08	3.03E-05	4.76E-05	1.76E-05	8.74E-08	3.37E-05	5.14E-05	1.67E-05	1.11E-07	6.47E-05	8.15E-05
3093	487863.09, 3845877.25	0.00106	0.00113	0.00108	1.63E-05	8.23E-08	2.90E-05	4.53E-05	1.66E-05	8.10E-08	3.22E-05	4.89E-05	1.58E-05	1.03E-07	6.19E-05	7.78E-05
3094	488363.09, 3845877.25	0.00103	0.00113	0.00107	1.58E-05	8.23E-08	2.87E-05	4.46E-05	1.61E-05	8.10E-08	3.19E-05	4.82E-05	1.53E-05	1.03E-07	6.13E-05	7.67E-05
3095	488863.09, 3845877.25	0.00112	0.0012	0.00114	1.72E-05	8.74E-08	3.06E-05	4.78E-05	1.76E-05	8.60E-08	3.40E-05	5.17E-05	1.67E-05	1.09E-07	6.53E-05	8.21E-05
3096	489363.09, 3845877.25	0.00112	0.00119	0.00116	1.72E-05	8.66E-08	3.11E-05	4.84E-05	1.76E-05	8.53E-08	3.46E-05	5.23E-05	1.67E-05	1.08E-07	6.65E-05	8.32E-05
3097	489863.09, 3845877.25	0.00109	0.00123	0.00116	1.67E-05	8.95E-08	3.11E-05	4.79E-05	1.71E-05	8.81E-08	3.46E-05	5.18E-05	1.62E-05	1.12E-07	6.65E-05	8.28E-05
3098	490363.09, 3845877.25	0.00105	0.0013	0.00114	1.61E-05	9.46E-08	3.06E-05	4.68E-05	1.65E-05	9.31E-08	3.40E-05	5.06E-05	1.56E-05	1.18E-07	6.53E-05	8.11E-05
3099	490863.09, 3845877.25	0.00097	0.0013	0.00108	1.49E-05	9.46E-08	2.90E-05	4.39E-05	1.52E-05	9.31E-08	3.22E-05	4.75E-05	1.45E-05	1.18E-07	6.19E-05	7.64E-05
3100	491363.09, 3845877.25	0.00105	0.00139	0.00116	1.61E-05	1.01E-07	3.11E-05	4.73E-05	1.65E-05	9.96E-08	3.46E-05	5.12E-05	1.56E-05	1.26E-07	6.65E-05	8.22E-05
3101	491863.09, 3845877.25	0.00112	0.0014	0.00122	1.72E-05	1.02E-07	3.27E-05	5E-05	1.76E-05	1.00E-07	3.64E-05	5.41E-05	1.67E-05	1.27E-07	6.99E-05	8.67E-05
3102	492363.09, 3845877.25	0.00106	0.0013	0.00118	1.63E-05	9.46E-08	3.16E-05	4.8E-05	1.66E-05	9.31E-08	3.52E-05	5.19E-05	1.58E-05	1.18E-07	6.76E-05	8.35E-05
3103	492863.09, 3845877.25	0.00122	0.00149	0.00132	1.87E-05	1.08E-07	3.54E-05	5.42E-05	1.91E-05	1.07E-07	3.94E-05	5.86E-05	1.82E-05	1.36E-07	7.56E-05	9.39E-05
3104	493363.09, 3845877.25	0.0013	0.00159	0.00141	1.99E-05	1.16E-07	3.78E-05	5.79E-05	2.04E-05	1.14E-07	4.21E-05	6.26E-05	1.94E-05	1.45E-07	8.08E-05	1.00E-04
3105	493863.09, 3845877.25	0.0014	0.00169	0.0015	2.15E-05	1.23E-07	4.02E-05	6.18E-05	2.20E-05	1.21E-07	4.47E-05	6.68E-05	2.09E-05	1.54E-07	8.59E-05	1.07E-04
3106	494363.09, 3845877.25	0.00149	0.00179	0.0016	2.29E-05	1.30E-07	4.29E-05	6.59E-05	2.34E-05	1.28E-07	4.77E-05	7.12E-05	2.22E-05	1.63E-07	9.17E-05	1.14E-04
3107	494863.09, 3845877.25	0.00157	0.00187	0.00169	2.41E-05	1.36E-07	4.53E-05	6.96E-05	2.46E-05	1.34E-07	5.04E-05	7.52E-05	2.34E-05	1.70E-07	9.68E-05	1.20E-04
3108	495363.09, 3845877.25	0.00168	0.00202	0.0018	2.58E-05	1.47E-07	4.83E-05	7.42E-05	2.63E-05	1.45E-07	5.37E-05	8.02E-05	2.50E-05	1.84E-07	1.03E-04	1.28E-04
3109	495863.09, 3845877.25	0.00181	0.00226	0.00194	2.78E-05	1.65E-07	5.20E-05	8E-05	2.84E-05	1.62E-07	5.79E-05	8.64E-05	2.70E-05	2.06E-07	1.11E-04	1.38E-04
3110	496363.09, 3845877.25	0.00195	0.00249	0.00208	2.99E-05	1.81E-07	5.58E-05	8.59E-05	3.06E-05	1.78E-07	6.21E-05	9.28E-05	2.90E-05	2.26E-07	1.19E-04	1.48E-04
3111	496863.09, 3845877.25	0.00205	0.00264	0.00219	3.15E-05	1.92E-07	5.87E-05	9.04E-05	3.21E-05	1.89E-07	6.53E-05	9.77E-05	3.05E-05	2.40E-07	1.25E-04	1.56E-04
3112	497363.09, 3845877.25	0.00216	0.00279	0.00231	3.31E-05	2.03E-07	6.20E-05	9.53E-05	3.39E-05	2.00E-07	6.89E-05	1.03E-04	3.22E-05	2.54E-07	1.32E-04	1.65E-04
3113	497863.09, 3845877.25	0.00229	0.00297	0.00244	3.51E-05	2.16E-07	6.54E-05	0.000101	3.59E-05	2.13E-07	7.28E-05	1.09E-04	3.41E-05	2.70E-07	1.40E-04	1.74E-04
3114	498363.09, 3845877.25	0.0024	0.00314	0.00256	3.68E-05	2.29E-07	6.87E-05	0.000106	3.76E-05	2.25E-07	7.64E-05	1.14E-04	3.58E-05	2.86E-07	1.47E-04	1.83E-04
3115	471363.09, 3846377.25	0.00502	0.00517	0.00481	7.70E-05	3.76E-07	1.29E-04	0.000206	7.87E-05	3.70E-07	1.43E-04	2.23E-04	7.48E-05	4.70E-07	2.76E-04	3.51E-04
3116	471863.09, 3846377.25	0.00448	0.00466	0.00434	6.87E-05	3.39E-07	1.16E-04	0.000185	7.02E-05	3.34E-07	1.29E-04	2.00E-04	6.67E-05	4.24E-07	2.49E-04	3.16E-04
3117	472363.09, 3846377.25	0.0031	0.00328	0.0031	4.76E-05	2.39E-07	8.31E-05	0.000131	4.86E-05	2.35E-07	9.25E-05	1.41E-04	4.62E-05	2.98E-07	1.78E-04	2.24E-04
3118	472863.09, 3846377.25	0.00304	0.00324	0.00302	4.66E-05	2.36E-07	8.10E-05	0.000128	4.77E-05	2.32E-07	9.01E-05	1.38E-04	4.53E-05	2.95E-07	1.73E-04	2.19E-04
3119	473363.09, 3846377.25	0.00292	0.00303	0.00288	4.48E-05	2.21E-07	7.72E-05	0.000122	4.58E-05	2.17E-07	8.59E-05	1.32E-04	4.35E-05	2.76E-07	1.65E-04	2.09E-04
3120	473863.09, 3846377.25	0.00321	0.00326	0.00314	4.93E-05	2.37E-07	8.42E-05	0.000134	5.03E-05	2.34E-07	9.37E-05	1.44E-04	4.78E-05	2.97E-07	1.80E-04	2.28E-04
3121	474363.09, 3846377.25	0.00359	0.00362	0.0035	5.51E-05	2.64E-07	9.39E-05	0.000149	5.63E-05	2.59E-07	1.04E-04	1.61E-04	5.35E-05	3.29E-07	2.00E-04	2.54E-04
3122	474863.09, 3846377.25	0.00459	0.00467	0.00449	7.04E-05	3.40E-07	1.20E-04	0.000191	7.20E-05	3.35E-07	1.34E-04	2.06E-04	6.84E-05	4.25E-07	2.57E-04	3.26E-04
3123	475363.09, 3846377.25	0.00557	0.00574	0.00552	8.55E-05	4.18E-07	1.48E-04	0.000234	8.73E-05	4.11E-07	1.65E-04	2.52E-04	8.30E-05	5.22E-07	3.16E-04	4.00E-04
3124	475863.09, 3846377.25	0.00599	0.00626	0.00598	9.19E-05	4.56E-07	1.60E-04	0.000253	9.39E-05	4.49E-07	1.78E-04	2.73E-04	8.92E-05	5.69E-07	3.43E-04	4.32E-04
3125	476363.09, 3846377.25	0.00551	0.00565	0.00545	8.46E-05	4.11E-07	1.46E-04	0.000231	8.64E-05	4.05E-07	1.63E-04	2.49E-04	8.21E-05	5.14E-07	3.12E-04	3.95E-04
3126	476863.09, 3846377.25	0.00475	0.0045	0.00465	7.29E-05	3.28E-07	1.25E-04	0.000198	7.45E-05	3.22E-07	1.39E-04	2.14E-04	7.08E-05	4.09E-07	2.66E-04	3.38E-04
3127	477363.09, 3846377.25	0.00421	0.00443	0.00411	6.46E-05	3.22E-07	1.10E-04	0.000175	6.60E-05	3.17E-07	1.23E-04	1.89E-04	6.27E-05	4.03E-07	2.35E-04	2.99E-04
3128	477863.09, 3846377.25	0.00371	0.00363	0.00353	5.69E-05	2.64E-07	9.47E-05	0.000152	5.82E-05	2.60E-07	1.05E-04	1.64E-04	5.53E-05	3.30E-07	2.02E-04	2.58E-04
3129	478363.09, 3846377.25	0.00344	0.00325	0.0033	5.28E-05	2.37E-07	8.85E-05	0.000142	5.39E-05	2.33E-07	9.84E-05	1.53E-04	5.12E-05	2.96E-07	1.89E-04	2.41E-04
3130	478863.09, 3846377.25	0.00342	0.00349	0.00328	5.25E-05	2.54E-07	8.80E-05	0.000141	5.36E-05	2.50E-07	9.79E-05	1.52E-04	5.09E-05	3.17E-07	1.88E-04	2.39E-04
3131	479363.09, 3846377.25	0.00326	0.00336	0.0031	5.00E-05	2.45E-07	8.31E-05	0.000133	5.11E-05	2.41E-07	9.25E-05	1.44E-04	4.86E-05	3.06E-07	1.78E-04	2.26E-04

3132	479863.09, 3846377.25	0.00299	0.00273	0.00279	4.59E-05	1.99E-07	7.48E-05	0.000121	4.69E-05	1.96E-07	8.32E-05	1.30E-04	4.45E-05	2.48E-07	1.60E-04	2.05E-04
3133	480363.09, 3846377.25	0.00285	0.00261	0.00271	4.37E-05	1.90E-07	7.27E-05	0.000117	4.47E-05	1.87E-07	8.08E-05	1.26E-04	4.25E-05	2.37E-07	1.55E-04	1.98E-04
3134	480863.09, 3846377.25	0.00247	0.00249	0.00235	3.79E-05	1.81E-07	6.30E-05	0.000101	3.87E-05	1.78E-07	7.01E-05	1.09E-04	3.68E-05	2.26E-07	1.35E-04	1.72E-04
3135	481363.09, 3846377.25	0.00234	0.00246	0.00221	3.59E-05	1.79E-07	5.93E-05	9.54E-05	3.67E-05	1.76E-07	6.59E-05	1.03E-04	3.49E-05	2.24E-07	1.27E-04	1.62E-04
3136	481863.09, 3846377.25	0.00216	0.00203	0.00206	3.31E-05	1.48E-07	5.53E-05	8.85E-05	3.39E-05	1.45E-07	6.15E-05	9.55E-05	3.22E-05	1.85E-07	1.18E-04	1.50E-04
3137	482363.09, 3846377.25	0.00193	0.00198	0.00185	2.96E-05	1.44E-07	4.96E-05	7.94E-05	3.03E-05	1.42E-07	5.52E-05	8.56E-05	2.88E-05	1.80E-07	1.06E-04	1.35E-04
3138	482863.09, 3846377.25	0.00168	0.00176	0.00161	2.58E-05	1.28E-07	4.32E-05	6.91E-05	2.63E-05	1.26E-07	4.80E-05	7.45E-05	2.50E-05	1.60E-07	9.22E-05	1.17E-04
3139	483363.09, 3846377.25	0.0017	0.00165	0.00164	2.61E-05	1.20E-07	4.40E-05	7.02E-05	2.67E-05	1.18E-07	4.89E-05	7.57E-05	2.53E-05	1.50E-07	9.39E-05	1.19E-04
3140	483863.09, 3846377.25	0.00166	0.00164	0.00159	2.55E-05	1.19E-07	4.26E-05	6.82E-05	2.60E-05	1.18E-07	4.74E-05	7.36E-05	2.47E-05	1.49E-07	9.11E-05	1.16E-04
3141	484363.09, 3846377.25	0.00152	0.0015	0.00147	2.33E-05	1.09E-07	3.94E-05	6.29E-05	2.38E-05	1.07E-07	4.39E-05	6.78E-05	2.26E-05	1.36E-07	8.42E-05	1.07E-04
3142	484863.09, 3846377.25	0.00159	0.00156	0.00152	2.44E-05	1.14E-07	4.08E-05	6.53E-05	2.49E-05	1.12E-07	4.53E-05	7.04E-05	2.37E-05	1.42E-07	8.71E-05	1.11E-04
3143	485363.09, 3846377.25	0.00154	0.00154	0.00149	2.36E-05	1.12E-07	4.00E-05	6.37E-05	2.41E-05	1.10E-07	4.45E-05	6.87E-05	2.29E-05	1.40E-07	8.54E-05	1.08E-04
3144	485863.09, 3846377.25	0.00143	0.00142	0.0014	2.19E-05	1.03E-07	3.75E-05	5.96E-05	2.24E-05	1.02E-07	4.18E-05	6.43E-05	2.13E-05	1.29E-07	8.02E-05	1.02E-04
3145	486363.09, 3846377.25	0.00125	0.00134	0.00125	1.92E-05	9.75E-08	3.35E-05	5.28E-05	1.96E-05	9.60E-08	3.73E-05	5.70E-05	1.86E-05	1.22E-07	7.16E-05	9.03E-05
3146	486863.09, 3846377.25	0.00119	0.00131	0.00119	1.83E-05	9.54E-08	3.19E-05	5.03E-05	1.87E-05	9.39E-08	3.55E-05	5.43E-05	1.77E-05	1.19E-07	6.82E-05	8.60E-05
3147	487363.09, 3846377.25	0.00119	0.00128	0.0012	1.83E-05	9.32E-08	3.22E-05	5.05E-05	1.87E-05	9.17E-08	3.58E-05	5.45E-05	1.77E-05	1.16E-07	6.87E-05	8.66E-05
3148	487863.09, 3846377.25	0.00127	0.0013	0.00127	1.95E-05	9.46E-08	3.41E-05	5.36E-05	1.99E-05	9.31E-08	3.79E-05	5.79E-05	1.89E-05	1.18E-07	7.28E-05	9.18E-05
3149	488363.09, 3846377.25	0.00124	0.00134	0.00125	1.90E-05	9.75E-08	3.35E-05	5.27E-05	1.94E-05	9.60E-08	3.73E-05	5.68E-05	1.85E-05	1.22E-07	7.16E-05	9.02E-05
3150	488863.09, 3846377.25	0.00124	0.00131	0.00127	1.90E-05	9.54E-08	3.41E-05	5.32E-05	1.94E-05	9.39E-08	3.79E-05	5.74E-05	1.85E-05	1.19E-07	7.28E-05	9.13E-05
3151	489363.09, 3846377.25	0.00124	0.00134	0.00129	1.90E-05	9.75E-08	3.46E-05	5.37E-05	1.94E-05	9.60E-08	3.85E-05	5.80E-05	1.85E-05	1.22E-07	7.39E-05	9.25E-05
3152	489863.09, 3846377.25	0.00121	0.00143	0.00128	1.86E-05	1.04E-07	3.43E-05	5.3E-05	1.90E-05	1.02E-07	3.82E-05	5.73E-05	1.80E-05	1.30E-07	7.33E-05	9.15E-05
3153	490363.09, 3846377.25	0.00111	0.00145	0.00121	1.70E-05	1.06E-07	3.25E-05	4.96E-05	1.74E-05	1.04E-07	3.61E-05	5.36E-05	1.65E-05	1.32E-07	6.93E-05	8.60E-05
3154	490863.09, 3846377.25	0.00109	0.00145	0.0012	1.67E-05	1.06E-07	3.22E-05	4.9E-05	1.71E-05	1.04E-07	3.58E-05	5.30E-05	1.62E-05	1.32E-07	6.87E-05	8.51E-05
3155	491363.09, 3846377.25	0.00111	0.00143	0.00123	1.70E-05	1.04E-07	3.30E-05	5.01E-05	1.74E-05	1.02E-07	3.67E-05	5.42E-05	1.65E-05	1.30E-07	7.05E-05	8.71E-05
3156	491863.09, 3846377.25	0.00125	0.00151	0.00135	1.92E-05	1.10E-07	3.62E-05	5.55E-05	1.96E-05	1.08E-07	4.03E-05	6.00E-05	1.86E-05	1.37E-07	7.73E-05	9.61E-05
3157	492363.09, 3846377.25	0.00126	0.00155	0.00138	1.93E-05	1.13E-07	3.70E-05	5.65E-05	1.98E-05	1.11E-07	4.12E-05	6.10E-05	1.88E-05	1.41E-07	7.91E-05	9.80E-05
3158	492863.09, 3846377.25	0.00132	0.00164	0.00143	2.03E-05	1.19E-07	3.84E-05	5.87E-05	2.07E-05	1.18E-07	4.27E-05	6.35E-05	1.97E-05	1.49E-07	8.19E-05	1.02E-04
3159	493363.09, 3846377.25	0.00146	0.00178	0.00157	2.24E-05	1.30E-07	4.21E-05	6.46E-05	2.29E-05	1.28E-07	4.68E-05	6.99E-05	2.17E-05	1.62E-07	8.99E-05	1.12E-04
3160	493863.09, 3846377.25	0.00157	0.00189	0.00168	2.41E-05	1.38E-07	4.51E-05	6.93E-05	2.46E-05	1.35E-07	5.01E-05	7.49E-05	2.34E-05	1.72E-07	9.62E-05	1.20E-04
3161	494363.09, 3846377.25	0.00168	0.00201	0.0018	2.58E-05	1.46E-07	4.83E-05	7.42E-05	2.63E-05	1.44E-07	5.37E-05	8.02E-05	2.50E-05	1.83E-07	1.03E-04	1.28E-04
3162	494863.09, 3846377.25	0.0018	0.00217	0.00192	2.76E-05	1.58E-07	5.15E-05	7.93E-05	2.82E-05	1.55E-07	5.73E-05	8.57E-05	2.68E-05	1.97E-07	1.10E-04	1.37E-04
3163	495363.09, 3846377.25	0.00192	0.00242	0.00206	2.95E-05	1.76E-07	5.53E-05	8.49E-05	3.01E-05	1.73E-07	6.15E-05	9.17E-05	2.86E-05	2.20E-07	1.18E-04	1.47E-04
3164	495863.09, 3846377.25	0.00207	0.0027	0.00222	3.18E-05	1.97E-07	5.95E-05	9.15E-05	3.25E-05	1.93E-07	6.62E-05	9.89E-05	3.08E-05	2.46E-07	1.27E-04	1.58E-04
3165	496363.09, 3846377.25	0.00223	0.00291	0.00238	3.42E-05	2.12E-07	6.38E-05	9.83E-05	3.50E-05	2.09E-07	7.10E-05	1.06E-04	3.32E-05	2.65E-07	1.36E-04	1.70E-04
3166	496863.09, 3846377.25	0.00238	0.00311	0.00254	3.65E-05	2.26E-07	6.81E-05	0.000105	3.73E-05	2.23E-07	7.58E-05	1.13E-04	3.55E-05	2.83E-07	1.46E-04	1.81E-04
3167	497363.09, 3846377.25	0.00252	0.00332	0.0027	3.87E-05	2.42E-07	7.24E-05	0.000111	3.95E-05	2.38E-07	8.05E-05	1.20E-04	3.75E-05	3.02E-07	1.55E-04	1.93E-04
3168	497863.09, 3846377.25	0.00266	0.00352	0.00283	4.08E-05	2.56E-07	7.59E-05	0.000117	4.17E-05	2.52E-07	8.44E-05	1.26E-04	3.96E-05	3.20E-07	1.62E-04	2.02E-04
3169	498363.09, 3846377.25	0.00278	0.00368	0.00295	4.27E-05	2.68E-07	7.91E-05	0.000122	4.36E-05	2.64E-07	8.80E-05	1.32E-04	4.14E-05	3.35E-07	1.69E-04	2.11E-04
3170	471363.09, 3846877.25	0.00547	0.00579	0.0053	8.39E-05	4.21E-07	1.42E-04	0.000227	8.58E-05	4.15E-07	1.58E-04	2.44E-04	8.15E-05	5.27E-07	3.04E-04	3.86E-04
3171	471863.09, 3846877.25	0.00555	0.00576	0.00531	8.52E-05	4.19E-07	1.42E-04	0.000228	8.70E-05	4.13E-07	1.58E-04	2.46E-04	8.27E-05	5.24E-07	3.04E-04	3.87E-04
3172	472363.09, 3846877.25	0.00523	0.00545	0.00504	8.03E-05	3.97E-07	1.35E-04	0.000216	8.20E-05	3.91E-07	1.50E-04	2.33E-04	7.79E-05	4.96E-07	2.89E-04	3.67E-04
3173	472863.09, 3846877.25	0.00335	0.00356	0.00335	5.14E-05	2.59E-07	8.98E-05	0.000142	5.25E-05	2.55E-07	9.99E-05	1.53E-04	4.99E-05	3.24E-07	1.92E-04	2.42E-04
3174	473363.09, 3846877.25	0.00354	0.00376	0.0035	5.43E-05	2.74E-07	9.39E-05	0.000148	5.55E-05	2.69E-07	1.04E-04	1.60E-04	5.27E-05	3.42E-07	2.00E-04	2.54E-04
3175	473863.09, 3846877.25	0.00366	0.00381	0.00357	5.62E-05	2.77E-07	9.57E-05	0.000152	5.74E-05	2.73E-07	1.07E-04	1.64E-04	5.45E-05	3.47E-07	2.05E-04	2.59E-04
3176	474363.09, 3846877.25	0.00372	0.00377	0.00361	5.71E-05	2.74E-07	9.68E-05	0.000154	5.83E-05	2.70E-07	1.08E-04	1.66E-04	5.54E-05	3.43E-07	2.07E-04	2.63E-04
3177	474863.09, 3846877.25	0.00408	0.00411	0.00397	6.26E-05	2.99E-07	1.06E-04	0.000169	6.40E-05	2.94E-07	1.18E-04	1.83E-04	6.08E-05	3.74E-07	2.27E-04	2.89E-04
3178	475363.09, 3846877.25	0.00484	0.00494	0.00473	7.43E-05	3.60E-07	1.27E-04	0.000201	7.59E-05	3.54E-07	1.41E-04	2.17E-04	7.21E-05	4.49E-07	2.71E-04	3.44E-04
3179	475863.09, 3846877.25	0.00627	0.00651	0.00621	9.62E-05	4.74E-07	1.67E-04	0.000263	9.83E-05	4.66E-07	1.85E-04	2.84E-04	9.34E-05	5.92E-07	3.56E-04	4.50E-04
3180	476363.09, 3846877.25	0.00658	0.00691	0.00656	1.01E-04	5.03E-07	1.76E-04	0.000277	1.03E-04	4.95E-07	1.96E-04	2.99E-04	9.80E-05	6.29E-07	3.76E-04	4.74E-04
3181	476863.09, 3846877.25	0.00598	0.00607	0.00589	9.18E-05	4.42E-07	1.58E-04	0.00025	9.38E-05	4.35E-07	1.76E-04	2.70E-04	8.91E-05	5.52E-07	3.37E-04	4.27E-04
3182	477363.09, 3846877.25	0.00521	0.00496	0.00509	7.99E-05	3.61E-07	1.37E-04	0.000217	8.17E-05	3.55E-07	1.52E-04	2.34E-04	7.76E-05	4.51E-07	2.92E-04	3.70E-04
3183	477863.09, 3846877.25	0.00452	0.00485	0.00438	6.94E-05	3.53E-07	1.17E-04	0.000187	7.09E-05	3.48E-07	1.31E-04	2.02E-04	6.73E-05	4.41E-07	2.51E-04	3.19E-04
3184	478363.09, 3846877.25	0.00416	0.00385	0.00394	6.38E-05	2.80E-07	1.06E-04	0.00017	6.52E-05	2.76E-07	1.18E-04	1.83E-04	6.20E-05	3.50E-07	2.26E-04	2.88E-04
3185	478863.09, 3846877.25	0.0041	0.004	0.00388	6.29E-05	2.91E-07	1.04E-04	0.000167	6.43E-05	2.87E-07	1.16E-04	1.80E-04	6.11E-05	3.64E-07	2.22E-04	2.84E-04
3186	479363.09, 3846877.25	0.00385	0.004	0.00368	5.91E-05	2.91E-07	9.87E-05	0.000158	6.04E-05	2.87E-07	1.10E-04	1.70E-04	5.74E-05	3.64E-07	2.11E-04	2.69E-04
3187	479863.09, 3846877.25	0.00305	0.00298	0.00287	4.68E-05	2.17E-07	7.70E-05	0.000124	4.78E-05	2.14E-07	8.56E-05	1.34E-04	4.54E-05	2.71E-07	1.64E-04	2.10E-04
3188	480363.09, 3846877.25	0.00259	0.00244	0.00247	3.97E-05	1.78E-07	6.62E-05	0.000106	4.06E-05	1.75E-07	7.37E-05	1.14E-04	3.86E-05	2.22E-07	1.41E-04	1.80E-04

3189	480863.09, 3846877.25	0.00241	0.00239	0.00233	3.70E-05	1.74E-07	6.25E-05	9.96E-05	3.78E-05	1.71E-07	6.95E-05	1.07E-04	3.59E-05	2.17E-07	1.33E-04	1.70E-04
3190	481363.09, 3846877.25	0.00247	0.00262	0.00234	3.79E-05	1.91E-07	6.28E-05	0.000101	3.87E-05	1.88E-07	6.98E-05	1.09E-04	3.68E-05	2.38E-07	1.34E-04	1.71E-04
3191	481863.09, 3846877.25	0.00237	0.00231	0.00226	3.64E-05	1.68E-07	6.06E-05	9.72E-05	3.72E-05	1.66E-07	6.74E-05	1.05E-04	3.53E-05	2.10E-07	1.29E-04	1.65E-04
3192	482363.09, 3846877.25	0.00207	0.0021	0.00199	3.18E-05	1.53E-07	5.34E-05	8.53E-05	3.25E-05	1.50E-07	5.94E-05	9.20E-05	3.08E-05	1.91E-07	1.14E-04	1.45E-04
3193	482863.09, 3846877.25	0.00202	0.00209	0.00191	3.10E-05	1.52E-07	5.12E-05	8.24E-05	3.17E-05	1.50E-07	5.70E-05	8.88E-05	3.01E-05	1.90E-07	1.09E-04	1.40E-04
3194	483363.09, 3846877.25	0.00194	0.00185	0.00185	2.98E-05	1.35E-07	4.96E-05	7.95E-05	3.04E-05	1.33E-07	5.52E-05	8.57E-05	2.89E-05	1.68E-07	1.06E-04	1.35E-04
3195	483863.09, 3846877.25	0.00187	0.00187	0.00179	2.87E-05	1.36E-07	4.80E-05	7.68E-05	2.93E-05	1.34E-07	5.34E-05	8.29E-05	2.79E-05	1.70E-07	1.03E-04	1.31E-04
3196	484363.09, 3846877.25	0.00181	0.00177	0.00173	2.78E-05	1.29E-07	4.64E-05	7.43E-05	2.84E-05	1.27E-07	5.16E-05	8.01E-05	2.70E-05	1.61E-07	9.91E-05	1.26E-04
3197	484863.09, 3846877.25	0.00175	0.00169	0.00166	2.69E-05	1.23E-07	4.45E-05	7.15E-05	2.74E-05	1.21E-07	4.95E-05	7.71E-05	2.61E-05	1.54E-07	9.51E-05	1.21E-04
3198	485363.09, 3846877.25	0.00171	0.00168	0.00165	2.62E-05	1.22E-07	4.43E-05	7.06E-05	2.68E-05	1.20E-07	4.92E-05	7.62E-05	2.55E-05	1.53E-07	9.45E-05	1.20E-04
3199	485863.09, 3846877.25	0.0016	0.00164	0.00157	2.46E-05	1.19E-07	4.21E-05	6.68E-05	2.51E-05	1.18E-07	4.68E-05	7.20E-05	2.38E-05	1.49E-07	8.99E-05	1.14E-04
3200	486363.09, 3846877.25	0.00163	0.00172	0.00157	2.50E-05	1.25E-07	4.21E-05	6.72E-05	2.56E-05	1.23E-07	4.68E-05	7.25E-05	2.43E-05	1.56E-07	8.99E-05	1.14E-04
3201	486863.09, 3846877.25	0.00144	0.00152	0.00141	2.21E-05	1.11E-07	3.78E-05	6E-05	2.26E-05	1.09E-07	4.21E-05	6.48E-05	2.15E-05	1.38E-07	8.08E-05	1.02E-04
3202	487363.09, 3846877.25	0.00143	0.00148	0.00141	2.19E-05	1.08E-07	3.78E-05	5.99E-05	2.24E-05	1.06E-07	4.21E-05	6.46E-05	2.13E-05	1.35E-07	8.08E-05	1.02E-04
3203	487863.09, 3846877.25	0.0014	0.00146	0.0014	2.15E-05	1.06E-07	3.75E-05	5.91E-05	2.20E-05	1.05E-07	4.18E-05	6.38E-05	2.09E-05	1.33E-07	8.02E-05	1.01E-04
3204	488363.09, 3846877.25	0.00137	0.00149	0.00139	2.10E-05	1.08E-07	3.73E-05	5.84E-05	2.15E-05	1.07E-07	4.15E-05	6.31E-05	2.04E-05	1.36E-07	7.96E-05	1.00E-04
3205	488863.09, 3846877.25	0.00138	0.00145	0.00142	2.12E-05	1.06E-07	3.81E-05	5.94E-05	2.16E-05	1.04E-07	4.24E-05	6.41E-05	2.06E-05	1.32E-07	8.13E-05	1.02E-04
3206	489363.09, 3846877.25	0.00139	0.00155	0.00145	2.13E-05	1.13E-07	3.89E-05	6.03E-05	2.18E-05	1.11E-07	4.33E-05	6.52E-05	2.07E-05	1.41E-07	8.31E-05	1.04E-04
3207	489863.09, 3846877.25	0.00138	0.00171	0.00144	2.12E-05	1.24E-07	3.86E-05	5.99E-05	2.16E-05	1.23E-07	4.30E-05	6.47E-05	2.06E-05	1.56E-07	8.25E-05	1.03E-04
3208	490363.09, 3846877.25	0.00128	0.0017	0.00137	1.96E-05	1.24E-07	3.67E-05	5.65E-05	2.01E-05	1.22E-07	4.09E-05	6.11E-05	1.91E-05	1.55E-07	7.85E-05	9.77E-05
3209	490863.09, 3846877.25	0.00129	0.00165	0.00139	1.98E-05	1.20E-07	3.73E-05	5.72E-05	2.02E-05	1.18E-07	4.15E-05	6.18E-05	1.92E-05	1.50E-07	7.96E-05	9.90E-05
3210	491363.09, 3846877.25	0.00132	0.00164	0.00143	2.03E-05	1.19E-07	3.84E-05	5.87E-05	2.07E-05	1.18E-07	4.27E-05	6.35E-05	1.97E-05	1.49E-07	8.19E-05	1.02E-04
3211	491863.09, 3846877.25	0.00132	0.00163	0.00144	2.03E-05	1.19E-07	3.86E-05	5.9E-05	2.07E-05	1.17E-07	4.30E-05	6.38E-05	1.97E-05	1.48E-07	8.25E-05	1.02E-04
3212	492363.09, 3846877.25	0.00149	0.00185	0.0016	2.29E-05	1.35E-07	4.29E-05	6.59E-05	2.34E-05	1.33E-07	4.77E-05	7.12E-05	2.22E-05	1.68E-07	9.17E-05	1.14E-04
3213	492863.09, 3846877.25	0.00157	0.00193	0.00168	2.41E-05	1.40E-07	4.51E-05	6.93E-05	2.46E-05	1.38E-07	5.01E-05	7.49E-05	2.34E-05	1.76E-07	9.62E-05	1.20E-04
3214	493363.09, 3846877.25	0.00169	0.00205	0.00181	2.59E-05	1.49E-07	4.85E-05	7.46E-05	2.65E-05	1.47E-07	5.40E-05	8.06E-05	2.52E-05	1.86E-07	1.04E-04	1.29E-04
3215	493863.09, 3846877.25	0.0018	0.00218	0.00193	2.76E-05	1.59E-07	5.18E-05	7.95E-05	2.82E-05	1.56E-07	5.76E-05	8.60E-05	2.68E-05	1.98E-07	1.11E-04	1.38E-04
3216	494363.09, 3846877.25	0.00191	0.00234	0.00205	2.93E-05	1.70E-07	5.50E-05	8.45E-05	2.99E-05	1.68E-07	6.12E-05	9.13E-05	2.85E-05	2.13E-07	1.17E-04	1.46E-04
3217	494863.09, 3846877.25	0.00204	0.0026	0.00219	3.13E-05	1.89E-07	5.87E-05	9.02E-05	3.20E-05	1.86E-07	6.53E-05	9.75E-05	3.04E-05	2.37E-07	1.25E-04	1.56E-04
3218	495363.09, 3846877.25	0.00217	0.00289	0.00234	3.33E-05	2.10E-07	6.28E-05	9.63E-05	3.40E-05	2.07E-07	6.98E-05	1.04E-04	3.23E-05	2.63E-07	1.34E-04	1.67E-04
3219	495863.09, 3846877.25	0.00231	0.00309	0.00249	3.54E-05	2.25E-07	6.68E-05	0.000102	3.62E-05	2.21E-07	7.43E-05	1.11E-04	3.44E-05	2.81E-07	1.43E-04	1.77E-04
3220	496363.09, 3846877.25	0.00247	0.00328	0.00265	3.79E-05	2.39E-07	7.11E-05	0.000109	3.87E-05	2.35E-07	7.91E-05	1.18E-04	3.68E-05	2.98E-07	1.52E-04	1.89E-04
3221	496863.09, 3846877.25	0.00266	0.00355	0.00285	4.08E-05	2.58E-07	7.64E-05	0.000118	4.17E-05	2.54E-07	8.50E-05	1.27E-04	3.96E-05	3.23E-07	1.63E-04	2.03E-04
3222	497363.09, 3846877.25	0.0029	0.00388	0.00309	4.45E-05	2.82E-07	8.29E-05	0.000128	4.55E-05	2.78E-07	9.22E-05	1.38E-04	4.32E-05	3.53E-07	1.77E-04	2.21E-04
3223	497863.09, 3846877.25	0.00311	0.00416	0.00331	4.77E-05	3.03E-07	8.88E-05	0.000137	4.88E-05	2.98E-07	9.87E-05	1.48E-04	4.63E-05	3.78E-07	1.90E-04	2.36E-04
3224	498363.09, 3846877.25	0.00323	0.00428	0.00343	4.96E-05	3.12E-07	9.20E-05	0.000142	5.06E-05	3.07E-07	1.02E-04	1.53E-04	4.81E-05	3.89E-07	1.96E-04	2.45E-04
3225	471363.09, 3847377.25	0.00589	0.00631	0.0058	9.04E-05	4.59E-07	1.56E-04	0.000246	9.23E-05	4.52E-07	1.73E-04	2.66E-04	8.77E-05	5.74E-07	3.32E-04	4.21E-04
3226	471863.09, 3847377.25	0.00598	0.00642	0.00583	9.18E-05	4.67E-07	1.56E-04	0.000249	9.38E-05	4.60E-07	1.74E-04	2.68E-04	8.91E-05	5.84E-07	3.34E-04	4.24E-04
3227	472363.09, 3847377.25	0.00607	0.00639	0.00583	9.31E-05	4.65E-07	1.56E-04	0.00025	9.52E-05	4.58E-07	1.74E-04	2.70E-04	9.04E-05	5.81E-07	3.34E-04	4.25E-04
3228	472863.09, 3847377.25	0.0058	0.00606	0.00558	8.90E-05	4.41E-07	1.50E-04	0.000239	9.09E-05	4.34E-07	1.66E-04	2.58E-04	8.64E-05	5.51E-07	3.20E-04	4.07E-04
3229	473363.09, 3847377.25	0.00454	0.00477	0.00445	6.97E-05	3.47E-07	1.19E-04	0.000189	7.12E-05	3.42E-07	1.33E-04	2.04E-04	6.76E-05	4.34E-07	2.55E-04	3.23E-04
3230	473863.09, 3847377.25	0.00436	0.00461	0.00427	6.69E-05	3.36E-07	1.15E-04	0.000182	6.84E-05	3.30E-07	1.27E-04	1.96E-04	6.50E-05	4.19E-07	2.45E-04	3.10E-04
3231	474363.09, 3847377.25	0.00436	0.00458	0.00423	6.69E-05	3.33E-07	1.13E-04	0.000181	6.84E-05	3.28E-07	1.26E-04	1.95E-04	6.50E-05	4.17E-07	2.42E-04	3.08E-04
3232	474863.09, 3847377.25	0.00418	0.00425	0.00404	6.41E-05	3.09E-07	1.08E-04	0.000173	6.55E-05	3.05E-07	1.21E-04	1.86E-04	6.23E-05	3.87E-07	2.31E-04	2.94E-04
3233	475363.09, 3847377.25	0.00434	0.00439	0.00422	6.66E-05	3.20E-07	1.13E-04	0.00018	6.80E-05	3.15E-07	1.26E-04	1.94E-04	6.47E-05	3.99E-07	2.42E-04	3.07E-04
3234	475863.09, 3847377.25	0.00582	0.00598	0.00568	8.93E-05	4.35E-07	1.52E-04	0.000242	9.13E-05	4.28E-07	1.69E-04	2.61E-04	8.67E-05	5.44E-07	3.25E-04	4.13E-04
3235	476363.09, 3847377.25	0.0077	0.00812	0.00763	1.18E-04	5.91E-07	2.05E-04	0.000323	1.21E-04	5.82E-07	2.28E-04	3.49E-04	1.15E-04	7.39E-07	4.37E-04	5.53E-04
3236	476863.09, 3847377.25	0.00735	0.00777	0.00733	1.13E-04	5.66E-07	1.97E-04	0.00031	1.15E-04	5.57E-07	2.19E-04	3.34E-04	1.09E-04	7.07E-07	4.20E-04	5.30E-04
3237	477363.09, 3847377.25	0.00674	0.00677	0.00662	1.03E-04	4.93E-07	1.78E-04	0.000281	1.06E-04	4.85E-07	1.97E-04	3.04E-04	1.00E-04	6.16E-07	3.79E-04	4.80E-04
3238	477863.09, 3847377.25	0.00572	0.00556	0.0056	8.78E-05	4.05E-07	1.50E-04	0.000238	8.97E-05	3.98E-07	1.67E-04	2.57E-04	8.52E-05	5.06E-07	3.21E-04	4.07E-04
3239	478363.09, 3847377.25	0.00513	0.00548	0.00492	7.87E-05	3.99E-07	1.32E-04	0.000211	8.04E-05	3.93E-07	1.47E-04	2.28E-04	7.64E-05	4.98E-07	2.82E-04	3.59E-04
3240	478863.09, 3847377.25	0.00487	0.00445	0.00461	7.47E-05	3.24E-07	1.24E-04	0.000199	7.64E-05	3.19E-07	1.38E-04	2.14E-04	7.25E-05	4.05E-07	2.64E-04	3.37E-04
3241	479363.09, 3847377.25	0.00396	0.00395	0.00377	6.08E-05	2.88E-07	1.01E-04	0.000162	6.21E-05	2.83E-07	1.12E-04	1.75E-04	5.90E-05	3.59E-07	2.16E-04	2.75E-04
3242	479863.09, 3847377.25	0.00292	0.0031	0.00281	4.48E-05	2.26E-07	7.54E-05	0.00012	4.58E-05	2.22E-07	8.38E-05	1.30E-04	4.35E-05	2.82E-07	1.61E-04	2.05E-04
3243	480363.09, 3847377.25	0.0022	0.00219	0.00215	3.38E-05	1.59E-07	5.77E-05	9.16E-05	3.45E-05	1.57E-07	6.41E-05	9.88E-05	3.28E-05	1.99E-07	1.23E-04	1.56E-04
3244	480863.09, 3847377.25	0.002	0.00207	0.00198	3.07E-05	1.51E-07	5.31E-05	8.39E-05	3.14E-05	1.48E-07	5.91E-05	9.06E-05	2.98E-05	1.88E-07	1.13E-04	1.43E-04
3245	481363.09, 3847377.25	0.00218	0.00237	0.00212	3.35E-05	1.73E-07	5.69E-05	9.05E-05	3.42E-05	1.70E-07	6.32E-05	9.76E-05	3.25E-05	2.16E-07	1.21E-04	1.54E-04

3246	481863.09, 3847377.25	0.0026	0.00265	0.00247	3.99E-05	1.93E-07	6.62E-05	0.000106	4.08E-05	1.90E-07	7.37E-05	1.15E-04	3.87E-05	2.41E-07	1.41E-04	1.80E-04
3247	482363.09, 3847377.25	0.00248	0.00247	0.00236	3.81E-05	1.80E-07	6.33E-05	0.000102	3.89E-05	1.77E-07	7.04E-05	1.09E-04	3.69E-05	2.25E-07	1.35E-04	1.72E-04
3248	482863.09, 3847377.25	0.00234	0.0024	0.0022	3.59E-05	1.75E-07	5.90E-05	9.51E-05	3.67E-05	1.72E-07	6.56E-05	1.02E-04	3.49E-05	2.18E-07	1.26E-04	1.61E-04
3249	483363.09, 3847377.25	0.00218	0.00206	0.00209	3.35E-05	1.50E-07	5.61E-05	8.97E-05	3.42E-05	1.48E-07	6.23E-05	9.67E-05	3.25E-05	1.87E-07	1.20E-04	1.52E-04
3250	483863.09, 3847377.25	0.0021	0.00215	0.00201	3.22E-05	1.57E-07	5.39E-05	8.63E-05	3.29E-05	1.54E-07	6.00E-05	9.30E-05	3.13E-05	1.96E-07	1.15E-04	1.47E-04
3251	484363.09, 3847377.25	0.00212	0.00206	0.00202	3.25E-05	1.50E-07	5.42E-05	8.69E-05	3.32E-05	1.48E-07	6.03E-05	9.36E-05	3.16E-05	1.87E-07	1.16E-04	1.47E-04
3252	484863.09, 3847377.25	0.00202	0.0019	0.00191	3.10E-05	1.38E-07	5.12E-05	8.24E-05	3.17E-05	1.36E-07	5.70E-05	8.88E-05	3.01E-05	1.73E-07	1.09E-04	1.40E-04
3253	485363.09, 3847377.25	0.00194	0.00192	0.00187	2.98E-05	1.40E-07	5.02E-05	8.01E-05	3.04E-05	1.38E-07	5.58E-05	8.63E-05	2.89E-05	1.75E-07	1.07E-04	1.36E-04
3254	485863.09, 3847377.25	0.00191	0.002	0.00184	2.93E-05	1.46E-07	4.93E-05	7.88E-05	2.99E-05	1.43E-07	5.49E-05	8.50E-05	2.85E-05	1.82E-07	1.05E-04	1.34E-04
3255	486363.09, 3847377.25	0.00188	0.00195	0.0018	2.88E-05	1.42E-07	4.83E-05	7.73E-05	2.95E-05	1.40E-07	5.37E-05	8.33E-05	2.80E-05	1.77E-07	1.03E-04	1.31E-04
3256	486863.09, 3847377.25	0.0017	0.00175	0.00165	2.61E-05	1.27E-07	4.43E-05	7.05E-05	2.67E-05	1.25E-07	4.92E-05	7.60E-05	2.53E-05	1.59E-07	9.45E-05	1.20E-04
3257	487363.09, 3847377.25	0.00168	0.00171	0.00164	2.58E-05	1.24E-07	4.40E-05	6.99E-05	2.63E-05	1.23E-07	4.89E-05	7.54E-05	2.50E-05	1.56E-07	9.39E-05	1.19E-04
3258	487863.09, 3847377.25	0.00158	0.00165	0.00157	2.42E-05	1.20E-07	4.21E-05	6.65E-05	2.48E-05	1.18E-07	4.68E-05	7.17E-05	2.35E-05	1.50E-07	8.99E-05	1.14E-04
3259	488363.09, 3847377.25	0.00155	0.00166	0.00157	2.38E-05	1.21E-07	4.21E-05	6.6E-05	2.43E-05	1.19E-07	4.68E-05	7.13E-05	2.31E-05	1.51E-07	8.99E-05	1.13E-04
3260	488863.09, 3847377.25	0.00156	0.00167	0.0016	2.39E-05	1.22E-07	4.29E-05	6.7E-05	2.45E-05	1.20E-07	4.77E-05	7.23E-05	2.32E-05	1.52E-07	9.17E-05	1.15E-04
3261	489363.09, 3847377.25	0.00159	0.00187	0.00163	2.44E-05	1.36E-07	4.37E-05	6.83E-05	2.49E-05	1.34E-07	4.86E-05	7.37E-05	2.37E-05	1.70E-07	9.34E-05	1.17E-04
3262	489863.09, 3847377.25	0.00155	0.00203	0.00162	2.38E-05	1.48E-07	4.34E-05	6.74E-05	2.43E-05	1.45E-07	4.83E-05	7.28E-05	2.31E-05	1.85E-07	9.28E-05	1.16E-04
3263	490363.09, 3847377.25	0.00152	0.00197	0.00161	2.33E-05	1.43E-07	4.32E-05	6.66E-05	2.38E-05	1.41E-07	4.80E-05	7.20E-05	2.26E-05	1.79E-07	9.22E-05	1.15E-04
3264	490863.09, 3847377.25	0.00155	0.00193	0.00165	2.38E-05	1.40E-07	4.43E-05	6.82E-05	2.43E-05	1.38E-07	4.92E-05	7.37E-05	2.31E-05	1.76E-07	9.45E-05	1.18E-04
3265	491363.09, 3847377.25	0.00157	0.00193	0.00168	2.41E-05	1.40E-07	4.51E-05	6.93E-05	2.46E-05	1.38E-07	5.01E-05	7.49E-05	2.34E-05	1.76E-07	9.62E-05	1.20E-04
3266	491863.09, 3847377.25	0.0017	0.00212	0.00181	2.61E-05	1.54E-07	4.85E-05	7.48E-05	2.67E-05	1.52E-07	5.40E-05	8.08E-05	2.53E-05	1.93E-07	1.04E-04	1.29E-04
3267	492363.09, 3847377.25	0.00174	0.00216	0.00186	2.67E-05	1.57E-07	4.99E-05	7.67E-05	2.73E-05	1.55E-07	5.55E-05	8.29E-05	2.59E-05	1.96E-07	1.07E-04	1.33E-04
3268	492863.09, 3847377.25	0.00186	0.00226	0.002	2.85E-05	1.65E-07	5.36E-05	8.23E-05	2.92E-05	1.62E-07	5.97E-05	8.90E-05	2.77E-05	2.06E-07	1.15E-04	1.42E-04
3269	493363.09, 3847377.25	0.00197	0.00241	0.00212	3.02E-05	1.75E-07	5.69E-05	8.73E-05	3.09E-05	1.73E-07	6.32E-05	9.43E-05	2.93E-05	2.19E-07	1.21E-04	1.51E-04
3270	493863.09, 3847377.25	0.00204	0.00254	0.0022	3.13E-05	1.85E-07	5.90E-05	9.05E-05	3.20E-05	1.82E-07	6.56E-05	9.78E-05	3.04E-05	2.31E-07	1.26E-04	1.57E-04
3271	494363.09, 3847377.25	0.00212	0.00277	0.00229	3.25E-05	2.02E-07	6.14E-05	9.42E-05	3.32E-05	1.98E-07	6.83E-05	1.02E-04	3.16E-05	2.52E-07	1.31E-04	1.63E-04
3272	494863.09, 3847377.25	0.00225	0.00304	0.00243	3.45E-05	2.21E-07	6.52E-05	9.99E-05	3.53E-05	2.18E-07	7.25E-05	1.08E-04	3.35E-05	2.77E-07	1.39E-04	1.73E-04
3273	495363.09, 3847377.25	0.00237	0.00323	0.00256	3.64E-05	2.35E-07	6.87E-05	0.000105	3.72E-05	2.31E-07	7.64E-05	1.14E-04	3.53E-05	2.94E-07	1.47E-04	1.82E-04
3274	495863.09, 3847377.25	0.00253	0.00342	0.00273	3.88E-05	2.49E-07	7.32E-05	0.000112	3.97E-05	2.45E-07	8.14E-05	1.21E-04	3.77E-05	3.11E-07	1.56E-04	1.94E-04
3275	496363.09, 3847377.25	0.00269	0.00364	0.00289	4.13E-05	2.65E-07	7.75E-05	0.000119	4.22E-05	2.61E-07	8.62E-05	1.29E-04	4.01E-05	3.31E-07	1.66E-04	2.06E-04
3276	496863.09, 3847377.25	0.00294	0.00399	0.00315	4.51E-05	2.90E-07	8.45E-05	0.00013	4.61E-05	2.86E-07	9.40E-05	1.40E-04	4.38E-05	3.63E-07	1.80E-04	2.25E-04
3277	497363.09, 3847377.25	0.00325	0.00438	0.00347	4.99E-05	3.19E-07	9.31E-05	0.000143	5.10E-05	3.14E-07	1.04E-04	1.55E-04	4.84E-05	3.98E-07	1.99E-04	2.48E-04
3278	497863.09, 3847377.25	0.00361	0.0048	0.00384	5.54E-05	3.49E-07	1.03E-04	0.000159	5.66E-05	3.44E-07	1.15E-04	1.72E-04	5.38E-05	4.37E-07	2.20E-04	2.74E-04
3279	498363.09, 3847377.25	0.0038	0.005	0.00405	5.83E-05	3.64E-07	1.09E-04	0.000167	5.96E-05	3.58E-07	1.21E-04	1.81E-04	5.66E-05	4.55E-07	2.32E-04	2.89E-04
3280	471363.09, 3847877.25	0.00635	0.00701	0.00633	9.74E-05	5.10E-07	1.70E-04	0.000268	9.96E-05	5.02E-07	1.89E-04	2.89E-04	9.46E-05	6.38E-07	3.63E-04	4.58E-04
3281	471863.09, 3847877.25	0.00652	0.00704	0.00644	1.00E-04	5.12E-07	1.73E-04	0.000273	1.02E-04	5.04E-07	1.92E-04	2.95E-04	9.71E-05	6.40E-07	3.69E-04	4.67E-04
3282	472363.09, 3847877.25	0.00661	0.00714	0.00647	1.01E-04	5.20E-07	1.74E-04	0.000275	1.04E-04	5.12E-07	1.93E-04	2.97E-04	9.85E-05	6.49E-07	3.71E-04	4.70E-04
3283	472863.09, 3847877.25	0.00667	0.00715	0.00645	1.02E-04	5.20E-07	1.73E-04	0.000276	1.05E-04	5.12E-07	1.92E-04	2.98E-04	9.94E-05	6.50E-07	3.69E-04	4.70E-04
3284	473363.09, 3847877.25	0.00675	0.00712	0.00646	1.04E-04	5.18E-07	1.73E-04	0.000277	1.06E-04	5.10E-07	1.93E-04	2.99E-04	1.01E-04	6.48E-07	3.70E-04	4.71E-04
3285	473863.09, 3847877.25	0.00631	0.00666	0.00607	9.68E-05	4.85E-07	1.63E-04	0.00026	9.89E-05	4.77E-07	1.81E-04	2.80E-04	9.40E-05	6.06E-07	3.48E-04	4.42E-04
3286	474363.09, 3847877.25	0.00512	0.00541	0.00499	7.86E-05	3.94E-07	1.34E-04	0.000213	8.03E-05	3.88E-07	1.49E-04	2.30E-04	7.63E-05	4.92E-07	2.86E-04	3.63E-04
3287	474863.09, 3847877.25	0.00511	0.00542	0.00495	7.84E-05	3.95E-07	1.33E-04	0.000212	8.01E-05	3.88E-07	1.48E-04	2.28E-04	7.61E-05	4.93E-07	2.84E-04	3.60E-04
3288	475363.09, 3847877.25	0.00468	0.00478	0.00452	7.18E-05	3.48E-07	1.21E-04	0.000193	7.34E-05	3.42E-07	1.35E-04	2.09E-04	6.97E-05	4.35E-07	2.59E-04	3.29E-04
3289	475863.09, 3847877.25	0.00479	0.00485	0.00464	7.35E-05	3.53E-07	1.24E-04	0.000198	7.51E-05	3.48E-07	1.38E-04	2.14E-04	7.14E-05	4.41E-07	2.66E-04	3.38E-04
3290	476363.09, 3847877.25	0.00719	0.00748	0.00701	1.10E-04	5.44E-07	1.88E-04	0.000299	1.13E-04	5.36E-07	2.09E-04	3.22E-04	1.07E-04	6.80E-07	4.02E-04	5.09E-04
3291	476863.09, 3847877.25	0.00867	0.00921	0.00859	1.33E-04	6.70E-07	2.30E-04	0.000364	1.36E-04	6.60E-07	2.56E-04	3.93E-04	1.29E-04	8.38E-07	4.92E-04	6.22E-04
3292	477363.09, 3847877.25	0.00856	0.00915	0.00852	1.31E-04	6.66E-07	2.29E-04	0.000361	1.34E-04	6.56E-07	2.54E-04	3.89E-04	1.28E-04	8.32E-07	4.88E-04	6.16E-04
3293	477863.09, 3847877.25	0.00756	0.0075	0.0074	1.16E-04	5.46E-07	1.98E-04	0.000315	1.19E-04	5.37E-07	2.21E-04	3.40E-04	1.13E-04	6.82E-07	4.24E-04	5.37E-04
3294	478363.09, 3847877.25	0.00646	0.00652	0.00632	9.91E-05	4.75E-07	1.70E-04	0.000269	1.01E-04	4.67E-07	1.89E-04	2.90E-04	9.62E-05	5.93E-07	3.62E-04	4.59E-04
3295	478863.09, 3847877.25	0.0057	0.00583	0.00542	8.75E-05	4.24E-07	1.45E-04	0.000233	8.94E-05	4.18E-07	1.62E-04	2.51E-04	8.49E-05	5.30E-07	3.10E-04	3.96E-04
3296	479363.09, 3847877.25	0.00396	0.00379	0.00382	6.08E-05	2.76E-07	1.02E-04	0.000163	6.21E-05	2.72E-07	1.14E-04	1.76E-04	5.90E-05	3.45E-07	2.19E-04	2.78E-04
3297	479863.09, 3847877.25	0.00251	0.00269	0.00248	3.85E-05	1.96E-07	6.65E-05	0.000105	3.94E-05	1.93E-07	7.40E-05	1.14E-04	3.74E-05	2.45E-07	1.42E-04	1.80E-04
3298	480363.09, 3847877.25	0.00258	0.00266	0.00251	3.96E-05	1.94E-07	6.73E-05	0.000107	4.05E-05	1.91E-07	7.49E-05	1.16E-04	3.84E-05	2.42E-07	1.44E-04	1.82E-04
3299	480863.09, 3847877.25	0.00233	0.00235	0.00228	3.58E-05	1.71E-07	6.12E-05	9.71E-05	3.65E-05	1.68E-07	6.80E-05	1.05E-04	3.47E-05	2.14E-07	1.31E-04	1.66E-04
3300	481363.09, 3847877.25	0.00236	0.00251	0.00231	3.62E-05	1.83E-07	6.20E-05	9.84E-05	3.70E-05	1.80E-07	6.89E-05	1.06E-04	3.52E-05	2.28E-07	1.32E-04	1.68E-04
3301	481863.09, 3847877.25	0.00302	0.00311	0.00285	4.63E-05	2.26E-07	7.64E-05	0.000123	4.74E-05	2.23E-07	8.50E-05	1.33E-04	4.50E-05	2.83E-07	1.63E-04	2.09E-04
3302	482363.09, 3847877.25	0.00284	0.00286	0.00271	4.36E-05	2.08E-07	7.27E-05	0.000116	4.45E-05	2.05E-07	8.08E-05	1.26E-04	4.23E-05	2.60E-07	1.55E-04	1.98E-04

3303	482863.09, 3847877.25	0.00263	0.00271	0.00247	4.04E-05	1.97E-07	6.62E-05	0.000107	4.12E-05	1.94E-07	7.37E-05	1.15E-04	3.92E-05	2.47E-07	1.41E-04	1.81E-04
3304	483363.09, 3847877.25	0.00249	0.00231	0.00235	3.82E-05	1.68E-07	6.30E-05	0.000101	3.90E-05	1.66E-07	7.01E-05	1.09E-04	3.71E-05	2.10E-07	1.35E-04	1.72E-04
3305	483863.09, 3847877.25	0.00242	0.00246	0.0023	3.71E-05	1.79E-07	6.17E-05	9.9E-05	3.79E-05	1.76E-07	6.86E-05	1.07E-04	3.61E-05	2.24E-07	1.32E-04	1.68E-04
3306	484363.09, 3847877.25	0.00242	0.00234	0.00228	3.71E-05	1.70E-07	6.12E-05	9.85E-05	3.79E-05	1.68E-07	6.80E-05	1.06E-04	3.61E-05	2.13E-07	1.31E-04	1.67E-04
3307	484863.09, 3847877.25	0.00233	0.00215	0.00221	3.58E-05	1.57E-07	5.93E-05	9.52E-05	3.65E-05	1.54E-07	6.59E-05	1.03E-04	3.47E-05	1.96E-07	1.27E-04	1.62E-04
3308	485363.09, 3847877.25	0.00229	0.00226	0.00218	3.51E-05	1.65E-07	5.85E-05	9.38E-05	3.59E-05	1.62E-07	6.50E-05	1.01E-04	3.41E-05	2.06E-07	1.25E-04	1.59E-04
3309	485863.09, 3847877.25	0.00227	0.0024	0.00214	3.48E-05	1.75E-07	5.74E-05	9.24E-05	3.56E-05	1.72E-07	6.38E-05	9.96E-05	3.38E-05	2.18E-07	1.23E-04	1.57E-04
3310	486363.09, 3847877.25	0.0021	0.00213	0.00201	3.22E-05	1.55E-07	5.39E-05	8.63E-05	3.29E-05	1.53E-07	6.00E-05	9.30E-05	3.13E-05	1.94E-07	1.15E-04	1.47E-04
3311	486863.09, 3847877.25	0.00198	0.00199	0.0019	3.04E-05	1.45E-07	5.10E-05	8.15E-05	3.10E-05	1.43E-07	5.67E-05	8.79E-05	2.95E-05	1.81E-07	1.09E-04	1.39E-04
3312	487363.09, 3847877.25	0.00191	0.00195	0.00185	2.93E-05	1.42E-07	4.96E-05	7.91E-05	2.99E-05	1.40E-07	5.52E-05	8.53E-05	2.85E-05	1.77E-07	1.06E-04	1.35E-04
3313	487863.09, 3847877.25	0.0018	0.00188	0.0018	2.76E-05	1.37E-07	4.83E-05	7.6E-05	2.82E-05	1.35E-07	5.37E-05	8.21E-05	2.68E-05	1.71E-07	1.03E-04	1.30E-04
3314	488363.09, 3847877.25	0.00178	0.00189	0.00181	2.73E-05	1.38E-07	4.85E-05	7.6E-05	2.79E-05	1.35E-07	5.40E-05	8.20E-05	2.65E-05	1.72E-07	1.04E-04	1.30E-04
3315	488863.09, 3847877.25	0.00181	0.00202	0.00184	2.78E-05	1.47E-07	4.93E-05	7.73E-05	2.84E-05	1.45E-07	5.49E-05	8.34E-05	2.70E-05	1.84E-07	1.05E-04	1.33E-04
3316	489363.09, 3847877.25	0.00185	0.00231	0.00189	2.84E-05	1.68E-07	5.07E-05	7.92E-05	2.90E-05	1.66E-07	5.64E-05	8.56E-05	2.76E-05	2.10E-07	1.08E-04	1.36E-04
3317	489863.09, 3847877.25	0.00194	0.00252	0.00199	2.98E-05	1.83E-07	5.34E-05	8.33E-05	3.04E-05	1.81E-07	5.94E-05	9.00E-05	2.89E-05	2.29E-07	1.14E-04	1.43E-04
3318	490363.09, 3847877.25	0.00196	0.00246	0.00204	3.01E-05	1.79E-07	5.47E-05	8.5E-05	3.07E-05	1.76E-07	6.09E-05	9.18E-05	2.92E-05	2.24E-07	1.17E-04	1.46E-04
3319	490863.09, 3847877.25	0.00197	0.00241	0.00205	3.02E-05	1.75E-07	5.50E-05	8.54E-05	3.09E-05	1.73E-07	6.12E-05	9.22E-05	2.93E-05	2.19E-07	1.17E-04	1.47E-04
3320	491363.09, 3847877.25	0.00193	0.00239	0.00204	2.96E-05	1.74E-07	5.47E-05	8.45E-05	3.03E-05	1.71E-07	6.09E-05	9.13E-05	2.88E-05	2.17E-07	1.17E-04	1.46E-04
3321	491863.09, 3847877.25	0.002	0.00249	0.00212	3.07E-05	1.81E-07	5.69E-05	8.77E-05	3.14E-05	1.78E-07	6.32E-05	9.48E-05	2.98E-05	2.26E-07	1.21E-04	1.51E-04
3322	492363.09, 3847877.25	0.0021	0.00258	0.00224	3.22E-05	1.88E-07	6.01E-05	9.25E-05	3.29E-05	1.85E-07	6.68E-05	9.99E-05	3.13E-05	2.35E-07	1.28E-04	1.60E-04
3323	492863.09, 3847877.25	0.00219	0.00271	0.00235	3.36E-05	1.97E-07	6.30E-05	9.68E-05	3.43E-05	1.94E-07	7.01E-05	1.05E-04	3.26E-05	2.47E-07	1.35E-04	1.67E-04
3324	493363.09, 3847877.25	0.0022	0.0028	0.00238	3.38E-05	2.04E-07	6.38E-05	9.78E-05	3.45E-05	2.01E-07	7.10E-05	1.06E-04	3.28E-05	2.55E-07	1.36E-04	1.69E-04
3325	493863.09, 3847877.25	0.00226	0.003	0.00245	3.47E-05	2.18E-07	6.57E-05	0.000101	3.54E-05	2.15E-07	7.31E-05	1.09E-04	3.37E-05	2.73E-07	1.40E-04	1.74E-04
3326	494363.09, 3847877.25	0.00237	0.00326	0.00257	3.64E-05	2.37E-07	6.89E-05	0.000106	3.72E-05	2.34E-07	7.67E-05	1.14E-04	3.53E-05	2.97E-07	1.47E-04	1.83E-04
3327	494863.09, 3847877.25	0.00251	0.00348	0.00272	3.85E-05	2.53E-07	7.30E-05	0.000112	3.94E-05	2.49E-07	8.11E-05	1.21E-04	3.74E-05	3.17E-07	1.56E-04	1.94E-04
3328	495363.09, 3847877.25	0.0026	0.00358	0.00282	3.99E-05	2.61E-07	7.56E-05	0.000116	4.08E-05	2.57E-07	8.41E-05	1.25E-04	3.87E-05	3.26E-07	1.62E-04	2.01E-04
3329	495863.09, 3847877.25	0.0025	0.00345	0.00273	3.84E-05	2.51E-07	7.32E-05	0.000112	3.92E-05	2.47E-07	8.14E-05	1.21E-04	3.72E-05	3.14E-07	1.56E-04	1.94E-04
3330	496363.09, 3847877.25	0.00295	0.00407	0.00319	4.53E-05	2.96E-07	8.56E-05	0.000131	4.63E-05	2.92E-07	9.52E-05	1.42E-04	4.39E-05	3.70E-07	1.83E-04	2.27E-04
3331	496863.09, 3847877.25	0.00321	0.00439	0.00345	4.93E-05	3.20E-07	9.25E-05	0.000142	5.03E-05	3.15E-07	1.03E-04	1.54E-04	4.78E-05	3.99E-07	1.98E-04	2.46E-04
3332	497363.09, 3847877.25	0.00356	0.00481	0.00382	5.46E-05	3.50E-07	1.02E-04	0.000157	5.58E-05	3.45E-07	1.14E-04	1.70E-04	5.30E-05	4.38E-07	2.19E-04	2.72E-04
3333	497863.09, 3847877.25	0.00416	0.00554	0.00444	6.38E-05	4.03E-07	1.19E-04	0.000183	6.52E-05	3.97E-07	1.32E-04	1.98E-04	6.20E-05	5.04E-07	2.54E-04	3.17E-04
3334	498363.09, 3847877.25	0.0045	0.00596	0.0048	6.91E-05	4.34E-07	1.29E-04	0.000198	7.06E-05	4.27E-07	1.43E-04	2.14E-04	6.70E-05	5.42E-07	2.75E-04	3.43E-04
3335	471363.09, 3848377.25	0.00679	0.00731	0.00678	1.04E-04	5.32E-07	1.82E-04	0.000287	1.06E-04	5.24E-07	2.02E-04	3.09E-04	1.01E-04	6.65E-07	3.88E-04	4.90E-04
3336	471863.09, 3848377.25	0.00697	0.00781	0.00696	1.07E-04	5.69E-07	1.87E-04	0.000294	1.09E-04	5.60E-07	2.08E-04	3.17E-04	1.04E-04	7.10E-07	3.99E-04	5.03E-04
3337	472363.09, 3848377.25	0.0071	0.00784	0.00706	1.09E-04	5.71E-07	1.89E-04	0.000299	1.11E-04	5.62E-07	2.11E-04	3.22E-04	1.06E-04	7.13E-07	4.04E-04	5.11E-04
3338	472863.09, 3848377.25	0.00726	0.00791	0.00716	1.11E-04	5.76E-07	1.92E-04	0.000304	1.14E-04	5.67E-07	2.14E-04	3.28E-04	1.08E-04	7.20E-07	4.10E-04	5.19E-04
3339	473363.09, 3848377.25	0.00734	0.00798	0.00716	1.13E-04	5.81E-07	1.92E-04	0.000305	1.15E-04	5.72E-07	2.14E-04	3.29E-04	1.09E-04	7.26E-07	4.10E-04	5.20E-04
3340	473863.09, 3848377.25	0.00745	0.00797	0.00716	1.14E-04	5.80E-07	1.92E-04	0.000307	1.17E-04	5.71E-07	2.14E-04	3.31E-04	1.11E-04	7.25E-07	4.10E-04	5.22E-04
3341	474363.09, 3848377.25	0.0072	0.00765	0.00691	1.10E-04	5.57E-07	1.85E-04	0.000296	1.13E-04	5.48E-07	2.06E-04	3.20E-04	1.07E-04	6.96E-07	3.96E-04	5.04E-04
3342	474863.09, 3848377.25	0.00611	0.00649	0.00594	9.38E-05	4.72E-07	1.59E-04	0.000254	9.58E-05	4.65E-07	1.77E-04	2.73E-04	9.10E-05	5.90E-07	3.40E-04	4.32E-04
3343	475363.09, 3848377.25	0.00629	0.00674	0.00605	9.65E-05	4.91E-07	1.62E-04	0.000259	9.86E-05	4.83E-07	1.80E-04	2.80E-04	9.37E-05	6.13E-07	3.47E-04	4.41E-04
3344	475863.09, 3848377.25	0.0055	0.00569	0.00529	8.44E-05	4.14E-07	1.42E-04	0.000227	8.62E-05	4.08E-07	1.58E-04	2.44E-04	8.19E-05	5.18E-07	3.03E-04	3.85E-04
3345	476363.09, 3848377.25	0.00538	0.00546	0.0052	8.26E-05	3.97E-07	1.39E-04	0.000222	8.44E-05	3.91E-07	1.55E-04	2.40E-04	8.01E-05	4.97E-07	2.98E-04	3.79E-04
3346	476863.09, 3848377.25	0.00853	0.00899	0.0083	1.31E-04	6.54E-07	2.23E-04	0.000354	1.34E-04	6.44E-07	2.48E-04	3.82E-04	1.27E-04	8.18E-07	4.75E-04	6.03E-04
3347	477363.09, 3848377.25	0.00965	0.01032	0.00956	1.48E-04	7.51E-07	2.56E-04	0.000405	1.51E-04	7.39E-07	2.85E-04	4.37E-04	1.44E-04	9.39E-07	5.48E-04	6.92E-04
3348	477863.09, 3848377.25	0.00964	0.01038	0.00958	1.48E-04	7.56E-07	2.57E-04	0.000406	1.51E-04	7.44E-07	2.86E-04	4.38E-04	1.44E-04	9.44E-07	5.49E-04	6.93E-04
3349	478363.09, 3848377.25	0.00828	0.00808	0.00808	1.27E-04	5.88E-07	2.17E-04	0.000344	1.30E-04	5.79E-07	2.41E-04	3.71E-04	1.23E-04	7.35E-07	4.63E-04	5.87E-04
3350	478863.09, 3848377.25	0.0067	0.00702	0.00654	1.03E-04	5.11E-07	1.75E-04	0.000279	1.05E-04	5.03E-07	1.95E-04	3.01E-04	9.98E-05	6.39E-07	3.75E-04	4.75E-04
3351	479363.09, 3848377.25	0.00465	0.00454	0.00448	7.14E-05	3.30E-07	1.20E-04	0.000192	7.29E-05	3.25E-07	1.34E-04	2.07E-04	6.93E-05	4.13E-07	2.57E-04	3.26E-04
3352	479863.09, 3848377.25	0.00199	0.00221	0.00206	3.05E-05	1.61E-07	5.53E-05	8.59E-05	3.12E-05	1.58E-07	6.15E-05	9.28E-05	2.96E-05	2.01E-07	1.18E-04	1.48E-04
3353	480363.09, 3848377.25	0.00263	0.00288	0.00259	4.04E-05	2.10E-07	6.95E-05	0.00011	4.12E-05	2.06E-07	7.73E-05	1.19E-04	3.92E-05	2.62E-07	1.48E-04	1.88E-04
3354	480863.09, 3848377.25	0.00342	0.00322	0.00327	5.25E-05	2.34E-07	8.77E-05	0.00014	5.36E-05	2.31E-07	9.76E-05	1.51E-04	5.09E-05	2.93E-07	1.87E-04	2.39E-04
3355	481363.09, 3848377.25	0.00341	0.00331	0.00327	5.23E-05	2.41E-07	8.77E-05	0.00014	5.35E-05	2.37E-07	9.76E-05	1.51E-04	5.08E-05	3.01E-07	1.87E-04	2.38E-04
3356	481863.09, 3848377.25	0.00352	0.00363	0.00333	5.40E-05	2.64E-07	8.93E-05	0.000144	5.52E-05	2.60E-07	9.93E-05	1.55E-04	5.24E-05	3.30E-07	1.91E-04	2.44E-04
3357	482363.09, 3848377.25	0.00348	0.00354	0.00332	5.34E-05	2.58E-07	8.90E-05	0.000143	5.46E-05	2.54E-07	9.90E-05	1.54E-04	5.18E-05	3.22E-07	1.90E-04	2.42E-04
3358	482863.09, 3848377.25	0.00307	0.00317	0.00288	4.71E-05	2.31E-07	7.72E-05	0.000125	4.81E-05	2.27E-07	8.59E-05	1.34E-04	4.57E-05	2.88E-07	1.65E-04	2.11E-04
3359	483363.09, 3848377.25	0.00296	0.00273	0.00277	4.54E-05	1.99E-07	7.43E-05	0.00012	4.64E-05	1.96E-07	8.26E-05	1.29E-04	4.41E-05	2.48E-07	1.59E-04	2.03E-04

3360	483863.09, 3848377.25	0.00272	0.00273	0.00257	4.17E-05	1.99E-07	6.89E-05	0.000111	4.26E-05	1.96E-07	7.67E-05	1.20E-04	4.05E-05	2.48E-07	1.47E-04	1.88E-04
3361	484363.09, 3848377.25	0.00264	0.00257	0.00248	4.05E-05	1.87E-07	6.65E-05	0.000107	4.14E-05	1.84E-07	7.40E-05	1.16E-04	3.93E-05	2.34E-07	1.42E-04	1.82E-04
3362	484863.09, 3848377.25	0.00277	0.00249	0.00261	4.25E-05	1.81E-07	7.00E-05	0.000113	4.34E-05	1.78E-07	7.79E-05	1.21E-04	4.13E-05	2.26E-07	1.50E-04	1.91E-04
3363	485363.09, 3848377.25	0.00267	0.00269	0.00251	4.10E-05	1.96E-07	6.73E-05	0.000108	4.19E-05	1.93E-07	7.49E-05	1.17E-04	3.98E-05	2.45E-07	1.44E-04	1.84E-04
3364	485863.09, 3848377.25	0.00259	0.00277	0.00245	3.97E-05	2.02E-07	6.57E-05	0.000106	4.06E-05	1.98E-07	7.31E-05	1.14E-04	3.86E-05	2.52E-07	1.40E-04	1.79E-04
3365	486363.09, 3848377.25	0.00245	0.00238	0.00232	3.76E-05	1.73E-07	6.22E-05	1E-04	3.84E-05	1.71E-07	6.92E-05	1.08E-04	3.65E-05	2.16E-07	1.33E-04	1.70E-04
3366	486863.09, 3848377.25	0.00228	0.0023	0.00218	3.50E-05	1.67E-07	5.85E-05	9.36E-05	3.57E-05	1.65E-07	6.50E-05	1.01E-04	3.40E-05	2.09E-07	1.25E-04	1.59E-04
3367	487363.09, 3848377.25	0.00211	0.00217	0.00206	3.24E-05	1.58E-07	5.53E-05	8.78E-05	3.31E-05	1.55E-07	6.15E-05	9.47E-05	3.14E-05	1.97E-07	1.18E-04	1.50E-04
3368	487863.09, 3848377.25	0.00208	0.00215	0.00208	3.19E-05	1.57E-07	5.58E-05	8.79E-05	3.26E-05	1.54E-07	6.21E-05	9.48E-05	3.10E-05	1.96E-07	1.19E-04	1.50E-04
3369	488363.09, 3848377.25	0.00208	0.00229	0.0021	3.19E-05	1.67E-07	5.63E-05	8.84E-05	3.26E-05	1.64E-07	6.26E-05	9.54E-05	3.10E-05	2.08E-07	1.20E-04	1.51E-04
3370	488863.09, 3848377.25	0.00212	0.00252	0.00215	3.25E-05	1.83E-07	5.77E-05	9.04E-05	3.32E-05	1.81E-07	6.41E-05	9.76E-05	3.16E-05	2.29E-07	1.23E-04	1.55E-04
3371	489363.09, 3848377.25	0.00219	0.00281	0.00222	3.36E-05	2.05E-07	5.95E-05	9.34E-05	3.43E-05	2.01E-07	6.62E-05	1.01E-04	3.26E-05	2.56E-07	1.27E-04	1.60E-04
3372	489863.09, 3848377.25	0.00234	0.00295	0.00238	3.59E-05	2.15E-07	6.38E-05	1E-04	3.67E-05	2.11E-07	7.10E-05	1.08E-04	3.49E-05	2.68E-07	1.36E-04	1.71E-04
3373	490363.09, 3848377.25	0.00236	0.00291	0.00242	3.62E-05	2.12E-07	6.49E-05	0.000101	3.70E-05	2.09E-07	7.22E-05	1.09E-04	3.52E-05	2.65E-07	1.39E-04	1.74E-04
3374	490863.09, 3848377.25	0.00232	0.00285	0.00241	3.56E-05	2.07E-07	6.46E-05	0.0001	3.64E-05	2.04E-07	7.19E-05	1.08E-04	3.46E-05	2.59E-07	1.38E-04	1.73E-04
3375	491363.09, 3848377.25	0.00235	0.0029	0.00247	3.61E-05	2.11E-07	6.62E-05	0.000103	3.68E-05	2.08E-07	7.37E-05	1.11E-04	3.50E-05	2.64E-07	1.41E-04	1.77E-04
3376	491863.09, 3848377.25	0.00241	0.00298	0.00255	3.70E-05	2.17E-07	6.84E-05	0.000106	3.78E-05	2.14E-07	7.61E-05	1.14E-04	3.59E-05	2.71E-07	1.46E-04	1.82E-04
3377	492363.09, 3848377.25	0.0024	0.00301	0.00257	3.68E-05	2.19E-07	6.89E-05	0.000106	3.76E-05	2.16E-07	7.67E-05	1.15E-04	3.58E-05	2.74E-07	1.47E-04	1.83E-04
3378	492863.09, 3848377.25	0.00238	0.0031	0.00257	3.65E-05	2.26E-07	6.89E-05	0.000106	3.73E-05	2.22E-07	7.67E-05	1.14E-04	3.55E-05	2.82E-07	1.47E-04	1.83E-04
3379	493363.09, 3848377.25	0.00245	0.00333	0.00267	3.76E-05	2.42E-07	7.16E-05	0.000109	3.84E-05	2.39E-07	7.97E-05	1.18E-04	3.65E-05	3.03E-07	1.53E-04	1.90E-04
3380	493863.09, 3848377.25	0.00255	0.00356	0.00278	3.91E-05	2.59E-07	7.46E-05	0.000114	4.00E-05	2.55E-07	8.29E-05	1.23E-04	3.80E-05	3.24E-07	1.59E-04	1.98E-04
3381	494363.09, 3848377.25	0.00264	0.00373	0.00287	4.05E-05	2.72E-07	7.70E-05	0.000118	4.14E-05	2.67E-07	8.56E-05	1.27E-04	3.93E-05	3.39E-07	1.64E-04	2.04E-04
3382	494863.09, 3848377.25	0.00281	0.00395	0.00306	4.31E-05	2.88E-07	8.21E-05	0.000125	4.41E-05	2.83E-07	9.13E-05	1.36E-04	4.19E-05	3.59E-07	1.75E-04	2.18E-04
3383	495363.09, 3848377.25	0.0028	0.00393	0.00306	4.30E-05	2.86E-07	8.21E-05	0.000125	4.39E-05	2.82E-07	9.13E-05	1.35E-04	4.17E-05	3.57E-07	1.75E-04	2.17E-04
3384	495863.09, 3848377.25	0.00292	0.00411	0.00319	4.48E-05	2.99E-07	8.56E-05	0.000131	4.58E-05	2.94E-07	9.52E-05	1.41E-04	4.35E-05	3.74E-07	1.83E-04	2.27E-04
3385	496363.09, 3848377.25	0.00323	0.0045	0.0035	4.96E-05	3.28E-07	9.39E-05	0.000144	5.06E-05	3.22E-07	1.04E-04	1.55E-04	4.81E-05	4.09E-07	2.00E-04	2.49E-04
3386	496863.09, 3848377.25	0.00332	0.0046	0.0036	5.09E-05	3.35E-07	9.66E-05	0.000148	5.21E-05	3.30E-07	1.07E-04	1.60E-04	4.95E-05	4.18E-07	2.06E-04	2.56E-04
3387	497363.09, 3848377.25	0.00378	0.00518	0.00408	5.80E-05	3.77E-07	1.09E-04	0.000168	5.93E-05	3.71E-07	1.22E-04	1.81E-04	5.63E-05	4.71E-07	2.34E-04	2.91E-04
3388	497863.09, 3848377.25	0.00499	0.00671	0.00532	7.66E-05	4.88E-07	1.43E-04	0.00022	7.82E-05	4.81E-07	1.59E-04	2.37E-04	7.43E-05	6.10E-07	3.05E-04	3.80E-04
3389	498363.09, 3848377.25	0.00528	0.00703	0.00562	8.10E-05	5.12E-07	1.51E-04	0.000232	8.28E-05	5.04E-07	1.68E-04	2.51E-04	7.87E-05	6.39E-07	3.22E-04	4.01E-04
3390	471363.09, 3848877.25	0.00689	0.0069	0.00679	1.06E-04	5.02E-07	1.82E-04	0.000288	1.08E-04	4.94E-07	2.03E-04	3.11E-04	1.03E-04	6.28E-07	3.89E-04	4.92E-04
3391	471863.09, 3848877.25	0.00735	0.00752	0.00728	1.13E-04	5.47E-07	1.95E-04	0.000309	1.15E-04	5.39E-07	2.17E-04	3.33E-04	1.09E-04	6.84E-07	4.17E-04	5.27E-04
3392	472363.09, 3848877.25	0.00765	0.00834	0.00762	1.17E-04	6.07E-07	2.04E-04	0.000322	1.20E-04	5.98E-07	2.27E-04	3.48E-04	1.14E-04	7.59E-07	4.37E-04	5.51E-04
3393	472863.09, 3848877.25	0.00786	0.00884	0.00783	1.21E-04	6.43E-07	2.10E-04	0.000331	1.23E-04	6.33E-07	2.34E-04	3.57E-04	1.17E-04	8.04E-07	4.49E-04	5.66E-04
3394	473363.09, 3848877.25	0.00809	0.00896	0.00801	1.24E-04	6.52E-07	2.15E-04	0.00034	1.27E-04	6.42E-07	2.39E-04	3.66E-04	1.21E-04	8.15E-07	4.59E-04	5.80E-04
3395	473863.09, 3848877.25	0.0082	0.00901	0.00804	1.26E-04	6.56E-07	2.16E-04	0.000342	1.29E-04	6.46E-07	2.40E-04	3.69E-04	1.22E-04	8.20E-07	4.61E-04	5.84E-04
3396	474363.09, 3848877.25	0.00838	0.00911	0.00809	1.29E-04	6.63E-07	2.17E-04	0.000346	1.31E-04	6.53E-07	2.41E-04	3.73E-04	1.25E-04	8.29E-07	4.63E-04	5.89E-04
3397	474863.09, 3848877.25	0.00792	0.00849	0.00764	1.22E-04	6.18E-07	2.05E-04	0.000327	1.24E-04	6.08E-07	2.28E-04	3.53E-04	1.18E-04	7.72E-07	4.38E-04	5.56E-04
3398	475363.09, 3848877.25	0.00753	0.00807	0.00727	1.16E-04	5.87E-07	1.95E-04	0.000311	1.18E-04	5.78E-07	2.17E-04	3.36E-04	1.12E-04	7.34E-07	4.16E-04	5.29E-04
3399	475863.09, 3848877.25	0.00746	0.00805	0.00715	1.14E-04	5.86E-07	1.92E-04	0.000307	1.17E-04	5.77E-07	2.13E-04	3.31E-04	1.11E-04	7.32E-07	4.10E-04	5.21E-04
3400	476363.09, 3848877.25	0.00673	0.00707	0.00644	1.03E-04	5.15E-07	1.73E-04	0.000277	1.06E-04	5.07E-07	1.92E-04	2.98E-04	1.00E-04	6.43E-07	3.69E-04	4.70E-04
3401	476863.09, 3848877.25	0.00677	0.00689	0.00649	1.04E-04	5.02E-07	1.74E-04	0.000278	1.06E-04	4.94E-07	1.94E-04	3.00E-04	1.01E-04	6.27E-07	3.72E-04	4.73E-04
3402	477363.09, 3848877.25	0.01014	0.01085	0.00985	1.56E-04	7.90E-07	2.64E-04	0.000421	1.59E-04	7.77E-07	2.94E-04	4.54E-04	1.51E-04	9.87E-07	5.64E-04	7.16E-04
3403	477863.09, 3848877.25	0.01133	0.01232	0.01123	1.74E-04	8.97E-07	3.01E-04	0.000476	1.78E-04	8.83E-07	3.35E-04	5.14E-04	1.69E-04	1.12E-06	6.43E-04	8.13E-04
3404	478363.09, 3848877.25	0.01117	0.01215	0.01109	1.71E-04	8.84E-07	2.97E-04	0.00047	1.75E-04	8.71E-07	3.31E-04	5.07E-04	1.66E-04	1.11E-06	6.35E-04	8.03E-04
3405	478863.09, 3848877.25	0.00907	0.00876	0.00885	1.39E-04	6.38E-07	2.37E-04	0.000377	1.42E-04	6.28E-07	2.64E-04	4.07E-04	1.35E-04	7.97E-07	5.07E-04	6.43E-04
3406	479363.09, 3848877.25	0.00684	0.00731	0.00664	1.05E-04	5.32E-07	1.78E-04	0.000284	1.07E-04	5.24E-07	1.98E-04	3.06E-04	1.02E-04	6.65E-07	3.80E-04	4.83E-04
3407	479863.09, 3848877.25	0.00512	0.00494	0.00494	7.86E-05	3.60E-07	1.32E-04	0.000211	8.03E-05	3.54E-07	1.47E-04	2.28E-04	7.63E-05	4.49E-07	2.83E-04	3.60E-04
3408	480363.09, 3848877.25	0.00526	0.0053	0.00499	8.07E-05	3.86E-07	1.34E-04	0.000215	8.25E-05	3.80E-07	1.49E-04	2.32E-04	7.84E-05	4.82E-07	2.86E-04	3.65E-04
3409	480863.09, 3848877.25	0.00522	0.0053	0.00492	8.01E-05	3.86E-07	1.32E-04	0.000212	8.18E-05	3.80E-07	1.47E-04	2.29E-04	7.78E-05	4.82E-07	2.82E-04	3.60E-04
3410	481363.09, 3848877.25	0.00479	0.00442	0.00456	7.35E-05	3.22E-07	1.22E-04	0.000196	7.51E-05	3.17E-07	1.36E-04	2.11E-04	7.14E-05	4.02E-07	2.61E-04	3.33E-04
3411	481863.09, 3848877.25	0.00413	0.00424	0.00391	6.34E-05	3.09E-07	1.05E-04	0.000169	6.48E-05	3.04E-07	1.17E-04	1.82E-04	6.15E-05	3.86E-07	2.24E-04	2.86E-04
3412	482363.09, 3848877.25	0.0035	0.00359	0.00334	5.37E-05	2.61E-07	8.96E-05	0.000144	5.49E-05	2.57E-07	9.96E-05	1.55E-04	5.21E-05	3.27E-07	1.91E-04	2.44E-04
3413	482863.09, 3848877.25	0.00303	0.00322	0.00288	4.65E-05	2.34E-07	7.72E-05	0.000124	4.75E-05	2.31E-07	8.59E-05	1.34E-04	4.51E-05	2.93E-07	1.65E-04	2.10E-04
3414	483363.09, 3848877.25	0.00271	0.00266	0.0026	4.16E-05	1.94E-07	6.97E-05	0.000112	4.25E-05	1.91E-07	7.76E-05	1.20E-04	4.04E-05	2.42E-07	1.49E-04	1.90E-04
3415	483863.09, 3848877.25	0.00264	0.00266	0.00253	4.05E-05	1.94E-07	6.79E-05	0.000109	4.14E-05	1.91E-07	7.55E-05	1.17E-04	3.93E-05	2.42E-07	1.45E-04	1.85E-04
3416	484363.09, 3848877.25	0.00297	0.0029	0.00279	4.56E-05	2.11E-07	7.48E-05	0.000121	4.66E-05	2.08E-07	8.32E-05	1.30E-04	4.42E-05	2.64E-07	1.60E-04	2.04E-04

3417	484863.09, 3848877.25	0.00328	0.00293	0.00308	5.03E-05	2.13E-07	8.26E-05	0.000133	5.14E-05	2.10E-07	9.19E-05	1.44E-04	4.89E-05	2.67E-07	1.76E-04	2.26E-04
3418	485363.09, 3848877.25	0.00315	0.00321	0.00293	4.83E-05	2.34E-07	7.86E-05	0.000127	4.94E-05	2.30E-07	8.74E-05	1.37E-04	4.69E-05	2.92E-07	1.68E-04	2.15E-04
3419	485863.09, 3848877.25	0.00301	0.00323	0.00283	4.62E-05	2.35E-07	7.59E-05	0.000122	4.72E-05	2.31E-07	8.44E-05	1.32E-04	4.48E-05	2.94E-07	1.62E-04	2.07E-04
3420	486363.09, 3848877.25	0.00275	0.00264	0.00262	4.22E-05	1.92E-07	7.03E-05	0.000113	4.31E-05	1.89E-07	7.82E-05	1.21E-04	4.10E-05	2.40E-07	1.50E-04	1.91E-04
3421	486863.09, 3848877.25	0.00252	0.00256	0.00242	3.87E-05	1.86E-07	6.49E-05	0.000104	3.95E-05	1.83E-07	7.22E-05	1.12E-04	3.75E-05	2.33E-07	1.39E-04	1.76E-04
3422	487363.09, 3848877.25	0.00251	0.00261	0.00245	3.85E-05	1.90E-07	6.57E-05	0.000104	3.94E-05	1.87E-07	7.31E-05	1.13E-04	3.74E-05	2.37E-07	1.40E-04	1.78E-04
3423	487863.09, 3848877.25	0.00246	0.00261	0.00245	3.77E-05	1.90E-07	6.57E-05	0.000104	3.86E-05	1.87E-07	7.31E-05	1.12E-04	3.66E-05	2.37E-07	1.40E-04	1.77E-04
3424	488363.09, 3848877.25	0.0025	0.00291	0.0025	3.84E-05	2.12E-07	6.71E-05	0.000106	3.92E-05	2.09E-07	7.46E-05	1.14E-04	3.72E-05	2.65E-07	1.43E-04	1.81E-04
3425	488863.09, 3848877.25	0.00252	0.00319	0.00255	3.87E-05	2.32E-07	6.84E-05	0.000107	3.95E-05	2.29E-07	7.61E-05	1.16E-04	3.75E-05	2.90E-07	1.46E-04	1.84E-04
3426	489363.09, 3848877.25	0.00263	0.0034	0.00267	4.04E-05	2.47E-07	7.16E-05	0.000112	4.12E-05	2.44E-07	7.97E-05	1.21E-04	3.92E-05	3.09E-07	1.53E-04	1.92E-04
3427	489863.09, 3848877.25	0.00276	0.00349	0.00281	4.24E-05	2.54E-07	7.54E-05	0.000118	4.33E-05	2.50E-07	8.38E-05	1.27E-04	4.11E-05	3.17E-07	1.61E-04	2.02E-04
3428	490363.09, 3848877.25	0.00274	0.00337	0.00282	4.20E-05	2.45E-07	7.56E-05	0.000118	4.30E-05	2.41E-07	8.41E-05	1.27E-04	4.08E-05	3.07E-07	1.62E-04	2.03E-04
3429	490863.09, 3848877.25	0.00272	0.00334	0.00284	4.17E-05	2.43E-07	7.62E-05	0.000118	4.26E-05	2.39E-07	8.47E-05	1.28E-04	4.05E-05	3.04E-07	1.63E-04	2.04E-04
3430	491363.09, 3848877.25	0.00279	0.00349	0.00295	4.28E-05	2.54E-07	7.91E-05	0.000122	4.37E-05	2.50E-07	8.80E-05	1.32E-04	4.16E-05	3.17E-07	1.69E-04	2.11E-04
3431	491863.09, 3848877.25	0.00276	0.00352	0.00296	4.24E-05	2.56E-07	7.94E-05	0.000122	4.33E-05	2.52E-07	8.83E-05	1.32E-04	4.11E-05	3.20E-07	1.70E-04	2.11E-04
3432	492363.09, 3848877.25	0.00274	0.00367	0.00296	4.20E-05	2.67E-07	7.94E-05	0.000122	4.30E-05	2.63E-07	8.83E-05	1.32E-04	4.08E-05	3.34E-07	1.70E-04	2.11E-04
3433	492863.09, 3848877.25	0.00267	0.00371	0.00292	4.10E-05	2.70E-07	7.83E-05	0.00012	4.19E-05	2.66E-07	8.71E-05	1.29E-04	3.98E-05	3.37E-07	1.67E-04	2.07E-04
3434	493363.09, 3848877.25	0.00263	0.00375	0.00289	4.04E-05	2.73E-07	7.75E-05	0.000118	4.12E-05	2.69E-07	8.62E-05	1.28E-04	3.92E-05	3.41E-07	1.66E-04	2.05E-04
3435	493863.09, 3848877.25	0.00282	0.00408	0.00309	4.33E-05	2.97E-07	8.29E-05	0.000126	4.42E-05	2.92E-07	9.22E-05	1.37E-04	4.20E-05	3.71E-07	1.77E-04	2.19E-04
3436	494363.09, 3848877.25	0.00296	0.00426	0.00325	4.54E-05	3.10E-07	8.72E-05	0.000133	4.64E-05	3.05E-07	9.70E-05	1.44E-04	4.41E-05	3.87E-07	1.86E-04	2.31E-04
3437	494863.09, 3848877.25	0.00321	0.00459	0.00351	4.93E-05	3.34E-07	9.41E-05	0.000144	5.03E-05	3.29E-07	1.05E-04	1.55E-04	4.78E-05	4.18E-07	2.01E-04	2.49E-04
3438	495363.09, 3848877.25	0.00342	0.00486	0.00372	5.25E-05	3.54E-07	9.98E-05	0.000153	5.36E-05	3.48E-07	1.11E-04	1.65E-04	5.09E-05	4.42E-07	2.13E-04	2.64E-04
3439	495863.09, 3848877.25	0.00335	0.00475	0.00365	5.14E-05	3.46E-07	9.79E-05	0.00015	5.25E-05	3.40E-07	1.09E-04	1.62E-04	4.99E-05	4.32E-07	2.09E-04	2.59E-04
3440	496363.09, 3848877.25	0.00355	0.005	0.00386	5.45E-05	3.64E-07	1.04E-04	0.000158	5.57E-05	3.58E-07	1.15E-04	1.71E-04	5.29E-05	4.55E-07	2.21E-04	2.74E-04
3441	496863.09, 3848877.25	0.00404	0.00562	0.00436	6.20E-05	4.09E-07	1.17E-04	0.000179	6.33E-05	4.03E-07	1.30E-04	1.94E-04	6.02E-05	5.11E-07	2.50E-04	3.10E-04
3442	497363.09, 3848877.25	0.00508	0.00694	0.00544	7.80E-05	5.05E-07	1.46E-04	0.000224	7.96E-05	4.97E-07	1.62E-04	2.42E-04	7.57E-05	6.31E-07	3.12E-04	3.88E-04
3443	497863.09, 3848877.25	0.0057	0.00765	0.00607	8.75E-05	5.57E-07	1.63E-04	0.000251	8.94E-05	5.48E-07	1.81E-04	2.71E-04	8.49E-05	6.96E-07	3.48E-04	4.33E-04
3444	498363.09, 3848877.25	0.00623	0.00828	0.00662	9.56E-05	6.03E-07	1.78E-04	0.000274	9.77E-05	5.93E-07	1.97E-04	2.96E-04	9.28E-05	7.53E-07	3.79E-04	4.73E-04
3445	471363.09, 3849377.25	0.00651	0.0067	0.00637	9.99E-05	4.88E-07	1.71E-04	0.000271	1.02E-04	4.80E-07	1.90E-04	2.93E-04	9.70E-05	6.09E-07	3.65E-04	4.62E-04
3446	471863.09, 3849377.25	0.00731	0.0075	0.00715	1.12E-04	5.46E-07	1.92E-04	0.000304	1.15E-04	5.37E-07	2.13E-04	3.28E-04	1.09E-04	6.82E-07	4.10E-04	5.19E-04
3447	472363.09, 3849377.25	0.00787	0.00796	0.00774	1.21E-04	5.79E-07	2.08E-04	0.000329	1.23E-04	5.70E-07	2.31E-04	3.55E-04	1.17E-04	7.24E-07	4.43E-04	5.61E-04
3448	472863.09, 3849377.25	0.00834	0.00866	0.00826	1.28E-04	6.30E-07	2.22E-04	0.00035	1.31E-04	6.21E-07	2.46E-04	3.78E-04	1.24E-04	7.88E-07	4.73E-04	5.98E-04
3449	473363.09, 3849377.25	0.00869	0.0096	0.00865	1.33E-04	6.99E-07	2.32E-04	0.000366	1.36E-04	6.88E-07	2.58E-04	3.95E-04	1.29E-04	8.73E-07	4.96E-04	6.26E-04
3450	473863.09, 3849377.25	0.00897	0.01015	0.00892	1.38E-04	7.39E-07	2.39E-04	0.000378	1.41E-04	7.27E-07	2.66E-04	4.07E-04	1.34E-04	9.23E-07	5.11E-04	6.46E-04
3451	474363.09, 3849377.25	0.00918	0.01024	0.00906	1.41E-04	7.45E-07	2.43E-04	0.000385	1.44E-04	7.34E-07	2.70E-04	4.15E-04	1.37E-04	9.31E-07	5.19E-04	6.57E-04
3452	474863.09, 3849377.25	0.0094	0.01039	0.00914	1.44E-04	7.56E-07	2.45E-04	0.00039	1.47E-04	7.44E-07	2.73E-04	4.21E-04	1.40E-04	9.45E-07	5.24E-04	6.65E-04
3453	475363.09, 3849377.25	0.00943	0.01029	0.00906	1.45E-04	7.49E-07	2.43E-04	0.000388	1.48E-04	7.37E-07	2.70E-04	4.19E-04	1.40E-04	9.36E-07	5.19E-04	6.60E-04
3454	475863.09, 3849377.25	0.00953	0.01027	0.00903	1.46E-04	7.48E-07	2.42E-04	0.000389	1.49E-04	7.36E-07	2.69E-04	4.20E-04	1.42E-04	9.34E-07	5.17E-04	6.60E-04
3455	476363.09, 3849377.25	0.00932	0.01005	0.00877	1.43E-04	7.32E-07	2.35E-04	0.000379	1.46E-04	7.20E-07	2.62E-04	4.08E-04	1.39E-04	9.14E-07	5.02E-04	6.42E-04
3456	476863.09, 3849377.25	0.00865	0.00922	0.00816	1.33E-04	6.71E-07	2.19E-04	0.000352	1.36E-04	6.61E-07	2.43E-04	3.80E-04	1.29E-04	8.39E-07	4.67E-04	5.97E-04
3457	477363.09, 3849377.25	0.00887	0.00915	0.00841	1.36E-04	6.66E-07	2.26E-04	0.000362	1.39E-04	6.56E-07	2.51E-04	3.91E-04	1.32E-04	8.32E-07	4.82E-04	6.15E-04
3458	477863.09, 3849377.25	0.01102	0.01182	0.01071	1.69E-04	8.60E-07	2.87E-04	0.000457	1.73E-04	8.47E-07	3.20E-04	4.93E-04	1.64E-04	1.08E-06	6.14E-04	7.79E-04
3459	478363.09, 3849377.25	0.01318	0.01458	0.01308	2.02E-04	1.06E-06	3.51E-04	0.000554	2.07E-04	1.04E-06	3.90E-04	5.98E-04	1.96E-04	1.33E-06	7.49E-04	9.47E-04
3460	478863.09, 3849377.25	0.01193	0.01288	0.0118	1.83E-04	9.38E-07	3.16E-04	0.0005	1.87E-04	9.23E-07	3.52E-04	5.40E-04	1.78E-04	1.17E-06	6.76E-04	8.55E-04
3461	479363.09, 3849377.25	0.01003	0.00977	0.00979	1.54E-04	7.11E-07	2.63E-04	0.000417	1.57E-04	7.00E-07	2.92E-04	4.50E-04	1.49E-04	8.89E-07	5.61E-04	7.11E-04
3462	479863.09, 3849377.25	0.00731	0.00767	0.00704	1.12E-04	5.58E-07	1.89E-04	0.000302	1.15E-04	5.50E-07	2.10E-04	3.25E-04	1.09E-04	6.98E-07	4.03E-04	5.13E-04
3463	480363.09, 3849377.25	0.00793	0.0077	0.0075	1.22E-04	5.60E-07	2.01E-04	0.000323	1.24E-04	5.52E-07	2.24E-04	3.49E-04	1.18E-04	7.00E-07	4.30E-04	5.48E-04
3464	480863.09, 3849377.25	0.00714	0.00752	0.00663	1.10E-04	5.47E-07	1.78E-04	0.000288	1.12E-04	5.39E-07	1.98E-04	3.10E-04	1.06E-04	6.84E-07	3.80E-04	4.87E-04
3465	481363.09, 3849377.25	0.00562	0.00526	0.00534	8.62E-05	3.83E-07	1.43E-04	0.00023	8.81E-05	3.77E-07	1.59E-04	2.48E-04	8.37E-05	4.78E-07	3.06E-04	3.90E-04
3466	481863.09, 3849377.25	0.00404	0.00415	0.00387	6.20E-05	3.02E-07	1.04E-04	0.000166	6.33E-05	2.97E-07	1.15E-04	1.79E-04	6.02E-05	3.77E-07	2.22E-04	2.82E-04
3467	482363.09, 3849377.25	0.00363	0.00375	0.00349	5.57E-05	2.73E-07	9.36E-05	0.00015	5.69E-05	2.69E-07	1.04E-04	1.61E-04	5.41E-05	3.41E-07	2.00E-04	2.54E-04
3468	482863.09, 3849377.25	0.00308	0.00338	0.00297	4.73E-05	2.46E-07	7.97E-05	0.000127	4.83E-05	2.42E-07	8.86E-05	1.37E-04	4.59E-05	3.07E-07	1.70E-04	2.16E-04
3469	483363.09, 3849377.25	0.00284	0.00288	0.00276	4.36E-05	2.10E-07	7.40E-05	0.000118	4.45E-05	2.06E-07	8.23E-05	1.27E-04	4.23E-05	2.62E-07	1.58E-04	2.01E-04
3470	483863.09, 3849377.25	0.00249	0.00255	0.00242	3.82E-05	1.86E-07	6.49E-05	0.000103	3.90E-05	1.83E-07	7.22E-05	1.11E-04	3.71E-05	2.32E-07	1.39E-04	1.76E-04
3471	484363.09, 3849377.25	0.00327	0.0032	0.00308	5.02E-05	2.33E-07	8.26E-05	0.000133	5.13E-05	2.29E-07	9.19E-05	1.43E-04	4.87E-05	2.91E-07	1.76E-04	2.25E-04
3472	484863.09, 3849377.25	0.00384	0.00348	0.0036	5.89E-05	2.53E-07	9.66E-05	0.000156	6.02E-05	2.49E-07	1.07E-04	1.68E-04	5.72E-05	3.17E-07	2.06E-04	2.64E-04
3473	485363.09, 3849377.25	0.00373	0.00383	0.00347	5.72E-05	2.79E-07	9.31E-05	0.000151	5.85E-05	2.74E-07	1.04E-04	1.62E-04	5.56E-05	3.48E-07	1.99E-04	2.55E-04

3474	485863.09, 3849377.25	0.00294	0.00315	0.00279	4.51E-05	2.29E-07	7.48E-05	0.00012	4.61E-05	2.26E-07	8.32E-05	1.30E-04	4.38E-05	2.87E-07	1.60E-04	2.04E-04
3475	486363.09, 3849377.25	0.00252	0.00248	0.00245	3.87E-05	1.81E-07	6.57E-05	0.000105	3.95E-05	1.78E-07	7.31E-05	1.13E-04	3.75E-05	2.26E-07	1.40E-04	1.78E-04
3476	486863.09, 3849377.25	0.00289	0.003	0.0028	4.43E-05	2.18E-07	7.51E-05	0.00012	4.53E-05	2.15E-07	8.35E-05	1.29E-04	4.31E-05	2.73E-07	1.60E-04	2.04E-04
3477	487363.09, 3849377.25	0.00299	0.00315	0.00295	4.59E-05	2.29E-07	7.91E-05	0.000125	4.69E-05	2.26E-07	8.80E-05	1.35E-04	4.45E-05	2.87E-07	1.69E-04	2.14E-04
3478	487863.09, 3849377.25	0.00297	0.0034	0.00295	4.56E-05	2.47E-07	7.91E-05	0.000125	4.66E-05	2.44E-07	8.80E-05	1.35E-04	4.42E-05	3.09E-07	1.69E-04	2.14E-04
3479	488363.09, 3849377.25	0.00302	0.00369	0.003	4.63E-05	2.69E-07	8.05E-05	0.000127	4.74E-05	2.64E-07	8.95E-05	1.37E-04	4.50E-05	3.36E-07	1.72E-04	2.17E-04
3480	488863.09, 3849377.25	0.00313	0.00393	0.00312	4.80E-05	2.86E-07	8.37E-05	0.000132	4.91E-05	2.82E-07	9.31E-05	1.42E-04	4.66E-05	3.57E-07	1.79E-04	2.26E-04
3481	489363.09, 3849377.25	0.00323	0.00408	0.00325	4.96E-05	2.97E-07	8.72E-05	0.000137	5.06E-05	2.92E-07	9.70E-05	1.48E-04	4.81E-05	3.71E-07	1.86E-04	2.35E-04
3482	489863.09, 3849377.25	0.0033	0.00412	0.00336	5.06E-05	3.00E-07	9.01E-05	0.000141	5.17E-05	2.95E-07	1.00E-04	1.52E-04	4.92E-05	3.75E-07	1.92E-04	2.42E-04
3483	490363.09, 3849377.25	0.00326	0.00399	0.00339	5.00E-05	2.90E-07	9.09E-05	0.000141	5.11E-05	2.86E-07	1.01E-04	1.53E-04	4.86E-05	3.63E-07	1.94E-04	2.43E-04
3484	490863.09, 3849377.25	0.00329	0.00413	0.00346	5.05E-05	3.01E-07	9.28E-05	0.000144	5.16E-05	2.96E-07	1.03E-04	1.55E-04	4.90E-05	3.76E-07	1.98E-04	2.48E-04
3485	491363.09, 3849377.25	0.00338	0.00438	0.0036	5.19E-05	3.19E-07	9.66E-05	0.000149	5.30E-05	3.14E-07	1.07E-04	1.61E-04	5.04E-05	3.98E-07	2.06E-04	2.57E-04
3486	491863.09, 3849377.25	0.00336	0.00456	0.00361	5.16E-05	3.32E-07	9.68E-05	0.000149	5.27E-05	3.27E-07	1.08E-04	1.61E-04	5.01E-05	4.15E-07	2.07E-04	2.57E-04
3487	492363.09, 3849377.25	0.00335	0.00472	0.00363	5.14E-05	3.44E-07	9.74E-05	0.000149	5.25E-05	3.38E-07	1.08E-04	1.61E-04	4.99E-05	4.29E-07	2.08E-04	2.58E-04
3488	492863.09, 3849377.25	0.00318	0.00461	0.00348	4.88E-05	3.36E-07	9.33E-05	0.000142	4.99E-05	3.30E-07	1.04E-04	1.54E-04	4.74E-05	4.19E-07	1.99E-04	2.47E-04
3489	493363.09, 3849377.25	0.00325	0.00479	0.00355	4.99E-05	3.49E-07	9.52E-05	0.000145	5.10E-05	3.43E-07	1.06E-04	1.57E-04	4.84E-05	4.36E-07	2.03E-04	2.52E-04
3490	493863.09, 3849377.25	0.00338	0.00496	0.0037	5.19E-05	3.61E-07	9.92E-05	0.000151	5.30E-05	3.55E-07	1.10E-04	1.64E-04	5.04E-05	4.51E-07	2.12E-04	2.63E-04
3491	494363.09, 3849377.25	0.00364	0.00529	0.00398	5.59E-05	3.85E-07	1.07E-04	0.000163	5.71E-05	3.79E-07	1.19E-04	1.76E-04	5.42E-05	4.81E-07	2.28E-04	2.83E-04
3492	494863.09, 3849377.25	0.00424	0.00608	0.00459	6.51E-05	4.43E-07	1.23E-04	0.000189	6.65E-05	4.36E-07	1.37E-04	2.04E-04	6.32E-05	5.53E-07	2.63E-04	3.27E-04
3493	495363.09, 3849377.25	0.0046	0.00654	0.00495	7.06E-05	4.76E-07	1.33E-04	0.000204	7.21E-05	4.69E-07	1.48E-04	2.20E-04	6.85E-05	5.95E-07	2.84E-04	3.53E-04
3494	495863.09, 3849377.25	0.00397	0.00566	0.00431	6.09E-05	4.12E-07	1.16E-04	0.000177	6.22E-05	4.06E-07	1.29E-04	1.91E-04	5.91E-05	5.15E-07	2.47E-04	3.07E-04
3495	496363.09, 3849377.25	0.00402	0.00565	0.00437	6.17E-05	4.11E-07	1.17E-04	0.000179	6.30E-05	4.05E-07	1.30E-04	1.94E-04	5.99E-05	5.14E-07	2.50E-04	3.11E-04
3496	496863.09, 3849377.25	0.00529	0.00725	0.00566	8.12E-05	5.28E-07	1.52E-04	0.000234	8.29E-05	5.19E-07	1.69E-04	2.52E-04	7.88E-05	6.59E-07	3.24E-04	4.04E-04
3497	497363.09, 3849377.25	0.00587	0.00793	0.00628	9.01E-05	5.77E-07	1.68E-04	0.000259	9.20E-05	5.68E-07	1.87E-04	2.80E-04	8.74E-05	7.21E-07	3.60E-04	4.48E-04
3498	497863.09, 3849377.25	0.00751	0.00997	0.00795	1.15E-04	7.26E-07	2.13E-04	0.000329	1.18E-04	7.14E-07	2.37E-04	3.56E-04	1.12E-04	9.07E-07	4.55E-04	5.68E-04
3499	498363.09, 3849377.25	0.00746	0.00977	0.0079	1.14E-04	7.11E-07	2.12E-04	0.000327	1.17E-04	7.00E-07	2.36E-04	3.53E-04	1.11E-04	8.89E-07	4.53E-04	5.65E-04
3500	471363.09, 3849877.25	0.00545	0.00562	0.00544	8.36E-05	4.09E-07	1.46E-04	0.00023	8.55E-05	4.03E-07	1.62E-04	2.48E-04	8.12E-05	5.11E-07	3.12E-04	3.93E-04
3501	471863.09, 3849877.25	0.00655	0.00664	0.00645	1.01E-04	4.83E-07	1.73E-04	0.000274	1.03E-04	4.76E-07	1.92E-04	2.96E-04	9.76E-05	6.04E-07	3.69E-04	4.68E-04
3502	472363.09, 3849877.25	0.00762	0.00783	0.00742	1.17E-04	5.70E-07	1.99E-04	0.000317	1.19E-04	5.61E-07	2.21E-04	3.41E-04	1.14E-04	7.12E-07	4.25E-04	5.39E-04
3503	472863.09, 3849877.25	0.00842	0.00866	0.0082	1.29E-04	6.30E-07	2.20E-04	0.00035	1.32E-04	6.21E-07	2.45E-04	3.77E-04	1.25E-04	7.88E-07	4.70E-04	5.96E-04
3504	473363.09, 3849877.25	0.00897	0.00916	0.00881	1.38E-04	6.67E-07	2.36E-04	0.000375	1.41E-04	6.56E-07	2.63E-04	4.04E-04	1.34E-04	8.33E-07	5.05E-04	6.39E-04
3505	473863.09, 3849877.25	0.00955	0.01005	0.00944	1.47E-04	7.32E-07	2.53E-04	0.0004	1.50E-04	7.20E-07	2.82E-04	4.32E-04	1.42E-04	9.14E-07	5.41E-04	6.84E-04
3506	474363.09, 3849877.25	0.01002	0.01121	0.00994	1.54E-04	8.16E-07	2.67E-04	0.000421	1.57E-04	8.03E-07	2.97E-04	4.54E-04	1.49E-04	1.02E-06	5.69E-04	7.20E-04
3507	474863.09, 3849877.25	0.01034	0.01177	0.01024	1.59E-04	8.57E-07	2.75E-04	0.000434	1.62E-04	8.43E-07	3.05E-04	4.68E-04	1.54E-04	1.07E-06	5.87E-04	7.42E-04
3508	475363.09, 3849877.25	0.01049	0.01182	0.01032	1.61E-04	8.60E-07	2.77E-04	0.000439	1.64E-04	8.47E-07	3.08E-04	4.73E-04	1.56E-04	1.08E-06	5.91E-04	7.49E-04
3509	475863.09, 3849877.25	0.01072	0.01192	0.01037	1.65E-04	8.68E-07	2.78E-04	0.000443	1.68E-04	8.54E-07	3.09E-04	4.78E-04	1.60E-04	1.08E-06	5.94E-04	7.55E-04
3510	476363.09, 3849877.25	0.01087	0.01189	0.01034	1.67E-04	8.65E-07	2.77E-04	0.000445	1.70E-04	8.52E-07	3.08E-04	4.80E-04	1.62E-04	1.08E-06	5.92E-04	7.55E-04
3511	476863.09, 3849877.25	0.01093	0.01182	0.01021	1.68E-04	8.60E-07	2.74E-04	0.000442	1.71E-04	8.47E-07	3.05E-04	4.77E-04	1.63E-04	1.08E-06	5.85E-04	7.49E-04
3512	477363.09, 3849877.25	0.01065	0.01134	0.00982	1.63E-04	8.25E-07	2.63E-04	0.000428	1.67E-04	8.13E-07	2.93E-04	4.61E-04	1.59E-04	1.03E-06	5.63E-04	7.22E-04
3513	477863.09, 3849877.25	0.01083	0.01122	0.0101	1.66E-04	8.17E-07	2.71E-04	0.000438	1.70E-04	8.04E-07	3.01E-04	4.72E-04	1.61E-04	1.02E-06	5.79E-04	7.41E-04
3514	478363.09, 3849877.25	0.01317	0.01435	0.01275	2.02E-04	1.04E-06	3.42E-04	0.000545	2.06E-04	1.03E-06	3.80E-04	5.88E-04	1.96E-04	1.31E-06	7.30E-04	9.28E-04
3515	478863.09, 3849877.25	0.01588	0.01806	0.01577	2.44E-04	1.31E-06	4.23E-04	0.000668	2.49E-04	1.29E-06	4.70E-04	7.21E-04	2.37E-04	1.64E-06	9.03E-04	1.14E-03
3516	479363.09, 3849877.25	0.01441	0.01569	0.01422	2.21E-04	1.14E-06	3.81E-04	0.000604	2.26E-04	1.12E-06	4.24E-04	6.51E-04	2.15E-04	1.43E-06	8.15E-04	1.03E-03
3517	479863.09, 3849877.25	0.01292	0.0132	0.01258	1.98E-04	9.61E-07	3.37E-04	0.000537	2.03E-04	9.46E-07	3.75E-04	5.79E-04	1.92E-04	1.20E-06	7.21E-04	9.14E-04
3518	480363.09, 3849877.25	0.00992	0.01022	0.00951	1.52E-04	7.44E-07	2.55E-04	0.000408	1.56E-04	7.32E-07	2.84E-04	4.40E-04	1.48E-04	9.30E-07	5.45E-04	6.93E-04
3519	480863.09, 3849877.25	0.00807	0.00807	0.00762	1.24E-04	5.87E-07	2.04E-04	0.000329	1.27E-04	5.78E-07	2.27E-04	3.54E-04	1.20E-04	7.34E-07	4.37E-04	5.57E-04
3520	481363.09, 3849877.25	0.00689	0.00703	0.00644	1.06E-04	5.12E-07	1.73E-04	0.000279	1.08E-04	5.04E-07	1.92E-04	3.01E-04	1.03E-04	6.39E-07	3.69E-04	4.72E-04
3521	481863.09, 3849877.25	0.0044	0.0044	0.00425	6.75E-05	3.20E-07	1.14E-04	0.000182	6.90E-05	3.15E-07	1.27E-04	1.96E-04	6.55E-05	4.00E-07	2.43E-04	3.09E-04
3522	482363.09, 3849877.25	0.00375	0.00398	0.00363	5.75E-05	2.90E-07	9.74E-05	0.000155	5.88E-05	2.85E-07	1.08E-04	1.67E-04	5.59E-05	3.62E-07	2.08E-04	2.64E-04
3523	482863.09, 3849877.25	0.00333	0.00369	0.00322	5.11E-05	2.69E-07	8.64E-05	0.000138	5.22E-05	2.64E-07	9.61E-05	1.49E-04	4.96E-05	3.36E-07	1.84E-04	2.34E-04
3524	483363.09, 3849877.25	0.00296	0.00314	0.00288	4.54E-05	2.29E-07	7.72E-05	0.000123	4.64E-05	2.25E-07	8.59E-05	1.33E-04	4.41E-05	2.86E-07	1.65E-04	2.09E-04
3525	483863.09, 3849877.25	0.00291	0.00298	0.00281	4.47E-05	2.17E-07	7.54E-05	0.00012	4.56E-05	2.14E-07	8.38E-05	1.30E-04	4.34E-05	2.71E-07	1.61E-04	2.05E-04
3526	484363.09, 3849877.25	0.00365	0.00353	0.00345	5.60E-05	2.57E-07	9.25E-05	0.000149	5.72E-05	2.53E-07	1.03E-04	1.60E-04	5.44E-05	3.21E-07	1.98E-04	2.52E-04
3527	484863.09, 3849877.25	0.00468	0.00436	0.00437	7.18E-05	3.17E-07	1.17E-04	0.000189	7.34E-05	3.12E-07	1.30E-04	2.04E-04	6.97E-05	3.97E-07	2.50E-04	3.20E-04
3528	485363.09, 3849877.25	0.00428	0.00437	0.00398	6.57E-05	3.18E-07	1.07E-04	0.000173	6.71E-05	3.13E-07	1.19E-04	1.86E-04	6.38E-05	3.98E-07	2.28E-04	2.92E-04
3529	485863.09, 3849877.25	0.00363	0.00379	0.00342	5.57E-05	2.76E-07	9.17E-05	0.000148	5.69E-05	2.72E-07	1.02E-04	1.59E-04	5.41E-05	3.45E-07	1.96E-04	2.50E-04
3530	486363.09, 3849877.25	0.00337	0.00326	0.00326	5.17E-05	2.37E-07	8.74E-05	0.000139	5.28E-05	2.34E-07	9.73E-05	1.50E-04	5.02E-05	2.97E-07	1.87E-04	2.37E-04

3531	486863.09, 3849877.25	0.00366	0.00383	0.00356	5.62E-05	2.79E-07	9.55E-05	0.000152	5.74E-05	2.74E-07	1.06E-04	1.64E-04	5.45E-05	3.48E-07	2.04E-04	2.59E-04
3532	487363.09, 3849877.25	0.00369	0.00415	0.00361	5.66E-05	3.02E-07	9.68E-05	0.000154	5.79E-05	2.97E-07	1.08E-04	1.66E-04	5.50E-05	3.77E-07	2.07E-04	2.62E-04
3533	487863.09, 3849877.25	0.00369	0.00455	0.00366	5.66E-05	3.31E-07	9.82E-05	0.000155	5.79E-05	3.26E-07	1.09E-04	1.67E-04	5.50E-05	4.14E-07	2.10E-04	2.65E-04
3534	488363.09, 3849877.25	0.00379	0.00469	0.00376	5.82E-05	3.41E-07	1.01E-04	0.000159	5.94E-05	3.36E-07	1.12E-04	1.72E-04	5.65E-05	4.27E-07	2.15E-04	2.72E-04
3535	488863.09, 3849877.25	0.00393	0.0049	0.00393	6.03E-05	3.57E-07	1.05E-04	0.000166	6.16E-05	3.51E-07	1.17E-04	1.79E-04	5.85E-05	4.46E-07	2.25E-04	2.84E-04
3536	489363.09, 3849877.25	0.00402	0.00502	0.00407	6.17E-05	3.65E-07	1.09E-04	0.000171	6.30E-05	3.60E-07	1.21E-04	1.85E-04	5.99E-05	4.57E-07	2.33E-04	2.93E-04
3537	489863.09, 3849877.25	0.00404	0.00499	0.00418	6.20E-05	3.63E-07	1.12E-04	0.000174	6.33E-05	3.58E-07	1.25E-04	1.88E-04	6.02E-05	4.54E-07	2.39E-04	3.00E-04
3538	490363.09, 3849877.25	0.00405	0.00507	0.00426	6.21E-05	3.69E-07	1.14E-04	0.000177	6.35E-05	3.63E-07	1.27E-04	1.91E-04	6.03E-05	4.61E-07	2.44E-04	3.05E-04
3539	490863.09, 3849877.25	0.00418	0.00553	0.00442	6.41E-05	4.03E-07	1.19E-04	0.000183	6.55E-05	3.96E-07	1.32E-04	1.98E-04	6.23E-05	5.03E-07	2.53E-04	3.16E-04
3540	491363.09, 3849877.25	0.00431	0.00594	0.00457	6.61E-05	4.32E-07	1.23E-04	0.000189	6.76E-05	4.26E-07	1.36E-04	2.04E-04	6.42E-05	5.40E-07	2.62E-04	3.27E-04
3541	491863.09, 3849877.25	0.0043	0.00616	0.00461	6.60E-05	4.48E-07	1.24E-04	0.00019	6.74E-05	4.41E-07	1.38E-04	2.05E-04	6.41E-05	5.60E-07	2.64E-04	3.29E-04
3542	492363.09, 3849877.25	0.00432	0.00634	0.00467	6.63E-05	4.62E-07	1.25E-04	0.000192	6.77E-05	4.54E-07	1.39E-04	2.08E-04	6.44E-05	5.77E-07	2.68E-04	3.32E-04
3543	492863.09, 3849877.25	0.00421	0.00629	0.00458	6.46E-05	4.58E-07	1.23E-04	0.000188	6.60E-05	4.51E-07	1.37E-04	2.03E-04	6.27E-05	5.72E-07	2.62E-04	3.26E-04
3544	493363.09, 3849877.25	0.00411	0.00614	0.00449	6.31E-05	4.47E-07	1.20E-04	0.000184	6.44E-05	4.40E-07	1.34E-04	1.99E-04	6.12E-05	5.59E-07	2.57E-04	3.19E-04
3545	493863.09, 3849877.25	0.00414	0.00612	0.00452	6.35E-05	4.45E-07	1.21E-04	0.000185	6.49E-05	4.39E-07	1.35E-04	2.00E-04	6.17E-05	5.57E-07	2.59E-04	3.21E-04
3546	494363.09, 3849877.25	0.00503	0.00732	0.00544	7.72E-05	5.33E-07	1.46E-04	0.000224	7.89E-05	5.24E-07	1.62E-04	2.42E-04	7.49E-05	6.66E-07	3.12E-04	3.87E-04
3547	494863.09, 3849877.25	0.00578	0.00833	0.00621	8.87E-05	6.06E-07	1.67E-04	0.000256	9.06E-05	5.97E-07	1.85E-04	2.76E-04	8.61E-05	7.58E-07	3.56E-04	4.43E-04
3548	495363.09, 3849877.25	0.00535	0.00765	0.00576	8.21E-05	5.57E-07	1.54E-04	0.000237	8.39E-05	5.48E-07	1.72E-04	2.56E-04	7.97E-05	6.96E-07	3.30E-04	4.10E-04
3549	495863.09, 3849877.25	0.00622	0.00873	0.00665	9.54E-05	6.35E-07	1.78E-04	0.000274	9.75E-05	6.26E-07	1.98E-04	2.97E-04	9.27E-05	7.94E-07	3.81E-04	4.74E-04
3550	496363.09, 3849877.25	0.00667	0.00916	0.00711	1.02E-04	6.67E-07	1.91E-04	0.000294	1.05E-04	6.56E-07	2.12E-04	3.17E-04	9.94E-05	8.33E-07	4.07E-04	5.07E-04
3551	496863.09, 3849877.25	0.00704	0.0095	0.0075	1.08E-04	6.92E-07	2.01E-04	0.00031	1.10E-04	6.81E-07	2.24E-04	3.35E-04	1.05E-04	8.64E-07	4.30E-04	5.35E-04
3552	497363.09, 3849877.25	0.00837	0.01108	0.00887	1.28E-04	8.07E-07	2.38E-04	0.000367	1.31E-04	7.94E-07	2.65E-04	3.97E-04	1.25E-04	1.01E-06	5.08E-04	6.34E-04
3553	497863.09, 3849877.25	0.009	0.0117	0.00952	1.38E-04	8.52E-07	2.55E-04	0.000394	1.41E-04	8.38E-07	2.84E-04	4.26E-04	1.34E-04	1.06E-06	5.45E-04	6.80E-04
3554	498363.09, 3849877.25	0.00889	0.01145	0.00942	1.36E-04	8.33E-07	2.53E-04	0.00039	1.39E-04	8.20E-07	2.81E-04	4.21E-04	1.32E-04	1.04E-06	5.40E-04	6.73E-04
3555	471363.09, 3850377.25	0.00437	0.00512	0.00448	6.71E-05	3.73E-07	1.20E-04	0.000188	6.85E-05	3.67E-07	1.34E-04	2.03E-04	6.51E-05	4.66E-07	2.57E-04	3.22E-04
3556	471863.09, 3850377.25	0.00573	0.00641	0.00579	8.79E-05	4.67E-07	1.55E-04	0.000244	8.98E-05	4.59E-07	1.73E-04	2.63E-04	8.54E-05	5.83E-07	3.32E-04	4.18E-04
3557	472363.09, 3850377.25	0.00647	0.0068	0.00646	9.93E-05	4.95E-07	1.73E-04	0.000273	1.01E-04	4.87E-07	1.93E-04	2.95E-04	9.64E-05	6.19E-07	3.70E-04	4.67E-04
3558	472863.09, 3850377.25	0.00788	0.00803	0.00772	1.21E-04	5.85E-07	2.07E-04	0.000329	1.24E-04	5.75E-07	2.30E-04	3.54E-04	1.17E-04	7.30E-07	4.42E-04	5.60E-04
3559	473363.09, 3850377.25	0.00863	0.00888	0.00843	1.32E-04	6.46E-07	2.26E-04	0.000359	1.35E-04	6.36E-07	2.51E-04	3.87E-04	1.29E-04	8.08E-07	4.83E-04	6.12E-04
3560	473863.09, 3850377.25	0.00955	0.0099	0.00933	1.47E-04	7.21E-07	2.50E-04	0.000398	1.50E-04	7.09E-07	2.78E-04	4.29E-04	1.42E-04	9.01E-07	5.34E-04	6.78E-04
3561	474363.09, 3850377.25	0.01038	0.0107	0.01017	1.59E-04	7.79E-07	2.73E-04	0.000433	1.63E-04	7.67E-07	3.03E-04	4.67E-04	1.55E-04	9.73E-07	5.83E-04	7.38E-04
3562	474863.09, 3850377.25	0.01108	0.01186	0.01093	1.70E-04	8.63E-07	2.93E-04	0.000464	1.74E-04	8.50E-07	3.26E-04	5.01E-04	1.65E-04	1.08E-06	6.26E-04	7.92E-04
3563	475363.09, 3850377.25	0.01167	0.01324	0.01155	1.79E-04	9.64E-07	3.10E-04	0.00049	1.83E-04	9.49E-07	3.45E-04	5.28E-04	1.74E-04	1.20E-06	6.62E-04	8.37E-04
3564	475863.09, 3850377.25	0.01201	0.01381	0.01186	1.84E-04	1.01E-06	3.18E-04	0.000503	1.88E-04	9.90E-07	3.54E-04	5.43E-04	1.79E-04	1.26E-06	6.79E-04	8.60E-04
3565	476363.09, 3850377.25	0.01225	0.01391	0.01195	1.88E-04	1.01E-06	3.21E-04	0.000509	1.92E-04	9.97E-07	3.56E-04	5.50E-04	1.82E-04	1.27E-06	6.85E-04	8.68E-04
3566	476863.09, 3850377.25	0.01253	0.01397	0.01198	1.92E-04	1.02E-06	3.21E-04	0.000515	1.96E-04	1.00E-06	3.57E-04	5.55E-04	1.87E-04	1.27E-06	6.86E-04	8.74E-04
3567	477363.09, 3850377.25	0.01275	0.01395	0.0119	1.96E-04	1.02E-06	3.19E-04	0.000516	2.00E-04	1.00E-06	3.55E-04	5.56E-04	1.90E-04	1.27E-06	6.82E-04	8.73E-04
3568	477863.09, 3850377.25	0.01241	0.01346	0.01146	1.90E-04	9.80E-07	3.07E-04	0.000499	1.95E-04	9.64E-07	3.42E-04	5.37E-04	1.85E-04	1.22E-06	6.56E-04	8.43E-04
3569	478363.09, 3850377.25	0.01234	0.01296	0.0115	1.89E-04	9.43E-07	3.08E-04	0.000499	1.93E-04	9.29E-07	3.43E-04	5.37E-04	1.84E-04	1.18E-06	6.59E-04	8.44E-04
3570	478863.09, 3850377.25	0.01589	0.01745	0.01518	2.44E-04	1.27E-06	4.07E-04	0.000652	2.49E-04	1.25E-06	4.53E-04	7.03E-04	2.37E-04	1.59E-06	8.70E-04	1.11E-03
3571	479363.09, 3850377.25	0.01895	0.02208	0.01876	2.91E-04	1.61E-06	5.03E-04	0.000796	2.97E-04	1.58E-06	5.60E-04	8.58E-04	2.82E-04	2.01E-06	1.07E-03	1.36E-03
3572	479863.09, 3850377.25	0.01759	0.01921	0.01726	2.70E-04	1.40E-06	4.63E-04	0.000734	2.76E-04	1.38E-06	5.15E-04	7.92E-04	2.62E-04	1.75E-06	9.89E-04	1.25E-03
3573	480363.09, 3850377.25	0.01477	0.01567	0.01433	2.27E-04	1.14E-06	3.84E-04	0.000612	2.32E-04	1.12E-06	4.27E-04	6.60E-04	2.20E-04	1.43E-06	8.21E-04	1.04E-03
3574	480863.09, 3850377.25	0.01364	0.01431	0.01302	2.09E-04	1.04E-06	3.49E-04	0.00056	2.14E-04	1.03E-06	3.88E-04	6.03E-04	2.03E-04	1.30E-06	7.46E-04	9.50E-04
3575	481363.09, 3850377.25	0.00855	0.00885	0.00797	1.31E-04	6.44E-07	2.14E-04	0.000346	1.34E-04	6.34E-07	2.38E-04	3.72E-04	1.27E-04	8.05E-07	4.57E-04	5.85E-04
3576	481863.09, 3850377.25	0.00767	0.00739	0.00725	1.18E-04	5.38E-07	1.94E-04	0.000313	1.20E-04	5.30E-07	2.16E-04	3.37E-04	1.14E-04	6.72E-07	4.15E-04	5.30E-04
3577	482363.09, 3850377.25	0.00684	0.0068	0.00646	1.05E-04	4.95E-07	1.73E-04	0.000279	1.07E-04	4.87E-07	1.93E-04	3.00E-04	1.02E-04	6.19E-07	3.70E-04	4.73E-04
3578	482863.09, 3850377.25	0.00478	0.00509	0.00453	7.33E-05	3.71E-07	1.21E-04	0.000195	7.49E-05	3.65E-07	1.35E-04	2.10E-04	7.12E-05	4.63E-07	2.59E-04	3.31E-04
3579	483363.09, 3850377.25	0.00391	0.0042	0.00376	6.00E-05	3.06E-07	1.01E-04	0.000161	6.13E-05	3.01E-07	1.12E-04	1.74E-04	5.82E-05	3.82E-07	2.15E-04	2.74E-04
3580	483863.09, 3850377.25	0.00413	0.00411	0.0039	6.34E-05	2.99E-07	1.05E-04	0.000168	6.48E-05	2.94E-07	1.16E-04	1.81E-04	6.15E-05	3.74E-07	2.23E-04	2.85E-04
3581	484363.09, 3850377.25	0.00477	0.00442	0.00445	7.32E-05	3.22E-07	1.19E-04	0.000193	7.48E-05	3.17E-07	1.33E-04	2.08E-04	7.11E-05	4.02E-07	2.55E-04	3.26E-04
3582	484863.09, 3850377.25	0.00558	0.0054	0.00519	8.56E-05	3.93E-07	1.39E-04	0.000225	8.75E-05	3.87E-07	1.55E-04	2.43E-04	8.31E-05	4.91E-07	2.97E-04	3.81E-04
3583	485363.09, 3850377.25	0.00545	0.00536	0.00504	8.36E-05	3.90E-07	1.35E-04	0.000219	8.55E-05	3.84E-07	1.50E-04	2.36E-04	8.12E-05	4.88E-07	2.89E-04	3.70E-04
3584	485863.09, 3850377.25	0.00484	0.00495	0.00456	7.43E-05	3.60E-07	1.22E-04	0.000197	7.59E-05	3.55E-07	1.36E-04	2.12E-04	7.21E-05	4.50E-07	2.61E-04	3.34E-04
3585	486363.09, 3850377.25	0.00475	0.00465	0.00455	7.29E-05	3.38E-07	1.22E-04	0.000195	7.45E-05	3.33E-07	1.36E-04	2.11E-04	7.08E-05	4.23E-07	2.61E-04	3.32E-04
3586	486863.09, 3850377.25	0.00475	0.00516	0.00459	7.29E-05	3.76E-07	1.23E-04	0.000196	7.45E-05	3.70E-07	1.37E-04	2.12E-04	7.08E-05	4.69E-07	2.63E-04	3.34E-04
3587	487363.09, 3850377.25	0.00461	0.00556	0.00449	7.07E-05	4.05E-07	1.20E-04	0.000192	7.23E-05	3.98E-07	1.34E-04	2.07E-04	6.87E-05	5.06E-07	2.57E-04	3.26E-04

3588	487863.09, 3850377.25	0.00475	0.00588	0.00465	7.29E-05	4.28E-07	1.25E-04	0.000198	7.45E-05	4.21E-07	1.39E-04	2.14E-04	7.08E-05	5.35E-07	2.66E-04	3.38E-04
3589	488363.09, 3850377.25	0.00485	0.00588	0.0048	7.44E-05	4.28E-07	1.29E-04	0.000204	7.60E-05	4.21E-07	1.43E-04	2.20E-04	7.23E-05	5.35E-07	2.75E-04	3.48E-04
3590	488863.09, 3850377.25	0.00501	0.00621	0.00505	7.69E-05	4.52E-07	1.35E-04	0.000213	7.86E-05	4.45E-07	1.51E-04	2.30E-04	7.46E-05	5.65E-07	2.89E-04	3.64E-04
3591	489363.09, 3850377.25	0.00514	0.0064	0.0053	7.89E-05	4.66E-07	1.42E-04	0.000221	8.06E-05	4.59E-07	1.58E-04	2.39E-04	7.66E-05	5.82E-07	3.04E-04	3.81E-04
3592	489863.09, 3850377.25	0.00519	0.00655	0.00543	7.96E-05	4.77E-07	1.46E-04	0.000226	8.14E-05	4.69E-07	1.62E-04	2.44E-04	7.73E-05	5.96E-07	3.11E-04	3.89E-04
3593	490363.09, 3850377.25	0.00532	0.0072	0.00561	8.16E-05	5.24E-07	1.50E-04	0.000233	8.34E-05	5.16E-07	1.67E-04	2.51E-04	7.93E-05	6.55E-07	3.21E-04	4.01E-04
3594	490863.09, 3850377.25	0.00551	0.00783	0.00584	8.46E-05	5.70E-07	1.57E-04	0.000242	8.64E-05	5.61E-07	1.74E-04	2.61E-04	8.21E-05	7.12E-07	3.35E-04	4.17E-04
3595	491363.09, 3850377.25	0.00567	0.00828	0.00603	8.70E-05	6.03E-07	1.62E-04	0.000249	8.89E-05	5.93E-07	1.80E-04	2.69E-04	8.45E-05	7.53E-07	3.45E-04	4.31E-04
3596	491863.09, 3850377.25	0.00561	0.00835	0.00602	8.61E-05	6.08E-07	1.61E-04	0.000248	8.80E-05	5.98E-07	1.80E-04	2.68E-04	8.36E-05	7.60E-07	3.45E-04	4.29E-04
3597	492363.09, 3850377.25	0.0055	0.00832	0.00593	8.44E-05	6.06E-07	1.59E-04	0.000244	8.62E-05	5.96E-07	1.77E-04	2.64E-04	8.19E-05	7.57E-07	3.40E-04	4.22E-04
3598	492863.09, 3850377.25	0.00552	0.00836	0.00598	8.47E-05	6.09E-07	1.60E-04	0.000246	8.65E-05	5.99E-07	1.78E-04	2.66E-04	8.22E-05	7.60E-07	3.43E-04	4.26E-04
3599	493363.09, 3850377.25	0.0054	0.00809	0.00585	8.29E-05	5.89E-07	1.57E-04	0.00024	8.47E-05	5.80E-07	1.75E-04	2.60E-04	8.04E-05	7.36E-07	3.35E-04	4.16E-04
3600	493863.09, 3850377.25	0.00601	0.00892	0.00649	9.22E-05	6.49E-07	1.74E-04	0.000267	9.42E-05	6.39E-07	1.94E-04	2.88E-04	8.95E-05	8.11E-07	3.72E-04	4.62E-04
3601	494363.09, 3850377.25	0.00654	0.00957	0.00702	1.00E-04	6.97E-07	1.88E-04	0.000289	1.03E-04	6.86E-07	2.09E-04	3.13E-04	9.74E-05	8.71E-07	4.02E-04	5.00E-04
3602	494863.09, 3850377.25	0.00736	0.01056	0.00785	1.13E-04	7.69E-07	2.11E-04	0.000324	1.15E-04	7.57E-07	2.34E-04	3.50E-04	1.10E-04	9.61E-07	4.50E-04	5.60E-04
3603	495363.09, 3850377.25	0.00837	0.01169	0.00888	1.28E-04	8.51E-07	2.38E-04	0.000367	1.31E-04	8.38E-07	2.65E-04	3.97E-04	1.25E-04	1.06E-06	5.09E-04	6.34E-04
3604	495863.09, 3850377.25	0.00819	0.01122	0.00871	1.26E-04	8.17E-07	2.34E-04	0.00036	1.28E-04	8.04E-07	2.60E-04	3.89E-04	1.22E-04	1.02E-06	4.99E-04	6.22E-04
3605	496363.09, 3850377.25	0.00921	0.01235	0.00976	1.41E-04	8.99E-07	2.62E-04	0.000404	1.44E-04	8.85E-07	2.91E-04	4.36E-04	1.37E-04	1.12E-06	5.59E-04	6.97E-04
3606	496863.09, 3850377.25	0.01019	0.01342	0.01077	1.56E-04	9.77E-07	2.89E-04	0.000446	1.60E-04	9.62E-07	3.21E-04	4.82E-04	1.52E-04	1.22E-06	6.17E-04	7.70E-04
3607	497363.09, 3850377.25	0.01071	0.01393	0.01132	1.64E-04	1.01E-06	3.04E-04	0.000469	1.68E-04	9.98E-07	3.38E-04	5.07E-04	1.60E-04	1.27E-06	6.48E-04	8.09E-04
3608	497863.09, 3850377.25	0.01078	0.01393	0.0114	1.65E-04	1.01E-06	3.06E-04	0.000472	1.69E-04	9.98E-07	3.40E-04	5.10E-04	1.61E-04	1.27E-06	6.53E-04	8.15E-04
3609	498363.09, 3850377.25	0.01083	0.0139	0.01148	1.66E-04	1.01E-06	3.08E-04	0.000475	1.70E-04	9.96E-07	3.42E-04	5.13E-04	1.61E-04	1.26E-06	6.58E-04	8.20E-04
3610	471363.09, 3850877.25	0.00546	0.00638	0.00553	8.38E-05	4.64E-07	1.48E-04	0.000233	8.56E-05	4.57E-07	1.65E-04	2.51E-04	8.13E-05	5.80E-07	3.17E-04	3.99E-04
3611	471863.09, 3850877.25	0.00608	0.00726	0.00616	9.33E-05	5.28E-07	1.65E-04	0.000259	9.53E-05	5.20E-07	1.84E-04	2.80E-04	9.06E-05	6.60E-07	3.53E-04	4.44E-04
3612	472363.09, 3850877.25	0.00696	0.00835	0.00704	1.07E-04	6.08E-07	1.89E-04	0.000296	1.09E-04	5.98E-07	2.10E-04	3.20E-04	1.04E-04	7.60E-07	4.03E-04	5.08E-04
3613	472863.09, 3850877.25	0.0078	0.00904	0.00784	1.20E-04	6.58E-07	2.10E-04	0.000331	1.22E-04	6.48E-07	2.34E-04	3.57E-04	1.16E-04	8.22E-07	4.49E-04	5.66E-04
3614	473363.09, 3850877.25	0.00763	0.00829	0.00765	1.17E-04	6.03E-07	2.05E-04	0.000323	1.20E-04	5.94E-07	2.28E-04	3.48E-04	1.14E-04	7.54E-07	4.38E-04	5.53E-04
3615	473863.09, 3850877.25	0.00886	0.00916	0.00875	1.36E-04	6.67E-07	2.35E-04	0.000371	1.39E-04	6.56E-07	2.61E-04	4.01E-04	1.32E-04	8.33E-07	5.01E-04	6.34E-04
3616	474363.09, 3850877.25	0.01034	0.01067	0.01006	1.59E-04	7.77E-07	2.70E-04	0.000429	1.62E-04	7.65E-07	3.00E-04	4.63E-04	1.54E-04	9.71E-07	5.76E-04	7.31E-04
3617	474863.09, 3850877.25	0.0113	0.01175	0.01099	1.73E-04	8.55E-07	2.95E-04	0.000469	1.77E-04	8.42E-07	3.28E-04	5.06E-04	1.68E-04	1.07E-06	6.30E-04	7.99E-04
3618	475363.09, 3850877.25	0.0122	0.01273	0.01193	1.87E-04	9.27E-07	3.20E-04	0.000508	1.91E-04	9.12E-07	3.56E-04	5.48E-04	1.82E-04	1.16E-06	6.83E-04	8.66E-04
3619	475863.09, 3850877.25	0.01311	0.01428	0.01287	2.01E-04	1.04E-06	3.45E-04	0.000547	2.06E-04	1.02E-06	3.84E-04	5.91E-04	1.95E-04	1.30E-06	7.37E-04	9.34E-04
3620	476363.09, 3850877.25	0.01379	0.01588	0.01359	2.12E-04	1.16E-06	3.64E-04	0.000577	2.16E-04	1.14E-06	4.05E-04	6.23E-04	2.05E-04	1.44E-06	7.78E-04	9.85E-04
3621	476863.09, 3850877.25	0.01425	0.01654	0.01396	2.19E-04	1.20E-06	3.74E-04	0.000594	2.23E-04	1.19E-06	4.16E-04	6.41E-04	2.12E-04	1.50E-06	8.00E-04	1.01E-03
3622	477363.09, 3850877.25	0.01469	0.01675	0.01412	2.25E-04	1.22E-06	3.79E-04	0.000605	2.30E-04	1.20E-06	4.21E-04	6.53E-04	2.19E-04	1.52E-06	8.09E-04	1.03E-03
3623	477863.09, 3850877.25	0.01505	0.01677	0.01409	2.31E-04	1.22E-06	3.78E-04	0.00061	2.36E-04	1.20E-06	4.20E-04	6.58E-04	2.24E-04	1.53E-06	8.07E-04	1.03E-03
3624	478363.09, 3850877.25	0.01495	0.01639	0.01373	2.29E-04	1.19E-06	3.68E-04	0.000599	2.34E-04	1.17E-06	4.10E-04	6.45E-04	2.23E-04	1.49E-06	7.87E-04	1.01E-03
3625	478863.09, 3850877.25	0.01572	0.01632	0.01412	2.41E-04	1.19E-06	3.79E-04	0.000621	2.46E-04	1.17E-06	4.21E-04	6.69E-04	2.34E-04	1.48E-06	8.09E-04	1.04E-03
3626	479363.09, 3850877.25	0.01898	0.02087	0.01784	2.91E-04	1.52E-06	4.78E-04	0.000771	2.98E-04	1.50E-06	5.32E-04	8.31E-04	2.83E-04	1.90E-06	1.02E-03	1.31E-03
3627	479863.09, 3850877.25	0.02202	0.02614	0.02181	3.38E-04	1.90E-06	5.85E-04	0.000925	3.45E-04	1.87E-06	6.51E-04	9.98E-04	3.28E-04	2.38E-06	1.25E-03	1.58E-03
3628	480363.09, 3850877.25	0.02213	0.02414	0.02123	3.40E-04	1.76E-06	5.69E-04	0.000911	3.47E-04	1.73E-06	6.33E-04	9.82E-04	3.30E-04	2.20E-06	1.22E-03	1.55E-03
3629	480863.09, 3850877.25	0.01951	0.02118	0.0186	2.99E-04	1.54E-06	4.99E-04	0.0008	3.06E-04	1.52E-06	5.55E-04	8.62E-04	2.91E-04	1.93E-06	1.07E-03	1.36E-03
3630	481363.09, 3850877.25	0.01716	0.01889	0.01619	2.63E-04	1.38E-06	4.34E-04	0.000699	2.69E-04	1.35E-06	4.83E-04	7.53E-04	2.56E-04	1.72E-06	9.27E-04	1.18E-03
3631	481863.09, 3850877.25	0.01393	0.01391	0.01288	2.14E-04	1.01E-06	3.45E-04	0.00056	2.18E-04	9.97E-07	3.84E-04	6.04E-04	2.08E-04	1.27E-06	7.38E-04	9.47E-04
3632	482363.09, 3850877.25	0.00991	0.00968	0.00931	1.52E-04	7.05E-07	2.50E-04	0.000402	1.55E-04	6.94E-07	2.78E-04	4.34E-04	1.48E-04	8.81E-07	5.33E-04	6.82E-04
3633	482863.09, 3850877.25	0.00786	0.00811	0.00729	1.21E-04	5.90E-07	1.96E-04	0.000317	1.23E-04	5.81E-07	2.17E-04	3.41E-04	1.17E-04	7.38E-07	4.18E-04	5.35E-04
3634	483363.09, 3850877.25	0.006	0.00638	0.00569	9.21E-05	4.64E-07	1.53E-04	0.000245	9.41E-05	4.57E-07	1.70E-04	2.64E-04	8.94E-05	5.80E-07	3.26E-04	4.16E-04
3635	483863.09, 3850877.25	0.0058	0.00578	0.00549	8.90E-05	4.21E-07	1.47E-04	0.000237	9.09E-05	4.14E-07	1.64E-04	2.55E-04	8.64E-05	5.26E-07	3.14E-04	4.01E-04
3636	484363.09, 3850877.25	0.0066	0.00601	0.00611	1.01E-04	4.37E-07	1.64E-04	0.000266	1.03E-04	4.31E-07	1.82E-04	2.86E-04	9.83E-05	5.47E-07	3.50E-04	4.49E-04
3637	484863.09, 3850877.25	0.00644	0.00639	0.00594	9.88E-05	4.65E-07	1.59E-04	0.000259	1.01E-04	4.58E-07	1.77E-04	2.79E-04	9.59E-05	5.81E-07	3.40E-04	4.37E-04
3638	485363.09, 3850877.25	0.00675	0.00649	0.00624	1.04E-04	4.72E-07	1.67E-04	0.000271	1.06E-04	4.65E-07	1.86E-04	2.92E-04	1.01E-04	5.90E-07	3.57E-04	4.59E-04
3639	485863.09, 3850877.25	0.00585	0.00595	0.00556	8.98E-05	4.33E-07	1.49E-04	0.000239	9.17E-05	4.26E-07	1.66E-04	2.58E-04	8.71E-05	5.41E-07	3.19E-04	4.06E-04
3640	486363.09, 3850877.25	0.00613	0.00622	0.00587	9.41E-05	4.53E-07	1.57E-04	0.000252	9.61E-05	4.46E-07	1.75E-04	2.72E-04	9.13E-05	5.66E-07	3.36E-04	4.28E-04
3641	486863.09, 3850877.25	0.00613	0.00723	0.0059	9.41E-05	5.26E-07	1.58E-04	0.000253	9.61E-05	5.18E-07	1.76E-04	2.73E-04	9.13E-05	6.58E-07	3.38E-04	4.30E-04
3642	487363.09, 3850877.25	0.00598	0.00736	0.00578	9.18E-05	5.36E-07	1.55E-04	0.000247	9.38E-05	5.27E-07	1.72E-04	2.67E-04	8.91E-05	6.69E-07	3.31E-04	4.21E-04
3643	487863.09, 3850877.25	0.00613	0.0074	0.00604	9.41E-05	5.39E-07	1.62E-04	0.000257	9.61E-05	5.30E-07	1.80E-04	2.77E-04	9.13E-05	6.73E-07	3.46E-04	4.38E-04
3644	488363.09, 3850877.25	0.00638	0.00768	0.0064	9.79E-05	5.59E-07	1.72E-04	0.00027	1.00E-04	5.50E-07	1.91E-04	2.92E-04	9.50E-05	6.99E-07	3.67E-04	4.62E-04

3645	488863.09, 3850877.25	0.00658	0.00826	0.00674	1.01E-04	6.01E-07	1.81E-04	0.000282	1.03E-04	5.92E-07	2.01E-04	3.05E-04	9.80E-05	7.51E-07	3.86E-04	4.85E-04
3646	489363.09, 3850877.25	0.00687	0.00893	0.00714	1.05E-04	6.50E-07	1.91E-04	0.000298	1.08E-04	6.40E-07	2.13E-04	3.21E-04	1.02E-04	8.12E-07	4.09E-04	5.12E-04
3647	489863.09, 3850877.25	0.00707	0.0098	0.00744	1.08E-04	7.13E-07	2.00E-04	0.000309	1.11E-04	7.02E-07	2.22E-04	3.34E-04	1.05E-04	8.91E-07	4.26E-04	5.32E-04
3648	490363.09, 3850877.25	0.00738	0.01084	0.00782	1.13E-04	7.89E-07	2.10E-04	0.000324	1.16E-04	7.77E-07	2.33E-04	3.50E-04	1.10E-04	9.86E-07	4.48E-04	5.59E-04
3649	490863.09, 3850877.25	0.00763	0.01137	0.00809	1.17E-04	8.28E-07	2.17E-04	0.000335	1.20E-04	8.15E-07	2.41E-04	3.62E-04	1.14E-04	1.03E-06	4.63E-04	5.78E-04
3650	491363.09, 3850877.25	0.00768	0.01158	0.00818	1.18E-04	8.43E-07	2.19E-04	0.000338	1.20E-04	8.30E-07	2.44E-04	3.65E-04	1.14E-04	1.05E-06	4.69E-04	5.84E-04
3651	491863.09, 3850877.25	0.00765	0.01167	0.00818	1.17E-04	8.49E-07	2.19E-04	0.000338	1.20E-04	8.36E-07	2.44E-04	3.65E-04	1.14E-04	1.06E-06	4.69E-04	5.84E-04
3652	492363.09, 3850877.25	0.00761	0.01168	0.00814	1.17E-04	8.50E-07	2.18E-04	0.000336	1.19E-04	8.37E-07	2.43E-04	3.63E-04	1.13E-04	1.06E-06	4.66E-04	5.81E-04
3653	492863.09, 3850877.25	0.00766	0.01165	0.00821	1.18E-04	8.48E-07	2.20E-04	0.000339	1.20E-04	8.35E-07	2.45E-04	3.66E-04	1.14E-04	1.06E-06	4.70E-04	5.85E-04
3654	493363.09, 3850877.25	0.00786	0.01181	0.00842	1.21E-04	8.60E-07	2.26E-04	0.000347	1.23E-04	8.46E-07	2.51E-04	3.75E-04	1.17E-04	1.07E-06	4.82E-04	6.01E-04
3655	493863.09, 3850877.25	0.00869	0.01277	0.00927	1.33E-04	9.30E-07	2.49E-04	0.000383	1.36E-04	9.15E-07	2.77E-04	4.14E-04	1.29E-04	1.16E-06	5.31E-04	6.62E-04
3656	494363.09, 3850877.25	0.00915	0.01313	0.00974	1.40E-04	9.56E-07	2.61E-04	0.000403	1.43E-04	9.41E-07	2.91E-04	4.35E-04	1.36E-04	1.19E-06	5.58E-04	6.95E-04
3657	494863.09, 3850877.25	0.0101	0.01408	0.01071	1.55E-04	1.02E-06	2.87E-04	0.000443	1.58E-04	1.01E-06	3.20E-04	4.79E-04	1.50E-04	1.28E-06	6.14E-04	7.65E-04
3658	495363.09, 3850877.25	0.01114	0.01512	0.01179	1.71E-04	1.10E-06	3.16E-04	0.000488	1.75E-04	1.08E-06	3.52E-04	5.27E-04	1.66E-04	1.38E-06	6.75E-04	8.43E-04
3659	495863.09, 3850877.25	0.01145	0.01532	0.0121	1.76E-04	1.12E-06	3.25E-04	0.000501	1.80E-04	1.10E-06	3.61E-04	5.42E-04	1.71E-04	1.39E-06	6.93E-04	8.65E-04
3660	496363.09, 3850877.25	0.01207	0.01595	0.01276	1.85E-04	1.16E-06	3.42E-04	0.000529	1.89E-04	1.14E-06	3.81E-04	5.71E-04	1.80E-04	1.45E-06	7.31E-04	9.12E-04
3661	496863.09, 3850877.25	0.01304	0.01706	0.01376	2.00E-04	1.24E-06	3.69E-04	0.00057	2.04E-04	1.22E-06	4.10E-04	6.16E-04	1.94E-04	1.55E-06	7.88E-04	9.84E-04
3662	497363.09, 3850877.25	0.0132	0.01713	0.01393	2.03E-04	1.25E-06	3.74E-04	0.000577	2.07E-04	1.23E-06	4.16E-04	6.24E-04	1.97E-04	1.56E-06	7.98E-04	9.96E-04
3663	497863.09, 3850877.25	0.01307	0.01681	0.01382	2.01E-04	1.22E-06	3.71E-04	0.000572	2.05E-04	1.20E-06	4.12E-04	6.18E-04	1.95E-04	1.53E-06	7.92E-04	9.88E-04
3664	498363.09, 3850877.25	0.01293	0.01645	0.01368	1.98E-04	1.20E-06	3.67E-04	0.000567	2.03E-04	1.18E-06	4.08E-04	6.12E-04	1.93E-04	1.50E-06	7.84E-04	9.78E-04
3665	471363.09, 3851377.25	0.00602	0.0063	0.00612	9.24E-05	4.59E-07	1.64E-04	0.000257	9.44E-05	4.51E-07	1.83E-04	2.77E-04	8.97E-05	5.73E-07	3.51E-04	4.41E-04
3666	471863.09, 3851377.25	0.00737	0.00816	0.00744	1.13E-04	5.94E-07	2.00E-04	0.000313	1.16E-04	5.85E-07	2.22E-04	3.38E-04	1.10E-04	7.42E-07	4.26E-04	5.37E-04
3667	472363.09, 3851377.25	0.00754	0.00879	0.00759	1.16E-04	6.40E-07	2.04E-04	0.00032	1.18E-04	6.30E-07	2.26E-04	3.45E-04	1.12E-04	8.00E-07	4.35E-04	5.48E-04
3668	472863.09, 3851377.25	0.00775	0.00937	0.0078	1.19E-04	6.82E-07	2.09E-04	0.000329	1.22E-04	6.71E-07	2.33E-04	3.55E-04	1.15E-04	8.52E-07	4.47E-04	5.63E-04
3669	473363.09, 3851377.25	0.00713	0.00862	0.0072	1.09E-04	6.27E-07	1.93E-04	0.000303	1.12E-04	6.18E-07	2.15E-04	3.27E-04	1.06E-04	7.84E-07	4.12E-04	5.19E-04
3670	473863.09, 3851377.25	0.00756	0.00906	0.00764	1.16E-04	6.59E-07	2.05E-04	0.000322	1.19E-04	6.49E-07	2.28E-04	3.47E-04	1.13E-04	8.24E-07	4.38E-04	5.51E-04
3671	474363.09, 3851377.25	0.0091	0.01033	0.00914	1.40E-04	7.52E-07	2.45E-04	0.000386	1.43E-04	7.40E-07	2.73E-04	4.16E-04	1.36E-04	9.40E-07	5.24E-04	6.60E-04
3672	474863.09, 3851377.25	0.01064	0.01132	0.01055	1.63E-04	8.24E-07	2.83E-04	0.000447	1.67E-04	8.11E-07	3.15E-04	4.82E-04	1.59E-04	1.03E-06	6.04E-04	7.64E-04
3673	475363.09, 3851377.25	0.01208	0.01262	0.01183	1.85E-04	9.19E-07	3.17E-04	0.000504	1.89E-04	9.04E-07	3.53E-04	5.43E-04	1.80E-04	1.15E-06	6.78E-04	8.59E-04
3674	475863.09, 3851377.25	0.01325	0.01391	0.01295	2.03E-04	1.01E-06	3.47E-04	0.000552	2.08E-04	9.97E-07	3.86E-04	5.95E-04	1.97E-04	1.27E-06	7.42E-04	9.40E-04
3675	476363.09, 3851377.25	0.01444	0.01528	0.01413	2.22E-04	1.11E-06	3.79E-04	0.000602	2.26E-04	1.09E-06	4.22E-04	6.49E-04	2.15E-04	1.39E-06	8.09E-04	1.03E-03
3676	476863.09, 3851377.25	0.01527	0.01706	0.01511	2.34E-04	1.24E-06	4.05E-04	0.000641	2.39E-04	1.22E-06	4.51E-04	6.91E-04	2.27E-04	1.55E-06	8.66E-04	1.09E-03
3677	477363.09, 3851377.25	0.01658	0.01947	0.01628	2.54E-04	1.42E-06	4.37E-04	0.000692	2.60E-04	1.40E-06	4.86E-04	7.47E-04	2.47E-04	1.77E-06	9.33E-04	1.18E-03
3678	477863.09, 3851377.25	0.01728	0.02029	0.01677	2.65E-04	1.48E-06	4.50E-04	0.000716	2.71E-04	1.45E-06	5.00E-04	7.73E-04	2.57E-04	1.85E-06	9.61E-04	1.22E-03
3679	478363.09, 3851377.25	0.01773	0.02041	0.01687	2.72E-04	1.49E-06	4.52E-04	0.000726	2.78E-04	1.46E-06	5.03E-04	7.83E-04	2.64E-04	1.86E-06	9.66E-04	1.23E-03
3680	478863.09, 3851377.25	0.01802	0.02024	0.01665	2.77E-04	1.47E-06	4.47E-04	0.000725	2.83E-04	1.45E-06	4.97E-04	7.81E-04	2.68E-04	1.84E-06	9.54E-04	1.22E-03
3681	479363.09, 3851377.25	0.01869	0.01988	0.01684	2.87E-04	1.45E-06	4.52E-04	0.00074	2.93E-04	1.42E-06	5.02E-04	7.97E-04	2.78E-04	1.81E-06	9.65E-04	1.24E-03
3682	479863.09, 3851377.25	0.02282	0.02531	0.02118	3.50E-04	1.84E-06	5.68E-04	0.00092	3.58E-04	1.81E-06	6.32E-04	9.91E-04	3.40E-04	2.30E-06	1.21E-03	1.56E-03
3683	480363.09, 3851377.25	0.02685	0.03213	0.02603	4.12E-04	2.34E-06	6.98E-04	0.001112	4.21E-04	2.30E-06	7.77E-04	1.20E-03	4.00E-04	2.92E-06	1.49E-03	1.89E-03
3684	480863.09, 3851377.25	0.02691	0.02929	0.02524	4.13E-04	2.13E-06	6.77E-04	0.001092	4.22E-04	2.10E-06	7.53E-04	1.18E-03	4.01E-04	2.66E-06	1.45E-03	1.85E-03
3685	481363.09, 3851377.25	0.02448	0.02666	0.02284	3.76E-04	1.94E-06	6.13E-04	0.00099	3.84E-04	1.91E-06	6.81E-04	1.07E-03	3.65E-04	2.43E-06	1.31E-03	1.68E-03
3686	481863.09, 3851377.25	0.02028	0.02278	0.01875	3.11E-04	1.66E-06	5.03E-04	0.000816	3.18E-04	1.63E-06	5.59E-04	8.79E-04	3.02E-04	2.07E-06	1.07E-03	1.38E-03
3687	482363.09, 3851377.25	0.01715	0.01665	0.01588	2.63E-04	1.21E-06	4.26E-04	0.00069	2.69E-04	1.19E-06	4.74E-04	7.44E-04	2.55E-04	1.51E-06	9.10E-04	1.17E-03
3688	482863.09, 3851377.25	0.01231	0.01249	0.01139	1.89E-04	9.09E-07	3.05E-04	0.000495	1.93E-04	8.95E-07	3.40E-04	5.34E-04	1.83E-04	1.14E-06	6.52E-04	8.37E-04
3689	483363.09, 3851377.25	0.00882	0.00929	0.00814	1.35E-04	6.76E-07	2.18E-04	0.000354	1.38E-04	6.66E-07	2.43E-04	3.82E-04	1.31E-04	8.45E-07	4.66E-04	5.99E-04
3690	483863.09, 3851377.25	0.00757	0.00774	0.00711	1.16E-04	5.63E-07	1.91E-04	0.000307	1.19E-04	5.55E-07	2.12E-04	3.31E-04	1.13E-04	7.04E-07	4.07E-04	5.21E-04
3691	484363.09, 3851377.25	0.00927	0.00826	0.00849	1.42E-04	6.01E-07	2.28E-04	0.000371	1.45E-04	5.92E-07	2.53E-04	3.99E-04	1.38E-04	7.51E-07	4.86E-04	6.25E-04
3692	484863.09, 3851377.25	0.00693	0.00701	0.00646	1.06E-04	5.10E-07	1.73E-04	0.00028	1.09E-04	5.02E-07	1.93E-04	3.02E-04	1.03E-04	6.38E-07	3.70E-04	4.74E-04
3693	485363.09, 3851377.25	0.00873	0.00815	0.00809	1.34E-04	5.93E-07	2.17E-04	0.000352	1.37E-04	5.84E-07	2.41E-04	3.79E-04	1.30E-04	7.41E-07	4.63E-04	5.94E-04
3694	485863.09, 3851377.25	0.00754	0.00787	0.00717	1.16E-04	5.73E-07	1.92E-04	0.000309	1.18E-04	5.64E-07	2.14E-04	3.33E-04	1.12E-04	7.16E-07	4.11E-04	5.24E-04
3695	486363.09, 3851377.25	0.00834	0.00904	0.00788	1.28E-04	6.58E-07	2.11E-04	0.00034	1.31E-04	6.48E-07	2.35E-04	3.66E-04	1.24E-04	8.22E-07	4.51E-04	5.76E-04
3696	486863.09, 3851377.25	0.00818	0.00993	0.00787	1.26E-04	7.23E-07	2.11E-04	0.000337	1.28E-04	7.12E-07	2.35E-04	3.64E-04	1.22E-04	9.03E-07	4.51E-04	5.74E-04
3697	487363.09, 3851377.25	0.00736	0.00904	0.00728	1.13E-04	6.58E-07	1.95E-04	0.000309	1.15E-04	6.48E-07	2.17E-04	3.33E-04	1.10E-04	8.22E-07	4.17E-04	5.27E-04
3698	487863.09, 3851377.25	0.00827	0.00979	0.00832	1.27E-04	7.13E-07	2.23E-04	0.000351	1.30E-04	7.01E-07	2.48E-04	3.79E-04	1.23E-04	8.91E-07	4.77E-04	6.01E-04
3699	488363.09, 3851377.25	0.00879	0.011	0.00898	1.35E-04	8.01E-07	2.41E-04	0.000377	1.38E-04	7.88E-07	2.68E-04	4.07E-04	1.31E-04	1.00E-06	5.14E-04	6.46E-04
3700	488863.09, 3851377.25	0.00915	0.01243	0.00948	1.40E-04	9.05E-07	2.54E-04	0.000396	1.43E-04	8.91E-07	2.83E-04	4.27E-04	1.36E-04	1.13E-06	5.43E-04	6.80E-04
3701	489363.09, 3851377.25	0.00955	0.01376	0.01001	1.47E-04	1.00E-06	2.68E-04	0.000416	1.50E-04	9.86E-07	2.99E-04	4.49E-04	1.42E-04	1.25E-06	5.73E-04	7.17E-04

3702	489863.09, 3851377.25	0.00988	0.01487	0.01044	1.52E-04	1.08E-06	2.80E-04	0.000433	1.55E-04	1.07E-06	3.11E-04	4.67E-04	1.47E-04	1.35E-06	5.98E-04	7.47E-04
3703	490363.09, 3851377.25	0.01024	0.01561	0.01086	1.57E-04	1.14E-06	2.91E-04	0.00045	1.61E-04	1.12E-06	3.24E-04	4.86E-04	1.53E-04	1.42E-06	6.22E-04	7.76E-04
3704	490863.09, 3851377.25	0.01052	0.01614	0.01114	1.61E-04	1.17E-06	2.99E-04	0.000461	1.65E-04	1.16E-06	3.32E-04	4.98E-04	1.57E-04	1.47E-06	6.38E-04	7.96E-04
3705	491363.09, 3851377.25	0.01049	0.01628	0.01112	1.61E-04	1.19E-06	2.98E-04	0.00046	1.64E-04	1.17E-06	3.32E-04	4.97E-04	1.56E-04	1.48E-06	6.37E-04	7.95E-04
3706	491863.09, 3851377.25	0.0105	0.01646	0.01117	1.61E-04	1.20E-06	3.00E-04	0.000462	1.65E-04	1.18E-06	3.33E-04	4.99E-04	1.56E-04	1.50E-06	6.40E-04	7.98E-04
3707	492363.09, 3851377.25	0.01063	0.0164	0.01131	1.63E-04	1.19E-06	3.03E-04	0.000468	1.67E-04	1.18E-06	3.37E-04	5.05E-04	1.58E-04	1.49E-06	6.48E-04	8.08E-04
3708	492863.09, 3851377.25	0.01051	0.01587	0.0112	1.61E-04	1.16E-06	3.00E-04	0.000463	1.65E-04	1.14E-06	3.34E-04	5.00E-04	1.57E-04	1.44E-06	6.42E-04	8.00E-04
3709	493363.09, 3851377.25	0.0097	0.01437	0.01038	1.49E-04	1.05E-06	2.78E-04	0.000428	1.52E-04	1.03E-06	3.10E-04	4.63E-04	1.45E-04	1.31E-06	5.95E-04	7.40E-04
3710	493863.09, 3851377.25	0.01062	0.01528	0.01131	1.63E-04	1.11E-06	3.03E-04	0.000467	1.67E-04	1.09E-06	3.37E-04	5.05E-04	1.58E-04	1.39E-06	6.48E-04	8.07E-04
3711	494363.09, 3851377.25	0.01248	0.01736	0.01321	1.92E-04	1.26E-06	3.54E-04	0.000547	1.96E-04	1.24E-06	3.94E-04	5.91E-04	1.86E-04	1.58E-06	7.57E-04	9.44E-04
3712	494863.09, 3851377.25	0.01301	0.01776	0.01375	2.00E-04	1.29E-06	3.69E-04	0.00057	2.04E-04	1.27E-06	4.10E-04	6.15E-04	1.94E-04	1.62E-06	7.88E-04	9.83E-04
3713	495363.09, 3851377.25	0.01492	0.02004	0.0157	2.29E-04	1.46E-06	4.21E-04	0.000651	2.34E-04	1.44E-06	4.68E-04	7.04E-04	2.22E-04	1.82E-06	8.99E-04	1.12E-03
3714	495863.09, 3851377.25	0.01568	0.02081	0.01648	2.41E-04	1.51E-06	4.42E-04	0.000684	2.46E-04	1.49E-06	4.92E-04	7.39E-04	2.34E-04	1.89E-06	9.44E-04	1.18E-03
3715	496363.09, 3851377.25	0.01608	0.02114	0.0169	2.47E-04	1.54E-06	4.53E-04	0.000702	2.52E-04	1.51E-06	5.04E-04	7.58E-04	2.40E-04	1.92E-06	9.68E-04	1.21E-03
3716	496863.09, 3851377.25	0.01619	0.0211	0.01704	2.48E-04	1.54E-06	4.57E-04	0.000707	2.54E-04	1.51E-06	5.08E-04	7.64E-04	2.41E-04	1.92E-06	9.76E-04	1.22E-03
3717	497363.09, 3851377.25	0.01623	0.02089	0.01709	2.49E-04	1.52E-06	4.58E-04	0.000709	2.54E-04	1.50E-06	5.10E-04	7.66E-04	2.42E-04	1.90E-06	9.79E-04	1.22E-03
3718	497863.09, 3851377.25	0.01597	0.02026	0.01685	2.45E-04	1.47E-06	4.52E-04	0.000698	2.50E-04	1.45E-06	5.03E-04	7.55E-04	2.38E-04	1.84E-06	9.65E-04	1.20E-03
3719	498363.09, 3851377.25	0.0152	0.01903	0.01605	2.33E-04	1.39E-06	4.30E-04	0.000665	2.38E-04	1.36E-06	4.79E-04	7.18E-04	2.26E-04	1.73E-06	9.19E-04	1.15E-03
3720	471363.09, 3851877.25	0.00676	0.00723	0.00694	1.04E-04	5.26E-07	1.86E-04	0.00029	1.06E-04	5.18E-07	2.07E-04	3.14E-04	1.01E-04	6.58E-07	3.98E-04	4.99E-04
3721	471863.09, 3851877.25	0.00658	0.0069	0.00674	1.01E-04	5.02E-07	1.81E-04	0.000282	1.03E-04	4.94E-07	2.01E-04	3.05E-04	9.80E-05	6.28E-07	3.86E-04	4.85E-04
3722	472363.09, 3851877.25	0.0074	0.00771	0.00756	1.14E-04	5.61E-07	2.03E-04	0.000317	1.16E-04	5.52E-07	2.26E-04	3.42E-04	1.10E-04	7.01E-07	4.33E-04	5.44E-04
3723	472863.09, 3851877.25	0.00815	0.00861	0.00828	1.25E-04	6.27E-07	2.22E-04	0.000348	1.28E-04	6.17E-07	2.47E-04	3.75E-04	1.21E-04	7.83E-07	4.74E-04	5.97E-04
3724	473363.09, 3851877.25	0.0077	0.00845	0.00779	1.18E-04	6.15E-07	2.09E-04	0.000328	1.21E-04	6.05E-07	2.32E-04	3.54E-04	1.15E-04	7.69E-07	4.46E-04	5.62E-04
3725	473863.09, 3851877.25	0.00795	0.00921	0.00802	1.22E-04	6.70E-07	2.15E-04	0.000338	1.25E-04	6.60E-07	2.39E-04	3.65E-04	1.18E-04	8.38E-07	4.59E-04	5.79E-04
3726	474363.09, 3851877.25	0.00933	0.01143	0.00936	1.43E-04	8.32E-07	2.51E-04	0.000395	1.46E-04	8.19E-07	2.79E-04	4.26E-04	1.39E-04	1.04E-06	5.36E-04	6.76E-04
3727	474863.09, 3851877.25	0.01071	0.01338	0.01075	1.64E-04	9.74E-07	2.88E-04	0.000454	1.68E-04	9.59E-07	3.21E-04	4.90E-04	1.60E-04	1.22E-06	6.16E-04	7.77E-04
3728	475363.09, 3851877.25	0.01167	0.01397	0.0117	1.79E-04	1.02E-06	3.14E-04	0.000494	1.83E-04	1.00E-06	3.49E-04	5.33E-04	1.74E-04	1.27E-06	6.70E-04	8.45E-04
3729	475863.09, 3851877.25	0.01265	0.01405	0.01261	1.94E-04	1.02E-06	3.38E-04	0.000533	1.98E-04	1.01E-06	3.76E-04	5.76E-04	1.88E-04	1.28E-06	7.22E-04	9.12E-04
3730	476363.09, 3851877.25	0.01305	0.01387	0.01304	2.00E-04	1.01E-06	3.50E-04	0.000551	2.05E-04	9.94E-07	3.89E-04	5.95E-04	1.94E-04	1.26E-06	7.47E-04	9.43E-04
3731	476863.09, 3851877.25	0.0148	0.01575	0.01472	2.27E-04	1.15E-06	3.95E-04	0.000623	2.32E-04	1.13E-06	4.39E-04	6.72E-04	2.20E-04	1.43E-06	8.43E-04	1.07E-03
3732	477363.09, 3851877.25	0.01665	0.01789	0.0165	2.55E-04	1.30E-06	4.43E-04	0.000699	2.61E-04	1.28E-06	4.92E-04	7.55E-04	2.48E-04	1.63E-06	9.45E-04	1.19E-03
3733	477863.09, 3851877.25	0.01818	0.02085	0.01805	2.79E-04	1.52E-06	4.84E-04	0.000765	2.85E-04	1.49E-06	5.38E-04	8.25E-04	2.71E-04	1.90E-06	1.03E-03	1.31E-03
3734	478363.09, 3851877.25	0.0188	0.02276	0.01873	2.88E-04	1.66E-06	5.02E-04	0.000792	2.95E-04	1.63E-06	5.59E-04	8.55E-04	2.80E-04	2.07E-06	1.07E-03	1.36E-03
3735	478863.09, 3851877.25	0.02019	0.02438	0.0199	3.10E-04	1.77E-06	5.34E-04	0.000845	3.17E-04	1.75E-06	5.94E-04	9.12E-04	3.01E-04	2.22E-06	1.14E-03	1.44E-03
3736	479363.09, 3851877.25	0.02169	0.02542	0.02052	3.33E-04	1.85E-06	5.50E-04	0.000885	3.40E-04	1.82E-06	6.12E-04	9.54E-04	3.23E-04	2.31E-06	1.18E-03	1.50E-03
3737	479863.09, 3851877.25	0.02309	0.02539	0.02143	3.54E-04	1.85E-06	5.75E-04	0.000931	3.62E-04	1.82E-06	6.39E-04	1.00E-03	3.44E-04	2.31E-06	1.23E-03	1.57E-03
3738	480363.09, 3851877.25	0.02768	0.03107	0.02587	4.25E-04	2.26E-06	6.94E-04	0.001121	4.34E-04	2.23E-06	7.72E-04	1.21E-03	4.12E-04	2.83E-06	1.48E-03	1.90E-03
3739	480863.09, 3851877.25	0.03283	0.03925	0.03132	5.04E-04	2.86E-06	8.40E-04	0.001347	5.15E-04	2.81E-06	9.34E-04	1.45E-03	4.89E-04	3.57E-06	1.79E-03	2.29E-03
3740	481363.09, 3851877.25	0.03333	0.03691	0.03073	5.11E-04	2.69E-06	8.24E-04	0.001338	5.23E-04	2.64E-06	9.17E-04	1.44E-03	4.97E-04	3.36E-06	1.76E-03	2.26E-03
3741	481863.09, 3851877.25	0.02923	0.03324	0.02707	4.49E-04	2.42E-06	7.26E-04	0.001177	4.58E-04	2.38E-06	8.08E-04	1.27E-03	4.35E-04	3.02E-06	1.55E-03	1.99E-03
3742	482363.09, 3851877.25	0.02065	0.02099	0.01922	3.17E-04	1.53E-06	5.15E-04	0.000834	3.24E-04	1.50E-06	5.73E-04	8.99E-04	3.08E-04	1.91E-06	1.10E-03	1.41E-03
3743	482863.09, 3851877.25	0.01352	0.01408	0.01264	2.07E-04	1.02E-06	3.39E-04	0.000548	2.12E-04	1.01E-06	3.77E-04	5.90E-04	2.01E-04	1.28E-06	7.24E-04	9.27E-04
3744	483363.09, 3851877.25	0.0138	0.01444	0.01249	2.12E-04	1.05E-06	3.35E-04	0.000548	2.16E-04	1.03E-06	3.73E-04	5.90E-04	2.06E-04	1.31E-06	7.15E-04	9.22E-04
3745	483863.09, 3851877.25	0.01199	0.01173	0.01088	1.84E-04	8.54E-07	2.92E-04	0.000477	1.88E-04	8.40E-07	3.25E-04	5.13E-04	1.79E-04	1.07E-06	6.23E-04	8.03E-04
3746	484363.09, 3851877.25	0.01289	0.01156	0.01173	1.98E-04	8.41E-07	3.15E-04	0.000513	2.02E-04	8.28E-07	3.50E-04	5.53E-04	1.92E-04	1.05E-06	6.72E-04	8.65E-04
3747	484863.09, 3851877.25	0.01144	0.01099	0.01054	1.76E-04	8.00E-07	2.83E-04	0.000459	1.79E-04	7.87E-07	3.14E-04	4.95E-04	1.70E-04	1.00E-06	6.04E-04	7.75E-04
3748	485363.09, 3851877.25	0.01183	0.01114	0.01093	1.82E-04	8.11E-07	2.93E-04	0.000475	1.85E-04	7.98E-07	3.26E-04	5.12E-04	1.76E-04	1.01E-06	6.26E-04	8.03E-04
3749	485863.09, 3851877.25	0.0122	0.013	0.01131	1.87E-04	9.46E-07	3.03E-04	0.000491	1.91E-04	9.31E-07	3.37E-04	5.30E-04	1.82E-04	1.18E-06	6.48E-04	8.31E-04
3750	486363.09, 3851877.25	0.01107	0.01273	0.01057	1.70E-04	9.27E-07	2.83E-04	0.000454	1.74E-04	9.12E-07	3.15E-04	4.90E-04	1.65E-04	1.16E-06	6.05E-04	7.72E-04
3751	486863.09, 3851877.25	0.01125	0.01348	0.01107	1.73E-04	9.81E-07	2.97E-04	0.000471	1.76E-04	9.66E-07	3.30E-04	5.08E-04	1.68E-04	1.23E-06	6.34E-04	8.03E-04
3752	487363.09, 3851877.25	0.0115	0.01375	0.01157	1.76E-04	1.00E-06	3.10E-04	0.000488	1.80E-04	9.85E-07	3.45E-04	5.26E-04	1.71E-04	1.25E-06	6.63E-04	8.35E-04
3753	487863.09, 3851877.25	0.01074	0.01377	0.01113	1.65E-04	1.00E-06	2.99E-04	0.000464	1.68E-04	9.87E-07	3.32E-04	5.01E-04	1.60E-04	1.25E-06	6.38E-04	7.99E-04
3754	488363.09, 3851877.25	0.01141	0.0163	0.01195	1.75E-04	1.19E-06	3.21E-04	0.000497	1.79E-04	1.17E-06	3.56E-04	5.37E-04	1.70E-04	1.48E-06	6.85E-04	8.56E-04
3755	488863.09, 3851877.25	0.01149	0.01756	0.01217	1.76E-04	1.28E-06	3.26E-04	0.000504	1.80E-04	1.26E-06	3.63E-04	5.44E-04	1.71E-04	1.60E-06	6.97E-04	8.70E-04
3756	489363.09, 3851877.25	0.01168	0.01837	0.01246	1.79E-04	1.34E-06	3.34E-04	0.000515	1.83E-04	1.32E-06	3.72E-04	5.56E-04	1.74E-04	1.67E-06	7.14E-04	8.89E-04
3757	489863.09, 3851877.25	0.0121	0.01935	0.01291	1.86E-04	1.41E-06	3.46E-04	0.000533	1.90E-04	1.39E-06	3.85E-04	5.76E-04	1.80E-04	1.76E-06	7.40E-04	9.22E-04
3758	490363.09, 3851877.25	0.01278	0.0205	0.01361	1.96E-04	1.49E-06	3.65E-04	0.000563	2.00E-04	1.47E-06	4.06E-04	6.08E-04	1.90E-04	1.86E-06	7.80E-04	9.72E-04

3759	490863.09, 3851877.25	0.01352	0.02173	0.01437	2.07E-04	1.58E-06	3.85E-04	0.000594	2.12E-04	1.56E-06	4.29E-04	6.42E-04	2.01E-04	1.98E-06	8.23E-04	1.03E-03
3760	491363.09, 3851877.25	0.0143	0.02277	0.01517	2.19E-04	1.66E-06	4.07E-04	0.000628	2.24E-04	1.63E-06	4.53E-04	6.78E-04	2.13E-04	2.07E-06	8.69E-04	1.08E-03
3761	491863.09, 3851877.25	0.01483	0.02295	0.01571	2.28E-04	1.67E-06	4.21E-04	0.000651	2.33E-04	1.64E-06	4.69E-04	7.03E-04	2.21E-04	2.09E-06	9.00E-04	1.12E-03
3762	492363.09, 3851877.25	0.01459	0.022	0.01546	2.24E-04	1.60E-06	4.15E-04	0.00064	2.29E-04	1.58E-06	4.61E-04	6.92E-04	2.17E-04	2.00E-06	8.86E-04	1.10E-03
3763	492863.09, 3851877.25	0.01295	0.01916	0.01378	1.99E-04	1.39E-06	3.70E-04	0.00057	2.03E-04	1.37E-06	4.11E-04	6.16E-04	1.93E-04	1.74E-06	7.89E-04	9.84E-04
3764	493363.09, 3851877.25	0.01528	0.02189	0.01616	2.34E-04	1.59E-06	4.33E-04	0.000669	2.40E-04	1.57E-06	4.82E-04	7.23E-04	2.28E-04	1.99E-06	9.26E-04	1.16E-03
3765	493863.09, 3851877.25	0.01785	0.02486	0.01876	2.74E-04	1.81E-06	5.03E-04	0.000779	2.80E-04	1.78E-06	5.60E-04	8.41E-04	2.66E-04	2.26E-06	1.07E-03	1.34E-03
3766	494363.09, 3851877.25	0.01743	0.02392	0.01831	2.67E-04	1.74E-06	4.91E-04	0.00076	2.73E-04	1.71E-06	5.46E-04	8.21E-04	2.60E-04	2.18E-06	1.05E-03	1.31E-03
3767	494863.09, 3851877.25	0.01909	0.02576	0.02002	2.93E-04	1.88E-06	5.37E-04	0.000832	2.99E-04	1.85E-06	5.97E-04	8.98E-04	2.84E-04	2.34E-06	1.15E-03	1.43E-03
3768	495363.09, 3851877.25	0.02015	0.02684	0.02113	3.09E-04	1.95E-06	5.67E-04	0.000878	3.16E-04	1.92E-06	6.30E-04	9.48E-04	3.00E-04	2.44E-06	1.21E-03	1.51E-03
3769	495863.09, 3851877.25	0.02075	0.02734	0.02178	3.18E-04	1.99E-06	5.84E-04	0.000905	3.25E-04	1.96E-06	6.50E-04	9.77E-04	3.09E-04	2.49E-06	1.25E-03	1.56E-03
3770	496363.09, 3851877.25	0.02048	0.02652	0.02152	3.14E-04	1.93E-06	5.77E-04	0.000893	3.21E-04	1.90E-06	6.42E-04	9.65E-04	3.05E-04	2.41E-06	1.23E-03	1.54E-03
3771	496863.09, 3851877.25	0.02004	0.02544	0.0211	3.08E-04	1.85E-06	5.66E-04	0.000875	3.14E-04	1.82E-06	6.29E-04	9.45E-04	2.99E-04	2.31E-06	1.21E-03	1.51E-03
3772	497363.09, 3851877.25	0.01948	0.02429	0.02051	2.99E-04	1.77E-06	5.50E-04	0.000851	3.05E-04	1.74E-06	6.12E-04	9.19E-04	2.90E-04	2.21E-06	1.17E-03	1.47E-03
3773	497863.09, 3851877.25	0.01827	0.0225	0.01926	2.80E-04	1.64E-06	5.17E-04	0.000799	2.86E-04	1.61E-06	5.75E-04	8.63E-04	2.72E-04	2.05E-06	1.10E-03	1.38E-03
3774	498363.09, 3851877.25	0.0172	0.02097	0.01815	2.64E-04	1.53E-06	4.87E-04	0.000752	2.70E-04	1.50E-06	5.41E-04	8.13E-04	2.56E-04	1.91E-06	1.04E-03	1.30E-03
3775	471363.09, 3852377.25	0.00622	0.00708	0.00637	9.54E-05	5.15E-07	1.71E-04	0.000267	9.75E-05	5.07E-07	1.90E-04	2.88E-04	9.27E-05	6.44E-07	3.65E-04	4.58E-04
3776	471863.09, 3852377.25	0.00711	0.00808	0.00727	1.09E-04	5.88E-07	1.95E-04	0.000305	1.11E-04	5.79E-07	2.17E-04	3.29E-04	1.06E-04	7.35E-07	4.16E-04	5.23E-04
3777	472363.09, 3852377.25	0.00775	0.00871	0.00795	1.19E-04	6.34E-07	2.13E-04	0.000333	1.22E-04	6.24E-07	2.37E-04	3.59E-04	1.15E-04	7.92E-07	4.55E-04	5.72E-04
3778	472863.09, 3852377.25	0.00827	0.00919	0.00846	1.27E-04	6.69E-07	2.27E-04	0.000354	1.30E-04	6.58E-07	2.52E-04	3.83E-04	1.23E-04	8.36E-07	4.85E-04	6.09E-04
3779	473363.09, 3852377.25	0.00856	0.00928	0.00874	1.31E-04	6.76E-07	2.34E-04	0.000366	1.34E-04	6.65E-07	2.61E-04	3.96E-04	1.28E-04	8.44E-07	5.01E-04	6.29E-04
3780	473863.09, 3852377.25	0.00869	0.00921	0.00886	1.33E-04	6.70E-07	2.38E-04	0.000372	1.36E-04	6.60E-07	2.64E-04	4.01E-04	1.29E-04	8.38E-07	5.08E-04	6.38E-04
3781	474363.09, 3852377.25	0.00897	0.00952	0.00912	1.38E-04	6.93E-07	2.45E-04	0.000383	1.41E-04	6.82E-07	2.72E-04	4.13E-04	1.34E-04	8.66E-07	5.22E-04	6.57E-04
3782	474863.09, 3852377.25	0.01154	0.01296	0.01166	1.77E-04	9.43E-07	3.13E-04	0.000491	1.81E-04	9.29E-07	3.48E-04	5.30E-04	1.72E-04	1.18E-06	6.68E-04	8.41E-04
3783	475363.09, 3852377.25	0.01203	0.01443	0.01211	1.85E-04	1.05E-06	3.25E-04	0.00051	1.89E-04	1.03E-06	3.61E-04	5.51E-04	1.79E-04	1.31E-06	6.94E-04	8.74E-04
3784	475863.09, 3852377.25	0.01236	0.01551	0.0124	1.90E-04	1.13E-06	3.33E-04	0.000523	1.94E-04	1.11E-06	3.70E-04	5.65E-04	1.84E-04	1.41E-06	7.10E-04	8.96E-04
3785	476363.09, 3852377.25	0.01237	0.01532	0.0124	1.90E-04	1.12E-06	3.33E-04	0.000524	1.94E-04	1.10E-06	3.70E-04	5.65E-04	1.84E-04	1.39E-06	7.10E-04	8.96E-04
3786	476863.09, 3852377.25	0.01342	0.01563	0.01346	2.06E-04	1.14E-06	3.61E-04	0.000568	2.10E-04	1.12E-06	4.02E-04	6.13E-04	2.00E-04	1.42E-06	7.71E-04	9.72E-04
3787	477363.09, 3852377.25	0.01418	0.0155	0.01428	2.18E-04	1.13E-06	3.83E-04	0.000602	2.22E-04	1.11E-06	4.26E-04	6.49E-04	2.11E-04	1.41E-06	8.18E-04	1.03E-03
3788	477863.09, 3852377.25	0.01284	0.01355	0.01298	1.97E-04	9.86E-07	3.48E-04	0.000546	2.01E-04	9.71E-07	3.87E-04	5.90E-04	1.91E-04	1.23E-06	7.44E-04	9.36E-04
3789	478363.09, 3852377.25	0.01222	0.01303	0.01229	1.88E-04	9.48E-07	3.30E-04	0.000518	1.92E-04	9.34E-07	3.67E-04	5.59E-04	1.82E-04	1.19E-06	7.04E-04	8.87E-04
3790	478863.09, 3852377.25	0.01654	0.01884	0.01638	2.54E-04	1.37E-06	4.39E-04	0.000695	2.59E-04	1.35E-06	4.89E-04	7.49E-04	2.46E-04	1.71E-06	9.38E-04	1.19E-03
3791	479363.09, 3852377.25	0.01972	0.02323	0.01939	3.03E-04	1.69E-06	5.20E-04	0.000824	3.09E-04	1.66E-06	5.78E-04	8.89E-04	2.94E-04	2.11E-06	1.11E-03	1.41E-03
3792	479863.09, 3852377.25	0.02494	0.03066	0.02458	3.83E-04	2.23E-06	6.59E-04	0.001044	3.91E-04	2.20E-06	7.33E-04	1.13E-03	3.72E-04	2.79E-06	1.41E-03	1.78E-03
3793	480363.09, 3852377.25	0.02922	0.03425	0.02734	4.48E-04	2.49E-06	7.33E-04	0.001184	4.58E-04	2.45E-06	8.16E-04	1.28E-03	4.35E-04	3.12E-06	1.57E-03	2.00E-03
3794	480863.09, 3852377.25	0.03497	0.04036	0.03268	5.37E-04	2.94E-06	8.76E-04	0.001416	5.48E-04	2.89E-06	9.75E-04	1.53E-03	5.21E-04	3.67E-06	1.87E-03	2.40E-03
3795	481363.09, 3852377.25	0.04162	0.05103	0.0398	6.39E-04	3.71E-06	1.07E-03	0.00171	6.53E-04	3.66E-06	1.19E-03	1.84E-03	6.20E-04	4.64E-06	2.28E-03	2.90E-03
3796	481863.09, 3852377.25	0.04239	0.04748	0.03872	6.50E-04	3.46E-06	1.04E-03	0.001692	6.65E-04	3.40E-06	1.16E-03	1.82E-03	6.31E-04	4.32E-06	2.22E-03	2.85E-03
3797	482363.09, 3852377.25	0.03729	0.0424	0.03358	5.72E-04	3.09E-06	9.01E-04	0.001476	5.85E-04	3.04E-06	1.00E-03	1.59E-03	5.56E-04	3.86E-06	1.92E-03	2.48E-03
3798	482863.09, 3852377.25	0.0303	0.03121	0.02815	4.65E-04	2.27E-06	7.55E-04	0.001222	4.75E-04	2.24E-06	8.40E-04	1.32E-03	4.51E-04	2.84E-06	1.61E-03	2.07E-03
3799	483363.09, 3852377.25	0.02048	0.02194	0.01846	3.14E-04	1.60E-06	4.95E-04	0.000811	3.21E-04	1.57E-06	5.51E-04	8.73E-04	3.05E-04	2.00E-06	1.06E-03	1.36E-03
3800	483863.09, 3852377.25	0.01605	0.01554	0.01446	2.46E-04	1.13E-06	3.88E-04	0.000635	2.52E-04	1.11E-06	4.31E-04	6.84E-04	2.39E-04	1.41E-06	8.28E-04	1.07E-03
3801	484363.09, 3852377.25	0.01772	0.01644	0.01611	2.72E-04	1.20E-06	4.32E-04	0.000705	2.78E-04	1.18E-06	4.81E-04	7.60E-04	2.64E-04	1.50E-06	9.23E-04	1.19E-03
3802	484863.09, 3852377.25	0.01893	0.01699	0.01716	2.90E-04	1.24E-06	4.60E-04	0.000752	2.97E-04	1.22E-06	5.12E-04	8.10E-04	2.82E-04	1.55E-06	9.83E-04	1.27E-03
3803	485363.09, 3852377.25	0.02017	0.01977	0.01833	3.10E-04	1.44E-06	4.92E-04	0.000803	3.16E-04	1.42E-06	5.47E-04	8.64E-04	3.00E-04	1.80E-06	1.05E-03	1.35E-03
3804	485863.09, 3852377.25	0.01844	0.02024	0.0174	2.83E-04	1.47E-06	4.67E-04	0.000751	2.89E-04	1.45E-06	5.19E-04	8.10E-04	2.75E-04	1.84E-06	9.97E-04	1.27E-03
3805	486363.09, 3852377.25	0.01591	0.01827	0.01571	2.44E-04	1.33E-06	4.21E-04	0.000667	2.49E-04	1.31E-06	4.69E-04	7.19E-04	2.37E-04	1.66E-06	9.00E-04	1.14E-03
3806	486863.09, 3852377.25	0.01576	0.01913	0.01608	2.42E-04	1.39E-06	4.31E-04	0.000675	2.47E-04	1.37E-06	4.80E-04	7.28E-04	2.35E-04	1.74E-06	9.21E-04	1.16E-03
3807	487363.09, 3852377.25	0.01535	0.02067	0.01601	2.36E-04	1.50E-06	4.29E-04	0.000666	2.41E-04	1.48E-06	4.78E-04	7.20E-04	2.29E-04	1.88E-06	9.17E-04	1.15E-03
3808	487863.09, 3852377.25	0.01516	0.02251	0.01606	2.33E-04	1.64E-06	4.31E-04	0.000665	2.38E-04	1.61E-06	4.79E-04	7.18E-04	2.26E-04	2.05E-06	9.20E-04	1.15E-03
3809	488363.09, 3852377.25	0.015	0.02428	0.01604	2.30E-04	1.77E-06	4.30E-04	0.000662	2.35E-04	1.74E-06	4.79E-04	7.15E-04	2.23E-04	2.21E-06	9.19E-04	1.14E-03
3810	488863.09, 3852377.25	0.01471	0.02456	0.01582	2.26E-04	1.79E-06	4.24E-04	0.000652	2.31E-04	1.76E-06	4.72E-04	7.04E-04	2.19E-04	2.23E-06	9.06E-04	1.13E-03
3811	489363.09, 3852377.25	0.01477	0.02498	0.01588	2.27E-04	1.82E-06	4.26E-04	0.000654	2.32E-04	1.79E-06	4.74E-04	7.07E-04	2.20E-04	2.27E-06	9.10E-04	1.13E-03
3812	489863.09, 3852377.25	0.01421	0.02405	0.01528	2.18E-04	1.75E-06	4.10E-04	0.00063	2.23E-04	1.72E-06	4.56E-04	6.80E-04	2.12E-04	2.19E-06	8.75E-04	1.09E-03
3813	490363.09, 3852377.25	0.01598	0.02641	0.01705	2.45E-04	1.92E-06	4.57E-04	0.000704	2.51E-04	1.89E-06	5.09E-04	7.61E-04	2.38E-04	2.40E-06	9.77E-04	1.22E-03
3814	490863.09, 3852377.25	0.01742	0.02816	0.01848	2.67E-04	2.05E-06	4.96E-04	0.000765	2.73E-04	2.02E-06	5.51E-04	8.26E-04	2.60E-04	2.56E-06	1.06E-03	1.32E-03
3815	491363.09, 3852377.25	0.0204	0.03182	0.02154	3.13E-04	2.32E-06	5.78E-04	0.000893	3.20E-04	2.28E-06	6.43E-04	9.65E-04	3.04E-04	2.89E-06	1.23E-03	1.54E-03

3816	491863.09, 3852377.25	0.02112	0.03195	0.02225	3.24E-04	2.33E-06	5.97E-04	0.000923	3.31E-04	2.29E-06	6.64E-04	9.97E-04	3.15E-04	2.91E-06	1.27E-03	1.59E-03
3817	492363.09, 3852377.25	0.02143	0.0317	0.02255	3.29E-04	2.31E-06	6.05E-04	0.000936	3.36E-04	2.27E-06	6.73E-04	1.01E-03	3.19E-04	2.88E-06	1.29E-03	1.61E-03
3818	492863.09, 3852377.25	0.02274	0.0327	0.02387	3.49E-04	2.38E-06	6.40E-04	0.000992	3.57E-04	2.34E-06	7.12E-04	1.07E-03	3.39E-04	2.97E-06	1.37E-03	1.71E-03
3819	493363.09, 3852377.25	0.025	0.03489	0.02614	3.84E-04	2.54E-06	7.01E-04	0.001087	3.92E-04	2.50E-06	7.80E-04	1.17E-03	3.72E-04	3.17E-06	1.50E-03	1.87E-03
3820	493863.09, 3852377.25	0.02479	0.03394	0.02591	3.80E-04	2.47E-06	6.95E-04	0.001078	3.89E-04	2.43E-06	7.73E-04	1.16E-03	3.69E-04	3.09E-06	1.48E-03	1.86E-03
3821	494363.09, 3852377.25	0.02463	0.03313	0.02577	3.78E-04	2.41E-06	6.91E-04	0.001072	3.86E-04	2.37E-06	7.69E-04	1.16E-03	3.67E-04	3.01E-06	1.48E-03	1.85E-03
3822	494863.09, 3852377.25	0.02578	0.03407	0.02697	3.96E-04	2.48E-06	7.23E-04	0.001121	4.04E-04	2.44E-06	8.05E-04	1.21E-03	3.84E-04	3.10E-06	1.54E-03	1.93E-03
3823	495363.09, 3852377.25	0.02692	0.03487	0.02819	4.13E-04	2.54E-06	7.56E-04	0.001172	4.22E-04	2.50E-06	8.41E-04	1.27E-03	4.01E-04	3.17E-06	1.61E-03	2.02E-03
3824	495863.09, 3852377.25	0.02594	0.03285	0.0272	3.98E-04	2.39E-06	7.30E-04	0.00113	4.07E-04	2.35E-06	8.11E-04	1.22E-03	3.86E-04	2.99E-06	1.56E-03	1.95E-03
3825	496363.09, 3852377.25	0.02488	0.03097	0.02612	3.82E-04	2.25E-06	7.01E-04	0.001085	3.90E-04	2.22E-06	7.79E-04	1.17E-03	3.71E-04	2.82E-06	1.50E-03	1.87E-03
3826	496863.09, 3852377.25	0.02416	0.02968	0.02537	3.71E-04	2.16E-06	6.80E-04	0.001053	3.79E-04	2.13E-06	7.57E-04	1.14E-03	3.60E-04	2.70E-06	1.45E-03	1.82E-03
3827	497363.09, 3852377.25	0.02209	0.02696	0.02321	3.39E-04	1.96E-06	6.23E-04	0.000963	3.46E-04	1.93E-06	6.92E-04	1.04E-03	3.29E-04	2.45E-06	1.33E-03	1.66E-03
3828	497863.09, 3852377.25	0.02011	0.02444	0.02115	3.09E-04	1.78E-06	5.67E-04	0.000878	3.15E-04	1.75E-06	6.31E-04	9.48E-04	3.00E-04	2.22E-06	1.21E-03	1.51E-03
3829	498363.09, 3852377.25	0.01834	0.02211	0.01929	2.81E-04	1.61E-06	5.17E-04	0.0008	2.88E-04	1.58E-06	5.75E-04	8.65E-04	2.73E-04	2.01E-06	1.11E-03	1.38E-03
3830	471363.09, 3852877.25	0.00649	0.00683	0.00668	9.96E-05	4.97E-07	1.79E-04	0.000279	1.02E-04	4.89E-07	1.99E-04	3.02E-04	9.67E-05	6.21E-07	3.83E-04	4.80E-04
3831	471863.09, 3852877.25	0.00724	0.00779	0.00741	1.11E-04	5.67E-07	1.99E-04	0.00031	1.14E-04	5.58E-07	2.21E-04	3.35E-04	1.08E-04	7.09E-07	4.24E-04	5.33E-04
3832	472363.09, 3852877.25	0.00804	0.00889	0.00824	1.23E-04	6.47E-07	2.21E-04	0.000345	1.26E-04	6.37E-07	2.46E-04	3.73E-04	1.20E-04	8.09E-07	4.72E-04	5.93E-04
3833	472863.09, 3852877.25	0.00874	0.00991	0.00891	1.34E-04	7.21E-07	2.39E-04	0.000374	1.37E-04	7.10E-07	2.66E-04	4.04E-04	1.30E-04	9.01E-07	5.10E-04	6.42E-04
3834	473363.09, 3852877.25	0.00949	0.01095	0.00964	1.46E-04	7.97E-07	2.59E-04	0.000405	1.49E-04	7.85E-07	2.88E-04	4.37E-04	1.41E-04	9.96E-07	5.52E-04	6.95E-04
3835	473863.09, 3852877.25	0.01041	0.01225	0.01059	1.60E-04	8.92E-07	2.84E-04	0.000445	1.63E-04	8.78E-07	3.16E-04	4.80E-04	1.55E-04	1.11E-06	6.07E-04	7.63E-04
3836	474363.09, 3852877.25	0.01135	0.01332	0.01152	1.74E-04	9.70E-07	3.09E-04	0.000484	1.78E-04	9.54E-07	3.44E-04	5.23E-04	1.69E-04	1.21E-06	6.60E-04	8.30E-04
3837	474863.09, 3852877.25	0.01065	0.01207	0.01082	1.63E-04	8.79E-07	2.90E-04	0.000455	1.67E-04	8.65E-07	3.23E-04	4.91E-04	1.59E-04	1.10E-06	6.20E-04	7.80E-04
3838	475363.09, 3852877.25	0.0118	0.01306	0.01195	1.81E-04	9.51E-07	3.21E-04	0.000503	1.85E-04	9.36E-07	3.56E-04	5.42E-04	1.76E-04	1.19E-06	6.85E-04	8.62E-04
3839	475863.09, 3852877.25	0.01228	0.01342	0.01243	1.88E-04	9.77E-07	3.33E-04	0.000523	1.93E-04	9.62E-07	3.71E-04	5.64E-04	1.83E-04	1.22E-06	7.12E-04	8.96E-04
3840	476363.09, 3852877.25	0.01174	0.01311	0.01187	1.80E-04	9.54E-07	3.18E-04	0.000499	1.84E-04	9.39E-07	3.54E-04	5.39E-04	1.75E-04	1.19E-06	6.80E-04	8.56E-04
3841	476863.09, 3852877.25	0.01051	0.01227	0.01061	1.61E-04	8.93E-07	2.85E-04	0.000447	1.65E-04	8.79E-07	3.17E-04	4.82E-04	1.57E-04	1.12E-06	6.08E-04	7.65E-04
3842	477363.09, 3852877.25	0.00976	0.01192	0.00987	1.50E-04	8.68E-07	2.65E-04	0.000415	1.53E-04	8.54E-07	2.94E-04	4.48E-04	1.45E-04	1.08E-06	5.65E-04	7.12E-04
3843	477863.09, 3852877.25	0.00895	0.01101	0.00916	1.37E-04	8.01E-07	2.46E-04	0.000384	1.40E-04	7.89E-07	2.73E-04	4.14E-04	1.33E-04	1.00E-06	5.25E-04	6.59E-04
3844	478363.09, 3852877.25	0.00737	0.00906	0.00772	1.13E-04	6.59E-07	2.07E-04	0.000321	1.16E-04	6.49E-07	2.30E-04	3.47E-04	1.10E-04	8.24E-07	4.42E-04	5.53E-04
3845	478863.09, 3852877.25	0.00875	0.01002	0.00913	1.34E-04	7.29E-07	2.45E-04	0.00038	1.37E-04	7.18E-07	2.72E-04	4.10E-04	1.30E-04	9.11E-07	5.23E-04	6.54E-04
3846	479363.09, 3852877.25	0.01238	0.01382	0.0126	1.90E-04	1.01E-06	3.38E-04	0.000529	1.94E-04	9.90E-07	3.76E-04	5.71E-04	1.84E-04	1.26E-06	7.22E-04	9.07E-04
3847	479863.09, 3852877.25	0.02384	0.028	0.02353	3.66E-04	2.04E-06	6.31E-04	0.000999	3.74E-04	2.01E-06	7.02E-04	1.08E-03	3.55E-04	2.55E-06	1.35E-03	1.71E-03
3848	480363.09, 3852877.25	0.03443	0.04421	0.03394	5.28E-04	3.22E-06	9.10E-04	0.001442	5.40E-04	3.17E-06	1.01E-03	1.56E-03	5.13E-04	4.02E-06	1.94E-03	2.46E-03
3849	480863.09, 3852877.25	0.03709	0.04593	0.0356	5.69E-04	3.34E-06	9.55E-04	0.001527	5.82E-04	3.29E-06	1.06E-03	1.65E-03	5.53E-04	4.18E-06	2.04E-03	2.60E-03
3850	481363.09, 3852877.25	0.04687	0.05515	0.04405	7.19E-04	4.01E-06	1.18E-03	0.001905	7.35E-04	3.95E-06	1.31E-03	2.05E-03	6.98E-04	5.02E-06	2.52E-03	3.23E-03
3851	481863.09, 3852877.25	0.05657	0.07044	0.05388	8.68E-04	5.13E-06	1.45E-03	0.002318	8.87E-04	5.05E-06	1.61E-03	2.50E-03	8.43E-04	6.41E-06	3.09E-03	3.94E-03
3852	482363.09, 3852877.25	0.05742	0.06503	0.05077	8.81E-04	4.73E-06	1.36E-03	0.002248	9.00E-04	4.66E-06	1.51E-03	2.42E-03	8.55E-04	5.92E-06	2.91E-03	3.77E-03
3853	482863.09, 3852877.25	0.05209	0.05489	0.04627	7.99E-04	4.00E-06	1.24E-03	0.002044	8.17E-04	3.93E-06	1.38E-03	2.20E-03	7.76E-04	4.99E-06	2.65E-03	3.43E-03
3854	483363.09, 3852877.25	0.03996	0.04531	0.03547	6.13E-04	3.30E-06	9.51E-04	0.001568	6.27E-04	3.25E-06	1.06E-03	1.69E-03	5.95E-04	4.12E-06	2.03E-03	2.63E-03
3855	483863.09, 3852877.25	0.02607	0.0236	0.0225	4.00E-04	1.72E-06	6.03E-04	0.001005	4.09E-04	1.69E-06	6.71E-04	1.08E-03	3.88E-04	2.15E-06	1.29E-03	1.68E-03
3856	484363.09, 3852877.25	0.03099	0.02665	0.02677	4.76E-04	1.94E-06	7.18E-04	0.001195	4.86E-04	1.91E-06	7.99E-04	1.29E-03	4.62E-04	2.42E-06	1.53E-03	2.00E-03
3857	484863.09, 3852877.25	0.033	0.02862	0.02953	5.06E-04	2.08E-06	7.92E-04	0.0013	5.17E-04	2.05E-06	8.81E-04	1.40E-03	4.92E-04	2.60E-06	1.69E-03	2.19E-03
3858	485363.09, 3852877.25	0.02402	0.02364	0.02288	3.69E-04	1.72E-06	6.14E-04	0.000984	3.77E-04	1.69E-06	6.83E-04	1.06E-03	3.58E-04	2.15E-06	1.31E-03	1.67E-03
3859	485863.09, 3852877.25	0.02234	0.02454	0.02248	3.43E-04	1.79E-06	6.03E-04	0.000948	3.50E-04	1.76E-06	6.71E-04	1.02E-03	3.33E-04	2.23E-06	1.29E-03	1.62E-03
3860	486363.09, 3852877.25	0.02082	0.02599	0.0219	3.19E-04	1.89E-06	5.87E-04	0.000909	3.26E-04	1.86E-06	6.53E-04	9.82E-04	3.10E-04	2.36E-06	1.25E-03	1.57E-03
3861	486863.09, 3852877.25	0.02133	0.03054	0.02282	3.27E-04	2.22E-06	6.12E-04	0.000942	3.34E-04	2.19E-06	6.81E-04	1.02E-03	3.18E-04	2.78E-06	1.31E-03	1.63E-03
3862	487363.09, 3852877.25	0.02087	0.03352	0.02254	3.20E-04	2.44E-06	6.05E-04	0.000927	3.27E-04	2.40E-06	6.72E-04	1.00E-03	3.11E-04	3.05E-06	1.29E-03	1.61E-03
3863	487863.09, 3852877.25	0.02078	0.03577	0.02247	3.19E-04	2.60E-06	6.03E-04	0.000924	3.26E-04	2.56E-06	6.70E-04	9.99E-04	3.10E-04	3.25E-06	1.29E-03	1.60E-03
3864	488363.09, 3852877.25	0.01698	0.03081	0.01858	2.61E-04	2.24E-06	4.98E-04	0.000761	2.66E-04	2.21E-06	5.54E-04	8.23E-04	2.53E-04	2.80E-06	1.06E-03	1.32E-03
3865	488863.09, 3852877.25	0.01886	0.03375	0.02041	2.89E-04	2.46E-06	5.47E-04	0.000839	2.96E-04	2.42E-06	6.09E-04	9.07E-04	2.81E-04	3.07E-06	1.17E-03	1.45E-03
3866	489363.09, 3852877.25	0.01982	0.03479	0.02132	3.04E-04	2.53E-06	5.72E-04	0.000878	3.11E-04	2.49E-06	6.36E-04	9.49E-04	2.95E-04	3.16E-06	1.22E-03	1.52E-03
3867	489863.09, 3852877.25	0.0206	0.03503	0.02203	3.16E-04	2.55E-06	5.91E-04	0.00091	3.23E-04	2.51E-06	6.57E-04	9.83E-04	3.07E-04	3.19E-06	1.26E-03	1.57E-03
3868	490363.09, 3852877.25	0.02562	0.04201	0.02703	3.93E-04	3.06E-06	7.25E-04	0.001121	4.02E-04	3.01E-06	8.06E-04	1.21E-03	3.82E-04	3.82E-06	1.55E-03	1.93E-03
3869	490863.09, 3852877.25	0.02801	0.0445	0.02941	4.30E-04	3.24E-06	7.89E-04	0.001222	4.39E-04	3.19E-06	8.77E-04	1.32E-03	4.17E-04	4.05E-06	1.68E-03	2.11E-03
3870	491363.09, 3852877.25	0.02991	0.0458	0.0313	4.59E-04	3.33E-06	8.39E-04	0.001302	4.69E-04	3.28E-06	9.34E-04	1.41E-03	4.46E-04	4.17E-06	1.79E-03	2.24E-03
3871	491863.09, 3852877.25	0.03052	0.04519	0.03189	4.68E-04	3.29E-06	8.55E-04	0.001327	4.79E-04	3.24E-06	9.51E-04	1.43E-03	4.55E-04	4.11E-06	1.83E-03	2.29E-03
3872	492363.09, 3852877.25	0.03137	0.04481	0.03273	4.81E-04	3.26E-06	8.78E-04	0.001362	4.92E-04	3.21E-06	9.76E-04	1.47E-03	4.67E-04	4.08E-06	1.87E-03	2.35E-03

3873	492863.09, 3852877.25	0.03341	0.04616	0.03478	5.13E-04	3.36E-06	9.33E-04	0.001449	5.24E-04	3.31E-06	1.04E-03	1.56E-03	4.98E-04	4.20E-06	1.99E-03	2.49E-03
3874	493363.09, 3852877.25	0.03469	0.04675	0.03612	5.32E-04	3.40E-06	9.69E-04	0.001504	5.44E-04	3.35E-06	1.08E-03	1.62E-03	5.17E-04	4.25E-06	2.07E-03	2.59E-03
3875	493863.09, 3852877.25	0.03427	0.04531	0.03568	5.26E-04	3.30E-06	9.57E-04	0.001486	5.37E-04	3.25E-06	1.06E-03	1.60E-03	5.11E-04	4.12E-06	2.04E-03	2.56E-03
3876	494363.09, 3852877.25	0.03392	0.04411	0.03537	5.21E-04	3.21E-06	9.49E-04	0.001472	5.32E-04	3.16E-06	1.06E-03	1.59E-03	5.05E-04	4.01E-06	2.03E-03	2.54E-03
3877	494863.09, 3852877.25	0.03412	0.04342	0.03563	5.24E-04	3.16E-06	9.56E-04	0.001482	5.35E-04	3.11E-06	1.06E-03	1.60E-03	5.08E-04	3.95E-06	2.04E-03	2.55E-03
3878	495363.09, 3852877.25	0.03235	0.04041	0.03381	4.96E-04	2.94E-06	9.07E-04	0.001406	5.07E-04	2.90E-06	1.01E-03	1.52E-03	4.82E-04	3.68E-06	1.94E-03	2.42E-03
3879	495863.09, 3852877.25	0.03062	0.03776	0.03203	4.70E-04	2.75E-06	8.59E-04	0.001332	4.80E-04	2.71E-06	9.56E-04	1.44E-03	4.56E-04	3.43E-06	1.83E-03	2.29E-03
3880	496363.09, 3852877.25	0.03	0.03663	0.03141	4.60E-04	2.67E-06	8.42E-04	0.001305	4.70E-04	2.62E-06	9.37E-04	1.41E-03	4.47E-04	3.33E-06	1.80E-03	2.25E-03
3881	496863.09, 3852877.25	0.02865	0.03465	0.03002	4.40E-04	2.52E-06	8.05E-04	0.001247	4.49E-04	2.48E-06	8.96E-04	1.35E-03	4.27E-04	3.15E-06	1.72E-03	2.15E-03
3882	497363.09, 3852877.25	0.02488	0.02971	0.02605	3.82E-04	2.16E-06	6.99E-04	0.001083	3.90E-04	2.13E-06	7.77E-04	1.17E-03	3.71E-04	2.70E-06	1.49E-03	1.87E-03
3883	497863.09, 3852877.25	0.01951	0.02295	0.02047	2.99E-04	1.67E-06	5.49E-04	0.00085	3.06E-04	1.64E-06	6.11E-04	9.18E-04	2.91E-04	2.09E-06	1.17E-03	1.47E-03
3884	498363.09, 3852877.25	0.01842	0.02134	0.01934	2.83E-04	1.55E-06	5.19E-04	0.000803	2.89E-04	1.53E-06	5.77E-04	8.67E-04	2.74E-04	1.94E-06	1.11E-03	1.38E-03
3885	471363.09, 3853377.25	0.00671	0.00683	0.00688	1.03E-04	4.97E-07	1.85E-04	0.000288	1.05E-04	4.89E-07	2.05E-04	3.11E-04	1.00E-04	6.21E-07	3.94E-04	4.95E-04
3886	471863.09, 3853377.25	0.00735	0.00748	0.00752	1.13E-04	5.44E-07	2.02E-04	0.000315	1.15E-04	5.36E-07	2.24E-04	3.40E-04	1.09E-04	6.80E-07	4.31E-04	5.41E-04
3887	472363.09, 3853377.25	0.00803	0.0082	0.00824	1.23E-04	5.97E-07	2.21E-04	0.000345	1.26E-04	5.88E-07	2.46E-04	3.72E-04	1.20E-04	7.46E-07	4.72E-04	5.92E-04
3888	472863.09, 3853377.25	0.00878	0.00905	0.00897	1.35E-04	6.59E-07	2.41E-04	0.000376	1.38E-04	6.48E-07	2.68E-04	4.06E-04	1.31E-04	8.23E-07	5.14E-04	6.45E-04
3889	473363.09, 3853377.25	0.0094	0.00985	0.00958	1.44E-04	7.17E-07	2.57E-04	0.000402	1.47E-04	7.06E-07	2.86E-04	4.34E-04	1.40E-04	8.96E-07	5.49E-04	6.90E-04
3890	473863.09, 3853377.25	0.01013	0.01083	0.01028	1.55E-04	7.88E-07	2.76E-04	0.000432	1.59E-04	7.76E-07	3.07E-04	4.66E-04	1.51E-04	9.85E-07	5.89E-04	7.41E-04
3891	474363.09, 3853377.25	0.01082	0.01181	0.01101	1.66E-04	8.60E-07	2.95E-04	0.000462	1.70E-04	8.46E-07	3.28E-04	4.99E-04	1.61E-04	1.07E-06	6.31E-04	7.93E-04
3892	474863.09, 3853377.25	0.01079	0.01198	0.0109	1.66E-04	8.72E-07	2.92E-04	0.000459	1.69E-04	8.58E-07	3.25E-04	4.95E-04	1.61E-04	1.09E-06	6.24E-04	7.86E-04
3893	475363.09, 3853377.25	0.01096	0.01238	0.01106	1.68E-04	9.01E-07	2.97E-04	0.000466	1.72E-04	8.87E-07	3.30E-04	5.03E-04	1.63E-04	1.13E-06	6.34E-04	7.98E-04
3894	475863.09, 3853377.25	0.01101	0.01256	0.0111	1.69E-04	9.14E-07	2.98E-04	0.000468	1.73E-04	9.00E-07	3.31E-04	5.05E-04	1.64E-04	1.14E-06	6.36E-04	8.01E-04
3895	476363.09, 3853377.25	0.01021	0.01153	0.0103	1.57E-04	8.39E-07	2.76E-04	0.000434	1.60E-04	8.26E-07	3.07E-04	4.68E-04	1.52E-04	1.05E-06	5.90E-04	7.43E-04
3896	476863.09, 3853377.25	0.00872	0.00976	0.0089	1.34E-04	7.10E-07	2.39E-04	0.000373	1.37E-04	6.99E-07	2.66E-04	4.03E-04	1.30E-04	8.88E-07	5.10E-04	6.41E-04
3897	477363.09, 3853377.25	0.00864	0.00974	0.00886	1.33E-04	7.09E-07	2.38E-04	0.000371	1.35E-04	6.98E-07	2.64E-04	4.00E-04	1.29E-04	8.86E-07	5.08E-04	6.37E-04
3898	477863.09, 3853377.25	0.00903	0.01045	0.00928	1.39E-04	7.61E-07	2.49E-04	0.000388	1.42E-04	7.49E-07	2.77E-04	4.19E-04	1.35E-04	9.51E-07	5.32E-04	6.67E-04
3899	478363.09, 3853377.25	0.00811	0.00994	0.00846	1.24E-04	7.24E-07	2.27E-04	0.000352	1.27E-04	7.12E-07	2.52E-04	3.80E-04	1.21E-04	9.04E-07	4.85E-04	6.06E-04
3900	478863.09, 3853377.25	0.0067	0.00873	0.00716	1.03E-04	6.35E-07	1.92E-04	0.000295	1.05E-04	6.26E-07	2.14E-04	3.19E-04	9.98E-05	7.94E-07	4.10E-04	5.11E-04
3901	479363.09, 3853377.25	0.01076	0.01384	0.01116	1.65E-04	1.01E-06	2.99E-04	0.000465	1.69E-04	9.92E-07	3.33E-04	5.03E-04	1.60E-04	1.26E-06	6.39E-04	8.01E-04
3902	479863.09, 3853377.25	0.01658	0.01924	0.01692	2.54E-04	1.40E-06	4.54E-04	0.00071	2.60E-04	1.38E-06	5.05E-04	7.66E-04	2.47E-04	1.75E-06	9.69E-04	1.22E-03
3903	480363.09, 3853377.25	0.03194	0.03625	0.0322	4.90E-04	2.64E-06	8.64E-04	0.001356	5.01E-04	2.60E-06	9.61E-04	1.46E-03	4.76E-04	3.30E-06	1.84E-03	2.32E-03
3904	480863.09, 3853377.25	0.03332	0.04014	0.0328	5.11E-04	2.92E-06	8.80E-04	0.001394	5.22E-04	2.88E-06	9.79E-04	1.50E-03	4.96E-04	3.65E-06	1.88E-03	2.38E-03
3905	481363.09, 3853377.25	0.04943	0.06394	0.04895	7.59E-04	4.65E-06	1.31E-03	0.002076	7.75E-04	4.58E-06	1.46E-03	2.24E-03	7.36E-04	5.82E-06	2.80E-03	3.55E-03
3906	481863.09, 3853377.25	0.07144	0.08328	0.06747	1.10E-03	6.06E-06	1.81E-03	0.002912	1.12E-03	5.97E-06	2.01E-03	3.14E-03	1.06E-03	7.58E-06	3.87E-03	4.94E-03
3907	482363.09, 3853377.25	0.09518	0.10693	0.08407	1.46E-03	7.78E-06	2.25E-03	0.003723	1.49E-03	7.66E-06	2.51E-03	4.01E-03	1.42E-03	9.73E-06	4.82E-03	6.24E-03
3908	482863.09, 3853377.25	0.11578	0.09505	0.07831	1.78E-03	6.92E-06	2.10E-03	0.003884	1.82E-03	6.81E-06	2.34E-03	4.16E-03	1.72E-03	8.65E-06	4.49E-03	6.22E-03
3909	483363.09, 3853377.25	0.10014	0.07706	0.06369	1.54E-03	5.61E-06	1.71E-03	0.00325	1.57E-03	5.52E-06	1.90E-03	3.48E-03	1.49E-03	7.01E-06	3.65E-03	5.15E-03
3910	483863.09, 3853377.25	0.07593	0.05476	0.05678	1.17E-03	3.99E-06	1.52E-03	0.002692	1.19E-03	3.92E-06	1.69E-03	2.89E-03	1.13E-03	4.98E-06	3.25E-03	4.39E-03
3911	484363.09, 3853377.25	0.06824	0.05074	0.05965	1.05E-03	3.69E-06	1.60E-03	0.002651	1.07E-03	3.64E-06	1.78E-03	2.85E-03	1.02E-03	4.62E-06	3.42E-03	4.44E-03
3912	484863.09, 3853377.25	0.0498	0.04143	0.04851	7.64E-04	3.02E-06	1.30E-03	0.002068	7.81E-04	2.97E-06	1.45E-03	2.23E-03	7.42E-04	3.77E-06	2.78E-03	3.52E-03
3913	485363.09, 3853377.25	0.03383	0.03528	0.03622	5.19E-04	2.57E-06	9.71E-04	0.001493	5.30E-04	2.53E-06	1.08E-03	1.61E-03	5.04E-04	3.21E-06	2.07E-03	2.58E-03
3914	485863.09, 3853377.25	0.02774	0.03704	0.03109	4.26E-04	2.70E-06	8.34E-04	0.001262	4.35E-04	2.65E-06	9.27E-04	1.37E-03	4.13E-04	3.37E-06	1.78E-03	2.20E-03
3915	486363.09, 3853377.25	0.03006	0.04794	0.03359	4.61E-04	3.49E-06	9.01E-04	0.001366	4.71E-04	3.44E-06	1.00E-03	1.48E-03	4.48E-04	4.36E-06	1.92E-03	2.38E-03
3916	486863.09, 3853377.25	0.03166	0.05656	0.03501	4.86E-04	4.12E-06	9.39E-04	0.001429	4.96E-04	4.05E-06	1.04E-03	1.54E-03	4.72E-04	5.14E-06	2.01E-03	2.48E-03
3917	487363.09, 3853377.25	0.03455	0.0638	0.03759	5.30E-04	4.64E-06	1.01E-03	0.001543	5.42E-04	4.57E-06	1.12E-03	1.67E-03	5.15E-04	5.80E-06	2.15E-03	2.67E-03
3918	487863.09, 3853377.25	0.03649	0.06807	0.03919	5.60E-04	4.95E-06	1.05E-03	0.001616	5.72E-04	4.88E-06	1.17E-03	1.75E-03	5.44E-04	6.19E-06	2.24E-03	2.79E-03
3919	488363.09, 3853377.25	0.03898	0.07132	0.04137	5.98E-04	5.19E-06	1.11E-03	0.001713	6.11E-04	5.11E-06	1.23E-03	1.85E-03	5.81E-04	6.49E-06	2.37E-03	2.96E-03
3920	488863.09, 3853377.25	0.03944	0.07002	0.04153	6.05E-04	5.10E-06	1.11E-03	0.001724	6.18E-04	5.02E-06	1.24E-03	1.86E-03	5.88E-04	6.37E-06	2.38E-03	2.97E-03
3921	489363.09, 3853377.25	0.03967	0.06813	0.04158	6.09E-04	4.96E-06	1.12E-03	0.001729	6.22E-04	4.88E-06	1.24E-03	1.87E-03	5.91E-04	6.20E-06	2.38E-03	2.98E-03
3922	489863.09, 3853377.25	0.03876	0.0645	0.04047	5.95E-04	4.70E-06	1.09E-03	0.001685	6.08E-04	4.62E-06	1.21E-03	1.82E-03	5.77E-04	5.87E-06	2.32E-03	2.90E-03
3923	490363.09, 3853377.25	0.04104	0.06553	0.04273	6.30E-04	4.77E-06	1.15E-03	0.001781	6.43E-04	4.70E-06	1.27E-03	1.92E-03	6.11E-04	5.96E-06	2.45E-03	3.07E-03
3924	490863.09, 3853377.25	0.04215	0.06444	0.0438	6.47E-04	4.69E-06	1.17E-03	0.001826	6.61E-04	4.62E-06	1.31E-03	1.97E-03	6.28E-04	5.86E-06	2.51E-03	3.14E-03
3925	491363.09, 3853377.25	0.0432	0.06329	0.04485	6.63E-04	4.61E-06	1.20E-03	0.00187	6.77E-04	4.53E-06	1.34E-03	2.02E-03	6.44E-04	5.76E-06	2.57E-03	3.22E-03
3926	491863.09, 3853377.25	0.04396	0.06178	0.04563	6.75E-04	4.50E-06	1.22E-03	0.001903	6.89E-04	4.43E-06	1.36E-03	2.05E-03	6.55E-04	5.62E-06	2.61E-03	3.27E-03
3927	492363.09, 3853377.25	0.04567	0.06207	0.04739	7.01E-04	4.52E-06	1.27E-03	0.001976	7.16E-04	4.45E-06	1.41E-03	2.13E-03	6.80E-04	5.65E-06	2.71E-03	3.40E-03
3928	492863.09, 3853377.25	0.04708	0.06253	0.04889	7.22E-04	4.55E-06	1.31E-03	0.002038	7.38E-04	4.48E-06	1.46E-03	2.20E-03	7.01E-04	5.69E-06	2.80E-03	3.51E-03
3929	493363.09, 3853377.25	0.04682	0.06111	0.0487	7.18E-04	4.45E-06	1.31E-03	0.002029	7.34E-04	4.38E-06	1.45E-03	2.19E-03	6.97E-04	5.56E-06	2.79E-03	3.49E-03

3930	493863.09, 3853377.25	0.04594	0.0586	0.04788	7.05E-04	4.27E-06	1.28E-03	0.001993	7.20E-04	4.20E-06	1.43E-03	2.15E-03	6.84E-04	5.33E-06	2.74E-03	3.43E-03
3931	494363.09, 3853377.25	0.04374	0.05442	0.04572	6.71E-04	3.96E-06	1.23E-03	0.001901	6.86E-04	3.90E-06	1.36E-03	2.05E-03	6.52E-04	4.95E-06	2.62E-03	3.28E-03
3932	494863.09, 3853377.25	0.04108	0.05018	0.04288	6.30E-04	3.65E-06	1.15E-03	0.001784	6.44E-04	3.60E-06	1.28E-03	1.93E-03	6.12E-04	4.56E-06	2.46E-03	3.07E-03
3933	495363.09, 3853377.25	0.03963	0.04775	0.04143	6.08E-04	3.48E-06	1.11E-03	0.001723	6.21E-04	3.42E-06	1.24E-03	1.86E-03	5.90E-04	4.34E-06	2.37E-03	2.97E-03
3934	495863.09, 3853377.25	0.03746	0.04451	0.03917	5.75E-04	3.24E-06	1.05E-03	0.001629	5.87E-04	3.19E-06	1.17E-03	1.76E-03	5.58E-04	4.05E-06	2.24E-03	2.81E-03
3935	496363.09, 3853377.25	0.03458	0.04049	0.03618	5.31E-04	2.95E-06	9.70E-04	0.001504	5.42E-04	2.90E-06	1.08E-03	1.62E-03	5.15E-04	3.68E-06	2.07E-03	2.59E-03
3936	496863.09, 3853377.25	0.03057	0.03531	0.03199	4.69E-04	2.57E-06	8.58E-04	0.00133	4.79E-04	2.53E-06	9.54E-04	1.44E-03	4.55E-04	3.21E-06	1.83E-03	2.29E-03
3937	497363.09, 3853377.25	0.02594	0.02952	0.02715	3.98E-04	2.15E-06	7.28E-04	0.001128	4.07E-04	2.12E-06	8.10E-04	1.22E-03	3.86E-04	2.69E-06	1.56E-03	1.94E-03
3938	497863.09, 3853377.25	0.01834	0.0205	0.01924	2.81E-04	1.49E-06	5.16E-04	0.000799	2.88E-04	1.47E-06	5.74E-04	8.63E-04	2.73E-04	1.86E-06	1.10E-03	1.38E-03
3939	498363.09, 3853377.25	0.01484	0.01637	0.01559	2.28E-04	1.19E-06	4.18E-04	0.000647	2.33E-04	1.17E-06	4.65E-04	6.99E-04	2.21E-04	1.49E-06	8.93E-04	1.12E-03
3940	471363.09, 3853877.25	0.00695	0.00708	0.00715	1.07E-04	5.15E-07	1.92E-04	0.000299	1.09E-04	5.07E-07	2.13E-04	3.23E-04	1.04E-04	6.44E-07	4.10E-04	5.14E-04
3941	471863.09, 3853877.25	0.00766	0.00778	0.00785	1.18E-04	5.66E-07	2.11E-04	0.000329	1.20E-04	5.57E-07	2.34E-04	3.55E-04	1.14E-04	7.08E-07	4.50E-04	5.65E-04
3942	472363.09, 3853877.25	0.0081	0.00818	0.00833	1.24E-04	5.95E-07	2.23E-04	0.000348	1.27E-04	5.86E-07	2.49E-04	3.76E-04	1.21E-04	7.44E-07	4.77E-04	5.99E-04
3943	472863.09, 3853877.25	0.00872	0.00879	0.00896	1.34E-04	6.40E-07	2.40E-04	0.000375	1.37E-04	6.30E-07	2.67E-04	4.05E-04	1.30E-04	8.00E-07	5.13E-04	6.44E-04
3944	473363.09, 3853877.25	0.00916	0.0092	0.0094	1.41E-04	6.70E-07	2.52E-04	0.000393	1.44E-04	6.59E-07	2.80E-04	4.25E-04	1.36E-04	8.37E-07	5.38E-04	6.76E-04
3945	473863.09, 3853877.25	0.00967	0.00972	0.00992	1.48E-04	7.08E-07	2.66E-04	0.000415	1.52E-04	6.96E-07	2.96E-04	4.48E-04	1.44E-04	8.84E-07	5.68E-04	7.13E-04
3946	474363.09, 3853877.25	0.01042	0.01056	0.01066	1.60E-04	7.69E-07	2.86E-04	0.000447	1.63E-04	7.57E-07	3.18E-04	4.82E-04	1.55E-04	9.61E-07	6.11E-04	7.67E-04
3947	474863.09, 3853877.25	0.01106	0.0114	0.01128	1.70E-04	8.30E-07	3.03E-04	0.000473	1.73E-04	8.17E-07	3.37E-04	5.11E-04	1.65E-04	1.04E-06	6.46E-04	8.12E-04
3948	475363.09, 3853877.25	0.01082	0.01136	0.01103	1.66E-04	8.27E-07	2.96E-04	0.000463	1.70E-04	8.14E-07	3.29E-04	5.00E-04	1.61E-04	1.03E-06	6.32E-04	7.94E-04
3949	475863.09, 3853877.25	0.00943	0.01011	0.00963	1.45E-04	7.36E-07	2.58E-04	0.000404	1.48E-04	7.24E-07	2.87E-04	4.36E-04	1.40E-04	9.20E-07	5.52E-04	6.93E-04
3950	476363.09, 3853877.25	0.00817	0.00902	0.0084	1.25E-04	6.57E-07	2.25E-04	0.000351	1.28E-04	6.46E-07	2.51E-04	3.79E-04	1.22E-04	8.20E-07	4.81E-04	6.04E-04
3951	476863.09, 3853877.25	0.00673	0.00774	0.00702	1.03E-04	5.63E-07	1.88E-04	0.000292	1.06E-04	5.55E-07	2.09E-04	3.15E-04	1.00E-04	7.04E-07	4.02E-04	5.03E-04
3952	477363.09, 3853877.25	0.00734	0.0086	0.00766	1.13E-04	6.26E-07	2.05E-04	0.000319	1.15E-04	6.16E-07	2.29E-04	3.44E-04	1.09E-04	7.82E-07	4.39E-04	5.49E-04
3953	477863.09, 3853877.25	0.00844	0.00993	0.00876	1.30E-04	7.23E-07	2.35E-04	0.000365	1.32E-04	7.12E-07	2.61E-04	3.94E-04	1.26E-04	9.03E-07	5.02E-04	6.28E-04
3954	478363.09, 3853877.25	0.00902	0.01071	0.00937	1.38E-04	7.80E-07	2.51E-04	0.000391	1.41E-04	7.67E-07	2.80E-04	4.22E-04	1.34E-04	9.74E-07	5.37E-04	6.72E-04
3955	478863.09, 3853877.25	0.00693	0.0086	0.00742	1.06E-04	6.26E-07	1.99E-04	0.000306	1.09E-04	6.16E-07	2.21E-04	3.31E-04	1.03E-04	7.82E-07	4.25E-04	5.29E-04
3956	479363.09, 3853877.25	0.00936	0.01162	0.00985	1.44E-04	8.46E-07	2.64E-04	0.000409	1.47E-04	8.33E-07	2.94E-04	4.41E-04	1.39E-04	1.06E-06	5.64E-04	7.05E-04
3957	479863.09, 3853877.25	0.017	0.02117	0.01729	2.61E-04	1.54E-06	4.64E-04	0.000726	2.67E-04	1.52E-06	5.16E-04	7.84E-04	2.53E-04	1.93E-06	9.90E-04	1.25E-03
3958	480363.09, 3853877.25	0.02587	0.0332	0.02606	3.97E-04	2.42E-06	6.99E-04	0.001098	4.06E-04	2.38E-06	7.77E-04	1.19E-03	3.85E-04	3.02E-06	1.49E-03	1.88E-03
3959	480863.09, 3853877.25	0.04653	0.05905	0.04739	7.14E-04	4.30E-06	1.27E-03	0.001989	7.30E-04	4.23E-06	1.41E-03	2.15E-03	6.93E-04	5.37E-06	2.71E-03	3.41E-03
3960	481363.09, 3853877.25	0.06593	0.08154	0.06834	1.01E-03	5.94E-06	1.83E-03	0.002851	1.03E-03	5.84E-06	2.04E-03	3.08E-03	9.82E-04	7.42E-06	3.91E-03	4.90E-03
3961	481863.09, 3853877.25	0.09468	0.123	0.09831	1.45E-03	8.95E-06	2.64E-03	0.004099	1.48E-03	8.81E-06	2.93E-03	4.43E-03	1.41E-03	1.12E-05	5.63E-03	7.05E-03
3962	482363.09, 3853877.25	0.14081	0.15111	0.1466	2.16E-03	1.10E-05	3.93E-03	0.006104	2.21E-03	1.08E-05	4.37E-03	6.59E-03	2.10E-03	1.37E-05	8.40E-03	1.05E-02
3963	482863.09, 3853877.25	0.39051	0.19503	0.85052	5.99E-03	1.42E-05	2.28E-02	0.028818	6.12E-03	1.40E-05	2.54E-02	3.15E-02	5.82E-03	1.77E-05	4.87E-02	5.46E-02
3964	483363.09, 3853877.25	0.24725	0.14755	0.27173	3.79E-03	1.07E-05	7.29E-03	0.011093	3.88E-03	1.06E-05	8.11E-03	1.20E-02	3.68E-03	1.34E-05	1.56E-02	1.93E-02
3965	483863.09, 3853877.25	0.16752	0.11722	0.19546	2.57E-03	8.53E-06	5.24E-03	0.007821	2.63E-03	8.40E-06	5.83E-03	8.47E-03	2.50E-03	1.07E-05	1.12E-02	1.37E-02
3966	484363.09, 3853877.25	0.11109	0.08609	0.1318	1.70E-03	6.27E-06	3.53E-03	0.005246	1.74E-03	6.17E-06	3.93E-03	5.68E-03	1.65E-03	7.83E-06	7.55E-03	9.21E-03
3967	484863.09, 3853877.25	0.07568	0.08475	0.09156	1.16E-03	6.17E-06	2.46E-03	0.003623	1.19E-03	6.07E-06	2.73E-03	3.92E-03	1.13E-03	7.71E-06	5.24E-03	6.38E-03
3968	485363.09, 3853877.25	0.05305	0.08344	0.06421	8.14E-04	6.07E-06	1.72E-03	0.002542	8.32E-04	5.98E-06	1.92E-03	2.75E-03	7.90E-04	7.59E-06	3.68E-03	4.48E-03
3969	485863.09, 3853877.25	0.05911	0.11076	0.06785	9.07E-04	8.06E-06	1.82E-03	0.002735	9.27E-04	7.94E-06	2.02E-03	2.96E-03	8.81E-04	1.01E-05	3.89E-03	4.78E-03
3970	486363.09, 3853877.25	0.05883	0.12077	0.06556	9.03E-04	8.79E-06	1.76E-03	0.00267	9.22E-04	8.65E-06	1.96E-03	2.89E-03	8.76E-04	1.10E-05	3.76E-03	4.64E-03
3971	486863.09, 3853877.25	0.05678	0.11888	0.0619	8.71E-04	8.65E-06	1.66E-03	0.00254	8.90E-04	8.52E-06	1.85E-03	2.75E-03	8.46E-04	1.08E-05	3.55E-03	4.40E-03
3972	487363.09, 3853877.25	0.05925	0.1202	0.0632	9.09E-04	8.75E-06	1.70E-03	0.002613	9.29E-04	8.61E-06	1.89E-03	2.82E-03	8.83E-04	1.09E-05	3.62E-03	4.51E-03
3973	487863.09, 3853877.25	0.06543	0.12647	0.06846	1.00E-03	9.21E-06	1.84E-03	0.002849	1.03E-03	9.06E-06	2.04E-03	3.08E-03	9.75E-04	1.15E-05	3.92E-03	4.91E-03
3974	488363.09, 3853877.25	0.06703	0.12288	0.06953	1.03E-03	8.94E-06	1.86E-03	0.002902	1.05E-03	8.80E-06	2.07E-03	3.13E-03	9.99E-04	1.12E-05	3.98E-03	4.99E-03
3975	488863.09, 3853877.25	0.07031	0.12166	0.07253	1.08E-03	8.86E-06	1.95E-03	0.003033	1.10E-03	8.72E-06	2.16E-03	3.27E-03	1.05E-03	1.11E-05	4.15E-03	5.21E-03
3976	489363.09, 3853877.25	0.06593	0.10879	0.06793	1.01E-03	7.92E-06	1.82E-03	0.002842	1.03E-03	7.80E-06	2.03E-03	3.07E-03	9.82E-04	9.90E-06	3.89E-03	4.88E-03
3977	489863.09, 3853877.25	0.06614	0.10387	0.06809	1.01E-03	7.56E-06	1.83E-03	0.002849	1.04E-03	7.44E-06	2.03E-03	3.08E-03	9.85E-04	9.45E-06	3.90E-03	4.90E-03
3978	490363.09, 3853877.25	0.0641	0.09561	0.06605	9.84E-04	6.96E-06	1.77E-03	0.002762	1.01E-03	6.85E-06	1.97E-03	2.98E-03	9.55E-04	8.70E-06	3.78E-03	4.75E-03
3979	490863.09, 3853877.25	0.06347	0.09023	0.06546	9.74E-04	6.57E-06	1.76E-03	0.002736	9.95E-04	6.47E-06	1.95E-03	2.95E-03	9.46E-04	8.21E-06	3.75E-03	4.70E-03
3980	491363.09, 3853877.25	0.06313	0.0859	0.0652	9.69E-04	6.25E-06	1.75E-03	0.002724	9.90E-04	6.15E-06	1.95E-03	2.94E-03	9.40E-04	7.81E-06	3.73E-03	4.68E-03
3981	491863.09, 3853877.25	0.06256	0.08239	0.06468	9.60E-04	6.00E-06	1.73E-03	0.002701	9.81E-04	5.90E-06	1.93E-03	2.92E-03	9.32E-04	7.49E-06	3.71E-03	4.64E-03
3982	492363.09, 3853877.25	0.06396	0.08236	0.06631	9.81E-04	6.00E-06	1.78E-03	0.002766	1.00E-03	5.90E-06	1.98E-03	2.99E-03	9.53E-04	7.49E-06	3.80E-03	4.76E-03
3983	492863.09, 3853877.25	0.06373	0.0801	0.06628	9.78E-04	5.83E-06	1.78E-03	0.002761	9.99E-04	5.74E-06	1.98E-03	2.98E-03	9.49E-04	7.29E-06	3.80E-03	4.75E-03
3984	493363.09, 3853877.25	0.06135	0.07496	0.06395	9.41E-04	5.46E-06	1.72E-03	0.002662	9.62E-04	5.37E-06	1.91E-03	2.88E-03	9.14E-04	6.82E-06	3.66E-03	4.58E-03
3985	493863.09, 3853877.25	0.05825	0.06977	0.0608	8.94E-04	5.08E-06	1.63E-03	0.00253	9.13E-04	5.00E-06	1.81E-03	2.73E-03	8.68E-04	6.35E-06	3.48E-03	4.36E-03
3986	494363.09, 3853877.25	0.05578	0.06593	0.05832	8.56E-04	4.80E-06	1.56E-03	0.002425	8.75E-04	4.72E-06	1.74E-03	2.62E-03	8.31E-04	6.00E-06	3.34E-03	4.18E-03

3987	494863.09, 3853877.25	0.05214	0.06088	0.05453	8.00E-04	4.43E-06	1.46E-03	0.002267	8.18E-04	4.36E-06	1.63E-03	2.45E-03	7.77E-04	5.54E-06	3.12E-03	3.91E-03
3988	495363.09, 3853877.25	0.04529	0.05226	0.04729	6.95E-04	3.80E-06	1.27E-03	0.001967	7.10E-04	3.74E-06	1.41E-03	2.12E-03	6.75E-04	4.75E-06	2.71E-03	3.39E-03
3989	495863.09, 3853877.25	0.04012	0.04568	0.04188	6.16E-04	3.33E-06	1.12E-03	0.001742	6.29E-04	3.27E-06	1.25E-03	1.88E-03	5.98E-04	4.16E-06	2.40E-03	3.00E-03
3990	496363.09, 3853877.25	0.03678	0.04141	0.03841	5.64E-04	3.01E-06	1.03E-03	0.001598	5.77E-04	2.97E-06	1.15E-03	1.73E-03	5.48E-04	3.77E-06	2.20E-03	2.75E-03
3991	496863.09, 3853877.25	0.03143	0.03502	0.03284	4.82E-04	2.55E-06	8.81E-04	0.001366	4.93E-04	2.51E-06	9.80E-04	1.47E-03	4.68E-04	3.19E-06	1.88E-03	2.35E-03
3992	497363.09, 3853877.25	0.02726	0.03015	0.0285	4.18E-04	2.19E-06	7.64E-04	0.001185	4.27E-04	2.16E-06	8.50E-04	1.28E-03	4.06E-04	2.74E-06	1.63E-03	2.04E-03
3993	497863.09, 3853877.25	0.02203	0.02415	0.02305	3.38E-04	1.76E-06	6.18E-04	0.000958	3.45E-04	1.73E-06	6.88E-04	1.03E-03	3.28E-04	2.20E-06	1.32E-03	1.65E-03
3994	498363.09, 3853877.25	0.01901	0.02069	0.0199	2.92E-04	1.51E-06	5.34E-04	0.000827	2.98E-04	1.48E-06	5.94E-04	8.93E-04	2.83E-04	1.88E-06	1.14E-03	1.43E-03
3995	471363.09, 3854377.25	0.00723	0.00784	0.00741	1.11E-04	5.71E-07	1.99E-04	0.00031	1.13E-04	5.62E-07	2.21E-04	3.35E-04	1.08E-04	7.13E-07	4.24E-04	5.33E-04
3996	471863.09, 3854377.25	0.00797	0.00868	0.00816	1.22E-04	6.32E-07	2.19E-04	0.000342	1.25E-04	6.22E-07	2.43E-04	3.69E-04	1.19E-04	7.90E-07	4.67E-04	5.87E-04
3997	472363.09, 3854377.25	0.00851	0.00925	0.0087	1.31E-04	6.73E-07	2.33E-04	0.000365	1.33E-04	6.63E-07	2.60E-04	3.94E-04	1.27E-04	8.41E-07	4.98E-04	6.26E-04
3998	472863.09, 3854377.25	0.00892	0.00962	0.0091	1.37E-04	7.00E-07	2.44E-04	0.000382	1.40E-04	6.89E-07	2.71E-04	4.12E-04	1.33E-04	8.75E-07	5.21E-04	6.55E-04
3999	473363.09, 3854377.25	0.00952	0.01017	0.00969	1.46E-04	7.40E-07	2.60E-04	0.000407	1.49E-04	7.29E-07	2.89E-04	4.39E-04	1.42E-04	9.25E-07	5.55E-04	6.98E-04
4000	473863.09, 3854377.25	0.01029	0.01091	0.01044	1.58E-04	7.94E-07	2.80E-04	0.000439	1.61E-04	7.82E-07	3.11E-04	4.74E-04	1.53E-04	9.92E-07	5.98E-04	7.52E-04
4001	474363.09, 3854377.25	0.01107	0.01159	0.01128	1.70E-04	8.44E-07	3.03E-04	0.000473	1.74E-04	8.30E-07	3.37E-04	5.11E-04	1.65E-04	1.05E-06	6.46E-04	8.12E-04
4002	474863.09, 3854377.25	0.01069	0.01102	0.01085	1.64E-04	8.02E-07	2.91E-04	0.000456	1.68E-04	7.90E-07	3.24E-04	4.92E-04	1.59E-04	1.00E-06	6.22E-04	7.82E-04
4003	475363.09, 3854377.25	0.00932	0.00952	0.00949	1.43E-04	6.93E-07	2.55E-04	0.000398	1.46E-04	6.82E-07	2.83E-04	4.30E-04	1.39E-04	8.66E-07	5.44E-04	6.83E-04
4004	475863.09, 3854377.25	0.00684	0.00719	0.00708	1.05E-04	5.23E-07	1.90E-04	0.000295	1.07E-04	5.15E-07	2.11E-04	3.19E-04	1.02E-04	6.54E-07	4.06E-04	5.08E-04
4005	476363.09, 3854377.25	0.00641	0.00687	0.00667	9.84E-05	5.00E-07	1.79E-04	0.000278	1.01E-04	4.92E-07	1.99E-04	3.00E-04	9.55E-05	6.25E-07	3.82E-04	4.78E-04
4006	476863.09, 3854377.25	0.00638	0.00699	0.00667	9.79E-05	5.09E-07	1.79E-04	0.000277	1.00E-04	5.01E-07	1.99E-04	3.00E-04	9.50E-05	6.36E-07	3.82E-04	4.78E-04
4007	477363.09, 3854377.25	0.00651	0.00728	0.00683	9.99E-05	5.30E-07	1.83E-04	0.000284	1.02E-04	5.22E-07	2.04E-04	3.06E-04	9.70E-05	6.62E-07	3.91E-04	4.89E-04
4008	477863.09, 3854377.25	0.00678	0.00776	0.00713	1.04E-04	5.65E-07	1.91E-04	0.000296	1.06E-04	5.56E-07	2.13E-04	3.20E-04	1.01E-04	7.06E-07	4.08E-04	5.10E-04
4009	478363.09, 3854377.25	0.00795	0.00921	0.00828	1.22E-04	6.70E-07	2.22E-04	0.000345	1.25E-04	6.60E-07	2.47E-04	3.72E-04	1.18E-04	8.38E-07	4.74E-04	5.94E-04
4010	478863.09, 3854377.25	0.00876	0.01038	0.00913	1.34E-04	7.56E-07	2.45E-04	0.00038	1.37E-04	7.44E-07	2.72E-04	4.10E-04	1.30E-04	9.44E-07	5.23E-04	6.54E-04
4011	479363.09, 3854377.25	0.01314	0.01537	0.01345	2.02E-04	1.12E-06	3.61E-04	0.000563	2.06E-04	1.10E-06	4.01E-04	6.08E-04	1.96E-04	1.40E-06	7.70E-04	9.68E-04
4012	479863.09, 3854377.25	0.01731	0.02063	0.0175	2.66E-04	1.50E-06	4.69E-04	0.000736	2.71E-04	1.48E-06	5.22E-04	7.95E-04	2.58E-04	1.88E-06	1.00E-03	1.26E-03
4013	480363.09, 3854377.25	0.02524	0.03113	0.02515	3.87E-04	2.27E-06	6.75E-04	0.001064	3.96E-04	2.23E-06	7.50E-04	1.15E-03	3.76E-04	2.83E-06	1.44E-03	1.82E-03
4014	480863.09, 3854377.25	0.04338	0.0559	0.04265	6.66E-04	4.07E-06	1.14E-03	0.001814	6.80E-04	4.01E-06	1.27E-03	1.96E-03	6.46E-04	5.08E-06	2.44E-03	3.09E-03
4015	481363.09, 3854377.25	0.0721	0.10188	0.07263	1.11E-03	7.42E-06	1.95E-03	0.003062	1.13E-03	7.30E-06	2.17E-03	3.30E-03	1.07E-03	9.27E-06	4.16E-03	5.24E-03
4016	481863.09, 3854377.25	0.12265	0.18703	0.1339	1.88E-03	1.36E-05	3.59E-03	0.005487	1.92E-03	1.34E-05	3.99E-03	5.93E-03	1.83E-03	1.70E-05	7.67E-03	9.51E-03
4017	482363.09, 3854377.25	0.18655	0.2597	0.21911	2.86E-03	1.89E-05	5.88E-03	0.008758	2.92E-03	1.86E-05	6.54E-03	9.48E-03	2.78E-03	2.36E-05	1.26E-02	1.54E-02
4018	482863.09, 3854377.25	0.64046	0.42579	0.93094	9.83E-03	3.10E-05	2.50E-02	0.034827	1.00E-02	3.05E-05	2.78E-02	3.78E-02	9.54E-03	3.87E-05	5.33E-02	6.29E-02
4019	483363.09, 3854377.25	0.57137	0.46155	1.07611	8.77E-03	3.36E-05	2.89E-02	0.037663	8.96E-03	3.31E-05	3.21E-02	4.11E-02	8.51E-03	4.20E-05	6.16E-02	7.02E-02
4020	483863.09, 3854377.25	0.29727	0.28516	0.41036	4.56E-03	2.08E-05	1.10E-02	0.015588	4.66E-03	2.04E-05	1.22E-02	1.69E-02	4.43E-03	2.59E-05	2.35E-02	2.80E-02
4021	484363.09, 3854377.25	0.18266	0.30958	0.23042	2.80E-03	2.25E-05	6.18E-03	0.009005	2.86E-03	2.22E-05	6.87E-03	9.76E-03	2.72E-03	2.82E-05	1.32E-02	1.59E-02
4022	484863.09, 3854377.25	0.12988	0.30319	0.15353	1.99E-03	2.21E-05	4.12E-03	0.006133	2.04E-03	2.17E-05	4.58E-03	6.64E-03	1.93E-03	2.76E-05	8.79E-03	1.08E-02
4023	485363.09, 3854377.25	0.14635	0.36051	0.1594	2.25E-03	2.62E-05	4.28E-03	0.006547	2.29E-03	2.58E-05	4.76E-03	7.08E-03	2.18E-03	3.28E-05	9.13E-03	1.13E-02
4024	485863.09, 3854377.25	0.11585	0.29051	0.12351	1.78E-03	2.11E-05	3.31E-03	0.005111	1.82E-03	2.08E-05	3.68E-03	5.52E-03	1.73E-03	2.64E-05	7.08E-03	8.83E-03
4025	486363.09, 3854377.25	0.11728	0.27532	0.12172	1.80E-03	2.00E-05	3.26E-03	0.005084	1.84E-03	1.97E-05	3.63E-03	5.49E-03	1.75E-03	2.50E-05	6.97E-03	8.74E-03
4026	486863.09, 3854377.25	0.1069	0.23383	0.10977	1.64E-03	1.70E-05	2.94E-03	0.004602	1.68E-03	1.68E-05	3.27E-03	4.97E-03	1.59E-03	2.13E-05	6.29E-03	7.90E-03
4027	487363.09, 3854377.25	0.10706	0.21406	0.10876	1.64E-03	1.56E-05	2.92E-03	0.004575	1.68E-03	1.53E-05	3.24E-03	4.94E-03	1.59E-03	1.95E-05	6.23E-03	7.84E-03
4028	487863.09, 3854377.25	0.1109	0.20371	0.11207	1.70E-03	1.48E-05	3.01E-03	0.004722	1.74E-03	1.46E-05	3.34E-03	5.10E-03	1.65E-03	1.85E-05	6.42E-03	8.09E-03
4029	488363.09, 3854377.25	0.11054	0.18784	0.11177	1.70E-03	1.37E-05	3.00E-03	0.004708	1.73E-03	1.35E-05	3.33E-03	5.08E-03	1.65E-03	1.71E-05	6.40E-03	8.07E-03
4030	488863.09, 3854377.25	0.10901	0.17306	0.11066	1.67E-03	1.26E-05	2.97E-03	0.004653	1.71E-03	1.24E-05	3.30E-03	5.02E-03	1.62E-03	1.57E-05	6.34E-03	7.98E-03
4031	489363.09, 3854377.25	0.10578	0.15876	0.10785	1.62E-03	1.16E-05	2.89E-03	0.004527	1.66E-03	1.14E-05	3.22E-03	4.89E-03	1.58E-03	1.44E-05	6.18E-03	7.77E-03
4032	489863.09, 3854377.25	0.10118	0.14316	0.10368	1.55E-03	1.04E-05	2.78E-03	0.004344	1.59E-03	1.03E-05	3.09E-03	4.69E-03	1.51E-03	1.30E-05	5.94E-03	7.46E-03
4033	490363.09, 3854377.25	0.09568	0.12815	0.09815	1.47E-03	9.33E-06	2.63E-03	0.00411	1.50E-03	9.18E-06	2.93E-03	4.44E-03	1.43E-03	1.17E-05	5.62E-03	7.06E-03
4034	490863.09, 3854377.25	0.07875	0.10132	0.08052	1.21E-03	7.38E-06	2.16E-03	0.003375	1.23E-03	7.26E-06	2.40E-03	3.64E-03	1.17E-03	9.22E-06	4.61E-03	5.79E-03
4035	491363.09, 3854377.25	0.08389	0.10472	0.08621	1.29E-03	7.62E-06	2.31E-03	0.003607	1.32E-03	7.50E-06	2.57E-03	3.89E-03	1.25E-03	9.53E-06	4.94E-03	6.20E-03
4036	491863.09, 3854377.25	0.08665	0.10597	0.08963	1.33E-03	7.71E-06	2.40E-03	0.003741	1.36E-03	7.59E-06	2.67E-03	4.04E-03	1.29E-03	9.64E-06	5.13E-03	6.43E-03
4037	492363.09, 3854377.25	0.08573	0.10229	0.08911	1.32E-03	7.45E-06	2.39E-03	0.003713	1.34E-03	7.33E-06	2.66E-03	4.01E-03	1.28E-03	9.30E-06	5.10E-03	6.39E-03
4038	492863.09, 3854377.25	0.08203	0.0958	0.08548	1.26E-03	6.97E-06	2.29E-03	0.003558	1.29E-03	6.86E-06	2.55E-03	3.84E-03	1.22E-03	8.71E-06	4.90E-03	6.13E-03
4039	493363.09, 3854377.25	0.07694	0.08881	0.08025	1.18E-03	6.46E-06	2.15E-03	0.003339	1.21E-03	6.36E-06	2.39E-03	3.61E-03	1.15E-03	8.08E-06	4.60E-03	5.75E-03
4040	493863.09, 3854377.25	0.07178	0.08197	0.07496	1.10E-03	5.97E-06	2.01E-03	0.003118	1.13E-03	5.87E-06	2.24E-03	3.37E-03	1.07E-03	7.46E-06	4.29E-03	5.37E-03
4041	494363.09, 3854377.25	0.06702	0.07569	0.07004	1.03E-03	5.51E-06	1.88E-03	0.002912	1.05E-03	5.42E-06	2.09E-03	3.15E-03	9.98E-04	6.88E-06	4.01E-03	5.02E-03
4042	494863.09, 3854377.25	0.0551	0.06147	0.05735	8.46E-04	4.47E-06	1.54E-03	0.002388	8.64E-04	4.40E-06	1.71E-03	2.58E-03	8.21E-04	5.59E-06	3.29E-03	4.11E-03
4043	495363.09, 3854377.25	0.04429	0.04892	0.04605	6.80E-04	3.56E-06	1.24E-03	0.001918	6.94E-04	3.51E-06	1.37E-03	2.07E-03	6.60E-04	4.45E-06	2.64E-03	3.30E-03

4044	495863.09, 3854377.25	0.03753	0.04123	0.03904	5.76E-04	3.00E-06	1.05E-03	0.001626	5.88E-04	2.95E-06	1.16E-03	1.76E-03	5.59E-04	3.75E-06	2.24E-03	2.80E-03
4045	496363.09, 3854377.25	0.03424	0.03736	0.03564	5.25E-04	2.72E-06	9.56E-04	0.001484	5.37E-04	2.68E-06	1.06E-03	1.60E-03	5.10E-04	3.40E-06	2.04E-03	2.56E-03
4046	496863.09, 3854377.25	0.03018	0.03275	0.03145	4.63E-04	2.38E-06	8.44E-04	0.001309	4.73E-04	2.35E-06	9.38E-04	1.41E-03	4.50E-04	2.98E-06	1.80E-03	2.25E-03
4047	497363.09, 3854377.25	0.02439	0.02632	0.02542	3.74E-04	1.92E-06	6.82E-04	0.001058	3.82E-04	1.89E-06	7.58E-04	1.14E-03	3.63E-04	2.39E-06	1.46E-03	1.82E-03
4048	497863.09, 3854377.25	0.02472	0.02661	0.02577	3.79E-04	1.94E-06	6.91E-04	0.001072	3.88E-04	1.91E-06	7.69E-04	1.16E-03	3.68E-04	2.42E-06	1.48E-03	1.85E-03
4049	498363.09, 3854377.25	0.02155	0.02313	0.0225	3.31E-04	1.68E-06	6.03E-04	0.000936	3.38E-04	1.66E-06	6.71E-04	1.01E-03	3.21E-04	2.10E-06	1.29E-03	1.61E-03
4050	471363.09, 3854877.25	0.00741	0.00776	0.00752	1.14E-04	5.65E-07	2.02E-04	0.000316	1.16E-04	5.56E-07	2.24E-04	3.41E-04	1.10E-04	7.06E-07	4.31E-04	5.42E-04
4051	471863.09, 3854877.25	0.00801	0.00842	0.00814	1.23E-04	6.13E-07	2.18E-04	0.000342	1.26E-04	6.03E-07	2.43E-04	3.69E-04	1.19E-04	7.66E-07	4.66E-04	5.86E-04
4052	472363.09, 3854877.25	0.00855	0.00904	0.00869	1.31E-04	6.58E-07	2.33E-04	0.000365	1.34E-04	6.48E-07	2.59E-04	3.94E-04	1.27E-04	8.22E-07	4.98E-04	6.26E-04
4053	472863.09, 3854877.25	0.0088	0.00937	0.00896	1.35E-04	6.82E-07	2.40E-04	0.000376	1.38E-04	6.71E-07	2.67E-04	4.06E-04	1.31E-04	8.52E-07	5.13E-04	6.45E-04
4054	473363.09, 3854877.25	0.00967	0.0104	0.00983	1.48E-04	7.57E-07	2.64E-04	0.000413	1.52E-04	7.45E-07	2.93E-04	4.46E-04	1.44E-04	9.46E-07	5.63E-04	7.08E-04
4055	473863.09, 3854877.25	0.01051	0.01144	0.01073	1.61E-04	8.33E-07	2.88E-04	0.00045	1.65E-04	8.20E-07	3.20E-04	4.86E-04	1.57E-04	1.04E-06	6.15E-04	7.72E-04
4056	474363.09, 3854877.25	0.01166	0.01276	0.01187	1.79E-04	9.29E-07	3.18E-04	0.000498	1.83E-04	9.14E-07	3.54E-04	5.38E-04	1.74E-04	1.16E-06	6.80E-04	8.55E-04
4057	474863.09, 3854877.25	0.00982	0.01051	0.00993	1.51E-04	7.65E-07	2.66E-04	0.000418	1.54E-04	7.53E-07	2.96E-04	4.51E-04	1.46E-04	9.56E-07	5.69E-04	7.16E-04
4058	475363.09, 3854877.25	0.00786	0.00835	0.00798	1.21E-04	6.08E-07	2.14E-04	0.000335	1.23E-04	5.98E-07	2.38E-04	3.62E-04	1.17E-04	7.60E-07	4.57E-04	5.75E-04
4059	475863.09, 3854877.25	0.00625	0.0067	0.00642	9.59E-05	4.88E-07	1.72E-04	0.000269	9.80E-05	4.80E-07	1.92E-04	2.90E-04	9.31E-05	6.09E-07	3.68E-04	4.61E-04
4060	476363.09, 3854877.25	0.00444	0.00479	0.00467	6.81E-05	3.49E-07	1.25E-04	0.000194	6.96E-05	3.43E-07	1.39E-04	2.09E-04	6.61E-05	4.36E-07	2.68E-04	3.34E-04
4061	476863.09, 3854877.25	0.00449	0.00486	0.00474	6.89E-05	3.54E-07	1.27E-04	0.000196	7.04E-05	3.48E-07	1.41E-04	2.12E-04	6.69E-05	4.42E-07	2.72E-04	3.39E-04
4062	477363.09, 3854877.25	0.00544	0.00593	0.00569	8.35E-05	4.32E-07	1.53E-04	0.000237	8.53E-05	4.25E-07	1.70E-04	2.55E-04	8.10E-05	5.39E-07	3.26E-04	4.08E-04
4063	477863.09, 3854877.25	0.00639	0.00699	0.00665	9.81E-05	5.09E-07	1.78E-04	0.000277	1.00E-04	5.01E-07	1.98E-04	2.99E-04	9.52E-05	6.36E-07	3.81E-04	4.77E-04
4064	478363.09, 3854877.25	0.00851	0.00945	0.00877	1.31E-04	6.88E-07	2.35E-04	0.000366	1.33E-04	6.77E-07	2.62E-04	3.96E-04	1.27E-04	8.60E-07	5.02E-04	6.30E-04
4065	478863.09, 3854877.25	0.01203	0.0135	0.01223	1.85E-04	9.83E-07	3.28E-04	0.000514	1.89E-04	9.67E-07	3.65E-04	5.54E-04	1.79E-04	1.23E-06	7.01E-04	8.81E-04
4066	479363.09, 3854877.25	0.01715	0.01928	0.01718	2.63E-04	1.40E-06	4.61E-04	0.000725	2.69E-04	1.38E-06	5.13E-04	7.83E-04	2.55E-04	1.75E-06	9.84E-04	1.24E-03
4067	479863.09, 3854877.25	0.02436	0.02694	0.02401	3.74E-04	1.96E-06	6.44E-04	0.00102	3.82E-04	1.93E-06	7.16E-04	1.10E-03	3.63E-04	2.45E-06	1.38E-03	1.74E-03
4068	480363.09, 3854877.25	0.03325	0.03681	0.03238	5.10E-04	2.68E-06	8.68E-04	0.001381	5.21E-04	2.64E-06	9.66E-04	1.49E-03	4.95E-04	3.35E-06	1.85E-03	2.35E-03
4069	480863.09, 3854877.25	0.05375	0.06313	0.05264	8.25E-04	4.60E-06	1.41E-03	0.002241	8.43E-04	4.52E-06	1.57E-03	2.42E-03	8.01E-04	5.74E-06	3.02E-03	3.82E-03
4070	481363.09, 3854877.25	0.07572	0.09636	0.0752	1.16E-03	7.01E-06	2.02E-03	0.003186	1.19E-03	6.90E-06	2.24E-03	3.44E-03	1.13E-03	8.77E-06	4.31E-03	5.44E-03
4071	481863.09, 3854877.25	0.08568	0.11141	0.083	1.31E-03	8.11E-06	2.23E-03	0.003549	1.34E-03	7.98E-06	2.48E-03	3.83E-03	1.28E-03	1.01E-05	4.75E-03	6.04E-03
4072	482363.09, 3854877.25	0.20361	0.35452	0.22319	3.12E-03	2.58E-05	5.99E-03	0.009136	3.19E-03	2.54E-05	6.66E-03	9.88E-03	3.03E-03	3.22E-05	1.28E-02	1.59E-02
4073	482863.09, 3854877.25	0.41177	0.81598	0.46248	6.32E-03	5.94E-05	1.24E-02	0.018782	6.46E-03	5.85E-05	1.38E-02	2.03E-02	6.13E-03	7.42E-05	2.65E-02	3.27E-02
4074	483363.09, 3854877.25	2.08868	4.53884	2.76135	3.21E-02	3.30E-04	7.41E-02	0.106442	3.27E-02	3.25E-04	8.24E-02	1.15E-01	3.11E-02	4.13E-04	1.58E-01	1.90E-01
4075	483863.09, 3854877.25	2.59972	9.39017	2.00645	3.99E-02	6.84E-04	5.38E-02	0.094391	4.08E-02	6.73E-04	5.99E-02	1.01E-01	3.87E-02	8.54E-04	1.15E-01	1.55E-01
4076	484363.09, 3854877.25	0.80985	2.742	0.68154	1.24E-02	2.00E-04	1.83E-02	0.030906	1.27E-02	1.96E-04	2.03E-02	3.32E-02	1.21E-02	2.49E-04	3.90E-02	5.14E-02
4077	484863.09, 3854877.25	0.48876	1.51595	0.44395	7.50E-03	1.10E-04	1.19E-02	0.019517	7.66E-03	1.09E-04	1.32E-02	2.10E-02	7.28E-03	1.38E-04	2.54E-02	3.29E-02
4078	485363.09, 3854877.25	0.35793	0.95271	0.33469	5.49E-03	6.93E-05	8.98E-03	0.014538	5.61E-03	6.83E-05	9.98E-03	1.57E-02	5.33E-03	8.67E-05	1.92E-02	2.46E-02
4079	485863.09, 3854877.25	0.27487	0.63345	0.26176	4.22E-03	4.61E-05	7.02E-03	0.011285	4.31E-03	4.54E-05	7.81E-03	1.22E-02	4.09E-03	5.76E-05	1.50E-02	1.91E-02
4080	486363.09, 3854877.25	0.22236	0.45409	0.21468	3.41E-03	3.31E-05	5.76E-03	0.009203	3.49E-03	3.25E-05	6.40E-03	9.92E-03	3.31E-03	4.13E-05	1.23E-02	1.57E-02
4081	486863.09, 3854877.25	0.191	0.34885	0.18627	2.93E-03	2.54E-05	5.00E-03	0.007952	2.99E-03	2.50E-05	5.56E-03	8.58E-03	2.85E-03	3.17E-05	1.07E-02	1.35E-02
4082	487363.09, 3854877.25	0.18254	0.30025	0.17941	2.80E-03	2.19E-05	4.81E-03	0.007635	2.86E-03	2.15E-05	5.35E-03	8.24E-03	2.72E-03	2.73E-05	1.03E-02	1.30E-02
4083	487863.09, 3854877.25	0.1748	0.26336	0.17346	2.68E-03	1.92E-05	4.65E-03	0.007354	2.74E-03	1.89E-05	5.17E-03	7.93E-03	2.60E-03	2.40E-05	9.94E-03	1.26E-02
4084	488363.09, 3854877.25	0.16821	0.23477	0.16879	2.58E-03	1.71E-05	4.53E-03	0.007125	2.64E-03	1.68E-05	5.04E-03	7.69E-03	2.51E-03	2.14E-05	9.67E-03	1.22E-02
4085	488863.09, 3854877.25	0.16354	0.21521	0.16608	2.51E-03	1.57E-05	4.45E-03	0.00698	2.56E-03	1.54E-05	4.95E-03	7.53E-03	2.44E-03	1.96E-05	9.51E-03	1.20E-02
4086	489363.09, 3854877.25	0.15425	0.19173	0.1578	2.37E-03	1.40E-05	4.23E-03	0.006613	2.42E-03	1.37E-05	4.71E-03	7.14E-03	2.30E-03	1.74E-05	9.04E-03	1.14E-02
4087	489863.09, 3854877.25	0.13917	0.16439	0.14255	2.14E-03	1.20E-05	3.82E-03	0.005971	2.18E-03	1.18E-05	4.25E-03	6.45E-03	2.07E-03	1.50E-05	8.17E-03	1.03E-02
4088	490363.09, 3854877.25	0.10554	0.12144	0.10714	1.62E-03	8.84E-06	2.87E-03	0.004502	1.65E-03	8.70E-06	3.20E-03	4.86E-03	1.57E-03	1.10E-05	6.14E-03	7.72E-03
4089	490863.09, 3854877.25	0.07702	0.08777	0.07837	1.18E-03	6.39E-06	2.10E-03	0.00329	1.21E-03	6.29E-06	2.34E-03	3.55E-03	1.15E-03	7.98E-06	4.49E-03	5.64E-03
4090	491363.09, 3854877.25	0.08091	0.09015	0.08256	1.24E-03	6.56E-06	2.21E-03	0.003462	1.27E-03	6.46E-06	2.46E-03	3.74E-03	1.21E-03	8.20E-06	4.73E-03	5.94E-03
4091	491863.09, 3854877.25	0.11086	0.12049	0.11521	1.70E-03	8.77E-06	3.09E-03	0.0048	1.74E-03	8.63E-06	3.44E-03	5.18E-03	1.65E-03	1.10E-05	6.60E-03	8.26E-03
4092	492363.09, 3854877.25	0.1081	0.11668	0.11297	1.66E-03	8.49E-06	3.03E-03	0.004697	1.69E-03	8.36E-06	3.37E-03	5.07E-03	1.61E-03	1.06E-05	6.47E-03	8.09E-03
4093	492863.09, 3854877.25	0.10069	0.10797	0.10547	1.55E-03	7.86E-06	2.83E-03	0.004382	1.58E-03	7.74E-06	3.15E-03	4.73E-03	1.50E-03	9.82E-06	6.04E-03	7.55E-03
4094	493363.09, 3854877.25	0.09209	0.09789	0.09646	1.41E-03	7.13E-06	2.59E-03	0.004007	1.44E-03	7.01E-06	2.88E-03	4.33E-03	1.37E-03	8.90E-06	5.53E-03	6.91E-03
4095	493863.09, 3854877.25	0.08507	0.08958	0.08908	1.31E-03	6.52E-06	2.39E-03	0.003701	1.33E-03	6.42E-06	2.66E-03	4.00E-03	1.27E-03	8.15E-06	5.10E-03	6.38E-03
4096	494363.09, 3854877.25	0.06604	0.06941	0.06867	1.01E-03	5.05E-06	1.84E-03	0.00286	1.04E-03	4.97E-06	2.05E-03	3.09E-03	9.84E-04	6.31E-06	3.93E-03	4.92E-03
4097	494863.09, 3854877.25	0.04924	0.05185	0.05106	7.56E-04	3.77E-06	1.37E-03	0.002129	7.72E-04	3.72E-06	1.52E-03	2.30E-03	7.34E-04	4.72E-06	2.92E-03	3.66E-03
4098	495363.09, 3854877.25	0.03984	0.04183	0.0413	6.11E-04	3.04E-06	1.11E-03	0.001722	6.25E-04	3.00E-06	1.23E-03	1.86E-03	5.94E-04	3.80E-06	2.37E-03	2.96E-03
4099	495863.09, 3854877.25	0.03462	0.03629	0.03592	5.31E-04	2.64E-06	9.63E-04	0.001497	5.43E-04	2.60E-06	1.07E-03	1.62E-03	5.16E-04	3.30E-06	2.06E-03	2.58E-03
4100	496363.09, 3854877.25	0.02832	0.02961	0.02938	4.35E-04	2.16E-06	7.88E-04	0.001225	4.44E-04	2.12E-06	8.76E-04	1.32E-03	4.22E-04	2.69E-06	1.68E-03	2.11E-03

4101	496863.09, 3854877.25	0.0245	0.02554	0.02542	3.76E-04	1.86E-06	6.82E-04	0.00106	3.84E-04	1.83E-06	7.58E-04	1.14E-03	3.65E-04	2.32E-06	1.46E-03	1.82E-03
4102	497363.09, 3854877.25	0.02311	0.02404	0.02399	3.55E-04	1.75E-06	6.43E-04	0.001	3.62E-04	1.72E-06	7.16E-04	1.08E-03	3.44E-04	2.19E-06	1.37E-03	1.72E-03
4103	497863.09, 3854877.25	0.0247	0.02562	0.02567	3.79E-04	1.86E-06	6.88E-04	0.001069	3.87E-04	1.84E-06	7.66E-04	1.15E-03	3.68E-04	2.33E-06	1.47E-03	1.84E-03
4104	498363.09, 3854877.25	0.02371	0.02455	0.02465	3.64E-04	1.79E-06	6.61E-04	0.001027	3.72E-04	1.76E-06	7.35E-04	1.11E-03	3.53E-04	2.23E-06	1.41E-03	1.77E-03
4105	471363.09, 3855377.25	0.00754	0.00721	0.00763	1.16E-04	5.25E-07	2.05E-04	0.000321	1.18E-04	5.17E-07	2.28E-04	3.46E-04	1.12E-04	6.56E-07	4.37E-04	5.50E-04
4106	471863.09, 3855377.25	0.00792	0.00758	0.00801	1.22E-04	5.52E-07	2.15E-04	0.000337	1.24E-04	5.43E-07	2.39E-04	3.64E-04	1.18E-04	6.89E-07	4.59E-04	5.78E-04
4107	472363.09, 3855377.25	0.00861	0.00826	0.00872	1.32E-04	6.01E-07	2.34E-04	0.000367	1.35E-04	5.92E-07	2.60E-04	3.96E-04	1.28E-04	7.51E-07	5.00E-04	6.29E-04
4108	472863.09, 3855377.25	0.00902	0.00867	0.00915	1.38E-04	6.31E-07	2.45E-04	0.000384	1.41E-04	6.21E-07	2.73E-04	4.15E-04	1.34E-04	7.89E-07	5.24E-04	6.59E-04
4109	473363.09, 3855377.25	0.01002	0.00963	0.01021	1.54E-04	7.01E-07	2.74E-04	0.000428	1.57E-04	6.90E-07	3.05E-04	4.62E-04	1.49E-04	8.76E-07	5.85E-04	7.35E-04
4110	473863.09, 3855377.25	0.01092	0.01053	0.01115	1.68E-04	7.66E-07	2.99E-04	0.000467	1.71E-04	7.54E-07	3.33E-04	5.05E-04	1.63E-04	9.58E-07	6.39E-04	8.02E-04
4111	474363.09, 3855377.25	0.01176	0.01141	0.01201	1.80E-04	8.31E-07	3.22E-04	0.000503	1.84E-04	8.18E-07	3.58E-04	5.43E-04	1.75E-04	1.04E-06	6.88E-04	8.64E-04
4112	474863.09, 3855377.25	0.01015	0.00998	0.01031	1.56E-04	7.26E-07	2.77E-04	0.000433	1.59E-04	7.15E-07	3.08E-04	4.67E-04	1.51E-04	9.08E-07	5.91E-04	7.43E-04
4113	475363.09, 3855377.25	0.00541	0.0056	0.0055	8.30E-05	4.08E-07	1.48E-04	0.000231	8.48E-05	4.01E-07	1.64E-04	2.49E-04	8.06E-05	5.09E-07	3.15E-04	3.96E-04
4114	475863.09, 3855377.25	0.00434	0.00452	0.00448	6.66E-05	3.29E-07	1.20E-04	0.000187	6.80E-05	3.24E-07	1.34E-04	2.02E-04	6.47E-05	4.11E-07	2.57E-04	3.22E-04
4115	476363.09, 3855377.25	0.00509	0.00528	0.00523	7.81E-05	3.84E-07	1.40E-04	0.000219	7.98E-05	3.78E-07	1.56E-04	2.36E-04	7.58E-05	4.80E-07	3.00E-04	3.76E-04
4116	476863.09, 3855377.25	0.00509	0.00525	0.00524	7.81E-05	3.82E-07	1.41E-04	0.000219	7.98E-05	3.76E-07	1.56E-04	2.37E-04	7.58E-05	4.78E-07	3.00E-04	3.76E-04
4117	477363.09, 3855377.25	0.0057	0.00586	0.00586	8.75E-05	4.27E-07	1.57E-04	0.000245	8.94E-05	4.20E-07	1.75E-04	2.65E-04	8.49E-05	5.33E-07	3.36E-04	4.21E-04
4118	477863.09, 3855377.25	0.0074	0.00761	0.0075	1.14E-04	5.54E-07	2.01E-04	0.000315	1.16E-04	5.45E-07	2.24E-04	3.40E-04	1.10E-04	6.92E-07	4.30E-04	5.41E-04
4119	478363.09, 3855377.25	0.00956	0.00993	0.00965	1.47E-04	7.23E-07	2.59E-04	0.000406	1.50E-04	7.12E-07	2.88E-04	4.38E-04	1.42E-04	9.03E-07	5.53E-04	6.96E-04
4120	478863.09, 3855377.25	0.01215	0.01259	0.01221	1.86E-04	9.16E-07	3.27E-04	0.000515	1.91E-04	9.02E-07	3.64E-04	5.56E-04	1.81E-04	1.15E-06	6.99E-04	8.82E-04
4121	479363.09, 3855377.25	0.01656	0.01717	0.01652	2.54E-04	1.25E-06	4.43E-04	0.000698	2.60E-04	1.23E-06	4.93E-04	7.54E-04	2.47E-04	1.56E-06	9.46E-04	1.19E-03
4122	479863.09, 3855377.25	0.02209	0.02318	0.02187	3.39E-04	1.69E-06	5.87E-04	0.000927	3.46E-04	1.66E-06	6.52E-04	1.00E-03	3.29E-04	2.11E-06	1.25E-03	1.58E-03
4123	480363.09, 3855377.25	0.03449	0.03651	0.0336	5.29E-04	2.66E-06	9.01E-04	0.001433	5.41E-04	2.62E-06	1.00E-03	1.55E-03	5.14E-04	3.32E-06	1.92E-03	2.44E-03
4124	480863.09, 3855377.25	0.05894	0.06708	0.05823	9.04E-04	4.88E-06	1.56E-03	0.002471	9.24E-04	4.81E-06	1.74E-03	2.67E-03	8.78E-04	6.10E-06	3.34E-03	4.22E-03
4125	481363.09, 3855377.25	0.09509	0.12443	0.09641	1.46E-03	9.06E-06	2.59E-03	0.004054	1.49E-03	8.92E-06	2.88E-03	4.38E-03	1.42E-03	1.13E-05	5.52E-03	6.95E-03
4126	481863.09, 3855377.25	0.1362	0.20577	0.1404	2.09E-03	1.50E-05	3.77E-03	0.005871	2.14E-03	1.47E-05	4.19E-03	6.34E-03	2.03E-03	1.87E-05	8.04E-03	1.01E-02
4127	482363.09, 3855377.25	0.18578	0.31656	0.19084	2.85E-03	2.30E-05	5.12E-03	0.007992	2.91E-03	2.27E-05	5.69E-03	8.63E-03	2.77E-03	2.88E-05	1.09E-02	1.37E-02
4128	482863.09, 3855377.25	0.28402	0.53881	0.28571	4.36E-03	3.92E-05	7.66E-03	0.01206	4.45E-03	3.86E-05	8.52E-03	1.30E-02	4.23E-03	4.90E-05	1.64E-02	2.06E-02
4129	483363.09, 3855377.25	0.49685	0.99592	0.46698	7.62E-03	7.25E-05	1.25E-02	0.020221	7.79E-03	7.14E-05	1.39E-02	2.18E-02	7.40E-03	9.06E-05	2.68E-02	3.42E-02
4130	483863.09, 3855377.25	2.08025	2.19448	1.9561	3.19E-02	1.60E-04	5.25E-02	0.084545	3.26E-02	1.57E-04	5.84E-02	9.11E-02	3.10E-02	2.00E-04	1.12E-01	1.43E-01
4131	484363.09, 3855377.25	3.27564	2.09346	2.54705	5.03E-02	1.52E-04	6.83E-02	0.118731	5.14E-02	1.50E-04	7.60E-02	1.27E-01	4.88E-02	1.90E-04	1.46E-01	1.95E-01
4132	484863.09, 3855377.25	1.39113	1.48044	1.20788	2.13E-02	1.08E-04	3.24E-02	0.053851	2.18E-02	1.06E-04	3.60E-02	5.80E-02	2.07E-02	1.35E-04	6.92E-02	9.01E-02
4133	485363.09, 3855377.25	0.78197	0.94782	0.70981	1.20E-02	6.90E-05	1.90E-02	0.031106	1.23E-02	6.79E-05	2.12E-02	3.35E-02	1.16E-02	8.62E-05	4.07E-02	5.24E-02
4134	485863.09, 3855377.25	0.54578	0.67281	0.51107	8.38E-03	4.90E-05	1.37E-02	0.022131	8.56E-03	4.82E-05	1.52E-02	2.39E-02	8.13E-03	6.12E-05	2.93E-02	3.75E-02
4135	486363.09, 3855377.25	0.39402	0.47551	0.37463	6.05E-03	3.46E-05	1.00E-02	0.016129	6.18E-03	3.41E-05	1.12E-02	1.74E-02	5.87E-03	4.33E-05	2.15E-02	2.74E-02
4136	486863.09, 3855377.25	0.30639	0.3546	0.2961	4.70E-03	2.58E-05	7.94E-03	0.012669	4.80E-03	2.54E-05	8.83E-03	1.37E-02	4.56E-03	3.23E-05	1.70E-02	2.16E-02
4137	487363.09, 3855377.25	0.2815	0.3103	0.27794	4.32E-03	2.26E-05	7.45E-03	0.011797	4.41E-03	2.22E-05	8.29E-03	1.27E-02	4.19E-03	2.82E-05	1.59E-02	2.01E-02
4138	487863.09, 3855377.25	0.26004	0.27346	0.26109	3.99E-03	1.99E-05	7.00E-03	0.011013	4.08E-03	1.96E-05	7.79E-03	1.19E-02	3.87E-03	2.49E-05	1.50E-02	1.89E-02
4139	488363.09, 3855377.25	0.24223	0.24673	0.24654	3.72E-03	1.80E-05	6.61E-03	0.010347	3.80E-03	1.77E-05	7.35E-03	1.12E-02	3.61E-03	2.24E-05	1.41E-02	1.78E-02
4140	488863.09, 3855377.25	0.22573	0.22309	0.23214	3.46E-03	1.62E-05	6.23E-03	0.009706	3.54E-03	1.60E-05	6.93E-03	1.05E-02	3.36E-03	2.03E-05	1.33E-02	1.67E-02
4141	489363.09, 3855377.25	0.20794	0.19979	0.21499	3.19E-03	1.45E-05	5.77E-03	0.008972	3.26E-03	1.43E-05	6.41E-03	9.69E-03	3.10E-03	1.82E-05	1.23E-02	1.54E-02
4142	489863.09, 3855377.25	0.18765	0.18103	0.19432	2.88E-03	1.32E-05	5.21E-03	0.008104	2.94E-03	1.30E-05	5.80E-03	8.75E-03	2.80E-03	1.65E-05	1.11E-02	1.39E-02
4143	490363.09, 3855377.25	0.17736	0.17264	0.18482	2.72E-03	1.26E-05	4.96E-03	0.007691	2.78E-03	1.24E-05	5.51E-03	8.31E-03	2.64E-03	1.57E-05	1.06E-02	1.32E-02
4144	490863.09, 3855377.25	0.1163	0.11308	0.11869	1.78E-03	8.23E-06	3.18E-03	0.004976	1.82E-03	8.10E-06	3.54E-03	5.37E-03	1.73E-03	1.03E-05	6.80E-03	8.54E-03
4145	491363.09, 3855377.25	0.09889	0.09695	0.1011	1.52E-03	7.06E-06	2.71E-03	0.004236	1.55E-03	6.95E-06	3.02E-03	4.57E-03	1.47E-03	8.82E-06	5.79E-03	7.27E-03
4146	491863.09, 3855377.25	0.13575	0.13404	0.14211	2.08E-03	9.76E-06	3.81E-03	0.005904	2.13E-03	9.60E-06	4.24E-03	6.38E-03	2.02E-03	1.22E-05	8.14E-03	1.02E-02
4147	492363.09, 3855377.25	0.12924	0.12783	0.13592	1.98E-03	9.30E-06	3.65E-03	0.005638	2.03E-03	9.16E-06	4.05E-03	6.09E-03	1.93E-03	1.16E-05	7.79E-03	9.72E-03
4148	492863.09, 3855377.25	0.11826	0.1172	0.12446	1.81E-03	8.53E-06	3.34E-03	0.005161	1.85E-03	8.40E-06	3.71E-03	5.58E-03	1.76E-03	1.07E-05	7.13E-03	8.90E-03
4149	493363.09, 3855377.25	0.10253	0.1019	0.1075	1.57E-03	7.42E-06	2.88E-03	0.004464	1.61E-03	7.30E-06	3.21E-03	4.82E-03	1.53E-03	9.27E-06	6.16E-03	7.69E-03
4150	493863.09, 3855377.25	0.07958	0.07914	0.08278	1.22E-03	5.76E-06	2.22E-03	0.003447	1.25E-03	5.67E-06	2.47E-03	3.72E-03	1.19E-03	7.20E-06	4.74E-03	5.93E-03
4151	494363.09, 3855377.25	0.05953	0.05923	0.06168	9.13E-04	4.31E-06	1.65E-03	0.002572	9.33E-04	4.24E-06	1.84E-03	2.78E-03	8.87E-04	5.39E-06	3.53E-03	4.43E-03
4152	494863.09, 3855377.25	0.04435	0.04396	0.04587	6.81E-04	3.20E-06	1.23E-03	0.001914	6.95E-04	3.15E-06	1.37E-03	2.07E-03	6.61E-04	4.00E-06	2.63E-03	3.29E-03
4153	495363.09, 3855377.25	0.03492	0.03445	0.03609	5.36E-04	2.51E-06	9.68E-04	0.001506	5.48E-04	2.47E-06	1.08E-03	1.63E-03	5.20E-04	3.13E-06	2.07E-03	2.59E-03
4154	495863.09, 3855377.25	0.02888	0.02838	0.02985	4.43E-04	2.07E-06	8.01E-04	0.001246	4.53E-04	2.03E-06	8.90E-04	1.35E-03	4.30E-04	2.58E-06	1.71E-03	2.14E-03
4155	496363.09, 3855377.25	0.02706	0.02661	0.02799	4.15E-04	1.94E-06	7.51E-04	0.001168	4.24E-04	1.91E-06	8.35E-04	1.26E-03	4.03E-04	2.42E-06	1.60E-03	2.01E-03
4156	496863.09, 3855377.25	0.02571	0.02528	0.0266	3.95E-04	1.84E-06	7.13E-04	0.00111	4.03E-04	1.81E-06	7.94E-04	1.20E-03	3.83E-04	2.30E-06	1.52E-03	1.91E-03
4157	497363.09, 3855377.25	0.02531	0.02493	0.02621	3.88E-04	1.81E-06	7.03E-04	0.001093	3.97E-04	1.79E-06	7.82E-04	1.18E-03	3.77E-04	2.27E-06	1.50E-03	1.88E-03

4158	497863.09, 3855377.25	0.02589	0.02553	0.02683	3.97E-04	1.86E-06	7.20E-04	0.001119	4.06E-04	1.83E-06	8.00E-04	1.21E-03	3.86E-04	2.32E-06	1.54E-03	1.92E-03
4159	498363.09, 3855377.25	0.02671	0.02641	0.02772	4.10E-04	1.92E-06	7.43E-04	0.001155	4.19E-04	1.89E-06	8.27E-04	1.25E-03	3.98E-04	2.40E-06	1.59E-03	1.99E-03
4160	471363.09, 3855877.25	0.00775	0.00791	0.00785	1.19E-04	5.76E-07	2.11E-04	0.00033	1.22E-04	5.67E-07	2.34E-04	3.56E-04	1.15E-04	7.20E-07	4.50E-04	5.66E-04
4161	471863.09, 3855877.25	0.00814	0.00838	0.00823	1.25E-04	6.10E-07	2.21E-04	0.000346	1.28E-04	6.00E-07	2.46E-04	3.74E-04	1.21E-04	7.62E-07	4.71E-04	5.93E-04
4162	472363.09, 3855877.25	0.00901	0.00941	0.00912	1.38E-04	6.85E-07	2.45E-04	0.000384	1.41E-04	6.74E-07	2.72E-04	4.14E-04	1.34E-04	8.56E-07	5.22E-04	6.58E-04
4163	472863.09, 3855877.25	0.00926	0.00972	0.00935	1.42E-04	7.08E-07	2.51E-04	0.000394	1.45E-04	6.96E-07	2.79E-04	4.25E-04	1.38E-04	8.84E-07	5.36E-04	6.74E-04
4164	473363.09, 3855877.25	0.01048	0.01118	0.01057	1.61E-04	8.14E-07	2.83E-04	0.000445	1.64E-04	8.01E-07	3.15E-04	4.80E-04	1.56E-04	1.02E-06	6.05E-04	7.63E-04
4165	473863.09, 3855877.25	0.01146	0.01237	0.01155	1.76E-04	9.00E-07	3.10E-04	0.000487	1.80E-04	8.86E-07	3.45E-04	5.25E-04	1.71E-04	1.13E-06	6.62E-04	8.33E-04
4166	474363.09, 3855877.25	0.01216	0.01316	0.01223	1.87E-04	9.58E-07	3.28E-04	0.000516	1.91E-04	9.43E-07	3.65E-04	5.56E-04	1.81E-04	1.20E-06	7.01E-04	8.83E-04
4167	474863.09, 3855877.25	0.00971	0.01007	0.00971	1.49E-04	7.33E-07	2.60E-04	0.00041	1.52E-04	7.22E-07	2.90E-04	4.43E-04	1.45E-04	9.16E-07	5.56E-04	7.02E-04
4168	475363.09, 3855877.25	0.00646	0.0064	0.00649	9.91E-05	4.66E-07	1.74E-04	0.000274	1.01E-04	4.59E-07	1.94E-04	2.95E-04	9.62E-05	5.82E-07	3.72E-04	4.69E-04
4169	475863.09, 3855877.25	0.00332	0.00318	0.00342	5.09E-05	2.31E-07	9.17E-05	0.000143	5.21E-05	2.28E-07	1.02E-04	1.54E-04	4.95E-05	2.89E-07	1.96E-04	2.46E-04
4170	476363.09, 3855877.25	0.00358	0.00343	0.0037	5.49E-05	2.50E-07	9.92E-05	0.000154	5.61E-05	2.46E-07	1.10E-04	1.67E-04	5.33E-05	3.12E-07	2.12E-04	2.66E-04
4171	476863.09, 3855877.25	0.00519	0.00502	0.00528	7.96E-05	3.65E-07	1.42E-04	0.000222	8.14E-05	3.60E-07	1.58E-04	2.39E-04	7.73E-05	4.57E-07	3.02E-04	3.80E-04
4172	477363.09, 3855877.25	0.00627	0.00609	0.00633	9.62E-05	4.43E-07	1.70E-04	0.000266	9.83E-05	4.36E-07	1.89E-04	2.88E-04	9.34E-05	5.54E-07	3.63E-04	4.57E-04
4173	477863.09, 3855877.25	0.00775	0.0076	0.00781	1.19E-04	5.53E-07	2.09E-04	0.000329	1.22E-04	5.45E-07	2.33E-04	3.55E-04	1.15E-04	6.91E-07	4.47E-04	5.64E-04
4174	478363.09, 3855877.25	0.00981	0.00964	0.00979	1.51E-04	7.02E-07	2.63E-04	0.000414	1.54E-04	6.91E-07	2.92E-04	4.47E-04	1.46E-04	8.77E-07	5.61E-04	7.08E-04
4175	478863.09, 3855877.25	0.01309	0.0131	0.01301	2.01E-04	9.54E-07	3.49E-04	0.000551	2.05E-04	9.39E-07	3.88E-04	5.94E-04	1.95E-04	1.19E-06	7.45E-04	9.41E-04
4176	479363.09, 3855877.25	0.01811	0.01831	0.01787	2.78E-04	1.33E-06	4.79E-04	0.000759	2.84E-04	1.31E-06	5.33E-04	8.18E-04	2.70E-04	1.67E-06	1.02E-03	1.30E-03
4177	479863.09, 3855877.25	0.0247	0.02526	0.02426	3.79E-04	1.84E-06	6.51E-04	0.001032	3.87E-04	1.81E-06	7.24E-04	1.11E-03	3.68E-04	2.30E-06	1.39E-03	1.76E-03
4178	480363.09, 3855877.25	0.03657	0.03764	0.03565	5.61E-04	2.74E-06	9.56E-04	0.00152	5.73E-04	2.70E-06	1.06E-03	1.64E-03	5.45E-04	3.42E-06	2.04E-03	2.59E-03
4179	480863.09, 3855877.25	0.05735	0.06319	0.05616	8.80E-04	4.60E-06	1.51E-03	0.002391	8.99E-04	4.53E-06	1.68E-03	2.58E-03	8.54E-04	5.75E-06	3.22E-03	4.08E-03
4180	481363.09, 3855877.25	0.06689	0.07512	0.06435	1.03E-03	5.47E-06	1.73E-03	0.002758	1.05E-03	5.38E-06	1.92E-03	2.97E-03	9.96E-04	6.83E-06	3.69E-03	4.69E-03
4181	481863.09, 3855877.25	0.12606	0.17802	0.1263	1.93E-03	1.30E-05	3.39E-03	0.005335	1.98E-03	1.28E-05	3.77E-03	5.76E-03	1.88E-03	1.62E-05	7.24E-03	9.13E-03
4182	482363.09, 3855877.25	0.16208	0.23113	0.16125	2.49E-03	1.68E-05	4.32E-03	0.006829	2.54E-03	1.66E-05	4.81E-03	7.37E-03	2.41E-03	2.10E-05	9.24E-03	1.17E-02
4183	482863.09, 3855877.25	0.221	0.30819	0.21534	3.39E-03	2.24E-05	5.78E-03	0.009189	3.47E-03	2.21E-05	6.42E-03	9.91E-03	3.29E-03	2.80E-05	1.23E-02	1.57E-02
4184	483363.09, 3855877.25	0.31527	0.40282	0.29629	4.84E-03	2.93E-05	7.95E-03	0.012814	4.94E-03	2.89E-05	8.84E-03	1.38E-02	4.70E-03	3.66E-05	1.70E-02	2.17E-02
4185	483863.09, 3855877.25	0.4972	0.41874	0.4467	7.63E-03	3.05E-05	1.20E-02	0.019641	7.80E-03	3.00E-05	1.33E-02	2.12E-02	7.41E-03	3.81E-05	2.56E-02	3.30E-02
4186	484363.09, 3855877.25	1.47549	0.48762	1.16024	2.26E-02	3.55E-05	3.11E-02	0.053795	2.31E-02	3.49E-05	3.46E-02	5.78E-02	2.20E-02	4.44E-05	6.65E-02	8.85E-02
4187	484863.09, 3855877.25	3.68096	0.49798	3.73286	5.65E-02	3.62E-05	1.00E-01	0.156638	5.77E-02	3.57E-05	1.11E-01	1.69E-01	5.48E-02	4.53E-05	2.14E-01	2.69E-01
4188	485363.09, 3855877.25	1.64964	0.49812	1.6703	2.53E-02	3.63E-05	4.48E-02	0.070149	2.59E-02	3.57E-05	4.98E-02	7.57E-02	2.46E-02	4.53E-05	9.57E-02	1.20E-01
4189	485863.09, 3855877.25	0.90465	0.42525	0.91269	1.39E-02	3.10E-05	2.45E-02	0.038392	1.42E-02	3.05E-05	2.72E-02	4.14E-02	1.35E-02	3.87E-05	5.23E-02	6.58E-02
4190	486363.09, 3855877.25	0.59378	0.3359	0.59568	9.11E-03	2.45E-05	1.60E-02	0.025113	9.31E-03	2.41E-05	1.78E-02	2.71E-02	8.85E-03	3.06E-05	3.41E-02	4.30E-02
4191	486863.09, 3855877.25	0.45722	0.28653	0.46062	7.02E-03	2.09E-05	1.24E-02	0.019391	7.17E-03	2.05E-05	1.37E-02	2.09E-02	6.81E-03	2.61E-05	2.64E-02	3.32E-02
4192	487363.09, 3855877.25	0.40651	0.2709	0.41476	6.24E-03	1.97E-05	1.11E-02	0.017382	6.37E-03	1.94E-05	1.24E-02	1.88E-02	6.06E-03	2.46E-05	2.38E-02	2.98E-02
4193	487863.09, 3855877.25	0.3672	0.2579	0.37776	5.63E-03	1.88E-05	1.01E-02	0.015785	5.76E-03	1.85E-05	1.13E-02	1.70E-02	5.47E-03	2.35E-05	2.16E-02	2.71E-02
4194	488363.09, 3855877.25	0.3291	0.24165	0.34045	5.05E-03	1.76E-05	9.13E-03	0.014199	5.16E-03	1.73E-05	1.02E-02	1.53E-02	4.90E-03	2.20E-05	1.95E-02	2.44E-02
4195	488863.09, 3855877.25	0.29759	0.22688	0.30941	4.57E-03	1.65E-05	8.30E-03	0.012882	4.67E-03	1.63E-05	9.23E-03	1.39E-02	4.43E-03	2.06E-05	1.77E-02	2.22E-02
4196	489363.09, 3855877.25	0.26893	0.21878	0.28062	4.13E-03	1.59E-05	7.53E-03	0.011669	4.22E-03	1.57E-05	8.37E-03	1.26E-02	4.01E-03	1.99E-05	1.61E-02	2.01E-02
4197	489863.09, 3855877.25	0.24312	0.20725	0.25467	3.73E-03	1.51E-05	6.83E-03	0.010576	3.81E-03	1.48E-05	7.60E-03	1.14E-02	3.62E-03	1.89E-05	1.46E-02	1.82E-02
4198	490363.09, 3855877.25	0.22183	0.19619	0.23307	3.40E-03	1.43E-05	6.25E-03	0.009669	3.48E-03	1.41E-05	6.95E-03	1.04E-02	3.30E-03	1.78E-05	1.34E-02	1.67E-02
4199	490863.09, 3855877.25	0.19729	0.17895	0.2078	3.03E-03	1.30E-05	5.57E-03	0.008614	3.09E-03	1.28E-05	6.20E-03	9.31E-03	2.94E-03	1.63E-05	1.19E-02	1.49E-02
4200	491363.09, 3855877.25	0.16425	0.15084	0.17247	2.52E-03	1.10E-05	4.63E-03	0.007157	2.58E-03	1.08E-05	5.15E-03	7.73E-03	2.45E-03	1.37E-05	9.88E-03	1.23E-02
4201	491863.09, 3855877.25	0.16483	0.15447	0.17446	2.53E-03	1.12E-05	4.68E-03	0.00722	2.58E-03	1.11E-05	5.20E-03	7.80E-03	2.46E-03	1.41E-05	9.99E-03	1.25E-02
4202	492363.09, 3855877.25	0.14709	0.13938	0.15569	2.26E-03	1.01E-05	4.18E-03	0.006443	2.31E-03	9.99E-06	4.64E-03	6.96E-03	2.19E-03	1.27E-05	8.92E-03	1.11E-02
4203	492863.09, 3855877.25	0.13234	0.1262	0.14002	2.03E-03	9.19E-06	3.76E-03	0.005795	2.07E-03	9.04E-06	4.18E-03	6.26E-03	1.97E-03	1.15E-05	8.02E-03	1.00E-02
4204	493363.09, 3855877.25	0.10159	0.09651	0.10638	1.56E-03	7.03E-06	2.85E-03	0.004419	1.59E-03	6.92E-06	3.17E-03	4.77E-03	1.51E-03	8.78E-06	6.09E-03	7.62E-03
4205	493863.09, 3855877.25	0.07277	0.0689	0.07559	1.12E-03	5.02E-06	2.03E-03	0.003149	1.14E-03	4.94E-06	2.26E-03	3.40E-03	1.08E-03	6.27E-06	4.33E-03	5.42E-03
4206	494363.09, 3855877.25	0.05218	0.04942	0.05398	8.01E-04	3.60E-06	1.45E-03	0.002252	8.18E-04	3.54E-06	1.61E-03	2.43E-03	7.77E-04	4.50E-06	3.09E-03	3.87E-03
4207	494863.09, 3855877.25	0.03995	0.0379	0.04123	6.13E-04	2.76E-06	1.11E-03	0.001722	6.26E-04	2.72E-06	1.23E-03	1.86E-03	5.95E-04	3.45E-06	2.36E-03	2.96E-03
4208	495363.09, 3855877.25	0.0292	0.02768	0.03009	4.48E-04	2.01E-06	8.07E-04	0.001257	4.58E-04	1.98E-06	8.98E-04	1.36E-03	4.35E-04	2.52E-06	1.72E-03	2.16E-03
4209	495863.09, 3855877.25	0.02761	0.02623	0.02846	4.24E-04	1.91E-06	7.63E-04	0.001189	4.33E-04	1.88E-06	8.49E-04	1.28E-03	4.11E-04	2.39E-06	1.63E-03	2.04E-03
4210	496363.09, 3855877.25	0.02658	0.02527	0.02741	4.08E-04	1.84E-06	7.35E-04	0.001145	4.17E-04	1.81E-06	8.18E-04	1.24E-03	3.96E-04	2.30E-06	1.57E-03	1.97E-03
4211	496863.09, 3855877.25	0.02668	0.0254	0.02753	4.09E-04	1.85E-06	7.38E-04	0.00115	4.18E-04	1.82E-06	8.21E-04	1.24E-03	3.97E-04	2.31E-06	1.58E-03	1.98E-03
4212	497363.09, 3855877.25	0.02699	0.02575	0.02789	4.14E-04	1.87E-06	7.48E-04	0.001164	4.23E-04	1.85E-06	8.32E-04	1.26E-03	4.02E-04	2.34E-06	1.60E-03	2.00E-03
4213	497863.09, 3855877.25	0.02781	0.02657	0.02876	4.27E-04	1.93E-06	7.71E-04	0.0012	4.36E-04	1.90E-06	8.58E-04	1.30E-03	4.14E-04	2.42E-06	1.65E-03	2.06E-03
4214	498363.09, 3855877.25	0.03053	0.02932	0.03166	4.68E-04	2.13E-06	8.49E-04	0.00132	4.79E-04	2.10E-06	9.44E-04	1.43E-03	4.55E-04	2.67E-06	1.81E-03	2.27E-03

4215	471363.09, 3856377.25	0.00802	0.00865	0.00804	1.23E-04	6.30E-07	2.16E-04	0.000339	1.26E-04	6.20E-07	2.40E-04	3.66E-04	1.19E-04	7.87E-07	4.61E-04	5.81E-04
4216	471863.09, 3856377.25	0.00836	0.00897	0.00837	1.28E-04	6.53E-07	2.24E-04	0.000353	1.31E-04	6.43E-07	2.50E-04	3.81E-04	1.25E-04	8.16E-07	4.79E-04	6.05E-04
4217	472363.09, 3856377.25	0.00903	0.00966	0.00903	1.39E-04	7.03E-07	2.42E-04	0.000381	1.42E-04	6.92E-07	2.69E-04	4.12E-04	1.35E-04	8.79E-07	5.17E-04	6.53E-04
4218	472863.09, 3856377.25	0.00988	0.01056	0.00989	1.52E-04	7.69E-07	2.65E-04	0.000418	1.55E-04	7.57E-07	2.95E-04	4.51E-04	1.47E-04	9.61E-07	5.67E-04	7.15E-04
4219	473363.09, 3856377.25	0.01065	0.01131	0.01066	1.63E-04	8.23E-07	2.86E-04	0.00045	1.67E-04	8.10E-07	3.18E-04	4.86E-04	1.59E-04	1.03E-06	6.11E-04	7.70E-04
4220	473863.09, 3856377.25	0.01205	0.01281	0.01206	1.85E-04	9.32E-07	3.23E-04	0.000509	1.89E-04	9.18E-07	3.60E-04	5.50E-04	1.80E-04	1.17E-06	6.91E-04	8.72E-04
4221	474363.09, 3856377.25	0.01191	0.01234	0.01189	1.83E-04	8.98E-07	3.19E-04	0.000503	1.87E-04	8.84E-07	3.55E-04	5.42E-04	1.77E-04	1.12E-06	6.81E-04	8.60E-04
4222	474863.09, 3856377.25	0.0112	0.0112	0.01113	1.72E-04	8.15E-07	2.99E-04	0.000471	1.76E-04	8.03E-07	3.32E-04	5.08E-04	1.67E-04	1.02E-06	6.38E-04	8.05E-04
4223	475363.09, 3856377.25	0.00899	0.00864	0.0089	1.38E-04	6.29E-07	2.39E-04	0.000377	1.41E-04	6.19E-07	2.66E-04	4.07E-04	1.34E-04	7.86E-07	5.10E-04	6.45E-04
4224	475863.09, 3856377.25	0.00643	0.00602	0.00639	9.87E-05	4.38E-07	1.71E-04	0.00027	1.01E-04	4.31E-07	1.91E-04	2.92E-04	9.58E-05	5.48E-07	3.66E-04	4.62E-04
4225	476363.09, 3856377.25	0.00619	0.0058	0.00618	9.50E-05	4.22E-07	1.66E-04	0.000261	9.71E-05	4.16E-07	1.84E-04	2.82E-04	9.22E-05	5.28E-07	3.54E-04	4.47E-04
4226	476863.09, 3856377.25	0.00646	0.00609	0.00644	9.91E-05	4.43E-07	1.73E-04	0.000272	1.01E-04	4.36E-07	1.92E-04	2.94E-04	9.62E-05	5.54E-07	3.69E-04	4.66E-04
4227	477363.09, 3856377.25	0.00704	0.00667	0.007	1.08E-04	4.86E-07	1.88E-04	0.000296	1.10E-04	4.78E-07	2.09E-04	3.20E-04	1.05E-04	6.07E-07	4.01E-04	5.06E-04
4228	477863.09, 3856377.25	0.00602	0.00574	0.006	9.24E-05	4.18E-07	1.61E-04	0.000254	9.44E-05	4.11E-07	1.79E-04	2.74E-04	8.97E-05	5.22E-07	3.44E-04	4.34E-04
4229	478363.09, 3856377.25	0.00563	0.00536	0.00562	8.64E-05	3.90E-07	1.51E-04	0.000238	8.83E-05	3.84E-07	1.68E-04	2.56E-04	8.39E-05	4.88E-07	3.22E-04	4.06E-04
4230	478863.09, 3856377.25	0.01044	0.01008	0.01032	1.60E-04	7.34E-07	2.77E-04	0.000438	1.64E-04	7.22E-07	3.08E-04	4.72E-04	1.56E-04	9.17E-07	5.91E-04	7.48E-04
4231	479363.09, 3856377.25	0.01377	0.0134	0.01358	2.11E-04	9.75E-07	3.64E-04	0.000577	2.16E-04	9.60E-07	4.05E-04	6.22E-04	2.05E-04	1.22E-06	7.78E-04	9.84E-04
4232	479863.09, 3856377.25	0.02369	0.02357	0.02318	3.64E-04	1.72E-06	6.22E-04	0.000987	3.71E-04	1.69E-06	6.92E-04	1.06E-03	3.53E-04	2.14E-06	1.33E-03	1.68E-03
4233	480363.09, 3856377.25	0.03952	0.04247	0.0385	6.06E-04	3.09E-06	1.03E-03	0.001642	6.20E-04	3.04E-06	1.15E-03	1.77E-03	5.89E-04	3.86E-06	2.21E-03	2.80E-03
4234	480863.09, 3856377.25	0.05771	0.06627	0.0566	8.86E-04	4.82E-06	1.52E-03	0.002408	9.05E-04	4.75E-06	1.69E-03	2.60E-03	8.60E-04	6.03E-06	3.24E-03	4.11E-03
4235	481363.09, 3856377.25	0.0823	0.09865	0.0817	1.26E-03	7.18E-06	2.19E-03	0.003461	1.29E-03	7.07E-06	2.44E-03	3.73E-03	1.23E-03	8.97E-06	4.68E-03	5.92E-03
4236	481863.09, 3856377.25	0.11428	0.1326	0.11435	1.75E-03	9.65E-06	3.07E-03	0.00483	1.79E-03	9.50E-06	3.41E-03	5.21E-03	1.70E-03	1.21E-05	6.55E-03	8.27E-03
4237	482363.09, 3856377.25	0.14135	0.16225	0.1383	2.17E-03	1.18E-05	3.71E-03	0.00589	2.22E-03	1.16E-05	4.13E-03	6.35E-03	2.11E-03	1.48E-05	7.92E-03	1.00E-02
4238	482863.09, 3856377.25	0.18054	0.20357	0.17335	2.77E-03	1.48E-05	4.65E-03	0.007435	2.83E-03	1.46E-05	5.17E-03	8.02E-03	2.69E-03	1.85E-05	9.93E-03	1.26E-02
4239	483363.09, 3856377.25	0.23541	0.22688	0.22015	3.61E-03	1.65E-05	5.90E-03	0.009533	3.69E-03	1.63E-05	6.57E-03	1.03E-02	3.51E-03	2.06E-05	1.26E-02	1.61E-02
4240	483863.09, 3856377.25	0.32278	0.22031	0.29417	4.95E-03	1.60E-05	7.89E-03	0.012859	5.06E-03	1.58E-05	8.78E-03	1.39E-02	4.81E-03	2.00E-05	1.69E-02	2.17E-02
4241	484363.09, 3856377.25	0.48294	0.22617	0.42151	7.41E-03	1.65E-05	1.13E-02	0.018732	7.57E-03	1.62E-05	1.26E-02	2.02E-02	7.19E-03	2.06E-05	2.41E-02	3.14E-02
4242	484863.09, 3856377.25	1.07848	0.25634	0.82374	1.65E-02	1.87E-05	2.21E-02	0.038661	1.69E-02	1.84E-05	2.46E-02	4.15E-02	1.61E-02	2.33E-05	4.72E-02	6.33E-02
4243	485363.09, 3856377.25	3.56622	0.28076	3.3568	5.47E-02	2.04E-05	9.00E-02	0.144776	5.59E-02	2.01E-05	1.00E-01	1.56E-01	5.31E-02	2.55E-05	1.92E-01	2.45E-01
4244	485863.09, 3856377.25	1.93999	0.29463	2.18534	2.98E-02	2.14E-05	5.86E-02	0.088403	3.04E-02	2.11E-05	6.52E-02	9.56E-02	2.89E-02	2.68E-05	1.25E-01	1.54E-01
4245	486363.09, 3856377.25	0.88382	0.25015	0.94694	1.36E-02	1.82E-05	2.54E-02	0.038978	1.39E-02	1.79E-05	2.82E-02	4.21E-02	1.32E-02	2.28E-05	5.42E-02	6.74E-02
4246	486863.09, 3856377.25	0.68304	0.23417	0.71999	1.05E-02	1.70E-05	1.93E-02	0.029809	1.07E-02	1.68E-05	2.15E-02	3.22E-02	1.02E-02	2.13E-05	4.12E-02	5.14E-02
4247	487363.09, 3856377.25	0.5747	0.22787	0.60251	8.82E-03	1.66E-05	1.62E-02	0.024995	9.01E-03	1.63E-05	1.80E-02	2.70E-02	8.56E-03	2.07E-05	3.45E-02	4.31E-02
4248	487863.09, 3856377.25	0.49887	0.23922	0.52224	7.66E-03	1.74E-05	1.40E-02	0.021679	7.82E-03	1.71E-05	1.56E-02	2.34E-02	7.43E-03	2.18E-05	2.99E-02	3.74E-02
4249	488363.09, 3856377.25	0.43212	0.25389	0.45281	6.63E-03	1.85E-05	1.21E-02	0.018794	6.78E-03	1.82E-05	1.35E-02	2.03E-02	6.44E-03	2.31E-05	2.59E-02	3.24E-02
4250	488863.09, 3856377.25	0.37793	0.26744	0.39731	5.80E-03	1.95E-05	1.07E-02	0.016475	5.93E-03	1.92E-05	1.19E-02	1.78E-02	5.63E-03	2.43E-05	2.28E-02	2.84E-02
4251	489363.09, 3856377.25	0.33286	0.2644	0.35117	5.11E-03	1.92E-05	9.42E-03	0.014546	5.22E-03	1.89E-05	1.05E-02	1.57E-02	4.96E-03	2.41E-05	2.01E-02	2.51E-02
4252	489863.09, 3856377.25	0.29519	0.25276	0.31248	4.53E-03	1.84E-05	8.38E-03	0.012929	4.63E-03	1.81E-05	9.32E-03	1.40E-02	4.40E-03	2.30E-05	1.79E-02	2.23E-02
4253	490363.09, 3856377.25	0.26143	0.23436	0.27739	4.01E-03	1.71E-05	7.44E-03	0.011468	4.10E-03	1.68E-05	8.28E-03	1.24E-02	3.89E-03	2.13E-05	1.59E-02	1.98E-02
4254	490863.09, 3856377.25	0.23221	0.21377	0.24689	3.56E-03	1.56E-05	6.62E-03	0.010201	3.64E-03	1.53E-05	7.37E-03	1.10E-02	3.46E-03	1.94E-05	1.41E-02	1.76E-02
4255	491363.09, 3856377.25	0.20776	0.19411	0.22139	3.19E-03	1.41E-05	5.94E-03	0.00914	3.26E-03	1.39E-05	6.60E-03	9.88E-03	3.10E-03	1.77E-05	1.27E-02	1.58E-02
4256	491863.09, 3856377.25	0.1849	0.17409	0.19715	2.84E-03	1.27E-05	5.29E-03	0.008138	2.90E-03	1.25E-05	5.88E-03	8.79E-03	2.75E-03	1.58E-05	1.13E-02	1.41E-02
4257	492363.09, 3856377.25	0.16115	0.15237	0.17171	2.47E-03	1.11E-05	4.61E-03	0.007089	2.53E-03	1.09E-05	5.12E-03	7.66E-03	2.40E-03	1.39E-05	9.84E-03	1.23E-02
4258	492863.09, 3856377.25	0.12929	0.12204	0.13679	1.98E-03	8.88E-06	3.67E-03	0.005662	2.03E-03	8.74E-06	4.08E-03	6.12E-03	1.93E-03	1.11E-05	7.84E-03	9.77E-03
4259	493363.09, 3856377.25	0.0838	0.07817	0.08729	1.29E-03	5.69E-06	2.34E-03	0.003633	1.31E-03	5.60E-06	2.60E-03	3.92E-03	1.25E-03	7.11E-06	5.00E-03	6.26E-03
4260	493863.09, 3856377.25	0.06504	0.06048	0.06749	9.98E-04	4.40E-06	1.81E-03	0.002813	1.02E-03	4.33E-06	2.01E-03	3.04E-03	9.69E-04	5.50E-06	3.87E-03	4.84E-03
4261	494363.09, 3856377.25	0.04781	0.0441	0.04941	7.34E-04	3.21E-06	1.33E-03	0.002062	7.50E-04	3.16E-06	1.47E-03	2.23E-03	7.12E-04	4.01E-06	2.83E-03	3.55E-03
4262	494863.09, 3856377.25	0.03616	0.03305	0.03727	5.55E-04	2.41E-06	1.00E-03	0.001557	5.67E-04	2.37E-06	1.11E-03	1.68E-03	5.39E-04	3.01E-06	2.14E-03	2.68E-03
4263	495363.09, 3856377.25	0.02928	0.02668	0.03012	4.49E-04	1.94E-06	8.08E-04	0.001259	4.59E-04	1.91E-06	8.99E-04	1.36E-03	4.36E-04	2.43E-06	1.73E-03	2.16E-03
4264	495863.09, 3856377.25	0.02748	0.02503	0.02826	4.22E-04	1.82E-06	7.58E-04	0.001181	4.31E-04	1.79E-06	8.43E-04	1.28E-03	4.09E-04	2.28E-06	1.62E-03	2.03E-03
4265	496363.09, 3856377.25	0.02691	0.02457	0.02769	4.13E-04	1.79E-06	7.43E-04	0.001157	4.22E-04	1.76E-06	8.26E-04	1.25E-03	4.01E-04	2.23E-06	1.59E-03	1.99E-03
4266	496863.09, 3856377.25	0.02811	0.02575	0.02897	4.31E-04	1.87E-06	7.77E-04	0.00121	4.41E-04	1.85E-06	8.64E-04	1.31E-03	4.19E-04	2.34E-06	1.66E-03	2.08E-03
4267	497363.09, 3856377.25	0.02899	0.02672	0.02991	4.45E-04	1.95E-06	8.02E-04	0.001249	4.55E-04	1.91E-06	8.92E-04	1.35E-03	4.32E-04	2.43E-06	1.71E-03	2.15E-03
4268	497863.09, 3856377.25	0.03088	0.02868	0.03194	4.74E-04	2.09E-06	8.57E-04	0.001333	4.84E-04	2.05E-06	9.53E-04	1.44E-03	4.60E-04	2.61E-06	1.83E-03	2.29E-03
4269	498363.09, 3856377.25	0.03351	0.03139	0.03476	5.14E-04	2.28E-06	9.32E-04	0.001449	5.25E-04	2.25E-06	1.04E-03	1.56E-03	4.99E-04	2.86E-06	1.99E-03	2.49E-03
4270	471363.09, 3856877.25	0.00839	0.00881	0.00835	1.29E-04	6.41E-07	2.24E-04	0.000353	1.32E-04	6.31E-07	2.49E-04	3.81E-04	1.25E-04	8.01E-07	4.78E-04	6.04E-04
4271	471863.09, 3856877.25	0.00864	0.00895	0.00858	1.33E-04	6.51E-07	2.30E-04	0.000363	1.35E-04	6.41E-07	2.56E-04	3.92E-04	1.29E-04	8.14E-07	4.92E-04	6.21E-04

4272	472363.09, 3856877.25	0.00928	0.00956	0.00922	1.42E-04	6.96E-07	2.47E-04	0.00039	1.46E-04	6.85E-07	2.75E-04	4.21E-04	1.38E-04	8.70E-07	5.28E-04	6.67E-04
4273	472863.09, 3856877.25	0.00996	0.01022	0.0099	1.53E-04	7.44E-07	2.66E-04	0.000419	1.56E-04	7.32E-07	2.95E-04	4.52E-04	1.48E-04	9.30E-07	5.67E-04	7.16E-04
4274	473363.09, 3856877.25	0.01128	0.01161	0.01123	1.73E-04	8.45E-07	3.01E-04	0.000475	1.77E-04	8.32E-07	3.35E-04	5.13E-04	1.68E-04	1.06E-06	6.43E-04	8.12E-04
4275	473863.09, 3856877.25	0.01212	0.0124	0.01209	1.86E-04	9.03E-07	3.24E-04	0.000511	1.90E-04	8.88E-07	3.61E-04	5.52E-04	1.81E-04	1.13E-06	6.93E-04	8.74E-04
4276	474363.09, 3856877.25	0.01184	0.01191	0.0118	1.82E-04	8.67E-07	3.16E-04	0.000499	1.86E-04	8.53E-07	3.52E-04	5.39E-04	1.76E-04	1.08E-06	6.76E-04	8.53E-04
4277	474863.09, 3856877.25	0.01101	0.01086	0.01095	1.69E-04	7.91E-07	2.94E-04	0.000463	1.73E-04	7.78E-07	3.27E-04	5.00E-04	1.64E-04	9.88E-07	6.27E-04	7.92E-04
4278	475363.09, 3856877.25	0.00934	0.00909	0.00923	1.43E-04	6.62E-07	2.48E-04	0.000392	1.46E-04	6.51E-07	2.75E-04	4.22E-04	1.39E-04	8.27E-07	5.29E-04	6.69E-04
4279	475863.09, 3856877.25	0.00944	0.0092	0.0093	1.45E-04	6.70E-07	2.49E-04	0.000395	1.48E-04	6.59E-07	2.77E-04	4.26E-04	1.41E-04	8.37E-07	5.33E-04	6.74E-04
4280	476363.09, 3856877.25	0.00831	0.00809	0.00815	1.28E-04	5.89E-07	2.19E-04	0.000347	1.30E-04	5.80E-07	2.43E-04	3.74E-04	1.24E-04	7.36E-07	4.67E-04	5.91E-04
4281	476863.09, 3856877.25	0.00813	0.00793	0.00797	1.25E-04	5.77E-07	2.14E-04	0.000339	1.27E-04	5.68E-07	2.38E-04	3.66E-04	1.21E-04	7.21E-07	4.57E-04	5.78E-04
4282	477363.09, 3856877.25	0.00741	0.00722	0.00727	1.14E-04	5.26E-07	1.95E-04	0.000309	1.16E-04	5.17E-07	2.17E-04	3.34E-04	1.10E-04	6.57E-07	4.16E-04	5.28E-04
4283	477863.09, 3856877.25	0.00545	0.00509	0.00536	8.36E-05	3.71E-07	1.44E-04	0.000228	8.55E-05	3.65E-07	1.60E-04	2.46E-04	8.12E-05	4.63E-07	3.07E-04	3.89E-04
4284	478363.09, 3856877.25	0.00504	0.0045	0.00497	7.73E-05	3.28E-07	1.33E-04	0.000211	7.90E-05	3.22E-07	1.48E-04	2.28E-04	7.51E-05	4.09E-07	2.85E-04	3.60E-04
4285	478863.09, 3856877.25	0.00637	0.00575	0.00626	9.77E-05	4.19E-07	1.68E-04	0.000266	9.99E-05	4.12E-07	1.87E-04	2.87E-04	9.49E-05	5.23E-07	3.59E-04	4.54E-04
4286	479363.09, 3856877.25	0.00856	0.00796	0.0084	1.31E-04	5.79E-07	2.25E-04	0.000357	1.34E-04	5.70E-07	2.51E-04	3.85E-04	1.28E-04	7.24E-07	4.81E-04	6.09E-04
4287	479863.09, 3856877.25	0.0213	0.02102	0.02053	3.27E-04	1.53E-06	5.51E-04	0.000879	3.34E-04	1.51E-06	6.12E-04	9.48E-04	3.17E-04	1.91E-06	1.18E-03	1.50E-03
4288	480363.09, 3856877.25	0.03777	0.0396	0.03668	5.80E-04	2.88E-06	9.84E-04	0.001566	5.92E-04	2.84E-06	1.09E-03	1.69E-03	5.63E-04	3.60E-06	2.10E-03	2.67E-03
4289	480863.09, 3856877.25	0.05845	0.06208	0.05798	8.97E-04	4.52E-06	1.56E-03	0.002456	9.16E-04	4.45E-06	1.73E-03	2.65E-03	8.71E-04	5.65E-06	3.32E-03	4.20E-03
4290	481363.09, 3856877.25	0.07885	0.08035	0.07853	1.21E-03	5.85E-06	2.11E-03	0.003322	1.24E-03	5.76E-06	2.34E-03	3.58E-03	1.17E-03	7.31E-06	4.50E-03	5.68E-03
4291	481863.09, 3856877.25	0.09845	0.1013	0.09738	1.51E-03	7.37E-06	2.61E-03	0.00413	1.54E-03	7.26E-06	2.91E-03	4.46E-03	1.47E-03	9.21E-06	5.58E-03	7.05E-03
4292	482363.09, 3856877.25	0.12295	0.12789	0.1191	1.89E-03	9.31E-06	3.19E-03	0.00509	1.93E-03	9.16E-06	3.55E-03	5.49E-03	1.83E-03	1.16E-05	6.82E-03	8.67E-03
4293	482863.09, 3856877.25	0.14906	0.14544	0.14185	2.29E-03	1.06E-05	3.80E-03	0.006102	2.34E-03	1.04E-05	4.23E-03	6.58E-03	2.22E-03	1.32E-05	8.13E-03	1.04E-02
4294	483363.09, 3856877.25	0.18522	0.15281	0.17286	2.84E-03	1.11E-05	4.64E-03	0.00749	2.90E-03	1.09E-05	5.16E-03	8.07E-03	2.76E-03	1.39E-05	9.90E-03	1.27E-02
4295	483863.09, 3856877.25	0.23664	0.15349	0.21706	3.63E-03	1.12E-05	5.82E-03	0.009464	3.71E-03	1.10E-05	6.48E-03	1.02E-02	3.53E-03	1.40E-05	1.24E-02	1.60E-02
4296	484363.09, 3856877.25	0.31731	0.16932	0.28358	4.87E-03	1.23E-05	7.61E-03	0.012487	4.98E-03	1.21E-05	8.46E-03	1.34E-02	4.73E-03	1.54E-05	1.62E-02	2.10E-02
4297	484863.09, 3856877.25	0.45331	0.1879	0.39144	6.96E-03	1.37E-05	1.05E-02	0.017468	7.11E-03	1.35E-05	1.17E-02	1.88E-02	6.75E-03	1.71E-05	2.24E-02	2.92E-02
4298	485363.09, 3856877.25	0.88956	0.22577	0.70476	1.37E-02	1.64E-05	1.89E-02	0.032569	1.39E-02	1.62E-05	2.10E-02	3.50E-02	1.33E-02	2.05E-05	4.04E-02	5.36E-02
4299	485863.09, 3856877.25	3.45753	0.2894	2.94244	5.31E-02	2.11E-05	7.89E-02	0.131995	5.42E-02	2.07E-05	8.78E-02	1.42E-01	5.15E-02	2.63E-05	1.69E-01	2.20E-01
4300	486363.09, 3856877.25	1.88445	0.30858	1.9863	2.89E-02	2.25E-05	5.33E-02	0.082213	2.95E-02	2.21E-05	5.93E-02	8.88E-02	2.81E-02	2.81E-05	1.14E-01	1.42E-01
4301	486863.09, 3856877.25	1.10768	0.2797	1.18443	1.70E-02	2.04E-05	3.18E-02	0.048785	1.74E-02	2.00E-05	3.53E-02	5.27E-02	1.65E-02	2.54E-05	6.78E-02	8.44E-02
4302	487363.09, 3856877.25	0.83198	0.38098	0.89175	1.28E-02	2.77E-05	2.39E-02	0.036712	1.30E-02	2.73E-05	2.66E-02	3.97E-02	1.24E-02	3.47E-05	5.11E-02	6.35E-02
4303	487863.09, 3856877.25	0.66332	0.49501	0.70883	1.02E-02	3.60E-05	1.90E-02	0.029226	1.04E-02	3.55E-05	2.11E-02	3.16E-02	9.88E-03	4.50E-05	4.06E-02	5.05E-02
4304	488363.09, 3856877.25	0.54684	0.49932	0.58463	8.39E-03	3.63E-05	1.57E-02	0.024108	8.57E-03	3.58E-05	1.74E-02	2.61E-02	8.15E-03	4.54E-05	3.35E-02	4.17E-02
4305	488863.09, 3856877.25	0.45832	0.44168	0.4911	7.03E-03	3.22E-05	1.32E-02	0.020237	7.19E-03	3.16E-05	1.47E-02	2.19E-02	6.83E-03	4.02E-05	2.81E-02	3.50E-02
4306	489363.09, 3856877.25	0.3917	0.38051	0.42074	6.01E-03	2.77E-05	1.13E-02	0.017323	6.14E-03	2.73E-05	1.26E-02	1.87E-02	5.84E-03	3.46E-05	2.41E-02	3.00E-02
4307	489863.09, 3856877.25	0.33811	0.32399	0.36375	5.19E-03	2.36E-05	9.76E-03	0.014968	5.30E-03	2.32E-05	1.09E-02	1.62E-02	5.04E-03	2.95E-05	2.08E-02	2.59E-02
4308	490363.09, 3856877.25	0.29302	0.2773	0.31573	4.50E-03	2.02E-05	8.47E-03	0.012985	4.59E-03	1.99E-05	9.42E-03	1.40E-02	4.37E-03	2.52E-05	1.81E-02	2.25E-02
4309	490863.09, 3856877.25	0.25627	0.24064	0.27601	3.93E-03	1.75E-05	7.40E-03	0.011353	4.02E-03	1.72E-05	8.23E-03	1.23E-02	3.82E-03	2.19E-05	1.58E-02	1.97E-02
4310	491363.09, 3856877.25	0.22539	0.21115	0.24251	3.46E-03	1.54E-05	6.50E-03	0.009978	3.53E-03	1.51E-05	7.23E-03	1.08E-02	3.36E-03	1.92E-05	1.39E-02	1.73E-02
4311	491863.09, 3856877.25	0.19778	0.18555	0.21252	3.03E-03	1.35E-05	5.70E-03	0.008748	3.10E-03	1.33E-05	6.34E-03	9.45E-03	2.95E-03	1.69E-05	1.22E-02	1.51E-02
4312	492363.09, 3856877.25	0.15557	0.14597	0.16627	2.39E-03	1.06E-05	4.46E-03	0.006857	2.44E-03	1.05E-05	4.96E-03	7.41E-03	2.32E-03	1.33E-05	9.52E-03	1.19E-02
4313	492863.09, 3856877.25	0.12024	0.11182	0.12697	1.85E-03	8.14E-06	3.41E-03	0.005259	1.89E-03	8.01E-06	3.79E-03	5.68E-03	1.79E-03	1.02E-05	7.27E-03	9.07E-03
4314	493363.09, 3856877.25	0.08725	0.08033	0.09113	1.34E-03	5.85E-06	2.44E-03	0.003789	1.37E-03	5.76E-06	2.72E-03	4.09E-03	1.30E-03	7.31E-06	5.22E-03	6.53E-03
4315	493863.09, 3856877.25	0.05996	0.05477	0.06213	9.20E-04	3.99E-06	1.67E-03	0.00259	9.40E-04	3.92E-06	1.85E-03	2.80E-03	8.93E-04	4.98E-06	3.56E-03	4.46E-03
4316	494363.09, 3856877.25	0.04324	0.03919	0.0445	6.64E-04	2.85E-06	1.19E-03	0.00186	6.78E-04	2.81E-06	1.33E-03	2.01E-03	6.44E-04	3.56E-06	2.55E-03	3.20E-03
4317	494863.09, 3856877.25	0.03599	0.03263	0.03698	5.52E-04	2.38E-06	9.92E-04	0.001546	5.64E-04	2.34E-06	1.10E-03	1.67E-03	5.36E-04	2.97E-06	2.12E-03	2.66E-03
4318	495363.09, 3856877.25	0.03184	0.02895	0.03267	4.89E-04	2.11E-06	8.76E-04	0.001367	4.99E-04	2.07E-06	9.75E-04	1.48E-03	4.74E-04	2.63E-06	1.87E-03	2.35E-03
4319	495863.09, 3856877.25	0.03035	0.02774	0.03122	4.66E-04	2.02E-06	8.37E-04	0.001305	4.76E-04	1.99E-06	9.31E-04	1.41E-03	4.52E-04	2.52E-06	1.79E-03	2.24E-03
4320	496363.09, 3856877.25	0.02945	0.02704	0.03025	4.52E-04	1.97E-06	8.11E-04	0.001265	4.62E-04	1.94E-06	9.02E-04	1.37E-03	4.39E-04	2.46E-06	1.73E-03	2.17E-03
4321	496863.09, 3856877.25	0.02962	0.02734	0.03045	4.55E-04	1.99E-06	8.17E-04	0.001273	4.64E-04	1.96E-06	9.08E-04	1.37E-03	4.41E-04	2.49E-06	1.74E-03	2.19E-03
4322	497363.09, 3856877.25	0.03067	0.02848	0.03159	4.71E-04	2.07E-06	8.47E-04	0.00132	4.81E-04	2.04E-06	9.42E-04	1.43E-03	4.57E-04	2.59E-06	1.81E-03	2.27E-03
4323	497863.09, 3856877.25	0.03385	0.03169	0.03503	5.19E-04	2.31E-06	9.40E-04	0.001461	5.31E-04	2.27E-06	1.05E-03	1.58E-03	5.04E-04	2.88E-06	2.01E-03	2.51E-03
4324	498363.09, 3856877.25	0.03772	0.03552	0.03923	5.79E-04	2.59E-06	1.05E-03	0.001634	5.91E-04	2.55E-06	1.17E-03	1.76E-03	5.62E-04	3.23E-06	2.25E-03	2.81E-03
4325	471363.09, 3857377.25	0.0087	0.00877	0.00868	1.34E-04	6.38E-07	2.33E-04	0.000367	1.36E-04	6.28E-07	2.59E-04	3.96E-04	1.30E-04	7.98E-07	4.97E-04	6.28E-04
4326	471863.09, 3857377.25	0.00891	0.00893	0.0089	1.37E-04	6.50E-07	2.39E-04	0.000376	1.40E-04	6.40E-07	2.66E-04	4.06E-04	1.33E-04	8.12E-07	5.10E-04	6.43E-04
4327	472363.09, 3857377.25	0.00944	0.00944	0.00944	1.45E-04	6.87E-07	2.53E-04	0.000399	1.48E-04	6.76E-07	2.82E-04	4.30E-04	1.41E-04	8.59E-07	5.41E-04	6.82E-04
4328	472863.09, 3857377.25	0.01016	0.01017	0.01019	1.56E-04	7.40E-07	2.73E-04	0.00043	1.59E-04	7.29E-07	3.04E-04	4.64E-04	1.51E-04	9.25E-07	5.84E-04	7.36E-04

4329	473363.09, 3857377.25	0.01117	0.01124	0.01123	1.71E-04	8.18E-07	3.01E-04	0.000473	1.75E-04	8.05E-07	3.35E-04	5.11E-04	1.66E-04	1.02E-06	6.43E-04	8.11E-04
4330	473863.09, 3857377.25	0.01249	0.01269	0.01259	1.92E-04	9.24E-07	3.38E-04	0.00053	1.96E-04	9.09E-07	3.76E-04	5.72E-04	1.86E-04	1.15E-06	7.21E-04	9.08E-04
4331	474363.09, 3857377.25	0.01175	0.01193	0.01181	1.80E-04	8.68E-07	3.17E-04	0.000498	1.84E-04	8.55E-07	3.52E-04	5.37E-04	1.75E-04	1.09E-06	6.77E-04	8.53E-04
4332	474863.09, 3857377.25	0.00879	0.00876	0.00871	1.35E-04	6.38E-07	2.34E-04	0.000369	1.38E-04	6.28E-07	2.60E-04	3.98E-04	1.31E-04	7.97E-07	4.99E-04	6.31E-04
4333	475363.09, 3857377.25	0.00617	0.00608	0.00605	9.47E-05	4.43E-07	1.62E-04	0.000257	9.67E-05	4.36E-07	1.80E-04	2.78E-04	9.19E-05	5.53E-07	3.47E-04	4.39E-04
4334	475863.09, 3857377.25	0.00583	0.00573	0.00572	8.95E-05	4.17E-07	1.53E-04	0.000243	9.14E-05	4.11E-07	1.71E-04	2.62E-04	8.69E-05	5.21E-07	3.28E-04	4.15E-04
4335	476363.09, 3857377.25	0.00761	0.00752	0.00747	1.17E-04	5.47E-07	2.00E-04	0.000318	1.19E-04	5.39E-07	2.23E-04	3.43E-04	1.13E-04	6.84E-07	4.28E-04	5.42E-04
4336	476863.09, 3857377.25	0.0083	0.0082	0.00817	1.27E-04	5.97E-07	2.19E-04	0.000347	1.30E-04	5.88E-07	2.44E-04	3.74E-04	1.24E-04	7.46E-07	4.68E-04	5.92E-04
4337	477363.09, 3857377.25	0.00735	0.00697	0.0072	1.13E-04	5.07E-07	1.93E-04	0.000306	1.15E-04	4.99E-07	2.15E-04	3.31E-04	1.09E-04	6.34E-07	4.12E-04	5.23E-04
4338	477863.09, 3857377.25	0.00581	0.00532	0.00565	8.92E-05	3.87E-07	1.52E-04	0.000241	9.11E-05	3.81E-07	1.69E-04	2.60E-04	8.66E-05	4.84E-07	3.24E-04	4.11E-04
4339	478363.09, 3857377.25	0.00472	0.00428	0.0046	7.24E-05	3.12E-07	1.23E-04	0.000196	7.40E-05	3.07E-07	1.37E-04	2.12E-04	7.03E-05	3.89E-07	2.64E-04	3.34E-04
4340	478863.09, 3857377.25	0.00422	0.00385	0.00411	6.48E-05	2.80E-07	1.10E-04	0.000175	6.62E-05	2.76E-07	1.23E-04	1.89E-04	6.29E-05	3.50E-07	2.35E-04	2.99E-04
4341	479363.09, 3857377.25	0.00657	0.00628	0.00632	1.01E-04	4.57E-07	1.70E-04	0.000271	1.03E-04	4.50E-07	1.89E-04	2.92E-04	9.79E-05	5.71E-07	3.62E-04	4.60E-04
4342	479863.09, 3857377.25	0.01718	0.01721	0.01644	2.64E-04	1.25E-06	4.41E-04	0.000706	2.69E-04	1.23E-06	4.90E-04	7.61E-04	2.56E-04	1.57E-06	9.42E-04	1.20E-03
4343	480363.09, 3857377.25	0.01451	0.01393	0.01383	2.23E-04	1.01E-06	3.71E-04	0.000595	2.28E-04	9.98E-07	4.13E-04	6.41E-04	2.16E-04	1.27E-06	7.92E-04	1.01E-03
4344	480863.09, 3857377.25	0.05446	0.0539	0.05428	8.36E-04	3.92E-06	1.46E-03	0.002295	8.54E-04	3.86E-06	1.62E-03	2.48E-03	8.11E-04	4.90E-06	3.11E-03	3.93E-03
4345	481363.09, 3857377.25	0.06162	0.06091	0.06165	9.46E-04	4.43E-06	1.65E-03	0.002603	9.66E-04	4.36E-06	1.84E-03	2.81E-03	9.18E-04	5.54E-06	3.53E-03	4.46E-03
4346	481863.09, 3857377.25	0.08158	0.08182	0.08089	1.25E-03	5.96E-06	2.17E-03	0.003427	1.28E-03	5.86E-06	2.41E-03	3.70E-03	1.22E-03	7.44E-06	4.63E-03	5.86E-03
4347	482363.09, 3857377.25	0.10624	0.10262	0.10277	1.63E-03	7.47E-06	2.76E-03	0.004394	1.67E-03	7.35E-06	3.07E-03	4.74E-03	1.58E-03	9.33E-06	5.89E-03	7.48E-03
4348	482863.09, 3857377.25	0.12449	0.10913	0.11806	1.91E-03	7.94E-06	3.17E-03	0.005085	1.95E-03	7.82E-06	3.52E-03	5.48E-03	1.85E-03	9.93E-06	6.76E-03	8.63E-03
4349	483363.09, 3857377.25	0.14816	0.11388	0.13828	2.27E-03	8.29E-06	3.71E-03	0.005991	2.32E-03	8.16E-06	4.13E-03	6.46E-03	2.21E-03	1.04E-05	7.92E-03	1.01E-02
4350	483863.09, 3857377.25	0.18082	0.11595	0.16688	2.77E-03	8.44E-06	4.48E-03	0.007259	2.84E-03	8.31E-06	4.98E-03	7.82E-03	2.69E-03	1.05E-05	9.56E-03	1.23E-02
4351	484363.09, 3857377.25	0.2249	0.13115	0.20422	3.45E-03	9.55E-06	5.48E-03	0.008938	3.53E-03	9.40E-06	6.09E-03	9.63E-03	3.35E-03	1.19E-05	1.17E-02	1.51E-02
4352	484863.09, 3857377.25	0.29218	0.15472	0.26091	4.48E-03	1.13E-05	7.00E-03	0.011493	4.58E-03	1.11E-05	7.78E-03	1.24E-02	4.35E-03	1.41E-05	1.49E-02	1.93E-02
4353	485363.09, 3857377.25	0.40575	0.2051	0.35489	6.23E-03	1.49E-05	9.52E-03	0.01576	6.36E-03	1.47E-05	1.06E-02	1.70E-02	6.04E-03	1.87E-05	2.03E-02	2.64E-02
4354	485863.09, 3857377.25	0.66921	0.32755	0.57148	1.03E-02	2.38E-05	1.53E-02	0.02562	1.05E-02	2.35E-05	1.70E-02	2.76E-02	9.97E-03	2.98E-05	3.27E-02	4.27E-02
4355	486363.09, 3857377.25	3.0405	1.12641	2.63461	4.67E-02	8.20E-05	7.07E-02	0.117401	4.77E-02	8.07E-05	7.86E-02	1.26E-01	4.53E-02	1.02E-04	1.51E-01	1.96E-01
4356	486863.09, 3857377.25	2.90509	11.02452	2.96418	4.46E-02	8.02E-04	7.95E-02	0.124882	4.55E-02	7.90E-04	8.84E-02	1.35E-01	4.33E-02	1.00E-03	1.70E-01	2.14E-01
4357	487363.09, 3857377.25	1.30123	3.80694	1.4848	2.00E-02	2.77E-04	3.98E-02	0.060068	2.04E-02	2.73E-04	4.43E-02	6.50E-02	1.94E-02	3.46E-04	8.51E-02	1.05E-01
4358	487863.09, 3857377.25	0.88149	1.63896	0.99951	1.35E-02	1.19E-04	2.68E-02	0.040453	1.38E-02	1.17E-04	2.98E-02	4.38E-02	1.31E-02	1.49E-04	5.73E-02	7.05E-02
4359	488363.09, 3857377.25	0.66762	0.92685	0.7432	1.02E-02	6.75E-05	1.99E-02	0.030245	1.05E-02	6.64E-05	2.22E-02	3.27E-02	9.95E-03	8.43E-05	4.26E-02	5.26E-02
4360	488863.09, 3857377.25	0.5315	0.61671	0.58636	8.16E-03	4.49E-05	1.57E-02	0.023927	8.33E-03	4.42E-05	1.75E-02	2.59E-02	7.92E-03	5.61E-05	3.36E-02	4.16E-02
4361	489363.09, 3857377.25	0.43666	0.45315	0.48027	6.70E-03	3.30E-05	1.29E-02	0.019615	6.85E-03	3.25E-05	1.43E-02	2.12E-02	6.50E-03	4.12E-05	2.75E-02	3.41E-02
4362	489863.09, 3857377.25	0.36518	0.35349	0.4016	5.60E-03	2.57E-05	1.08E-02	0.016401	5.73E-03	2.53E-05	1.20E-02	1.77E-02	5.44E-03	3.22E-05	2.30E-02	2.85E-02
4363	490363.09, 3857377.25	0.30992	0.28773	0.33888	4.76E-03	2.09E-05	9.09E-03	0.013866	4.86E-03	2.06E-05	1.01E-02	1.50E-02	4.62E-03	2.62E-05	1.94E-02	2.41E-02
4364	490863.09, 3857377.25	0.26676	0.24104	0.2901	4.09E-03	1.75E-05	7.78E-03	0.011892	4.18E-03	1.73E-05	8.65E-03	1.29E-02	3.97E-03	2.19E-05	1.66E-02	2.06E-02
4365	491363.09, 3857377.25	0.2322	0.2064	0.25119	3.56E-03	1.50E-05	6.74E-03	0.010315	3.64E-03	1.48E-05	7.49E-03	1.11E-02	3.46E-03	1.88E-05	1.44E-02	1.79E-02
4366	491863.09, 3857377.25	0.19808	0.17526	0.21408	3.04E-03	1.28E-05	5.74E-03	0.008794	3.11E-03	1.26E-05	6.39E-03	9.50E-03	2.95E-03	1.59E-05	1.23E-02	1.52E-02
4367	492363.09, 3857377.25	0.14453	0.12762	0.15498	2.22E-03	9.29E-06	4.16E-03	0.006384	2.27E-03	9.14E-06	4.62E-03	6.90E-03	2.15E-03	1.16E-05	8.88E-03	1.10E-02
4368	492863.09, 3857377.25	0.09981	0.08718	0.1049	1.53E-03	6.35E-06	2.81E-03	0.004351	1.56E-03	6.25E-06	3.13E-03	4.70E-03	1.49E-03	7.93E-06	6.01E-03	7.50E-03
4369	493363.09, 3857377.25	0.06877	0.06009	0.07134	1.06E-03	4.37E-06	1.91E-03	0.002973	1.08E-03	4.31E-06	2.13E-03	3.21E-03	1.02E-03	5.47E-06	4.09E-03	5.12E-03
4370	493863.09, 3857377.25	0.05636	0.04961	0.05813	8.65E-04	3.61E-06	1.56E-03	0.002428	8.84E-04	3.55E-06	1.73E-03	2.62E-03	8.40E-04	4.51E-06	3.33E-03	4.17E-03
4371	494363.09, 3857377.25	0.0456	0.04041	0.04679	7.00E-04	2.94E-06	1.25E-03	0.001958	7.15E-04	2.90E-06	1.40E-03	2.11E-03	6.79E-04	3.68E-06	2.68E-03	3.36E-03
4372	494863.09, 3857377.25	0.04024	0.03593	0.04121	6.17E-04	2.62E-06	1.11E-03	0.001725	6.31E-04	2.57E-06	1.23E-03	1.86E-03	5.99E-04	3.27E-06	2.36E-03	2.96E-03
4373	495363.09, 3857377.25	0.03608	0.03246	0.03692	5.54E-04	2.36E-06	9.90E-04	0.001546	5.66E-04	2.33E-06	1.10E-03	1.67E-03	5.37E-04	2.95E-06	2.11E-03	2.66E-03
4374	495863.09, 3857377.25	0.03437	0.03113	0.03519	5.27E-04	2.27E-06	9.44E-04	0.001473	5.39E-04	2.23E-06	1.05E-03	1.59E-03	5.12E-04	2.83E-06	2.02E-03	2.53E-03
4375	496363.09, 3857377.25	0.03332	0.03037	0.03416	5.11E-04	2.21E-06	9.16E-04	0.00143	5.22E-04	2.18E-06	1.02E-03	1.54E-03	4.96E-04	2.76E-06	1.96E-03	2.46E-03
4376	496863.09, 3857377.25	0.03283	0.03009	0.03373	5.04E-04	2.19E-06	9.05E-04	0.001411	5.15E-04	2.16E-06	1.01E-03	1.52E-03	4.89E-04	2.74E-06	1.93E-03	2.42E-03
4377	497363.09, 3857377.25	0.03382	0.03128	0.03488	5.19E-04	2.28E-06	9.35E-04	0.001457	5.30E-04	2.24E-06	1.04E-03	1.57E-03	5.04E-04	2.85E-06	2.00E-03	2.50E-03
4378	497863.09, 3857377.25	0.03603	0.03357	0.0373	5.53E-04	2.44E-06	1.00E-03	0.001556	5.65E-04	2.41E-06	1.11E-03	1.68E-03	5.37E-04	3.05E-06	2.14E-03	2.68E-03
4379	498363.09, 3857377.25	0.0428	0.04028	0.04468	6.57E-04	2.93E-06	1.20E-03	0.001858	6.71E-04	2.89E-06	1.33E-03	2.01E-03	6.38E-04	3.66E-06	2.56E-03	3.20E-03
4380	471363.09, 3857877.25	0.00875	0.00827	0.00877	1.34E-04	6.02E-07	2.35E-04	0.00037	1.37E-04	5.93E-07	2.62E-04	3.99E-04	1.30E-04	7.52E-07	5.02E-04	6.33E-04
4381	471863.09, 3857877.25	0.00908	0.00864	0.00912	1.39E-04	6.29E-07	2.45E-04	0.000385	1.42E-04	6.19E-07	2.72E-04	4.15E-04	1.35E-04	7.86E-07	5.22E-04	6.58E-04
4382	472363.09, 3857877.25	0.00965	0.00928	0.0097	1.48E-04	6.76E-07	2.60E-04	0.000409	1.51E-04	6.65E-07	2.89E-04	4.41E-04	1.44E-04	8.44E-07	5.56E-04	7.00E-04
4383	472863.09, 3857877.25	0.01065	0.01043	0.01072	1.63E-04	7.59E-07	2.88E-04	0.000452	1.67E-04	7.47E-07	3.20E-04	4.88E-04	1.59E-04	9.49E-07	6.14E-04	7.74E-04
4384	473363.09, 3857877.25	0.01138	0.01138	0.01144	1.75E-04	8.28E-07	3.07E-04	0.000482	1.78E-04	8.15E-07	3.41E-04	5.21E-04	1.70E-04	1.04E-06	6.55E-04	8.26E-04
4385	473863.09, 3857877.25	0.01253	0.0129	0.01257	1.92E-04	9.39E-07	3.37E-04	0.00053	1.96E-04	9.24E-07	3.75E-04	5.72E-04	1.87E-04	1.17E-06	7.20E-04	9.08E-04

4386	474363.09, 3857877.25	0.01142	0.01169	0.01137	1.75E-04	8.51E-07	3.05E-04	0.000481	1.79E-04	8.38E-07	3.39E-04	5.19E-04	1.70E-04	1.06E-06	6.51E-04	8.23E-04
4387	474863.09, 3857877.25	0.00816	0.00798	0.00801	1.25E-04	5.81E-07	2.15E-04	0.000341	1.28E-04	5.72E-07	2.39E-04	3.67E-04	1.22E-04	7.26E-07	4.59E-04	5.81E-04
4388	475363.09, 3857877.25	0.0047	0.00445	0.0046	7.21E-05	3.24E-07	1.23E-04	0.000196	7.37E-05	3.19E-07	1.37E-04	2.11E-04	7.00E-05	4.05E-07	2.64E-04	3.34E-04
4389	475863.09, 3857877.25	0.00244	0.00212	0.00237	3.74E-05	1.54E-07	6.36E-05	0.000101	3.83E-05	1.52E-07	7.07E-05	1.09E-04	3.63E-05	1.93E-07	1.36E-04	1.72E-04
4390	476363.09, 3857877.25	0.00542	0.005	0.00531	8.32E-05	3.64E-07	1.42E-04	0.000226	8.50E-05	3.58E-07	1.58E-04	2.44E-04	8.07E-05	4.55E-07	3.04E-04	3.85E-04
4391	476863.09, 3857877.25	0.00684	0.00631	0.00667	1.05E-04	4.59E-07	1.79E-04	0.000284	1.07E-04	4.52E-07	1.99E-04	3.07E-04	1.02E-04	5.74E-07	3.82E-04	4.85E-04
4392	477363.09, 3857877.25	0.00676	0.00636	0.00655	1.04E-04	4.63E-07	1.76E-04	0.00028	1.06E-04	4.56E-07	1.95E-04	3.02E-04	1.01E-04	5.79E-07	3.75E-04	4.76E-04
4393	477863.09, 3857877.25	0.00665	0.00645	0.00644	1.02E-04	4.70E-07	1.73E-04	0.000275	1.04E-04	4.62E-07	1.92E-04	2.97E-04	9.91E-05	5.87E-07	3.69E-04	4.69E-04
4394	478363.09, 3857877.25	0.00399	0.00372	0.00381	6.12E-05	2.71E-07	1.02E-04	0.000164	6.26E-05	2.67E-07	1.14E-04	1.76E-04	5.94E-05	3.38E-07	2.18E-04	2.78E-04
4395	478863.09, 3857877.25	0.00343	0.00311	0.00323	5.26E-05	2.26E-07	8.66E-05	0.000139	5.38E-05	2.23E-07	9.64E-05	1.50E-04	5.11E-05	2.83E-07	1.85E-04	2.36E-04
4396	479363.09, 3857877.25	0.01554	0.01494	0.01488	2.38E-04	1.09E-06	3.99E-04	0.000639	2.44E-04	1.07E-06	4.44E-04	6.89E-04	2.32E-04	1.36E-06	8.52E-04	1.09E-03
4397	479863.09, 3857877.25	0.03316	0.03195	0.03296	5.09E-04	2.33E-06	8.84E-04	0.001395	5.20E-04	2.29E-06	9.83E-04	1.51E-03	4.94E-04	2.91E-06	1.89E-03	2.38E-03
4398	480363.09, 3857877.25	0.04368	0.04183	0.04374	6.70E-04	3.04E-06	1.17E-03	0.001846	6.85E-04	3.00E-06	1.30E-03	1.99E-03	6.51E-04	3.80E-06	2.51E-03	3.16E-03
4399	480863.09, 3857877.25	0.0502	0.04813	0.05038	7.70E-04	3.50E-06	1.35E-03	0.002125	7.87E-04	3.45E-06	1.50E-03	2.29E-03	7.48E-04	4.38E-06	2.89E-03	3.64E-03
4400	481363.09, 3857877.25	0.05813	0.05689	0.05839	8.92E-04	4.14E-06	1.57E-03	0.002462	9.11E-04	4.08E-06	1.74E-03	2.66E-03	8.66E-04	5.17E-06	3.34E-03	4.22E-03
4401	481863.09, 3857877.25	0.07027	0.06941	0.06987	1.08E-03	5.05E-06	1.87E-03	0.002957	1.10E-03	4.97E-06	2.08E-03	3.19E-03	1.05E-03	6.31E-06	4.00E-03	5.06E-03
4402	482363.09, 3857877.25	0.08932	0.08227	0.08704	1.37E-03	5.99E-06	2.33E-03	0.003711	1.40E-03	5.89E-06	2.60E-03	4.00E-03	1.33E-03	7.48E-06	4.99E-03	6.32E-03
4403	482863.09, 3857877.25	0.10406	0.08643	0.09851	1.60E-03	6.29E-06	2.64E-03	0.004245	1.63E-03	6.19E-06	2.94E-03	4.58E-03	1.55E-03	7.86E-06	5.64E-03	7.20E-03
4404	483363.09, 3857877.25	0.12033	0.09139	0.11242	1.85E-03	6.65E-06	3.02E-03	0.004868	1.89E-03	6.55E-06	3.35E-03	5.25E-03	1.79E-03	8.31E-06	6.44E-03	8.24E-03
4405	483863.09, 3857877.25	0.14139	0.09424	0.13094	2.17E-03	6.86E-06	3.51E-03	0.005688	2.22E-03	6.75E-06	3.91E-03	6.13E-03	2.11E-03	8.57E-06	7.50E-03	9.62E-03
4406	484363.09, 3857877.25	0.16792	0.10684	0.15403	2.58E-03	7.78E-06	4.13E-03	0.006716	2.63E-03	7.66E-06	4.60E-03	7.24E-03	2.50E-03	9.72E-06	8.82E-03	1.13E-02
4407	484863.09, 3857877.25	0.2047	0.13009	0.1859	3.14E-03	9.47E-06	4.99E-03	0.008137	3.21E-03	9.32E-06	5.55E-03	8.76E-03	3.05E-03	1.18E-05	1.06E-02	1.37E-02
4408	485363.09, 3857877.25	0.25717	0.17303	0.23136	3.95E-03	1.26E-05	6.21E-03	0.010164	4.03E-03	1.24E-05	6.90E-03	1.09E-02	3.83E-03	1.57E-05	1.33E-02	1.71E-02
4409	485863.09, 3857877.25	0.34279	0.25703	0.30529	5.26E-03	1.87E-05	8.19E-03	0.013467	5.37E-03	1.84E-05	9.11E-03	1.45E-02	5.11E-03	2.34E-05	1.75E-02	2.26E-02
4410	486363.09, 3857877.25	0.50919	0.42348	0.45237	7.81E-03	3.08E-05	1.21E-02	0.019977	7.98E-03	3.03E-05	1.35E-02	2.15E-02	7.59E-03	3.85E-05	2.59E-02	3.35E-02
4411	486863.09, 3857877.25	1.12529	0.59786	1.01402	1.73E-02	4.35E-05	2.72E-02	0.044508	1.76E-02	4.28E-05	3.03E-02	4.79E-02	1.68E-02	5.44E-05	5.81E-02	7.49E-02
4412	487363.09, 3857877.25	3.49459	0.77991	2.99983	5.36E-02	5.68E-05	8.05E-02	0.134139	5.48E-02	5.59E-05	8.95E-02	1.44E-01	5.21E-02	7.09E-05	1.72E-01	2.24E-01
4413	487863.09, 3857877.25	1.26002	0.74494	1.49425	1.93E-02	5.42E-05	4.01E-02	0.059466	1.98E-02	5.34E-05	4.46E-02	6.44E-02	1.88E-02	6.78E-05	8.56E-02	1.04E-01
4414	488363.09, 3857877.25	0.79148	0.571	0.90381	1.21E-02	4.16E-05	2.42E-02	0.036428	1.24E-02	4.09E-05	2.70E-02	3.94E-02	1.18E-02	5.19E-05	5.18E-02	6.36E-02
4415	488863.09, 3857877.25	0.58037	0.44406	0.64731	8.91E-03	3.23E-05	1.74E-02	0.026299	9.10E-03	3.18E-05	1.93E-02	2.84E-02	8.65E-03	4.04E-05	3.71E-02	4.58E-02
4416	489363.09, 3857877.25	0.45032	0.35909	0.50219	6.91E-03	2.61E-05	1.35E-02	0.020405	7.06E-03	2.57E-05	1.50E-02	2.21E-02	6.71E-03	3.27E-05	2.88E-02	3.55E-02
4417	489863.09, 3857877.25	0.36325	0.29451	0.40145	5.57E-03	2.14E-05	1.08E-02	0.016363	5.70E-03	2.11E-05	1.20E-02	1.77E-02	5.41E-03	2.68E-05	2.30E-02	2.84E-02
4418	490363.09, 3857877.25	0.30333	0.24527	0.32988	4.65E-03	1.79E-05	8.85E-03	0.01352	4.76E-03	1.76E-05	9.84E-03	1.46E-02	4.52E-03	2.23E-05	1.89E-02	2.34E-02
4419	490863.09, 3857877.25	0.25818	0.20886	0.27738	3.96E-03	1.52E-05	7.44E-03	0.011416	4.05E-03	1.50E-05	8.27E-03	1.23E-02	3.85E-03	1.90E-05	1.59E-02	1.98E-02
4420	491363.09, 3857877.25	0.21687	0.17786	0.23343	3.33E-03	1.29E-05	6.26E-03	0.009602	3.40E-03	1.27E-05	6.96E-03	1.04E-02	3.23E-03	1.62E-05	1.34E-02	1.66E-02
4421	491863.09, 3857877.25	0.17583	0.1467	0.18988	2.70E-03	1.07E-05	5.09E-03	0.007801	2.76E-03	1.05E-05	5.66E-03	8.43E-03	2.62E-03	1.33E-05	1.09E-02	1.35E-02
4422	492363.09, 3857877.25	0.12043	0.10042	0.12775	1.85E-03	7.31E-06	3.43E-03	0.005282	1.89E-03	7.20E-06	3.81E-03	5.71E-03	1.79E-03	9.13E-06	7.32E-03	9.12E-03
4423	492863.09, 3857877.25	0.08187	0.06747	0.08516	1.26E-03	4.91E-06	2.28E-03	0.003545	1.28E-03	4.83E-06	2.54E-03	3.83E-03	1.22E-03	6.14E-06	4.88E-03	6.10E-03
4424	493363.09, 3857877.25	0.06643	0.05469	0.06865	1.02E-03	3.98E-06	1.84E-03	0.002865	1.04E-03	3.92E-06	2.05E-03	3.09E-03	9.90E-04	4.97E-06	3.93E-03	4.93E-03
4425	493863.09, 3857877.25	0.05806	0.04795	0.05982	8.91E-04	3.49E-06	1.60E-03	0.002499	9.10E-04	3.44E-06	1.78E-03	2.70E-03	8.65E-04	4.36E-06	3.43E-03	4.30E-03
4426	494363.09, 3857877.25	0.05205	0.04331	0.05354	7.99E-04	3.15E-06	1.44E-03	0.002238	8.16E-04	3.10E-06	1.60E-03	2.42E-03	7.75E-04	3.94E-06	3.07E-03	3.85E-03
4427	494863.09, 3857877.25	0.04416	0.03705	0.04524	6.78E-04	2.70E-06	1.21E-03	0.001894	6.92E-04	2.65E-06	1.35E-03	2.04E-03	6.58E-04	3.37E-06	2.59E-03	3.25E-03
4428	495363.09, 3857877.25	0.04089	0.03479	0.04188	6.27E-04	2.53E-06	1.12E-03	0.001753	6.41E-04	2.49E-06	1.25E-03	1.89E-03	6.09E-04	3.16E-06	2.40E-03	3.01E-03
4429	495863.09, 3857877.25	0.0381	0.0329	0.03903	5.85E-04	2.39E-06	1.05E-03	0.001634	5.97E-04	2.36E-06	1.16E-03	1.76E-03	5.68E-04	2.99E-06	2.24E-03	2.81E-03
4430	496363.09, 3857877.25	0.03752	0.03295	0.03852	5.76E-04	2.40E-06	1.03E-03	0.001611	5.88E-04	2.36E-06	1.15E-03	1.74E-03	5.59E-04	3.00E-06	2.21E-03	2.77E-03
4431	496863.09, 3857877.25	0.03711	0.03307	0.03816	5.69E-04	2.41E-06	1.02E-03	0.001595	5.82E-04	2.37E-06	1.14E-03	1.72E-03	5.53E-04	3.01E-06	2.19E-03	2.74E-03
4432	497363.09, 3857877.25	0.03612	0.03255	0.03722	5.54E-04	2.37E-06	9.98E-04	0.001555	5.66E-04	2.33E-06	1.11E-03	1.68E-03	5.38E-04	2.96E-06	2.13E-03	2.67E-03
4433	497863.09, 3857877.25	0.04026	0.03679	0.04174	6.18E-04	2.68E-06	1.12E-03	0.00174	6.31E-04	2.64E-06	1.25E-03	1.88E-03	6.00E-04	3.35E-06	2.39E-03	2.99E-03
4434	498363.09, 3857877.25	0.04441	0.04098	0.04632	6.81E-04	2.98E-06	1.24E-03	0.001927	6.96E-04	2.94E-06	1.38E-03	2.08E-03	6.62E-04	3.73E-06	2.65E-03	3.32E-03
4435	471363.09, 3858377.25	0.00916	0.0093	0.00916	1.41E-04	6.77E-07	2.46E-04	0.000387	1.44E-04	6.66E-07	2.73E-04	4.18E-04	1.36E-04	8.46E-07	5.25E-04	6.62E-04
4436	471863.09, 3858377.25	0.00955	0.00988	0.00954	1.47E-04	7.19E-07	2.56E-04	0.000403	1.50E-04	7.08E-07	2.85E-04	4.35E-04	1.42E-04	8.99E-07	5.46E-04	6.90E-04
4437	472363.09, 3858377.25	0.00998	0.01055	0.00995	1.53E-04	7.68E-07	2.67E-04	0.000421	1.56E-04	7.56E-07	2.97E-04	4.54E-04	1.49E-04	9.60E-07	5.70E-04	7.20E-04
4438	472863.09, 3858377.25	0.01081	0.01171	0.01075	1.66E-04	8.52E-07	2.88E-04	0.000455	1.69E-04	8.39E-07	3.21E-04	4.91E-04	1.61E-04	1.07E-06	6.16E-04	7.78E-04
4439	473363.09, 3858377.25	0.01238	0.01379	0.01231	1.90E-04	1.00E-06	3.30E-04	0.000521	1.94E-04	9.88E-07	3.67E-04	5.62E-04	1.84E-04	1.25E-06	7.05E-04	8.91E-04
4440	473863.09, 3858377.25	0.01253	0.0139	0.01245	1.92E-04	1.01E-06	3.34E-04	0.000527	1.96E-04	9.96E-07	3.71E-04	5.69E-04	1.87E-04	1.26E-06	7.13E-04	9.01E-04
4441	474363.09, 3858377.25	0.01094	0.01157	0.0108	1.68E-04	8.42E-07	2.90E-04	0.000458	1.72E-04	8.29E-07	3.22E-04	4.95E-04	1.63E-04	1.05E-06	6.19E-04	7.83E-04
4442	474863.09, 3858377.25	0.00849	0.00833	0.00828	1.30E-04	6.06E-07	2.22E-04	0.000353	1.33E-04	5.97E-07	2.47E-04	3.81E-04	1.26E-04	7.58E-07	4.74E-04	6.02E-04

4443	475363.09, 3858377.25	0.00565	0.00523	0.00547	8.67E-05	3.81E-07	1.47E-04	0.000234	8.86E-05	3.75E-07	1.63E-04	2.52E-04	8.42E-05	4.76E-07	3.13E-04	3.98E-04
4444	475863.09, 3858377.25	0.00422	0.00384	0.00406	6.48E-05	2.80E-07	1.09E-04	0.000174	6.62E-05	2.75E-07	1.21E-04	1.88E-04	6.29E-05	3.49E-07	2.33E-04	2.96E-04
4445	476363.09, 3858377.25	0.00464	0.00431	0.00445	7.12E-05	3.14E-07	1.19E-04	0.000191	7.28E-05	3.09E-07	1.33E-04	2.06E-04	6.91E-05	3.92E-07	2.55E-04	3.24E-04
4446	476863.09, 3858377.25	0.00521	0.005	0.00499	7.99E-05	3.64E-07	1.34E-04	0.000214	8.17E-05	3.58E-07	1.49E-04	2.31E-04	7.76E-05	4.55E-07	2.86E-04	3.64E-04
4447	477363.09, 3858377.25	0.00498	0.00479	0.00476	7.64E-05	3.49E-07	1.28E-04	0.000204	7.81E-05	3.43E-07	1.42E-04	2.20E-04	7.42E-05	4.36E-07	2.73E-04	3.47E-04
4448	477863.09, 3858377.25	0.00666	0.00654	0.00639	1.02E-04	4.76E-07	1.71E-04	0.000274	1.04E-04	4.69E-07	1.91E-04	2.96E-04	9.92E-05	5.95E-07	3.66E-04	4.66E-04
4449	478363.09, 3858377.25	0.00727	0.007	0.00693	1.12E-04	5.10E-07	1.86E-04	0.000298	1.14E-04	5.02E-07	2.07E-04	3.21E-04	1.08E-04	6.37E-07	3.97E-04	5.06E-04
4450	478863.09, 3858377.25	0.00515	0.00478	0.00483	7.90E-05	3.48E-07	1.30E-04	0.000209	8.07E-05	3.42E-07	1.44E-04	2.25E-04	7.67E-05	4.35E-07	2.77E-04	3.54E-04
4451	479363.09, 3858377.25	0.0163	0.0159	0.01568	2.50E-04	1.16E-06	4.21E-04	0.000672	2.56E-04	1.14E-06	4.68E-04	7.24E-04	2.43E-04	1.45E-06	8.98E-04	1.14E-03
4452	479863.09, 3858377.25	0.03413	0.03302	0.03421	5.24E-04	2.40E-06	9.18E-04	0.001444	5.35E-04	2.37E-06	1.02E-03	1.56E-03	5.08E-04	3.00E-06	1.96E-03	2.47E-03
4453	480363.09, 3858377.25	0.04279	0.04091	0.04278	6.57E-04	2.98E-06	1.15E-03	0.001807	6.71E-04	2.93E-06	1.28E-03	1.95E-03	6.37E-04	3.72E-06	2.45E-03	3.09E-03
4454	480863.09, 3858377.25	0.04801	0.04642	0.04812	7.37E-04	3.38E-06	1.29E-03	0.002031	7.53E-04	3.33E-06	1.44E-03	2.19E-03	7.15E-04	4.22E-06	2.76E-03	3.48E-03
4455	481363.09, 3858377.25	0.0551	0.05349	0.05482	8.46E-04	3.89E-06	1.47E-03	0.00232	8.64E-04	3.83E-06	1.64E-03	2.50E-03	8.21E-04	4.87E-06	3.14E-03	3.97E-03
4456	481863.09, 3858377.25	0.06208	0.05896	0.0617	9.53E-04	4.29E-06	1.65E-03	0.002612	9.73E-04	4.22E-06	1.84E-03	2.82E-03	9.25E-04	5.36E-06	3.53E-03	4.46E-03
4457	482363.09, 3858377.25	0.07234	0.0635	0.07148	1.11E-03	4.62E-06	1.92E-03	0.003032	1.13E-03	4.55E-06	2.13E-03	3.27E-03	1.08E-03	5.78E-06	4.09E-03	5.18E-03
4458	482863.09, 3858377.25	0.08857	0.07261	0.08589	1.36E-03	5.29E-06	2.30E-03	0.003668	1.39E-03	5.20E-06	2.56E-03	3.96E-03	1.32E-03	6.60E-06	4.92E-03	6.25E-03
4459	483363.09, 3858377.25	0.10046	0.07712	0.09436	1.54E-03	5.61E-06	2.53E-03	0.004078	1.58E-03	5.53E-06	2.81E-03	4.40E-03	1.50E-03	7.01E-06	5.41E-03	6.91E-03
4460	483863.09, 3858377.25	0.11239	0.08074	0.10434	1.72E-03	5.88E-06	2.80E-03	0.004529	1.76E-03	5.79E-06	3.11E-03	4.88E-03	1.67E-03	7.34E-06	5.98E-03	7.66E-03
4461	484363.09, 3858377.25	0.12982	0.09405	0.11993	1.99E-03	6.85E-06	3.22E-03	0.005216	2.04E-03	6.74E-06	3.58E-03	5.62E-03	1.93E-03	8.55E-06	6.87E-03	8.81E-03
4462	484863.09, 3858377.25	0.15073	0.11358	0.1382	2.31E-03	8.27E-06	3.71E-03	0.006028	2.36E-03	8.14E-06	4.12E-03	6.49E-03	2.25E-03	1.03E-05	7.92E-03	1.02E-02
4463	485363.09, 3858377.25	0.17533	0.12482	0.15983	2.69E-03	9.09E-06	4.29E-03	0.006986	2.75E-03	8.94E-06	4.77E-03	7.53E-03	2.61E-03	1.14E-05	9.16E-03	1.18E-02
4464	485863.09, 3858377.25	0.2108	0.15408	0.19049	3.23E-03	1.12E-05	5.11E-03	0.008355	3.31E-03	1.10E-05	5.68E-03	9.00E-03	3.14E-03	1.40E-05	1.09E-02	1.41E-02
4465	486363.09, 3858377.25	0.2605	0.19776	0.23287	4.00E-03	1.44E-05	6.25E-03	0.010257	4.08E-03	1.42E-05	6.95E-03	1.10E-02	3.88E-03	1.80E-05	1.33E-02	1.72E-02
4466	486863.09, 3858377.25	0.33302	0.19211	0.29447	5.11E-03	1.40E-05	7.90E-03	0.013022	5.22E-03	1.38E-05	8.78E-03	1.40E-02	4.96E-03	1.75E-05	1.69E-02	2.18E-02
4467	487363.09, 3858377.25	0.48527	0.20534	0.42579	7.45E-03	1.49E-05	1.14E-02	0.018881	7.61E-03	1.47E-05	1.27E-02	2.03E-02	7.23E-03	1.87E-05	2.44E-02	3.16E-02
4468	487863.09, 3858377.25	1.29633	0.22607	1.49693	1.99E-02	1.65E-05	4.01E-02	0.060057	2.03E-02	1.62E-05	4.47E-02	6.50E-02	1.93E-02	2.06E-05	8.58E-02	1.05E-01
4469	488363.09, 3858377.25	0.88168	0.23059	0.95065	1.35E-02	1.68E-05	2.55E-02	0.039043	1.38E-02	1.65E-05	2.84E-02	4.22E-02	1.31E-02	2.10E-05	5.45E-02	6.76E-02
4470	488863.09, 3858377.25	0.54313	0.23201	0.54061	8.33E-03	1.69E-05	1.45E-02	0.022851	8.52E-03	1.66E-05	1.61E-02	2.47E-02	8.09E-03	2.11E-05	3.10E-02	3.91E-02
4471	489363.09, 3858377.25	0.40526	0.21623	0.4033	6.22E-03	1.57E-05	1.08E-02	0.017051	6.35E-03	1.55E-05	1.20E-02	1.84E-02	6.04E-03	1.97E-05	2.31E-02	2.92E-02
4472	489863.09, 3858377.25	0.32463	0.20011	0.32423	4.98E-03	1.46E-05	8.70E-03	0.013692	5.09E-03	1.43E-05	9.67E-03	1.48E-02	4.84E-03	1.82E-05	1.86E-02	2.34E-02
4473	490363.09, 3858377.25	0.26824	0.18378	0.27121	4.12E-03	1.34E-05	7.27E-03	0.011404	4.21E-03	1.32E-05	8.09E-03	1.23E-02	4.00E-03	1.67E-05	1.55E-02	1.95E-02
4474	490863.09, 3858377.25	0.22718	0.16651	0.23229	3.49E-03	1.21E-05	6.23E-03	0.009728	3.56E-03	1.19E-05	6.93E-03	1.05E-02	3.38E-03	1.51E-05	1.33E-02	1.67E-02
4475	491363.09, 3858377.25	0.18929	0.14696	0.1971	2.90E-03	1.07E-05	5.29E-03	0.008202	2.97E-03	1.05E-05	5.88E-03	8.86E-03	2.82E-03	1.34E-05	1.13E-02	1.41E-02
4476	491863.09, 3858377.25	0.1395	0.11375	0.1478	2.14E-03	8.28E-06	3.96E-03	0.006113	2.19E-03	8.15E-06	4.41E-03	6.60E-03	2.08E-03	1.03E-05	8.47E-03	1.06E-02
4477	492363.09, 3858377.25	0.08935	0.07205	0.09235	1.37E-03	5.24E-06	2.48E-03	0.003853	1.40E-03	5.16E-06	2.76E-03	4.16E-03	1.33E-03	6.55E-06	5.29E-03	6.63E-03
4478	492863.09, 3858377.25	0.09078	0.07428	0.09453	1.39E-03	5.41E-06	2.54E-03	0.003934	1.42E-03	5.32E-06	2.82E-03	4.25E-03	1.35E-03	6.76E-06	5.42E-03	6.77E-03
4479	493363.09, 3858377.25	0.07556	0.06189	0.07816	1.16E-03	4.51E-06	2.10E-03	0.00326	1.18E-03	4.43E-06	2.33E-03	3.52E-03	1.13E-03	5.63E-06	4.48E-03	5.61E-03
4480	493863.09, 3858377.25	0.06711	0.05533	0.06925	1.03E-03	4.03E-06	1.86E-03	0.002891	1.05E-03	3.96E-06	2.07E-03	3.12E-03	1.00E-03	5.03E-06	3.97E-03	4.97E-03
4481	494363.09, 3858377.25	0.0585	0.04836	0.06025	8.98E-04	3.52E-06	1.62E-03	0.002517	9.17E-04	3.47E-06	1.80E-03	2.72E-03	8.71E-04	4.40E-06	3.45E-03	4.33E-03
4482	494863.09, 3858377.25	0.05174	0.04285	0.05321	7.94E-04	3.12E-06	1.43E-03	0.002224	8.11E-04	3.07E-06	1.59E-03	2.40E-03	7.71E-04	3.90E-06	3.05E-03	3.82E-03
4483	495363.09, 3858377.25	0.04485	0.03713	0.04599	6.88E-04	2.70E-06	1.23E-03	0.001924	7.03E-04	2.66E-06	1.37E-03	2.08E-03	6.68E-04	3.38E-06	2.63E-03	3.31E-03
4484	495863.09, 3858377.25	0.04289	0.03575	0.04404	6.58E-04	2.60E-06	1.18E-03	0.001842	6.72E-04	2.56E-06	1.31E-03	1.99E-03	6.39E-04	3.25E-06	2.52E-03	3.17E-03
4485	496363.09, 3858377.25	0.04074	0.03429	0.04186	6.25E-04	2.50E-06	1.12E-03	0.00175	6.39E-04	2.46E-06	1.25E-03	1.89E-03	6.07E-04	3.12E-06	2.40E-03	3.01E-03
4486	496863.09, 3858377.25	0.04162	0.03557	0.0429	6.39E-04	2.59E-06	1.15E-03	0.001792	6.53E-04	2.55E-06	1.28E-03	1.93E-03	6.20E-04	3.24E-06	2.46E-03	3.08E-03
4487	497363.09, 3858377.25	0.04091	0.03556	0.04226	6.28E-04	2.59E-06	1.13E-03	0.001764	6.41E-04	2.55E-06	1.26E-03	1.90E-03	6.09E-04	3.23E-06	2.42E-03	3.03E-03
4488	497863.09, 3858377.25	0.04418	0.03927	0.04584	6.78E-04	2.86E-06	1.23E-03	0.00191	6.93E-04	2.81E-06	1.37E-03	2.06E-03	6.58E-04	3.57E-06	2.63E-03	3.29E-03
4489	498363.09, 3858377.25	0.04871	0.04434	0.05088	7.47E-04	3.23E-06	1.36E-03	0.002115	7.64E-04	3.18E-06	1.52E-03	2.28E-03	7.26E-04	4.03E-06	2.91E-03	3.64E-03
4490	471363.09, 3858877.25	0.00942	0.0105	0.0094	1.45E-04	7.64E-07	2.52E-04	0.000397	1.48E-04	7.52E-07	2.80E-04	4.29E-04	1.40E-04	9.55E-07	5.38E-04	6.80E-04
4491	471863.09, 3858877.25	0.00977	0.01102	0.00972	1.50E-04	8.02E-07	2.61E-04	0.000411	1.53E-04	7.90E-07	2.90E-04	4.44E-04	1.46E-04	1.00E-06	5.57E-04	7.03E-04
4492	472363.09, 3858877.25	0.01064	0.0121	0.01058	1.63E-04	8.81E-07	2.84E-04	0.000448	1.67E-04	8.67E-07	3.16E-04	4.83E-04	1.59E-04	1.10E-06	6.06E-04	7.66E-04
4493	472863.09, 3858877.25	0.01144	0.01292	0.0114	1.76E-04	9.40E-07	3.06E-04	0.000482	1.79E-04	9.26E-07	3.40E-04	5.20E-04	1.70E-04	1.18E-06	6.53E-04	8.25E-04
4494	473363.09, 3858877.25	0.01271	0.01419	0.01274	1.95E-04	1.03E-06	3.42E-04	0.000538	1.99E-04	1.02E-06	3.80E-04	5.80E-04	1.89E-04	1.29E-06	7.30E-04	9.20E-04
4495	473863.09, 3858877.25	0.01299	0.01403	0.01307	1.99E-04	1.02E-06	3.51E-04	0.000551	2.04E-04	1.01E-06	3.90E-04	5.95E-04	1.94E-04	1.28E-06	7.49E-04	9.44E-04
4496	474363.09, 3858877.25	0.01183	0.01212	0.01181	1.82E-04	8.82E-07	3.17E-04	0.000499	1.85E-04	8.68E-07	3.52E-04	5.39E-04	1.76E-04	1.10E-06	6.77E-04	8.54E-04
4497	474863.09, 3858877.25	0.00543	0.00506	0.00525	8.33E-05	3.68E-07	1.41E-04	0.000225	8.51E-05	3.63E-07	1.57E-04	2.42E-04	8.09E-05	4.60E-07	3.01E-04	3.82E-04
4498	475363.09, 3858877.25	0.00411	0.00382	0.00393	6.31E-05	2.78E-07	1.05E-04	0.000169	6.44E-05	2.74E-07	1.17E-04	1.82E-04	6.12E-05	3.47E-07	2.25E-04	2.87E-04
4499	475863.09, 3858877.25	0.00474	0.00457	0.00456	7.27E-05	3.33E-07	1.22E-04	0.000195	7.43E-05	3.27E-07	1.36E-04	2.11E-04	7.06E-05	4.16E-07	2.61E-04	3.32E-04

4500	476363.09, 3858877.25	0.00313	0.00289	0.00296	4.80E-05	2.10E-07	7.94E-05	0.000128	4.91E-05	2.07E-07	8.83E-05	1.38E-04	4.66E-05	2.63E-07	1.70E-04	2.16E-04
4501	476863.09, 3858877.25	0.00395	0.00376	0.00376	6.06E-05	2.74E-07	1.01E-04	0.000162	6.19E-05	2.69E-07	1.12E-04	1.74E-04	5.88E-05	3.42E-07	2.15E-04	2.75E-04
4502	477363.09, 3858877.25	0.0041	0.00383	0.00388	6.29E-05	2.79E-07	1.04E-04	0.000167	6.43E-05	2.74E-07	1.16E-04	1.80E-04	6.11E-05	3.48E-07	2.22E-04	2.84E-04
4503	477863.09, 3858877.25	0.00513	0.00482	0.00484	7.87E-05	3.51E-07	1.30E-04	0.000209	8.04E-05	3.45E-07	1.44E-04	2.25E-04	7.64E-05	4.38E-07	2.77E-04	3.54E-04
4504	478363.09, 3858877.25	0.01064	0.01018	0.01024	1.63E-04	7.41E-07	2.75E-04	0.000439	1.67E-04	7.29E-07	3.05E-04	4.73E-04	1.59E-04	9.26E-07	5.87E-04	7.46E-04
4505	478863.09, 3858877.25	0.009	0.00836	0.00854	1.38E-04	6.09E-07	2.29E-04	0.000368	1.41E-04	5.99E-07	2.55E-04	3.96E-04	1.34E-04	7.60E-07	4.89E-04	6.24E-04
4506	479363.09, 3858877.25	0.00737	0.00632	0.00695	1.13E-04	4.60E-07	1.86E-04	0.0003	1.16E-04	4.53E-07	2.07E-04	3.23E-04	1.10E-04	5.75E-07	3.98E-04	5.08E-04
4507	479863.09, 3858877.25	0.03431	0.03149	0.03452	5.26E-04	2.29E-06	9.26E-04	0.001455	5.38E-04	2.26E-06	1.03E-03	1.57E-03	5.11E-04	2.86E-06	1.98E-03	2.49E-03
4508	480363.09, 3858877.25	0.04039	0.03772	0.04041	6.20E-04	2.75E-06	1.08E-03	0.001706	6.33E-04	2.70E-06	1.21E-03	1.84E-03	6.02E-04	3.43E-06	2.31E-03	2.92E-03
4509	480863.09, 3858877.25	0.04588	0.04321	0.04566	7.04E-04	3.15E-06	1.22E-03	0.001932	7.19E-04	3.10E-06	1.36E-03	2.08E-03	6.83E-04	3.93E-06	2.62E-03	3.30E-03
4510	481363.09, 3858877.25	0.05131	0.0487	0.05066	7.87E-04	3.54E-06	1.36E-03	0.00215	8.04E-04	3.49E-06	1.51E-03	2.32E-03	7.64E-04	4.43E-06	2.90E-03	3.67E-03
4511	481863.09, 3858877.25	0.05772	0.05395	0.05694	8.86E-04	3.93E-06	1.53E-03	0.002417	9.05E-04	3.87E-06	1.70E-03	2.61E-03	8.60E-04	4.91E-06	3.26E-03	4.13E-03
4512	482363.09, 3858877.25	0.06362	0.05655	0.06275	9.76E-04	4.12E-06	1.68E-03	0.002663	9.98E-04	4.05E-06	1.87E-03	2.87E-03	9.48E-04	5.14E-06	3.59E-03	4.55E-03
4513	482863.09, 3858877.25	0.07214	0.0635	0.07078	1.11E-03	4.62E-06	1.90E-03	0.00301	1.13E-03	4.55E-06	2.11E-03	3.25E-03	1.07E-03	5.78E-06	4.05E-03	5.14E-03
4514	483363.09, 3858877.25	0.08325	0.06809	0.07831	1.28E-03	4.96E-06	2.10E-03	0.003383	1.31E-03	4.88E-06	2.34E-03	3.65E-03	1.24E-03	6.19E-06	4.49E-03	5.73E-03
4515	483863.09, 3858877.25	0.09107	0.07057	0.08474	1.40E-03	5.14E-06	2.27E-03	0.003675	1.43E-03	5.06E-06	2.53E-03	3.96E-03	1.36E-03	6.42E-06	4.85E-03	6.22E-03
4516	484363.09, 3858877.25	0.10161	0.07316	0.09423	1.56E-03	5.33E-06	2.53E-03	0.004092	1.59E-03	5.24E-06	2.81E-03	4.41E-03	1.51E-03	6.65E-06	5.40E-03	6.92E-03
4517	484863.09, 3858877.25	0.11382	0.08053	0.10483	1.75E-03	5.86E-06	2.81E-03	0.004564	1.78E-03	5.77E-06	3.13E-03	4.92E-03	1.70E-03	7.33E-06	6.01E-03	7.71E-03
4518	485363.09, 3858877.25	0.12715	0.09041	0.11633	1.95E-03	6.58E-06	3.12E-03	0.005078	1.99E-03	6.48E-06	3.47E-03	5.47E-03	1.89E-03	8.22E-06	6.66E-03	8.57E-03
4519	485863.09, 3858877.25	0.14342	0.1092	0.13104	2.20E-03	7.95E-06	3.51E-03	0.005723	2.25E-03	7.82E-06	3.91E-03	6.17E-03	2.14E-03	9.93E-06	7.51E-03	9.65E-03
4520	486363.09, 3858877.25	0.16021	0.11663	0.14496	2.46E-03	8.49E-06	3.89E-03	0.006355	2.51E-03	8.36E-06	4.32E-03	6.84E-03	2.39E-03	1.06E-05	8.30E-03	1.07E-02
4521	486863.09, 3858877.25	0.18081	0.11042	0.16153	2.77E-03	8.04E-06	4.33E-03	0.007115	2.83E-03	7.91E-06	4.82E-03	7.66E-03	2.69E-03	1.00E-05	9.25E-03	1.20E-02
4522	487363.09, 3858877.25	0.21177	0.11696	0.18469	3.25E-03	8.51E-06	4.95E-03	0.008212	3.32E-03	8.38E-06	5.51E-03	8.84E-03	3.15E-03	1.06E-05	1.06E-02	1.37E-02
4523	487863.09, 3858877.25	0.24415	0.12408	0.20056	3.75E-03	9.03E-06	5.38E-03	0.009135	3.83E-03	8.89E-06	5.98E-03	9.82E-03	3.64E-03	1.13E-05	1.15E-02	1.51E-02
4524	488363.09, 3858877.25	0.31974	0.12855	0.21347	4.91E-03	9.36E-06	5.73E-03	0.010641	5.01E-03	9.21E-06	6.37E-03	1.14E-02	4.76E-03	1.17E-05	1.22E-02	1.70E-02
4525	488863.09, 3858877.25	1.13497	0.12412	0.2191	1.74E-02	9.03E-06	5.88E-03	0.023302	1.78E-02	8.89E-06	6.54E-03	2.43E-02	1.69E-02	1.13E-05	1.26E-02	2.95E-02
4526	489363.09, 3858877.25	0.32224	0.12977	0.21915	4.94E-03	9.45E-06	5.88E-03	0.010832	5.05E-03	9.30E-06	6.54E-03	1.16E-02	4.80E-03	1.18E-05	1.26E-02	1.74E-02
4527	489863.09, 3858877.25	0.24296	0.12995	0.20563	3.73E-03	9.46E-06	5.52E-03	0.009253	3.81E-03	9.31E-06	6.13E-03	9.95E-03	3.62E-03	1.18E-05	1.18E-02	1.54E-02
4528	490363.09, 3858877.25	0.20302	0.12563	0.19015	3.12E-03	9.14E-06	5.10E-03	0.008224	3.18E-03	9.00E-06	5.67E-03	8.86E-03	3.02E-03	1.14E-05	1.09E-02	1.39E-02
4529	490863.09, 3858877.25	0.1689	0.11721	0.16866	2.59E-03	8.53E-06	4.52E-03	0.007124	2.65E-03	8.40E-06	5.03E-03	7.69E-03	2.52E-03	1.07E-05	9.66E-03	1.22E-02
4530	491363.09, 3858877.25	0.13007	0.09955	0.13552	2.00E-03	7.25E-06	3.63E-03	0.005638	2.04E-03	7.13E-06	4.04E-03	6.09E-03	1.94E-03	9.06E-06	7.76E-03	9.71E-03
4531	491863.09, 3858877.25	0.09233	0.07163	0.09525	1.42E-03	5.21E-06	2.55E-03	0.003977	1.45E-03	5.13E-06	2.84E-03	4.29E-03	1.38E-03	6.52E-06	5.46E-03	6.84E-03
4532	492363.09, 3858877.25	0.09933	0.07918	0.1039	1.52E-03	5.76E-06	2.79E-03	0.004317	1.56E-03	5.67E-06	3.10E-03	4.66E-03	1.48E-03	7.20E-06	5.95E-03	7.44E-03
4533	492863.09, 3858877.25	0.10442	0.08512	0.10907	1.60E-03	6.20E-06	2.93E-03	0.004534	1.64E-03	6.10E-06	3.25E-03	4.90E-03	1.56E-03	7.74E-06	6.25E-03	7.81E-03
4534	493363.09, 3858877.25	0.09184	0.07684	0.09617	1.41E-03	5.59E-06	2.58E-03	0.003994	1.44E-03	5.51E-06	2.87E-03	4.31E-03	1.37E-03	6.99E-06	5.51E-03	6.88E-03
4535	493863.09, 3858877.25	0.07405	0.06217	0.07699	1.14E-03	4.53E-06	2.06E-03	0.003206	1.16E-03	4.45E-06	2.30E-03	3.46E-03	1.10E-03	5.66E-06	4.41E-03	5.52E-03
4536	494363.09, 3858877.25	0.06675	0.05633	0.06935	1.02E-03	4.10E-06	1.86E-03	0.002888	1.05E-03	4.04E-06	2.07E-03	3.12E-03	9.94E-04	5.12E-06	3.97E-03	4.97E-03
4537	494863.09, 3858877.25	0.05902	0.05013	0.06107	9.06E-04	3.65E-06	1.64E-03	0.002547	9.25E-04	3.59E-06	1.82E-03	2.75E-03	8.79E-04	4.56E-06	3.50E-03	4.38E-03
4538	495363.09, 3858877.25	0.05219	0.04461	0.05387	8.01E-04	3.25E-06	1.44E-03	0.002249	8.18E-04	3.20E-06	1.61E-03	2.43E-03	7.77E-04	4.06E-06	3.09E-03	3.87E-03
4539	495863.09, 3858877.25	0.04853	0.04167	0.05007	7.45E-04	3.03E-06	1.34E-03	0.002091	7.61E-04	2.99E-06	1.49E-03	2.26E-03	7.23E-04	3.79E-06	2.87E-03	3.59E-03
4540	496363.09, 3858877.25	0.04692	0.04039	0.0485	7.20E-04	2.94E-06	1.30E-03	0.002024	7.36E-04	2.89E-06	1.45E-03	2.19E-03	6.99E-04	3.67E-06	2.78E-03	3.48E-03
4541	496863.09, 3858877.25	0.04551	0.03919	0.04717	6.98E-04	2.85E-06	1.27E-03	0.001966	7.14E-04	2.81E-06	1.41E-03	2.12E-03	6.78E-04	3.56E-06	2.70E-03	3.38E-03
4542	497363.09, 3858877.25	0.04404	0.03789	0.04571	6.76E-04	2.76E-06	1.23E-03	0.001905	6.91E-04	2.71E-06	1.36E-03	2.06E-03	6.56E-04	3.45E-06	2.62E-03	3.28E-03
4543	497863.09, 3858877.25	0.048	0.04158	0.0501	7.37E-04	3.03E-06	1.34E-03	0.002083	7.53E-04	2.98E-06	1.49E-03	2.25E-03	7.15E-04	3.78E-06	2.87E-03	3.59E-03
4544	498363.09, 3858877.25	0.05131	0.0449	0.05376	7.87E-04	3.27E-06	1.44E-03	0.002232	8.04E-04	3.22E-06	1.60E-03	2.41E-03	7.64E-04	4.08E-06	3.08E-03	3.85E-03
4545	471363.09, 3859377.25	0.00963	0.01085	0.00961	1.48E-04	7.90E-07	2.58E-04	0.000406	1.51E-04	7.77E-07	2.87E-04	4.38E-04	1.43E-04	9.87E-07	5.51E-04	6.95E-04
4546	471863.09, 3859377.25	0.01016	0.01123	0.01017	1.56E-04	8.17E-07	2.73E-04	0.000429	1.59E-04	8.05E-07	3.03E-04	4.63E-04	1.51E-04	1.02E-06	5.83E-04	7.35E-04
4547	472363.09, 3859377.25	0.01103	0.01193	0.01111	1.69E-04	8.68E-07	2.98E-04	0.000468	1.73E-04	8.55E-07	3.31E-04	5.05E-04	1.64E-04	1.09E-06	6.36E-04	8.02E-04
4548	472863.09, 3859377.25	0.01183	0.01248	0.01196	1.82E-04	9.08E-07	3.21E-04	0.000503	1.85E-04	8.94E-07	3.57E-04	5.43E-04	1.76E-04	1.14E-06	6.85E-04	8.62E-04
4549	473363.09, 3859377.25	0.01285	0.01346	0.013	1.97E-04	9.80E-07	3.49E-04	0.000547	2.01E-04	9.64E-07	3.88E-04	5.90E-04	1.91E-04	1.22E-06	7.45E-04	9.37E-04
4550	473863.09, 3859377.25	0.01352	0.01437	0.01364	2.07E-04	1.05E-06	3.66E-04	0.000574	2.12E-04	1.03E-06	4.07E-04	6.20E-04	2.01E-04	1.31E-06	7.81E-04	9.84E-04
4551	474363.09, 3859377.25	0.01211	0.01292	0.0121	1.86E-04	9.40E-07	3.25E-04	0.000511	1.90E-04	9.26E-07	3.61E-04	5.52E-04	1.80E-04	1.18E-06	6.93E-04	8.75E-04
4552	474863.09, 3859377.25	0.00861	0.00895	0.00843	1.32E-04	6.51E-07	2.26E-04	0.000359	1.35E-04	6.41E-07	2.51E-04	3.87E-04	1.28E-04	8.14E-07	4.83E-04	6.12E-04
4553	475363.09, 3859377.25	0.00554	0.00558	0.00533	8.50E-05	4.06E-07	1.43E-04	0.000228	8.69E-05	4.00E-07	1.59E-04	2.46E-04	8.25E-05	5.08E-07	3.05E-04	3.88E-04
4554	475863.09, 3859377.25	0.00369	0.00351	0.00352	5.66E-05	2.55E-07	9.44E-05	0.000151	5.79E-05	2.51E-07	1.05E-04	1.63E-04	5.50E-05	3.19E-07	2.02E-04	2.57E-04
4555	476363.09, 3859377.25	0.00338	0.00314	0.0032	5.19E-05	2.29E-07	8.58E-05	0.000138	5.30E-05	2.25E-07	9.55E-05	1.49E-04	5.04E-05	2.86E-07	1.83E-04	2.34E-04
4556	476863.09, 3859377.25	0.00283	0.00258	0.00263	4.34E-05	1.88E-07	7.05E-05	0.000114	4.44E-05	1.85E-07	7.85E-05	1.23E-04	4.22E-05	2.35E-07	1.51E-04	1.93E-04

4557	477363.09, 3859377.25	0.00311	0.00283	0.00285	4.77E-05	2.06E-07	7.64E-05	0.000124	4.88E-05	2.03E-07	8.50E-05	1.34E-04	4.63E-05	2.57E-07	1.63E-04	2.10E-04
4558	477863.09, 3859377.25	0.00564	0.00533	0.00532	8.65E-05	3.88E-07	1.43E-04	0.00023	8.84E-05	3.82E-07	1.59E-04	2.48E-04	8.40E-05	4.85E-07	3.05E-04	3.89E-04
4559	478363.09, 3859377.25	0.00914	0.00846	0.00873	1.40E-04	6.16E-07	2.34E-04	0.000375	1.43E-04	6.06E-07	2.60E-04	4.04E-04	1.36E-04	7.70E-07	5.00E-04	6.37E-04
4560	478863.09, 3859377.25	0.01543	0.01395	0.01526	2.37E-04	1.02E-06	4.09E-04	0.000647	2.42E-04	1.00E-06	4.55E-04	6.98E-04	2.30E-04	1.27E-06	8.74E-04	1.11E-03
4561	479363.09, 3859377.25	0.02282	0.02077	0.02294	3.50E-04	1.51E-06	6.15E-04	0.000967	3.58E-04	1.49E-06	6.84E-04	1.04E-03	3.40E-04	1.89E-06	1.31E-03	1.66E-03
4562	479863.09, 3859377.25	0.03007	0.02869	0.03024	4.61E-04	2.09E-06	8.11E-04	0.001275	4.71E-04	2.06E-06	9.02E-04	1.38E-03	4.48E-04	2.61E-06	1.73E-03	2.18E-03
4563	480363.09, 3859377.25	0.03696	0.03596	0.03687	5.67E-04	2.62E-06	9.89E-04	0.001559	5.79E-04	2.58E-06	1.10E-03	1.68E-03	5.51E-04	3.27E-06	2.11E-03	2.67E-03
4564	480863.09, 3859377.25	0.0421	0.04109	0.04154	6.46E-04	2.99E-06	1.11E-03	0.001763	6.60E-04	2.94E-06	1.24E-03	1.90E-03	6.27E-04	3.74E-06	2.38E-03	3.01E-03
4565	481363.09, 3859377.25	0.047	0.04628	0.04597	7.21E-04	3.37E-06	1.23E-03	0.001958	7.37E-04	3.32E-06	1.37E-03	2.11E-03	7.00E-04	4.21E-06	2.63E-03	3.34E-03
4566	481863.09, 3859377.25	0.05187	0.04762	0.05077	7.96E-04	3.47E-06	1.36E-03	0.002161	8.13E-04	3.41E-06	1.51E-03	2.33E-03	7.73E-04	4.33E-06	2.91E-03	3.69E-03
4567	482363.09, 3859377.25	0.05677	0.05071	0.05541	8.71E-04	3.69E-06	1.49E-03	0.002361	8.90E-04	3.63E-06	1.65E-03	2.55E-03	8.46E-04	4.61E-06	3.17E-03	4.02E-03
4568	482863.09, 3859377.25	0.06318	0.05716	0.06125	9.70E-04	4.16E-06	1.64E-03	0.002616	9.91E-04	4.10E-06	1.83E-03	2.82E-03	9.41E-04	5.20E-06	3.51E-03	4.46E-03
4569	483363.09, 3859377.25	0.07046	0.05732	0.06711	1.08E-03	4.17E-06	1.80E-03	0.002885	1.10E-03	4.11E-06	2.00E-03	3.11E-03	1.05E-03	5.21E-06	3.84E-03	4.90E-03
4570	483863.09, 3859377.25	0.07435	0.05333	0.06916	1.14E-03	3.88E-06	1.85E-03	0.003	1.17E-03	3.82E-06	2.06E-03	3.23E-03	1.11E-03	4.85E-06	3.96E-03	5.07E-03
4571	484363.09, 3859377.25	0.08103	0.05573	0.07509	1.24E-03	4.06E-06	2.01E-03	0.003261	1.27E-03	3.99E-06	2.24E-03	3.51E-03	1.21E-03	5.07E-06	4.30E-03	5.51E-03
4572	484863.09, 3859377.25	0.08844	0.06423	0.08176	1.36E-03	4.68E-06	2.19E-03	0.003555	1.39E-03	4.60E-06	2.44E-03	3.83E-03	1.32E-03	5.84E-06	4.68E-03	6.01E-03
4573	485363.09, 3859377.25	0.09548	0.07276	0.08772	1.47E-03	5.30E-06	2.35E-03	0.003823	1.50E-03	5.21E-06	2.62E-03	4.12E-03	1.42E-03	6.62E-06	5.03E-03	6.45E-03
4574	485863.09, 3859377.25	0.10204	0.07705	0.09318	1.57E-03	5.61E-06	2.50E-03	0.004071	1.60E-03	5.52E-06	2.78E-03	4.39E-03	1.52E-03	7.01E-06	5.34E-03	6.86E-03
4575	486363.09, 3859377.25	0.10934	0.07968	0.0988	1.68E-03	5.80E-06	2.65E-03	0.004334	1.71E-03	5.71E-06	2.95E-03	4.67E-03	1.63E-03	7.25E-06	5.66E-03	7.30E-03
4576	486863.09, 3859377.25	0.11613	0.07549	0.10368	1.78E-03	5.50E-06	2.78E-03	0.004568	1.82E-03	5.41E-06	3.09E-03	4.92E-03	1.73E-03	6.87E-06	5.94E-03	7.68E-03
4577	487363.09, 3859377.25	0.12287	0.07815	0.10822	1.89E-03	5.69E-06	2.90E-03	0.004794	1.93E-03	5.60E-06	3.23E-03	5.16E-03	1.83E-03	7.11E-06	6.20E-03	8.04E-03
4578	487863.09, 3859377.25	0.13148	0.08019	0.11303	2.02E-03	5.84E-06	3.03E-03	0.005055	2.06E-03	5.75E-06	3.37E-03	5.44E-03	1.96E-03	7.29E-06	6.47E-03	8.44E-03
4579	488363.09, 3859377.25	0.13958	0.08549	0.11876	2.14E-03	6.22E-06	3.19E-03	0.005333	2.19E-03	6.13E-06	3.54E-03	5.74E-03	2.08E-03	7.78E-06	6.80E-03	8.89E-03
4580	488863.09, 3859377.25	0.1408	0.08774	0.12307	2.16E-03	6.39E-06	3.30E-03	0.005468	2.21E-03	6.29E-06	3.67E-03	5.89E-03	2.10E-03	7.98E-06	7.05E-03	9.16E-03
4581	489363.09, 3859377.25	0.13465	0.08365	0.1191	2.07E-03	6.09E-06	3.19E-03	0.005267	2.11E-03	5.99E-06	3.55E-03	5.67E-03	2.01E-03	7.61E-06	6.82E-03	8.84E-03
4582	489863.09, 3859377.25	0.13764	0.08346	0.12281	2.11E-03	6.08E-06	3.29E-03	0.005412	2.16E-03	5.98E-06	3.66E-03	5.83E-03	2.05E-03	7.59E-06	7.04E-03	9.09E-03
4583	490363.09, 3859377.25	0.13324	0.08762	0.12545	2.04E-03	6.38E-06	3.36E-03	0.005416	2.09E-03	6.28E-06	3.74E-03	5.84E-03	1.98E-03	7.97E-06	7.19E-03	9.18E-03
4584	490863.09, 3859377.25	0.12177	0.08631	0.12016	1.87E-03	6.28E-06	3.22E-03	0.005098	1.91E-03	6.18E-06	3.58E-03	5.50E-03	1.81E-03	7.85E-06	6.88E-03	8.71E-03
4585	491363.09, 3859377.25	0.09498	0.07248	0.09832	1.46E-03	5.28E-06	2.64E-03	0.0041	1.49E-03	5.19E-06	2.93E-03	4.43E-03	1.41E-03	6.59E-06	5.63E-03	7.05E-03
4586	491863.09, 3859377.25	0.10336	0.07988	0.10548	1.59E-03	5.81E-06	2.83E-03	0.004421	1.62E-03	5.72E-06	3.15E-03	4.77E-03	1.54E-03	7.27E-06	6.04E-03	7.59E-03
4587	492363.09, 3859377.25	0.09728	0.07752	0.09978	1.49E-03	5.64E-06	2.68E-03	0.004175	1.53E-03	5.55E-06	2.98E-03	4.51E-03	1.45E-03	7.05E-06	5.72E-03	7.17E-03
4588	492863.09, 3859377.25	0.09263	0.07426	0.09502	1.42E-03	5.41E-06	2.55E-03	0.003975	1.45E-03	5.32E-06	2.83E-03	4.29E-03	1.38E-03	6.75E-06	5.44E-03	6.83E-03
4589	493363.09, 3859377.25	0.08369	0.0676	0.08672	1.28E-03	4.92E-06	2.33E-03	0.003615	1.31E-03	4.84E-06	2.59E-03	3.90E-03	1.25E-03	6.15E-06	4.97E-03	6.22E-03
4590	493863.09, 3859377.25	0.07922	0.06456	0.08226	1.22E-03	4.70E-06	2.21E-03	0.003427	1.24E-03	4.63E-06	2.45E-03	3.70E-03	1.18E-03	5.87E-06	4.71E-03	5.90E-03
4591	494363.09, 3859377.25	0.07288	0.06078	0.0759	1.12E-03	4.42E-06	2.04E-03	0.003158	1.14E-03	4.36E-06	2.26E-03	3.41E-03	1.09E-03	5.53E-06	4.35E-03	5.44E-03
4592	494863.09, 3859377.25	0.06272	0.05341	0.06545	9.62E-04	3.89E-06	1.76E-03	0.002722	9.83E-04	3.83E-06	1.95E-03	2.94E-03	9.34E-04	4.86E-06	3.75E-03	4.69E-03
4593	495363.09, 3859377.25	0.05927	0.051	0.06187	9.10E-04	3.71E-06	1.66E-03	0.002573	9.29E-04	3.65E-06	1.85E-03	2.78E-03	8.83E-04	4.64E-06	3.54E-03	4.43E-03
4594	495863.09, 3859377.25	0.05451	0.04728	0.05685	8.36E-04	3.44E-06	1.52E-03	0.002365	8.55E-04	3.39E-06	1.70E-03	2.55E-03	8.12E-04	4.30E-06	3.26E-03	4.07E-03
4595	496363.09, 3859377.25	0.05328	0.04663	0.05562	8.18E-04	3.39E-06	1.49E-03	0.002313	8.35E-04	3.34E-06	1.66E-03	2.50E-03	7.94E-04	4.24E-06	3.19E-03	3.98E-03
4596	496863.09, 3859377.25	0.04773	0.04197	0.04971	7.32E-04	3.06E-06	1.33E-03	0.002069	7.48E-04	3.01E-06	1.48E-03	2.23E-03	7.11E-04	3.82E-06	2.85E-03	3.56E-03
4597	497363.09, 3859377.25	0.04863	0.04302	0.05079	7.46E-04	3.13E-06	1.36E-03	0.002112	7.62E-04	3.08E-06	1.52E-03	2.28E-03	7.24E-04	3.91E-06	2.91E-03	3.64E-03
4598	497863.09, 3859377.25	0.05127	0.04545	0.05362	7.87E-04	3.31E-06	1.44E-03	0.002228	8.04E-04	3.26E-06	1.60E-03	2.41E-03	7.64E-04	4.13E-06	3.07E-03	3.84E-03
4599	498363.09, 3859377.25	0.05198	0.04604	0.0543	7.98E-04	3.35E-06	1.46E-03	0.002257	8.15E-04	3.30E-06	1.62E-03	2.44E-03	7.74E-04	4.19E-06	3.11E-03	3.89E-03
4600	471363.09, 3859877.25	0.00993	0.01035	0.00999	1.52E-04	7.53E-07	2.68E-04	0.000421	1.56E-04	7.42E-07	2.98E-04	4.54E-04	1.48E-04	9.41E-07	5.72E-04	7.21E-04
4601	471863.09, 3859877.25	0.01056	0.01078	0.01067	1.62E-04	7.85E-07	2.86E-04	0.000449	1.66E-04	7.72E-07	3.18E-04	4.85E-04	1.57E-04	9.81E-07	6.11E-04	7.70E-04
4602	472363.09, 3859877.25	0.01113	0.0113	0.01126	1.71E-04	8.23E-07	3.02E-04	0.000474	1.75E-04	8.10E-07	3.36E-04	5.11E-04	1.66E-04	1.03E-06	6.45E-04	8.12E-04
4603	472863.09, 3859877.25	0.01205	0.01262	0.01215	1.85E-04	9.19E-07	3.26E-04	0.000512	1.89E-04	9.04E-07	3.62E-04	5.52E-04	1.80E-04	1.15E-06	6.96E-04	8.77E-04
4604	473363.09, 3859877.25	0.01297	0.01429	0.013	1.99E-04	1.04E-06	3.49E-04	0.000549	2.03E-04	1.02E-06	3.88E-04	5.92E-04	1.93E-04	1.30E-06	7.45E-04	9.39E-04
4605	473863.09, 3859877.25	0.01377	0.01571	0.01373	2.11E-04	1.14E-06	3.68E-04	0.000581	2.16E-04	1.13E-06	4.10E-04	6.27E-04	2.05E-04	1.43E-06	7.87E-04	9.93E-04
4606	474363.09, 3859877.25	0.01296	0.01444	0.01289	1.99E-04	1.05E-06	3.46E-04	0.000546	2.03E-04	1.03E-06	3.85E-04	5.89E-04	1.93E-04	1.31E-06	7.38E-04	9.33E-04
4607	474863.09, 3859877.25	0.01098	0.01133	0.01088	1.68E-04	8.25E-07	2.92E-04	0.000461	1.72E-04	8.12E-07	3.25E-04	4.98E-04	1.64E-04	1.03E-06	6.23E-04	7.88E-04
4608	475363.09, 3859877.25	0.00665	0.00638	0.00645	1.02E-04	4.64E-07	1.73E-04	0.000276	1.04E-04	4.57E-07	1.92E-04	2.97E-04	9.91E-05	5.80E-07	3.69E-04	4.69E-04
4609	475863.09, 3859877.25	0.00356	0.00333	0.00338	5.46E-05	2.42E-07	9.07E-05	0.000146	5.58E-05	2.39E-07	1.01E-04	1.57E-04	5.30E-05	3.03E-07	1.94E-04	2.47E-04
4610	476363.09, 3859877.25	0.00232	0.00215	0.00213	3.56E-05	1.57E-07	5.71E-05	9.29E-05	3.64E-05	1.54E-07	6.35E-05	1.00E-04	3.46E-05	1.96E-07	1.22E-04	1.57E-04
4611	476863.09, 3859877.25	0.00268	0.00253	0.00245	4.11E-05	1.84E-07	6.57E-05	0.000107	4.20E-05	1.81E-07	7.31E-05	1.15E-04	3.99E-05	2.30E-07	1.40E-04	1.81E-04
4612	477363.09, 3859877.25	0.00288	0.0027	0.0026	4.42E-05	1.97E-07	6.97E-05	0.000114	4.52E-05	1.93E-07	7.76E-05	1.23E-04	4.29E-05	2.46E-07	1.49E-04	1.92E-04
4613	477863.09, 3859877.25	0.00504	0.00459	0.00471	7.73E-05	3.34E-07	1.26E-04	0.000204	7.90E-05	3.29E-07	1.41E-04	2.20E-04	7.51E-05	4.18E-07	2.70E-04	3.45E-04

4614	478363.09, 3859877.25	0.00898	0.00791	0.0086	1.38E-04	5.76E-07	2.31E-04	0.000369	1.41E-04	5.67E-07	2.57E-04	3.98E-04	1.34E-04	7.20E-07	4.93E-04	6.27E-04
4615	478863.09, 3859877.25	0.01515	0.01381	0.01494	2.32E-04	1.01E-06	4.01E-04	0.000634	2.38E-04	9.90E-07	4.46E-04	6.84E-04	2.26E-04	1.26E-06	8.56E-04	1.08E-03
4616	479363.09, 3859877.25	0.02324	0.02283	0.02327	3.57E-04	1.66E-06	6.24E-04	0.000982	3.64E-04	1.64E-06	6.94E-04	1.06E-03	3.46E-04	2.08E-06	1.33E-03	1.68E-03
4617	479863.09, 3859877.25	0.02956	0.02952	0.02955	4.54E-04	2.15E-06	7.93E-04	0.001248	4.63E-04	2.12E-06	8.82E-04	1.35E-03	4.40E-04	2.69E-06	1.69E-03	2.14E-03
4618	480363.09, 3859877.25	0.03466	0.03358	0.03434	5.32E-04	2.44E-06	9.21E-04	0.001455	5.43E-04	2.41E-06	1.02E-03	1.57E-03	5.16E-04	3.05E-06	1.97E-03	2.49E-03
4619	480863.09, 3859877.25	0.03857	0.0378	0.03775	5.92E-04	2.75E-06	1.01E-03	0.001607	6.05E-04	2.71E-06	1.13E-03	1.73E-03	5.75E-04	3.44E-06	2.16E-03	2.74E-03
4620	481363.09, 3859877.25	0.04244	0.04119	0.04131	6.51E-04	3.00E-06	1.11E-03	0.001762	6.65E-04	2.95E-06	1.23E-03	1.90E-03	6.32E-04	3.75E-06	2.37E-03	3.00E-03
4621	481863.09, 3859877.25	0.04596	0.04248	0.04486	7.05E-04	3.09E-06	1.20E-03	0.001912	7.21E-04	3.04E-06	1.34E-03	2.06E-03	6.85E-04	3.86E-06	2.57E-03	3.26E-03
4622	482363.09, 3859877.25	0.05	0.04478	0.04854	7.67E-04	3.26E-06	1.30E-03	0.002072	7.84E-04	3.21E-06	1.45E-03	2.24E-03	7.45E-04	4.07E-06	2.78E-03	3.53E-03
4623	482863.09, 3859877.25	0.05426	0.04483	0.05268	8.33E-04	3.26E-06	1.41E-03	0.002249	8.51E-04	3.21E-06	1.57E-03	2.43E-03	8.08E-04	4.08E-06	3.02E-03	3.83E-03
4624	483363.09, 3859877.25	0.05875	0.04511	0.05634	9.02E-04	3.28E-06	1.51E-03	0.002416	9.21E-04	3.23E-06	1.68E-03	2.61E-03	8.75E-04	4.10E-06	3.23E-03	4.11E-03
4625	483863.09, 3859877.25	0.062	0.04476	0.05773	9.51E-04	3.26E-06	1.55E-03	0.002503	9.72E-04	3.21E-06	1.72E-03	2.70E-03	9.24E-04	4.07E-06	3.31E-03	4.23E-03
4626	484363.09, 3859877.25	0.0654	0.04598	0.06051	1.00E-03	3.35E-06	1.62E-03	0.00263	1.03E-03	3.29E-06	1.81E-03	2.83E-03	9.74E-04	4.18E-06	3.47E-03	4.44E-03
4627	484863.09, 3859877.25	0.06979	0.05299	0.06425	1.07E-03	3.86E-06	1.72E-03	0.002798	1.09E-03	3.80E-06	1.92E-03	3.01E-03	1.04E-03	4.82E-06	3.68E-03	4.73E-03
4628	485363.09, 3859877.25	0.07378	0.05866	0.06743	1.13E-03	4.27E-06	1.81E-03	0.002945	1.16E-03	4.20E-06	2.01E-03	3.17E-03	1.10E-03	5.34E-06	3.86E-03	4.97E-03
4629	485863.09, 3859877.25	0.07715	0.05747	0.06993	1.18E-03	4.18E-06	1.88E-03	0.003064	1.21E-03	4.12E-06	2.09E-03	3.30E-03	1.15E-03	5.23E-06	4.01E-03	5.16E-03
4630	486363.09, 3859877.25	0.08007	0.05854	0.07237	1.23E-03	4.26E-06	1.94E-03	0.003174	1.26E-03	4.19E-06	2.16E-03	3.42E-03	1.19E-03	5.32E-06	4.15E-03	5.34E-03
4631	486863.09, 3859877.25	0.08321	0.05717	0.0751	1.28E-03	4.16E-06	2.01E-03	0.003295	1.30E-03	4.10E-06	2.24E-03	3.55E-03	1.24E-03	5.20E-06	4.30E-03	5.55E-03
4632	487363.09, 3859877.25	0.08418	0.05765	0.07516	1.29E-03	4.20E-06	2.02E-03	0.003312	1.32E-03	4.13E-06	2.24E-03	3.57E-03	1.25E-03	5.24E-06	4.31E-03	5.56E-03
4633	487863.09, 3859877.25	0.08786	0.0594	0.07801	1.35E-03	4.32E-06	2.09E-03	0.003445	1.38E-03	4.26E-06	2.33E-03	3.71E-03	1.31E-03	5.40E-06	4.47E-03	5.78E-03
4634	488363.09, 3859877.25	0.08874	0.06126	0.07971	1.36E-03	4.46E-06	2.14E-03	0.003504	1.39E-03	4.39E-06	2.38E-03	3.77E-03	1.32E-03	5.57E-06	4.57E-03	5.89E-03
4635	488863.09, 3859877.25	0.09082	0.06414	0.08396	1.39E-03	4.67E-06	2.25E-03	0.00365	1.42E-03	4.60E-06	2.50E-03	3.93E-03	1.35E-03	5.83E-06	4.81E-03	6.17E-03
4636	489363.09, 3859877.25	0.09074	0.06542	0.0855	1.39E-03	4.76E-06	2.29E-03	0.00369	1.42E-03	4.69E-06	2.55E-03	3.98E-03	1.35E-03	5.95E-06	4.90E-03	6.26E-03
4637	489863.09, 3859877.25	0.08587	0.06245	0.0816	1.32E-03	4.55E-06	2.19E-03	0.003511	1.35E-03	4.47E-06	2.43E-03	3.79E-03	1.28E-03	5.68E-06	4.67E-03	5.96E-03
4638	490363.09, 3859877.25	0.08418	0.05978	0.07996	1.29E-03	4.35E-06	2.14E-03	0.003441	1.32E-03	4.28E-06	2.39E-03	3.71E-03	1.25E-03	5.44E-06	4.58E-03	5.84E-03
4639	490863.09, 3859877.25	0.08767	0.0622	0.08453	1.35E-03	4.53E-06	2.27E-03	0.003617	1.37E-03	4.46E-06	2.52E-03	3.90E-03	1.31E-03	5.66E-06	4.84E-03	6.15E-03
4640	491363.09, 3859877.25	0.08707	0.06428	0.08567	1.34E-03	4.68E-06	2.30E-03	0.003638	1.37E-03	4.61E-06	2.56E-03	3.93E-03	1.30E-03	5.85E-06	4.91E-03	6.21E-03
4641	491863.09, 3859877.25	0.08484	0.06475	0.08492	1.30E-03	4.71E-06	2.28E-03	0.003584	1.33E-03	4.64E-06	2.53E-03	3.87E-03	1.26E-03	5.89E-06	4.86E-03	6.13E-03
4642	492363.09, 3859877.25	0.08177	0.06415	0.0827	1.25E-03	4.67E-06	2.22E-03	0.003477	1.28E-03	4.60E-06	2.47E-03	3.75E-03	1.22E-03	5.84E-06	4.74E-03	5.96E-03
4643	492863.09, 3859877.25	0.07789	0.06267	0.07903	1.20E-03	4.56E-06	2.12E-03	0.003319	1.22E-03	4.49E-06	2.36E-03	3.58E-03	1.16E-03	5.70E-06	4.53E-03	5.69E-03
4644	493363.09, 3859877.25	0.07412	0.06091	0.07542	1.14E-03	4.43E-06	2.02E-03	0.003165	1.16E-03	4.36E-06	2.25E-03	3.42E-03	1.10E-03	5.54E-06	4.32E-03	5.43E-03
4645	493863.09, 3859877.25	0.07042	0.05838	0.07185	1.08E-03	4.25E-06	1.93E-03	0.003012	1.10E-03	4.18E-06	2.14E-03	3.25E-03	1.05E-03	5.31E-06	4.12E-03	5.17E-03
4646	494363.09, 3859877.25	0.06624	0.05499	0.06787	1.02E-03	4.00E-06	1.82E-03	0.002841	1.04E-03	3.94E-06	2.02E-03	3.07E-03	9.87E-04	5.00E-06	3.89E-03	4.88E-03
4647	494863.09, 3859877.25	0.0634	0.05259	0.06511	9.73E-04	3.83E-06	1.75E-03	0.002723	9.94E-04	3.77E-06	1.94E-03	2.94E-03	9.44E-04	4.78E-06	3.73E-03	4.68E-03
4648	495363.09, 3859877.25	0.05995	0.05018	0.06183	9.20E-04	3.65E-06	1.66E-03	0.002582	9.40E-04	3.60E-06	1.84E-03	2.79E-03	8.93E-04	4.56E-06	3.54E-03	4.44E-03
4649	495863.09, 3859877.25	0.05631	0.04779	0.05833	8.64E-04	3.48E-06	1.56E-03	0.002432	8.83E-04	3.42E-06	1.74E-03	2.63E-03	8.39E-04	4.35E-06	3.34E-03	4.18E-03
4650	496363.09, 3859877.25	0.05088	0.04376	0.05297	7.81E-04	3.19E-06	1.42E-03	0.002205	7.98E-04	3.14E-06	1.58E-03	2.38E-03	7.58E-04	3.98E-06	3.03E-03	3.80E-03
4651	496863.09, 3859877.25	0.03933	0.03398	0.04078	6.04E-04	2.47E-06	1.09E-03	0.0017	6.17E-04	2.43E-06	1.22E-03	1.84E-03	5.86E-04	3.09E-06	2.34E-03	2.93E-03
4652	497363.09, 3859877.25	0.04557	0.04026	0.04759	6.99E-04	2.93E-06	1.28E-03	0.001979	7.14E-04	2.88E-06	1.42E-03	2.14E-03	6.79E-04	3.66E-06	2.73E-03	3.41E-03
4653	497863.09, 3859877.25	0.04913	0.04361	0.05117	7.54E-04	3.17E-06	1.37E-03	0.002129	7.70E-04	3.12E-06	1.53E-03	2.30E-03	7.32E-04	3.97E-06	2.93E-03	3.67E-03
4654	498363.09, 3859877.25	0.04866	0.04345	0.05083	7.47E-04	3.16E-06	1.36E-03	0.002113	7.63E-04	3.11E-06	1.52E-03	2.28E-03	7.25E-04	3.95E-06	2.91E-03	3.64E-03
4655	471363.09, 3860377.25	0.01012	0.01024	0.0102	1.55E-04	7.45E-07	2.74E-04	0.00043	1.59E-04	7.34E-07	3.04E-04	4.64E-04	1.51E-04	9.31E-07	5.84E-04	7.36E-04
4656	471863.09, 3860377.25	0.01072	0.01119	0.01078	1.65E-04	8.15E-07	2.89E-04	0.000454	1.68E-04	8.02E-07	3.22E-04	4.90E-04	1.60E-04	1.02E-06	6.18E-04	7.78E-04
4657	472363.09, 3860377.25	0.01145	0.01256	0.01145	1.76E-04	9.14E-07	3.07E-04	0.000484	1.80E-04	9.00E-07	3.42E-04	5.22E-04	1.71E-04	1.14E-06	6.56E-04	8.28E-04
4658	472863.09, 3860377.25	0.01225	0.0139	0.01218	1.88E-04	1.01E-06	3.27E-04	0.000516	1.92E-04	9.96E-07	3.63E-04	5.56E-04	1.82E-04	1.26E-06	6.98E-04	8.81E-04
4659	473363.09, 3860377.25	0.013	0.01456	0.01287	1.99E-04	1.06E-06	3.45E-04	0.000546	2.04E-04	1.04E-06	3.84E-04	5.89E-04	1.94E-04	1.32E-06	7.37E-04	9.32E-04
4660	473863.09, 3860377.25	0.01363	0.01434	0.01348	2.09E-04	1.04E-06	3.62E-04	0.000572	2.14E-04	1.03E-06	4.02E-04	6.17E-04	2.03E-04	1.30E-06	7.72E-04	9.77E-04
4661	474363.09, 3860377.25	0.01381	0.01329	0.0137	2.12E-04	9.67E-07	3.67E-04	0.00058	2.17E-04	9.52E-07	4.09E-04	6.26E-04	2.06E-04	1.21E-06	7.85E-04	9.92E-04
4662	474863.09, 3860377.25	0.01339	0.0121	0.01335	2.05E-04	8.81E-07	3.58E-04	0.000564	2.10E-04	8.67E-07	3.98E-04	6.09E-04	1.99E-04	1.10E-06	7.65E-04	9.65E-04
4663	475363.09, 3860377.25	0.01172	0.01063	0.01168	1.80E-04	7.74E-07	3.13E-04	0.000494	1.84E-04	7.62E-07	3.48E-04	5.33E-04	1.75E-04	9.67E-07	6.69E-04	8.45E-04
4664	475863.09, 3860377.25	0.00963	0.00909	0.00949	1.48E-04	6.62E-07	2.55E-04	0.000403	1.51E-04	6.51E-07	2.83E-04	4.35E-04	1.43E-04	8.27E-07	5.44E-04	6.88E-04
4665	476363.09, 3860377.25	0.00745	0.0072	0.0072	1.14E-04	5.24E-07	1.93E-04	0.000308	1.17E-04	5.16E-07	2.15E-04	3.32E-04	1.11E-04	6.55E-07	4.12E-04	5.24E-04
4666	476863.09, 3860377.25	0.00671	0.0064	0.0064	1.03E-04	4.66E-07	1.72E-04	0.000275	1.05E-04	4.59E-07	1.91E-04	2.97E-04	1.00E-04	5.82E-07	3.67E-04	4.67E-04
4667	477363.09, 3860377.25	0.00415	0.00368	0.00383	6.37E-05	2.68E-07	1.03E-04	0.000167	6.51E-05	2.64E-07	1.14E-04	1.80E-04	6.18E-05	3.35E-07	2.19E-04	2.82E-04
4668	477863.09, 3860377.25	0.00523	0.00445	0.00489	8.03E-05	3.24E-07	1.31E-04	0.000212	8.20E-05	3.19E-07	1.46E-04	2.28E-04	7.79E-05	4.05E-07	2.80E-04	3.58E-04
4669	478363.09, 3860377.25	0.00995	0.00881	0.00965	1.53E-04	6.41E-07	2.59E-04	0.000412	1.56E-04	6.31E-07	2.88E-04	4.45E-04	1.48E-04	8.01E-07	5.53E-04	7.02E-04
4670	478863.09, 3860377.25	0.01546	0.01461	0.01532	2.37E-04	1.06E-06	4.11E-04	0.000649	2.42E-04	1.05E-06	4.57E-04	7.00E-04	2.30E-04	1.33E-06	8.78E-04	1.11E-03

4671	479363.09, 3860377.25	0.02224	0.02183	0.02231	3.41E-04	1.59E-06	5.98E-04	0.000941	3.49E-04	1.56E-06	6.66E-04	1.02E-03	3.31E-04	1.99E-06	1.28E-03	1.61E-03
4672	479863.09, 3860377.25	0.02807	0.02693	0.02803	4.31E-04	1.96E-06	7.52E-04	0.001184	4.40E-04	1.93E-06	8.36E-04	1.28E-03	4.18E-04	2.45E-06	1.61E-03	2.03E-03
4673	480363.09, 3860377.25	0.03206	0.03172	0.03159	4.92E-04	2.31E-06	8.47E-04	0.001342	5.03E-04	2.27E-06	9.42E-04	1.45E-03	4.78E-04	2.89E-06	1.81E-03	2.29E-03
4674	480863.09, 3860377.25	0.03518	0.03589	0.03422	5.40E-04	2.61E-06	9.18E-04	0.00146	5.52E-04	2.57E-06	1.02E-03	1.58E-03	5.24E-04	3.26E-06	1.96E-03	2.49E-03
4675	481363.09, 3860377.25	0.03786	0.03576	0.03685	5.81E-04	2.60E-06	9.88E-04	0.001572	5.94E-04	2.56E-06	1.10E-03	1.70E-03	5.64E-04	3.25E-06	2.11E-03	2.68E-03
4676	481863.09, 3860377.25	0.04071	0.03454	0.03963	6.25E-04	2.51E-06	1.06E-03	0.00169	6.38E-04	2.47E-06	1.18E-03	1.82E-03	6.06E-04	3.14E-06	2.27E-03	2.88E-03
4677	482363.09, 3860377.25	0.04375	0.03642	0.04222	6.71E-04	2.65E-06	1.13E-03	0.001806	6.86E-04	2.61E-06	1.26E-03	1.95E-03	6.52E-04	3.31E-06	2.42E-03	3.07E-03
4678	482863.09, 3860377.25	0.04668	0.03771	0.04485	7.16E-04	2.74E-06	1.20E-03	0.001922	7.32E-04	2.70E-06	1.34E-03	2.07E-03	6.95E-04	3.43E-06	2.57E-03	3.27E-03
4679	483363.09, 3860377.25	0.04992	0.03851	0.0472	7.66E-04	2.80E-06	1.27E-03	0.002035	7.83E-04	2.76E-06	1.41E-03	2.19E-03	7.44E-04	3.50E-06	2.70E-03	3.45E-03
4680	483863.09, 3860377.25	0.05287	0.03907	0.04948	8.11E-04	2.84E-06	1.33E-03	0.002141	8.29E-04	2.80E-06	1.48E-03	2.31E-03	7.88E-04	3.55E-06	2.83E-03	3.63E-03
4681	484363.09, 3860377.25	0.05416	0.03983	0.04981	8.31E-04	2.90E-06	1.34E-03	0.00217	8.49E-04	2.85E-06	1.49E-03	2.34E-03	8.07E-04	3.62E-06	2.85E-03	3.66E-03
4682	484863.09, 3860377.25	0.0567	0.04408	0.05191	8.70E-04	3.21E-06	1.39E-03	0.002266	8.89E-04	3.16E-06	1.55E-03	2.44E-03	8.45E-04	4.01E-06	2.97E-03	3.82E-03
4683	485363.09, 3860377.25	0.05887	0.04709	0.0537	9.03E-04	3.43E-06	1.44E-03	0.002347	9.23E-04	3.37E-06	1.60E-03	2.53E-03	8.77E-04	4.28E-06	3.08E-03	3.96E-03
4684	485863.09, 3860377.25	0.0607	0.04592	0.0552	9.31E-04	3.34E-06	1.48E-03	0.002415	9.52E-04	3.29E-06	1.65E-03	2.60E-03	9.04E-04	4.18E-06	3.16E-03	4.07E-03
4685	486363.09, 3860377.25	0.0614	0.04524	0.05576	9.42E-04	3.29E-06	1.50E-03	0.002441	9.63E-04	3.24E-06	1.66E-03	2.63E-03	9.15E-04	4.12E-06	3.19E-03	4.11E-03
4686	486863.09, 3860377.25	0.06198	0.04409	0.05595	9.51E-04	3.21E-06	1.50E-03	0.002455	9.72E-04	3.16E-06	1.67E-03	2.64E-03	9.23E-04	4.01E-06	3.21E-03	4.13E-03
4687	487363.09, 3860377.25	0.06246	0.0444	0.05597	9.58E-04	3.23E-06	1.50E-03	0.002463	9.79E-04	3.18E-06	1.67E-03	2.65E-03	9.30E-04	4.04E-06	3.21E-03	4.14E-03
4688	487863.09, 3860377.25	0.06367	0.04662	0.05725	9.77E-04	3.39E-06	1.54E-03	0.002516	9.98E-04	3.34E-06	1.71E-03	2.71E-03	9.48E-04	4.24E-06	3.28E-03	4.23E-03
4689	488363.09, 3860377.25	0.06432	0.04647	0.05882	9.87E-04	3.38E-06	1.58E-03	0.002568	1.01E-03	3.33E-06	1.75E-03	2.77E-03	9.58E-04	4.23E-06	3.37E-03	4.33E-03
4690	488863.09, 3860377.25	0.06507	0.04863	0.06069	9.99E-04	3.54E-06	1.63E-03	0.00263	1.02E-03	3.48E-06	1.81E-03	2.83E-03	9.69E-04	4.42E-06	3.48E-03	4.45E-03
4691	489363.09, 3860377.25	0.06618	0.05004	0.06294	1.02E-03	3.64E-06	1.69E-03	0.002707	1.04E-03	3.59E-06	1.88E-03	2.92E-03	9.86E-04	4.55E-06	3.61E-03	4.60E-03
4692	489863.09, 3860377.25	0.06644	0.05116	0.06412	1.02E-03	3.72E-06	1.72E-03	0.002743	1.04E-03	3.67E-06	1.91E-03	2.96E-03	9.90E-04	4.65E-06	3.67E-03	4.67E-03
4693	490363.09, 3860377.25	0.06283	0.04891	0.06096	9.64E-04	3.56E-06	1.63E-03	0.002603	9.85E-04	3.50E-06	1.82E-03	2.81E-03	9.36E-04	4.45E-06	3.49E-03	4.43E-03
4694	490863.09, 3860377.25	0.05999	0.04631	0.05835	9.21E-04	3.37E-06	1.56E-03	0.002489	9.41E-04	3.32E-06	1.74E-03	2.68E-03	8.94E-04	4.21E-06	3.34E-03	4.24E-03
4695	491363.09, 3860377.25	0.06054	0.04586	0.05891	9.29E-04	3.34E-06	1.58E-03	0.002512	9.49E-04	3.29E-06	1.76E-03	2.71E-03	9.02E-04	4.17E-06	3.37E-03	4.28E-03
4696	491863.09, 3860377.25	0.06236	0.04753	0.06131	9.57E-04	3.46E-06	1.64E-03	0.002605	9.78E-04	3.41E-06	1.83E-03	2.81E-03	9.29E-04	4.32E-06	3.51E-03	4.45E-03
4697	492363.09, 3860377.25	0.0635	0.04982	0.06364	9.74E-04	3.63E-06	1.71E-03	0.002685	9.96E-04	3.57E-06	1.90E-03	2.90E-03	9.46E-04	4.53E-06	3.65E-03	4.60E-03
4698	492863.09, 3860377.25	0.06242	0.05017	0.06322	9.58E-04	3.65E-06	1.70E-03	0.002657	9.79E-04	3.59E-06	1.89E-03	2.87E-03	9.30E-04	4.56E-06	3.62E-03	4.56E-03
4699	493363.09, 3860377.25	0.06123	0.0505	0.06273	9.40E-04	3.68E-06	1.68E-03	0.002626	9.60E-04	3.62E-06	1.87E-03	2.84E-03	9.12E-04	4.59E-06	3.59E-03	4.51E-03
4700	493863.09, 3860377.25	0.05906	0.04972	0.06074	9.06E-04	3.62E-06	1.63E-03	0.002539	9.26E-04	3.56E-06	1.81E-03	2.74E-03	8.80E-04	4.52E-06	3.48E-03	4.36E-03
4701	494363.09, 3860377.25	0.0571	0.04881	0.059	8.76E-04	3.55E-06	1.58E-03	0.002462	8.95E-04	3.50E-06	1.76E-03	2.66E-03	8.51E-04	4.44E-06	3.38E-03	4.23E-03
4702	494863.09, 3860377.25	0.05488	0.04731	0.05688	8.42E-04	3.44E-06	1.53E-03	0.002371	8.60E-04	3.39E-06	1.70E-03	2.56E-03	8.18E-04	4.30E-06	3.26E-03	4.08E-03
4703	495363.09, 3860377.25	0.05299	0.04584	0.05502	8.13E-04	3.34E-06	1.48E-03	0.002292	8.31E-04	3.28E-06	1.64E-03	2.48E-03	7.89E-04	4.17E-06	3.15E-03	3.95E-03
4704	495863.09, 3860377.25	0.05045	0.04308	0.05181	7.74E-04	3.14E-06	1.39E-03	0.002167	7.91E-04	3.09E-06	1.55E-03	2.34E-03	7.52E-04	3.92E-06	2.97E-03	3.72E-03
4705	496363.09, 3860377.25	0.04676	0.04026	0.04831	7.18E-04	2.93E-06	1.30E-03	0.002016	7.33E-04	2.88E-06	1.44E-03	2.18E-03	6.97E-04	3.66E-06	2.77E-03	3.47E-03
4706	496863.09, 3860377.25	0.04324	0.03754	0.04485	6.64E-04	2.73E-06	1.20E-03	0.001869	6.78E-04	2.69E-06	1.34E-03	2.02E-03	6.44E-04	3.41E-06	2.57E-03	3.22E-03
4707	497363.09, 3860377.25	0.03877	0.03371	0.04034	5.95E-04	2.45E-06	1.08E-03	0.001679	6.08E-04	2.42E-06	1.20E-03	1.81E-03	5.78E-04	3.07E-06	2.31E-03	2.89E-03
4708	497863.09, 3860377.25	0.04248	0.0369	0.04407	6.52E-04	2.69E-06	1.18E-03	0.001837	6.66E-04	2.64E-06	1.31E-03	1.98E-03	6.33E-04	3.36E-06	2.52E-03	3.16E-03
4709	498363.09, 3860377.25	0.04319	0.03803	0.04491	6.63E-04	2.77E-06	1.20E-03	0.00187	6.77E-04	2.72E-06	1.34E-03	2.02E-03	6.43E-04	3.46E-06	2.57E-03	3.22E-03
4710	471363.09, 3860877.25	0.01029	0.01123	0.01028	1.58E-04	8.17E-07	2.76E-04	0.000434	1.61E-04	8.05E-07	3.07E-04	4.69E-04	1.53E-04	1.02E-06	5.89E-04	7.43E-04
4711	471863.09, 3860877.25	0.01089	0.01228	0.01083	1.67E-04	8.94E-07	2.90E-04	0.000458	1.71E-04	8.80E-07	3.23E-04	4.95E-04	1.62E-04	1.12E-06	6.20E-04	7.84E-04
4712	472363.09, 3860877.25	0.01149	0.01285	0.01137	1.76E-04	9.35E-07	3.05E-04	0.000482	1.80E-04	9.21E-07	3.39E-04	5.20E-04	1.71E-04	1.17E-06	6.51E-04	8.24E-04
4713	472863.09, 3860877.25	0.01215	0.01288	0.012	1.86E-04	9.38E-07	3.22E-04	0.000509	1.91E-04	9.23E-07	3.58E-04	5.49E-04	1.81E-04	1.17E-06	6.87E-04	8.70E-04
4714	473363.09, 3860877.25	0.01273	0.01247	0.01258	1.95E-04	9.08E-07	3.37E-04	0.000534	2.00E-04	8.94E-07	3.75E-04	5.76E-04	1.90E-04	1.13E-06	7.21E-04	9.11E-04
4715	473863.09, 3860877.25	0.01331	0.01212	0.01317	2.04E-04	8.82E-07	3.53E-04	0.000558	2.09E-04	8.68E-07	3.93E-04	6.02E-04	1.98E-04	1.10E-06	7.54E-04	9.54E-04
4716	474363.09, 3860877.25	0.01384	0.01218	0.01373	2.12E-04	8.87E-07	3.68E-04	0.000582	2.17E-04	8.73E-07	4.10E-04	6.27E-04	2.06E-04	1.11E-06	7.87E-04	9.94E-04
4717	474863.09, 3860877.25	0.01448	0.0129	0.01437	2.22E-04	9.39E-07	3.85E-04	0.000609	2.27E-04	9.24E-07	4.29E-04	6.57E-04	2.16E-04	1.17E-06	8.23E-04	1.04E-03
4718	475363.09, 3860877.25	0.01454	0.01361	0.01451	2.23E-04	9.91E-07	3.89E-04	0.000613	2.28E-04	9.75E-07	4.33E-04	6.62E-04	2.17E-04	1.24E-06	8.31E-04	1.05E-03
4719	475863.09, 3860877.25	0.01389	0.01366	0.01391	2.13E-04	9.94E-07	3.73E-04	0.000587	2.18E-04	9.79E-07	4.15E-04	6.34E-04	2.07E-04	1.24E-06	7.97E-04	1.00E-03
4720	476363.09, 3860877.25	0.01243	0.01237	0.01242	1.91E-04	9.00E-07	3.33E-04	0.000525	1.95E-04	8.86E-07	3.71E-04	5.66E-04	1.85E-04	1.13E-06	7.11E-04	8.98E-04
4721	476863.09, 3860877.25	0.0119	0.01147	0.01184	1.83E-04	8.35E-07	3.18E-04	0.000501	1.87E-04	8.22E-07	3.53E-04	5.41E-04	1.77E-04	1.04E-06	6.78E-04	8.57E-04
4722	477363.09, 3860877.25	0.01231	0.01142	0.01228	1.89E-04	8.31E-07	3.29E-04	0.000519	1.93E-04	8.18E-07	3.66E-04	5.60E-04	1.83E-04	1.04E-06	7.03E-04	8.88E-04
4723	477863.09, 3860877.25	0.01054	0.0093	0.01038	1.62E-04	6.77E-07	2.78E-04	0.000441	1.65E-04	6.66E-07	3.10E-04	4.76E-04	1.57E-04	8.46E-07	5.95E-04	7.52E-04
4724	478363.09, 3860877.25	0.00622	0.00511	0.00585	9.54E-05	3.72E-07	1.57E-04	0.000253	9.75E-05	3.66E-07	1.75E-04	2.72E-04	9.27E-05	4.65E-07	3.35E-04	4.28E-04
4725	478863.09, 3860877.25	0.01432	0.01358	0.01422	2.20E-04	9.89E-07	3.81E-04	0.000602	2.25E-04	9.73E-07	4.24E-04	6.50E-04	2.13E-04	1.24E-06	8.15E-04	1.03E-03
4726	479363.09, 3860877.25	0.02127	0.02106	0.02141	3.26E-04	1.53E-06	5.74E-04	0.000902	3.33E-04	1.51E-06	6.39E-04	9.74E-04	3.17E-04	1.92E-06	1.23E-03	1.55E-03
4727	479863.09, 3860877.25	0.02615	0.0266	0.02604	4.01E-04	1.94E-06	6.98E-04	0.001102	4.10E-04	1.91E-06	7.77E-04	1.19E-03	3.90E-04	2.42E-06	1.49E-03	1.88E-03

4728	480363.09, 3860877.25	0.0293	0.02998	0.02864	4.50E-04	2.18E-06	7.68E-04	0.00122	4.59E-04	2.15E-06	8.54E-04	1.32E-03	4.36E-04	2.73E-06	1.64E-03	2.08E-03
4729	480863.09, 3860877.25	0.03161	0.02988	0.03056	4.85E-04	2.18E-06	8.20E-04	0.001307	4.96E-04	2.14E-06	9.12E-04	1.41E-03	4.71E-04	2.72E-06	1.75E-03	2.22E-03
4730	481363.09, 3860877.25	0.0338	0.02869	0.0327	5.19E-04	2.09E-06	8.77E-04	0.001398	5.30E-04	2.06E-06	9.76E-04	1.51E-03	5.04E-04	2.61E-06	1.87E-03	2.38E-03
4731	481863.09, 3860877.25	0.0359	0.02974	0.03459	5.51E-04	2.16E-06	9.28E-04	0.001481	5.63E-04	2.13E-06	1.03E-03	1.60E-03	5.35E-04	2.71E-06	1.98E-03	2.52E-03
4732	482363.09, 3860877.25	0.0383	0.03218	0.03653	5.88E-04	2.34E-06	9.80E-04	0.00157	6.01E-04	2.31E-06	1.09E-03	1.69E-03	5.71E-04	2.93E-06	2.09E-03	2.67E-03
4733	482863.09, 3860877.25	0.04054	0.0325	0.03841	6.22E-04	2.37E-06	1.03E-03	0.001655	6.36E-04	2.33E-06	1.15E-03	1.78E-03	6.04E-04	2.96E-06	2.20E-03	2.81E-03
4734	483363.09, 3860877.25	0.04266	0.03323	0.04003	6.55E-04	2.42E-06	1.07E-03	0.001731	6.69E-04	2.38E-06	1.19E-03	1.87E-03	6.36E-04	3.02E-06	2.29E-03	2.93E-03
4735	483863.09, 3860877.25	0.04476	0.03449	0.04152	6.87E-04	2.51E-06	1.11E-03	0.001803	7.02E-04	2.47E-06	1.24E-03	1.94E-03	6.67E-04	3.14E-06	2.38E-03	3.05E-03
4736	484363.09, 3860877.25	0.04628	0.03476	0.04256	7.10E-04	2.53E-06	1.14E-03	0.001854	7.26E-04	2.49E-06	1.27E-03	2.00E-03	6.89E-04	3.16E-06	2.44E-03	3.13E-03
4737	484863.09, 3860877.25	0.04681	0.0369	0.0429	7.18E-04	2.69E-06	1.15E-03	0.001872	7.34E-04	2.64E-06	1.28E-03	2.02E-03	6.97E-04	3.36E-06	2.46E-03	3.16E-03
4738	485363.09, 3860877.25	0.04827	0.03803	0.04419	7.41E-04	2.77E-06	1.19E-03	0.001929	7.57E-04	2.72E-06	1.32E-03	2.08E-03	7.19E-04	3.46E-06	2.53E-03	3.25E-03
4739	485863.09, 3860877.25	0.04971	0.03887	0.04539	7.63E-04	2.83E-06	1.22E-03	0.001983	7.79E-04	2.79E-06	1.35E-03	2.14E-03	7.41E-04	3.54E-06	2.60E-03	3.34E-03
4740	486363.09, 3860877.25	0.04932	0.03676	0.04465	7.57E-04	2.68E-06	1.20E-03	0.001957	7.73E-04	2.63E-06	1.33E-03	2.11E-03	7.35E-04	3.34E-06	2.56E-03	3.30E-03
4741	486863.09, 3860877.25	0.04915	0.03546	0.04421	7.54E-04	2.58E-06	1.19E-03	0.001943	7.71E-04	2.54E-06	1.32E-03	2.09E-03	7.32E-04	3.23E-06	2.53E-03	3.27E-03
4742	487363.09, 3860877.25	0.04912	0.03576	0.0442	7.54E-04	2.60E-06	1.19E-03	0.001942	7.70E-04	2.56E-06	1.32E-03	2.09E-03	7.32E-04	3.25E-06	2.53E-03	3.27E-03
4743	487863.09, 3860877.25	0.04884	0.03766	0.04422	7.49E-04	2.74E-06	1.19E-03	0.001938	7.66E-04	2.70E-06	1.32E-03	2.09E-03	7.28E-04	3.43E-06	2.53E-03	3.26E-03
4744	488363.09, 3860877.25	0.05033	0.0377	0.04643	7.72E-04	2.74E-06	1.25E-03	0.00202	7.89E-04	2.70E-06	1.39E-03	2.18E-03	7.50E-04	3.43E-06	2.66E-03	3.41E-03
4745	488863.09, 3860877.25	0.04995	0.03849	0.04675	7.66E-04	2.80E-06	1.25E-03	0.002023	7.83E-04	2.76E-06	1.39E-03	2.18E-03	7.44E-04	3.50E-06	2.68E-03	3.43E-03
4746	489363.09, 3860877.25	0.0512	0.03987	0.04868	7.86E-04	2.90E-06	1.31E-03	0.002094	8.03E-04	2.86E-06	1.45E-03	2.26E-03	7.63E-04	3.63E-06	2.79E-03	3.55E-03
4747	489863.09, 3860877.25	0.05091	0.04014	0.04897	7.81E-04	2.92E-06	1.31E-03	0.002098	7.98E-04	2.88E-06	1.46E-03	2.26E-03	7.58E-04	3.65E-06	2.81E-03	3.57E-03
4748	490363.09, 3860877.25	0.0511	0.04096	0.0498	7.84E-04	2.98E-06	1.34E-03	0.002123	8.01E-04	2.93E-06	1.49E-03	2.29E-03	7.61E-04	3.73E-06	2.85E-03	3.62E-03
4749	490863.09, 3860877.25	0.04893	0.03972	0.04799	7.51E-04	2.89E-06	1.29E-03	0.002041	7.67E-04	2.85E-06	1.43E-03	2.20E-03	7.29E-04	3.61E-06	2.75E-03	3.48E-03
4750	491363.09, 3860877.25	0.0464	0.03753	0.0456	7.12E-04	2.73E-06	1.22E-03	0.001938	7.28E-04	2.69E-06	1.36E-03	2.09E-03	6.91E-04	3.41E-06	2.61E-03	3.31E-03
4751	491863.09, 3860877.25	0.04604	0.03685	0.04541	7.06E-04	2.68E-06	1.22E-03	0.001927	7.22E-04	2.64E-06	1.35E-03	2.08E-03	6.86E-04	3.35E-06	2.60E-03	3.29E-03
4752	492363.09, 3860877.25	0.04643	0.03683	0.04592	7.12E-04	2.68E-06	1.23E-03	0.001947	7.28E-04	2.64E-06	1.37E-03	2.10E-03	6.92E-04	3.35E-06	2.63E-03	3.33E-03
4753	492863.09, 3860877.25	0.04784	0.03829	0.04781	7.34E-04	2.79E-06	1.28E-03	0.002019	7.50E-04	2.74E-06	1.43E-03	2.18E-03	7.13E-04	3.48E-06	2.74E-03	3.45E-03
4754	493363.09, 3860877.25	0.04898	0.04004	0.04964	7.52E-04	2.91E-06	1.33E-03	0.002086	7.68E-04	2.87E-06	1.48E-03	2.25E-03	7.30E-04	3.64E-06	2.84E-03	3.58E-03
4755	493863.09, 3860877.25	0.04837	0.04042	0.04947	7.42E-04	2.94E-06	1.33E-03	0.002072	7.58E-04	2.90E-06	1.48E-03	2.24E-03	7.21E-04	3.68E-06	2.83E-03	3.56E-03
4756	494363.09, 3860877.25	0.04738	0.04043	0.04877	7.27E-04	2.94E-06	1.31E-03	0.002038	7.43E-04	2.90E-06	1.45E-03	2.20E-03	7.06E-04	3.68E-06	2.79E-03	3.50E-03
4757	494863.09, 3860877.25	0.04631	0.04028	0.04796	7.11E-04	2.93E-06	1.29E-03	0.002	7.26E-04	2.89E-06	1.43E-03	2.16E-03	6.90E-04	3.66E-06	2.75E-03	3.44E-03
4758	495363.09, 3860877.25	0.04505	0.03973	0.04689	6.91E-04	2.89E-06	1.26E-03	0.001952	7.06E-04	2.85E-06	1.40E-03	2.11E-03	6.71E-04	3.61E-06	2.69E-03	3.36E-03
4759	495863.09, 3860877.25	0.04361	0.03872	0.04553	6.69E-04	2.82E-06	1.22E-03	0.001893	6.84E-04	2.77E-06	1.36E-03	2.04E-03	6.50E-04	3.52E-06	2.61E-03	3.26E-03
4760	496363.09, 3860877.25	0.04259	0.0379	0.04456	6.54E-04	2.76E-06	1.20E-03	0.001851	6.68E-04	2.72E-06	1.33E-03	2.00E-03	6.34E-04	3.45E-06	2.55E-03	3.19E-03
4761	496863.09, 3860877.25	0.04109	0.03584	0.04231	6.31E-04	2.61E-06	1.13E-03	0.001768	6.44E-04	2.57E-06	1.26E-03	1.91E-03	6.12E-04	3.26E-06	2.42E-03	3.04E-03
4762	497363.09, 3860877.25	0.03989	0.03496	0.04112	6.12E-04	2.54E-06	1.10E-03	0.001718	6.25E-04	2.50E-06	1.23E-03	1.85E-03	5.94E-04	3.18E-06	2.36E-03	2.95E-03
4763	497863.09, 3860877.25	0.03845	0.03391	0.03969	5.90E-04	2.47E-06	1.06E-03	0.001657	6.03E-04	2.43E-06	1.18E-03	1.79E-03	5.73E-04	3.08E-06	2.27E-03	2.85E-03
4764	498363.09, 3860877.25	0.03796	0.03368	0.03943	5.83E-04	2.45E-06	1.06E-03	0.001642	5.95E-04	2.41E-06	1.18E-03	1.77E-03	5.65E-04	3.06E-06	2.26E-03	2.83E-03
4765	471363.09, 3861377.25	0.01031	0.01157	0.01022	1.58E-04	8.42E-07	2.74E-04	0.000433	1.62E-04	8.29E-07	3.05E-04	4.67E-04	1.54E-04	1.05E-06	5.85E-04	7.40E-04
4766	471863.09, 3861377.25	0.0108	0.01158	0.01068	1.66E-04	8.43E-07	2.86E-04	0.000453	1.69E-04	8.30E-07	3.19E-04	4.89E-04	1.61E-04	1.05E-06	6.12E-04	7.74E-04
4767	472363.09, 3861377.25	0.0113	0.01127	0.01117	1.73E-04	8.20E-07	3.00E-04	0.000474	1.77E-04	8.08E-07	3.33E-04	5.11E-04	1.68E-04	1.03E-06	6.40E-04	8.09E-04
4768	472863.09, 3861377.25	0.01187	0.01103	0.01174	1.82E-04	8.03E-07	3.15E-04	0.000498	1.86E-04	7.90E-07	3.50E-04	5.37E-04	1.77E-04	1.00E-06	6.73E-04	8.50E-04
4769	473363.09, 3861377.25	0.01243	0.01105	0.01229	1.91E-04	8.04E-07	3.30E-04	0.000521	1.95E-04	7.92E-07	3.67E-04	5.62E-04	1.85E-04	1.01E-06	7.04E-04	8.90E-04
4770	473863.09, 3861377.25	0.01295	0.01148	0.01282	1.99E-04	8.36E-07	3.44E-04	0.000543	2.03E-04	8.23E-07	3.82E-04	5.86E-04	1.93E-04	1.04E-06	7.34E-04	9.28E-04
4771	474363.09, 3861377.25	0.01366	0.01247	0.0135	2.10E-04	9.08E-07	3.62E-04	0.000573	2.14E-04	8.94E-07	4.03E-04	6.18E-04	2.03E-04	1.13E-06	7.73E-04	9.78E-04
4772	474863.09, 3861377.25	0.01418	0.01348	0.01403	2.18E-04	9.81E-07	3.76E-04	0.000595	2.22E-04	9.66E-07	4.19E-04	6.42E-04	2.11E-04	1.23E-06	8.04E-04	1.02E-03
4773	475363.09, 3861377.25	0.01497	0.01443	0.01478	2.30E-04	1.05E-06	3.96E-04	0.000627	2.35E-04	1.03E-06	4.41E-04	6.77E-04	2.23E-04	1.31E-06	8.47E-04	1.07E-03
4774	475863.09, 3861377.25	0.01539	0.01474	0.01524	2.36E-04	1.07E-06	4.09E-04	0.000646	2.41E-04	1.06E-06	4.55E-04	6.97E-04	2.29E-04	1.34E-06	8.73E-04	1.10E-03
4775	476363.09, 3861377.25	0.01545	0.01448	0.0154	2.37E-04	1.05E-06	4.13E-04	0.000651	2.42E-04	1.04E-06	4.59E-04	7.03E-04	2.30E-04	1.32E-06	8.82E-04	1.11E-03
4776	476863.09, 3861377.25	0.01555	0.01421	0.01559	2.39E-04	1.03E-06	4.18E-04	0.000658	2.44E-04	1.02E-06	4.65E-04	7.10E-04	2.32E-04	1.29E-06	8.93E-04	1.13E-03
4777	477363.09, 3861377.25	0.01575	0.01424	0.01586	2.42E-04	1.04E-06	4.25E-04	0.000668	2.47E-04	1.02E-06	4.73E-04	7.21E-04	2.35E-04	1.30E-06	9.09E-04	1.14E-03
4778	477863.09, 3861377.25	0.01317	0.01211	0.01317	2.02E-04	8.82E-07	3.53E-04	0.000556	2.06E-04	8.68E-07	3.93E-04	6.00E-04	1.96E-04	1.10E-06	7.54E-04	9.52E-04
4779	478363.09, 3861377.25	0.00766	0.00698	0.00731	1.18E-04	5.08E-07	1.96E-04	0.000314	1.20E-04	5.00E-07	2.18E-04	3.39E-04	1.14E-04	6.35E-07	4.19E-04	5.33E-04
4780	478863.09, 3861377.25	0.00982	0.00967	0.00951	1.51E-04	7.04E-07	2.55E-04	0.000406	1.54E-04	6.93E-07	2.84E-04	4.38E-04	1.46E-04	8.80E-07	5.45E-04	6.92E-04
4781	479363.09, 3861377.25	0.01909	0.0194	0.01923	2.93E-04	1.41E-06	5.16E-04	0.00081	2.99E-04	1.39E-06	5.74E-04	8.74E-04	2.84E-04	1.76E-06	1.10E-03	1.39E-03
4782	479863.09, 3861377.25	0.02379	0.02345	0.02356	3.65E-04	1.71E-06	6.32E-04	0.000999	3.73E-04	1.68E-06	7.03E-04	1.08E-03	3.54E-04	2.13E-06	1.35E-03	1.71E-03
4783	480363.09, 3861377.25	0.02671	0.02509	0.02575	4.10E-04	1.83E-06	6.91E-04	0.001102	4.19E-04	1.80E-06	7.68E-04	1.19E-03	3.98E-04	2.28E-06	1.48E-03	1.88E-03
4784	480863.09, 3861377.25	0.02854	0.02498	0.02742	4.38E-04	1.82E-06	7.35E-04	0.001175	4.47E-04	1.79E-06	8.18E-04	1.27E-03	4.25E-04	2.27E-06	1.57E-03	2.00E-03

4785	481363.09, 3861377.25	0.03018	0.02509	0.02891	4.63E-04	1.83E-06	7.75E-04	0.00124	4.73E-04	1.80E-06	8.62E-04	1.34E-03	4.50E-04	2.28E-06	1.66E-03	2.11E-03
4786	481863.09, 3861377.25	0.03185	0.0269	0.03033	4.89E-04	1.96E-06	8.13E-04	0.001304	4.99E-04	1.93E-06	9.05E-04	1.41E-03	4.74E-04	2.45E-06	1.74E-03	2.21E-03
4787	482363.09, 3861377.25	0.03362	0.02811	0.03174	5.16E-04	2.05E-06	8.51E-04	0.001369	5.27E-04	2.01E-06	9.47E-04	1.48E-03	5.01E-04	2.56E-06	1.82E-03	2.32E-03
4788	482863.09, 3861377.25	0.03537	0.02822	0.03312	5.43E-04	2.05E-06	8.88E-04	0.001433	5.55E-04	2.02E-06	9.88E-04	1.54E-03	5.27E-04	2.57E-06	1.90E-03	2.43E-03
4789	483363.09, 3861377.25	0.03703	0.02971	0.03442	5.68E-04	2.16E-06	9.23E-04	0.001494	5.81E-04	2.13E-06	1.03E-03	1.61E-03	5.52E-04	2.70E-06	1.97E-03	2.53E-03
4790	483863.09, 3861377.25	0.03838	0.02998	0.03549	5.89E-04	2.18E-06	9.52E-04	0.001543	6.02E-04	2.15E-06	1.06E-03	1.66E-03	5.72E-04	2.73E-06	2.03E-03	2.61E-03
4791	484363.09, 3861377.25	0.03962	0.03052	0.03664	6.08E-04	2.22E-06	9.83E-04	0.001593	6.21E-04	2.19E-06	1.09E-03	1.72E-03	5.90E-04	2.78E-06	2.10E-03	2.69E-03
4792	484863.09, 3861377.25	0.0401	0.03141	0.03686	6.15E-04	2.29E-06	9.89E-04	0.001606	6.29E-04	2.25E-06	1.10E-03	1.73E-03	5.97E-04	2.86E-06	2.11E-03	2.71E-03
4793	485363.09, 3861377.25	0.04028	0.03134	0.03682	6.18E-04	2.28E-06	9.88E-04	0.001608	6.32E-04	2.25E-06	1.10E-03	1.73E-03	6.00E-04	2.85E-06	2.11E-03	2.71E-03
4794	485863.09, 3861377.25	0.04082	0.03278	0.03712	6.26E-04	2.39E-06	9.96E-04	0.001624	6.40E-04	2.35E-06	1.11E-03	1.75E-03	6.08E-04	2.98E-06	2.13E-03	2.74E-03
4795	486363.09, 3861377.25	0.04071	0.03091	0.0367	6.25E-04	2.25E-06	9.84E-04	0.001611	6.38E-04	2.21E-06	1.09E-03	1.74E-03	6.06E-04	2.81E-06	2.10E-03	2.71E-03
4796	486863.09, 3861377.25	0.04043	0.02951	0.03625	6.20E-04	2.15E-06	9.72E-04	0.001595	6.34E-04	2.11E-06	1.08E-03	1.72E-03	6.02E-04	2.68E-06	2.08E-03	2.68E-03
4797	487363.09, 3861377.25	0.04008	0.02938	0.03612	6.15E-04	2.14E-06	9.69E-04	0.001586	6.28E-04	2.11E-06	1.08E-03	1.71E-03	5.97E-04	2.67E-06	2.07E-03	2.67E-03
4798	487863.09, 3861377.25	0.03986	0.03162	0.03622	6.12E-04	2.30E-06	9.71E-04	0.001585	6.25E-04	2.27E-06	1.08E-03	1.71E-03	5.94E-04	2.88E-06	2.07E-03	2.67E-03
4799	488363.09, 3861377.25	0.03957	0.03088	0.03645	6.07E-04	2.25E-06	9.78E-04	0.001587	6.20E-04	2.21E-06	1.09E-03	1.71E-03	5.89E-04	2.81E-06	2.09E-03	2.68E-03
4800	488863.09, 3861377.25	0.04003	0.03118	0.03752	6.14E-04	2.27E-06	1.01E-03	0.001623	6.28E-04	2.23E-06	1.12E-03	1.75E-03	5.96E-04	2.84E-06	2.15E-03	2.75E-03
4801	489363.09, 3861377.25	0.04026	0.03215	0.03803	6.18E-04	2.34E-06	1.02E-03	0.00164	6.31E-04	2.30E-06	1.13E-03	1.77E-03	6.00E-04	2.92E-06	2.18E-03	2.78E-03
4802	489863.09, 3861377.25	0.04068	0.03264	0.03899	6.24E-04	2.38E-06	1.05E-03	0.001672	6.38E-04	2.34E-06	1.16E-03	1.80E-03	6.06E-04	2.97E-06	2.23E-03	2.84E-03
4803	490363.09, 3861377.25	0.04104	0.03334	0.03979	6.30E-04	2.43E-06	1.07E-03	0.001699	6.43E-04	2.39E-06	1.19E-03	1.83E-03	6.11E-04	3.03E-06	2.28E-03	2.89E-03
4804	490863.09, 3861377.25	0.04113	0.03395	0.04039	6.31E-04	2.47E-06	1.08E-03	0.001717	6.45E-04	2.43E-06	1.20E-03	1.85E-03	6.13E-04	3.09E-06	2.31E-03	2.93E-03
4805	491363.09, 3861377.25	0.03968	0.03317	0.0392	6.09E-04	2.41E-06	1.05E-03	0.001663	6.22E-04	2.38E-06	1.17E-03	1.79E-03	5.91E-04	3.02E-06	2.25E-03	2.84E-03
4806	491863.09, 3861377.25	0.03765	0.03142	0.03723	5.78E-04	2.29E-06	9.99E-04	0.001579	5.90E-04	2.25E-06	1.11E-03	1.70E-03	5.61E-04	2.86E-06	2.13E-03	2.70E-03
4807	492363.09, 3861377.25	0.03673	0.03048	0.03645	5.64E-04	2.22E-06	9.78E-04	0.001543	5.76E-04	2.18E-06	1.09E-03	1.67E-03	5.47E-04	2.77E-06	2.09E-03	2.64E-03
4808	492863.09, 3861377.25	0.03692	0.0304	0.03678	5.67E-04	2.21E-06	9.86E-04	0.001555	5.79E-04	2.18E-06	1.10E-03	1.68E-03	5.50E-04	2.77E-06	2.11E-03	2.66E-03
4809	493363.09, 3861377.25	0.03789	0.03108	0.03796	5.81E-04	2.26E-06	1.02E-03	0.001602	5.94E-04	2.23E-06	1.13E-03	1.73E-03	5.64E-04	2.83E-06	2.17E-03	2.74E-03
4810	493863.09, 3861377.25	0.03861	0.032	0.03906	5.92E-04	2.33E-06	1.05E-03	0.001642	6.05E-04	2.29E-06	1.17E-03	1.77E-03	5.75E-04	2.91E-06	2.24E-03	2.82E-03
4811	494363.09, 3861377.25	0.03881	0.03278	0.03966	5.96E-04	2.39E-06	1.06E-03	0.001662	6.09E-04	2.35E-06	1.18E-03	1.79E-03	5.78E-04	2.98E-06	2.27E-03	2.85E-03
4812	494863.09, 3861377.25	0.03856	0.03322	0.03971	5.92E-04	2.42E-06	1.07E-03	0.001659	6.05E-04	2.38E-06	1.18E-03	1.79E-03	5.74E-04	3.02E-06	2.27E-03	2.85E-03
4813	495363.09, 3861377.25	0.03788	0.03326	0.03923	5.81E-04	2.42E-06	1.05E-03	0.001636	5.94E-04	2.38E-06	1.17E-03	1.77E-03	5.64E-04	3.03E-06	2.25E-03	2.81E-03
4814	495863.09, 3861377.25	0.03688	0.03289	0.03834	5.66E-04	2.39E-06	1.03E-03	0.001597	5.78E-04	2.36E-06	1.14E-03	1.72E-03	5.49E-04	2.99E-06	2.20E-03	2.75E-03
4815	496363.09, 3861377.25	0.03636	0.0328	0.03797	5.58E-04	2.39E-06	1.02E-03	0.001579	5.70E-04	2.35E-06	1.13E-03	1.71E-03	5.42E-04	2.98E-06	2.18E-03	2.72E-03
4816	496863.09, 3861377.25	0.03595	0.03267	0.03777	5.52E-04	2.38E-06	1.01E-03	0.001567	5.64E-04	2.34E-06	1.13E-03	1.69E-03	5.36E-04	2.97E-06	2.16E-03	2.70E-03
4817	497363.09, 3861377.25	0.03504	0.03193	0.03693	5.38E-04	2.32E-06	9.90E-04	0.00153	5.49E-04	2.29E-06	1.10E-03	1.65E-03	5.22E-04	2.90E-06	2.12E-03	2.64E-03
4818	497863.09, 3861377.25	0.03415	0.03116	0.03605	5.24E-04	2.27E-06	9.67E-04	0.001493	5.35E-04	2.23E-06	1.08E-03	1.61E-03	5.09E-04	2.83E-06	2.07E-03	2.58E-03
4819	498363.09, 3861377.25	0.03334	0.03048	0.03524	5.12E-04	2.22E-06	9.45E-04	0.001459	5.23E-04	2.18E-06	1.05E-03	1.58E-03	4.97E-04	2.77E-06	2.02E-03	2.52E-03
4820	471363.09, 3861877.25	0.01015	0.01029	0.01005	1.56E-04	7.49E-07	2.70E-04	0.000426	1.59E-04	7.37E-07	3.00E-04	4.60E-04	1.51E-04	9.36E-07	5.76E-04	7.28E-04
4821	471863.09, 3861877.25	0.01058	0.01002	0.01047	1.62E-04	7.29E-07	2.81E-04	0.000444	1.66E-04	7.18E-07	3.12E-04	4.79E-04	1.58E-04	9.11E-07	6.00E-04	7.58E-04
4822	472363.09, 3861877.25	0.01105	0.00998	0.01093	1.70E-04	7.26E-07	2.93E-04	0.000463	1.73E-04	7.15E-07	3.26E-04	5.00E-04	1.65E-04	9.08E-07	6.26E-04	7.92E-04
4823	472863.09, 3861877.25	0.01156	0.01028	0.01143	1.77E-04	7.48E-07	3.07E-04	0.000485	1.81E-04	7.37E-07	3.41E-04	5.23E-04	1.72E-04	9.35E-07	6.55E-04	8.28E-04
4824	473363.09, 3861877.25	0.01211	0.0109	0.01195	1.86E-04	7.93E-07	3.21E-04	0.000507	1.90E-04	7.81E-07	3.56E-04	5.47E-04	1.80E-04	9.91E-07	6.85E-04	8.66E-04
4825	473863.09, 3861877.25	0.01264	0.01171	0.01246	1.94E-04	8.52E-07	3.34E-04	0.000529	1.98E-04	8.39E-07	3.72E-04	5.71E-04	1.88E-04	1.07E-06	7.14E-04	9.03E-04
4826	474363.09, 3861877.25	0.01323	0.01249	0.01302	2.03E-04	9.09E-07	3.49E-04	0.000553	2.07E-04	8.95E-07	3.88E-04	5.97E-04	1.97E-04	1.14E-06	7.46E-04	9.44E-04
4827	474863.09, 3861877.25	0.01379	0.01304	0.01356	2.12E-04	9.49E-07	3.64E-04	0.000576	2.16E-04	9.34E-07	4.05E-04	6.22E-04	2.05E-04	1.19E-06	7.77E-04	9.83E-04
4828	475363.09, 3861877.25	0.01443	0.01341	0.01415	2.21E-04	9.76E-07	3.80E-04	0.000602	2.26E-04	9.61E-07	4.22E-04	6.49E-04	2.15E-04	1.22E-06	8.11E-04	1.03E-03
4829	475863.09, 3861877.25	0.01515	0.01375	0.01483	2.32E-04	1.00E-06	3.98E-04	0.000631	2.38E-04	9.85E-07	4.42E-04	6.81E-04	2.26E-04	1.25E-06	8.50E-04	1.08E-03
4830	476363.09, 3861877.25	0.01576	0.01409	0.0155	2.42E-04	1.03E-06	4.16E-04	0.000659	2.47E-04	1.01E-06	4.62E-04	7.11E-04	2.35E-04	1.28E-06	8.88E-04	1.12E-03
4831	476863.09, 3861877.25	0.01614	0.01468	0.01599	2.48E-04	1.07E-06	4.29E-04	0.000678	2.53E-04	1.05E-06	4.77E-04	7.31E-04	2.40E-04	1.34E-06	9.16E-04	1.16E-03
4832	477363.09, 3861877.25	0.01634	0.01599	0.01624	2.51E-04	1.16E-06	4.36E-04	0.000687	2.56E-04	1.15E-06	4.84E-04	7.42E-04	2.43E-04	1.45E-06	9.30E-04	1.18E-03
4833	477863.09, 3861877.25	0.01322	0.01384	0.01318	2.03E-04	1.01E-06	3.53E-04	0.000557	2.07E-04	9.92E-07	3.93E-04	6.01E-04	1.97E-04	1.26E-06	7.55E-04	9.53E-04
4834	478363.09, 3861877.25	0.0063	0.00608	0.00594	9.67E-05	4.43E-07	1.59E-04	0.000256	9.88E-05	4.36E-07	1.77E-04	2.76E-04	9.39E-05	5.53E-07	3.40E-04	4.35E-04
4835	478863.09, 3861877.25	0.0111	0.01064	0.01092	1.70E-04	7.75E-07	2.93E-04	0.000464	1.74E-04	7.62E-07	3.26E-04	5.01E-04	1.65E-04	9.68E-07	6.26E-04	7.92E-04
4836	479363.09, 3861877.25	0.01006	0.00931	0.00979	1.54E-04	6.78E-07	2.63E-04	0.000418	1.58E-04	6.67E-07	2.92E-04	4.50E-04	1.50E-04	8.47E-07	5.61E-04	7.12E-04
4837	479863.09, 3861877.25	0.02163	0.02052	0.02128	3.32E-04	1.49E-06	5.71E-04	0.000904	3.39E-04	1.47E-06	6.35E-04	9.75E-04	3.22E-04	1.87E-06	1.22E-03	1.54E-03
4838	480363.09, 3861877.25	0.02432	0.02231	0.02334	3.73E-04	1.62E-06	6.26E-04	0.001001	3.81E-04	1.60E-06	6.96E-04	1.08E-03	3.62E-04	2.03E-06	1.34E-03	1.70E-03
4839	480863.09, 3861877.25	0.02566	0.02214	0.02449	3.94E-04	1.61E-06	6.57E-04	0.001052	4.02E-04	1.59E-06	7.31E-04	1.13E-03	3.82E-04	2.01E-06	1.40E-03	1.79E-03
4840	481363.09, 3861877.25	0.02698	0.0225	0.0256	4.14E-04	1.64E-06	6.87E-04	0.001102	4.23E-04	1.61E-06	7.64E-04	1.19E-03	4.02E-04	2.05E-06	1.47E-03	1.87E-03
4841	481863.09, 3861877.25	0.0284	0.02398	0.02672	4.36E-04	1.75E-06	7.17E-04	0.001154	4.45E-04	1.72E-06	7.97E-04	1.24E-03	4.23E-04	2.18E-06	1.53E-03	1.96E-03

4842	482363.09, 3861877.25	0.02984	0.02475	0.02792	4.58E-04	1.80E-06	7.49E-04	0.001209	4.68E-04	1.77E-06	8.33E-04	1.30E-03	4.45E-04	2.25E-06	1.60E-03	2.05E-03
4843	482863.09, 3861877.25	0.0312	0.0255	0.02915	4.79E-04	1.86E-06	7.82E-04	0.001262	4.89E-04	1.83E-06	8.70E-04	1.36E-03	4.65E-04	2.32E-06	1.67E-03	2.14E-03
4844	483363.09, 3861877.25	0.03235	0.02635	0.03011	4.96E-04	1.92E-06	8.08E-04	0.001306	5.07E-04	1.89E-06	8.98E-04	1.41E-03	4.82E-04	2.40E-06	1.72E-03	2.21E-03
4845	483863.09, 3861877.25	0.03331	0.02638	0.03081	5.11E-04	1.92E-06	8.26E-04	0.001339	5.22E-04	1.89E-06	9.19E-04	1.44E-03	4.96E-04	2.40E-06	1.76E-03	2.26E-03
4846	484363.09, 3861877.25	0.03395	0.02643	0.03121	5.21E-04	1.92E-06	8.37E-04	0.00136	5.32E-04	1.89E-06	9.31E-04	1.47E-03	5.06E-04	2.40E-06	1.79E-03	2.30E-03
4847	484863.09, 3861877.25	0.03461	0.02642	0.03178	5.31E-04	1.92E-06	8.52E-04	0.001385	5.43E-04	1.89E-06	9.48E-04	1.49E-03	5.16E-04	2.40E-06	1.82E-03	2.34E-03
4848	485363.09, 3861877.25	0.03472	0.02714	0.0317	5.33E-04	1.98E-06	8.50E-04	0.001385	5.44E-04	1.94E-06	9.46E-04	1.49E-03	5.17E-04	2.47E-06	1.82E-03	2.34E-03
4849	485863.09, 3861877.25	0.03442	0.02806	0.03118	5.28E-04	2.04E-06	8.36E-04	0.001366	5.40E-04	2.01E-06	9.30E-04	1.47E-03	5.13E-04	2.55E-06	1.79E-03	2.30E-03
4850	486363.09, 3861877.25	0.03433	0.02664	0.03082	5.27E-04	1.94E-06	8.27E-04	0.001355	5.38E-04	1.91E-06	9.19E-04	1.46E-03	5.11E-04	2.42E-06	1.77E-03	2.28E-03
4851	486863.09, 3861877.25	0.03401	0.02525	0.03044	5.22E-04	1.84E-06	8.16E-04	0.00134	5.33E-04	1.81E-06	9.08E-04	1.44E-03	5.07E-04	2.30E-06	1.74E-03	2.25E-03
4852	487363.09, 3861877.25	0.03367	0.02461	0.0303	5.17E-04	1.79E-06	8.13E-04	0.001331	5.28E-04	1.76E-06	9.04E-04	1.43E-03	5.02E-04	2.24E-06	1.74E-03	2.24E-03
4853	487863.09, 3861877.25	0.0334	0.02665	0.03035	5.13E-04	1.94E-06	8.14E-04	0.001328	5.24E-04	1.91E-06	9.05E-04	1.43E-03	4.98E-04	2.42E-06	1.74E-03	2.24E-03
4854	488363.09, 3861877.25	0.03313	0.02687	0.03052	5.08E-04	1.96E-06	8.19E-04	0.001329	5.19E-04	1.93E-06	9.10E-04	1.43E-03	4.94E-04	2.44E-06	1.75E-03	2.24E-03
4855	488863.09, 3861877.25	0.03313	0.0261	0.03102	5.08E-04	1.90E-06	8.32E-04	0.001342	5.19E-04	1.87E-06	9.25E-04	1.45E-03	4.94E-04	2.37E-06	1.78E-03	2.27E-03
4856	489363.09, 3861877.25	0.0332	0.02688	0.03131	5.09E-04	1.96E-06	8.40E-04	0.001351	5.21E-04	1.93E-06	9.34E-04	1.46E-03	4.95E-04	2.45E-06	1.79E-03	2.29E-03
4857	489863.09, 3861877.25	0.03348	0.02732	0.03194	5.14E-04	1.99E-06	8.57E-04	0.001372	5.25E-04	1.96E-06	9.53E-04	1.48E-03	4.99E-04	2.49E-06	1.83E-03	2.33E-03
4858	490363.09, 3861877.25	0.03343	0.02746	0.0322	5.13E-04	2.00E-06	8.64E-04	0.001379	5.24E-04	1.97E-06	9.61E-04	1.49E-03	4.98E-04	2.50E-06	1.84E-03	2.35E-03
4859	490863.09, 3861877.25	0.03378	0.02809	0.03293	5.18E-04	2.04E-06	8.83E-04	0.001404	5.30E-04	2.01E-06	9.82E-04	1.51E-03	5.03E-04	2.56E-06	1.89E-03	2.39E-03
4860	491363.09, 3861877.25	0.03409	0.02877	0.03366	5.23E-04	2.09E-06	9.03E-04	0.001428	5.35E-04	2.06E-06	1.00E-03	1.54E-03	5.08E-04	2.62E-06	1.93E-03	2.44E-03
4861	491863.09, 3861877.25	0.03326	0.02841	0.03304	5.10E-04	2.07E-06	8.86E-04	0.001399	5.21E-04	2.04E-06	9.86E-04	1.51E-03	4.95E-04	2.58E-06	1.89E-03	2.39E-03
4862	492363.09, 3861877.25	0.03143	0.02684	0.03122	4.82E-04	1.95E-06	8.37E-04	0.001322	4.93E-04	1.92E-06	9.31E-04	1.43E-03	4.68E-04	2.44E-06	1.79E-03	2.26E-03
4863	492863.09, 3861877.25	0.03043	0.02588	0.0303	4.67E-04	1.88E-06	8.13E-04	0.001281	4.77E-04	1.85E-06	9.04E-04	1.38E-03	4.53E-04	2.35E-06	1.74E-03	2.19E-03
4864	493363.09, 3861877.25	0.03022	0.02562	0.03024	4.64E-04	1.86E-06	8.11E-04	0.001277	4.74E-04	1.84E-06	9.02E-04	1.38E-03	4.50E-04	2.33E-06	1.73E-03	2.18E-03
4865	493863.09, 3861877.25	0.03064	0.02583	0.03079	4.70E-04	1.88E-06	8.26E-04	0.001298	4.80E-04	1.85E-06	9.19E-04	1.40E-03	4.56E-04	2.35E-06	1.76E-03	2.22E-03
4866	494363.09, 3861877.25	0.03135	0.02642	0.03171	4.81E-04	1.92E-06	8.50E-04	0.001333	4.92E-04	1.89E-06	9.46E-04	1.44E-03	4.67E-04	2.40E-06	1.82E-03	2.29E-03
4867	494863.09, 3861877.25	0.03204	0.02729	0.03271	4.92E-04	1.99E-06	8.77E-04	0.001371	5.02E-04	1.96E-06	9.76E-04	1.48E-03	4.77E-04	2.48E-06	1.87E-03	2.35E-03
4868	495363.09, 3861877.25	0.03215	0.02788	0.03313	4.93E-04	2.03E-06	8.89E-04	0.001384	5.04E-04	2.00E-06	9.88E-04	1.49E-03	4.79E-04	2.54E-06	1.90E-03	2.38E-03
4869	495863.09, 3861877.25	0.03184	0.02814	0.03304	4.89E-04	2.05E-06	8.86E-04	0.001377	4.99E-04	2.02E-06	9.86E-04	1.49E-03	4.74E-04	2.56E-06	1.89E-03	2.37E-03
4870	496363.09, 3861877.25	0.03141	0.02824	0.03275	4.82E-04	2.06E-06	8.78E-04	0.001362	4.92E-04	2.02E-06	9.77E-04	1.47E-03	4.68E-04	2.57E-06	1.88E-03	2.35E-03
4871	496863.09, 3861877.25	0.03215	0.02937	0.03382	4.93E-04	2.14E-06	9.07E-04	0.001403	5.04E-04	2.10E-06	1.01E-03	1.52E-03	4.79E-04	2.67E-06	1.94E-03	2.42E-03
4872	497363.09, 3861877.25	0.03067	0.02824	0.03225	4.71E-04	2.06E-06	8.65E-04	0.001338	4.81E-04	2.02E-06	9.62E-04	1.44E-03	4.57E-04	2.57E-06	1.85E-03	2.31E-03
4873	497863.09, 3861877.25	0.02968	0.02744	0.03124	4.55E-04	2.00E-06	8.38E-04	0.001295	4.65E-04	1.97E-06	9.32E-04	1.40E-03	4.42E-04	2.50E-06	1.79E-03	2.23E-03
4874	498363.09, 3861877.25	0.02893	0.02679	0.03052	4.44E-04	1.95E-06	8.19E-04	0.001264	4.54E-04	1.92E-06	9.10E-04	1.37E-03	4.31E-04	2.44E-06	1.75E-03	2.18E-03
4875	471363.09, 3862377.25	0.00991	0.0091	0.00981	1.52E-04	6.62E-07	2.63E-04	0.000416	1.55E-04	6.52E-07	2.93E-04	4.49E-04	1.48E-04	8.28E-07	5.62E-04	7.10E-04
4876	471863.09, 3862377.25	0.0103	0.0092	0.01019	1.58E-04	6.70E-07	2.73E-04	0.000432	1.61E-04	6.59E-07	3.04E-04	4.66E-04	1.53E-04	8.37E-07	5.84E-04	7.38E-04
4877	472363.09, 3862377.25	0.01076	0.00958	0.01062	1.65E-04	6.97E-07	2.85E-04	0.000451	1.69E-04	6.86E-07	3.17E-04	4.86E-04	1.60E-04	8.71E-07	6.08E-04	7.70E-04
4878	472863.09, 3862377.25	0.01123	0.01016	0.01106	1.72E-04	7.40E-07	2.97E-04	0.00047	1.76E-04	7.28E-07	3.30E-04	5.07E-04	1.67E-04	9.24E-07	6.34E-04	8.02E-04
4879	473363.09, 3862377.25	0.01171	0.0108	0.01151	1.80E-04	7.86E-07	3.09E-04	0.000489	1.84E-04	7.74E-07	3.43E-04	5.28E-04	1.74E-04	9.82E-07	6.59E-04	8.35E-04
4880	473863.09, 3862377.25	0.01221	0.01135	0.01196	1.87E-04	8.26E-07	3.21E-04	0.000509	1.91E-04	8.13E-07	3.57E-04	5.49E-04	1.82E-04	1.03E-06	6.85E-04	8.68E-04
4881	474363.09, 3862377.25	0.01269	0.01176	0.0124	1.95E-04	8.56E-07	3.33E-04	0.000528	1.99E-04	8.43E-07	3.70E-04	5.70E-04	1.89E-04	1.07E-06	7.10E-04	9.00E-04
4882	474863.09, 3862377.25	0.01311	0.01202	0.01283	2.01E-04	8.75E-07	3.44E-04	0.000546	2.06E-04	8.61E-07	3.83E-04	5.89E-04	1.95E-04	1.09E-06	7.35E-04	9.31E-04
4883	475363.09, 3862377.25	0.01374	0.01247	0.01341	2.11E-04	9.08E-07	3.60E-04	0.000571	2.15E-04	8.94E-07	4.00E-04	6.16E-04	2.05E-04	1.13E-06	7.68E-04	9.74E-04
4884	475863.09, 3862377.25	0.01437	0.01309	0.01402	2.21E-04	9.53E-07	3.76E-04	0.000597	2.25E-04	9.38E-07	4.18E-04	6.44E-04	2.14E-04	1.19E-06	8.03E-04	1.02E-03
4885	476363.09, 3862377.25	0.01498	0.01407	0.01463	2.30E-04	1.02E-06	3.92E-04	0.000623	2.35E-04	1.01E-06	4.36E-04	6.72E-04	2.23E-04	1.28E-06	8.38E-04	1.06E-03
4886	476863.09, 3862377.25	0.01558	0.01553	0.01522	2.39E-04	1.13E-06	4.08E-04	0.000648	2.44E-04	1.11E-06	4.54E-04	6.99E-04	2.32E-04	1.41E-06	8.72E-04	1.11E-03
4887	477363.09, 3862377.25	0.01596	0.01671	0.01562	2.45E-04	1.22E-06	4.19E-04	0.000665	2.50E-04	1.20E-06	4.66E-04	7.17E-04	2.38E-04	1.52E-06	8.95E-04	1.13E-03
4888	477863.09, 3862377.25	0.01413	0.0145	0.01409	2.17E-04	1.06E-06	3.78E-04	0.000596	2.22E-04	1.04E-06	4.20E-04	6.43E-04	2.10E-04	1.32E-06	8.07E-04	1.02E-03
4889	478363.09, 3862377.25	0.01147	0.01088	0.0114	1.76E-04	7.92E-07	3.06E-04	0.000483	1.80E-04	7.80E-07	3.40E-04	5.21E-04	1.71E-04	9.90E-07	6.53E-04	8.25E-04
4890	478863.09, 3862377.25	0.01231	0.01129	0.01226	1.89E-04	8.22E-07	3.29E-04	0.000519	1.93E-04	8.09E-07	3.66E-04	5.60E-04	1.83E-04	1.03E-06	7.02E-04	8.87E-04
4891	479363.09, 3862377.25	0.01488	0.01424	0.01488	2.28E-04	1.04E-06	3.99E-04	0.000628	2.33E-04	1.02E-06	4.44E-04	6.78E-04	2.22E-04	1.30E-06	8.52E-04	1.08E-03
4892	479863.09, 3862377.25	0.0203	0.01962	0.01965	3.12E-04	1.43E-06	5.27E-04	0.00084	3.18E-04	1.41E-06	5.86E-04	9.06E-04	3.02E-04	1.78E-06	1.13E-03	1.43E-03
4893	480363.09, 3862377.25	0.02213	0.01998	0.02102	3.40E-04	1.45E-06	5.64E-04	0.000905	3.47E-04	1.43E-06	6.27E-04	9.75E-04	3.30E-04	1.82E-06	1.20E-03	1.54E-03
4894	480863.09, 3862377.25	0.02323	0.01956	0.02192	3.56E-04	1.42E-06	5.88E-04	0.000946	3.64E-04	1.40E-06	6.54E-04	1.02E-03	3.46E-04	1.78E-06	1.26E-03	1.60E-03
4895	481363.09, 3862377.25	0.02436	0.02013	0.02289	3.74E-04	1.47E-06	6.14E-04	0.000989	3.82E-04	1.44E-06	6.83E-04	1.07E-03	3.63E-04	1.83E-06	1.31E-03	1.68E-03
4896	481863.09, 3862377.25	0.0255	0.0216	0.02386	3.91E-04	1.57E-06	6.40E-04	0.001033	4.00E-04	1.55E-06	7.12E-04	1.11E-03	3.80E-04	1.96E-06	1.37E-03	1.75E-03
4897	482363.09, 3862377.25	0.02662	0.02243	0.02489	4.08E-04	1.63E-06	6.68E-04	0.001078	4.17E-04	1.61E-06	7.43E-04	1.16E-03	3.97E-04	2.04E-06	1.43E-03	1.82E-03
4898	482863.09, 3862377.25	0.02765	0.02286	0.02582	4.24E-04	1.66E-06	6.93E-04	0.001118	4.34E-04	1.64E-06	7.70E-04	1.21E-03	4.12E-04	2.08E-06	1.48E-03	1.89E-03

4899	483363.09, 3862377.25	0.02857	0.02332	0.02653	4.38E-04	1.70E-06	7.12E-04	0.001152	4.48E-04	1.67E-06	7.91E-04	1.24E-03	4.26E-04	2.12E-06	1.52E-03	1.95E-03
4900	483863.09, 3862377.25	0.02912	0.02346	0.02681	4.47E-04	1.71E-06	7.19E-04	0.001168	4.57E-04	1.68E-06	8.00E-04	1.26E-03	4.34E-04	2.13E-06	1.54E-03	1.97E-03
4901	484363.09, 3862377.25	0.02966	0.02299	0.02722	4.55E-04	1.67E-06	7.30E-04	0.001187	4.65E-04	1.65E-06	8.12E-04	1.28E-03	4.42E-04	2.09E-06	1.56E-03	2.00E-03
4902	484863.09, 3862377.25	0.0297	0.02213	0.0271	4.56E-04	1.61E-06	7.27E-04	0.001184	4.66E-04	1.59E-06	8.08E-04	1.28E-03	4.42E-04	2.01E-06	1.55E-03	2.00E-03
4903	485363.09, 3862377.25	0.02968	0.02349	0.02693	4.55E-04	1.71E-06	7.22E-04	0.001179	4.65E-04	1.68E-06	8.03E-04	1.27E-03	4.42E-04	2.14E-06	1.54E-03	1.99E-03
4904	485863.09, 3862377.25	0.02972	0.02436	0.02681	4.56E-04	1.77E-06	7.19E-04	0.001177	4.66E-04	1.75E-06	8.00E-04	1.27E-03	4.43E-04	2.22E-06	1.54E-03	1.98E-03
4905	486363.09, 3862377.25	0.02942	0.02332	0.02633	4.51E-04	1.70E-06	7.06E-04	0.001159	4.61E-04	1.67E-06	7.85E-04	1.25E-03	4.38E-04	2.12E-06	1.51E-03	1.95E-03
4906	486863.09, 3862377.25	0.02907	0.02205	0.026	4.46E-04	1.61E-06	6.97E-04	0.001145	4.56E-04	1.58E-06	7.76E-04	1.23E-03	4.33E-04	2.01E-06	1.49E-03	1.92E-03
4907	487363.09, 3862377.25	0.02873	0.02101	0.02575	4.41E-04	1.53E-06	6.91E-04	0.001133	4.50E-04	1.51E-06	7.68E-04	1.22E-03	4.28E-04	1.91E-06	1.48E-03	1.90E-03
4908	487863.09, 3862377.25	0.02855	0.0225	0.02587	4.38E-04	1.64E-06	6.94E-04	0.001134	4.48E-04	1.61E-06	7.72E-04	1.22E-03	4.25E-04	2.05E-06	1.48E-03	1.91E-03
4909	488363.09, 3862377.25	0.02833	0.02359	0.02605	4.35E-04	1.72E-06	6.99E-04	0.001135	4.44E-04	1.69E-06	7.77E-04	1.22E-03	4.22E-04	2.15E-06	1.49E-03	1.92E-03
4910	488863.09, 3862377.25	0.0283	0.02285	0.02645	4.34E-04	1.66E-06	7.09E-04	0.001145	4.44E-04	1.64E-06	7.89E-04	1.23E-03	4.22E-04	2.08E-06	1.52E-03	1.94E-03
4911	489363.09, 3862377.25	0.02841	0.0229	0.02676	4.36E-04	1.67E-06	7.18E-04	0.001155	4.45E-04	1.64E-06	7.98E-04	1.25E-03	4.23E-04	2.08E-06	1.53E-03	1.96E-03
4912	489863.09, 3862377.25	0.02863	0.02378	0.0272	4.39E-04	1.73E-06	7.30E-04	0.001171	4.49E-04	1.70E-06	8.11E-04	1.26E-03	4.27E-04	2.16E-06	1.56E-03	1.99E-03
4913	490363.09, 3862377.25	0.02877	0.02383	0.02763	4.41E-04	1.73E-06	7.41E-04	0.001184	4.51E-04	1.71E-06	8.24E-04	1.28E-03	4.29E-04	2.17E-06	1.58E-03	2.01E-03
4914	490863.09, 3862377.25	0.0288	0.02407	0.02787	4.42E-04	1.75E-06	7.47E-04	0.001191	4.52E-04	1.72E-06	8.31E-04	1.28E-03	4.29E-04	2.19E-06	1.60E-03	2.03E-03
4915	491363.09, 3862377.25	0.02904	0.02456	0.02845	4.46E-04	1.79E-06	7.63E-04	0.00121	4.55E-04	1.76E-06	8.49E-04	1.31E-03	4.33E-04	2.23E-06	1.63E-03	2.06E-03
4916	491863.09, 3862377.25	0.02911	0.02499	0.02886	4.47E-04	1.82E-06	7.74E-04	0.001223	4.56E-04	1.79E-06	8.61E-04	1.32E-03	4.34E-04	2.27E-06	1.65E-03	2.09E-03
4917	492363.09, 3862377.25	0.02851	0.02476	0.02844	4.37E-04	1.80E-06	7.63E-04	0.001202	4.47E-04	1.77E-06	8.48E-04	1.30E-03	4.25E-04	2.25E-06	1.63E-03	2.06E-03
4918	492863.09, 3862377.25	0.02722	0.02366	0.02714	4.18E-04	1.72E-06	7.28E-04	0.001147	4.27E-04	1.70E-06	8.10E-04	1.24E-03	4.05E-04	2.15E-06	1.55E-03	1.96E-03
4919	493363.09, 3862377.25	0.02622	0.02269	0.02617	4.02E-04	1.65E-06	7.02E-04	0.001106	4.11E-04	1.63E-06	7.81E-04	1.19E-03	3.91E-04	2.06E-06	1.50E-03	1.89E-03
4920	493863.09, 3862377.25	0.02578	0.02228	0.02585	3.96E-04	1.62E-06	6.93E-04	0.001091	4.04E-04	1.60E-06	7.71E-04	1.18E-03	3.84E-04	2.03E-06	1.48E-03	1.87E-03
4921	494363.09, 3862377.25	0.0258	0.02226	0.026	3.96E-04	1.62E-06	6.97E-04	0.001095	4.05E-04	1.59E-06	7.76E-04	1.18E-03	3.84E-04	2.02E-06	1.49E-03	1.88E-03
4922	494863.09, 3862377.25	0.02629	0.02259	0.02662	4.03E-04	1.64E-06	7.14E-04	0.001119	4.12E-04	1.62E-06	7.94E-04	1.21E-03	3.92E-04	2.05E-06	1.52E-03	1.92E-03
4923	495363.09, 3862377.25	0.02672	0.02301	0.02725	4.10E-04	1.67E-06	7.31E-04	0.001143	4.19E-04	1.65E-06	8.13E-04	1.23E-03	3.98E-04	2.09E-06	1.56E-03	1.96E-03
4924	495863.09, 3862377.25	0.02708	0.0236	0.02787	4.16E-04	1.72E-06	7.47E-04	0.001165	4.25E-04	1.69E-06	8.31E-04	1.26E-03	4.03E-04	2.15E-06	1.60E-03	2.00E-03
4925	496363.09, 3862377.25	0.02709	0.02402	0.02811	4.16E-04	1.75E-06	7.54E-04	0.001171	4.25E-04	1.72E-06	8.39E-04	1.27E-03	4.04E-04	2.18E-06	1.61E-03	2.02E-03
4926	496863.09, 3862377.25	0.02712	0.02449	0.02833	4.16E-04	1.78E-06	7.60E-04	0.001178	4.25E-04	1.75E-06	8.45E-04	1.27E-03	4.04E-04	2.23E-06	1.62E-03	2.03E-03
4927	497363.09, 3862377.25	0.02653	0.02433	0.02782	4.07E-04	1.77E-06	7.46E-04	0.001155	4.16E-04	1.74E-06	8.30E-04	1.25E-03	3.95E-04	2.21E-06	1.59E-03	1.99E-03
4928	497863.09, 3862377.25	0.02596	0.02411	0.0273	3.98E-04	1.76E-06	7.32E-04	0.001132	4.07E-04	1.73E-06	8.14E-04	1.22E-03	3.87E-04	2.19E-06	1.56E-03	1.95E-03
4929	498363.09, 3862377.25	0.02527	0.02365	0.02662	3.88E-04	1.72E-06	7.14E-04	0.001103	3.96E-04	1.69E-06	7.94E-04	1.19E-03	3.76E-04	2.15E-06	1.52E-03	1.90E-03
4930	471363.09, 3862877.25	0.00963	0.00849	0.00951	1.48E-04	6.18E-07	2.55E-04	0.000403	1.51E-04	6.08E-07	2.84E-04	4.35E-04	1.43E-04	7.72E-07	5.45E-04	6.89E-04
4931	471863.09, 3862877.25	0.01001	0.00888	0.00986	1.54E-04	6.46E-07	2.64E-04	0.000419	1.57E-04	6.36E-07	2.94E-04	4.52E-04	1.49E-04	8.08E-07	5.65E-04	7.15E-04
4932	472363.09, 3862877.25	0.01041	0.0094	0.01022	1.60E-04	6.84E-07	2.74E-04	0.000435	1.63E-04	6.74E-07	3.05E-04	4.69E-04	1.55E-04	8.55E-07	5.85E-04	7.41E-04
4933	472863.09, 3862877.25	0.01081	0.00992	0.01059	1.66E-04	7.22E-07	2.84E-04	0.000451	1.69E-04	7.11E-07	3.16E-04	4.86E-04	1.61E-04	9.02E-07	6.07E-04	7.69E-04
4934	473363.09, 3862877.25	0.01124	0.01039	0.01101	1.72E-04	7.56E-07	2.95E-04	0.000469	1.76E-04	7.44E-07	3.28E-04	5.05E-04	1.67E-04	9.45E-07	6.31E-04	7.99E-04
4935	473863.09, 3862877.25	0.01165	0.01081	0.01139	1.79E-04	7.87E-07	3.05E-04	0.000485	1.83E-04	7.75E-07	3.40E-04	5.23E-04	1.74E-04	9.83E-07	6.52E-04	8.27E-04
4936	474363.09, 3862877.25	0.01206	0.01121	0.01173	1.85E-04	8.16E-07	3.15E-04	0.0005	1.89E-04	8.03E-07	3.50E-04	5.40E-04	1.80E-04	1.02E-06	6.72E-04	8.53E-04
4937	474863.09, 3862877.25	0.01249	0.01156	0.01214	1.92E-04	8.41E-07	3.26E-04	0.000518	1.96E-04	8.28E-07	3.62E-04	5.59E-04	1.86E-04	1.05E-06	6.95E-04	8.83E-04
4938	475363.09, 3862877.25	0.01301	0.01218	0.0127	2.00E-04	8.87E-07	3.41E-04	0.000541	2.04E-04	8.73E-07	3.79E-04	5.84E-04	1.94E-04	1.11E-06	7.28E-04	9.22E-04
4939	475863.09, 3862877.25	0.01355	0.01302	0.01322	2.08E-04	9.48E-07	3.55E-04	0.000563	2.12E-04	9.33E-07	3.94E-04	6.08E-04	2.02E-04	1.18E-06	7.57E-04	9.60E-04
4940	476363.09, 3862877.25	0.01412	0.01384	0.01375	2.17E-04	1.01E-06	3.69E-04	0.000586	2.21E-04	9.92E-07	4.10E-04	6.33E-04	2.10E-04	1.26E-06	7.88E-04	9.99E-04
4941	476863.09, 3862877.25	0.01469	0.01468	0.01419	2.25E-04	1.07E-06	3.81E-04	0.000607	2.30E-04	1.05E-06	4.23E-04	6.55E-04	2.19E-04	1.34E-06	8.13E-04	1.03E-03
4942	477363.09, 3862877.25	0.0152	0.0148	0.0147	2.33E-04	1.08E-06	3.94E-04	0.000629	2.38E-04	1.06E-06	4.39E-04	6.78E-04	2.26E-04	1.35E-06	8.42E-04	1.07E-03
4943	477863.09, 3862877.25	0.01501	0.01385	0.01475	2.30E-04	1.01E-06	3.96E-04	0.000627	2.35E-04	9.92E-07	4.40E-04	6.76E-04	2.24E-04	1.26E-06	8.45E-04	1.07E-03
4944	478363.09, 3862877.25	0.01311	0.01189	0.01308	2.01E-04	8.65E-07	3.51E-04	0.000553	2.06E-04	8.52E-07	3.90E-04	5.97E-04	1.95E-04	1.08E-06	7.49E-04	9.46E-04
4945	478863.09, 3862877.25	0.01384	0.01317	0.01378	2.12E-04	9.59E-07	3.70E-04	0.000583	2.17E-04	9.44E-07	4.11E-04	6.29E-04	2.06E-04	1.20E-06	7.89E-04	9.97E-04
4946	479363.09, 3862877.25	0.01494	0.01491	0.01473	2.29E-04	1.09E-06	3.95E-04	0.000625	2.34E-04	1.07E-06	4.39E-04	6.75E-04	2.23E-04	1.36E-06	8.44E-04	1.07E-03
4947	479863.09, 3862877.25	0.01929	0.01816	0.0183	2.96E-04	1.32E-06	4.91E-04	0.000788	3.02E-04	1.30E-06	5.46E-04	8.50E-04	2.87E-04	1.65E-06	1.05E-03	1.34E-03
4948	480363.09, 3862877.25	0.02027	0.01765	0.01902	3.11E-04	1.28E-06	5.10E-04	0.000822	3.18E-04	1.26E-06	5.67E-04	8.86E-04	3.02E-04	1.61E-06	1.09E-03	1.39E-03
4949	480863.09, 3862877.25	0.02117	0.01732	0.01989	3.25E-04	1.26E-06	5.33E-04	0.00086	3.32E-04	1.24E-06	5.93E-04	9.27E-04	3.15E-04	1.58E-06	1.14E-03	1.46E-03
4950	481363.09, 3862877.25	0.02206	0.01839	0.02068	3.39E-04	1.34E-06	5.55E-04	0.000895	3.46E-04	1.32E-06	6.17E-04	9.64E-04	3.29E-04	1.67E-06	1.18E-03	1.51E-03
4951	481863.09, 3862877.25	0.02306	0.02004	0.02165	3.54E-04	1.46E-06	5.81E-04	0.000936	3.62E-04	1.44E-06	6.46E-04	1.01E-03	3.44E-04	1.82E-06	1.24E-03	1.59E-03
4952	482363.09, 3862877.25	0.02386	0.02024	0.02227	3.66E-04	1.47E-06	5.97E-04	0.000965	3.74E-04	1.45E-06	6.64E-04	1.04E-03	3.55E-04	1.84E-06	1.28E-03	1.63E-03
4953	482863.09, 3862877.25	0.02471	0.0203	0.02298	3.79E-04	1.48E-06	6.16E-04	0.000997	3.87E-04	1.45E-06	6.86E-04	1.07E-03	3.68E-04	1.85E-06	1.32E-03	1.69E-03
4954	483363.09, 3862877.25	0.02538	0.02097	0.02347	3.89E-04	1.53E-06	6.29E-04	0.00102	3.98E-04	1.50E-06	7.00E-04	1.10E-03	3.78E-04	1.91E-06	1.34E-03	1.72E-03
4955	483863.09, 3862877.25	0.02575	0.02094	0.02366	3.95E-04	1.52E-06	6.35E-04	0.001031	4.04E-04	1.50E-06	7.06E-04	1.11E-03	3.84E-04	1.90E-06	1.36E-03	1.74E-03

4956	484363.09, 3862877.25	0.02598	0.01978	0.02373	3.99E-04	1.44E-06	6.36E-04	0.001037	4.07E-04	1.42E-06	7.08E-04	1.12E-03	3.87E-04	1.80E-06	1.36E-03	1.75E-03
4957	484863.09, 3862877.25	0.02586	0.0191	0.02345	3.97E-04	1.39E-06	6.29E-04	0.001027	4.05E-04	1.37E-06	7.00E-04	1.11E-03	3.85E-04	1.74E-06	1.34E-03	1.73E-03
4958	485363.09, 3862877.25	0.02588	0.0207	0.02337	3.97E-04	1.51E-06	6.27E-04	0.001025	4.06E-04	1.48E-06	6.97E-04	1.10E-03	3.86E-04	1.88E-06	1.34E-03	1.73E-03
4959	485863.09, 3862877.25	0.02576	0.0211	0.02311	3.95E-04	1.54E-06	6.20E-04	0.001017	4.04E-04	1.51E-06	6.89E-04	1.09E-03	3.84E-04	1.92E-06	1.32E-03	1.71E-03
4960	486363.09, 3862877.25	0.02572	0.02077	0.02298	3.95E-04	1.51E-06	6.16E-04	0.001013	4.03E-04	1.49E-06	6.86E-04	1.09E-03	3.83E-04	1.89E-06	1.32E-03	1.70E-03
4961	486863.09, 3862877.25	0.02525	0.01956	0.02255	3.87E-04	1.42E-06	6.05E-04	0.000994	3.96E-04	1.40E-06	6.73E-04	1.07E-03	3.76E-04	1.78E-06	1.29E-03	1.67E-03
4962	487363.09, 3862877.25	0.02497	0.01839	0.0223	3.83E-04	1.34E-06	5.98E-04	0.000983	3.92E-04	1.32E-06	6.65E-04	1.06E-03	3.72E-04	1.67E-06	1.28E-03	1.65E-03
4963	487863.09, 3862877.25	0.02477	0.01917	0.02235	3.80E-04	1.40E-06	5.99E-04	0.000981	3.88E-04	1.37E-06	6.67E-04	1.06E-03	3.69E-04	1.74E-06	1.28E-03	1.65E-03
4964	488363.09, 3862877.25	0.02465	0.02062	0.02259	3.78E-04	1.50E-06	6.06E-04	0.000986	3.86E-04	1.48E-06	6.74E-04	1.06E-03	3.67E-04	1.88E-06	1.29E-03	1.66E-03
4965	488863.09, 3862877.25	0.02456	0.02044	0.02289	3.77E-04	1.49E-06	6.14E-04	0.000992	3.85E-04	1.46E-06	6.83E-04	1.07E-03	3.66E-04	1.86E-06	1.31E-03	1.68E-03
4966	489363.09, 3862877.25	0.02455	0.01988	0.02306	3.77E-04	1.45E-06	6.18E-04	0.000997	3.85E-04	1.42E-06	6.88E-04	1.07E-03	3.66E-04	1.81E-06	1.32E-03	1.69E-03
4967	489863.09, 3862877.25	0.02471	0.02048	0.02338	3.79E-04	1.49E-06	6.27E-04	0.001008	3.87E-04	1.47E-06	6.97E-04	1.09E-03	3.68E-04	1.86E-06	1.34E-03	1.71E-03
4968	490363.09, 3862877.25	0.02485	0.02096	0.02378	3.81E-04	1.53E-06	6.38E-04	0.001021	3.90E-04	1.50E-06	7.09E-04	1.10E-03	3.70E-04	1.91E-06	1.36E-03	1.73E-03
4969	490863.09, 3862877.25	0.02492	0.0209	0.024	3.82E-04	1.52E-06	6.44E-04	0.001028	3.91E-04	1.50E-06	7.16E-04	1.11E-03	3.71E-04	1.90E-06	1.37E-03	1.75E-03
4970	491363.09, 3862877.25	0.02514	0.02132	0.02442	3.86E-04	1.55E-06	6.55E-04	0.001042	3.94E-04	1.53E-06	7.29E-04	1.12E-03	3.75E-04	1.94E-06	1.40E-03	1.78E-03
4971	491863.09, 3862877.25	0.02511	0.02155	0.02468	3.85E-04	1.57E-06	6.62E-04	0.001049	3.94E-04	1.54E-06	7.36E-04	1.13E-03	3.74E-04	1.96E-06	1.41E-03	1.79E-03
4972	492363.09, 3862877.25	0.02535	0.02206	0.02522	3.89E-04	1.61E-06	6.76E-04	0.001067	3.97E-04	1.58E-06	7.52E-04	1.15E-03	3.78E-04	2.01E-06	1.44E-03	1.82E-03
4973	492863.09, 3862877.25	0.02489	0.02191	0.02491	3.82E-04	1.59E-06	6.68E-04	0.001052	3.90E-04	1.57E-06	7.43E-04	1.13E-03	3.71E-04	1.99E-06	1.43E-03	1.80E-03
4974	493363.09, 3862877.25	0.0239	0.02107	0.0239	3.67E-04	1.53E-06	6.41E-04	0.001009	3.75E-04	1.51E-06	7.13E-04	1.09E-03	3.56E-04	1.92E-06	1.37E-03	1.73E-03
4975	493863.09, 3862877.25	0.02305	0.02023	0.02305	3.54E-04	1.47E-06	6.18E-04	0.000973	3.61E-04	1.45E-06	6.88E-04	1.05E-03	3.43E-04	1.84E-06	1.32E-03	1.67E-03
4976	494363.09, 3862877.25	0.02253	0.01975	0.02262	3.46E-04	1.44E-06	6.07E-04	0.000954	3.53E-04	1.42E-06	6.75E-04	1.03E-03	3.36E-04	1.80E-06	1.30E-03	1.63E-03
4977	494863.09, 3862877.25	0.02222	0.0195	0.02242	3.41E-04	1.42E-06	6.01E-04	0.000944	3.48E-04	1.40E-06	6.69E-04	1.02E-03	3.31E-04	1.77E-06	1.28E-03	1.62E-03
4978	495363.09, 3862877.25	0.02234	0.01957	0.02265	3.43E-04	1.42E-06	6.07E-04	0.000952	3.50E-04	1.40E-06	6.76E-04	1.03E-03	3.33E-04	1.78E-06	1.30E-03	1.63E-03
4979	495863.09, 3862877.25	0.02277	0.0199	0.02321	3.49E-04	1.45E-06	6.23E-04	0.000973	3.57E-04	1.43E-06	6.92E-04	1.05E-03	3.39E-04	1.81E-06	1.33E-03	1.67E-03
4980	496363.09, 3862877.25	0.02323	0.02039	0.02387	3.56E-04	1.48E-06	6.40E-04	0.000998	3.64E-04	1.46E-06	7.12E-04	1.08E-03	3.46E-04	1.85E-06	1.37E-03	1.72E-03
4981	496863.09, 3862877.25	0.02349	0.02087	0.02435	3.60E-04	1.52E-06	6.53E-04	0.001015	3.68E-04	1.50E-06	7.26E-04	1.10E-03	3.50E-04	1.90E-06	1.39E-03	1.75E-03
4982	497363.09, 3862877.25	0.02341	0.02116	0.02445	3.59E-04	1.54E-06	6.56E-04	0.001017	3.67E-04	1.52E-06	7.29E-04	1.10E-03	3.49E-04	1.92E-06	1.40E-03	1.75E-03
4983	497863.09, 3862877.25	0.02316	0.0213	0.02432	3.55E-04	1.55E-06	6.52E-04	0.001009	3.63E-04	1.53E-06	7.26E-04	1.09E-03	3.45E-04	1.94E-06	1.39E-03	1.74E-03
4984	498363.09, 3862877.25	0.02286	0.02133	0.02411	3.51E-04	1.55E-06	6.47E-04	0.000999	3.58E-04	1.53E-06	7.19E-04	1.08E-03	3.41E-04	1.94E-06	1.38E-03	1.72E-03
4985	471363.09, 3863377.25	0.00931	0.00825	0.00917	1.43E-04	6.01E-07	2.46E-04	0.000389	1.46E-04	5.91E-07	2.74E-04	4.20E-04	1.39E-04	7.50E-07	5.25E-04	6.65E-04
4986	471863.09, 3863377.25	0.00964	0.00872	0.00947	1.48E-04	6.35E-07	2.54E-04	0.000403	1.51E-04	6.25E-07	2.83E-04	4.34E-04	1.44E-04	7.93E-07	5.42E-04	6.87E-04
4987	472363.09, 3863377.25	0.00998	0.00917	0.00979	1.53E-04	6.68E-07	2.63E-04	0.000416	1.56E-04	6.57E-07	2.92E-04	4.49E-04	1.49E-04	8.34E-07	5.61E-04	7.10E-04
4988	472863.09, 3863377.25	0.01033	0.00958	0.0101	1.59E-04	6.97E-07	2.71E-04	0.00043	1.62E-04	6.86E-07	3.01E-04	4.64E-04	1.54E-04	8.71E-07	5.79E-04	7.33E-04
4989	473363.09, 3863377.25	0.01069	0.01002	0.01042	1.64E-04	7.29E-07	2.79E-04	0.000444	1.68E-04	7.18E-07	3.11E-04	4.79E-04	1.59E-04	9.11E-07	5.97E-04	7.57E-04
4990	473863.09, 3863377.25	0.01105	0.01046	0.01075	1.70E-04	7.61E-07	2.88E-04	0.000459	1.73E-04	7.49E-07	3.21E-04	4.95E-04	1.65E-04	9.51E-07	6.16E-04	7.81E-04
4991	474363.09, 3863377.25	0.01142	0.01087	0.0111	1.75E-04	7.91E-07	2.98E-04	0.000474	1.79E-04	7.79E-07	3.31E-04	5.11E-04	1.70E-04	9.89E-07	6.36E-04	8.07E-04
4992	474863.09, 3863377.25	0.01185	0.01128	0.01148	1.82E-04	8.21E-07	3.08E-04	0.000491	1.86E-04	8.08E-07	3.42E-04	5.29E-04	1.77E-04	1.03E-06	6.58E-04	8.35E-04
4993	475363.09, 3863377.25	0.01228	0.01177	0.01191	1.88E-04	8.57E-07	3.19E-04	0.000509	1.93E-04	8.43E-07	3.55E-04	5.49E-04	1.83E-04	1.07E-06	6.82E-04	8.66E-04
4994	475863.09, 3863377.25	0.01276	0.01231	0.01236	1.96E-04	8.96E-07	3.32E-04	0.000528	2.00E-04	8.82E-07	3.69E-04	5.70E-04	1.90E-04	1.12E-06	7.08E-04	8.99E-04
4995	476363.09, 3863377.25	0.01329	0.0128	0.0128	2.04E-04	9.32E-07	3.43E-04	0.000548	2.08E-04	9.17E-07	3.82E-04	5.91E-04	1.98E-04	1.16E-06	7.33E-04	9.32E-04
4996	476863.09, 3863377.25	0.01384	0.01309	0.01327	2.12E-04	9.53E-07	3.56E-04	0.000569	2.17E-04	9.38E-07	3.96E-04	6.14E-04	2.06E-04	1.19E-06	7.60E-04	9.68E-04
4997	477363.09, 3863377.25	0.01435	0.01315	0.01378	2.20E-04	9.57E-07	3.70E-04	0.000591	2.25E-04	9.42E-07	4.11E-04	6.37E-04	2.14E-04	1.20E-06	7.89E-04	1.00E-03
4998	477863.09, 3863377.25	0.01469	0.01316	0.01415	2.25E-04	9.58E-07	3.80E-04	0.000606	2.30E-04	9.43E-07	4.22E-04	6.53E-04	2.19E-04	1.20E-06	8.11E-04	1.03E-03
4999	478363.09, 3863377.25	0.01448	0.0136	0.01413	2.22E-04	9.90E-07	3.79E-04	0.000602	2.27E-04	9.74E-07	4.22E-04	6.50E-04	2.16E-04	1.24E-06	8.09E-04	1.03E-03
5000	478863.09, 3863377.25	0.01547	0.01514	0.01495	2.37E-04	1.10E-06	4.01E-04	0.000639	2.43E-04	1.08E-06	4.46E-04	6.90E-04	2.30E-04	1.38E-06	8.56E-04	1.09E-03
5001	479363.09, 3863377.25	0.01688	0.01632	0.01598	2.59E-04	1.19E-06	4.29E-04	0.000689	2.65E-04	1.17E-06	4.77E-04	7.43E-04	2.51E-04	1.48E-06	9.15E-04	1.17E-03
5002	479863.09, 3863377.25	0.01786	0.01612	0.01672	2.74E-04	1.17E-06	4.48E-04	0.000724	2.80E-04	1.16E-06	4.99E-04	7.80E-04	2.66E-04	1.47E-06	9.58E-04	1.23E-03
5003	480363.09, 3863377.25	0.01856	0.01548	0.01738	2.85E-04	1.13E-06	4.66E-04	0.000752	2.91E-04	1.11E-06	5.18E-04	8.11E-04	2.76E-04	1.41E-06	9.96E-04	1.27E-03
5004	480863.09, 3863377.25	0.01933	0.01574	0.01815	2.97E-04	1.15E-06	4.87E-04	0.000785	3.03E-04	1.13E-06	5.41E-04	8.46E-04	2.88E-04	1.43E-06	1.04E-03	1.33E-03
5005	481363.09, 3863377.25	0.02004	0.01724	0.01877	3.08E-04	1.25E-06	5.03E-04	0.000812	3.14E-04	1.24E-06	5.60E-04	8.75E-04	2.99E-04	1.57E-06	1.08E-03	1.38E-03
5006	481863.09, 3863377.25	0.02081	0.01827	0.01942	3.19E-04	1.33E-06	5.21E-04	0.000842	3.26E-04	1.31E-06	5.79E-04	9.07E-04	3.10E-04	1.66E-06	1.11E-03	1.42E-03
5007	482363.09, 3863377.25	0.02153	0.01803	0.02003	3.30E-04	1.31E-06	5.37E-04	0.000869	3.38E-04	1.29E-06	5.98E-04	9.36E-04	3.21E-04	1.64E-06	1.15E-03	1.47E-03
5008	482863.09, 3863377.25	0.02212	0.01827	0.02052	3.39E-04	1.33E-06	5.50E-04	0.000891	3.47E-04	1.31E-06	6.12E-04	9.60E-04	3.30E-04	1.66E-06	1.18E-03	1.51E-03
5009	483363.09, 3863377.25	0.02259	0.01894	0.02085	3.47E-04	1.38E-06	5.59E-04	0.000907	3.54E-04	1.36E-06	6.22E-04	9.78E-04	3.37E-04	1.72E-06	1.19E-03	1.53E-03
5010	483863.09, 3863377.25	0.02282	0.01852	0.0209	3.50E-04	1.35E-06	5.61E-04	0.000912	3.58E-04	1.33E-06	6.23E-04	9.83E-04	3.40E-04	1.68E-06	1.20E-03	1.54E-03
5011	484363.09, 3863377.25	0.02285	0.01703	0.02075	3.51E-04	1.24E-06	5.57E-04	0.000908	3.58E-04	1.22E-06	6.19E-04	9.79E-04	3.40E-04	1.55E-06	1.19E-03	1.53E-03
5012	484863.09, 3863377.25	0.02288	0.01703	0.02064	3.51E-04	1.24E-06	5.54E-04	0.000906	3.59E-04	1.22E-06	6.16E-04	9.76E-04	3.41E-04	1.55E-06	1.18E-03	1.52E-03

5013	485363.09, 3863377.25	0.02271	0.01825	0.02039	3.48E-04	1.33E-06	5.47E-04	0.000897	3.56E-04	1.31E-06	6.08E-04	9.66E-04	3.38E-04	1.66E-06	1.17E-03	1.51E-03
5014	485863.09, 3863377.25	0.02265	0.01847	0.02022	3.48E-04	1.34E-06	5.42E-04	0.000891	3.55E-04	1.32E-06	6.03E-04	9.60E-04	3.37E-04	1.68E-06	1.16E-03	1.50E-03
5015	486363.09, 3863377.25	0.02256	0.0185	0.02013	3.46E-04	1.35E-06	5.40E-04	0.000887	3.54E-04	1.33E-06	6.01E-04	9.56E-04	3.36E-04	1.68E-06	1.15E-03	1.49E-03
5016	486863.09, 3863377.25	0.0223	0.01763	0.01989	3.42E-04	1.28E-06	5.33E-04	0.000877	3.50E-04	1.26E-06	5.93E-04	9.44E-04	3.32E-04	1.60E-06	1.14E-03	1.47E-03
5017	487363.09, 3863377.25	0.02204	0.01645	0.01962	3.38E-04	1.20E-06	5.26E-04	0.000866	3.46E-04	1.18E-06	5.85E-04	9.32E-04	3.28E-04	1.50E-06	1.12E-03	1.45E-03
5018	487863.09, 3863377.25	0.0218	0.01666	0.01957	3.35E-04	1.21E-06	5.25E-04	0.000861	3.42E-04	1.19E-06	5.84E-04	9.27E-04	3.25E-04	1.52E-06	1.12E-03	1.45E-03
5019	488363.09, 3863377.25	0.02167	0.01787	0.01974	3.33E-04	1.30E-06	5.29E-04	0.000863	3.40E-04	1.28E-06	5.89E-04	9.30E-04	3.23E-04	1.63E-06	1.13E-03	1.46E-03
5020	488863.09, 3863377.25	0.02159	0.01834	0.02004	3.31E-04	1.34E-06	5.37E-04	0.00087	3.39E-04	1.31E-06	5.98E-04	9.38E-04	3.22E-04	1.67E-06	1.15E-03	1.47E-03
5021	489363.09, 3863377.25	0.0215	0.01778	0.02015	3.30E-04	1.29E-06	5.40E-04	0.000872	3.37E-04	1.27E-06	6.01E-04	9.39E-04	3.20E-04	1.62E-06	1.15E-03	1.48E-03
5022	489863.09, 3863377.25	0.02155	0.01771	0.0203	3.31E-04	1.29E-06	5.44E-04	0.000876	3.38E-04	1.27E-06	6.06E-04	9.45E-04	3.21E-04	1.61E-06	1.16E-03	1.49E-03
5023	490363.09, 3863377.25	0.02169	0.01841	0.02065	3.33E-04	1.34E-06	5.54E-04	0.000888	3.40E-04	1.32E-06	6.16E-04	9.57E-04	3.23E-04	1.67E-06	1.18E-03	1.51E-03
5024	490863.09, 3863377.25	0.0219	0.01862	0.02104	3.36E-04	1.36E-06	5.64E-04	0.000902	3.43E-04	1.33E-06	6.28E-04	9.72E-04	3.26E-04	1.69E-06	1.21E-03	1.53E-03
5025	491363.09, 3863377.25	0.02186	0.01854	0.02109	3.35E-04	1.35E-06	5.66E-04	0.000902	3.43E-04	1.33E-06	6.29E-04	9.73E-04	3.26E-04	1.69E-06	1.21E-03	1.54E-03
5026	491863.09, 3863377.25	0.02185	0.01876	0.02126	3.35E-04	1.37E-06	5.70E-04	0.000907	3.43E-04	1.34E-06	6.34E-04	9.78E-04	3.26E-04	1.71E-06	1.22E-03	1.55E-03
5027	492363.09, 3863377.25	0.02227	0.01934	0.02196	3.42E-04	1.41E-06	5.89E-04	0.000932	3.49E-04	1.39E-06	6.55E-04	1.01E-03	3.32E-04	1.76E-06	1.26E-03	1.59E-03
5028	492863.09, 3863377.25	0.02286	0.02012	0.02285	3.51E-04	1.46E-06	6.13E-04	0.000965	3.58E-04	1.44E-06	6.82E-04	1.04E-03	3.41E-04	1.83E-06	1.31E-03	1.65E-03
5029	493363.09, 3863377.25	0.02276	0.02026	0.02292	3.49E-04	1.47E-06	6.15E-04	0.000965	3.57E-04	1.45E-06	6.84E-04	1.04E-03	3.39E-04	1.84E-06	1.31E-03	1.65E-03
5030	493863.09, 3863377.25	0.02183	0.01949	0.02197	3.35E-04	1.42E-06	5.89E-04	0.000926	3.42E-04	1.40E-06	6.55E-04	9.99E-04	3.25E-04	1.77E-06	1.26E-03	1.59E-03
5031	494363.09, 3863377.25	0.02079	0.01847	0.02086	3.19E-04	1.34E-06	5.59E-04	0.00088	3.26E-04	1.32E-06	6.22E-04	9.50E-04	3.10E-04	1.68E-06	1.19E-03	1.51E-03
5032	494863.09, 3863377.25	0.0203	0.01799	0.02042	3.12E-04	1.31E-06	5.48E-04	0.00086	3.18E-04	1.29E-06	6.09E-04	9.29E-04	3.02E-04	1.64E-06	1.17E-03	1.47E-03
5033	495363.09, 3863377.25	0.02018	0.01792	0.02043	3.10E-04	1.30E-06	5.48E-04	0.000859	3.16E-04	1.28E-06	6.09E-04	9.27E-04	3.01E-04	1.63E-06	1.17E-03	1.47E-03
5034	495863.09, 3863377.25	0.02024	0.018	0.02062	3.11E-04	1.31E-06	5.53E-04	0.000865	3.17E-04	1.29E-06	6.15E-04	9.34E-04	3.02E-04	1.64E-06	1.18E-03	1.48E-03
5035	496363.09, 3863377.25	0.01996	0.01771	0.02037	3.06E-04	1.29E-06	5.46E-04	0.000854	3.13E-04	1.27E-06	6.08E-04	9.22E-04	2.97E-04	1.61E-06	1.17E-03	1.47E-03
5036	496863.09, 3863377.25	0.01998	0.01772	0.02049	3.07E-04	1.29E-06	5.50E-04	0.000857	3.13E-04	1.27E-06	6.11E-04	9.26E-04	2.98E-04	1.61E-06	1.17E-03	1.47E-03
5037	497363.09, 3863377.25	0.02033	0.01814	0.02102	3.12E-04	1.32E-06	5.64E-04	0.000877	3.19E-04	1.30E-06	6.27E-04	9.47E-04	3.03E-04	1.65E-06	1.20E-03	1.51E-03
5038	497863.09, 3863377.25	0.02057	0.01859	0.02145	3.16E-04	1.35E-06	5.75E-04	0.000892	3.23E-04	1.33E-06	6.40E-04	9.64E-04	3.06E-04	1.69E-06	1.23E-03	1.54E-03
5039	498363.09, 3863377.25	0.02054	0.01888	0.02158	3.15E-04	1.37E-06	5.79E-04	0.000895	3.22E-04	1.35E-06	6.44E-04	9.67E-04	3.06E-04	1.72E-06	1.24E-03	1.54E-03
5040	471363.09, 3863877.25	0.00894	0.00813	0.00877	1.37E-04	5.92E-07	2.35E-04	0.000373	1.40E-04	5.83E-07	2.62E-04	4.02E-04	1.33E-04	7.40E-07	5.02E-04	6.36E-04
5041	471863.09, 3863877.25	0.00921	0.00855	0.00902	1.41E-04	6.22E-07	2.42E-04	0.000384	1.44E-04	6.13E-07	2.69E-04	4.14E-04	1.37E-04	7.78E-07	5.17E-04	6.55E-04
5042	472363.09, 3863877.25	0.00952	0.00894	0.00929	1.46E-04	6.51E-07	2.49E-04	0.000396	1.49E-04	6.41E-07	2.77E-04	4.27E-04	1.42E-04	8.13E-07	5.32E-04	6.75E-04
5043	472863.09, 3863877.25	0.00982	0.00938	0.00956	1.51E-04	6.83E-07	2.56E-04	0.000408	1.54E-04	6.72E-07	2.85E-04	4.40E-04	1.46E-04	8.53E-07	5.48E-04	6.95E-04
5044	473363.09, 3863877.25	0.01014	0.00976	0.00982	1.56E-04	7.10E-07	2.63E-04	0.00042	1.59E-04	6.99E-07	2.93E-04	4.53E-04	1.51E-04	8.88E-07	5.63E-04	7.14E-04
5045	473863.09, 3863877.25	0.01045	0.01006	0.01012	1.60E-04	7.32E-07	2.71E-04	0.000433	1.64E-04	7.21E-07	3.02E-04	4.66E-04	1.56E-04	9.15E-07	5.80E-04	7.36E-04
5046	474363.09, 3863877.25	0.01079	0.01028	0.01043	1.66E-04	7.48E-07	2.80E-04	0.000446	1.69E-04	7.37E-07	3.11E-04	4.81E-04	1.61E-04	9.35E-07	5.97E-04	7.59E-04
5047	474863.09, 3863877.25	0.01116	0.01051	0.01075	1.71E-04	7.65E-07	2.88E-04	0.00046	1.75E-04	7.53E-07	3.21E-04	4.96E-04	1.66E-04	9.56E-07	6.16E-04	7.83E-04
5048	475363.09, 3863877.25	0.01157	0.01085	0.01113	1.78E-04	7.90E-07	2.99E-04	0.000477	1.81E-04	7.77E-07	3.32E-04	5.14E-04	1.72E-04	9.87E-07	6.38E-04	8.11E-04
5049	475863.09, 3863877.25	0.012	0.01125	0.01148	1.84E-04	8.19E-07	3.08E-04	0.000493	1.88E-04	8.06E-07	3.42E-04	5.31E-04	1.79E-04	1.02E-06	6.58E-04	8.37E-04
5050	476363.09, 3863877.25	0.01246	0.01164	0.01186	1.91E-04	8.47E-07	3.18E-04	0.00051	1.95E-04	8.34E-07	3.54E-04	5.50E-04	1.86E-04	1.06E-06	6.79E-04	8.66E-04
5051	476863.09, 3863877.25	0.01294	0.0119	0.01227	1.99E-04	8.66E-07	3.29E-04	0.000529	2.03E-04	8.53E-07	3.66E-04	5.70E-04	1.93E-04	1.08E-06	7.03E-04	8.97E-04
5052	477363.09, 3863877.25	0.01345	0.01227	0.01275	2.06E-04	8.93E-07	3.42E-04	0.000549	2.11E-04	8.79E-07	3.80E-04	5.92E-04	2.00E-04	1.12E-06	7.30E-04	9.32E-04
5053	477863.09, 3863877.25	0.01392	0.01285	0.01328	2.14E-04	9.35E-07	3.56E-04	0.000571	2.18E-04	9.21E-07	3.96E-04	6.15E-04	2.07E-04	1.17E-06	7.61E-04	9.69E-04
5054	478363.09, 3863877.25	0.01417	0.01365	0.01354	2.17E-04	9.94E-07	3.63E-04	0.000582	2.22E-04	9.78E-07	4.04E-04	6.27E-04	2.11E-04	1.24E-06	7.76E-04	9.88E-04
5055	478863.09, 3863877.25	0.01522	0.01461	0.01441	2.34E-04	1.06E-06	3.86E-04	0.000621	2.39E-04	1.05E-06	4.30E-04	6.70E-04	2.27E-04	1.33E-06	8.25E-04	1.05E-03
5056	479363.09, 3863877.25	0.01591	0.01474	0.01493	2.44E-04	1.07E-06	4.00E-04	0.000646	2.49E-04	1.06E-06	4.45E-04	6.96E-04	2.37E-04	1.34E-06	8.55E-04	1.09E-03
5057	479863.09, 3863877.25	0.01648	0.01426	0.01542	2.53E-04	1.04E-06	4.14E-04	0.000667	2.58E-04	1.02E-06	4.60E-04	7.19E-04	2.46E-04	1.30E-06	8.83E-04	1.13E-03
5058	480363.09, 3863877.25	0.01705	0.01391	0.01598	2.62E-04	1.01E-06	4.29E-04	0.000691	2.67E-04	9.97E-07	4.77E-04	7.45E-04	2.54E-04	1.27E-06	9.15E-04	1.17E-03
5059	480863.09, 3863877.25	0.01771	0.01479	0.0166	2.72E-04	1.08E-06	4.45E-04	0.000718	2.78E-04	1.06E-06	4.95E-04	7.74E-04	2.64E-04	1.35E-06	9.51E-04	1.22E-03
5060	481363.09, 3863877.25	0.01834	0.01619	0.01712	2.81E-04	1.18E-06	4.59E-04	0.000742	2.88E-04	1.16E-06	5.11E-04	7.99E-04	2.73E-04	1.47E-06	9.81E-04	1.26E-03
5061	481863.09, 3863877.25	0.01892	0.01645	0.01761	2.90E-04	1.20E-06	4.72E-04	0.000764	2.97E-04	1.18E-06	5.25E-04	8.23E-04	2.82E-04	1.50E-06	1.01E-03	1.29E-03
5062	482363.09, 3863877.25	0.01951	0.01622	0.01812	2.99E-04	1.18E-06	4.86E-04	0.000787	3.06E-04	1.16E-06	5.41E-04	8.48E-04	2.91E-04	1.48E-06	1.04E-03	1.33E-03
5063	482863.09, 3863877.25	0.01993	0.01672	0.01846	3.06E-04	1.22E-06	4.95E-04	0.000802	3.12E-04	1.20E-06	5.51E-04	8.64E-04	2.97E-04	1.52E-06	1.06E-03	1.36E-03
5064	483363.09, 3863877.25	0.02022	0.01706	0.0186	3.10E-04	1.24E-06	4.99E-04	0.00081	3.17E-04	1.22E-06	5.55E-04	8.73E-04	3.01E-04	1.55E-06	1.07E-03	1.37E-03
5065	483863.09, 3863877.25	0.02038	0.01633	0.01857	3.13E-04	1.19E-06	4.98E-04	0.000812	3.20E-04	1.17E-06	5.54E-04	8.75E-04	3.04E-04	1.49E-06	1.06E-03	1.37E-03
5066	484363.09, 3863877.25	0.02034	0.01497	0.01838	3.12E-04	1.09E-06	4.93E-04	0.000806	3.19E-04	1.07E-06	5.48E-04	8.68E-04	3.03E-04	1.36E-06	1.05E-03	1.36E-03
5067	484863.09, 3863877.25	0.02029	0.01535	0.01821	3.11E-04	1.12E-06	4.88E-04	0.000801	3.18E-04	1.10E-06	5.43E-04	8.62E-04	3.02E-04	1.40E-06	1.04E-03	1.35E-03
5068	485363.09, 3863877.25	0.02019	0.01618	0.01801	3.10E-04	1.18E-06	4.83E-04	0.000794	3.17E-04	1.16E-06	5.37E-04	8.55E-04	3.01E-04	1.47E-06	1.03E-03	1.33E-03
5069	485863.09, 3863877.25	0.02018	0.01638	0.01796	3.10E-04	1.19E-06	4.82E-04	0.000793	3.16E-04	1.17E-06	5.36E-04	8.53E-04	3.01E-04	1.49E-06	1.03E-03	1.33E-03

5070	486363.09, 3863877.25	0.02	0.01659	0.01782	3.07E-04	1.21E-06	4.78E-04	0.000786	3.14E-04	1.19E-06	5.32E-04	8.46E-04	2.98E-04	1.51E-06	1.02E-03	1.32E-03
5071	486863.09, 3863877.25	0.01979	0.01592	0.01759	3.04E-04	1.16E-06	4.72E-04	0.000777	3.10E-04	1.14E-06	5.25E-04	8.36E-04	2.95E-04	1.45E-06	1.01E-03	1.30E-03
5072	487363.09, 3863877.25	0.0196	0.01484	0.0174	3.01E-04	1.08E-06	4.67E-04	0.000769	3.07E-04	1.06E-06	5.19E-04	8.27E-04	2.92E-04	1.35E-06	9.97E-04	1.29E-03
5073	487863.09, 3863877.25	0.01939	0.01477	0.01733	2.98E-04	1.08E-06	4.65E-04	0.000763	3.04E-04	1.06E-06	5.17E-04	8.22E-04	2.89E-04	1.34E-06	9.93E-04	1.28E-03
5074	488363.09, 3863877.25	0.01928	0.01559	0.01745	2.96E-04	1.13E-06	4.68E-04	0.000765	3.02E-04	1.12E-06	5.21E-04	8.24E-04	2.87E-04	1.42E-06	1.00E-03	1.29E-03
5075	488863.09, 3863877.25	0.01919	0.01634	0.01771	2.94E-04	1.19E-06	4.75E-04	0.000771	3.01E-04	1.17E-06	5.28E-04	8.30E-04	2.86E-04	1.49E-06	1.01E-03	1.30E-03
5076	489363.09, 3863877.25	0.0191	0.01617	0.01784	2.93E-04	1.18E-06	4.78E-04	0.000773	2.99E-04	1.16E-06	5.32E-04	8.33E-04	2.85E-04	1.47E-06	1.02E-03	1.31E-03
5077	489863.09, 3863877.25	0.01909	0.01578	0.01792	2.93E-04	1.15E-06	4.81E-04	0.000775	2.99E-04	1.13E-06	5.35E-04	8.35E-04	2.84E-04	1.44E-06	1.03E-03	1.31E-03
5078	490363.09, 3863877.25	0.01916	0.01609	0.01814	2.94E-04	1.17E-06	4.87E-04	0.000782	3.00E-04	1.15E-06	5.41E-04	8.43E-04	2.85E-04	1.46E-06	1.04E-03	1.33E-03
5079	490863.09, 3863877.25	0.01931	0.01662	0.01847	2.96E-04	1.21E-06	4.95E-04	0.000793	3.03E-04	1.19E-06	5.51E-04	8.55E-04	2.88E-04	1.51E-06	1.06E-03	1.35E-03
5080	491363.09, 3863877.25	0.01942	0.01661	0.01868	2.98E-04	1.21E-06	5.01E-04	0.0008	3.04E-04	1.19E-06	5.57E-04	8.63E-04	2.89E-04	1.51E-06	1.07E-03	1.36E-03
5081	491863.09, 3863877.25	0.01983	0.01699	0.0192	3.04E-04	1.24E-06	5.15E-04	0.00082	3.11E-04	1.22E-06	5.73E-04	8.85E-04	2.95E-04	1.55E-06	1.10E-03	1.40E-03
5082	492363.09, 3863877.25	0.02005	0.01743	0.01968	3.08E-04	1.27E-06	5.28E-04	0.000837	3.14E-04	1.25E-06	5.87E-04	9.03E-04	2.99E-04	1.59E-06	1.13E-03	1.43E-03
5083	492863.09, 3863877.25	0.02013	0.0176	0.01986	3.09E-04	1.28E-06	5.33E-04	0.000843	3.16E-04	1.26E-06	5.92E-04	9.09E-04	3.00E-04	1.60E-06	1.14E-03	1.44E-03
5084	493363.09, 3863877.25	0.02073	0.01837	0.0207	3.18E-04	1.34E-06	5.55E-04	0.000875	3.25E-04	1.32E-06	6.18E-04	9.44E-04	3.09E-04	1.67E-06	1.19E-03	1.50E-03
5085	493863.09, 3863877.25	0.02055	0.01833	0.02051	3.15E-04	1.33E-06	5.50E-04	0.000867	3.22E-04	1.31E-06	6.12E-04	9.35E-04	3.06E-04	1.67E-06	1.17E-03	1.48E-03
5086	494363.09, 3863877.25	0.01962	0.01766	0.01975	3.01E-04	1.29E-06	5.30E-04	0.000832	3.08E-04	1.27E-06	5.89E-04	8.98E-04	2.92E-04	1.61E-06	1.13E-03	1.43E-03
5087	494863.09, 3863877.25	0.01873	0.01684	0.01885	2.87E-04	1.23E-06	5.06E-04	0.000794	2.94E-04	1.21E-06	5.62E-04	8.57E-04	2.79E-04	1.53E-06	1.08E-03	1.36E-03
5088	495363.09, 3863877.25	0.0182	0.01629	0.01832	2.79E-04	1.19E-06	4.91E-04	0.000772	2.85E-04	1.17E-06	5.47E-04	8.33E-04	2.71E-04	1.48E-06	1.05E-03	1.32E-03
5089	495863.09, 3863877.25	0.01798	0.01608	0.01816	2.76E-04	1.17E-06	4.87E-04	0.000764	2.82E-04	1.15E-06	5.42E-04	8.25E-04	2.68E-04	1.46E-06	1.04E-03	1.31E-03
5090	496363.09, 3863877.25	0.01774	0.01595	0.01804	2.72E-04	1.16E-06	4.84E-04	0.000757	2.78E-04	1.14E-06	5.38E-04	8.17E-04	2.64E-04	1.45E-06	1.03E-03	1.30E-03
5091	496863.09, 3863877.25	0.01764	0.01586	0.01801	2.71E-04	1.15E-06	4.83E-04	0.000755	2.77E-04	1.14E-06	5.37E-04	8.15E-04	2.63E-04	1.44E-06	1.03E-03	1.30E-03
5092	497363.09, 3863877.25	0.01772	0.0159	0.01817	2.72E-04	1.16E-06	4.87E-04	0.00076	2.78E-04	1.14E-06	5.42E-04	8.21E-04	2.64E-04	1.45E-06	1.04E-03	1.31E-03
5093	497863.09, 3863877.25	0.01799	0.01616	0.01856	2.76E-04	1.18E-06	4.98E-04	0.000775	2.82E-04	1.16E-06	5.54E-04	8.37E-04	2.68E-04	1.47E-06	1.06E-03	1.33E-03
5094	498363.09, 3863877.25	0.01817	0.01645	0.0189	2.79E-04	1.20E-06	5.07E-04	0.000787	2.85E-04	1.18E-06	5.64E-04	8.50E-04	2.71E-04	1.50E-06	1.08E-03	1.35E-03
5095	471363.09, 3864377.25	0.00855	0.00802	0.00835	1.31E-04	5.84E-07	2.24E-04	0.000356	1.34E-04	5.75E-07	2.49E-04	3.84E-04	1.27E-04	7.30E-07	4.78E-04	6.06E-04
5096	471863.09, 3864377.25	0.00879	0.00843	0.00858	1.35E-04	6.14E-07	2.30E-04	0.000366	1.38E-04	6.04E-07	2.56E-04	3.94E-04	1.31E-04	7.67E-07	4.92E-04	6.23E-04
5097	472363.09, 3864377.25	0.00905	0.00881	0.0088	1.39E-04	6.41E-07	2.36E-04	0.000376	1.42E-04	6.31E-07	2.63E-04	4.05E-04	1.35E-04	8.01E-07	5.04E-04	6.40E-04
5098	472863.09, 3864377.25	0.00931	0.0091	0.00903	1.43E-04	6.62E-07	2.42E-04	0.000386	1.46E-04	6.52E-07	2.69E-04	4.16E-04	1.39E-04	8.28E-07	5.17E-04	6.57E-04
5099	473363.09, 3864377.25	0.00959	0.00923	0.00925	1.47E-04	6.72E-07	2.48E-04	0.000396	1.50E-04	6.61E-07	2.76E-04	4.27E-04	1.43E-04	8.40E-07	5.30E-04	6.74E-04
5100	473863.09, 3864377.25	0.00988	0.00927	0.00949	1.52E-04	6.75E-07	2.55E-04	0.000407	1.55E-04	6.64E-07	2.83E-04	4.39E-04	1.47E-04	8.43E-07	5.44E-04	6.92E-04
5101	474363.09, 3864377.25	0.01019	0.00937	0.00978	1.56E-04	6.82E-07	2.62E-04	0.000419	1.60E-04	6.71E-07	2.92E-04	4.52E-04	1.52E-04	8.52E-07	5.60E-04	7.13E-04
5102	474863.09, 3864377.25	0.01051	0.0096	0.01005	1.61E-04	6.99E-07	2.70E-04	0.000432	1.65E-04	6.88E-07	3.00E-04	4.65E-04	1.57E-04	8.73E-07	5.76E-04	7.33E-04
5103	475363.09, 3864377.25	0.01088	0.01002	0.01036	1.67E-04	7.29E-07	2.78E-04	0.000446	1.71E-04	7.18E-07	3.09E-04	4.80E-04	1.62E-04	9.11E-07	5.93E-04	7.56E-04
5104	475863.09, 3864377.25	0.01126	0.01048	0.01065	1.73E-04	7.63E-07	2.86E-04	0.000459	1.77E-04	7.51E-07	3.18E-04	4.95E-04	1.68E-04	9.53E-07	6.10E-04	7.79E-04
5105	476363.09, 3864377.25	0.01168	0.01084	0.011	1.79E-04	7.89E-07	2.95E-04	0.000475	1.83E-04	7.77E-07	3.28E-04	5.12E-04	1.74E-04	9.86E-07	6.30E-04	8.05E-04
5106	476863.09, 3864377.25	0.01213	0.01115	0.01141	1.86E-04	8.12E-07	3.06E-04	0.000493	1.90E-04	7.99E-07	3.40E-04	5.31E-04	1.81E-04	1.01E-06	6.54E-04	8.35E-04
5107	477363.09, 3864377.25	0.01261	0.01164	0.01185	1.94E-04	8.47E-07	3.18E-04	0.000512	1.98E-04	8.34E-07	3.54E-04	5.52E-04	1.88E-04	1.06E-06	6.79E-04	8.68E-04
5108	477863.09, 3864377.25	0.01315	0.01238	0.01235	2.02E-04	9.01E-07	3.31E-04	0.000534	2.06E-04	8.87E-07	3.68E-04	5.75E-04	1.96E-04	1.13E-06	7.07E-04	9.04E-04
5109	478363.09, 3864377.25	0.0137	0.01303	0.01287	2.10E-04	9.48E-07	3.45E-04	0.000556	2.15E-04	9.34E-07	3.84E-04	6.00E-04	2.04E-04	1.19E-06	7.37E-04	9.43E-04
5110	478863.09, 3864377.25	0.01424	0.01334	0.01336	2.19E-04	9.71E-07	3.58E-04	0.000578	2.23E-04	9.56E-07	3.99E-04	6.23E-04	2.12E-04	1.21E-06	7.65E-04	9.79E-04
5111	479363.09, 3864377.25	0.01472	0.01316	0.01376	2.26E-04	9.58E-07	3.69E-04	0.000596	2.31E-04	9.43E-07	4.10E-04	6.42E-04	2.19E-04	1.20E-06	7.88E-04	1.01E-03
5112	479863.09, 3864377.25	0.01523	0.01277	0.01423	2.34E-04	9.30E-07	3.82E-04	0.000616	2.39E-04	9.15E-07	4.25E-04	6.64E-04	2.27E-04	1.16E-06	8.15E-04	1.04E-03
5113	480363.09, 3864377.25	0.01579	0.01295	0.01477	2.42E-04	9.43E-07	3.96E-04	0.000639	2.48E-04	9.28E-07	4.41E-04	6.89E-04	2.35E-04	1.18E-06	8.46E-04	1.08E-03
5114	480863.09, 3864377.25	0.01627	0.01399	0.0152	2.50E-04	1.02E-06	4.08E-04	0.000658	2.55E-04	1.00E-06	4.53E-04	7.10E-04	2.42E-04	1.27E-06	8.71E-04	1.11E-03
5115	481363.09, 3864377.25	0.01678	0.01487	0.01562	2.57E-04	1.08E-06	4.19E-04	0.000678	2.63E-04	1.07E-06	4.66E-04	7.30E-04	2.50E-04	1.35E-06	8.95E-04	1.15E-03
5116	481863.09, 3864377.25	0.01727	0.01479	0.01604	2.65E-04	1.08E-06	4.30E-04	0.000696	2.71E-04	1.06E-06	4.79E-04	7.50E-04	2.57E-04	1.35E-06	9.19E-04	1.18E-03
5117	482363.09, 3864377.25	0.01769	0.01482	0.01641	2.71E-04	1.08E-06	4.40E-04	0.000713	2.77E-04	1.06E-06	4.90E-04	7.68E-04	2.64E-04	1.35E-06	9.40E-04	1.20E-03
5118	482863.09, 3864377.25	0.01801	0.01529	0.01664	2.76E-04	1.11E-06	4.46E-04	0.000724	2.82E-04	1.10E-06	4.96E-04	7.80E-04	2.68E-04	1.39E-06	9.53E-04	1.22E-03
5119	483363.09, 3864377.25	0.01819	0.01531	0.01666	2.79E-04	1.11E-06	4.47E-04	0.000727	2.85E-04	1.10E-06	4.97E-04	7.83E-04	2.71E-04	1.39E-06	9.54E-04	1.23E-03
5120	483863.09, 3864377.25	0.01825	0.01436	0.01655	2.80E-04	1.05E-06	4.44E-04	0.000725	2.86E-04	1.03E-06	4.94E-04	7.81E-04	2.72E-04	1.31E-06	9.48E-04	1.22E-03
5121	484363.09, 3864377.25	0.01822	0.01342	0.01639	2.80E-04	9.77E-07	4.40E-04	0.00072	2.86E-04	9.62E-07	4.89E-04	7.76E-04	2.71E-04	1.22E-06	9.39E-04	1.21E-03
5122	484863.09, 3864377.25	0.0181	0.01391	0.01616	2.78E-04	1.01E-06	4.33E-04	0.000712	2.84E-04	9.97E-07	4.82E-04	7.67E-04	2.70E-04	1.27E-06	9.26E-04	1.20E-03
5123	485363.09, 3864377.25	0.01802	0.01434	0.01599	2.77E-04	1.04E-06	4.29E-04	0.000706	2.83E-04	1.03E-06	4.77E-04	7.61E-04	2.68E-04	1.30E-06	9.16E-04	1.19E-03
5124	485863.09, 3864377.25	0.01798	0.01452	0.01595	2.76E-04	1.06E-06	4.28E-04	0.000705	2.82E-04	1.04E-06	4.76E-04	7.59E-04	2.68E-04	1.32E-06	9.14E-04	1.18E-03
5125	486363.09, 3864377.25	0.01789	0.01494	0.01589	2.75E-04	1.09E-06	4.26E-04	0.000702	2.80E-04	1.07E-06	4.74E-04	7.56E-04	2.67E-04	1.36E-06	9.10E-04	1.18E-03
5126	486863.09, 3864377.25	0.01774	0.01448	0.0157	2.72E-04	1.05E-06	4.21E-04	0.000694	2.78E-04	1.04E-06	4.68E-04	7.48E-04	2.64E-04	1.32E-06	8.99E-04	1.16E-03

5127	487363.09, 3864377.25	0.0176	0.01353	0.01559	2.70E-04	9.85E-07	4.18E-04	0.000689	2.76E-04	9.69E-07	4.65E-04	7.42E-04	2.62E-04	1.23E-06	8.93E-04	1.16E-03
5128	487863.09, 3864377.25	0.01744	0.01333	0.01553	2.68E-04	9.70E-07	4.17E-04	0.000685	2.73E-04	9.55E-07	4.63E-04	7.38E-04	2.60E-04	1.21E-06	8.90E-04	1.15E-03
5129	488363.09, 3864377.25	0.01729	0.01376	0.01556	2.65E-04	1.00E-06	4.17E-04	0.000684	2.71E-04	9.86E-07	4.64E-04	7.36E-04	2.58E-04	1.25E-06	8.91E-04	1.15E-03
5130	488863.09, 3864377.25	0.01723	0.0145	0.01579	2.64E-04	1.06E-06	4.23E-04	0.000689	2.70E-04	1.04E-06	4.71E-04	7.42E-04	2.57E-04	1.32E-06	9.05E-04	1.16E-03
5131	489363.09, 3864377.25	0.01714	0.01469	0.01594	2.63E-04	1.07E-06	4.28E-04	0.000692	2.69E-04	1.05E-06	4.76E-04	7.45E-04	2.55E-04	1.34E-06	9.13E-04	1.17E-03
5132	489863.09, 3864377.25	0.01711	0.01441	0.016	2.63E-04	1.05E-06	4.29E-04	0.000693	2.68E-04	1.03E-06	4.77E-04	7.47E-04	2.55E-04	1.31E-06	9.17E-04	1.17E-03
5133	490363.09, 3864377.25	0.01715	0.0143	0.01615	2.63E-04	1.04E-06	4.33E-04	0.000697	2.69E-04	1.02E-06	4.82E-04	7.52E-04	2.55E-04	1.30E-06	9.25E-04	1.18E-03
5134	490863.09, 3864377.25	0.01733	0.01484	0.01649	2.66E-04	1.08E-06	4.42E-04	0.000709	2.72E-04	1.06E-06	4.92E-04	7.65E-04	2.58E-04	1.35E-06	9.45E-04	1.20E-03
5135	491363.09, 3864377.25	0.01792	0.01554	0.01726	2.75E-04	1.13E-06	4.63E-04	0.000739	2.81E-04	1.11E-06	5.15E-04	7.97E-04	2.67E-04	1.41E-06	9.89E-04	1.26E-03
5136	491863.09, 3864377.25	0.0108	0.00977	0.01071	1.66E-04	7.11E-07	2.87E-04	0.000454	1.69E-04	7.00E-07	3.20E-04	4.90E-04	1.61E-04	8.89E-07	6.14E-04	7.75E-04
5137	492363.09, 3864377.25	0.01648	0.01442	0.01634	2.53E-04	1.05E-06	4.38E-04	0.000692	2.58E-04	1.03E-06	4.87E-04	7.47E-04	2.46E-04	1.31E-06	9.36E-04	1.18E-03
5138	492863.09, 3864377.25	0.01236	0.01139	0.01247	1.90E-04	8.29E-07	3.34E-04	0.000525	1.94E-04	8.16E-07	3.72E-04	5.67E-04	1.84E-04	1.04E-06	7.14E-04	9.00E-04
5139	493363.09, 3864377.25	0.01632	0.01463	0.01634	2.50E-04	1.06E-06	4.38E-04	0.00069	2.56E-04	1.05E-06	4.87E-04	7.44E-04	2.43E-04	1.33E-06	9.36E-04	1.18E-03
5140	493863.09, 3864377.25	0.01835	0.01641	0.01837	2.82E-04	1.19E-06	4.93E-04	0.000775	2.88E-04	1.18E-06	5.48E-04	8.37E-04	2.73E-04	1.49E-06	1.05E-03	1.33E-03
5141	494363.09, 3864377.25	0.01853	0.0167	0.01861	2.84E-04	1.22E-06	4.99E-04	0.000785	2.91E-04	1.20E-06	5.55E-04	8.47E-04	2.76E-04	1.52E-06	1.07E-03	1.34E-03
5142	494863.09, 3864377.25	0.0177	0.01604	0.01782	2.72E-04	1.17E-06	4.78E-04	0.000751	2.78E-04	1.15E-06	5.32E-04	8.10E-04	2.64E-04	1.46E-06	1.02E-03	1.29E-03
5143	495363.09, 3864377.25	0.01688	0.01533	0.01702	2.59E-04	1.12E-06	4.56E-04	0.000717	2.65E-04	1.10E-06	5.08E-04	7.74E-04	2.51E-04	1.39E-06	9.75E-04	1.23E-03
5144	495863.09, 3864377.25	0.01635	0.01477	0.01647	2.51E-04	1.08E-06	4.42E-04	0.000694	2.56E-04	1.06E-06	4.91E-04	7.49E-04	2.44E-04	1.34E-06	9.43E-04	1.19E-03
5145	496363.09, 3864377.25	0.01607	0.01449	0.01623	2.47E-04	1.05E-06	4.35E-04	0.000683	2.52E-04	1.04E-06	4.84E-04	7.37E-04	2.39E-04	1.32E-06	9.30E-04	1.17E-03
5146	496863.09, 3864377.25	0.01591	0.01441	0.01617	2.44E-04	1.05E-06	4.34E-04	0.000679	2.49E-04	1.03E-06	4.82E-04	7.33E-04	2.37E-04	1.31E-06	9.26E-04	1.16E-03
5147	497363.09, 3864377.25	0.01579	0.01435	0.01613	2.42E-04	1.04E-06	4.33E-04	0.000676	2.48E-04	1.03E-06	4.81E-04	7.30E-04	2.35E-04	1.31E-06	9.24E-04	1.16E-03
5148	497863.09, 3864377.25	0.01596	0.0145	0.01639	2.45E-04	1.06E-06	4.40E-04	0.000686	2.50E-04	1.04E-06	4.89E-04	7.40E-04	2.38E-04	1.32E-06	9.39E-04	1.18E-03
5149	498363.09, 3864377.25	0.01599	0.0145	0.01649	2.45E-04	1.06E-06	4.42E-04	0.000689	2.51E-04	1.04E-06	4.92E-04	7.44E-04	2.38E-04	1.32E-06	9.45E-04	1.18E-03
5150	471363.09, 3864877.25	0.00816	0.00797	0.00794	1.25E-04	5.80E-07	2.13E-04	0.000339	1.28E-04	5.71E-07	2.37E-04	3.65E-04	1.22E-04	7.25E-07	4.55E-04	5.77E-04
5151	471863.09, 3864877.25	0.00838	0.00826	0.00813	1.29E-04	6.01E-07	2.18E-04	0.000347	1.31E-04	5.92E-07	2.43E-04	3.75E-04	1.25E-04	7.51E-07	4.66E-04	5.91E-04
5152	472363.09, 3864877.25	0.0086	0.00841	0.00831	1.32E-04	6.12E-07	2.23E-04	0.000355	1.35E-04	6.03E-07	2.48E-04	3.83E-04	1.28E-04	7.65E-07	4.76E-04	6.05E-04
5153	472863.09, 3864877.25	0.00884	0.0084	0.00849	1.36E-04	6.11E-07	2.28E-04	0.000364	1.39E-04	6.02E-07	2.53E-04	3.92E-04	1.32E-04	7.64E-07	4.86E-04	6.19E-04
5154	473363.09, 3864877.25	0.00907	0.00833	0.00868	1.39E-04	6.06E-07	2.33E-04	0.000373	1.42E-04	5.97E-07	2.59E-04	4.02E-04	1.35E-04	7.58E-07	4.97E-04	6.33E-04
5155	473863.09, 3864877.25	0.00931	0.00836	0.00889	1.43E-04	6.09E-07	2.38E-04	0.000382	1.46E-04	5.99E-07	2.65E-04	4.12E-04	1.39E-04	7.60E-07	5.09E-04	6.49E-04
5156	474363.09, 3864877.25	0.00959	0.0086	0.00913	1.47E-04	6.26E-07	2.45E-04	0.000393	1.50E-04	6.16E-07	2.72E-04	4.23E-04	1.43E-04	7.82E-07	5.23E-04	6.67E-04
5157	474863.09, 3864877.25	0.00989	0.00903	0.00937	1.52E-04	6.57E-07	2.51E-04	0.000404	1.55E-04	6.47E-07	2.80E-04	4.35E-04	1.47E-04	8.21E-07	5.37E-04	6.85E-04
5158	475363.09, 3864877.25	0.01022	0.00954	0.00963	1.57E-04	6.94E-07	2.58E-04	0.000416	1.60E-04	6.84E-07	2.87E-04	4.48E-04	1.52E-04	8.68E-07	5.52E-04	7.05E-04
5159	475863.09, 3864877.25	0.01058	0.00992	0.00991	1.62E-04	7.22E-07	2.66E-04	0.000429	1.66E-04	7.11E-07	2.96E-04	4.62E-04	1.58E-04	9.02E-07	5.68E-04	7.26E-04
5160	476363.09, 3864877.25	0.01098	0.01017	0.01026	1.68E-04	7.40E-07	2.75E-04	0.000444	1.72E-04	7.29E-07	3.06E-04	4.79E-04	1.64E-04	9.25E-07	5.88E-04	7.52E-04
5161	476863.09, 3864877.25	0.01143	0.01054	0.01069	1.75E-04	7.67E-07	2.87E-04	0.000463	1.79E-04	7.55E-07	3.19E-04	4.99E-04	1.70E-04	9.59E-07	6.12E-04	7.84E-04
5162	477363.09, 3864877.25	0.01188	0.0111	0.01112	1.82E-04	8.08E-07	2.98E-04	0.000481	1.86E-04	7.95E-07	3.32E-04	5.19E-04	1.77E-04	1.01E-06	6.37E-04	8.15E-04
5163	477863.09, 3864877.25	0.01235	0.01169	0.01159	1.90E-04	8.51E-07	3.11E-04	0.000501	1.94E-04	8.38E-07	3.46E-04	5.40E-04	1.84E-04	1.06E-06	6.64E-04	8.49E-04
5164	478363.09, 3864877.25	0.0128	0.01204	0.01202	1.96E-04	8.76E-07	3.22E-04	0.00052	2.01E-04	8.63E-07	3.59E-04	5.60E-04	1.91E-04	1.10E-06	6.89E-04	8.80E-04
5165	478863.09, 3864877.25	0.01324	0.0121	0.01239	2.03E-04	8.81E-07	3.32E-04	0.000536	2.08E-04	8.67E-07	3.70E-04	5.78E-04	1.97E-04	1.10E-06	7.10E-04	9.08E-04
5166	479363.09, 3864877.25	0.01367	0.01187	0.01275	2.10E-04	8.64E-07	3.42E-04	0.000553	2.14E-04	8.51E-07	3.80E-04	5.96E-04	2.04E-04	1.08E-06	7.30E-04	9.35E-04
5167	479863.09, 3864877.25	0.01409	0.0117	0.01314	2.16E-04	8.52E-07	3.52E-04	0.000569	2.21E-04	8.38E-07	3.92E-04	6.14E-04	2.10E-04	1.06E-06	7.53E-04	9.64E-04
5168	480363.09, 3864877.25	0.01459	0.0122	0.01361	2.24E-04	8.88E-07	3.65E-04	0.00059	2.29E-04	8.74E-07	4.06E-04	6.36E-04	2.17E-04	1.11E-06	7.80E-04	9.98E-04
5169	480863.09, 3864877.25	0.015	0.01309	0.01398	2.30E-04	9.53E-07	3.75E-04	0.000606	2.35E-04	9.38E-07	4.17E-04	6.53E-04	2.23E-04	1.19E-06	8.01E-04	1.03E-03
5170	481363.09, 3864877.25	0.01541	0.01355	0.01432	2.36E-04	9.86E-07	3.84E-04	0.000622	2.42E-04	9.71E-07	4.27E-04	6.70E-04	2.30E-04	1.23E-06	8.20E-04	1.05E-03
5171	481863.09, 3864877.25	0.01576	0.01347	0.01462	2.42E-04	9.81E-07	3.92E-04	0.000635	2.47E-04	9.65E-07	4.36E-04	6.84E-04	2.35E-04	1.23E-06	8.38E-04	1.07E-03
5172	482363.09, 3864877.25	0.01608	0.01362	0.01488	2.47E-04	9.91E-07	3.99E-04	0.000647	2.52E-04	9.76E-07	4.44E-04	6.97E-04	2.40E-04	1.24E-06	8.52E-04	1.09E-03
5173	482863.09, 3864877.25	0.01634	0.01394	0.01503	2.51E-04	1.01E-06	4.03E-04	0.000655	2.56E-04	9.99E-07	4.48E-04	7.06E-04	2.43E-04	1.27E-06	8.61E-04	1.11E-03
5174	483363.09, 3864877.25	0.01648	0.01372	0.01503	2.53E-04	9.99E-07	4.03E-04	0.000657	2.58E-04	9.83E-07	4.48E-04	7.08E-04	2.46E-04	1.25E-06	8.61E-04	1.11E-03
5175	483863.09, 3864877.25	0.01646	0.01276	0.01487	2.53E-04	9.29E-07	3.99E-04	0.000652	2.58E-04	9.14E-07	4.44E-04	7.03E-04	2.45E-04	1.16E-06	8.52E-04	1.10E-03
5176	484363.09, 3864877.25	0.01642	0.01224	0.0147	2.52E-04	8.91E-07	3.94E-04	0.000647	2.57E-04	8.77E-07	4.39E-04	6.97E-04	2.45E-04	1.11E-06	8.42E-04	1.09E-03
5177	484863.09, 3864877.25	0.01633	0.01269	0.0145	2.51E-04	9.24E-07	3.89E-04	0.00064	2.56E-04	9.09E-07	4.33E-04	6.90E-04	2.43E-04	1.15E-06	8.31E-04	1.08E-03
5178	485363.09, 3864877.25	0.01629	0.01284	0.01439	2.50E-04	9.35E-07	3.86E-04	0.000637	2.55E-04	9.20E-07	4.29E-04	6.86E-04	2.43E-04	1.17E-06	8.24E-04	1.07E-03
5179	485863.09, 3864877.25	0.0162	0.01302	0.01433	2.49E-04	9.48E-07	3.84E-04	0.000634	2.54E-04	9.33E-07	4.27E-04	6.82E-04	2.41E-04	1.18E-06	8.21E-04	1.06E-03
5180	486363.09, 3864877.25	0.0161	0.01349	0.01425	2.47E-04	9.82E-07	3.82E-04	0.00063	2.52E-04	9.67E-07	4.25E-04	6.79E-04	2.40E-04	1.23E-06	8.16E-04	1.06E-03
5181	486863.09, 3864877.25	0.016	0.01323	0.01411	2.46E-04	9.63E-07	3.78E-04	0.000625	2.51E-04	9.48E-07	4.21E-04	6.73E-04	2.38E-04	1.20E-06	8.08E-04	1.05E-03
5182	487363.09, 3864877.25	0.01587	0.01239	0.01403	2.44E-04	9.02E-07	3.76E-04	0.000621	2.49E-04	8.88E-07	4.19E-04	6.68E-04	2.36E-04	1.13E-06	8.04E-04	1.04E-03
5183	487863.09, 3864877.25	0.01576	0.01212	0.01399	2.42E-04	8.82E-07	3.75E-04	0.000618	2.47E-04	8.68E-07	4.17E-04	6.65E-04	2.35E-04	1.10E-06	8.01E-04	1.04E-03

5184	488363.09, 3864877.25	0.01567	0.01236	0.01403	2.40E-04	9.00E-07	3.76E-04	0.000618	2.46E-04	8.86E-07	4.19E-04	6.65E-04	2.33E-04	1.12E-06	8.04E-04	1.04E-03
5185	488863.09, 3864877.25	0.01559	0.0129	0.01419	2.39E-04	9.39E-07	3.81E-04	0.000621	2.44E-04	9.24E-07	4.23E-04	6.69E-04	2.32E-04	1.17E-06	8.13E-04	1.05E-03
5186	489363.09, 3864877.25	0.01551	0.01326	0.01433	2.38E-04	9.65E-07	3.84E-04	0.000623	2.43E-04	9.50E-07	4.27E-04	6.72E-04	2.31E-04	1.21E-06	8.21E-04	1.05E-03
5187	489863.09, 3864877.25	0.01545	0.01324	0.0144	2.37E-04	9.64E-07	3.86E-04	0.000624	2.42E-04	9.49E-07	4.30E-04	6.73E-04	2.30E-04	1.20E-06	8.25E-04	1.06E-03
5188	490363.09, 3864877.25	0.01548	0.01302	0.01451	2.38E-04	9.48E-07	3.89E-04	0.000628	2.43E-04	9.33E-07	4.33E-04	6.77E-04	2.31E-04	1.18E-06	8.31E-04	1.06E-03
5189	490863.09, 3864877.25	0.01579	0.01324	0.01506	2.42E-04	9.64E-07	4.04E-04	0.000647	2.48E-04	9.49E-07	4.49E-04	6.98E-04	2.35E-04	1.20E-06	8.63E-04	1.10E-03
5190	491363.09, 3864877.25	0.01609	0.01399	0.01543	2.47E-04	1.02E-06	4.14E-04	0.000662	2.52E-04	1.00E-06	4.60E-04	7.14E-04	2.40E-04	1.27E-06	8.84E-04	1.12E-03
5191	491863.09, 3864877.25	0.0159	0.01401	0.01543	2.44E-04	1.02E-06	4.14E-04	0.000659	2.49E-04	1.00E-06	4.60E-04	7.11E-04	2.37E-04	1.27E-06	8.84E-04	1.12E-03
5192	492363.09, 3864877.25	0.00659	0.00584	0.00627	1.01E-04	4.25E-07	1.68E-04	0.00027	1.03E-04	4.18E-07	1.87E-04	2.91E-04	9.82E-05	5.31E-07	3.59E-04	4.58E-04
5193	492863.09, 3864877.25	0.00868	0.00776	0.00852	1.33E-04	5.65E-07	2.29E-04	0.000362	1.36E-04	5.56E-07	2.54E-04	3.91E-04	1.29E-04	7.06E-07	4.88E-04	6.18E-04
5194	493363.09, 3864877.25	0.0083	0.00758	0.00815	1.27E-04	5.52E-07	2.19E-04	0.000347	1.30E-04	5.43E-07	2.43E-04	3.74E-04	1.24E-04	6.89E-07	4.67E-04	5.91E-04
5195	493863.09, 3864877.25	0.01509	0.01353	0.01503	2.32E-04	9.85E-07	4.03E-04	0.000636	2.37E-04	9.69E-07	4.48E-04	6.86E-04	2.25E-04	1.23E-06	8.61E-04	1.09E-03
5196	494363.09, 3864877.25	0.01668	0.01498	0.01666	2.56E-04	1.09E-06	4.47E-04	0.000704	2.62E-04	1.07E-06	4.97E-04	7.60E-04	2.48E-04	1.36E-06	9.54E-04	1.20E-03
5197	494863.09, 3864877.25	0.01676	0.0152	0.01684	2.57E-04	1.11E-06	4.52E-04	0.00071	2.63E-04	1.09E-06	5.02E-04	7.66E-04	2.50E-04	1.38E-06	9.65E-04	1.22E-03
5198	495363.09, 3864877.25	0.01609	0.01464	0.01618	2.47E-04	1.07E-06	4.34E-04	0.000682	2.52E-04	1.05E-06	4.83E-04	7.36E-04	2.40E-04	1.33E-06	9.27E-04	1.17E-03
5199	495863.09, 3864877.25	0.01532	0.014	0.01545	2.35E-04	1.02E-06	4.14E-04	0.00065	2.40E-04	1.00E-06	4.61E-04	7.02E-04	2.28E-04	1.27E-06	8.85E-04	1.11E-03
5200	496363.09, 3864877.25	0.01481	0.01349	0.01493	2.27E-04	9.82E-07	4.00E-04	0.000629	2.32E-04	9.67E-07	4.45E-04	6.79E-04	2.21E-04	1.23E-06	8.55E-04	1.08E-03
5201	496863.09, 3864877.25	0.01455	0.0132	0.01467	2.23E-04	9.61E-07	3.93E-04	0.000618	2.28E-04	9.46E-07	4.38E-04	6.67E-04	2.17E-04	1.20E-06	8.40E-04	1.06E-03
5202	497363.09, 3864877.25	0.01437	0.01308	0.01458	2.21E-04	9.52E-07	3.91E-04	0.000613	2.25E-04	9.37E-07	4.35E-04	6.61E-04	2.14E-04	1.19E-06	8.35E-04	1.05E-03
5203	497863.09, 3864877.25	0.01429	0.01309	0.0146	2.19E-04	9.53E-07	3.92E-04	0.000612	2.24E-04	9.38E-07	4.36E-04	6.61E-04	2.13E-04	1.19E-06	8.36E-04	1.05E-03
5204	498363.09, 3864877.25	0.01424	0.01306	0.01461	2.19E-04	9.51E-07	3.92E-04	0.000611	2.23E-04	9.36E-07	4.36E-04	6.60E-04	2.12E-04	1.19E-06	8.37E-04	1.05E-03
5205	471363.09, 3865377.25	0.00778	0.00767	0.00751	1.19E-04	5.58E-07	2.01E-04	0.000321	1.22E-04	5.50E-07	2.24E-04	3.47E-04	1.16E-04	6.98E-07	4.30E-04	5.47E-04
5206	471863.09, 3865377.25	0.00797	0.0077	0.00766	1.22E-04	5.60E-07	2.05E-04	0.000328	1.25E-04	5.52E-07	2.29E-04	3.54E-04	1.19E-04	7.00E-07	4.39E-04	5.58E-04
5207	472363.09, 3865377.25	0.00816	0.0076	0.0078	1.25E-04	5.53E-07	2.09E-04	0.000335	1.28E-04	5.45E-07	2.33E-04	3.61E-04	1.22E-04	6.91E-07	4.47E-04	5.69E-04
5208	472863.09, 3865377.25	0.00837	0.00752	0.00797	1.28E-04	5.47E-07	2.14E-04	0.000343	1.31E-04	5.39E-07	2.38E-04	3.70E-04	1.25E-04	6.84E-07	4.57E-04	5.82E-04
5209	473363.09, 3865377.25	0.00856	0.00753	0.00813	1.31E-04	5.48E-07	2.18E-04	0.00035	1.34E-04	5.40E-07	2.43E-04	3.77E-04	1.28E-04	6.85E-07	4.66E-04	5.94E-04
5210	473863.09, 3865377.25	0.00878	0.00778	0.00831	1.35E-04	5.66E-07	2.23E-04	0.000358	1.38E-04	5.57E-07	2.48E-04	3.86E-04	1.31E-04	7.08E-07	4.76E-04	6.08E-04
5211	474363.09, 3865377.25	0.00904	0.00823	0.00852	1.39E-04	5.99E-07	2.29E-04	0.000368	1.42E-04	5.90E-07	2.54E-04	3.97E-04	1.35E-04	7.49E-07	4.88E-04	6.23E-04
5212	474863.09, 3865377.25	0.00934	0.00876	0.00875	1.43E-04	6.38E-07	2.35E-04	0.000379	1.46E-04	6.28E-07	2.61E-04	4.08E-04	1.39E-04	7.97E-07	5.01E-04	6.41E-04
5213	475363.09, 3865377.25	0.00964	0.00914	0.00899	1.48E-04	6.65E-07	2.41E-04	0.00039	1.51E-04	6.55E-07	2.68E-04	4.20E-04	1.44E-04	8.31E-07	5.15E-04	6.59E-04
5214	475863.09, 3865377.25	0.00999	0.00935	0.00931	1.53E-04	6.81E-07	2.50E-04	0.000404	1.57E-04	6.70E-07	2.78E-04	4.35E-04	1.49E-04	8.50E-07	5.33E-04	6.83E-04
5215	476363.09, 3865377.25	0.01042	0.00964	0.00976	1.60E-04	7.02E-07	2.62E-04	0.000422	1.63E-04	6.91E-07	2.91E-04	4.55E-04	1.55E-04	8.77E-07	5.59E-04	7.15E-04
5216	476863.09, 3865377.25	0.0105	0.00974	0.00997	1.61E-04	7.09E-07	2.67E-04	0.000429	1.65E-04	6.98E-07	2.97E-04	4.63E-04	1.56E-04	8.86E-07	5.71E-04	7.28E-04
5217	477363.09, 3865377.25	0.01127	0.01062	0.01059	1.73E-04	7.73E-07	2.84E-04	0.000458	1.77E-04	7.61E-07	3.16E-04	4.93E-04	1.68E-04	9.66E-07	6.07E-04	7.76E-04
5218	477863.09, 3865377.25	0.01162	0.01091	0.01091	1.78E-04	7.94E-07	2.93E-04	0.000472	1.82E-04	7.82E-07	3.25E-04	5.08E-04	1.73E-04	9.92E-07	6.25E-04	7.99E-04
5219	478363.09, 3865377.25	0.01203	0.01111	0.01127	1.85E-04	8.09E-07	3.02E-04	0.000488	1.89E-04	7.96E-07	3.36E-04	5.26E-04	1.79E-04	1.01E-06	6.46E-04	8.26E-04
5220	478863.09, 3865377.25	0.01238	0.01107	0.01154	1.90E-04	8.06E-07	3.10E-04	0.0005	1.94E-04	7.93E-07	3.44E-04	5.39E-04	1.84E-04	1.01E-06	6.61E-04	8.46E-04
5221	479363.09, 3865377.25	0.01273	0.01088	0.01184	1.95E-04	7.92E-07	3.18E-04	0.000514	2.00E-04	7.80E-07	3.53E-04	5.54E-04	1.90E-04	9.90E-07	6.78E-04	8.69E-04
5222	479863.09, 3865377.25	0.01313	0.01092	0.01222	2.01E-04	7.95E-07	3.28E-04	0.00053	2.06E-04	7.82E-07	3.65E-04	5.71E-04	1.96E-04	9.93E-07	7.00E-04	8.97E-04
5223	480363.09, 3865377.25	0.01348	0.01143	0.01256	2.07E-04	8.32E-07	3.37E-04	0.000545	2.11E-04	8.19E-07	3.75E-04	5.87E-04	2.01E-04	1.04E-06	7.19E-04	9.21E-04
5224	480863.09, 3865377.25	0.01383	0.0121	0.01287	2.12E-04	8.81E-07	3.45E-04	0.000558	2.17E-04	8.67E-07	3.84E-04	6.02E-04	2.06E-04	1.10E-06	7.37E-04	9.44E-04
5225	481363.09, 3865377.25	0.01418	0.01243	0.01315	2.18E-04	9.05E-07	3.53E-04	0.000571	2.22E-04	8.91E-07	3.92E-04	6.16E-04	2.11E-04	1.13E-06	7.53E-04	9.66E-04
5226	481863.09, 3865377.25	0.01445	0.01242	0.01338	2.22E-04	9.04E-07	3.59E-04	0.000581	2.27E-04	8.90E-07	3.99E-04	6.27E-04	2.15E-04	1.13E-06	7.66E-04	9.83E-04
5227	482363.09, 3865377.25	0.01469	0.01253	0.01355	2.25E-04	9.12E-07	3.63E-04	0.00059	2.30E-04	8.98E-07	4.04E-04	6.35E-04	2.19E-04	1.14E-06	7.76E-04	9.96E-04
5228	482863.09, 3865377.25	0.01488	0.01267	0.01363	2.28E-04	9.22E-07	3.66E-04	0.000595	2.33E-04	9.08E-07	4.07E-04	6.41E-04	2.22E-04	1.15E-06	7.81E-04	1.00E-03
5229	483363.09, 3865377.25	0.01497	0.01228	0.01361	2.30E-04	8.94E-07	3.65E-04	0.000596	2.35E-04	8.80E-07	4.06E-04	6.42E-04	2.23E-04	1.12E-06	7.80E-04	1.00E-03
5230	483863.09, 3865377.25	0.01496	0.01153	0.01346	2.30E-04	8.39E-07	3.61E-04	0.000591	2.35E-04	8.26E-07	4.02E-04	6.37E-04	2.23E-04	1.05E-06	7.71E-04	9.95E-04
5231	484363.09, 3865377.25	0.01492	0.01132	0.01329	2.29E-04	8.24E-07	3.56E-04	0.000586	2.34E-04	8.11E-07	3.96E-04	6.31E-04	2.22E-04	1.03E-06	7.61E-04	9.85E-04
5232	484863.09, 3865377.25	0.01486	0.01159	0.01313	2.28E-04	8.44E-07	3.52E-04	0.000581	2.33E-04	8.30E-07	3.92E-04	6.26E-04	2.21E-04	1.05E-06	7.52E-04	9.75E-04
5233	485363.09, 3865377.25	0.01479	0.01155	0.01302	2.27E-04	8.41E-07	3.49E-04	0.000577	2.32E-04	8.28E-07	3.88E-04	6.21E-04	2.20E-04	1.05E-06	7.46E-04	9.67E-04
5234	485863.09, 3865377.25	0.01469	0.01177	0.01295	2.25E-04	8.57E-07	3.47E-04	0.000574	2.30E-04	8.43E-07	3.86E-04	6.17E-04	2.19E-04	1.07E-06	7.42E-04	9.62E-04
5235	486363.09, 3865377.25	0.01463	0.01225	0.01289	2.24E-04	8.92E-07	3.46E-04	0.000571	2.29E-04	8.78E-07	3.85E-04	6.15E-04	2.18E-04	1.11E-06	7.38E-04	9.57E-04
5236	486863.09, 3865377.25	0.01454	0.01213	0.01278	2.23E-04	8.83E-07	3.43E-04	0.000567	2.28E-04	8.69E-07	3.81E-04	6.10E-04	2.17E-04	1.10E-06	7.32E-04	9.50E-04
5237	487363.09, 3865377.25	0.01444	0.01143	0.01273	2.22E-04	8.32E-07	3.41E-04	0.000564	2.26E-04	8.19E-07	3.80E-04	6.07E-04	2.15E-04	1.04E-06	7.29E-04	9.45E-04
5238	487863.09, 3865377.25	0.01436	0.01113	0.0127	2.20E-04	8.10E-07	3.41E-04	0.000562	2.25E-04	7.97E-07	3.79E-04	6.05E-04	2.14E-04	1.01E-06	7.28E-04	9.42E-04
5239	488363.09, 3865377.25	0.01431	0.01125	0.01275	2.20E-04	8.19E-07	3.42E-04	0.000562	2.24E-04	8.06E-07	3.80E-04	6.06E-04	2.13E-04	1.02E-06	7.30E-04	9.45E-04
5240	488863.09, 3865377.25	0.01425	0.01163	0.01288	2.19E-04	8.47E-07	3.45E-04	0.000565	2.23E-04	8.33E-07	3.84E-04	6.09E-04	2.12E-04	1.06E-06	7.38E-04	9.51E-04

5241	489363.09, 3865377.25	0.01418	0.01199	0.01301	2.18E-04	8.73E-07	3.49E-04	0.000567	2.22E-04	8.59E-07	3.88E-04	6.11E-04	2.11E-04	1.09E-06	7.45E-04	9.58E-04
5242	489863.09, 3865377.25	0.01419	0.01222	0.01317	2.18E-04	8.90E-07	3.53E-04	0.000572	2.22E-04	8.76E-07	3.93E-04	6.16E-04	2.11E-04	1.11E-06	7.54E-04	9.67E-04
5243	490363.09, 3865377.25	0.01433	0.01237	0.01355	2.20E-04	9.00E-07	3.63E-04	0.000584	2.25E-04	8.86E-07	4.04E-04	6.30E-04	2.13E-04	1.13E-06	7.76E-04	9.91E-04
5244	490863.09, 3865377.25	0.01424	0.01179	0.01349	2.19E-04	8.58E-07	3.62E-04	0.000581	2.23E-04	8.45E-07	4.02E-04	6.27E-04	2.12E-04	1.07E-06	7.73E-04	9.86E-04
5245	491363.09, 3865377.25	0.01412	0.01217	0.01357	2.17E-04	8.86E-07	3.64E-04	0.000582	2.21E-04	8.72E-07	4.05E-04	6.27E-04	2.10E-04	1.11E-06	7.77E-04	9.89E-04
5246	491863.09, 3865377.25	0.01425	0.01278	0.0138	2.19E-04	9.30E-07	3.70E-04	0.00059	2.23E-04	9.16E-07	4.12E-04	6.36E-04	2.12E-04	1.16E-06	7.91E-04	1.00E-03
5247	492363.09, 3865377.25	0.01264	0.01145	0.01256	1.94E-04	8.33E-07	3.37E-04	0.000532	1.98E-04	8.20E-07	3.75E-04	5.74E-04	1.88E-04	1.04E-06	7.19E-04	9.09E-04
5248	492863.09, 3865377.25	0.01002	0.00909	0.00995	1.54E-04	6.62E-07	2.67E-04	0.000421	1.57E-04	6.51E-07	2.97E-04	4.55E-04	1.49E-04	8.27E-07	5.70E-04	7.20E-04
5249	493363.09, 3865377.25	0.00767	0.00685	0.0075	1.18E-04	4.99E-07	2.01E-04	0.000319	1.20E-04	4.91E-07	2.24E-04	3.44E-04	1.14E-04	6.23E-07	4.30E-04	5.45E-04
5250	493863.09, 3865377.25	0.01108	0.0102	0.01111	1.70E-04	7.42E-07	2.98E-04	0.000469	1.74E-04	7.31E-07	3.31E-04	5.06E-04	1.65E-04	9.28E-07	6.36E-04	8.02E-04
5251	494363.09, 3865377.25	0.01394	0.01251	0.01382	2.14E-04	9.11E-07	3.71E-04	0.000585	2.19E-04	8.96E-07	4.12E-04	6.32E-04	2.08E-04	1.14E-06	7.92E-04	1.00E-03
5252	494863.09, 3865377.25	0.01511	0.01365	0.01509	2.32E-04	9.94E-07	4.05E-04	0.000638	2.37E-04	9.78E-07	4.50E-04	6.88E-04	2.25E-04	1.24E-06	8.64E-04	1.09E-03
5253	495363.09, 3865377.25	0.01526	0.0139	0.01532	2.34E-04	1.01E-06	4.11E-04	0.000646	2.39E-04	9.96E-07	4.57E-04	6.97E-04	2.27E-04	1.26E-06	8.78E-04	1.11E-03
5254	495863.09, 3865377.25	0.01469	0.01344	0.01477	2.25E-04	9.78E-07	3.96E-04	0.000623	2.30E-04	9.63E-07	4.41E-04	6.72E-04	2.19E-04	1.22E-06	8.46E-04	1.07E-03
5255	496363.09, 3865377.25	0.014	0.0128	0.01402	2.15E-04	9.32E-07	3.76E-04	0.000592	2.20E-04	9.17E-07	4.18E-04	6.39E-04	2.09E-04	1.16E-06	8.03E-04	1.01E-03
5256	496863.09, 3865377.25	0.01341	0.01213	0.01335	2.06E-04	8.83E-07	3.58E-04	0.000565	2.10E-04	8.69E-07	3.98E-04	6.09E-04	2.00E-04	1.10E-06	7.65E-04	9.66E-04
5257	497363.09, 3865377.25	0.01324	0.01209	0.01334	2.03E-04	8.80E-07	3.58E-04	0.000562	2.08E-04	8.66E-07	3.98E-04	6.06E-04	1.97E-04	1.10E-06	7.64E-04	9.63E-04
5258	497863.09, 3865377.25	0.01309	0.01196	0.01324	2.01E-04	8.71E-07	3.55E-04	0.000557	2.05E-04	8.57E-07	3.95E-04	6.01E-04	1.95E-04	1.09E-06	7.58E-04	9.55E-04
5259	498363.09, 3865377.25	0.01308	0.01196	0.01326	2.01E-04	8.71E-07	3.56E-04	0.000557	2.05E-04	8.57E-07	3.96E-04	6.02E-04	1.95E-04	1.09E-06	7.60E-04	9.56E-04
5260	471363.09, 3865877.25	0.0074	0.00701	0.00707	1.14E-04	5.10E-07	1.90E-04	0.000304	1.16E-04	5.02E-07	2.11E-04	3.27E-04	1.10E-04	6.38E-07	4.05E-04	5.16E-04
5261	471863.09, 3865877.25	0.00755	0.00688	0.00718	1.16E-04	5.01E-07	1.93E-04	0.000309	1.18E-04	4.93E-07	2.14E-04	3.33E-04	1.12E-04	6.26E-07	4.11E-04	5.24E-04
5262	472363.09, 3865877.25	0.00774	0.00681	0.00733	1.19E-04	4.96E-07	1.97E-04	0.000316	1.21E-04	4.88E-07	2.19E-04	3.41E-04	1.15E-04	6.19E-07	4.20E-04	5.36E-04
5263	472863.09, 3865877.25	0.00788	0.00686	0.00745	1.21E-04	4.99E-07	2.00E-04	0.000321	1.24E-04	4.92E-07	2.22E-04	3.46E-04	1.17E-04	6.24E-07	4.27E-04	5.45E-04
5264	473363.09, 3865877.25	0.00807	0.00712	0.0076	1.24E-04	5.18E-07	2.04E-04	0.000328	1.27E-04	5.10E-07	2.27E-04	3.54E-04	1.20E-04	6.48E-07	4.35E-04	5.56E-04
5265	473863.09, 3865877.25	0.00831	0.00757	0.0078	1.28E-04	5.51E-07	2.09E-04	0.000337	1.30E-04	5.42E-07	2.33E-04	3.64E-04	1.24E-04	6.89E-07	4.47E-04	5.71E-04
5266	474363.09, 3865877.25	0.00857	0.00807	0.008	1.32E-04	5.87E-07	2.15E-04	0.000347	1.34E-04	5.78E-07	2.39E-04	3.74E-04	1.28E-04	7.34E-07	4.58E-04	5.87E-04
5267	474863.09, 3865877.25	0.00887	0.00847	0.00825	1.36E-04	6.17E-07	2.21E-04	0.000358	1.39E-04	6.07E-07	2.46E-04	3.86E-04	1.32E-04	7.70E-07	4.73E-04	6.06E-04
5268	475363.09, 3865877.25	0.00917	0.00865	0.00852	1.41E-04	6.30E-07	2.29E-04	0.00037	1.44E-04	6.20E-07	2.54E-04	3.99E-04	1.37E-04	7.87E-07	4.88E-04	6.25E-04
5269	475863.09, 3865877.25	0.00951	0.00878	0.00885	1.46E-04	6.39E-07	2.37E-04	0.000384	1.49E-04	6.29E-07	2.64E-04	4.14E-04	1.42E-04	7.99E-07	5.07E-04	6.49E-04
5270	476363.09, 3865877.25	0.00985	0.00904	0.0093	1.51E-04	6.58E-07	2.49E-04	0.000401	1.54E-04	6.48E-07	2.77E-04	4.33E-04	1.47E-04	8.22E-07	5.33E-04	6.80E-04
5271	476863.09, 3865877.25	0.00996	0.00934	0.00947	1.53E-04	6.80E-07	2.54E-04	0.000408	1.56E-04	6.69E-07	2.83E-04	4.39E-04	1.48E-04	8.50E-07	5.42E-04	6.92E-04
5272	477363.09, 3865877.25	0.01069	0.01002	0.01006	1.64E-04	7.29E-07	2.70E-04	0.000435	1.68E-04	7.18E-07	3.00E-04	4.68E-04	1.59E-04	9.11E-07	5.76E-04	7.36E-04
5273	477863.09, 3865877.25	0.01099	0.01019	0.0103	1.69E-04	7.42E-07	2.76E-04	0.000446	1.72E-04	7.30E-07	3.07E-04	4.80E-04	1.64E-04	9.27E-07	5.90E-04	7.55E-04
5274	478363.09, 3865877.25	0.01131	0.01031	0.01056	1.74E-04	7.50E-07	2.83E-04	0.000458	1.77E-04	7.39E-07	3.15E-04	4.93E-04	1.68E-04	9.38E-07	6.05E-04	7.74E-04
5275	478863.09, 3865877.25	0.01161	0.01025	0.01079	1.78E-04	7.46E-07	2.89E-04	0.000468	1.82E-04	7.34E-07	3.22E-04	5.05E-04	1.73E-04	9.32E-07	6.18E-04	7.92E-04
5276	479363.09, 3865877.25	0.01192	0.0101	0.01106	1.83E-04	7.35E-07	2.97E-04	0.00048	1.87E-04	7.24E-07	3.30E-04	5.18E-04	1.78E-04	9.19E-07	6.34E-04	8.12E-04
5277	479863.09, 3865877.25	0.01222	0.01018	0.01136	1.88E-04	7.41E-07	3.05E-04	0.000493	1.92E-04	7.29E-07	3.39E-04	5.31E-04	1.82E-04	9.26E-07	6.51E-04	8.34E-04
5278	480363.09, 3865877.25	0.01253	0.01067	0.01166	1.92E-04	7.77E-07	3.13E-04	0.000506	1.96E-04	7.65E-07	3.48E-04	5.45E-04	1.87E-04	9.71E-07	6.68E-04	8.56E-04
5279	480863.09, 3865877.25	0.01284	0.01126	0.01193	1.97E-04	8.20E-07	3.20E-04	0.000518	2.01E-04	8.07E-07	3.56E-04	5.58E-04	1.91E-04	1.02E-06	6.83E-04	8.76E-04
5280	481363.09, 3865877.25	0.01309	0.01154	0.01212	2.01E-04	8.40E-07	3.25E-04	0.000527	2.05E-04	8.27E-07	3.62E-04	5.68E-04	1.95E-04	1.05E-06	6.94E-04	8.90E-04
5281	481863.09, 3865877.25	0.0133	0.01147	0.01228	2.04E-04	8.35E-07	3.29E-04	0.000534	2.09E-04	8.22E-07	3.66E-04	5.76E-04	1.98E-04	1.04E-06	7.03E-04	9.03E-04
5282	482363.09, 3865877.25	0.01349	0.01153	0.01239	2.07E-04	8.39E-07	3.32E-04	0.00054	2.12E-04	8.26E-07	3.70E-04	5.82E-04	2.01E-04	1.05E-06	7.10E-04	9.12E-04
5283	482863.09, 3865877.25	0.01363	0.01152	0.01244	2.09E-04	8.39E-07	3.34E-04	0.000544	2.14E-04	8.25E-07	3.71E-04	5.86E-04	2.03E-04	1.05E-06	7.13E-04	9.17E-04
5284	483363.09, 3865877.25	0.01369	0.01106	0.01241	2.10E-04	8.05E-07	3.33E-04	0.000544	2.15E-04	7.92E-07	3.70E-04	5.86E-04	2.04E-04	1.01E-06	7.11E-04	9.16E-04
5285	483863.09, 3865877.25	0.01372	0.0106	0.01228	2.11E-04	7.72E-07	3.29E-04	0.000541	2.15E-04	7.60E-07	3.66E-04	5.82E-04	2.04E-04	9.64E-07	7.03E-04	9.09E-04
5286	484363.09, 3865877.25	0.0137	0.01056	0.01214	2.10E-04	7.69E-07	3.26E-04	0.000537	2.15E-04	7.57E-07	3.62E-04	5.78E-04	2.04E-04	9.61E-07	6.95E-04	9.00E-04
5287	484863.09, 3865877.25	0.01358	0.01059	0.01196	2.08E-04	7.71E-07	3.21E-04	0.00053	2.13E-04	7.59E-07	3.57E-04	5.70E-04	2.02E-04	9.63E-07	6.85E-04	8.88E-04
5288	485363.09, 3865877.25	0.01349	0.01045	0.01184	2.07E-04	7.61E-07	3.18E-04	0.000525	2.12E-04	7.49E-07	3.53E-04	5.65E-04	2.01E-04	9.51E-07	6.78E-04	8.80E-04
5289	485863.09, 3865877.25	0.0134	0.0107	0.01177	2.06E-04	7.79E-07	3.16E-04	0.000522	2.10E-04	7.67E-07	3.51E-04	5.62E-04	2.00E-04	9.73E-07	6.74E-04	8.75E-04
5290	486363.09, 3865877.25	0.01334	0.01114	0.01169	2.05E-04	8.11E-07	3.14E-04	0.000519	2.09E-04	7.98E-07	3.49E-04	5.59E-04	1.99E-04	1.01E-06	6.70E-04	8.69E-04
5291	486863.09, 3865877.25	0.01328	0.01114	0.01162	2.04E-04	8.11E-07	3.12E-04	0.000516	2.08E-04	7.98E-07	3.47E-04	5.56E-04	1.98E-04	1.01E-06	6.66E-04	8.64E-04
5292	487363.09, 3865877.25	0.0132	0.01059	0.0116	2.03E-04	7.71E-07	3.11E-04	0.000514	2.07E-04	7.59E-07	3.46E-04	5.54E-04	1.97E-04	9.63E-07	6.65E-04	8.62E-04
5293	487863.09, 3865877.25	0.01319	0.01031	0.01164	2.02E-04	7.50E-07	3.12E-04	0.000515	2.07E-04	7.39E-07	3.47E-04	5.55E-04	1.96E-04	9.38E-07	6.67E-04	8.64E-04
5294	488363.09, 3865877.25	0.01314	0.01034	0.01166	2.02E-04	7.53E-07	3.13E-04	0.000515	2.06E-04	7.41E-07	3.48E-04	5.55E-04	1.96E-04	9.41E-07	6.68E-04	8.65E-04
5295	488863.09, 3865877.25	0.01312	0.01061	0.01179	2.01E-04	7.72E-07	3.16E-04	0.000518	2.06E-04	7.60E-07	3.52E-04	5.58E-04	1.95E-04	9.65E-07	6.75E-04	8.72E-04
5296	489363.09, 3865877.25	0.01308	0.01092	0.01192	2.01E-04	7.95E-07	3.20E-04	0.000521	2.05E-04	7.82E-07	3.56E-04	5.61E-04	1.95E-04	9.93E-07	6.83E-04	8.79E-04
5297	489863.09, 3865877.25	0.01304	0.01115	0.01202	2.00E-04	8.12E-07	3.22E-04	0.000523	2.04E-04	7.99E-07	3.59E-04	5.64E-04	1.94E-04	1.01E-06	6.89E-04	8.84E-04

5298	490363.09, 3865877.25	0.01313	0.01136	0.01222	2.01E-04	8.27E-07	3.28E-04	0.00053	2.06E-04	8.14E-07	3.65E-04	5.71E-04	1.96E-04	1.03E-06	7.00E-04	8.97E-04
5299	490863.09, 3865877.25	0.01308	0.01123	0.01239	2.01E-04	8.17E-07	3.32E-04	0.000534	2.05E-04	8.05E-07	3.70E-04	5.76E-04	1.95E-04	1.02E-06	7.10E-04	9.06E-04
5300	491363.09, 3865877.25	0.01277	0.01062	0.01221	1.96E-04	7.73E-07	3.27E-04	0.000524	2.00E-04	7.61E-07	3.64E-04	5.65E-04	1.90E-04	9.66E-07	6.99E-04	8.91E-04
5301	491863.09, 3865877.25	0.01266	0.0113	0.01227	1.94E-04	8.23E-07	3.29E-04	0.000524	1.98E-04	8.10E-07	3.66E-04	5.65E-04	1.89E-04	1.03E-06	7.03E-04	8.93E-04
5302	492363.09, 3865877.25	0.01228	0.01124	0.01207	1.88E-04	8.18E-07	3.24E-04	0.000513	1.93E-04	8.05E-07	3.60E-04	5.53E-04	1.83E-04	1.02E-06	6.91E-04	8.75E-04
5303	492863.09, 3865877.25	0.00988	0.00902	0.00978	1.52E-04	6.57E-07	2.62E-04	0.000415	1.55E-04	6.46E-07	2.92E-04	4.47E-04	1.47E-04	8.20E-07	5.60E-04	7.08E-04
5304	493363.09, 3865877.25	0.00982	0.00893	0.00976	1.51E-04	6.50E-07	2.62E-04	0.000413	1.54E-04	6.40E-07	2.91E-04	4.46E-04	1.46E-04	8.12E-07	5.59E-04	7.06E-04
5305	493863.09, 3865877.25	0.01081	0.00972	0.01079	1.66E-04	7.08E-07	2.89E-04	0.000456	1.69E-04	6.96E-07	3.22E-04	4.92E-04	1.61E-04	8.84E-07	6.18E-04	7.80E-04
5306	494363.09, 3865877.25	0.0119	0.01073	0.01175	1.83E-04	7.81E-07	3.15E-04	0.000499	1.87E-04	7.69E-07	3.51E-04	5.38E-04	1.77E-04	9.76E-07	6.73E-04	8.51E-04
5307	494863.09, 3865877.25	0.01326	0.01187	0.01305	2.03E-04	8.64E-07	3.50E-04	0.000554	2.08E-04	8.51E-07	3.89E-04	5.98E-04	1.98E-04	1.08E-06	7.48E-04	9.46E-04
5308	495363.09, 3865877.25	0.01385	0.01256	0.01382	2.13E-04	9.14E-07	3.71E-04	0.000584	2.17E-04	9.00E-07	4.12E-04	6.30E-04	2.06E-04	1.14E-06	7.92E-04	9.99E-04
5309	495863.09, 3865877.25	0.01396	0.01276	0.01401	2.14E-04	9.29E-07	3.76E-04	0.000591	2.19E-04	9.14E-07	4.18E-04	6.38E-04	2.08E-04	1.16E-06	8.03E-04	1.01E-03
5310	496363.09, 3865877.25	0.01352	0.01242	0.01356	2.07E-04	9.04E-07	3.64E-04	0.000572	2.12E-04	8.90E-07	4.05E-04	6.17E-04	2.01E-04	1.13E-06	7.77E-04	9.79E-04
5311	496863.09, 3865877.25	0.01268	0.01167	0.01267	1.95E-04	8.49E-07	3.40E-04	0.000535	1.99E-04	8.36E-07	3.78E-04	5.78E-04	1.89E-04	1.06E-06	7.26E-04	9.16E-04
5312	497363.09, 3865877.25	0.0122	0.0111	0.01212	1.87E-04	8.08E-07	3.25E-04	0.000513	1.91E-04	7.95E-07	3.62E-04	5.54E-04	1.82E-04	1.01E-06	6.94E-04	8.77E-04
5313	497863.09, 3865877.25	0.01205	0.01085	0.01195	1.85E-04	7.90E-07	3.21E-04	0.000506	1.89E-04	7.77E-07	3.56E-04	5.46E-04	1.80E-04	9.87E-07	6.85E-04	8.65E-04
5314	498363.09, 3865877.25	0.01191	0.01066	0.01181	1.83E-04	7.76E-07	3.17E-04	0.0005	1.87E-04	7.64E-07	3.52E-04	5.40E-04	1.77E-04	9.70E-07	6.77E-04	8.55E-04
5315	471363.09, 3866377.25	0.00701	0.00626	0.00663	1.08E-04	4.56E-07	1.78E-04	0.000286	1.10E-04	4.49E-07	1.98E-04	3.08E-04	1.04E-04	5.69E-07	3.80E-04	4.85E-04
5316	471863.09, 3866377.25	0.00716	0.00621	0.00675	1.10E-04	4.52E-07	1.81E-04	0.000291	1.12E-04	4.45E-07	2.01E-04	3.14E-04	1.07E-04	5.65E-07	3.87E-04	4.94E-04
5317	472363.09, 3866377.25	0.00732	0.00631	0.00687	1.12E-04	4.59E-07	1.84E-04	0.000297	1.15E-04	4.52E-07	2.05E-04	3.20E-04	1.09E-04	5.74E-07	3.94E-04	5.03E-04
5318	472863.09, 3866377.25	0.00747	0.00657	0.00699	1.15E-04	4.78E-07	1.87E-04	0.000303	1.17E-04	4.71E-07	2.09E-04	3.26E-04	1.11E-04	5.98E-07	4.00E-04	5.12E-04
5319	473363.09, 3866377.25	0.00768	0.00701	0.00717	1.18E-04	5.10E-07	1.92E-04	0.000311	1.20E-04	5.02E-07	2.14E-04	3.35E-04	1.14E-04	6.38E-07	4.11E-04	5.26E-04
5320	473863.09, 3866377.25	0.00791	0.00748	0.00736	1.21E-04	5.44E-07	1.97E-04	0.000319	1.24E-04	5.36E-07	2.20E-04	3.44E-04	1.18E-04	6.80E-07	4.22E-04	5.40E-04
5321	474363.09, 3866377.25	0.00817	0.00784	0.00758	1.25E-04	5.71E-07	2.03E-04	0.000329	1.28E-04	5.62E-07	2.26E-04	3.55E-04	1.22E-04	7.13E-07	4.34E-04	5.57E-04
5322	474863.09, 3866377.25	0.00845	0.00803	0.00784	1.30E-04	5.85E-07	2.10E-04	0.000341	1.32E-04	5.75E-07	2.34E-04	3.67E-04	1.26E-04	7.30E-07	4.49E-04	5.76E-04
5323	475363.09, 3866377.25	0.00873	0.00809	0.00811	1.34E-04	5.89E-07	2.18E-04	0.000352	1.37E-04	5.80E-07	2.42E-04	3.79E-04	1.30E-04	7.36E-07	4.65E-04	5.95E-04
5324	475863.09, 3866377.25	0.00903	0.00828	0.00841	1.39E-04	6.03E-07	2.26E-04	0.000365	1.42E-04	5.93E-07	2.51E-04	3.93E-04	1.35E-04	7.53E-07	4.82E-04	6.17E-04
5325	476363.09, 3866377.25	0.00945	0.00875	0.00886	1.45E-04	6.37E-07	2.38E-04	0.000383	1.48E-04	6.27E-07	2.64E-04	4.13E-04	1.41E-04	7.96E-07	5.08E-04	6.49E-04
5326	476863.09, 3866377.25	0.00936	0.00882	0.00894	1.44E-04	6.42E-07	2.40E-04	0.000384	1.47E-04	6.32E-07	2.67E-04	4.14E-04	1.39E-04	8.02E-07	5.12E-04	6.52E-04
5327	477363.09, 3866377.25	0.01006	0.00937	0.00948	1.54E-04	6.82E-07	2.54E-04	0.000409	1.58E-04	6.71E-07	2.83E-04	4.41E-04	1.50E-04	8.52E-07	5.43E-04	6.94E-04
5328	477863.09, 3866377.25	0.01044	0.0096	0.00974	1.60E-04	6.99E-07	2.61E-04	0.000422	1.64E-04	6.88E-07	2.91E-04	4.55E-04	1.56E-04	8.73E-07	5.58E-04	7.14E-04
5329	478363.09, 3866377.25	0.01065	0.00964	0.0099	1.63E-04	7.02E-07	2.66E-04	0.00043	1.67E-04	6.91E-07	2.95E-04	4.63E-04	1.59E-04	8.77E-07	5.67E-04	7.27E-04
5330	478863.09, 3866377.25	0.01092	0.00953	0.01012	1.68E-04	6.94E-07	2.71E-04	0.00044	1.71E-04	6.83E-07	3.02E-04	4.74E-04	1.63E-04	8.67E-07	5.80E-04	7.43E-04
5331	479363.09, 3866377.25	0.0112	0.0094	0.01038	1.72E-04	6.84E-07	2.78E-04	0.000451	1.76E-04	6.74E-07	3.10E-04	4.86E-04	1.67E-04	8.55E-07	5.95E-04	7.62E-04
5332	479863.09, 3866377.25	0.01151	0.00955	0.01069	1.77E-04	6.95E-07	2.87E-04	0.000464	1.80E-04	6.84E-07	3.19E-04	5.00E-04	1.71E-04	8.69E-07	6.12E-04	7.85E-04
5333	480363.09, 3866377.25	0.01179	0.01008	0.01096	1.81E-04	7.34E-07	2.94E-04	0.000476	1.85E-04	7.22E-07	3.27E-04	5.13E-04	1.76E-04	9.17E-07	6.28E-04	8.04E-04
5334	480863.09, 3866377.25	0.012	0.01064	0.01112	1.84E-04	7.75E-07	2.98E-04	0.000483	1.88E-04	7.62E-07	3.32E-04	5.21E-04	1.79E-04	9.68E-07	6.37E-04	8.17E-04
5335	481363.09, 3866377.25	0.0122	0.0108	0.01126	1.87E-04	7.86E-07	3.02E-04	0.00049	1.91E-04	7.74E-07	3.36E-04	5.28E-04	1.82E-04	9.82E-07	6.45E-04	8.28E-04
5336	481863.09, 3866377.25	0.01232	0.01062	0.01133	1.89E-04	7.73E-07	3.04E-04	0.000494	1.93E-04	7.61E-07	3.38E-04	5.32E-04	1.84E-04	9.66E-07	6.49E-04	8.34E-04
5337	482363.09, 3866377.25	0.01244	0.01063	0.01139	1.91E-04	7.74E-07	3.05E-04	0.000497	1.95E-04	7.62E-07	3.40E-04	5.36E-04	1.85E-04	9.67E-07	6.52E-04	8.39E-04
5338	482863.09, 3866377.25	0.01256	0.01048	0.01144	1.93E-04	7.63E-07	3.07E-04	0.0005	1.97E-04	7.51E-07	3.41E-04	5.39E-04	1.87E-04	9.53E-07	6.55E-04	8.43E-04
5339	483363.09, 3866377.25	0.01262	0.01007	0.01138	1.94E-04	7.33E-07	3.05E-04	0.0005	1.98E-04	7.22E-07	3.39E-04	5.38E-04	1.88E-04	9.16E-07	6.52E-04	8.41E-04
5340	483863.09, 3866377.25	0.01263	0.00986	0.01126	1.94E-04	7.18E-07	3.02E-04	0.000497	1.98E-04	7.06E-07	3.36E-04	5.35E-04	1.88E-04	8.97E-07	6.45E-04	8.34E-04
5341	484363.09, 3866377.25	0.01257	0.00982	0.0111	1.93E-04	7.15E-07	2.98E-04	0.000491	1.97E-04	7.04E-07	3.31E-04	5.29E-04	1.87E-04	8.93E-07	6.36E-04	8.24E-04
5342	484863.09, 3866377.25	0.01251	0.00971	0.01098	1.92E-04	7.07E-07	2.94E-04	0.000487	1.96E-04	6.96E-07	3.28E-04	5.24E-04	1.86E-04	8.83E-07	6.29E-04	8.16E-04
5343	485363.09, 3866377.25	0.01238	0.00953	0.01084	1.90E-04	6.94E-07	2.91E-04	0.000481	1.94E-04	6.83E-07	3.23E-04	5.18E-04	1.84E-04	8.67E-07	6.21E-04	8.06E-04
5344	485863.09, 3866377.25	0.01227	0.00977	0.01073	1.88E-04	7.11E-07	2.88E-04	0.000477	1.92E-04	7.00E-07	3.20E-04	5.13E-04	1.83E-04	8.89E-07	6.15E-04	7.98E-04
5345	486363.09, 3866377.25	0.01223	0.01016	0.01066	1.88E-04	7.40E-07	2.86E-04	0.000474	1.92E-04	7.28E-07	3.18E-04	5.10E-04	1.82E-04	9.24E-07	6.11E-04	7.94E-04
5346	486863.09, 3866377.25	0.01221	0.01026	0.01065	1.87E-04	7.47E-07	2.86E-04	0.000474	1.91E-04	7.35E-07	3.18E-04	5.10E-04	1.82E-04	9.33E-07	6.10E-04	7.93E-04
5347	487363.09, 3866377.25	0.01237	0.01002	0.01083	1.90E-04	7.29E-07	2.90E-04	0.000481	1.94E-04	7.18E-07	3.23E-04	5.18E-04	1.84E-04	9.11E-07	6.20E-04	8.06E-04
5348	487863.09, 3866377.25	0.01244	0.0098	0.01094	1.91E-04	7.13E-07	2.93E-04	0.000485	1.95E-04	7.02E-07	3.26E-04	5.22E-04	1.85E-04	8.91E-07	6.27E-04	8.13E-04
5349	488363.09, 3866377.25	0.01239	0.00976	0.01097	1.90E-04	7.10E-07	2.94E-04	0.000485	1.94E-04	6.99E-07	3.27E-04	5.22E-04	1.85E-04	8.88E-07	6.28E-04	8.14E-04
5350	488863.09, 3866377.25	0.0123	0.00996	0.01111	1.89E-04	7.25E-07	2.98E-04	0.000487	1.93E-04	7.14E-07	3.31E-04	5.25E-04	1.83E-04	9.06E-07	6.36E-04	8.21E-04
5351	489363.09, 3866377.25	0.01215	0.01015	0.01115	1.86E-04	7.39E-07	2.99E-04	0.000486	1.91E-04	7.27E-07	3.33E-04	5.24E-04	1.81E-04	9.23E-07	6.39E-04	8.21E-04
5352	489863.09, 3866377.25	0.01177	0.00995	0.01096	1.81E-04	7.24E-07	2.94E-04	0.000475	1.85E-04	7.13E-07	3.27E-04	5.12E-04	1.75E-04	9.05E-07	6.28E-04	8.04E-04
5353	490363.09, 3866377.25	0.01205	0.01042	0.01115	1.85E-04	7.58E-07	2.99E-04	0.000485	1.89E-04	7.47E-07	3.33E-04	5.22E-04	1.80E-04	9.48E-07	6.39E-04	8.19E-04
5354	490863.09, 3866377.25	0.01203	0.0104	0.01121	1.85E-04	7.57E-07	3.01E-04	0.000486	1.89E-04	7.45E-07	3.34E-04	5.24E-04	1.79E-04	9.46E-07	6.42E-04	8.22E-04

5355	491363.09, 3866377.25	0.01208	0.01036	0.01143	1.85E-04	7.54E-07	3.07E-04	0.000493	1.89E-04	7.42E-07	3.41E-04	5.31E-04	1.80E-04	9.42E-07	6.55E-04	8.36E-04
5356	491863.09, 3866377.25	0.01129	0.00969	0.01092	1.73E-04	7.05E-07	2.93E-04	0.000467	1.77E-04	6.94E-07	3.26E-04	5.03E-04	1.68E-04	8.81E-07	6.26E-04	7.95E-04
5357	492363.09, 3866377.25	0.0113	0.01034	0.01104	1.73E-04	7.53E-07	2.96E-04	0.00047	1.77E-04	7.41E-07	3.29E-04	5.07E-04	1.68E-04	9.41E-07	6.32E-04	8.02E-04
5358	492863.09, 3866377.25	0.01039	0.00957	0.01028	1.59E-04	6.97E-07	2.76E-04	0.000436	1.63E-04	6.86E-07	3.07E-04	4.70E-04	1.55E-04	8.71E-07	5.89E-04	7.45E-04
5359	493363.09, 3866377.25	0.01096	0.00988	0.01077	1.68E-04	7.19E-07	2.89E-04	0.000458	1.72E-04	7.08E-07	3.21E-04	4.94E-04	1.63E-04	8.99E-07	6.17E-04	7.81E-04
5360	493863.09, 3866377.25	0.01145	0.01022	0.01128	1.76E-04	7.44E-07	3.03E-04	0.000479	1.80E-04	7.32E-07	3.37E-04	5.17E-04	1.71E-04	9.30E-07	6.46E-04	8.18E-04
5361	494363.09, 3866377.25	0.01173	0.01034	0.01144	1.80E-04	7.53E-07	3.07E-04	0.000488	1.84E-04	7.41E-07	3.41E-04	5.26E-04	1.75E-04	9.41E-07	6.55E-04	8.31E-04
5362	494863.09, 3866377.25	0.0115	0.01027	0.01123	1.76E-04	7.48E-07	3.01E-04	0.000478	1.80E-04	7.36E-07	3.35E-04	5.16E-04	1.71E-04	9.34E-07	6.43E-04	8.16E-04
5363	495363.09, 3866377.25	0.01186	0.01069	0.01169	1.82E-04	7.78E-07	3.14E-04	0.000496	1.86E-04	7.66E-07	3.49E-04	5.35E-04	1.77E-04	9.72E-07	6.70E-04	8.47E-04
5364	495863.09, 3866377.25	0.01236	0.01131	0.01238	1.90E-04	8.23E-07	3.32E-04	0.000523	1.94E-04	8.10E-07	3.69E-04	5.64E-04	1.84E-04	1.03E-06	7.09E-04	8.94E-04
5365	496363.09, 3866377.25	0.01245	0.01146	0.01253	1.91E-04	8.34E-07	3.36E-04	0.000528	1.95E-04	8.21E-07	3.74E-04	5.70E-04	1.85E-04	1.04E-06	7.18E-04	9.04E-04
5366	496863.09, 3866377.25	0.01197	0.01108	0.01205	1.84E-04	8.07E-07	3.23E-04	0.000508	1.88E-04	7.94E-07	3.59E-04	5.48E-04	1.78E-04	1.01E-06	6.90E-04	8.70E-04
5367	497363.09, 3866377.25	0.01143	0.01063	0.01148	1.75E-04	7.74E-07	3.08E-04	0.000484	1.79E-04	7.62E-07	3.42E-04	5.22E-04	1.70E-04	9.67E-07	6.58E-04	8.29E-04
5368	497863.09, 3866377.25	0.01098	0.0101	0.01093	1.68E-04	7.35E-07	2.93E-04	0.000462	1.72E-04	7.24E-07	3.26E-04	4.99E-04	1.64E-04	9.19E-07	6.26E-04	7.91E-04
5369	498363.09, 3866377.25	0.00991	0.00902	0.00987	1.52E-04	6.57E-07	2.65E-04	0.000417	1.55E-04	6.46E-07	2.94E-04	4.50E-04	1.48E-04	8.20E-07	5.65E-04	7.14E-04
5370	474494.92, 3848334.16	0.00691	0.00734	0.00665	1.06E-04	5.34E-07	1.78E-04	0.000285	1.08E-04	5.26E-07	1.98E-04	3.07E-04	1.03E-04	6.68E-07	3.81E-04	4.85E-04
5371	475167.27, 3848920.79	0.00788	0.00845	0.0076	1.21E-04	6.15E-07	2.04E-04	0.000325	1.24E-04	6.05E-07	2.27E-04	3.51E-04	1.17E-04	7.69E-07	4.35E-04	5.54E-04
5372	475297.89, 3848997.96	0.00801	0.00861	0.00773	1.23E-04	6.27E-07	2.07E-04	0.000331	1.26E-04	6.17E-07	2.31E-04	3.57E-04	1.19E-04	7.83E-07	4.43E-04	5.63E-04
5373	475439.05, 3849062	0.00791	0.0085	0.00765	1.21E-04	6.19E-07	2.05E-04	0.000327	1.24E-04	6.09E-07	2.28E-04	3.53E-04	1.18E-04	7.73E-07	4.38E-04	5.57E-04
5374	475486.86, 3849061.09	0.00783	0.00842	0.00758	1.20E-04	6.13E-07	2.03E-04	0.000324	1.23E-04	6.03E-07	2.26E-04	3.49E-04	1.17E-04	7.66E-07	4.34E-04	5.52E-04
5375	475538.46, 3849075.56	0.00789	0.00848	0.00762	1.21E-04	6.17E-07	2.04E-04	0.000326	1.24E-04	6.08E-07	2.27E-04	3.52E-04	1.18E-04	7.71E-07	4.37E-04	5.55E-04
5376	475751.79, 3849137.15	0.00827	0.00891	0.00795	1.27E-04	6.49E-07	2.13E-04	0.000341	1.30E-04	6.38E-07	2.37E-04	3.67E-04	1.23E-04	8.10E-07	4.55E-04	5.79E-04
5377	476303.62, 3849223.38	0.00848	0.00919	0.00807	1.30E-04	6.69E-07	2.16E-04	0.000347	1.33E-04	6.58E-07	2.41E-04	3.74E-04	1.26E-04	8.36E-07	4.62E-04	5.89E-04
5378	476304.51, 3849238.92	0.00854	0.00925	0.00813	1.31E-04	6.73E-07	2.18E-04	0.00035	1.34E-04	6.63E-07	2.43E-04	3.77E-04	1.27E-04	8.41E-07	4.66E-04	5.94E-04
5379	476365.04, 3849247.98	0.00854	0.00925	0.00812	1.31E-04	6.73E-07	2.18E-04	0.00035	1.34E-04	6.63E-07	2.42E-04	3.77E-04	1.27E-04	8.41E-07	4.65E-04	5.93E-04
5380	476444.86, 3849267.13	0.0085	0.00921	0.00808	1.30E-04	6.70E-07	2.17E-04	0.000348	1.33E-04	6.60E-07	2.41E-04	3.75E-04	1.27E-04	8.38E-07	4.63E-04	5.90E-04
5381	476550.75, 3849300.66	0.00861	0.0093	0.00816	1.32E-04	6.77E-07	2.19E-04	0.000352	1.35E-04	6.66E-07	2.43E-04	3.79E-04	1.28E-04	8.46E-07	4.67E-04	5.97E-04
5382	476656.71, 3849346.88	0.00871	0.0094	0.00824	1.34E-04	6.84E-07	2.21E-04	0.000355	1.37E-04	6.74E-07	2.46E-04	3.83E-04	1.30E-04	8.55E-07	4.72E-04	6.03E-04
5383	476873.55, 3849454.53	0.00903	0.00968	0.00849	1.39E-04	7.05E-07	2.28E-04	0.000367	1.42E-04	6.94E-07	2.53E-04	3.96E-04	1.35E-04	8.81E-07	4.86E-04	6.22E-04
5384	477700, 3849859.7	0.01069	0.01107	0.00985	1.64E-04	8.06E-07	2.64E-04	0.000429	1.68E-04	7.93E-07	2.94E-04	4.62E-04	1.59E-04	1.01E-06	5.64E-04	7.25E-04
5385	477743.16, 3849856.38	0.01063	0.01103	0.00986	1.63E-04	8.03E-07	2.64E-04	0.000428	1.67E-04	7.90E-07	2.94E-04	4.62E-04	1.58E-04	1.00E-06	5.65E-04	7.24E-04
5386	478477.35, 3850216.33	0.01309	0.01383	0.01238	2.01E-04	1.01E-06	3.32E-04	0.000534	2.05E-04	9.91E-07	3.69E-04	5.76E-04	1.95E-04	1.26E-06	7.09E-04	9.05E-04
5387	478485.8, 3850201.6	0.0132	0.01398	0.01251	2.03E-04	1.02E-06	3.36E-04	0.000539	2.07E-04	1.00E-06	3.73E-04	5.81E-04	1.97E-04	1.27E-06	7.17E-04	9.15E-04
5388	479113.21, 3850501.53	0.01765	0.01993	0.01703	2.71E-04	1.45E-06	4.57E-04	0.000729	2.77E-04	1.43E-06	5.08E-04	7.86E-04	2.63E-04	1.81E-06	9.76E-04	1.24E-03
5389	479108.11, 3850382.28	0.01778	0.02041	0.01737	2.73E-04	1.49E-06	4.66E-04	0.00074	2.79E-04	1.46E-06	5.18E-04	7.98E-04	2.65E-04	1.86E-06	9.95E-04	1.26E-03
5390	479689.85, 3850674.28	0.02052	0.02411	0.02037	3.15E-04	1.76E-06	5.46E-04	0.000863	3.22E-04	1.73E-06	6.08E-04	9.31E-04	3.06E-04	2.19E-06	1.17E-03	1.47E-03
5391	479952.42, 3850774.28	0.0214	0.02499	0.02116	3.28E-04	1.82E-06	5.68E-04	0.000898	3.36E-04	1.79E-06	6.31E-04	9.69E-04	3.19E-04	2.27E-06	1.21E-03	1.53E-03
5392	479911.32, 3850884.85	0.02218	0.02632	0.02197	3.40E-04	1.92E-06	5.89E-04	0.000932	3.48E-04	1.89E-06	6.55E-04	1.01E-03	3.30E-04	2.39E-06	1.26E-03	1.59E-03
5393	480500.92, 3851178.12	0.02515	0.02849	0.02416	3.86E-04	2.07E-06	6.48E-04	0.001036	3.94E-04	2.04E-06	7.21E-04	1.12E-03	3.75E-04	2.59E-06	1.38E-03	1.76E-03
5394	480738.01, 3851289.27	0.02608	0.0286	0.02463	4.00E-04	2.08E-06	6.61E-04	0.001063	4.09E-04	2.05E-06	7.35E-04	1.15E-03	3.89E-04	2.60E-06	1.41E-03	1.80E-03
5395	481055.42, 3851443.58	0.02726	0.02926	0.0253	4.18E-04	2.13E-06	6.79E-04	0.001099	4.27E-04	2.10E-06	7.55E-04	1.18E-03	4.06E-04	2.66E-06	1.45E-03	1.86E-03
5396	481110.22, 3851443.15	0.027	0.02894	0.02503	4.14E-04	2.11E-06	6.71E-04	0.001088	4.23E-04	2.07E-06	7.47E-04	1.17E-03	4.02E-04	2.63E-06	1.43E-03	1.84E-03
5397	481111.1, 3851417.45	0.02656	0.02847	0.02466	4.08E-04	2.07E-06	6.61E-04	0.001071	4.16E-04	2.04E-06	7.36E-04	1.15E-03	3.96E-04	2.59E-06	1.41E-03	1.81E-03
5398	482248.44, 3852605.09	0.0472	0.05324	0.0419	7.24E-04	3.88E-06	1.12E-03	0.001852	7.40E-04	3.81E-06	1.25E-03	1.99E-03	7.03E-04	4.84E-06	2.40E-03	3.11E-03
5399	482273.34, 3852632.31	0.04797	0.05414	0.04251	7.36E-04	3.94E-06	1.14E-03	0.00188	7.52E-04	3.88E-06	1.27E-03	2.02E-03	7.15E-04	4.92E-06	2.44E-03	3.15E-03
5400	482665.46, 3853038.72	0.06542	0.07027	0.05586	1.00E-03	5.12E-06	1.50E-03	0.002507	1.03E-03	5.04E-06	1.67E-03	2.70E-03	9.75E-04	6.39E-06	3.20E-03	4.18E-03
5401	483077.95, 3853844.31	0.41844	0.16621	0.40307	6.42E-03	1.21E-05	1.08E-02	0.017244	6.56E-03	1.19E-05	1.20E-02	1.86E-02	6.23E-03	1.51E-05	2.31E-02	2.93E-02
5402	483121.38, 3853909.38	0.39205	0.18087	0.47705	6.02E-03	1.32E-05	1.28E-02	0.018824	6.15E-03	1.30E-05	1.42E-02	2.04E-02	5.84E-03	1.65E-05	2.73E-02	3.32E-02
5403	483492.64, 3853911.49	0.23205	0.15198	0.28048	3.56E-03	1.11E-05	7.52E-03	0.011095	3.64E-03	1.09E-05	8.37E-03	1.20E-02	3.46E-03	1.38E-05	1.61E-02	1.95E-02
5404	483498.29, 3854204.73	0.32432	0.2554	0.57095	4.98E-03	1.86E-05	1.53E-02	0.020308	5.09E-03	1.83E-05	1.70E-02	2.21E-02	4.83E-03	2.32E-05	3.27E-02	3.76E-02
5405	484132.44, 3854662.55	0.45939	1.31873	0.46555	7.05E-03	9.60E-05	1.25E-02	0.019632	7.20E-03	9.45E-05	1.39E-02	2.12E-02	6.84E-03	1.20E-04	2.67E-02	3.36E-02
5406	484627.62, 3854876.13	0.58922	1.94078	0.52306	9.04E-03	1.41E-04	1.40E-02	0.023212	9.24E-03	1.39E-04	1.56E-02	2.50E-02	8.78E-03	1.77E-04	3.00E-02	3.89E-02
5407	484756.14, 3854949.04	0.63544	1.98002	0.5589	9.75E-03	1.44E-04	1.50E-02	0.024885	9.96E-03	1.42E-04	1.67E-02	2.68E-02	9.47E-03	1.80E-04	3.20E-02	4.17E-02
5408	486697.51, 3856599.17	0.89665	0.23674	0.95631	1.38E-02	1.72E-05	2.56E-02	0.039425	1.41E-02	1.70E-05	2.85E-02	4.26E-02	1.34E-02	2.15E-05	5.48E-02	6.82E-02
5409	487105.31, 3856962.27	1.04398	0.40138	1.13005	1.60E-02	2.92E-05	3.03E-02	0.046358	1.64E-02	2.88E-05	3.37E-02	5.01E-02	1.56E-02	3.65E-05	6.47E-02	8.03E-02
5410	487157.57, 3856901.7	0.95437	0.34588	1.0272	1.46E-02	2.52E-05	2.76E-02	0.04222	1.50E-02	2.48E-05	3.06E-02	4.56E-02	1.42E-02	3.15E-05	5.88E-02	7.31E-02
5411	487173.5, 3856853.74	0.90653	0.31242	0.97213	1.39E-02	2.27E-05	2.61E-02	0.040007	1.42E-02	2.24E-05	2.90E-02	4.32E-02	1.35E-02	2.84E-05	5.57E-02	6.92E-02

5412	487564.41, 3856860.83	0.74694	0.41859	0.79884	1.15E-02	3.05E-05	2.14E-02	0.032918	1.17E-02	3.00E-05	2.38E-02	3.56E-02	1.11E-02	3.81E-05	4.58E-02	5.69E-02
5413	487563.31, 3856931.58	0.78529	0.52914	0.84372	1.21E-02	3.85E-05	2.26E-02	0.034718	1.23E-02	3.79E-05	2.52E-02	3.75E-02	1.17E-02	4.81E-05	4.83E-02	6.01E-02
5414	487782.7, 3856926.85	0.70706	0.56246	0.75821	1.08E-02	4.09E-05	2.03E-02	0.031226	1.11E-02	4.03E-05	2.26E-02	3.37E-02	1.05E-02	5.12E-05	4.34E-02	5.40E-02
5415	487782.39, 3856757.07	0.63832	0.35477	0.67795	9.80E-03	2.58E-05	1.82E-02	0.028004	1.00E-02	2.54E-05	2.02E-02	3.03E-02	9.51E-03	3.23E-05	3.88E-02	4.84E-02
5416	487917.26, 3856752.41	0.6068	0.37052	0.64392	9.31E-03	2.70E-05	1.73E-02	0.026609	9.51E-03	2.65E-05	1.92E-02	2.88E-02	9.04E-03	3.37E-05	3.69E-02	4.60E-02
5417	487919.57, 3856953.35	0.67676	0.61996	0.7267	1.04E-02	4.51E-05	1.95E-02	0.029921	1.06E-02	4.44E-05	2.17E-02	3.23E-02	1.01E-02	5.64E-05	4.16E-02	5.18E-02
5418	487932.76, 3857000.32	0.68889	0.70417	0.74203	1.06E-02	5.13E-05	1.99E-02	0.030524	1.08E-02	5.05E-05	2.21E-02	3.30E-02	1.03E-02	6.41E-05	4.25E-02	5.28E-02
5419	487960.5, 3857044.75	0.696	0.78793	0.75214	1.07E-02	5.74E-05	2.02E-02	0.03091	1.09E-02	5.65E-05	2.24E-02	3.34E-02	1.04E-02	7.17E-05	4.31E-02	5.35E-02
5420	488016.54, 3857089.54	0.69357	0.86057	0.75219	1.06E-02	6.26E-05	2.02E-02	0.03088	1.09E-02	6.17E-05	2.24E-02	3.34E-02	1.03E-02	7.83E-05	4.31E-02	5.35E-02
5421	488114.39, 3857165.47	0.68742	0.95415	0.75585	1.05E-02	6.95E-05	2.03E-02	0.03089	1.08E-02	6.84E-05	2.25E-02	3.34E-02	1.02E-02	8.68E-05	4.33E-02	5.36E-02
5422	488171.49, 3857234.24	0.69058	1.00963	0.76308	1.06E-02	7.35E-05	2.05E-02	0.031137	1.08E-02	7.23E-05	2.28E-02	3.37E-02	1.03E-02	9.18E-05	4.37E-02	5.41E-02
5423	488193.16, 3857297.8	0.70339	1.05552	0.78106	1.08E-02	7.68E-05	2.09E-02	0.031819	1.10E-02	7.56E-05	2.33E-02	3.44E-02	1.05E-02	9.60E-05	4.47E-02	5.53E-02
5424	488189.27, 3857649.94	0.82367	0.93263	0.93541	1.26E-02	6.79E-05	2.51E-02	0.037795	1.29E-02	6.68E-05	2.79E-02	4.09E-02	1.23E-02	8.48E-05	5.36E-02	6.59E-02
5425	488127.43, 3857732.32	0.89115	0.87228	1.02873	1.37E-02	6.35E-05	2.76E-02	0.041329	1.40E-02	6.25E-05	3.07E-02	4.47E-02	1.33E-02	7.93E-05	5.89E-02	7.23E-02
5426	488149.93, 3857752.94	0.88348	0.82612	1.02269	1.36E-02	6.01E-05	2.74E-02	0.041046	1.39E-02	5.92E-05	3.05E-02	4.44E-02	1.32E-02	7.51E-05	5.86E-02	7.18E-02
5427	488144.76, 3857758.71	0.88864	0.8213	1.03106	1.36E-02	5.98E-05	2.77E-02	0.04135	1.39E-02	5.88E-05	3.08E-02	4.48E-02	1.32E-02	7.47E-05	5.91E-02	7.24E-02
5428	488335.58, 3857932.55	0.81882	0.52446	0.94446	1.26E-02	3.82E-05	2.53E-02	0.037934	1.28E-02	3.76E-05	2.82E-02	4.11E-02	1.22E-02	4.77E-05	5.41E-02	6.63E-02
5429	488372.29, 3857943.79	0.80011	0.50482	0.91826	1.23E-02	3.67E-05	2.46E-02	0.036943	1.25E-02	3.62E-05	2.74E-02	4.00E-02	1.19E-02	4.59E-05	5.26E-02	6.46E-02
5430	488828.64, 3857936.4	0.59444	0.41873	0.66267	9.12E-03	3.05E-05	1.78E-02	0.026925	9.32E-03	3.00E-05	1.98E-02	2.91E-02	8.86E-03	3.81E-05	3.80E-02	4.69E-02
5431	488829.08, 3857959.58	0.59487	0.40648	0.66409	9.13E-03	2.96E-05	1.78E-02	0.026969	9.33E-03	2.91E-05	1.98E-02	2.92E-02	8.86E-03	3.70E-05	3.80E-02	4.69E-02
5432	488351.61, 3857964.55	0.81712	0.49085	0.94197	1.25E-02	3.57E-05	2.53E-02	0.037839	1.28E-02	3.52E-05	2.81E-02	4.09E-02	1.22E-02	4.46E-05	5.40E-02	6.62E-02
5433	488316.87, 3857947.65	0.83378	0.51463	0.96616	1.28E-02	3.75E-05	2.59E-02	0.038745	1.31E-02	3.69E-05	2.88E-02	4.19E-02	1.24E-02	4.68E-05	5.53E-02	6.78E-02
5434	488129.1, 3857775.77	0.90494	0.80585	1.05634	1.39E-02	5.87E-05	2.83E-02	0.042277	1.42E-02	5.77E-05	3.15E-02	4.58E-02	1.35E-02	7.33E-05	6.05E-02	7.41E-02
5435	488062.53, 3857846.13	0.98382	0.72935	1.17709	1.51E-02	5.31E-05	3.16E-02	0.04672	1.54E-02	5.23E-05	3.51E-02	5.06E-02	1.47E-02	6.63E-05	6.74E-02	8.22E-02
5436	488330.41, 3858091.34	0.86388	0.39649	1.02235	1.33E-02	2.89E-05	2.74E-02	0.040705	1.35E-02	2.84E-05	3.05E-02	4.41E-02	1.29E-02	3.61E-05	5.86E-02	7.15E-02
5437	488470.87, 3858174.45	0.78415	0.33133	0.89926	1.20E-02	2.41E-05	2.41E-02	0.036176	1.23E-02	2.37E-05	2.68E-02	3.91E-02	1.17E-02	3.01E-05	5.15E-02	6.32E-02
5438	488568.9, 3858262.31	0.71668	0.2803	0.78307	1.10E-02	2.04E-05	2.10E-02	0.03202	1.12E-02	2.01E-05	2.34E-02	3.46E-02	1.07E-02	2.55E-05	4.49E-02	5.56E-02
5439	488964.27, 3858025.71	0.54893	0.35594	0.61043	8.42E-03	2.59E-05	1.64E-02	0.024821	8.61E-03	2.55E-05	1.82E-02	2.68E-02	8.18E-03	3.24E-05	3.50E-02	4.32E-02
5440	489147.25, 3857956.64	0.49822	0.36335	0.55547	7.65E-03	2.64E-05	1.49E-02	0.02257	7.81E-03	2.60E-05	1.66E-02	2.44E-02	7.42E-03	3.31E-05	3.18E-02	3.93E-02
5441	489343.52, 3857932.45	0.45252	0.34625	0.5046	6.94E-03	2.52E-05	1.35E-02	0.020503	7.10E-03	2.48E-05	1.51E-02	2.22E-02	6.74E-03	3.15E-05	2.89E-02	3.57E-02
5442	489866.19, 3857923.19	0.36088	0.28681	0.39766	5.54E-03	2.09E-05	1.07E-02	0.016224	5.66E-03	2.06E-05	1.19E-02	1.75E-02	5.38E-03	2.61E-05	2.28E-02	2.82E-02
5443	489955.65, 3857902.27	0.34897	0.28065	0.38441	5.36E-03	2.04E-05	1.03E-02	0.015685	5.47E-03	2.01E-05	1.15E-02	1.70E-02	5.20E-03	2.55E-05	2.20E-02	2.72E-02
5444	490079.44, 3857847.9	0.3368	0.27538	0.36937	5.17E-03	2.00E-05	9.91E-03	0.015095	5.28E-03	1.97E-05	1.10E-02	1.63E-02	5.02E-03	2.50E-05	2.12E-02	2.62E-02
5445	490108.49, 3857934.13	0.32897	0.26144	0.35893	5.05E-03	1.90E-05	9.63E-03	0.014694	5.16E-03	1.87E-05	1.07E-02	1.59E-02	4.90E-03	2.38E-05	2.06E-02	2.55E-02
5446	489884.48, 3858014.17	0.3533	0.26945	0.38587	5.42E-03	1.96E-05	1.03E-02	0.01579	5.54E-03	1.93E-05	1.15E-02	1.71E-02	5.26E-03	2.45E-05	2.21E-02	2.74E-02
5447	489326.56, 3858025.86	0.45145	0.31904	0.50035	6.93E-03	2.32E-05	1.34E-02	0.02037	7.08E-03	2.29E-05	1.49E-02	2.20E-02	6.73E-03	2.90E-05	2.87E-02	3.54E-02
5448	489130.38, 3858056.71	0.49715	0.32746	0.55382	7.63E-03	2.38E-05	1.49E-02	0.022506	7.79E-03	2.35E-05	1.65E-02	2.43E-02	7.41E-03	2.98E-05	3.17E-02	3.92E-02
5449	488936.49, 3858143.93	0.55075	0.30749	0.60729	8.45E-03	2.24E-05	1.63E-02	0.024762	8.64E-03	2.20E-05	1.81E-02	2.68E-02	8.20E-03	2.80E-05	3.48E-02	4.30E-02
5450	488638.08, 3858327.45	0.65822	0.25298	0.6948	1.01E-02	1.84E-05	1.86E-02	0.028754	1.03E-02	1.81E-05	2.07E-02	3.11E-02	9.81E-03	2.30E-05	3.98E-02	4.96E-02
5451	488663.79, 3858349.57	0.63883	0.24489	0.66176	9.80E-03	1.78E-05	1.77E-02	0.02757	1.00E-02	1.75E-05	1.97E-02	2.98E-02	9.52E-03	2.23E-05	3.79E-02	4.74E-02
5452	488694.56, 3858349.5	0.62239	0.24447	0.64289	9.55E-03	1.78E-05	1.72E-02	0.026811	9.76E-03	1.75E-05	1.92E-02	2.90E-02	9.27E-03	2.22E-05	3.68E-02	4.61E-02
5453	488694.35, 3858336.75	0.62506	0.2488	0.65234	9.59E-03	1.81E-05	1.75E-02	0.027106	9.80E-03	1.78E-05	1.95E-02	2.93E-02	9.31E-03	2.26E-05	3.74E-02	4.67E-02
5454	488712.81, 3858336.38	0.61573	0.24855	0.64174	9.45E-03	1.81E-05	1.72E-02	0.026678	9.65E-03	1.78E-05	1.91E-02	2.88E-02	9.17E-03	2.26E-05	3.68E-02	4.60E-02
5455	488713.23, 3858367.46	0.60963	0.23816	0.61786	9.35E-03	1.73E-05	1.66E-02	0.025944	9.56E-03	1.71E-05	1.84E-02	2.80E-02	9.08E-03	2.17E-05	3.54E-02	4.45E-02
5456	488704.63, 3858384.05	0.61121	0.23274	0.60811	9.38E-03	1.69E-05	1.63E-02	0.025706	9.58E-03	1.67E-05	1.81E-02	2.77E-02	9.11E-03	2.12E-05	3.48E-02	4.40E-02
5457	488604.15, 3858488.29	0.66992	0.19843	0.54134	1.03E-02	1.44E-05	1.45E-02	0.024813	1.05E-02	1.42E-05	1.61E-02	2.67E-02	9.98E-03	1.80E-05	3.10E-02	4.10E-02
5458	488605.66, 3858550.47	0.70219	0.18059	0.45982	1.08E-02	1.31E-05	1.23E-02	0.023121	1.10E-02	1.29E-05	1.37E-02	2.47E-02	1.05E-02	1.64E-05	2.63E-02	3.68E-02
5459	488692.68, 3858548.71	0.63184	0.18288	0.4426	9.70E-03	1.33E-05	1.19E-02	0.02158	9.91E-03	1.31E-05	1.32E-02	2.31E-02	9.41E-03	1.66E-05	2.54E-02	3.48E-02
5460	488759.93, 3858461.81	0.57757	0.20879	0.51194	8.86E-03	1.52E-05	1.37E-02	0.022609	9.06E-03	1.50E-05	1.53E-02	2.43E-02	8.60E-03	1.90E-05	2.93E-02	3.79E-02
5461	488816.57, 3858541.79	0.55747	0.18723	0.4248	8.55E-03	1.36E-05	1.14E-02	0.019961	8.74E-03	1.34E-05	1.27E-02	2.14E-02	8.30E-03	1.70E-05	2.43E-02	3.27E-02
5462	488944.63, 3858656.77	0.52755	0.16236	0.32706	8.10E-03	1.18E-05	8.77E-03	0.016879	8.27E-03	1.16E-05	9.76E-03	1.80E-02	7.86E-03	1.48E-05	1.87E-02	2.66E-02
5463	489134.91, 3858830.7	0.44757	0.1337	0.23844	6.87E-03	9.73E-06	6.40E-03	0.013273	7.02E-03	9.58E-06	7.11E-03	1.41E-02	6.67E-03	1.22E-05	1.37E-02	2.03E-02
5464	489193.99, 3858886.05	0.37841	0.12627	0.21888	5.81E-03	9.19E-06	5.87E-03	0.011686	5.93E-03	9.05E-06	6.53E-03	1.25E-02	5.64E-03	1.15E-05	1.25E-02	1.82E-02
5465	489295.2, 3858954.34	0.29751	0.11833	0.19822	4.57E-03	8.61E-06	5.32E-03	0.00989	4.66E-03	8.48E-06	5.91E-03	1.06E-02	4.43E-03	1.08E-05	1.14E-02	1.58E-02
5466	489295.64, 3858992.74	0.27378	0.11354	0.18798	4.20E-03	8.26E-06	5.04E-03	0.009251	4.29E-03	8.14E-06	5.61E-03	9.91E-03	4.08E-03	1.03E-05	1.08E-02	1.49E-02
5467	489183.74, 3858911.72	0.36287	0.12255	0.21088	5.57E-03	8.92E-06	5.66E-03	0.011233	5.69E-03	8.78E-06	6.29E-03	1.20E-02	5.41E-03	1.11E-05	1.21E-02	1.75E-02
5468	488873.37, 3858625.59	0.55346	0.16794	0.35316	8.49E-03	1.22E-05	9.47E-03	0.017977	8.68E-03	1.20E-05	1.05E-02	1.92E-02	8.24E-03	1.53E-05	2.02E-02	2.85E-02

5469	488842.84, 3858658.69	0.59311	0.15985	0.33244	9.10E-03	1.16E-05	8.92E-03	0.018029	9.30E-03	1.15E-05	9.92E-03	1.92E-02	8.84E-03	1.45E-05	1.90E-02	2.79E-02
5470	488856.39, 3858670.93	0.59182	0.15767	0.32407	9.08E-03	1.15E-05	8.69E-03	0.017785	9.28E-03	1.13E-05	9.67E-03	1.90E-02	8.82E-03	1.43E-05	1.86E-02	2.74E-02
5471	488805.7, 3858724.5	0.71128	0.14623	0.29244	1.09E-02	1.06E-05	7.84E-03	0.018769	1.12E-02	1.05E-05	8.72E-03	1.99E-02	1.06E-02	1.33E-05	1.68E-02	2.74E-02
5472	488805.87, 3858804.16	0.97305	0.13338	0.24935	1.49E-02	9.71E-06	6.69E-03	0.021629	1.53E-02	9.56E-06	7.44E-03	2.27E-02	1.45E-02	1.21E-05	1.43E-02	2.88E-02
5473	488995.78, 3858936.96	0.43834	0.11748	0.20056	6.73E-03	8.55E-06	5.38E-03	0.012114	6.87E-03	8.42E-06	5.98E-03	1.29E-02	6.53E-03	1.07E-05	1.15E-02	1.80E-02
5474	489130.76, 3859017.38	0.27716	0.10957	0.17996	4.25E-03	7.98E-06	4.83E-03	0.009088	4.35E-03	7.85E-06	5.37E-03	9.72E-03	4.13E-03	9.97E-06	1.03E-02	1.44E-02
5475	489130.92, 3859052.24	0.24789	0.10631	0.17133	3.80E-03	7.74E-06	4.60E-03	0.008407	3.89E-03	7.62E-06	5.11E-03	9.01E-03	3.69E-03	9.67E-06	9.81E-03	1.35E-02
5476	489200.33, 3859090.6	0.22198	0.1029	0.16339	3.41E-03	7.49E-06	4.38E-03	0.007796	3.48E-03	7.37E-06	4.87E-03	8.36E-03	3.31E-03	9.36E-06	9.36E-03	1.27E-02
5477	489296.07, 3859143.7	0.19633	0.09847	0.15348	3.01E-03	7.17E-06	4.12E-03	0.007136	3.08E-03	7.06E-06	4.58E-03	7.66E-03	2.92E-03	8.96E-06	8.79E-03	1.17E-02
5478	489296.43, 3858954.74	0.297	0.1183	0.19811	4.56E-03	8.61E-06	5.31E-03	0.00988	4.66E-03	8.48E-06	5.91E-03	1.06E-02	4.42E-03	1.08E-05	1.13E-02	1.58E-02
5479	489410.33, 3859033.19	0.23955	0.11022	0.17869	3.68E-03	8.02E-06	4.79E-03	0.008477	3.76E-03	7.90E-06	5.33E-03	9.09E-03	3.57E-03	1.00E-05	1.02E-02	1.38E-02
5480	489371.37, 3859089.8	0.2175	0.10371	0.16567	3.34E-03	7.55E-06	4.44E-03	0.007788	3.41E-03	7.43E-06	4.94E-03	8.36E-03	3.24E-03	9.43E-06	9.49E-03	1.27E-02
5481	489390.52, 3859102.82	0.21136	0.10258	0.16309	3.24E-03	7.47E-06	4.37E-03	0.007625	3.31E-03	7.35E-06	4.87E-03	8.19E-03	3.15E-03	9.33E-06	9.34E-03	1.25E-02
5482	489382.3, 3859114.53	0.207	0.10142	0.1606	3.18E-03	7.38E-06	4.31E-03	0.007491	3.25E-03	7.27E-06	4.79E-03	8.04E-03	3.08E-03	9.23E-06	9.20E-03	1.23E-02
5483	489363.04, 3859102.45	0.21252	0.10244	0.16293	3.26E-03	7.46E-06	4.37E-03	0.007638	3.33E-03	7.34E-06	4.86E-03	8.20E-03	3.17E-03	9.32E-06	9.33E-03	1.25E-02
5484	489337.52, 3859140.71	0.1975	0.0988	0.15461	3.03E-03	7.19E-06	4.15E-03	0.007185	3.10E-03	7.08E-06	4.61E-03	7.72E-03	2.94E-03	8.99E-06	8.86E-03	1.18E-02
5485	489375.14, 3859164.55	0.18837	0.09694	0.15051	2.89E-03	7.06E-06	4.04E-03	0.006934	2.95E-03	6.95E-06	4.49E-03	7.45E-03	2.81E-03	8.82E-06	8.62E-03	1.14E-02
5486	489409.3, 3859114.5	0.20616	0.1016	0.16085	3.16E-03	7.40E-06	4.31E-03	0.007485	3.23E-03	7.28E-06	4.80E-03	8.04E-03	3.07E-03	9.24E-06	9.21E-03	1.23E-02
5487	489434.87, 3859131.81	0.19908	0.10019	0.1577	3.05E-03	7.29E-06	4.23E-03	0.007292	3.12E-03	7.18E-06	4.70E-03	7.83E-03	2.97E-03	9.11E-06	9.03E-03	1.20E-02
5488	489471.87, 3859075.75	0.21776	0.10625	0.16963	3.34E-03	7.73E-06	4.55E-03	0.007899	3.41E-03	7.61E-06	5.06E-03	8.48E-03	3.24E-03	9.66E-06	9.72E-03	1.30E-02
5489	489602.62, 3859164.69	0.18447	0.09866	0.15306	2.83E-03	7.18E-06	4.11E-03	0.006943	2.89E-03	7.07E-06	4.57E-03	7.47E-03	2.75E-03	8.97E-06	8.77E-03	1.15E-02
5490	489558.29, 3859232.45	0.16744	0.09237	0.1409	2.57E-03	6.72E-06	3.78E-03	0.006355	2.63E-03	6.62E-06	4.20E-03	6.84E-03	2.49E-03	8.40E-06	8.07E-03	1.06E-02
5491	489620.11, 3859273.56	0.15746	0.08947	0.13489	2.42E-03	6.51E-06	3.62E-03	0.006041	2.47E-03	6.41E-06	4.02E-03	6.50E-03	2.35E-03	8.14E-06	7.73E-03	1.01E-02
5492	489666.06, 3859206.42	0.17257	0.09539	0.14618	2.65E-03	6.94E-06	3.92E-03	0.006576	2.71E-03	6.83E-06	4.36E-03	7.07E-03	2.57E-03	8.68E-06	8.37E-03	1.10E-02
5493	489787.9, 3859285.65	0.15415	0.08974	0.13471	2.37E-03	6.53E-06	3.61E-03	0.005985	2.42E-03	6.43E-06	4.02E-03	6.44E-03	2.30E-03	8.16E-06	7.72E-03	1.00E-02
5494	489752.17, 3859343.13	0.14341	0.08513	0.12618	2.20E-03	6.20E-06	3.38E-03	0.005591	2.25E-03	6.10E-06	3.76E-03	6.02E-03	2.14E-03	7.74E-06	7.23E-03	9.37E-03
5495	489814.94, 3859385.33	0.13614	0.08259	0.12123	2.09E-03	6.01E-06	3.25E-03	0.005347	2.13E-03	5.92E-06	3.62E-03	5.76E-03	2.03E-03	7.51E-06	6.94E-03	8.98E-03
5496	489853.42, 3859330.74	0.14549	0.08674	0.12883	2.23E-03	6.31E-06	3.46E-03	0.005694	2.28E-03	6.22E-06	3.84E-03	6.13E-03	2.17E-03	7.89E-06	7.38E-03	9.56E-03
5497	489969.5, 3859401.91	0.13368	0.08244	0.12054	2.05E-03	6.00E-06	3.23E-03	0.00529	2.10E-03	5.91E-06	3.60E-03	5.70E-03	1.99E-03	7.50E-06	6.91E-03	8.90E-03
5498	490166.91, 3859486.96	0.12177	0.07801	0.11194	1.87E-03	5.68E-06	3.00E-03	0.004877	1.91E-03	5.59E-06	3.34E-03	5.25E-03	1.81E-03	7.10E-06	6.41E-03	8.23E-03
5499	490128.86, 3859571.46	0.11145	0.07265	0.10277	1.71E-03	5.29E-06	2.76E-03	0.004472	1.75E-03	5.21E-06	3.07E-03	4.82E-03	1.66E-03	6.61E-06	5.89E-03	7.55E-03
5500	490186.65, 3859593.65	0.10924	0.07173	0.10114	1.68E-03	5.22E-06	2.71E-03	0.004394	1.71E-03	5.14E-06	3.02E-03	4.74E-03	1.63E-03	6.52E-06	5.79E-03	7.43E-03
5501	490223.74, 3859517.48	0.11809	0.07649	0.10914	1.81E-03	5.57E-06	2.93E-03	0.004745	1.85E-03	5.48E-06	3.26E-03	5.11E-03	1.76E-03	6.96E-06	6.25E-03	8.02E-03
5502	490846.34, 3859817.22	0.09179	0.06482	0.08849	1.41E-03	4.72E-06	2.37E-03	0.003787	1.44E-03	4.64E-06	2.64E-03	4.08E-03	1.37E-03	5.90E-06	5.07E-03	6.44E-03
5503	490925.65, 3859844.59	0.08999	0.06407	0.08712	1.38E-03	4.66E-06	2.34E-03	0.003722	1.41E-03	4.59E-06	2.60E-03	4.01E-03	1.34E-03	5.83E-06	4.99E-03	6.34E-03
5504	491159.29, 3859896.28	0.08644	0.06274	0.0843	1.33E-03	4.57E-06	2.26E-03	0.003592	1.36E-03	4.50E-06	2.51E-03	3.87E-03	1.29E-03	5.71E-06	4.83E-03	6.12E-03
5505	491370.69, 3859960.89	0.08212	0.06052	0.08039	1.26E-03	4.41E-06	2.16E-03	0.003421	1.29E-03	4.34E-06	2.40E-03	3.69E-03	1.22E-03	5.51E-06	4.61E-03	5.83E-03
5506	491330.28, 3860063.17	0.07621	0.05599	0.07413	1.17E-03	4.08E-06	1.99E-03	0.003162	1.19E-03	4.01E-06	2.21E-03	3.41E-03	1.14E-03	5.09E-06	4.25E-03	5.39E-03
5507	491636.45, 3860180.75	0.07092	0.05325	0.06964	1.09E-03	3.88E-06	1.87E-03	0.00296	1.11E-03	3.82E-06	2.08E-03	3.19E-03	1.06E-03	4.84E-06	3.99E-03	5.05E-03
5508	491617.94, 3860203.93	0.06978	0.05234	0.06841	1.07E-03	3.81E-06	1.83E-03	0.002909	1.09E-03	3.75E-06	2.04E-03	3.14E-03	1.04E-03	4.76E-06	3.92E-03	4.96E-03
5509	491805.68, 3860271.59	0.06704	0.05088	0.06605	1.03E-03	3.70E-06	1.77E-03	0.002804	1.05E-03	3.65E-06	1.97E-03	3.03E-03	9.99E-04	4.63E-06	3.78E-03	4.79E-03
5510	491654.23, 3860414.02	0.06074	0.04613	0.05947	9.32E-04	3.36E-06	1.60E-03	0.00253	9.52E-04	3.31E-06	1.77E-03	2.73E-03	9.05E-04	4.20E-06	3.41E-03	4.32E-03
5511	491592.62, 3860510.76	0.05628	0.04325	0.05505	8.64E-04	3.15E-06	1.48E-03	0.002343	8.82E-04	3.10E-06	1.64E-03	2.53E-03	8.38E-04	3.93E-06	3.15E-03	4.00E-03
5512	491475.41, 3860368.93	0.0613	0.04631	0.05971	9.41E-04	3.37E-06	1.60E-03	0.002545	9.61E-04	3.32E-06	1.78E-03	2.75E-03	9.13E-04	4.21E-06	3.42E-03	4.34E-03
5513	491445.61, 3860337.28	0.06253	0.04706	0.06085	9.60E-04	3.43E-06	1.63E-03	0.002595	9.80E-04	3.37E-06	1.82E-03	2.80E-03	9.32E-04	4.28E-06	3.49E-03	4.42E-03
5514	491399.05, 3860300.37	0.06408	0.04801	0.06229	9.83E-04	3.49E-06	1.67E-03	0.002657	1.00E-03	3.44E-06	1.86E-03	2.87E-03	9.55E-04	4.37E-06	3.57E-03	4.53E-03
5515	491228.84, 3860235.98	0.06635	0.04932	0.06424	1.02E-03	3.59E-06	1.72E-03	0.002745	1.04E-03	3.53E-06	1.92E-03	2.96E-03	9.88E-04	4.49E-06	3.68E-03	4.67E-03
5516	491228.47, 3860174.57	0.06961	0.05132	0.06736	1.07E-03	3.74E-06	1.81E-03	0.002879	1.09E-03	3.68E-06	2.01E-03	3.10E-03	1.04E-03	4.67E-06	3.86E-03	4.90E-03
5517	491145.77, 3860112.55	0.07284	0.05326	0.07037	1.12E-03	3.88E-06	1.89E-03	0.003009	1.14E-03	3.82E-06	2.10E-03	3.25E-03	1.09E-03	4.84E-06	4.03E-03	5.12E-03
5518	490844.41, 3859966.22	0.08105	0.05798	0.0779	1.24E-03	4.22E-06	2.09E-03	0.003337	1.27E-03	4.15E-06	2.32E-03	3.60E-03	1.21E-03	5.27E-06	4.46E-03	5.68E-03
5519	490845.55, 3859928.15	0.08366	0.05956	0.08043	1.28E-03	4.34E-06	2.16E-03	0.003445	1.31E-03	4.27E-06	2.40E-03	3.72E-03	1.25E-03	5.42E-06	4.61E-03	5.86E-03
5520	490046.91, 3859625.6	0.10467	0.06972	0.09704	1.61E-03	5.08E-06	2.60E-03	0.004214	1.64E-03	5.00E-06	2.89E-03	4.54E-03	1.56E-03	6.34E-06	5.56E-03	7.12E-03
5521	489970.48, 3859589.4	0.10819	0.07141	0.0999	1.66E-03	5.20E-06	2.68E-03	0.004345	1.70E-03	5.12E-06	2.98E-03	4.68E-03	1.61E-03	6.50E-06	5.72E-03	7.34E-03
5522	489865.89, 3859529.06	0.11481	0.07439	0.10514	1.76E-03	5.41E-06	2.82E-03	0.004587	1.80E-03	5.33E-06	3.14E-03	4.94E-03	1.71E-03	6.77E-06	6.02E-03	7.74E-03
5523	489826.89, 3859531.74	0.11411	0.07429	0.10463	1.75E-03	5.41E-06	2.81E-03	0.004563	1.79E-03	5.32E-06	3.12E-03	4.92E-03	1.70E-03	6.76E-06	5.99E-03	7.70E-03
5524	489410.47, 3859303.06	0.14849	0.08727	0.12824	2.28E-03	6.35E-06	3.44E-03	0.005724	2.33E-03	6.25E-06	3.83E-03	6.16E-03	2.21E-03	7.94E-06	7.35E-03	9.57E-03
5525	489407.15, 3859286.09	0.15238	0.08829	0.1306	2.34E-03	6.43E-06	3.50E-03	0.005847	2.39E-03	6.33E-06	3.90E-03	6.29E-03	2.27E-03	8.03E-06	7.48E-03	9.76E-03

5526	488806.07, 3858963.62	0.36489	0.11555	0.18937	5.60E-03	8.41E-06	5.08E-03	0.010687	5.72E-03	8.28E-06	5.65E-03	1.14E-02	5.44E-03	1.05E-05	1.08E-02	1.63E-02
5527	488817.64, 3859546.3	0.11928	0.07863	0.10738	1.83E-03	5.72E-06	2.88E-03	0.004716	1.87E-03	5.63E-06	3.20E-03	5.08E-03	1.78E-03	7.15E-06	6.15E-03	7.94E-03
5528	489187.25, 3859549.52	0.11661	0.078	0.1061	1.79E-03	5.68E-06	2.85E-03	0.004641	1.83E-03	5.59E-06	3.17E-03	5.00E-03	1.74E-03	7.10E-06	6.08E-03	7.82E-03
5529	489187.66, 3859523.74	0.1192	0.07906	0.10802	1.83E-03	5.75E-06	2.90E-03	0.004732	1.87E-03	5.66E-06	3.22E-03	5.10E-03	1.78E-03	7.19E-06	6.19E-03	7.97E-03
5530	489232.59, 3859522.85	0.11879	0.07881	0.10776	1.82E-03	5.74E-06	2.89E-03	0.004719	1.86E-03	5.65E-06	3.21E-03	5.08E-03	1.77E-03	7.17E-06	6.17E-03	7.95E-03
5531	489224.98, 3859759.91	0.09878	0.06948	0.09196	1.52E-03	5.06E-06	2.47E-03	0.003987	1.55E-03	4.98E-06	2.74E-03	4.30E-03	1.47E-03	6.32E-06	5.27E-03	6.75E-03
5532	488401.39, 3859763.34	0.09702	0.06599	0.08667	1.49E-03	4.80E-06	2.32E-03	0.003818	1.52E-03	4.73E-06	2.59E-03	4.11E-03	1.45E-03	6.00E-06	4.96E-03	6.42E-03
5533	488405.51, 3859966.16	0.08338	0.05841	0.07542	1.28E-03	4.25E-06	2.02E-03	0.003307	1.31E-03	4.19E-06	2.25E-03	3.56E-03	1.24E-03	5.31E-06	4.32E-03	5.57E-03
5534	489202.85, 3859956.57	0.08627	0.06232	0.08114	1.32E-03	4.54E-06	2.18E-03	0.003505	1.35E-03	4.47E-06	2.42E-03	3.78E-03	1.29E-03	5.67E-06	4.65E-03	5.94E-03
5535	489191.9, 3860676.74	0.05577	0.0428	0.05263	8.56E-04	3.12E-06	1.41E-03	0.00227	8.74E-04	3.07E-06	1.57E-03	2.45E-03	8.31E-04	3.89E-06	3.01E-03	3.85E-03
5536	488392.82, 3860687.88	0.05482	0.04052	0.05049	8.41E-04	2.95E-06	1.35E-03	0.002198	8.60E-04	2.90E-06	1.51E-03	2.37E-03	8.17E-04	3.69E-06	2.89E-03	3.71E-03
5537	488392.82, 3860760.27	0.05315	0.03948	0.04905	8.16E-04	2.87E-06	1.32E-03	0.002134	8.33E-04	2.83E-06	1.46E-03	2.30E-03	7.92E-04	3.59E-06	2.81E-03	3.61E-03
5538	487549.05, 3860777.45	0.05152	0.03848	0.04642	7.91E-04	2.80E-06	1.25E-03	0.002038	8.08E-04	2.76E-06	1.38E-03	2.20E-03	7.67E-04	3.50E-06	2.66E-03	3.43E-03
5539	487554.62, 3859571.83	0.10688	0.07025	0.09419	1.64E-03	5.11E-06	2.53E-03	0.004171	1.68E-03	5.03E-06	2.81E-03	4.49E-03	1.59E-03	6.39E-06	5.40E-03	6.99E-03
5540	485949.46, 3859558.54	0.09235	0.0686	0.08393	1.42E-03	4.99E-06	2.25E-03	0.003673	1.45E-03	4.92E-06	2.50E-03	3.96E-03	1.38E-03	6.24E-06	4.81E-03	6.19E-03
5541	485947.55, 3857943.61	0.34288	0.26137	0.30628	5.26E-03	1.90E-05	8.21E-03	0.013495	5.38E-03	1.87E-05	9.14E-03	1.45E-02	5.11E-03	2.38E-05	1.75E-02	2.27E-02
5542	484738.38, 3857940.21	0.1873	0.12209	0.17075	2.87E-03	8.89E-06	4.58E-03	0.007463	2.94E-03	8.75E-06	5.09E-03	8.04E-03	2.79E-03	1.11E-05	9.78E-03	1.26E-02
5543	484737.06, 3857535.68	0.24298	0.13918	0.21919	3.73E-03	1.01E-05	5.88E-03	0.009617	3.81E-03	9.97E-06	6.54E-03	1.04E-02	3.62E-03	1.27E-05	1.26E-02	1.62E-02
5544	483730.2, 3857530.13	0.15932	0.10694	0.14761	2.44E-03	7.78E-06	3.96E-03	0.006412	2.50E-03	7.66E-06	4.40E-03	6.91E-03	2.37E-03	9.73E-06	8.46E-03	1.08E-02
5545	483727.27, 3857130.01	0.19374	0.13098	0.17908	2.97E-03	9.53E-06	4.80E-03	0.007786	3.04E-03	9.39E-06	5.34E-03	8.39E-03	2.89E-03	1.19E-05	1.03E-02	1.32E-02
5546	483124.42, 3857123.45	0.15086	0.12845	0.14204	2.31E-03	9.35E-06	3.81E-03	0.006134	2.37E-03	9.20E-06	4.24E-03	6.61E-03	2.25E-03	1.17E-05	8.14E-03	1.04E-02
5547	483111.13, 3855921.03	0.25493	0.33784	0.24365	3.91E-03	2.46E-05	6.53E-03	0.010471	4.00E-03	2.42E-05	7.27E-03	1.13E-02	3.80E-03	3.07E-05	1.40E-02	1.78E-02
5548	482701.73, 3855918.24	0.19634	0.27026	0.19269	3.01E-03	1.97E-05	5.17E-03	0.008201	3.08E-03	1.94E-05	5.75E-03	8.85E-03	2.92E-03	2.46E-05	1.10E-02	1.40E-02
5549	482668.02, 3853521.78	0.17625	0.12111	0.09981	2.70E-03	8.82E-06	2.68E-03	0.00539	2.76E-03	8.68E-06	2.98E-03	5.75E-03	2.63E-03	1.10E-05	5.72E-03	8.35E-03
5550	482579.91, 3853219.19	0.08129	0.08623	0.06684	1.25E-03	6.28E-06	1.79E-03	0.003046	1.27E-03	6.18E-06	1.99E-03	3.27E-03	1.21E-03	7.84E-06	3.83E-03	5.05E-03
5551	482434.06, 3852961.94	0.06144	0.06921	0.05375	9.43E-04	5.04E-06	1.44E-03	0.002389	9.63E-04	4.96E-06	1.60E-03	2.57E-03	9.15E-04	6.30E-06	3.08E-03	4.00E-03
5552	482332.11, 3852832.85	0.05553	0.06293	0.04927	8.52E-04	4.58E-06	1.32E-03	0.002178	8.71E-04	4.51E-06	1.47E-03	2.35E-03	8.27E-04	5.72E-06	2.82E-03	3.66E-03
5553	481334.99, 3851818.96	0.03238	0.03574	0.02987	4.97E-04	2.60E-06	8.01E-04	0.001301	5.08E-04	2.56E-06	8.91E-04	1.40E-03	4.82E-04	3.25E-06	1.71E-03	2.20E-03
5554	481127.62, 3851646.36	0.03025	0.03291	0.02801	4.64E-04	2.40E-06	7.51E-04	0.001218	4.74E-04	2.36E-06	8.36E-04	1.31E-03	4.51E-04	2.99E-06	1.60E-03	2.06E-03
5555	481025.04, 3851591.73	0.02969	0.03252	0.0276	4.56E-04	2.37E-06	7.40E-04	0.001198	4.66E-04	2.33E-06	8.23E-04	1.29E-03	4.42E-04	2.96E-06	1.58E-03	2.03E-03
5556	480513.6, 3851335.76	0.02692	0.0314	0.02587	4.13E-04	2.29E-06	6.94E-04	0.001109	4.22E-04	2.25E-06	7.72E-04	1.20E-03	4.01E-04	2.86E-06	1.48E-03	1.89E-03
5557	480523.56, 3851317.66	0.02677	0.03103	0.02567	4.11E-04	2.26E-06	6.88E-04	0.001102	4.20E-04	2.22E-06	7.66E-04	1.19E-03	3.99E-04	2.82E-06	1.47E-03	1.87E-03
5558	476921.56, 3849569.11	0.0096	0.01032	0.00897	1.47E-04	7.51E-07	2.41E-04	0.000389	1.51E-04	7.39E-07	2.68E-04	4.19E-04	1.43E-04	9.39E-07	5.14E-04	6.58E-04
5559	476521.19, 3849373.96	0.00904	0.00979	0.00854	1.39E-04	7.13E-07	2.29E-04	0.000368	1.42E-04	7.01E-07	2.55E-04	3.97E-04	1.35E-04	8.91E-07	4.89E-04	6.25E-04
5560	476391.45, 3849333.38	0.00901	0.00975	0.00852	1.38E-04	7.10E-07	2.29E-04	0.000367	1.41E-04	6.99E-07	2.54E-04	3.96E-04	1.34E-04	8.87E-07	4.88E-04	6.23E-04
5561	476219.41, 3849304.29	0.00905	0.00977	0.00856	1.39E-04	7.11E-07	2.30E-04	0.000369	1.42E-04	7.00E-07	2.55E-04	3.98E-04	1.35E-04	8.89E-07	4.90E-04	6.26E-04
5562	475679.11, 3849218.47	0.00879	0.00948	0.00842	1.35E-04	6.90E-07	2.26E-04	0.000361	1.38E-04	6.79E-07	2.51E-04	3.90E-04	1.31E-04	8.62E-07	4.82E-04	6.14E-04
5563	475677.71, 3849233.88	0.00886	0.00956	0.00848	1.36E-04	6.96E-07	2.27E-04	0.000364	1.39E-04	6.85E-07	2.53E-04	3.93E-04	1.32E-04	8.70E-07	4.86E-04	6.19E-04
5564	475492.74, 3849204.66	0.00773	0.00829	0.00752	1.19E-04	6.03E-07	2.02E-04	0.000321	1.21E-04	5.94E-07	2.24E-04	3.46E-04	1.15E-04	7.54E-07	4.31E-04	5.47E-04
5565	475497.64, 3849158.75	0.00804	0.00865	0.00778	1.23E-04	6.30E-07	2.09E-04	0.000333	1.26E-04	6.20E-07	2.32E-04	3.59E-04	1.20E-04	7.87E-07	4.46E-04	5.66E-04
5566	475391.35, 3849141.94	0.00837	0.00902	0.00808	1.28E-04	6.57E-07	2.17E-04	0.000346	1.31E-04	6.46E-07	2.41E-04	3.73E-04	1.25E-04	8.20E-07	4.63E-04	5.88E-04
5567	475277, 3849095.47	0.00839	0.00904	0.00808	1.29E-04	6.58E-07	2.17E-04	0.000346	1.32E-04	6.48E-07	2.41E-04	3.73E-04	1.25E-04	8.22E-07	4.63E-04	5.89E-04
5568	475183.93, 3849025.66	0.00822	0.00885	0.00793	1.26E-04	6.44E-07	2.13E-04	0.000339	1.29E-04	6.34E-07	2.37E-04	3.66E-04	1.22E-04	8.05E-07	4.54E-04	5.78E-04
5569	474453.23, 3848378.77	0.00712	0.00757	0.00684	1.09E-04	5.51E-07	1.83E-04	0.000293	1.12E-04	5.42E-07	2.04E-04	3.16E-04	1.06E-04	6.89E-07	3.92E-04	4.99E-04
5570	474569.63, 3848399.34	0.00702	0.00746	0.00676	1.08E-04	5.43E-07	1.81E-04	0.00029	1.10E-04	5.35E-07	2.02E-04	3.12E-04	1.05E-04	6.79E-07	3.87E-04	4.93E-04
5571	474644.33, 3848464.52	0.00715	0.00761	0.00688	1.10E-04	5.54E-07	1.85E-04	0.000295	1.12E-04	5.45E-07	2.05E-04	3.18E-04	1.07E-04	6.92E-07	3.94E-04	5.01E-04
5572	474719.04, 3848529.7	0.00726	0.00774	0.00699	1.11E-04	5.63E-07	1.87E-04	0.000299	1.14E-04	5.55E-07	2.09E-04	3.23E-04	1.08E-04	7.04E-07	4.00E-04	5.09E-04
5573	474793.74, 3848594.88	0.0073	0.00779	0.00704	1.12E-04	5.67E-07	1.89E-04	0.000301	1.14E-04	5.58E-07	2.10E-04	3.25E-04	1.09E-04	7.09E-07	4.03E-04	5.13E-04
5574	474868.45, 3848660.07	0.0073	0.00779	0.00704	1.12E-04	5.67E-07	1.89E-04	0.000301	1.14E-04	5.58E-07	2.10E-04	3.25E-04	1.09E-04	7.09E-07	4.03E-04	5.13E-04
5575	474943.15, 3848725.25	0.00735	0.00785	0.0071	1.13E-04	5.71E-07	1.90E-04	0.000304	1.15E-04	5.62E-07	2.12E-04	3.28E-04	1.09E-04	7.14E-07	4.07E-04	5.17E-04
5576	475017.86, 3848790.43	0.0075	0.00803	0.00725	1.15E-04	5.85E-07	1.94E-04	0.00031	1.18E-04	5.75E-07	2.16E-04	3.34E-04	1.12E-04	7.30E-07	4.15E-04	5.28E-04
5577	475092.56, 3848855.61	0.0077	0.00825	0.00743	1.18E-04	6.01E-07	1.99E-04	0.000318	1.21E-04	5.91E-07	2.22E-04	3.43E-04	1.15E-04	7.50E-07	4.26E-04	5.41E-04
5578	475232.58, 3848959.38	0.00796	0.00855	0.00767	1.22E-04	6.22E-07	2.06E-04	0.000328	1.25E-04	6.13E-07	2.29E-04	3.54E-04	1.19E-04	7.78E-07	4.39E-04	5.59E-04
5579	475368.47, 3849029.98	0.00802	0.00862	0.00774	1.23E-04	6.27E-07	2.08E-04	0.000331	1.26E-04	6.18E-07	2.31E-04	3.57E-04	1.19E-04	7.84E-07	4.43E-04	5.64E-04
5580	475609.57, 3849096.09	0.00799	0.0086	0.00771	1.23E-04	6.26E-07	2.07E-04	0.00033	1.25E-04	6.16E-07	2.30E-04	3.56E-04	1.19E-04	7.82E-07	4.42E-04	5.61E-04
5581	475680.68, 3849116.62	0.00821	0.00884	0.0079	1.26E-04	6.43E-07	2.12E-04	0.000339	1.29E-04	6.33E-07	2.36E-04	3.65E-04	1.22E-04	8.04E-07	4.53E-04	5.76E-04
5582	475843.76, 3849151.52	0.00841	0.00907	0.00805	1.29E-04	6.60E-07	2.16E-04	0.000346	1.32E-04	6.50E-07	2.40E-04	3.73E-04	1.25E-04	8.25E-07	4.61E-04	5.87E-04

5583	475935.73, 3849165.89	0.00861	0.00928	0.00821	1.32E-04	6.76E-07	2.20E-04	0.000353	1.35E-04	6.65E-07	2.45E-04	3.81E-04	1.28E-04	8.44E-07	4.70E-04	5.99E-04
5584	476027.71, 3849180.27	0.00874	0.00941	0.00829	1.34E-04	6.85E-07	2.22E-04	0.000357	1.37E-04	6.74E-07	2.47E-04	3.85E-04	1.30E-04	8.56E-07	4.75E-04	6.06E-04
5585	476119.68, 3849194.64	0.00855	0.00925	0.00815	1.31E-04	6.73E-07	2.19E-04	0.00035	1.34E-04	6.63E-07	2.43E-04	3.78E-04	1.27E-04	8.41E-07	4.67E-04	5.95E-04
5586	476211.65, 3849209.01	0.0085	0.00921	0.0081	1.30E-04	6.70E-07	2.17E-04	0.000348	1.33E-04	6.60E-07	2.42E-04	3.76E-04	1.27E-04	8.38E-07	4.64E-04	5.91E-04
5587	476497.81, 3849283.9	0.00856	0.00926	0.00812	1.31E-04	6.74E-07	2.18E-04	0.00035	1.34E-04	6.64E-07	2.42E-04	3.77E-04	1.28E-04	8.42E-07	4.65E-04	5.94E-04
5588	476603.73, 3849323.77	0.00868	0.00937	0.00821	1.33E-04	6.82E-07	2.20E-04	0.000354	1.36E-04	6.71E-07	2.45E-04	3.82E-04	1.29E-04	8.52E-07	4.70E-04	6.00E-04
5589	476728.99, 3849382.76	0.00883	0.0095	0.00833	1.35E-04	6.92E-07	2.23E-04	0.00036	1.38E-04	6.81E-07	2.49E-04	3.88E-04	1.32E-04	8.64E-07	4.77E-04	6.10E-04
5590	476801.27, 3849418.65	0.00894	0.0096	0.00842	1.37E-04	6.99E-07	2.26E-04	0.000364	1.40E-04	6.88E-07	2.51E-04	3.92E-04	1.33E-04	8.73E-07	4.82E-04	6.16E-04
5591	476956.2, 3849495.05	0.00918	0.00982	0.00861	1.41E-04	7.15E-07	2.31E-04	0.000373	1.44E-04	7.04E-07	2.57E-04	4.01E-04	1.37E-04	8.93E-07	4.93E-04	6.31E-04
5592	477038.84, 3849535.56	0.00925	0.00987	0.00867	1.42E-04	7.18E-07	2.33E-04	0.000375	1.45E-04	7.07E-07	2.59E-04	4.04E-04	1.38E-04	8.98E-07	4.97E-04	6.35E-04
5593	477121.49, 3849576.08	0.00938	0.00998	0.00878	1.44E-04	7.26E-07	2.35E-04	0.00038	1.47E-04	7.15E-07	2.62E-04	4.10E-04	1.40E-04	9.08E-07	5.03E-04	6.44E-04
5594	477204.13, 3849616.6	0.00946	0.01005	0.00886	1.45E-04	7.32E-07	2.38E-04	0.000384	1.48E-04	7.20E-07	2.64E-04	4.13E-04	1.41E-04	9.14E-07	5.08E-04	6.49E-04
5595	477286.78, 3849657.12	0.00937	0.00995	0.00881	1.44E-04	7.24E-07	2.36E-04	0.000381	1.47E-04	7.13E-07	2.63E-04	4.10E-04	1.40E-04	9.05E-07	5.05E-04	6.45E-04
5596	477369.42, 3849697.63	0.00975	0.01028	0.0091	1.50E-04	7.48E-07	2.44E-04	0.000394	1.53E-04	7.37E-07	2.71E-04	4.25E-04	1.45E-04	9.35E-07	5.21E-04	6.67E-04
5597	477452.07, 3849738.15	0.00986	0.01038	0.0092	1.51E-04	7.56E-07	2.47E-04	0.000399	1.55E-04	7.44E-07	2.74E-04	4.30E-04	1.47E-04	9.44E-07	5.27E-04	6.75E-04
5598	477534.71, 3849778.67	0.0102	0.01066	0.00946	1.57E-04	7.76E-07	2.54E-04	0.000411	1.60E-04	7.64E-07	2.82E-04	4.43E-04	1.52E-04	9.70E-07	5.42E-04	6.95E-04
5599	477617.36, 3849819.18	0.01035	0.01079	0.0096	1.59E-04	7.85E-07	2.57E-04	0.000417	1.62E-04	7.73E-07	2.86E-04	4.49E-04	1.54E-04	9.81E-07	5.50E-04	7.05E-04
5600	477824.74, 3849896.37	0.01097	0.01132	0.01013	1.68E-04	8.24E-07	2.72E-04	0.000441	1.72E-04	8.11E-07	3.02E-04	4.75E-04	1.63E-04	1.03E-06	5.80E-04	7.45E-04
5601	477906.31, 3849936.37	0.01089	0.01131	0.01016	1.67E-04	8.23E-07	2.72E-04	0.00044	1.71E-04	8.10E-07	3.03E-04	4.75E-04	1.62E-04	1.03E-06	5.82E-04	7.45E-04
5602	477987.89, 3849976.36	0.01126	0.01168	0.01049	1.73E-04	8.50E-07	2.81E-04	0.000455	1.77E-04	8.37E-07	3.13E-04	4.90E-04	1.68E-04	1.06E-06	6.01E-04	7.70E-04
5603	478069.47, 3850016.36	0.01134	0.01179	0.01062	1.74E-04	8.58E-07	2.85E-04	0.00046	1.78E-04	8.45E-07	3.17E-04	4.95E-04	1.69E-04	1.07E-06	6.08E-04	7.78E-04
5604	478151.04, 3850056.35	0.01145	0.01194	0.01078	1.76E-04	8.69E-07	2.89E-04	0.000466	1.80E-04	8.56E-07	3.22E-04	5.02E-04	1.71E-04	1.09E-06	6.18E-04	7.89E-04
5605	478232.62, 3850096.35	0.0118	0.01232	0.01112	1.81E-04	8.97E-07	2.98E-04	0.00048	1.85E-04	8.83E-07	3.32E-04	5.18E-04	1.76E-04	1.12E-06	6.37E-04	8.14E-04
5606	478314.2, 3850136.34	0.0122	0.01278	0.01151	1.87E-04	9.30E-07	3.09E-04	0.000497	1.91E-04	9.16E-07	3.43E-04	5.36E-04	1.82E-04	1.16E-06	6.59E-04	8.42E-04
5607	478395.77, 3850176.34	0.01264	0.01328	0.01193	1.94E-04	9.67E-07	3.20E-04	0.000515	1.98E-04	9.52E-07	3.56E-04	5.55E-04	1.88E-04	1.21E-06	6.83E-04	8.73E-04
5608	478575.43, 3850244.45	0.01377	0.0147	0.01308	2.11E-04	1.07E-06	3.51E-04	0.000563	2.16E-04	1.05E-06	3.90E-04	6.07E-04	2.05E-04	1.34E-06	7.49E-04	9.56E-04
5609	478665.06, 3850287.29	0.01436	0.01545	0.01367	2.20E-04	1.12E-06	3.67E-04	0.000588	2.25E-04	1.11E-06	4.08E-04	6.34E-04	2.14E-04	1.41E-06	7.83E-04	9.98E-04
5610	478754.69, 3850330.14	0.015	0.01628	0.01431	2.30E-04	1.19E-06	3.84E-04	0.000615	2.35E-04	1.17E-06	4.27E-04	6.63E-04	2.23E-04	1.48E-06	8.20E-04	1.04E-03
5611	478844.32, 3850372.99	0.0157	0.0172	0.015	2.41E-04	1.25E-06	4.02E-04	0.000644	2.46E-04	1.23E-06	4.47E-04	6.95E-04	2.34E-04	1.56E-06	8.59E-04	1.09E-03
5612	478933.95, 3850415.84	0.01643	0.01817	0.01572	2.52E-04	1.32E-06	4.22E-04	0.000675	2.58E-04	1.30E-06	4.69E-04	7.28E-04	2.45E-04	1.65E-06	9.01E-04	1.15E-03
5613	479023.58, 3850458.68	0.01696	0.01897	0.01632	2.60E-04	1.38E-06	4.38E-04	0.000699	2.66E-04	1.36E-06	4.87E-04	7.54E-04	2.53E-04	1.73E-06	9.35E-04	1.19E-03
5614	479110.66, 3850441.91	0.01777	0.02024	0.01724	2.73E-04	1.47E-06	4.62E-04	0.000737	2.79E-04	1.45E-06	5.14E-04	7.94E-04	2.65E-04	1.84E-06	9.88E-04	1.25E-03
5615	479191.22, 3850423.99	0.01833	0.02116	0.01794	2.81E-04	1.54E-06	4.81E-04	0.000764	2.87E-04	1.52E-06	5.35E-04	8.24E-04	2.73E-04	1.92E-06	1.03E-03	1.30E-03
5616	479274.32, 3850465.71	0.01879	0.02181	0.01844	2.88E-04	1.59E-06	4.95E-04	0.000784	2.95E-04	1.56E-06	5.50E-04	8.46E-04	2.80E-04	1.98E-06	1.06E-03	1.34E-03
5617	479357.43, 3850507.42	0.01914	0.02233	0.01887	2.94E-04	1.63E-06	5.06E-04	0.000801	3.00E-04	1.60E-06	5.63E-04	8.65E-04	2.85E-04	2.03E-06	1.08E-03	1.37E-03
5618	479440.53, 3850549.14	0.01944	0.02275	0.01924	2.98E-04	1.66E-06	5.16E-04	0.000816	3.05E-04	1.63E-06	5.74E-04	8.80E-04	2.90E-04	2.07E-06	1.10E-03	1.39E-03
5619	479523.64, 3850590.85	0.01978	0.0232	0.01961	3.04E-04	1.69E-06	5.26E-04	0.000831	3.10E-04	1.66E-06	5.85E-04	8.97E-04	2.95E-04	2.11E-06	1.12E-03	1.42E-03
5620	479606.74, 3850632.57	0.02017	0.02369	0.02001	3.10E-04	1.72E-06	5.37E-04	0.000848	3.16E-04	1.70E-06	5.97E-04	9.15E-04	3.00E-04	2.15E-06	1.15E-03	1.45E-03
5621	479777.37, 3850707.61	0.0208	0.02442	0.02065	3.19E-04	1.78E-06	5.54E-04	0.000875	3.26E-04	1.75E-06	6.16E-04	9.44E-04	3.10E-04	2.22E-06	1.18E-03	1.50E-03
5622	479864.9, 3850740.95	0.02113	0.02476	0.02094	3.24E-04	1.80E-06	5.62E-04	0.000888	3.31E-04	1.77E-06	6.25E-04	9.58E-04	3.15E-04	2.25E-06	1.20E-03	1.52E-03
5623	479931.87, 3850829.57	0.02182	0.02571	0.02161	3.35E-04	1.87E-06	5.80E-04	0.000916	3.42E-04	1.84E-06	6.45E-04	9.89E-04	3.25E-04	2.34E-06	1.24E-03	1.57E-03
5624	479995.55, 3850926.75	0.02272	0.02694	0.02244	3.49E-04	1.96E-06	6.02E-04	0.000952	3.56E-04	1.93E-06	6.69E-04	1.03E-03	3.38E-04	2.45E-06	1.29E-03	1.63E-03
5625	480079.78, 3850968.64	0.02323	0.02745	0.02285	3.56E-04	2.00E-06	6.13E-04	0.000971	3.64E-04	1.97E-06	6.82E-04	1.05E-03	3.46E-04	2.50E-06	1.31E-03	1.66E-03
5626	480164.01, 3851010.54	0.02371	0.02786	0.0232	3.64E-04	2.03E-06	6.22E-04	0.000988	3.72E-04	2.00E-06	6.92E-04	1.07E-03	3.53E-04	2.53E-06	1.33E-03	1.68E-03
5627	480248.23, 3851052.43	0.02417	0.02817	0.0235	3.71E-04	2.05E-06	6.30E-04	0.001003	3.79E-04	2.02E-06	7.01E-04	1.08E-03	3.60E-04	2.56E-06	1.35E-03	1.71E-03
5628	480332.46, 3851094.33	0.02456	0.02837	0.02376	3.77E-04	2.07E-06	6.37E-04	0.001016	3.85E-04	2.03E-06	7.09E-04	1.10E-03	3.66E-04	2.58E-06	1.36E-03	1.73E-03
5629	480416.69, 3851136.22	0.02485	0.02844	0.02396	3.81E-04	2.07E-06	6.43E-04	0.001026	3.90E-04	2.04E-06	7.15E-04	1.11E-03	3.70E-04	2.59E-06	1.37E-03	1.75E-03
5630	480579.95, 3851215.17	0.02544	0.0285	0.02431	3.90E-04	2.07E-06	6.52E-04	0.001044	3.99E-04	2.04E-06	7.25E-04	1.13E-03	3.79E-04	2.59E-06	1.39E-03	1.77E-03
5631	480658.98, 3851252.22	0.02575	0.02852	0.02447	3.95E-04	2.08E-06	6.56E-04	0.001054	4.04E-04	2.04E-06	7.30E-04	1.14E-03	3.84E-04	2.59E-06	1.40E-03	1.79E-03
5632	480817.36, 3851327.85	0.02635	0.02868	0.02478	4.04E-04	2.09E-06	6.65E-04	0.001071	4.13E-04	2.05E-06	7.39E-04	1.15E-03	3.93E-04	2.61E-06	1.42E-03	1.81E-03
5633	480896.72, 3851366.43	0.02662	0.0288	0.02494	4.08E-04	2.10E-06	6.69E-04	0.001079	4.17E-04	2.06E-06	7.44E-04	1.16E-03	3.97E-04	2.62E-06	1.43E-03	1.83E-03
5634	480976.07, 3851405	0.02691	0.029	0.02511	4.13E-04	2.11E-06	6.73E-04	0.001089	4.22E-04	2.08E-06	7.49E-04	1.17E-03	4.01E-04	2.64E-06	1.44E-03	1.84E-03
5635	481178, 3851487.31	0.02747	0.0294	0.02536	4.22E-04	2.14E-06	6.80E-04	0.001104	4.31E-04	2.11E-06	7.57E-04	1.19E-03	4.09E-04	2.67E-06	1.45E-03	1.86E-03
5636	481244.9, 3851557.17	0.02834	0.03034	0.02608	4.35E-04	2.21E-06	6.99E-04	0.001137	4.44E-04	2.17E-06	7.78E-04	1.22E-03	4.22E-04	2.76E-06	1.49E-03	1.92E-03
5637	481311.81, 3851627.03	0.02915	0.03116	0.02681	4.47E-04	2.27E-06	7.19E-04	0.001169	4.57E-04	2.23E-06	8.00E-04	1.26E-03	4.34E-04	2.83E-06	1.54E-03	1.97E-03
5638	481378.71, 3851696.89	0.03	0.03213	0.02757	4.60E-04	2.34E-06	7.39E-04	0.001202	4.70E-04	2.30E-06	8.22E-04	1.30E-03	4.47E-04	2.92E-06	1.58E-03	2.03E-03
5639	481445.61, 3851766.76	0.03091	0.03318	0.02837	4.74E-04	2.42E-06	7.61E-04	0.001238	4.85E-04	2.38E-06	8.46E-04	1.33E-03	4.60E-04	3.02E-06	1.63E-03	2.09E-03

5640	481512.51, 3851836.62	0.0318	0.03424	0.0292	4.88E-04	2.49E-06	7.83E-04	0.001274	4.99E-04	2.45E-06	8.71E-04	1.37E-03	4.74E-04	3.11E-06	1.67E-03	2.15E-03
5641	481579.42, 3851906.48	0.03274	0.03535	0.03006	5.02E-04	2.57E-06	8.06E-04	0.001311	5.13E-04	2.53E-06	8.97E-04	1.41E-03	4.88E-04	3.22E-06	1.72E-03	2.21E-03
5642	481646.32, 3851976.34	0.03375	0.03656	0.03098	5.18E-04	2.66E-06	8.31E-04	0.001351	5.29E-04	2.62E-06	9.24E-04	1.46E-03	5.03E-04	3.33E-06	1.77E-03	2.28E-03
5643	481713.22, 3852046.2	0.03457	0.03781	0.03187	5.30E-04	2.75E-06	8.55E-04	0.001388	5.42E-04	2.71E-06	9.51E-04	1.50E-03	5.15E-04	3.44E-06	1.83E-03	2.34E-03
5644	481780.12, 3852116.06	0.03582	0.03928	0.03293	5.50E-04	2.86E-06	8.83E-04	0.001436	5.62E-04	2.81E-06	9.82E-04	1.55E-03	5.34E-04	3.57E-06	1.89E-03	2.42E-03
5645	481847.03, 3852185.92	0.03729	0.04084	0.03423	5.72E-04	2.97E-06	9.18E-04	0.001493	5.85E-04	2.93E-06	1.02E-03	1.61E-03	5.56E-04	3.71E-06	1.96E-03	2.52E-03
5646	481913.93, 3852255.78	0.03883	0.04268	0.03538	5.96E-04	3.11E-06	9.49E-04	0.001548	6.09E-04	3.06E-06	1.06E-03	1.67E-03	5.78E-04	3.88E-06	2.03E-03	2.61E-03
5647	481980.83, 3852325.65	0.04046	0.04515	0.03659	6.21E-04	3.29E-06	9.81E-04	0.001606	6.34E-04	3.24E-06	1.09E-03	1.73E-03	6.03E-04	4.11E-06	2.10E-03	2.70E-03
5648	482047.73, 3852395.51	0.04199	0.04699	0.03783	6.44E-04	3.42E-06	1.01E-03	0.001662	6.58E-04	3.37E-06	1.13E-03	1.79E-03	6.26E-04	4.27E-06	2.17E-03	2.80E-03
5649	482114.64, 3852465.37	0.04366	0.04897	0.0391	6.70E-04	3.56E-06	1.05E-03	0.001722	6.85E-04	3.51E-06	1.17E-03	1.85E-03	6.50E-04	4.45E-06	2.24E-03	2.89E-03
5650	482181.54, 3852535.23	0.04535	0.05103	0.04047	6.96E-04	3.71E-06	1.09E-03	0.001785	7.11E-04	3.66E-06	1.21E-03	1.92E-03	6.76E-04	4.64E-06	2.32E-03	3.00E-03
5651	482338.69, 3852700.05	0.05001	0.05646	0.04405	7.67E-04	4.11E-06	1.18E-03	0.001953	7.84E-04	4.05E-06	1.31E-03	2.10E-03	7.45E-04	5.14E-06	2.52E-03	3.27E-03
5652	482404.05, 3852767.78	0.05226	0.0589	0.04578	8.02E-04	4.29E-06	1.23E-03	0.002034	8.19E-04	4.22E-06	1.37E-03	2.19E-03	7.79E-04	5.36E-06	2.62E-03	3.41E-03
5653	482469.4, 3852835.52	0.0548	0.06149	0.04774	8.41E-04	4.48E-06	1.28E-03	0.002126	8.59E-04	4.41E-06	1.42E-03	2.29E-03	8.16E-04	5.59E-06	2.73E-03	3.56E-03
5654	482534.75, 3852903.25	0.05773	0.06423	0.05005	8.86E-04	4.68E-06	1.34E-03	0.002233	9.05E-04	4.60E-06	1.49E-03	2.40E-03	8.60E-04	5.84E-06	2.87E-03	3.73E-03
5655	482600.11, 3852970.99	0.06119	0.06714	0.05272	9.39E-04	4.89E-06	1.41E-03	0.002358	9.59E-04	4.81E-06	1.57E-03	2.54E-03	9.12E-04	6.11E-06	3.02E-03	3.94E-03
5656	482706.71, 3853119.28	0.07154	0.07517	0.06021	1.10E-03	5.47E-06	1.61E-03	0.002718	1.12E-03	5.39E-06	1.80E-03	2.92E-03	1.07E-03	6.84E-06	3.45E-03	4.52E-03
5657	482747.96, 3853199.84	0.07953	0.08074	0.06511	1.22E-03	5.88E-06	1.75E-03	0.002973	1.25E-03	5.79E-06	1.94E-03	3.20E-03	1.18E-03	7.34E-06	3.73E-03	4.92E-03
5658	482789.21, 3853280.4	0.09074	0.08702	0.0707	1.39E-03	6.33E-06	1.90E-03	0.003295	1.42E-03	6.24E-06	2.11E-03	3.54E-03	1.35E-03	7.92E-06	4.05E-03	5.41E-03
5659	482830.46, 3853360.96	0.11001	0.09418	0.07728	1.69E-03	6.86E-06	2.07E-03	0.003768	1.72E-03	6.75E-06	2.31E-03	4.04E-03	1.64E-03	8.57E-06	4.43E-03	6.07E-03
5660	482871.71, 3853441.52	0.23237	0.10244	0.08513	3.57E-03	7.46E-06	2.28E-03	0.005856	3.64E-03	7.34E-06	2.54E-03	6.19E-03	3.46E-03	9.32E-06	4.88E-03	8.35E-03
5661	482912.95, 3853522.07	0.55868	0.11213	0.09592	8.57E-03	8.16E-06	2.57E-03	0.011154	8.76E-03	8.03E-06	2.86E-03	1.16E-02	8.32E-03	1.02E-05	5.49E-03	1.38E-02
5662	482954.2, 3853602.63	0.52638	0.12334	0.11445	8.08E-03	8.98E-06	3.07E-03	0.011156	8.25E-03	8.84E-06	3.41E-03	1.17E-02	7.84E-03	1.12E-05	6.56E-03	1.44E-02
5663	482995.45, 3853683.19	0.48367	0.13648	0.15953	7.42E-03	9.93E-06	4.28E-03	0.011711	7.58E-03	9.78E-06	4.76E-03	1.24E-02	7.21E-03	1.24E-05	9.14E-03	1.64E-02
5664	483036.7, 3853763.75	0.44767	0.15214	0.2526	6.87E-03	1.11E-05	6.77E-03	0.013656	7.02E-03	1.09E-05	7.54E-03	1.46E-02	6.67E-03	1.38E-05	1.45E-02	2.12E-02
5665	483214.2, 3853909.91	0.31049	0.16651	0.36994	4.76E-03	1.21E-05	9.92E-03	0.014699	4.87E-03	1.19E-05	1.10E-02	1.59E-02	4.63E-03	1.51E-05	2.12E-02	2.58E-02
5666	483307.01, 3853910.44	0.27911	0.16378	0.33452	4.28E-03	1.19E-05	8.97E-03	0.013267	4.38E-03	1.17E-05	9.98E-03	1.44E-02	4.16E-03	1.49E-05	1.92E-02	2.33E-02
5667	483399.83, 3853910.96	0.25154	0.15724	0.30225	3.86E-03	1.14E-05	8.11E-03	0.011978	3.94E-03	1.13E-05	9.02E-03	1.30E-02	3.75E-03	1.43E-05	1.73E-02	2.11E-02
5668	483494.52, 3854009.24	0.25473	0.17925	0.36815	3.91E-03	1.30E-05	9.87E-03	0.013796	3.99E-03	1.28E-05	1.10E-02	1.50E-02	3.79E-03	1.63E-05	2.11E-02	2.49E-02
5669	483496.41, 3854106.98	0.28586	0.2166	0.47304	4.39E-03	1.58E-05	1.27E-02	0.01709	4.48E-03	1.55E-05	1.41E-02	1.86E-02	4.26E-03	1.97E-05	2.71E-02	3.14E-02
5670	483577.56, 3854261.96	0.33312	0.25977	0.55353	5.11E-03	1.89E-05	1.48E-02	0.019977	5.22E-03	1.86E-05	1.65E-02	2.18E-02	4.96E-03	2.36E-05	3.17E-02	3.67E-02
5671	483656.83, 3854319.19	0.34226	0.26939	0.52899	5.25E-03	1.96E-05	1.42E-02	0.019459	5.37E-03	1.93E-05	1.58E-02	2.12E-02	5.10E-03	2.45E-05	3.03E-02	3.54E-02
5672	483736.1, 3854376.41	0.34933	0.29662	0.50206	5.36E-03	2.16E-05	1.35E-02	0.018848	5.48E-03	2.13E-05	1.50E-02	2.05E-02	5.20E-03	2.70E-05	2.88E-02	3.40E-02
5673	483815.37, 3854433.64	0.35865	0.37397	0.47906	5.50E-03	2.72E-05	1.28E-02	0.018379	5.62E-03	2.68E-05	1.43E-02	1.99E-02	5.34E-03	3.40E-05	2.74E-02	3.28E-02
5674	483894.63, 3854490.87	0.36937	0.52117	0.46011	5.67E-03	3.79E-05	1.23E-02	0.018046	5.79E-03	3.73E-05	1.37E-02	1.96E-02	5.50E-03	4.74E-05	2.64E-02	3.19E-02
5675	483973.9, 3854548.1	0.38727	0.74257	0.45129	5.94E-03	5.41E-05	1.21E-02	0.018101	6.07E-03	5.32E-05	1.35E-02	1.96E-02	5.77E-03	6.75E-05	2.59E-02	3.17E-02
5676	484053.17, 3854605.32	0.42383	1.03353	0.46079	6.50E-03	7.52E-05	1.24E-02	0.018938	6.65E-03	7.41E-05	1.37E-02	2.05E-02	6.31E-03	9.40E-05	2.64E-02	3.28E-02
5677	484214.97, 3854698.15	0.49255	1.50158	0.47619	7.56E-03	1.09E-04	1.28E-02	0.020439	7.72E-03	1.08E-04	1.42E-02	2.20E-02	7.34E-03	1.37E-04	2.73E-02	3.48E-02
5678	484297.5, 3854733.74	0.53356	1.67568	0.49483	8.19E-03	1.22E-04	1.33E-02	0.021581	8.37E-03	1.20E-04	1.48E-02	2.32E-02	7.95E-03	1.52E-04	2.83E-02	3.64E-02
5679	484380.03, 3854769.34	0.54449	1.76505	0.49481	8.36E-03	1.28E-04	1.33E-02	0.021755	8.54E-03	1.26E-04	1.48E-02	2.34E-02	8.11E-03	1.61E-04	2.83E-02	3.66E-02
5680	484462.56, 3854804.94	0.56963	1.88136	0.5122	8.74E-03	1.37E-04	1.37E-02	0.022615	8.93E-03	1.35E-04	1.53E-02	2.43E-02	8.49E-03	1.71E-04	2.93E-02	3.80E-02
5681	484545.09, 3854840.53	0.5645	1.8866	0.50566	8.66E-03	1.37E-04	1.36E-02	0.022362	8.85E-03	1.35E-04	1.51E-02	2.41E-02	8.41E-03	1.72E-04	2.90E-02	3.75E-02
5682	484691.88, 3854912.59	0.61456	1.98235	0.5423	9.43E-03	1.44E-04	1.45E-02	0.02412	9.64E-03	1.42E-04	1.62E-02	2.60E-02	9.16E-03	1.80E-04	3.11E-02	4.04E-02
5683	484830.81, 3855012.51	0.68397	1.95867	0.59478	1.05E-02	1.43E-04	1.60E-02	0.026591	1.07E-02	1.40E-04	1.77E-02	2.86E-02	1.02E-02	1.78E-04	3.41E-02	4.44E-02
5684	484905.48, 3855075.97	0.75244	1.9299	0.65885	1.15E-02	1.40E-04	1.77E-02	0.029357	1.18E-02	1.38E-04	1.97E-02	3.16E-02	1.12E-02	1.76E-04	3.77E-02	4.91E-02
5685	484980.14, 3855139.44	0.79793	1.77282	0.70259	1.22E-02	1.29E-04	1.88E-02	0.031217	1.25E-02	1.27E-04	2.10E-02	3.36E-02	1.19E-02	1.61E-04	4.02E-02	5.23E-02
5686	485054.81, 3855202.91	0.82221	1.5501	0.72644	1.26E-02	1.13E-04	1.95E-02	0.032213	1.29E-02	1.11E-04	2.17E-02	3.47E-02	1.22E-02	1.41E-04	4.16E-02	5.40E-02
5687	485129.48, 3855266.37	0.81719	1.29493	0.72035	1.25E-02	9.43E-05	1.93E-02	0.031954	1.28E-02	9.28E-05	2.15E-02	3.44E-02	1.22E-02	1.18E-04	4.13E-02	5.36E-02
5688	485204.15, 3855329.84	0.8549	1.1531	0.76516	1.31E-02	8.39E-05	2.05E-02	0.033724	1.34E-02	8.26E-05	2.28E-02	3.63E-02	1.27E-02	1.05E-04	4.38E-02	5.67E-02
5689	485278.82, 3855393.31	0.86351	0.99339	0.78038	1.33E-02	7.23E-05	2.09E-02	0.034253	1.35E-02	7.12E-05	2.33E-02	3.69E-02	1.29E-02	9.04E-05	4.47E-02	5.77E-02
5690	485353.48, 3855456.77	0.88204	0.87448	0.8101	1.35E-02	6.37E-05	2.17E-02	0.035326	1.38E-02	6.27E-05	2.42E-02	3.81E-02	1.31E-02	7.95E-05	4.64E-02	5.96E-02
5691	485428.15, 3855520.24	0.88474	0.76084	0.82198	1.36E-02	5.54E-05	2.20E-02	0.035678	1.39E-02	5.45E-05	2.45E-02	3.84E-02	1.32E-02	6.92E-05	4.71E-02	6.03E-02
5692	485502.82, 3855583.71	0.88877	0.66992	0.83676	1.36E-02	4.88E-05	2.24E-02	0.036129	1.39E-02	4.80E-05	2.50E-02	3.89E-02	1.32E-02	6.09E-05	4.79E-02	6.12E-02
5693	485577.49, 3855647.17	0.91146	0.6086	0.87545	1.40E-02	4.43E-05	2.35E-02	0.037511	1.43E-02	4.36E-05	2.61E-02	4.05E-02	1.36E-02	5.54E-05	5.01E-02	6.38E-02
5694	485652.16, 3855710.64	0.93334	0.55669	0.91399	1.43E-02	4.05E-05	2.45E-02	0.038876	1.46E-02	3.99E-05	2.73E-02	4.19E-02	1.39E-02	5.06E-05	5.24E-02	6.63E-02
5695	485726.83, 3855774.11	0.93576	0.50369	0.92851	1.44E-02	3.67E-05	2.49E-02	0.039299	1.47E-02	3.61E-05	2.77E-02	4.24E-02	1.39E-02	4.58E-05	5.32E-02	6.72E-02
5696	485801.49, 3855837.57	0.92628	0.45508	0.92886	1.42E-02	3.31E-05	2.49E-02	0.03916	1.45E-02	3.26E-05	2.77E-02	4.23E-02	1.38E-02	4.14E-05	5.32E-02	6.70E-02

5697	485876.16, 3855901.04	0.92665	0.41827	0.94072	1.42E-02	3.04E-05	2.52E-02	0.039481	1.45E-02	3.00E-05	2.81E-02	4.26E-02	1.38E-02	3.80E-05	5.39E-02	6.77E-02
5698	485950.83, 3855964.5	0.91885	0.38453	0.94254	1.41E-02	2.80E-05	2.53E-02	0.039407	1.44E-02	2.76E-05	2.81E-02	4.26E-02	1.37E-02	3.50E-05	5.40E-02	6.77E-02
5699	486025.5, 3856027.97	0.89901	0.35229	0.92987	1.38E-02	2.56E-05	2.49E-02	0.038761	1.41E-02	2.52E-05	2.77E-02	4.19E-02	1.34E-02	3.20E-05	5.33E-02	6.67E-02
5700	486100.17, 3856091.44	0.93258	0.338	0.97617	1.43E-02	2.46E-05	2.62E-02	0.040517	1.46E-02	2.42E-05	2.91E-02	4.38E-02	1.39E-02	3.07E-05	5.59E-02	6.98E-02
5701	486174.83, 3856154.9	0.9066	0.3117	0.95485	1.39E-02	2.27E-05	2.56E-02	0.039544	1.42E-02	2.23E-05	2.85E-02	4.27E-02	1.35E-02	2.84E-05	5.47E-02	6.82E-02
5702	486249.5, 3856218.37	0.84953	0.2812	0.89723	1.30E-02	2.05E-05	2.41E-02	0.037121	1.33E-02	2.01E-05	2.68E-02	4.01E-02	1.27E-02	2.56E-05	5.14E-02	6.41E-02
5703	486324.17, 3856281.84	0.80702	0.25668	0.85431	1.24E-02	1.87E-05	2.29E-02	0.035316	1.27E-02	1.84E-05	2.55E-02	3.82E-02	1.20E-02	2.33E-05	4.89E-02	6.10E-02
5704	486398.84, 3856345.3	0.82125	0.24871	0.87417	1.26E-02	1.81E-05	2.34E-02	0.036066	1.29E-02	1.78E-05	2.61E-02	3.90E-02	1.22E-02	2.26E-05	5.01E-02	6.23E-02
5705	486473.51, 3856408.77	0.82343	0.23978	0.87824	1.26E-02	1.75E-05	2.36E-02	0.036208	1.29E-02	1.72E-05	2.62E-02	3.91E-02	1.23E-02	2.18E-05	5.03E-02	6.26E-02
5706	486548.17, 3856472.24	0.84454	0.23694	0.90152	1.30E-02	1.72E-05	2.42E-02	0.037156	1.32E-02	1.70E-05	2.69E-02	4.02E-02	1.26E-02	2.16E-05	5.16E-02	6.42E-02
5707	486622.84, 3856535.7	0.86845	0.23608	0.92678	1.33E-02	1.72E-05	2.49E-02	0.0382	1.36E-02	1.69E-05	2.76E-02	4.13E-02	1.29E-02	2.15E-05	5.31E-02	6.60E-02
5708	486765.48, 3856659.69	0.93183	0.24009	0.99403	1.43E-02	1.75E-05	2.67E-02	0.040977	1.46E-02	1.72E-05	2.97E-02	4.43E-02	1.39E-02	2.18E-05	5.69E-02	7.08E-02
5709	486833.44, 3856720.2	0.9563	0.24404	1.01969	1.47E-02	1.78E-05	2.73E-02	0.042041	1.50E-02	1.75E-05	3.04E-02	4.54E-02	1.42E-02	2.22E-05	5.84E-02	7.27E-02
5710	486901.41, 3856780.72	0.98615	0.255	1.05375	1.51E-02	1.86E-05	2.83E-02	0.043413	1.55E-02	1.83E-05	3.14E-02	4.69E-02	1.47E-02	2.32E-05	6.04E-02	7.51E-02
5711	486969.38, 3856841.24	1.00803	0.27482	1.08093	1.55E-02	2.00E-05	2.90E-02	0.044479	1.58E-02	1.97E-05	3.22E-02	4.81E-02	1.50E-02	2.50E-05	6.19E-02	7.70E-02
5712	487037.34, 3856901.75	1.02678	0.31779	1.10579	1.58E-02	2.31E-05	2.97E-02	0.045437	1.61E-02	2.28E-05	3.30E-02	4.91E-02	1.53E-02	2.89E-05	6.33E-02	7.87E-02
5713	487271.23, 3856855.51	0.85894	0.33391	0.92009	1.32E-02	2.43E-05	2.47E-02	0.037882	1.35E-02	2.39E-05	2.74E-02	4.09E-02	1.28E-02	3.04E-05	5.27E-02	6.55E-02
5714	487368.96, 3856857.29	0.81742	0.36127	0.87504	1.25E-02	2.63E-05	2.35E-02	0.036039	1.28E-02	2.59E-05	2.61E-02	3.89E-02	1.22E-02	3.29E-05	5.01E-02	6.23E-02
5715	487466.68, 3856859.06	0.78164	0.39186	0.83645	1.20E-02	2.85E-05	2.24E-02	0.034457	1.23E-02	2.81E-05	2.50E-02	3.72E-02	1.16E-02	3.56E-05	4.79E-02	5.96E-02
5716	487636.44, 3856930	0.7565	0.54187	0.81195	1.16E-02	3.94E-05	2.18E-02	0.033425	1.19E-02	3.88E-05	2.42E-02	3.61E-02	1.13E-02	4.93E-05	4.65E-02	5.78E-02
5717	487709.57, 3856928.43	0.73152	0.5543	0.78485	1.12E-02	4.03E-05	2.11E-02	0.032316	1.15E-02	3.97E-05	2.34E-02	3.49E-02	1.09E-02	5.04E-05	4.50E-02	5.59E-02
5718	487782.55, 3856841.96	0.67157	0.43749	0.71632	1.03E-02	3.18E-05	1.92E-02	0.029549	1.05E-02	3.13E-05	2.14E-02	3.19E-02	1.00E-02	3.98E-05	4.10E-02	5.11E-02
5719	487849.83, 3856754.74	0.62151	0.36232	0.65978	9.54E-03	2.64E-05	1.77E-02	0.027259	9.74E-03	2.60E-05	1.97E-02	2.95E-02	9.26E-03	3.30E-05	3.78E-02	4.71E-02
5720	487918.03, 3856819.39	0.62944	0.43281	0.6703	9.66E-03	3.15E-05	1.80E-02	0.027668	9.87E-03	3.10E-05	2.00E-02	2.99E-02	9.38E-03	3.94E-05	3.84E-02	4.78E-02
5721	487918.8, 3856886.37	0.65328	0.51574	0.69845	1.00E-02	3.75E-05	1.87E-02	0.028795	1.02E-02	3.70E-05	2.08E-02	3.11E-02	9.73E-03	4.69E-05	4.00E-02	4.98E-02
5722	488065.47, 3857127.51	0.69122	0.91917	0.75223	1.06E-02	6.69E-05	2.02E-02	0.030849	1.08E-02	6.59E-05	2.24E-02	3.33E-02	1.03E-02	8.36E-05	4.31E-02	5.35E-02
5723	488192.19, 3857385.84	0.73047	1.10328	0.81885	1.12E-02	8.03E-05	2.20E-02	0.033251	1.15E-02	7.91E-05	2.44E-02	3.60E-02	1.09E-02	1.00E-04	4.69E-02	5.79E-02
5724	488191.22, 3857473.87	0.75965	1.09141	0.85723	1.17E-02	7.94E-05	2.30E-02	0.034728	1.19E-02	7.82E-05	2.56E-02	3.76E-02	1.13E-02	9.93E-05	4.91E-02	6.05E-02
5725	488190.24, 3857561.91	0.79058	1.02865	0.89552	1.21E-02	7.49E-05	2.40E-02	0.036225	1.24E-02	7.37E-05	2.67E-02	3.92E-02	1.18E-02	9.36E-05	5.13E-02	6.32E-02
5726	488158.35, 3857691.13	0.8567	0.90634	0.97861	1.31E-02	6.60E-05	2.62E-02	0.039459	1.34E-02	6.49E-05	2.92E-02	4.27E-02	1.28E-02	8.24E-05	5.61E-02	6.89E-02
5727	488208.37, 3857816.66	0.86949	0.70108	1.00236	1.33E-02	5.10E-05	2.69E-02	0.040277	1.36E-02	5.02E-05	2.99E-02	4.36E-02	1.30E-02	6.38E-05	5.74E-02	7.04E-02
5728	488271.97, 3857874.6	0.84375	0.60449	0.97575	1.29E-02	4.40E-05	2.62E-02	0.039162	1.32E-02	4.33E-05	2.91E-02	4.24E-02	1.26E-02	5.50E-05	5.59E-02	6.85E-02
5729	488463.56, 3857942.31	0.75038	0.48528	0.85159	1.15E-02	3.53E-05	2.28E-02	0.03439	1.18E-02	3.48E-05	2.54E-02	3.72E-02	1.12E-02	4.41E-05	4.88E-02	6.00E-02
5730	488554.83, 3857940.83	0.7056	0.46703	0.79444	1.08E-02	3.40E-05	2.13E-02	0.032169	1.11E-02	3.35E-05	2.37E-02	3.48E-02	1.05E-02	4.25E-05	4.55E-02	5.61E-02
5731	488646.1, 3857939.36	0.66494	0.44988	0.74478	1.02E-02	3.27E-05	2.00E-02	0.030212	1.04E-02	3.22E-05	2.22E-02	3.27E-02	9.91E-03	4.09E-05	4.27E-02	5.26E-02
5732	488737.37, 3857937.88	0.62796	0.43389	0.70143	9.64E-03	3.16E-05	1.88E-02	0.02848	9.85E-03	3.11E-05	2.09E-02	3.08E-02	9.35E-03	3.95E-05	4.02E-02	4.96E-02
5733	488733.59, 3857960.57	0.6306	0.4213	0.70563	9.68E-03	3.07E-05	1.89E-02	0.028633	9.89E-03	3.02E-05	2.11E-02	3.10E-02	9.39E-03	3.83E-05	4.04E-02	4.99E-02
5734	488638.09, 3857961.57	0.67033	0.4369	0.75221	1.03E-02	3.18E-05	2.02E-02	0.030493	1.05E-02	3.13E-05	2.24E-02	3.30E-02	9.99E-03	3.97E-05	4.31E-02	5.31E-02
5735	488542.6, 3857962.56	0.71444	0.45347	0.80539	1.10E-02	3.30E-05	2.16E-02	0.032597	1.12E-02	3.25E-05	2.40E-02	3.53E-02	1.06E-02	4.12E-05	4.61E-02	5.68E-02
5736	488447.1, 3857963.56	0.76289	0.47158	0.86826	1.17E-02	3.43E-05	2.33E-02	0.035028	1.20E-02	3.38E-05	2.59E-02	3.79E-02	1.14E-02	4.29E-05	4.97E-02	6.11E-02
5737	488254.28, 3857890.36	0.85919	0.59222	0.99769	1.32E-02	4.31E-05	2.68E-02	0.039986	1.35E-02	4.24E-05	2.98E-02	4.33E-02	1.28E-02	5.39E-05	5.72E-02	7.00E-02
5738	488191.69, 3857833.06	0.88509	0.68738	1.02657	1.36E-02	5.00E-05	2.75E-02	0.041165	1.39E-02	4.93E-05	3.06E-02	4.46E-02	1.32E-02	6.25E-05	5.88E-02	7.21E-02
5739	488129.5, 3857907.43	0.95544	0.61116	1.1344	1.47E-02	4.45E-05	3.04E-02	0.045131	1.50E-02	4.38E-05	3.38E-02	4.89E-02	1.42E-02	5.56E-05	6.50E-02	7.93E-02
5740	488196.47, 3857968.74	0.92183	0.52177	1.09743	1.41E-02	3.80E-05	2.94E-02	0.043617	1.45E-02	3.74E-05	3.27E-02	4.72E-02	1.37E-02	4.75E-05	6.29E-02	7.66E-02
5741	488263.44, 3858030.04	0.89248	0.45189	1.06022	1.37E-02	3.29E-05	2.84E-02	0.042164	1.40E-02	3.24E-05	3.16E-02	4.57E-02	1.33E-02	4.11E-05	6.07E-02	7.41E-02
5742	488400.64, 3858132.9	0.82744	0.3614	0.96124	1.27E-02	2.63E-05	2.58E-02	0.038504	1.30E-02	2.59E-05	2.87E-02	4.17E-02	1.23E-02	3.29E-05	5.51E-02	6.74E-02
5743	488519.89, 3858218.38	0.75646	0.30311	0.83995	1.16E-02	2.21E-05	2.25E-02	0.034158	1.19E-02	2.17E-05	2.51E-02	3.69E-02	1.13E-02	2.76E-05	4.81E-02	5.94E-02
5744	488647.97, 3858214.99	0.67332	0.29693	0.73978	1.03E-02	2.16E-05	1.98E-02	0.030195	1.06E-02	2.13E-05	2.21E-02	3.26E-02	1.00E-02	2.70E-05	4.24E-02	5.24E-02
5745	488727.05, 3858167.67	0.63591	0.31203	0.70075	9.76E-03	2.27E-05	1.88E-02	0.028575	9.97E-03	2.24E-05	2.09E-02	3.09E-02	9.47E-03	2.84E-05	4.01E-02	4.96E-02
5746	488806.12, 3858120.35	0.60324	0.3272	0.66729	9.26E-03	2.38E-05	1.79E-02	0.027178	9.46E-03	2.34E-05	1.99E-02	2.94E-02	8.99E-03	2.98E-05	3.82E-02	4.72E-02
5747	488885.2, 3858073.03	0.57435	0.34206	0.63727	8.81E-03	2.49E-05	1.71E-02	0.02593	9.01E-03	2.45E-05	1.90E-02	2.80E-02	8.56E-03	3.11E-05	3.65E-02	4.51E-02
5748	489055.76, 3857991.18	0.52205	0.36084	0.58152	8.01E-03	2.63E-05	1.56E-02	0.023634	8.19E-03	2.59E-05	1.73E-02	2.56E-02	7.78E-03	3.28E-05	3.33E-02	4.11E-02
5749	489245.39, 3857944.55	0.47387	0.35554	0.52983	7.27E-03	2.59E-05	1.42E-02	0.021508	7.43E-03	2.55E-05	1.58E-02	2.33E-02	7.06E-03	3.23E-05	3.04E-02	3.74E-02
5750	489430.63, 3857930.91	0.43433	0.33559	0.48387	6.66E-03	2.44E-05	1.30E-02	0.019667	6.81E-03	2.40E-05	1.44E-02	2.13E-02	6.47E-03	3.05E-05	2.77E-02	3.42E-02
5751	489517.74, 3857929.36	0.41761	0.32513	0.4643	6.41E-03	2.37E-05	1.25E-02	0.018885	6.55E-03	2.33E-05	1.39E-02	2.04E-02	6.22E-03	2.96E-05	2.66E-02	3.28E-02
5752	489604.86, 3857927.82	0.4018	0.3151	0.44615	6.17E-03	2.29E-05	1.20E-02	0.018155	6.30E-03	2.26E-05	1.33E-02	1.96E-02	5.99E-03	2.87E-05	2.56E-02	3.16E-02
5753	489691.97, 3857926.28	0.38733	0.30527	0.42893	5.94E-03	2.22E-05	1.15E-02	0.01747	6.07E-03	2.19E-05	1.28E-02	1.89E-02	5.77E-03	2.78E-05	2.46E-02	3.04E-02

5754	489779.08, 3857924.73	0.37363	0.29586	0.41288	5.73E-03	2.15E-05	1.11E-02	0.016829	5.86E-03	2.12E-05	1.23E-02	1.82E-02	5.57E-03	2.69E-05	2.37E-02	2.92E-02
5755	490017.55, 3857875.09	0.3421	0.27807	0.37665	5.25E-03	2.02E-05	1.01E-02	0.015372	5.36E-03	1.99E-05	1.12E-02	1.66E-02	5.10E-03	2.53E-05	2.16E-02	2.67E-02
5756	490033.82, 3857960.81	0.33668	0.26456	0.36754	5.17E-03	1.93E-05	9.86E-03	0.015043	5.28E-03	1.90E-05	1.10E-02	1.63E-02	5.02E-03	2.41E-05	2.11E-02	2.61E-02
5757	489959.15, 3857987.49	0.34559	0.26715	0.37644	5.30E-03	1.94E-05	1.01E-02	0.015419	5.42E-03	1.91E-05	1.12E-02	1.67E-02	5.15E-03	2.43E-05	2.16E-02	2.67E-02
5758	489791.49, 3858016.12	0.36651	0.27742	0.4017	5.62E-03	2.02E-05	1.08E-02	0.016418	5.75E-03	1.99E-05	1.20E-02	1.78E-02	5.46E-03	2.52E-05	2.30E-02	2.85E-02
5759	489698.51, 3858018.07	0.381	0.28554	0.41863	5.85E-03	2.08E-05	1.12E-02	0.017095	5.97E-03	2.05E-05	1.25E-02	1.85E-02	5.68E-03	2.60E-05	2.40E-02	2.97E-02
5760	489605.52, 3858020.02	0.39655	0.2938	0.43683	6.09E-03	2.14E-05	1.17E-02	0.017823	6.22E-03	2.11E-05	1.30E-02	1.93E-02	5.91E-03	2.67E-05	2.50E-02	3.10E-02
5761	489512.53, 3858021.96	0.41342	0.30215	0.45643	6.34E-03	2.20E-05	1.22E-02	0.018608	6.48E-03	2.16E-05	1.36E-02	2.01E-02	6.16E-03	2.75E-05	2.61E-02	3.23E-02
5762	489419.55, 3858023.91	0.43193	0.31042	0.47726	6.63E-03	2.26E-05	1.28E-02	0.019451	6.77E-03	2.22E-05	1.42E-02	2.10E-02	6.43E-03	2.82E-05	2.73E-02	3.38E-02
5763	489228.47, 3858041.29	0.47248	0.32416	0.52679	7.25E-03	2.36E-05	1.41E-02	0.021403	7.41E-03	2.32E-05	1.57E-02	2.31E-02	7.04E-03	2.95E-05	3.02E-02	3.72E-02
5764	489065.75, 3858085.78	0.5138	0.32122	0.56983	7.88E-03	2.34E-05	1.53E-02	0.023191	8.06E-03	2.30E-05	1.70E-02	2.51E-02	7.65E-03	2.92E-05	3.26E-02	4.03E-02
5765	489001.12, 3858114.86	0.53138	0.3147	0.58816	8.15E-03	2.29E-05	1.58E-02	0.023952	8.33E-03	2.25E-05	1.75E-02	2.59E-02	7.92E-03	2.86E-05	3.37E-02	4.16E-02
5766	488861.89, 3858189.81	0.57251	0.29516	0.63207	8.79E-03	2.15E-05	1.70E-02	0.025759	8.98E-03	2.11E-05	1.89E-02	2.79E-02	8.53E-03	2.68E-05	3.62E-02	4.48E-02
5767	488787.29, 3858235.69	0.5989	0.28121	0.65195	9.19E-03	2.05E-05	1.75E-02	0.026696	9.39E-03	2.01E-05	1.94E-02	2.89E-02	8.92E-03	2.56E-05	3.73E-02	4.63E-02
5768	488712.68, 3858281.57	0.62564	0.26873	0.6786	9.60E-03	1.96E-05	1.82E-02	0.02782	9.81E-03	1.93E-05	2.02E-02	3.01E-02	9.32E-03	2.44E-05	3.89E-02	4.82E-02
5769	488654.39, 3858436.17	0.63282	0.21575	0.58228	9.71E-03	1.57E-05	1.56E-02	0.025343	9.92E-03	1.55E-05	1.74E-02	2.73E-02	9.43E-03	1.96E-05	3.34E-02	4.28E-02
5770	488726.31, 3858505.26	0.59771	0.19574	0.47966	9.17E-03	1.42E-05	1.29E-02	0.022051	9.37E-03	1.40E-05	1.43E-02	2.37E-02	8.90E-03	1.78E-05	2.75E-02	3.64E-02
5771	488880.6, 3858599.28	0.54007	0.17404	0.37047	8.29E-03	1.27E-05	9.94E-03	0.018236	8.47E-03	1.25E-05	1.11E-02	1.95E-02	8.05E-03	1.58E-05	2.12E-02	2.93E-02
5772	489008.06, 3858714.75	0.5175	0.15173	0.29149	7.94E-03	1.10E-05	7.82E-03	0.01577	8.11E-03	1.09E-05	8.70E-03	1.68E-02	7.71E-03	1.38E-05	1.67E-02	2.44E-02
5773	489071.48, 3858772.72	0.4982	0.1423	0.26268	7.64E-03	1.04E-05	7.05E-03	0.014701	7.81E-03	1.02E-05	7.84E-03	1.57E-02	7.42E-03	1.29E-05	1.50E-02	2.25E-02
5774	489244.6, 3858920.2	0.33341	0.12224	0.20819	5.12E-03	8.90E-06	5.58E-03	0.010709	5.23E-03	8.76E-06	6.21E-03	1.14E-02	4.97E-03	1.11E-05	1.19E-02	1.69E-02
5775	489239.69, 3858952.23	0.31181	0.11792	0.19888	4.78E-03	8.58E-06	5.33E-03	0.010127	4.89E-03	8.45E-06	5.93E-03	1.08E-02	4.65E-03	1.07E-05	1.14E-02	1.60E-02
5776	489121.67, 3858854.49	0.44591	0.1298	0.22995	6.84E-03	9.45E-06	6.17E-03	0.013019	6.99E-03	9.30E-06	6.86E-03	1.39E-02	6.64E-03	1.18E-05	1.32E-02	1.98E-02
5777	489059.59, 3858797.27	0.51344	0.13787	0.25255	7.88E-03	1.00E-05	6.77E-03	0.014662	8.05E-03	9.88E-06	7.53E-03	1.56E-02	7.65E-03	1.25E-05	1.45E-02	2.21E-02
5778	488997.52, 3858740.04	0.53717	0.14693	0.27991	8.24E-03	1.07E-05	7.51E-03	0.015761	8.42E-03	1.05E-05	8.35E-03	1.68E-02	8.00E-03	1.34E-05	1.60E-02	2.41E-02
5779	488935.44, 3858682.82	0.54531	0.1568	0.31251	8.37E-03	1.14E-05	8.38E-03	0.016761	8.55E-03	1.12E-05	9.32E-03	1.79E-02	8.12E-03	1.43E-05	1.79E-02	2.60E-02
5780	488869.17, 3858848.43	0.96275	0.12768	0.2306	1.48E-02	9.29E-06	6.18E-03	0.020968	1.51E-02	9.15E-06	6.88E-03	2.20E-02	1.43E-02	1.16E-05	1.32E-02	2.76E-02
5781	488932.48, 3858892.69	0.69684	0.12229	0.21423	1.07E-02	8.90E-06	5.75E-03	0.016448	1.09E-02	8.76E-06	6.39E-03	1.73E-02	1.04E-02	1.11E-05	1.23E-02	2.27E-02
5782	489063.27, 3858977.17	0.3328	0.11338	0.18964	5.11E-03	8.25E-06	5.09E-03	0.010201	5.22E-03	8.12E-06	5.66E-03	1.09E-02	4.96E-03	1.03E-05	1.09E-02	1.58E-02
5783	489248.2, 3859117.15	0.20803	0.10069	0.15842	3.19E-03	7.33E-06	4.25E-03	0.007448	3.26E-03	7.21E-06	4.73E-03	7.99E-03	3.10E-03	9.16E-06	9.08E-03	1.22E-02
5784	489296.25, 3859049.22	0.24119	0.10721	0.174	3.70E-03	7.80E-06	4.67E-03	0.008376	3.78E-03	7.68E-06	5.19E-03	8.98E-03	3.59E-03	9.75E-06	9.97E-03	1.36E-02
5785	489353.38, 3858993.97	0.26481	0.11414	0.18795	4.06E-03	8.31E-06	5.04E-03	0.009113	4.15E-03	8.18E-06	5.61E-03	9.77E-03	3.94E-03	1.04E-05	1.08E-02	1.47E-02
5786	489537.25, 3859120.22	0.19944	0.10238	0.16107	3.06E-03	7.45E-06	4.32E-03	0.007388	3.13E-03	7.34E-06	4.81E-03	7.94E-03	2.97E-03	9.31E-06	9.23E-03	1.22E-02
5787	489726.98, 3859246.04	0.16277	0.09249	0.14023	2.50E-03	6.73E-06	3.76E-03	0.006266	2.55E-03	6.63E-06	4.18E-03	6.74E-03	2.42E-03	8.41E-06	8.03E-03	1.05E-02
5788	489911.46, 3859366.33	0.13939	0.08472	0.12491	2.14E-03	6.17E-06	3.35E-03	0.005495	2.19E-03	6.07E-06	3.73E-03	5.92E-03	2.08E-03	7.71E-06	7.16E-03	9.24E-03
5789	490035.3, 3859430.26	0.12936	0.08083	0.11739	1.99E-03	5.88E-06	3.15E-03	0.005139	2.03E-03	5.79E-06	3.50E-03	5.54E-03	1.93E-03	7.35E-06	6.72E-03	8.66E-03
5790	490101.11, 3859458.61	0.12545	0.0794	0.11461	1.93E-03	5.78E-06	3.07E-03	0.005005	1.97E-03	5.69E-06	3.42E-03	5.39E-03	1.87E-03	7.22E-06	6.57E-03	8.44E-03
5791	490312.68, 3859560.3	0.11329	0.07449	0.10547	1.74E-03	5.42E-06	2.83E-03	0.004573	1.78E-03	5.34E-06	3.15E-03	4.93E-03	1.69E-03	6.78E-06	6.04E-03	7.74E-03
5792	490401.63, 3859603.12	0.10894	0.07265	0.10213	1.67E-03	5.29E-06	2.74E-03	0.004416	1.71E-03	5.21E-06	3.05E-03	4.76E-03	1.62E-03	6.61E-06	5.85E-03	7.48E-03
5793	490490.57, 3859645.94	0.10497	0.07092	0.09905	1.61E-03	5.16E-06	2.66E-03	0.004273	1.65E-03	5.08E-06	2.95E-03	4.61E-03	1.56E-03	6.45E-06	5.67E-03	7.24E-03
5794	490579.51, 3859688.76	0.10136	0.06932	0.09624	1.56E-03	5.05E-06	2.58E-03	0.004142	1.59E-03	4.97E-06	2.87E-03	4.47E-03	1.51E-03	6.31E-06	5.51E-03	7.03E-03
5795	490668.45, 3859731.58	0.09808	0.06789	0.09374	1.51E-03	4.94E-06	2.51E-03	0.004024	1.54E-03	4.86E-06	2.80E-03	4.34E-03	1.46E-03	6.18E-06	5.37E-03	6.84E-03
5796	490757.4, 3859774.4	0.09476	0.06624	0.09091	1.45E-03	4.82E-06	2.44E-03	0.003897	1.49E-03	4.75E-06	2.71E-03	4.20E-03	1.41E-03	6.03E-06	5.21E-03	6.63E-03
5797	491003.53, 3859861.82	0.08875	0.06357	0.08607	1.36E-03	4.63E-06	2.31E-03	0.003675	1.39E-03	4.55E-06	2.57E-03	3.96E-03	1.32E-03	5.78E-06	4.93E-03	6.26E-03
5798	491081.41, 3859879.05	0.08757	0.06314	0.08515	1.34E-03	4.60E-06	2.28E-03	0.003632	1.37E-03	4.52E-06	2.54E-03	3.92E-03	1.30E-03	5.74E-06	4.88E-03	6.19E-03
5799	491229.76, 3859917.82	0.08494	0.062	0.08297	1.30E-03	4.51E-06	2.23E-03	0.003533	1.33E-03	4.44E-06	2.48E-03	3.81E-03	1.27E-03	5.64E-06	4.75E-03	6.02E-03
5800	491300.22, 3859939.35	0.08352	0.06127	0.08168	1.28E-03	4.46E-06	2.19E-03	0.003477	1.31E-03	4.39E-06	2.44E-03	3.75E-03	1.24E-03	5.57E-06	4.68E-03	5.93E-03
5801	491350.49, 3860012.03	0.07915	0.0582	0.0772	1.21E-03	4.24E-06	2.07E-03	0.003289	1.24E-03	4.17E-06	2.30E-03	3.55E-03	1.18E-03	5.29E-06	4.42E-03	5.61E-03
5802	491406.82, 3860092.57	0.07478	0.05525	0.0729	1.15E-03	4.02E-06	1.96E-03	0.003107	1.17E-03	3.96E-06	2.17E-03	3.35E-03	1.11E-03	5.03E-06	4.18E-03	5.30E-03
5803	491483.37, 3860121.96	0.07345	0.05456	0.07178	1.13E-03	3.97E-06	1.93E-03	0.003056	1.15E-03	3.91E-06	2.14E-03	3.30E-03	1.09E-03	4.96E-06	4.11E-03	5.21E-03
5804	491559.91, 3860151.36	0.07209	0.05384	0.0706	1.11E-03	3.92E-06	1.89E-03	0.003004	1.13E-03	3.86E-06	2.11E-03	3.24E-03	1.07E-03	4.90E-06	4.04E-03	5.12E-03
5805	491711.81, 3860237.76	0.06948	0.05262	0.06877	1.07E-03	3.83E-06	1.84E-03	0.002914	1.09E-03	3.77E-06	2.05E-03	3.14E-03	1.04E-03	4.79E-06	3.94E-03	4.98E-03
5806	491755.2, 3860319.07	0.0646	0.04892	0.06339	9.91E-04	3.56E-06	1.70E-03	0.002695	1.01E-03	3.51E-06	1.89E-03	2.91E-03	9.62E-04	4.45E-06	3.63E-03	4.60E-03
5807	491704.71, 3860366.54	0.06257	0.0474	0.06129	9.60E-04	3.45E-06	1.64E-03	0.002607	9.81E-04	3.40E-06	1.83E-03	2.81E-03	9.32E-04	4.31E-06	3.51E-03	4.45E-03
5808	491623.43, 3860462.39	0.05833	0.04452	0.05704	8.95E-04	3.24E-06	1.53E-03	0.002428	9.15E-04	3.19E-06	1.70E-03	2.62E-03	8.69E-04	4.05E-06	3.27E-03	4.14E-03
5809	491534.02, 3860439.85	0.06018	0.04598	0.05922	9.23E-04	3.35E-06	1.59E-03	0.002515	9.44E-04	3.29E-06	1.77E-03	2.71E-03	8.97E-04	4.18E-06	3.39E-03	4.29E-03
5810	491313.95, 3860268.18	0.06503	0.04853	0.06307	9.98E-04	3.53E-06	1.69E-03	0.002693	1.02E-03	3.48E-06	1.88E-03	2.90E-03	9.69E-04	4.41E-06	3.61E-03	4.59E-03

5811	491187.12, 3860143.56	0.07127	0.05233	0.06892	1.09E-03	3.81E-06	1.85E-03	0.002946	1.12E-03	3.75E-06	2.06E-03	3.18E-03	1.06E-03	4.76E-06	3.95E-03	5.01E-03
5812	491070.43, 3860075.97	0.07483	0.05442	0.0722	1.15E-03	3.96E-06	1.94E-03	0.003089	1.17E-03	3.90E-06	2.15E-03	3.33E-03	1.11E-03	4.95E-06	4.14E-03	5.26E-03
5813	490995.09, 3860039.39	0.07674	0.05549	0.0739	1.18E-03	4.04E-06	1.98E-03	0.003164	1.20E-03	3.98E-06	2.20E-03	3.41E-03	1.14E-03	5.05E-06	4.23E-03	5.38E-03
5814	490919.75, 3860002.8	0.07874	0.05661	0.07568	1.21E-03	4.12E-06	2.03E-03	0.003242	1.23E-03	4.06E-06	2.26E-03	3.50E-03	1.17E-03	5.15E-06	4.34E-03	5.51E-03
5815	490756.81, 3859894.53	0.0856	0.06052	0.08202	1.31E-03	4.41E-06	2.20E-03	0.003518	1.34E-03	4.34E-06	2.45E-03	3.79E-03	1.28E-03	5.51E-06	4.70E-03	5.98E-03
5816	490668.07, 3859860.92	0.08749	0.06137	0.08343	1.34E-03	4.47E-06	2.24E-03	0.003585	1.37E-03	4.40E-06	2.49E-03	3.87E-03	1.30E-03	5.58E-06	4.78E-03	6.09E-03
5817	490579.34, 3859827.3	0.08961	0.06241	0.08515	1.38E-03	4.54E-06	2.28E-03	0.003663	1.41E-03	4.47E-06	2.54E-03	3.95E-03	1.33E-03	5.68E-06	4.88E-03	6.22E-03
5818	490490.6, 3859793.68	0.09168	0.06334	0.08666	1.41E-03	4.61E-06	2.32E-03	0.003736	1.44E-03	4.54E-06	2.59E-03	4.03E-03	1.37E-03	5.76E-06	4.96E-03	6.34E-03
5819	490401.86, 3859760.07	0.09387	0.06434	0.08831	1.44E-03	4.68E-06	2.37E-03	0.003814	1.47E-03	4.61E-06	2.63E-03	4.11E-03	1.40E-03	5.85E-06	5.06E-03	6.46E-03
5820	490313.12, 3859726.45	0.0963	0.06552	0.09023	1.48E-03	4.77E-06	2.42E-03	0.003903	1.51E-03	4.69E-06	2.69E-03	4.21E-03	1.43E-03	5.96E-06	5.17E-03	6.61E-03
5821	490224.39, 3859692.83	0.09892	0.06682	0.09234	1.52E-03	4.86E-06	2.48E-03	0.003999	1.55E-03	4.79E-06	2.75E-03	4.31E-03	1.47E-03	6.08E-06	5.29E-03	6.77E-03
5822	490135.65, 3859659.22	0.10175	0.06827	0.0947	1.56E-03	4.97E-06	2.54E-03	0.004106	1.60E-03	4.89E-06	2.83E-03	4.43E-03	1.52E-03	6.21E-06	5.42E-03	6.95E-03
5823	489918.19, 3859559.23	0.11143	0.07291	0.10253	1.71E-03	5.31E-06	2.75E-03	0.004465	1.75E-03	5.22E-06	3.06E-03	4.81E-03	1.66E-03	6.63E-06	5.87E-03	7.54E-03
5824	489743.61, 3859486	0.11953	0.0766	0.10869	1.83E-03	5.58E-06	2.92E-03	0.004755	1.87E-03	5.49E-06	3.24E-03	5.12E-03	1.78E-03	6.97E-06	6.23E-03	8.01E-03
5825	489660.32, 3859440.27	0.12553	0.07902	0.113	1.93E-03	5.75E-06	3.03E-03	0.004963	1.97E-03	5.66E-06	3.37E-03	5.34E-03	1.87E-03	7.19E-06	6.47E-03	8.35E-03
5826	489577.04, 3859394.53	0.13224	0.08162	0.11771	2.03E-03	5.94E-06	3.16E-03	0.005192	2.07E-03	5.85E-06	3.51E-03	5.59E-03	1.97E-03	7.42E-06	6.74E-03	8.72E-03
5827	489493.75, 3859348.8	0.1398	0.08432	0.1227	2.15E-03	6.14E-06	3.29E-03	0.005442	2.19E-03	6.04E-06	3.66E-03	5.86E-03	2.08E-03	7.67E-06	7.03E-03	9.12E-03
5828	489321.28, 3859240.02	0.16318	0.09143	0.13669	2.50E-03	6.66E-06	3.67E-03	0.006177	2.56E-03	6.55E-06	4.08E-03	6.64E-03	2.43E-03	8.32E-06	7.83E-03	1.03E-02
5829	489235.41, 3859193.96	0.17617	0.09497	0.14378	2.70E-03	6.91E-06	3.86E-03	0.006567	2.76E-03	6.80E-06	4.29E-03	7.06E-03	2.62E-03	8.64E-06	8.24E-03	1.09E-02
5830	489149.54, 3859147.89	0.19238	0.09836	0.15068	2.95E-03	7.16E-06	4.04E-03	0.007001	3.02E-03	7.05E-06	4.50E-03	7.52E-03	2.87E-03	8.95E-06	8.63E-03	1.15E-02
5831	489063.68, 3859101.82	0.21358	0.10231	0.15904	3.28E-03	7.45E-06	4.27E-03	0.00755	3.35E-03	7.33E-06	4.74E-03	8.10E-03	3.18E-03	9.31E-06	9.11E-03	1.23E-02
5832	488977.81, 3859055.75	0.24324	0.10661	0.16848	3.73E-03	7.76E-06	4.52E-03	0.008259	3.81E-03	7.64E-06	5.03E-03	8.85E-03	3.62E-03	9.70E-06	9.65E-03	1.33E-02
5833	488891.94, 3859009.69	0.28826	0.11076	0.17793	4.42E-03	8.06E-06	4.77E-03	0.009204	4.52E-03	7.94E-06	5.31E-03	9.84E-03	4.29E-03	1.01E-05	1.02E-02	1.45E-02
5834	488808, 3859060.73	0.23747	0.10796	0.16712	3.64E-03	7.86E-06	4.48E-03	0.008134	3.72E-03	7.74E-06	4.99E-03	8.72E-03	3.54E-03	9.82E-06	9.57E-03	1.31E-02
5835	488809.93, 3859157.85	0.19091	0.10136	0.15068	2.93E-03	7.38E-06	4.04E-03	0.006978	2.99E-03	7.26E-06	4.50E-03	7.50E-03	2.84E-03	9.22E-06	8.63E-03	1.15E-02
5836	488811.86, 3859254.96	0.16394	0.09515	0.13723	2.52E-03	6.93E-06	3.68E-03	0.006203	2.57E-03	6.82E-06	4.09E-03	6.67E-03	2.44E-03	8.66E-06	7.86E-03	1.03E-02
5837	488813.78, 3859352.07	0.14512	0.08921	0.12573	2.23E-03	6.49E-06	3.37E-03	0.005606	2.28E-03	6.39E-06	3.75E-03	6.03E-03	2.16E-03	8.11E-06	7.20E-03	9.37E-03
5838	488815.71, 3859449.19	0.13088	0.08374	0.116	2.01E-03	6.10E-06	3.11E-03	0.005126	2.05E-03	6.00E-06	3.46E-03	5.52E-03	1.95E-03	7.62E-06	6.65E-03	8.60E-03
5839	488910.04, 3859547.11	0.11881	0.07869	0.1073	1.82E-03	5.73E-06	2.88E-03	0.004707	1.86E-03	5.64E-06	3.20E-03	5.07E-03	1.77E-03	7.16E-06	6.15E-03	7.92E-03
5840	489002.45, 3859547.91	0.11829	0.07869	0.10717	1.82E-03	5.73E-06	2.87E-03	0.004695	1.85E-03	5.64E-06	3.20E-03	5.06E-03	1.76E-03	7.16E-06	6.14E-03	7.91E-03
5841	489094.85, 3859548.72	0.11757	0.07852	0.10685	1.80E-03	5.72E-06	2.87E-03	0.004676	1.84E-03	5.63E-06	3.19E-03	5.04E-03	1.75E-03	7.14E-06	6.12E-03	7.88E-03
5842	489230.05, 3859601.87	0.11125	0.07559	0.10198	1.71E-03	5.50E-06	2.74E-03	0.004448	1.74E-03	5.42E-06	3.04E-03	4.79E-03	1.66E-03	6.88E-06	5.84E-03	7.51E-03
5843	489227.52, 3859680.89	0.1047	0.07253	0.09683	1.61E-03	5.28E-06	2.60E-03	0.004209	1.64E-03	5.20E-06	2.89E-03	4.54E-03	1.56E-03	6.60E-06	5.55E-03	7.11E-03
5844	489133.47, 3859760.29	0.09916	0.06947	0.09211	1.52E-03	5.06E-06	2.47E-03	0.003997	1.55E-03	4.98E-06	2.75E-03	4.31E-03	1.48E-03	6.32E-06	5.28E-03	6.76E-03
5845	489041.96, 3859760.67	0.09938	0.0693	0.09202	1.53E-03	5.04E-06	2.47E-03	0.003998	1.56E-03	4.97E-06	2.75E-03	4.31E-03	1.48E-03	6.30E-06	5.27E-03	6.76E-03
5846	488950.45, 3859761.05	0.09935	0.06899	0.09165	1.52E-03	5.02E-06	2.46E-03	0.003988	1.56E-03	4.94E-06	2.73E-03	4.30E-03	1.48E-03	6.28E-06	5.25E-03	6.74E-03
5847	488858.94, 3859761.43	0.09923	0.06869	0.09119	1.52E-03	5.00E-06	2.45E-03	0.003973	1.56E-03	4.92E-06	2.72E-03	4.28E-03	1.48E-03	6.25E-06	5.22E-03	6.71E-03
5848	488767.43, 3859761.82	0.0988	0.06819	0.09025	1.52E-03	4.96E-06	2.42E-03	0.003942	1.55E-03	4.89E-06	2.69E-03	4.25E-03	1.47E-03	6.20E-06	5.17E-03	6.65E-03
5849	488675.92, 3859762.2	0.09852	0.0678	0.08947	1.51E-03	4.94E-06	2.40E-03	0.003916	1.54E-03	4.86E-06	2.67E-03	4.22E-03	1.47E-03	6.17E-06	5.13E-03	6.60E-03
5850	488584.41, 3859762.58	0.09802	0.06723	0.08847	1.50E-03	4.89E-06	2.37E-03	0.003882	1.54E-03	4.82E-06	2.64E-03	4.18E-03	1.46E-03	6.12E-06	5.07E-03	6.53E-03
5851	488492.9, 3859762.96	0.09759	0.0667	0.08765	1.50E-03	4.86E-06	2.35E-03	0.003853	1.53E-03	4.78E-06	2.61E-03	4.15E-03	1.45E-03	6.07E-06	5.02E-03	6.48E-03
5852	488402.76, 3859830.95	0.09224	0.06345	0.08284	1.42E-03	4.62E-06	2.22E-03	0.003642	1.45E-03	4.55E-06	2.47E-03	3.92E-03	1.37E-03	5.77E-06	4.75E-03	6.13E-03
5853	488404.14, 3859898.55	0.08746	0.06075	0.07883	1.34E-03	4.42E-06	2.11E-03	0.003461	1.37E-03	4.35E-06	2.35E-03	3.73E-03	1.30E-03	5.53E-06	4.52E-03	5.82E-03
5854	488505.18, 3859964.96	0.08372	0.05906	0.0761	1.28E-03	4.30E-06	2.04E-03	0.00333	1.31E-03	4.23E-06	2.27E-03	3.59E-03	1.25E-03	5.37E-06	4.36E-03	5.61E-03
5855	488604.85, 3859963.76	0.08408	0.05964	0.07681	1.29E-03	4.34E-06	2.06E-03	0.003355	1.32E-03	4.27E-06	2.29E-03	3.61E-03	1.25E-03	5.42E-06	4.40E-03	5.66E-03
5856	488704.51, 3859962.56	0.08455	0.0602	0.07765	1.30E-03	4.38E-06	2.08E-03	0.003384	1.33E-03	4.31E-06	2.32E-03	3.65E-03	1.26E-03	5.48E-06	4.45E-03	5.71E-03
5857	488804.18, 3859961.37	0.08508	0.06075	0.07859	1.31E-03	4.42E-06	2.11E-03	0.003418	1.33E-03	4.35E-06	2.34E-03	3.68E-03	1.27E-03	5.53E-06	4.50E-03	5.77E-03
5858	488903.85, 3859960.17	0.08559	0.06125	0.0795	1.31E-03	4.46E-06	2.13E-03	0.00345	1.34E-03	4.39E-06	2.37E-03	3.72E-03	1.28E-03	5.57E-06	4.55E-03	5.83E-03
5859	489003.52, 3859958.97	0.08595	0.06163	0.08019	1.32E-03	4.49E-06	2.15E-03	0.003474	1.35E-03	4.42E-06	2.39E-03	3.74E-03	1.28E-03	5.61E-06	4.59E-03	5.88E-03
5860	489103.18, 3859957.77	0.08615	0.06197	0.0807	1.32E-03	4.51E-06	2.16E-03	0.003491	1.35E-03	4.44E-06	2.41E-03	3.76E-03	1.28E-03	5.64E-06	4.62E-03	5.91E-03
5861	489201.48, 3860046.59	0.08129	0.05933	0.07666	1.25E-03	4.32E-06	2.06E-03	0.003308	1.27E-03	4.25E-06	2.29E-03	3.57E-03	1.21E-03	5.40E-06	4.39E-03	5.61E-03
5862	489200.11, 3860136.61	0.07663	0.05645	0.07236	1.18E-03	4.11E-06	1.94E-03	0.003121	1.20E-03	4.04E-06	2.16E-03	3.36E-03	1.14E-03	5.13E-06	4.15E-03	5.29E-03
5863	489198.74, 3860226.63	0.07238	0.05379	0.0684	1.11E-03	3.92E-06	1.83E-03	0.002949	1.13E-03	3.85E-06	2.04E-03	3.18E-03	1.08E-03	4.89E-06	3.92E-03	5.00E-03
5864	489197.38, 3860316.66	0.06841	0.05124	0.06466	1.05E-03	3.73E-06	1.73E-03	0.002788	1.07E-03	3.67E-06	1.93E-03	3.01E-03	1.02E-03	4.66E-06	3.70E-03	4.73E-03
5865	489196.01, 3860406.68	0.06488	0.04894	0.06133	9.96E-04	3.56E-06	1.64E-03	0.002644	1.02E-03	3.51E-06	1.83E-03	2.85E-03	9.67E-04	4.45E-06	3.51E-03	4.48E-03
5866	489194.64, 3860496.7	0.06146	0.04665	0.05804	9.43E-04	3.40E-06	1.56E-03	0.002503	9.64E-04	3.34E-06	1.73E-03	2.70E-03	9.16E-04	4.24E-06	3.32E-03	4.24E-03
5867	489193.27, 3860586.72	0.0585	0.04466	0.05523	8.98E-04	3.25E-06	1.48E-03	0.002382	9.17E-04	3.20E-06	1.65E-03	2.57E-03	8.71E-04	4.06E-06	3.16E-03	4.04E-03

5868	489092.02, 3860678.13	0.05547	0.04251	0.05215	8.51E-04	3.09E-06	1.40E-03	0.002253	8.70E-04	3.05E-06	1.56E-03	2.43E-03	8.26E-04	3.87E-06	2.99E-03	3.82E-03
5869	488992.13, 3860679.53	0.05518	0.04225	0.05173	8.47E-04	3.08E-06	1.39E-03	0.002237	8.65E-04	3.03E-06	1.54E-03	2.41E-03	8.22E-04	3.84E-06	2.96E-03	3.79E-03
5870	488892.25, 3860680.92	0.05498	0.04202	0.05142	8.44E-04	3.06E-06	1.38E-03	0.002226	8.62E-04	3.01E-06	1.53E-03	2.40E-03	8.19E-04	3.82E-06	2.95E-03	3.77E-03
5871	488792.36, 3860682.31	0.05478	0.04168	0.05111	8.41E-04	3.03E-06	1.37E-03	0.002214	8.59E-04	2.99E-06	1.52E-03	2.39E-03	8.16E-04	3.79E-06	2.93E-03	3.75E-03
5872	488692.48, 3860683.7	0.05469	0.04133	0.0509	8.39E-04	3.01E-06	1.37E-03	0.002207	8.57E-04	2.96E-06	1.52E-03	2.38E-03	8.15E-04	3.76E-06	2.92E-03	3.73E-03
5873	488592.59, 3860685.1	0.05443	0.04078	0.05047	8.35E-04	2.97E-06	1.35E-03	0.002192	8.53E-04	2.92E-06	1.51E-03	2.36E-03	8.11E-04	3.71E-06	2.89E-03	3.71E-03
5874	488492.71, 3860686.49	0.05454	0.04053	0.05041	8.37E-04	2.95E-06	1.35E-03	0.002192	8.55E-04	2.90E-06	1.50E-03	2.36E-03	8.12E-04	3.69E-06	2.89E-03	3.70E-03
5875	488299.07, 3860762.18	0.05315	0.0395	0.04886	8.16E-04	2.88E-06	1.31E-03	0.002129	8.33E-04	2.83E-06	1.46E-03	2.29E-03	7.92E-04	3.59E-06	2.80E-03	3.59E-03
5876	488205.32, 3860764.09	0.05279	0.03941	0.04831	8.10E-04	2.87E-06	1.30E-03	0.002109	8.28E-04	2.82E-06	1.44E-03	2.27E-03	7.86E-04	3.58E-06	2.77E-03	3.56E-03
5877	488111.56, 3860766	0.05231	0.03934	0.04767	8.03E-04	2.86E-06	1.28E-03	0.002084	8.20E-04	2.82E-06	1.42E-03	2.25E-03	7.79E-04	3.58E-06	2.73E-03	3.51E-03
5878	488017.81, 3860767.91	0.05185	0.0393	0.04709	7.96E-04	2.86E-06	1.26E-03	0.002061	8.13E-04	2.82E-06	1.40E-03	2.22E-03	7.72E-04	3.57E-06	2.70E-03	3.47E-03
5879	487924.06, 3860769.81	0.05152	0.03929	0.04667	7.91E-04	2.86E-06	1.25E-03	0.002045	8.08E-04	2.82E-06	1.39E-03	2.20E-03	7.67E-04	3.57E-06	2.67E-03	3.44E-03
5880	487830.31, 3860771.72	0.0513	0.03922	0.04636	7.87E-04	2.85E-06	1.24E-03	0.002033	8.04E-04	2.81E-06	1.38E-03	2.19E-03	7.64E-04	3.57E-06	2.66E-03	3.42E-03
5881	487736.55, 3860773.63	0.05118	0.03902	0.04617	7.85E-04	2.84E-06	1.24E-03	0.002027	8.02E-04	2.80E-06	1.38E-03	2.18E-03	7.62E-04	3.55E-06	2.64E-03	3.41E-03
5882	487642.8, 3860775.54	0.05125	0.03876	0.04618	7.86E-04	2.82E-06	1.24E-03	0.002028	8.04E-04	2.78E-06	1.38E-03	2.18E-03	7.63E-04	3.53E-06	2.65E-03	3.41E-03
5883	487549.48, 3860684.71	0.05369	0.03992	0.04832	8.24E-04	2.91E-06	1.30E-03	0.002123	8.42E-04	2.86E-06	1.44E-03	2.29E-03	8.00E-04	3.63E-06	2.77E-03	3.57E-03
5884	487549.91, 3860591.97	0.05593	0.04139	0.05027	8.58E-04	3.01E-06	1.35E-03	0.00221	8.77E-04	2.97E-06	1.50E-03	2.38E-03	8.33E-04	3.76E-06	2.88E-03	3.72E-03
5885	487550.34, 3860499.23	0.05863	0.04314	0.05263	9.00E-04	3.14E-06	1.41E-03	0.002314	9.19E-04	3.09E-06	1.57E-03	2.49E-03	8.73E-04	3.92E-06	3.01E-03	3.89E-03
5886	487550.76, 3860406.49	0.06166	0.04508	0.05529	9.46E-04	3.28E-06	1.48E-03	0.002432	9.67E-04	3.23E-06	1.65E-03	2.62E-03	9.19E-04	4.10E-06	3.17E-03	4.09E-03
5887	487551.19, 3860313.75	0.06475	0.04703	0.05798	9.94E-04	3.42E-06	1.56E-03	0.002552	1.02E-03	3.37E-06	1.73E-03	2.75E-03	9.65E-04	4.28E-06	3.32E-03	4.29E-03
5888	487551.62, 3860221.01	0.06822	0.04918	0.06101	1.05E-03	3.58E-06	1.64E-03	0.002687	1.07E-03	3.52E-06	1.82E-03	2.89E-03	1.02E-03	4.47E-06	3.49E-03	4.52E-03
5889	487552.05, 3860128.27	0.07243	0.05177	0.06471	1.11E-03	3.77E-06	1.74E-03	0.002851	1.14E-03	3.71E-06	1.93E-03	3.07E-03	1.08E-03	4.71E-06	3.71E-03	4.79E-03
5890	487552.48, 3860035.53	0.07691	0.05446	0.06862	1.18E-03	3.96E-06	1.84E-03	0.003025	1.21E-03	3.90E-06	2.05E-03	3.26E-03	1.15E-03	4.95E-06	3.93E-03	5.08E-03
5891	487552.91, 3859942.79	0.08122	0.0569	0.07228	1.25E-03	4.14E-06	1.94E-03	0.003189	1.27E-03	4.08E-06	2.16E-03	3.43E-03	1.21E-03	5.18E-06	4.14E-03	5.36E-03
5892	487553.33, 3859850.05	0.08679	0.06005	0.07713	1.33E-03	4.37E-06	2.07E-03	0.003405	1.36E-03	4.30E-06	2.30E-03	3.67E-03	1.29E-03	5.46E-06	4.42E-03	5.72E-03
5893	487553.76, 3859757.31	0.0925	0.06309	0.082	1.42E-03	4.59E-06	2.20E-03	0.003623	1.45E-03	4.52E-06	2.45E-03	3.90E-03	1.38E-03	5.74E-06	4.70E-03	6.08E-03
5894	487554.19, 3859664.57	0.09893	0.06635	0.08745	1.52E-03	4.83E-06	2.35E-03	0.003868	1.55E-03	4.75E-06	2.61E-03	4.16E-03	1.47E-03	6.04E-06	5.01E-03	6.49E-03
5895	487460.2, 3859571.05	0.10539	0.06969	0.09312	1.62E-03	5.07E-06	2.50E-03	0.00412	1.65E-03	4.99E-06	2.78E-03	4.44E-03	1.57E-03	6.34E-06	5.33E-03	6.91E-03
5896	487365.78, 3859570.27	0.10489	0.06913	0.093	1.61E-03	5.03E-06	2.49E-03	0.004109	1.64E-03	4.95E-06	2.77E-03	4.42E-03	1.56E-03	6.29E-06	5.33E-03	6.90E-03
5897	487271.36, 3859569.48	0.10431	0.06805	0.09272	1.60E-03	4.95E-06	2.49E-03	0.004092	1.64E-03	4.88E-06	2.77E-03	4.41E-03	1.55E-03	6.19E-06	5.31E-03	6.87E-03
5898	487176.94, 3859568.7	0.10368	0.06691	0.09234	1.59E-03	4.87E-06	2.48E-03	0.004072	1.63E-03	4.79E-06	2.75E-03	4.39E-03	1.54E-03	6.09E-06	5.29E-03	6.84E-03
5899	487082.51, 3859567.92	0.10314	0.06631	0.09202	1.58E-03	4.83E-06	2.47E-03	0.004056	1.62E-03	4.75E-06	2.75E-03	4.37E-03	1.54E-03	6.03E-06	5.27E-03	6.81E-03
5900	486988.09, 3859567.14	0.10247	0.06638	0.09155	1.57E-03	4.83E-06	2.46E-03	0.004033	1.61E-03	4.76E-06	2.73E-03	4.34E-03	1.53E-03	6.04E-06	5.24E-03	6.78E-03
5901	486893.67, 3859566.36	0.10173	0.06706	0.09104	1.56E-03	4.88E-06	2.44E-03	0.004008	1.60E-03	4.81E-06	2.72E-03	4.32E-03	1.52E-03	6.10E-06	5.22E-03	6.74E-03
5902	486799.25, 3859565.58	0.10089	0.06802	0.09043	1.55E-03	4.95E-06	2.43E-03	0.003979	1.58E-03	4.87E-06	2.70E-03	4.28E-03	1.50E-03	6.19E-06	5.18E-03	6.69E-03
5903	486704.83, 3859564.79	0.10005	0.069	0.08983	1.54E-03	5.02E-06	2.41E-03	0.00395	1.57E-03	4.94E-06	2.68E-03	4.25E-03	1.49E-03	6.28E-06	5.15E-03	6.64E-03
5904	486610.41, 3859564.01	0.09925	0.06987	0.08926	1.52E-03	5.09E-06	2.39E-03	0.003922	1.56E-03	5.01E-06	2.66E-03	4.22E-03	1.48E-03	6.36E-06	5.11E-03	6.60E-03
5905	486515.99, 3859563.23	0.09814	0.07029	0.08833	1.51E-03	5.12E-06	2.37E-03	0.00388	1.54E-03	5.04E-06	2.64E-03	4.18E-03	1.46E-03	6.39E-06	5.06E-03	6.53E-03
5906	486421.57, 3859562.45	0.09722	0.07053	0.08758	1.49E-03	5.13E-06	2.35E-03	0.003846	1.52E-03	5.05E-06	2.61E-03	4.14E-03	1.45E-03	6.42E-06	5.02E-03	6.47E-03
5907	486327.14, 3859561.67	0.09648	0.07054	0.08704	1.48E-03	5.13E-06	2.33E-03	0.00382	1.51E-03	5.05E-06	2.60E-03	4.11E-03	1.44E-03	6.42E-06	4.99E-03	6.43E-03
5908	486232.72, 3859560.89	0.09538	0.06998	0.08617	1.46E-03	5.09E-06	2.31E-03	0.00378	1.50E-03	5.01E-06	2.57E-03	4.07E-03	1.42E-03	6.37E-06	4.94E-03	6.36E-03
5909	486138.3, 3859560.1	0.09439	0.06938	0.08544	1.45E-03	5.05E-06	2.29E-03	0.003745	1.48E-03	4.97E-06	2.55E-03	4.03E-03	1.41E-03	6.31E-06	4.89E-03	6.31E-03
5910	486043.88, 3859559.32	0.09335	0.06884	0.08468	1.43E-03	5.01E-06	2.27E-03	0.003709	1.46E-03	4.93E-06	2.53E-03	3.99E-03	1.39E-03	6.26E-06	4.85E-03	6.25E-03
5911	485949.35, 3859463.54	0.09766	0.07283	0.08895	1.50E-03	5.30E-06	2.39E-03	0.00389	1.53E-03	5.22E-06	2.65E-03	4.19E-03	1.45E-03	6.62E-06	5.10E-03	6.56E-03
5912	485949.24, 3859368.55	0.10365	0.0776	0.09454	1.59E-03	5.65E-06	2.54E-03	0.004132	1.63E-03	5.56E-06	2.82E-03	4.45E-03	1.54E-03	7.06E-06	5.42E-03	6.97E-03
5913	485949.12, 3859273.55	0.11037	0.08296	0.10075	1.69E-03	6.04E-06	2.70E-03	0.004402	1.73E-03	5.94E-06	3.01E-03	4.74E-03	1.64E-03	7.55E-06	5.77E-03	7.42E-03
5914	485949.01, 3859178.56	0.1176	0.08878	0.10739	1.80E-03	6.46E-06	2.88E-03	0.004691	1.84E-03	6.36E-06	3.20E-03	5.05E-03	1.75E-03	8.08E-06	6.15E-03	7.91E-03
5915	485948.9, 3859083.56	0.12585	0.09545	0.11498	1.93E-03	6.95E-06	3.08E-03	0.005022	1.97E-03	6.84E-06	3.43E-03	5.41E-03	1.87E-03	8.68E-06	6.59E-03	8.47E-03
5916	485948.79, 3858988.56	0.13441	0.10238	0.12275	2.06E-03	7.45E-06	3.29E-03	0.005362	2.11E-03	7.34E-06	3.66E-03	5.78E-03	2.00E-03	9.31E-06	7.03E-03	9.04E-03
5917	485948.67, 3858893.57	0.14369	0.1098	0.13107	2.20E-03	7.99E-06	3.52E-03	0.005728	2.25E-03	7.87E-06	3.91E-03	6.17E-03	2.14E-03	9.99E-06	7.51E-03	9.66E-03
5918	485948.56, 3858798.57	0.15477	0.11843	0.14105	2.37E-03	8.62E-06	3.78E-03	0.006167	2.43E-03	8.49E-06	4.21E-03	6.64E-03	2.31E-03	1.08E-05	8.08E-03	1.04E-02
5919	485948.45, 3858703.58	0.16559	0.12636	0.15044	2.54E-03	9.20E-06	4.03E-03	0.006585	2.60E-03	9.05E-06	4.49E-03	7.09E-03	2.47E-03	1.15E-05	8.62E-03	1.11E-02
5920	485948.34, 3858608.58	0.17891	0.13576	0.16215	2.75E-03	9.88E-06	4.35E-03	0.007104	2.81E-03	9.73E-06	4.84E-03	7.65E-03	2.67E-03	1.23E-05	9.29E-03	1.20E-02
5921	485948.22, 3858513.59	0.19366	0.14585	0.17511	2.97E-03	1.06E-05	4.70E-03	0.007679	3.04E-03	1.05E-05	5.22E-03	8.27E-03	2.88E-03	1.33E-05	1.00E-02	1.29E-02
5922	485948.11, 3858418.59	0.20962	0.15657	0.18917	3.22E-03	1.14E-05	5.07E-03	0.008302	3.29E-03	1.12E-05	5.64E-03	8.94E-03	3.12E-03	1.42E-05	1.08E-02	1.40E-02
5923	485948, 3858323.59	0.22884	0.16947	0.20628	3.51E-03	1.23E-05	5.53E-03	0.009056	3.59E-03	1.21E-05	6.15E-03	9.75E-03	3.41E-03	1.54E-05	1.18E-02	1.52E-02
5924	485947.89, 3858228.6	0.24913	0.18379	0.22427	3.82E-03	1.34E-05	6.02E-03	0.009851	3.91E-03	1.32E-05	6.69E-03	1.06E-02	3.71E-03	1.67E-05	1.28E-02	1.66E-02

5925	485947.77, 3858133.6	0.27218	0.20275	0.24467	4.18E-03	1.48E-05	6.56E-03	0.010754	4.27E-03	1.45E-05	7.30E-03	1.16E-02	4.05E-03	1.84E-05	1.40E-02	1.81E-02
5926	485947.66, 3858038.61	0.30393	0.22998	0.27251	4.66E-03	1.67E-05	7.31E-03	0.011989	4.77E-03	1.65E-05	8.13E-03	1.29E-02	4.53E-03	2.09E-05	1.56E-02	2.02E-02
5927	485854.54, 3857943.35	0.31568	0.23839	0.28223	4.84E-03	1.74E-05	7.57E-03	0.012431	4.95E-03	1.71E-05	8.42E-03	1.34E-02	4.70E-03	2.17E-05	1.62E-02	2.09E-02
5928	485761.52, 3857943.09	0.29838	0.22306	0.26706	4.58E-03	1.62E-05	7.16E-03	0.011758	4.68E-03	1.60E-05	7.97E-03	1.27E-02	4.44E-03	2.03E-05	1.53E-02	1.98E-02
5929	485668.51, 3857942.83	0.28428	0.21017	0.25478	4.36E-03	1.53E-05	6.83E-03	0.011211	4.46E-03	1.51E-05	7.60E-03	1.21E-02	4.23E-03	1.91E-05	1.46E-02	1.88E-02
5930	485575.5, 3857942.56	0.26961	0.19668	0.24196	4.14E-03	1.43E-05	6.49E-03	0.010641	4.23E-03	1.41E-05	7.22E-03	1.15E-02	4.02E-03	1.79E-05	1.39E-02	1.79E-02
5931	485482.48, 3857942.3	0.25766	0.1846	0.23164	3.95E-03	1.34E-05	6.21E-03	0.01018	4.04E-03	1.32E-05	6.91E-03	1.10E-02	3.84E-03	1.68E-05	1.33E-02	1.71E-02
5932	485389.47, 3857942.04	0.24641	0.17281	0.22192	3.78E-03	1.26E-05	5.95E-03	0.009746	3.86E-03	1.24E-05	6.62E-03	1.05E-02	3.67E-03	1.57E-05	1.27E-02	1.64E-02
5933	485296.46, 3857941.78	0.23605	0.16193	0.21298	3.62E-03	1.18E-05	5.71E-03	0.009346	3.70E-03	1.16E-05	6.35E-03	1.01E-02	3.52E-03	1.47E-05	1.22E-02	1.57E-02
5934	485203.45, 3857941.52	0.22748	0.15305	0.20573	3.49E-03	1.11E-05	5.52E-03	0.00902	3.57E-03	1.10E-05	6.14E-03	9.72E-03	3.39E-03	1.39E-05	1.18E-02	1.52E-02
5935	485110.43, 3857941.26	0.21822	0.14462	0.19767	3.35E-03	1.05E-05	5.30E-03	0.008661	3.42E-03	1.04E-05	5.90E-03	9.33E-03	3.25E-03	1.32E-05	1.13E-02	1.46E-02
5936	485017.42, 3857940.99	0.20913	0.13726	0.18966	3.21E-03	9.99E-06	5.09E-03	0.008306	3.28E-03	9.83E-06	5.66E-03	8.95E-03	3.12E-03	1.25E-05	1.09E-02	1.40E-02
5937	484924.41, 3857940.73	0.20073	0.13112	0.18226	3.08E-03	9.54E-06	4.89E-03	0.007978	3.15E-03	9.40E-06	5.44E-03	8.59E-03	2.99E-03	1.19E-05	1.04E-02	1.34E-02
5938	484831.39, 3857940.47	0.19342	0.12615	0.17591	2.97E-03	9.18E-06	4.72E-03	0.007695	3.03E-03	9.04E-06	5.25E-03	8.29E-03	2.88E-03	1.15E-05	1.01E-02	1.30E-02
5939	484738.12, 3857859.3	0.19588	0.1242	0.17812	3.01E-03	9.04E-06	4.78E-03	0.007792	3.07E-03	8.90E-06	5.31E-03	8.39E-03	2.92E-03	1.13E-05	1.02E-02	1.31E-02
5940	484737.85, 3857778.4	0.20678	0.12787	0.18776	3.17E-03	9.31E-06	5.04E-03	0.008218	3.24E-03	9.16E-06	5.60E-03	8.85E-03	3.08E-03	1.16E-05	1.08E-02	1.38E-02
5941	484737.59, 3857697.49	0.21817	0.13169	0.19776	3.35E-03	9.59E-06	5.30E-03	0.008661	3.42E-03	9.44E-06	5.90E-03	9.33E-03	3.25E-03	1.20E-05	1.13E-02	1.46E-02
5942	484737.32, 3857616.59	0.2299	0.13528	0.2079	3.53E-03	9.85E-06	5.58E-03	0.009114	3.60E-03	9.69E-06	6.20E-03	9.82E-03	3.42E-03	1.23E-05	1.19E-02	1.53E-02
5943	484645.53, 3857535.18	0.23282	0.13529	0.21056	3.57E-03	9.85E-06	5.65E-03	0.00923	3.65E-03	9.69E-06	6.28E-03	9.94E-03	3.47E-03	1.23E-05	1.21E-02	1.55E-02
5944	484553.99, 3857534.67	0.22272	0.13112	0.20188	3.42E-03	9.54E-06	5.41E-03	0.008842	3.49E-03	9.40E-06	6.02E-03	9.52E-03	3.32E-03	1.19E-05	1.16E-02	1.49E-02
5945	484462.46, 3857534.17	0.21409	0.12722	0.19461	3.29E-03	9.26E-06	5.22E-03	0.008514	3.36E-03	9.12E-06	5.81E-03	9.17E-03	3.19E-03	1.16E-05	1.11E-02	1.43E-02
5946	484370.93, 3857533.66	0.2057	0.12304	0.18751	3.16E-03	8.96E-06	5.03E-03	0.008195	3.23E-03	8.82E-06	5.59E-03	8.83E-03	3.06E-03	1.12E-05	1.07E-02	1.38E-02
5947	484279.4, 3857533.16	0.198	0.11907	0.18103	3.04E-03	8.67E-06	4.86E-03	0.007902	3.10E-03	8.53E-06	5.40E-03	8.51E-03	2.95E-03	1.08E-05	1.04E-02	1.33E-02
5948	484187.86, 3857532.65	0.19049	0.11537	0.17464	2.92E-03	8.40E-06	4.68E-03	0.007615	2.99E-03	8.27E-06	5.21E-03	8.20E-03	2.84E-03	1.05E-05	1.00E-02	1.29E-02
5949	484096.33, 3857532.15	0.18388	0.11259	0.16907	2.82E-03	8.20E-06	4.53E-03	0.007364	2.88E-03	8.07E-06	5.04E-03	7.93E-03	2.74E-03	1.02E-05	9.69E-03	1.24E-02
5950	484004.8, 3857531.64	0.17704	0.11022	0.16312	2.72E-03	8.02E-06	4.37E-03	0.0071	2.78E-03	7.90E-06	4.87E-03	7.65E-03	2.64E-03	1.00E-05	9.34E-03	1.20E-02
5951	483913.27, 3857531.14	0.17003	0.1082	0.15687	2.61E-03	7.88E-06	4.21E-03	0.006824	2.67E-03	7.75E-06	4.68E-03	7.35E-03	2.53E-03	9.84E-06	8.99E-03	1.15E-02
5952	483821.73, 3857530.63	0.16397	0.10703	0.15152	2.52E-03	7.79E-06	4.06E-03	0.006588	2.57E-03	7.67E-06	4.52E-03	7.10E-03	2.44E-03	9.74E-06	8.68E-03	1.11E-02
5953	483729.61, 3857450.11	0.16451	0.11043	0.15222	2.52E-03	8.04E-06	4.08E-03	0.006615	2.58E-03	7.91E-06	4.54E-03	7.13E-03	2.45E-03	1.00E-05	8.72E-03	1.12E-02
5954	483729.03, 3857370.08	0.17195	0.11548	0.15918	2.64E-03	8.41E-06	4.27E-03	0.006916	2.70E-03	8.27E-06	4.75E-03	7.45E-03	2.56E-03	1.05E-05	9.12E-03	1.17E-02
5955	483728.44, 3857290.06	0.17904	0.1204	0.1657	2.75E-03	8.76E-06	4.44E-03	0.0072	2.81E-03	8.63E-06	4.94E-03	7.76E-03	2.67E-03	1.10E-05	9.49E-03	1.22E-02
5956	483727.86, 3857210.03	0.18627	0.1255	0.1723	2.86E-03	9.14E-06	4.62E-03	0.007489	2.92E-03	8.99E-06	5.14E-03	8.07E-03	2.77E-03	1.14E-05	9.87E-03	1.27E-02
5957	483641.15, 3857129.07	0.18717	0.13148	0.17348	2.87E-03	9.57E-06	4.65E-03	0.007535	2.93E-03	9.42E-06	5.18E-03	8.12E-03	2.79E-03	1.20E-05	9.94E-03	1.27E-02
5958	483555.03, 3857128.14	0.1803	0.13168	0.16747	2.77E-03	9.59E-06	4.49E-03	0.007268	2.83E-03	9.44E-06	5.00E-03	7.83E-03	2.69E-03	1.20E-05	9.59E-03	1.23E-02
5959	483468.91, 3857127.2	0.17278	0.13095	0.16071	2.65E-03	9.53E-06	4.31E-03	0.006971	2.71E-03	9.38E-06	4.79E-03	7.51E-03	2.57E-03	1.19E-05	9.21E-03	1.18E-02
5960	483382.78, 3857126.26	0.16721	0.13084	0.15601	2.57E-03	9.52E-06	4.18E-03	0.00676	2.62E-03	9.37E-06	4.65E-03	7.29E-03	2.49E-03	1.19E-05	8.94E-03	1.14E-02
5961	483296.66, 3857125.32	0.16125	0.12992	0.15085	2.47E-03	9.46E-06	4.05E-03	0.00653	2.53E-03	9.31E-06	4.50E-03	7.04E-03	2.40E-03	1.18E-05	8.64E-03	1.11E-02
5962	483210.54, 3857124.39	0.1553	0.12869	0.14567	2.38E-03	9.37E-06	3.91E-03	0.006299	2.43E-03	9.22E-06	4.35E-03	6.79E-03	2.31E-03	1.17E-05	8.34E-03	1.07E-02
5963	483123.4, 3857030.96	0.15581	0.13536	0.14665	2.39E-03	9.85E-06	3.93E-03	0.006334	2.44E-03	9.70E-06	4.37E-03	6.83E-03	2.32E-03	1.23E-05	8.40E-03	1.07E-02
5964	483122.38, 3856938.46	0.16254	0.14453	0.15315	2.49E-03	1.05E-05	4.11E-03	0.006612	2.55E-03	1.04E-05	4.57E-03	7.13E-03	2.42E-03	1.31E-05	8.77E-03	1.12E-02
5965	483121.35, 3856845.97	0.16955	0.15487	0.15996	2.60E-03	1.13E-05	4.29E-03	0.006903	2.66E-03	1.11E-05	4.77E-03	7.44E-03	2.53E-03	1.41E-05	9.16E-03	1.17E-02
5966	483120.33, 3856753.47	0.17565	0.16525	0.16575	2.70E-03	1.20E-05	4.45E-03	0.007153	2.75E-03	1.18E-05	4.94E-03	7.71E-03	2.62E-03	1.50E-05	9.49E-03	1.21E-02
5967	483119.31, 3856660.98	0.18199	0.1765	0.1718	2.79E-03	1.28E-05	4.61E-03	0.007413	2.85E-03	1.26E-05	5.13E-03	7.99E-03	2.71E-03	1.61E-05	9.84E-03	1.26E-02
5968	483118.29, 3856568.49	0.18926	0.1893	0.17884	2.90E-03	1.38E-05	4.80E-03	0.007715	2.97E-03	1.36E-05	5.34E-03	8.32E-03	2.82E-03	1.72E-05	1.02E-02	1.31E-02
5969	483117.26, 3856475.99	0.19727	0.20383	0.18668	3.03E-03	1.48E-05	5.01E-03	0.008049	3.09E-03	1.46E-05	5.57E-03	8.68E-03	2.94E-03	1.85E-05	1.07E-02	1.37E-02
5970	483116.24, 3856383.5	0.20519	0.21959	0.19442	3.15E-03	1.60E-05	5.21E-03	0.008379	3.22E-03	1.57E-05	5.80E-03	9.03E-03	3.06E-03	2.00E-05	1.11E-02	1.42E-02
5971	483115.22, 3856291.01	0.21375	0.23753	0.20284	3.28E-03	1.73E-05	5.44E-03	0.008738	3.35E-03	1.70E-05	6.05E-03	9.42E-03	3.18E-03	2.16E-05	1.16E-02	1.48E-02
5972	483114.2, 3856198.51	0.22205	0.2567	0.21094	3.41E-03	1.87E-05	5.66E-03	0.009084	3.48E-03	1.84E-05	6.29E-03	9.79E-03	3.31E-03	2.33E-05	1.21E-02	1.54E-02
5973	483113.17, 3856106.02	0.2331	0.28113	0.22207	3.58E-03	2.05E-05	5.96E-03	0.009553	3.65E-03	2.01E-05	6.62E-03	1.03E-02	3.47E-03	2.56E-05	1.27E-02	1.62E-02
5974	483112.15, 3856013.52	0.24352	0.30728	0.23238	3.74E-03	2.24E-05	6.23E-03	0.009992	3.82E-03	2.20E-05	6.93E-03	1.08E-02	3.63E-03	2.80E-05	1.33E-02	1.70E-02
5975	483029.25, 3855920.47	0.24232	0.32424	0.23323	3.72E-03	2.36E-05	6.26E-03	0.009997	3.80E-03	2.32E-05	6.96E-03	1.08E-02	3.61E-03	2.95E-05	1.34E-02	1.70E-02
5976	482947.37, 3855919.91	0.22938	0.30896	0.22203	3.52E-03	2.25E-05	5.95E-03	0.009497	3.60E-03	2.21E-05	6.62E-03	1.02E-02	3.42E-03	2.81E-05	1.27E-02	1.62E-02
5977	482865.49, 3855919.36	0.21703	0.29429	0.21107	3.33E-03	2.14E-05	5.66E-03	0.009013	3.40E-03	2.11E-05	6.30E-03	9.72E-03	3.23E-03	2.68E-05	1.21E-02	1.54E-02
5978	482783.61, 3855918.8	0.20656	0.28231	0.20187	3.17E-03	2.05E-05	5.41E-03	0.008605	3.24E-03	2.02E-05	6.02E-03	9.28E-03	3.08E-03	2.57E-05	1.16E-02	1.47E-02
5979	482700.33, 3855818.39	0.20362	0.29897	0.20066	3.12E-03	2.18E-05	5.38E-03	0.008528	3.19E-03	2.14E-05	5.99E-03	9.20E-03	3.03E-03	2.72E-05	1.15E-02	1.46E-02
5980	482698.92, 3855718.54	0.21253	0.3318	0.21065	3.26E-03	2.42E-05	5.65E-03	0.008935	3.33E-03	2.38E-05	6.28E-03	9.64E-03	3.17E-03	3.02E-05	1.21E-02	1.53E-02
5981	482697.52, 3855618.68	0.22089	0.36335	0.22027	3.39E-03	2.64E-05	5.91E-03	0.009324	3.46E-03	2.60E-05	6.57E-03	1.01E-02	3.29E-03	3.31E-05	1.26E-02	1.59E-02

5982	482696.11, 3855518.83	0.23136	0.3986	0.23269	3.55E-03	2.90E-05	6.24E-03	0.00982	3.63E-03	2.86E-05	6.94E-03	1.06E-02	3.45E-03	3.63E-05	1.33E-02	1.68E-02
5983	482694.71, 3855418.98	0.2406	0.43141	0.24417	3.69E-03	3.14E-05	6.55E-03	0.010272	3.77E-03	3.09E-05	7.28E-03	1.11E-02	3.58E-03	3.92E-05	1.40E-02	1.76E-02
5984	482693.3, 3855319.13	0.25038	0.46525	0.25701	3.84E-03	3.39E-05	6.89E-03	0.010769	3.93E-03	3.33E-05	7.67E-03	1.16E-02	3.73E-03	4.23E-05	1.47E-02	1.85E-02
5985	482691.9, 3855219.27	0.26217	0.50204	0.27305	4.02E-03	3.65E-05	7.32E-03	0.011383	4.11E-03	3.60E-05	8.15E-03	1.23E-02	3.91E-03	4.57E-05	1.56E-02	1.96E-02
5986	482690.49, 3855119.42	0.27325	0.53302	0.28884	4.19E-03	3.88E-05	7.75E-03	0.011979	4.28E-03	3.82E-05	8.62E-03	1.29E-02	4.07E-03	4.85E-05	1.65E-02	2.07E-02
5987	482689.09, 3855019.57	0.28912	0.56651	0.31236	4.44E-03	4.12E-05	8.38E-03	0.012855	4.53E-03	4.06E-05	9.32E-03	1.39E-02	4.31E-03	5.15E-05	1.79E-02	2.23E-02
5988	482687.68, 3854919.72	0.30135	0.57614	0.33399	4.62E-03	4.19E-05	8.96E-03	0.013624	4.72E-03	4.13E-05	9.96E-03	1.47E-02	4.49E-03	5.24E-05	1.91E-02	2.37E-02
5989	482686.28, 3854819.86	0.31707	0.57844	0.36146	4.87E-03	4.21E-05	9.69E-03	0.014602	4.97E-03	4.14E-05	1.08E-02	1.58E-02	4.72E-03	5.26E-05	2.07E-02	2.55E-02
5990	482684.88, 3854720.01	0.32763	0.55718	0.38361	5.03E-03	4.06E-05	1.03E-02	0.015357	5.14E-03	3.99E-05	1.14E-02	1.66E-02	4.88E-03	5.07E-05	2.20E-02	2.69E-02
5991	482683.47, 3854620.16	0.34159	0.51579	0.41124	5.24E-03	3.75E-05	1.10E-02	0.016309	5.36E-03	3.70E-05	1.23E-02	1.77E-02	5.09E-03	4.69E-05	2.36E-02	2.87E-02
5992	482682.07, 3854520.31	0.34314	0.44774	0.42433	5.27E-03	3.26E-05	1.14E-02	0.016679	5.38E-03	3.21E-05	1.27E-02	1.81E-02	5.11E-03	4.07E-05	2.43E-02	2.95E-02
5993	482680.66, 3854420.45	0.33175	0.37875	0.42325	5.09E-03	2.76E-05	1.14E-02	0.01647	5.20E-03	2.71E-05	1.26E-02	1.79E-02	4.94E-03	3.45E-05	2.42E-02	2.92E-02
5994	482679.26, 3854320.6	0.31034	0.32405	0.40962	4.76E-03	2.36E-05	1.10E-02	0.015772	4.87E-03	2.32E-05	1.22E-02	1.71E-02	4.62E-03	2.95E-05	2.35E-02	2.81E-02
5995	482677.85, 3854220.75	0.30397	0.27928	0.39539	4.66E-03	2.03E-05	1.06E-02	0.015289	4.77E-03	2.00E-05	1.18E-02	1.66E-02	4.53E-03	2.54E-05	2.26E-02	2.72E-02
5996	482676.45, 3854120.9	0.27812	0.24583	0.35374	4.27E-03	1.79E-05	9.49E-03	0.013773	4.36E-03	1.76E-05	1.06E-02	1.49E-02	4.14E-03	2.24E-05	2.03E-02	2.44E-02
5997	482675.04, 3854021.04	0.25918	0.21965	0.31044	3.98E-03	1.60E-05	8.33E-03	0.012319	4.06E-03	1.57E-05	9.26E-03	1.33E-02	3.86E-03	2.00E-05	1.78E-02	2.17E-02
5998	482673.64, 3853921.19	0.24168	0.19719	0.26154	3.71E-03	1.44E-05	7.01E-03	0.010738	3.79E-03	1.41E-05	7.80E-03	1.16E-02	3.60E-03	1.79E-05	1.50E-02	1.86E-02
5999	482672.23, 3853821.34	0.23185	0.17713	0.21569	3.56E-03	1.29E-05	5.78E-03	0.009356	3.64E-03	1.27E-05	6.43E-03	1.01E-02	3.45E-03	1.61E-05	1.24E-02	1.58E-02
6000	482670.83, 3853721.49	0.22088	0.15721	0.16627	3.39E-03	1.14E-05	4.46E-03	0.00786	3.46E-03	1.13E-05	4.96E-03	8.43E-03	3.29E-03	1.43E-05	9.52E-03	1.28E-02
6001	482669.42, 3853621.63	0.20355	0.13806	0.12467	3.12E-03	1.00E-05	3.34E-03	0.006477	3.19E-03	9.89E-06	3.72E-03	6.92E-03	3.03E-03	1.26E-05	7.14E-03	1.02E-02
6002	482645.99, 3853446.13	0.13687	0.11047	0.08811	2.10E-03	8.04E-06	2.36E-03	0.004471	2.15E-03	7.92E-06	2.63E-03	4.78E-03	2.04E-03	1.00E-05	5.05E-03	7.10E-03
6003	482623.97, 3853370.49	0.10847	0.10121	0.07939	1.66E-03	7.37E-06	2.13E-03	0.003801	1.70E-03	7.25E-06	2.37E-03	4.08E-03	1.62E-03	9.21E-06	4.55E-03	6.17E-03
6004	482601.94, 3853294.84	0.09204	0.09321	0.07252	1.41E-03	6.78E-06	1.95E-03	0.003364	1.44E-03	6.68E-06	2.16E-03	3.61E-03	1.37E-03	8.48E-06	4.15E-03	5.53E-03
6005	482531.29, 3853133.44	0.07284	0.07985	0.06182	1.12E-03	5.81E-06	1.66E-03	0.002782	1.14E-03	5.72E-06	1.84E-03	2.99E-03	1.09E-03	7.26E-06	3.54E-03	4.63E-03
6006	482482.68, 3853047.69	0.06657	0.07426	0.05758	1.02E-03	5.41E-06	1.54E-03	0.002571	1.04E-03	5.32E-06	1.72E-03	2.77E-03	9.92E-04	6.75E-06	3.30E-03	4.30E-03
6007	482383.09, 3852897.4	0.05829	0.06594	0.0514	8.94E-04	4.80E-06	1.38E-03	0.002278	9.14E-04	4.72E-06	1.53E-03	2.45E-03	8.68E-04	6.00E-06	2.94E-03	3.82E-03
6008	482265.64, 3852765.26	0.05305	0.06013	0.04738	8.14E-04	4.38E-06	1.27E-03	0.002089	8.32E-04	4.31E-06	1.41E-03	2.25E-03	7.90E-04	5.47E-06	2.71E-03	3.51E-03
6009	482199.16, 3852697.66	0.05082	0.05751	0.04564	7.80E-04	4.19E-06	1.22E-03	0.002008	7.97E-04	4.12E-06	1.36E-03	2.16E-03	7.57E-04	5.23E-06	2.61E-03	3.38E-03
6010	482132.69, 3852630.07	0.04876	0.05507	0.04401	7.48E-04	4.01E-06	1.18E-03	0.001933	7.65E-04	3.95E-06	1.31E-03	2.08E-03	7.26E-04	5.01E-06	2.52E-03	3.25E-03
6011	482066.21, 3852562.48	0.04686	0.05279	0.04246	7.19E-04	3.84E-06	1.14E-03	0.001862	7.35E-04	3.78E-06	1.27E-03	2.01E-03	6.98E-04	4.80E-06	2.43E-03	3.14E-03
6012	481999.74, 3852494.89	0.04511	0.05068	0.04098	6.92E-04	3.69E-06	1.10E-03	0.001795	7.07E-04	3.63E-06	1.22E-03	1.93E-03	6.72E-04	4.61E-06	2.35E-03	3.02E-03
6013	481933.26, 3852427.29	0.04347	0.04871	0.03957	6.67E-04	3.55E-06	1.06E-03	0.001732	6.82E-04	3.49E-06	1.18E-03	1.87E-03	6.48E-04	4.43E-06	2.27E-03	2.92E-03
6014	481866.79, 3852359.7	0.0419	0.04686	0.03826	6.43E-04	3.41E-06	1.03E-03	0.001673	6.57E-04	3.36E-06	1.14E-03	1.80E-03	6.24E-04	4.26E-06	2.19E-03	2.82E-03
6015	481800.31, 3852292.11	0.04041	0.04513	0.03698	6.20E-04	3.29E-06	9.92E-04	0.001615	6.34E-04	3.23E-06	1.10E-03	1.74E-03	6.02E-04	4.11E-06	2.12E-03	2.72E-03
6016	481733.84, 3852224.52	0.03902	0.04351	0.03578	5.99E-04	3.17E-06	9.60E-04	0.001562	6.12E-04	3.12E-06	1.07E-03	1.68E-03	5.81E-04	3.96E-06	2.05E-03	2.63E-03
6017	481667.36, 3852156.92	0.03762	0.04197	0.03463	5.77E-04	3.06E-06	9.29E-04	0.001509	5.90E-04	3.01E-06	1.03E-03	1.63E-03	5.60E-04	3.82E-06	1.98E-03	2.55E-03
6018	481600.89, 3852089.33	0.03645	0.04057	0.03357	5.59E-04	2.95E-06	9.00E-04	0.001463	5.72E-04	2.91E-06	1.00E-03	1.58E-03	5.43E-04	3.69E-06	1.92E-03	2.47E-03
6019	481534.41, 3852021.74	0.0354	0.03927	0.03258	5.43E-04	2.86E-06	8.74E-04	0.00142	5.55E-04	2.81E-06	9.72E-04	1.53E-03	5.27E-04	3.57E-06	1.87E-03	2.40E-03
6020	481467.94, 3851954.15	0.03436	0.03803	0.03163	5.27E-04	2.77E-06	8.48E-04	0.001378	5.39E-04	2.72E-06	9.44E-04	1.49E-03	5.12E-04	3.46E-06	1.81E-03	2.33E-03
6021	481401.46, 3851886.55	0.03331	0.03684	0.03072	5.11E-04	2.68E-06	8.24E-04	0.001338	5.22E-04	2.64E-06	9.16E-04	1.44E-03	4.96E-04	3.35E-06	1.76E-03	2.26E-03
6022	481265.87, 3851761.43	0.03166	0.03493	0.02922	4.86E-04	2.54E-06	7.84E-04	0.001272	4.96E-04	2.50E-06	8.72E-04	1.37E-03	4.72E-04	3.18E-06	1.67E-03	2.15E-03
6023	481196.74, 3851703.89	0.03093	0.03415	0.0286	4.75E-04	2.49E-06	7.67E-04	0.001244	4.85E-04	2.45E-06	8.53E-04	1.34E-03	4.61E-04	3.11E-06	1.64E-03	2.10E-03
6024	481076.33, 3851619.05	0.02998	0.03272	0.02781	4.60E-04	2.38E-06	7.46E-04	0.001208	4.70E-04	2.34E-06	8.30E-04	1.30E-03	4.47E-04	2.98E-06	1.59E-03	2.04E-03
6025	480939.8, 3851549.07	0.02921	0.03227	0.02729	4.48E-04	2.35E-06	7.32E-04	0.001183	4.58E-04	2.31E-06	8.14E-04	1.27E-03	4.35E-04	2.94E-06	1.56E-03	2.00E-03
6026	480854.56, 3851506.41	0.02877	0.03209	0.02698	4.41E-04	2.34E-06	7.24E-04	0.001167	4.51E-04	2.30E-06	8.05E-04	1.26E-03	4.29E-04	2.92E-06	1.55E-03	1.98E-03
6027	480769.32, 3851463.75	0.02829	0.0319	0.02677	4.34E-04	2.32E-06	7.18E-04	0.001154	4.44E-04	2.29E-06	7.99E-04	1.24E-03	4.21E-04	2.90E-06	1.53E-03	1.96E-03
6028	480684.08, 3851421.08	0.02781	0.03182	0.02649	4.27E-04	2.32E-06	7.10E-04	0.00114	4.36E-04	2.28E-06	7.90E-04	1.23E-03	4.14E-04	2.89E-06	1.52E-03	1.93E-03
6029	480598.84, 3851378.42	0.02738	0.03164	0.0262	4.20E-04	2.30E-06	7.03E-04	0.001125	4.29E-04	2.27E-06	7.82E-04	1.21E-03	4.08E-04	2.88E-06	1.50E-03	1.91E-03
6030	480435.71, 3851275.01	0.02625	0.03077	0.02536	4.03E-04	2.24E-06	6.80E-04	0.001085	4.12E-04	2.20E-06	7.57E-04	1.17E-03	3.91E-04	2.80E-06	1.45E-03	1.85E-03
6031	480347.85, 3851232.36	0.02577	0.03043	0.025	3.95E-04	2.22E-06	6.71E-04	0.001068	4.04E-04	2.18E-06	7.46E-04	1.15E-03	3.84E-04	2.77E-06	1.43E-03	1.82E-03
6032	480260, 3851189.72	0.02527	0.03	0.02461	3.88E-04	2.18E-06	6.60E-04	0.00105	3.96E-04	2.15E-06	7.34E-04	1.13E-03	3.76E-04	2.73E-06	1.41E-03	1.79E-03
6033	480172.15, 3851147.07	0.02474	0.02948	0.02417	3.80E-04	2.15E-06	6.48E-04	0.00103	3.88E-04	2.11E-06	7.21E-04	1.11E-03	3.69E-04	2.68E-06	1.38E-03	1.76E-03
6034	480084.29, 3851104.42	0.02418	0.02885	0.02369	3.71E-04	2.10E-06	6.35E-04	0.001009	3.79E-04	2.07E-06	7.07E-04	1.09E-03	3.60E-04	2.62E-06	1.36E-03	1.72E-03
6035	479996.44, 3851061.77	0.02359	0.02813	0.02315	3.62E-04	2.05E-06	6.21E-04	0.000985	3.70E-04	2.02E-06	6.91E-04	1.06E-03	3.51E-04	2.56E-06	1.33E-03	1.68E-03
6036	479908.58, 3851019.13	0.02282	0.02719	0.02249	3.50E-04	1.98E-06	6.03E-04	0.000955	3.58E-04	1.95E-06	6.71E-04	1.03E-03	3.40E-04	2.47E-06	1.29E-03	1.63E-03
6037	479820.73, 3850976.48	0.0222	0.02633	0.02185	3.41E-04	1.92E-06	5.86E-04	0.000929	3.48E-04	1.89E-06	6.52E-04	1.00E-03	3.31E-04	2.40E-06	1.25E-03	1.58E-03
6038	479732.88, 3850933.83	0.02156	0.02542	0.02117	3.31E-04	1.85E-06	5.68E-04	0.0009	3.38E-04	1.82E-06	6.32E-04	9.71E-04	3.21E-04	2.31E-06	1.21E-03	1.54E-03

6039	479645.02, 3850891.18	0.02094	0.02451	0.02049	3.21E-04	1.78E-06	5.50E-04	0.000873	3.28E-04	1.76E-06	6.11E-04	9.41E-04	3.12E-04	2.23E-06	1.17E-03	1.49E-03
6040	479557.17, 3850848.54	0.02034	0.0236	0.01982	3.12E-04	1.72E-06	5.32E-04	0.000845	3.19E-04	1.69E-06	5.91E-04	9.12E-04	3.03E-04	2.15E-06	1.14E-03	1.44E-03
6041	479469.32, 3850805.89	0.01962	0.02257	0.01906	3.01E-04	1.64E-06	5.11E-04	0.000814	3.08E-04	1.62E-06	5.69E-04	8.78E-04	2.92E-04	2.05E-06	1.09E-03	1.39E-03
6042	479381.46, 3850763.24	0.01907	0.02169	0.01841	2.93E-04	1.58E-06	4.94E-04	0.000788	2.99E-04	1.55E-06	5.49E-04	8.50E-04	2.84E-04	1.97E-06	1.05E-03	1.34E-03
6043	479293.61, 3850720.59	0.01861	0.0209	0.01781	2.86E-04	1.52E-06	4.78E-04	0.000765	2.92E-04	1.50E-06	5.31E-04	8.25E-04	2.77E-04	1.90E-06	1.02E-03	1.30E-03
6044	479205.76, 3850677.95	0.01811	0.02008	0.01719	2.78E-04	1.46E-06	4.61E-04	0.00074	2.84E-04	1.44E-06	5.13E-04	7.98E-04	2.70E-04	1.83E-06	9.85E-04	1.26E-03
6045	479117.9, 3850635.3	0.01765	0.01931	0.0166	2.71E-04	1.41E-06	4.45E-04	0.000717	2.77E-04	1.38E-06	4.95E-04	7.73E-04	2.63E-04	1.76E-06	9.51E-04	1.22E-03
6046	479030.05, 3850592.65	0.01716	0.01854	0.01601	2.63E-04	1.35E-06	4.29E-04	0.000694	2.69E-04	1.33E-06	4.78E-04	7.48E-04	2.56E-04	1.69E-06	9.17E-04	1.17E-03
6047	478942.19, 3850550	0.01647	0.01763	0.01534	2.53E-04	1.28E-06	4.11E-04	0.000665	2.58E-04	1.26E-06	4.58E-04	7.17E-04	2.45E-04	1.60E-06	8.79E-04	1.13E-03
6048	478854.34, 3850507.36	0.01544	0.01647	0.01448	2.37E-04	1.20E-06	3.88E-04	0.000626	2.42E-04	1.18E-06	4.32E-04	6.75E-04	2.30E-04	1.50E-06	8.29E-04	1.06E-03
6049	478766.49, 3850464.71	0.01472	0.01561	0.01382	2.26E-04	1.14E-06	3.71E-04	0.000598	2.31E-04	1.12E-06	4.12E-04	6.44E-04	2.19E-04	1.42E-06	7.92E-04	1.01E-03
6050	478678.63, 3850422.06	0.01412	0.0149	0.01324	2.17E-04	1.08E-06	3.55E-04	0.000573	2.21E-04	1.07E-06	3.95E-04	6.17E-04	2.10E-04	1.36E-06	7.58E-04	9.70E-04
6051	478590.78, 3850379.41	0.01351	0.01421	0.01269	2.07E-04	1.03E-06	3.40E-04	0.000549	2.12E-04	1.02E-06	3.79E-04	5.91E-04	2.01E-04	1.29E-06	7.27E-04	9.29E-04
6052	478502.93, 3850336.77	0.01304	0.01366	0.01222	2.00E-04	9.94E-07	3.28E-04	0.000529	2.04E-04	9.79E-07	3.65E-04	5.70E-04	1.94E-04	1.24E-06	7.00E-04	8.96E-04
6053	478415.07, 3850294.12	0.01264	0.01321	0.01182	1.94E-04	9.62E-07	3.17E-04	0.000512	1.98E-04	9.47E-07	3.53E-04	5.52E-04	1.88E-04	1.20E-06	6.77E-04	8.67E-04
6054	478327.22, 3850251.47	0.01216	0.01271	0.01139	1.87E-04	9.25E-07	3.05E-04	0.000493	1.91E-04	9.11E-07	3.40E-04	5.31E-04	1.81E-04	1.16E-06	6.52E-04	8.35E-04
6055	478239.36, 3850208.82	0.01176	0.0123	0.01102	1.80E-04	8.95E-07	2.96E-04	0.000477	1.84E-04	8.81E-07	3.29E-04	5.14E-04	1.75E-04	1.12E-06	6.31E-04	8.08E-04
6056	478151.51, 3850166.18	0.01143	0.01196	0.01071	1.75E-04	8.71E-07	2.87E-04	0.000464	1.79E-04	8.57E-07	3.20E-04	5.00E-04	1.70E-04	1.09E-06	6.14E-04	7.85E-04
6057	478063.66, 3850123.53	0.01113	0.01167	0.01043	1.71E-04	8.49E-07	2.80E-04	0.000451	1.75E-04	8.36E-07	3.11E-04	4.86E-04	1.66E-04	1.06E-06	5.97E-04	7.64E-04
6058	477975.8, 3850080.88	0.01126	0.01176	0.01045	1.73E-04	8.56E-07	2.80E-04	0.000454	1.77E-04	8.43E-07	3.12E-04	4.89E-04	1.68E-04	1.07E-06	5.99E-04	7.67E-04
6059	477887.95, 3850038.23	0.01113	0.01162	0.0103	1.71E-04	8.46E-07	2.76E-04	0.000448	1.75E-04	8.33E-07	3.07E-04	4.83E-04	1.66E-04	1.06E-06	5.90E-04	7.57E-04
6060	477800.1, 3849995.59	0.01108	0.01153	0.01019	1.70E-04	8.39E-07	2.73E-04	0.000444	1.74E-04	8.26E-07	3.04E-04	4.79E-04	1.65E-04	1.05E-06	5.84E-04	7.50E-04
6061	477712.24, 3849952.94	0.01092	0.01139	0.01003	1.68E-04	8.29E-07	2.69E-04	0.000437	1.71E-04	8.16E-07	2.99E-04	4.71E-04	1.63E-04	1.04E-06	5.75E-04	7.38E-04
6062	477624.39, 3849910.29	0.01078	0.01125	0.00989	1.65E-04	8.19E-07	2.65E-04	0.000431	1.69E-04	8.06E-07	2.95E-04	4.65E-04	1.61E-04	1.02E-06	5.67E-04	7.28E-04
6063	477536.54, 3849867.64	0.01067	0.01115	0.00978	1.64E-04	8.12E-07	2.62E-04	0.000427	1.67E-04	7.99E-07	2.92E-04	4.60E-04	1.59E-04	1.01E-06	5.60E-04	7.20E-04
6064	477448.68, 3849825	0.01051	0.01102	0.00964	1.61E-04	8.02E-07	2.59E-04	0.000421	1.65E-04	7.90E-07	2.88E-04	4.53E-04	1.57E-04	1.00E-06	5.52E-04	7.10E-04
6065	477360.83, 3849782.35	0.01037	0.01091	0.00953	1.59E-04	7.94E-07	2.56E-04	0.000416	1.63E-04	7.82E-07	2.84E-04	4.48E-04	1.54E-04	9.92E-07	5.46E-04	7.01E-04
6066	477272.97, 3849739.7	0.01023	0.0108	0.00942	1.57E-04	7.86E-07	2.53E-04	0.00041	1.60E-04	7.74E-07	2.81E-04	4.42E-04	1.52E-04	9.82E-07	5.40E-04	6.93E-04
6067	477185.12, 3849697.05	0.01014	0.01071	0.00933	1.56E-04	7.80E-07	2.50E-04	0.000407	1.59E-04	7.67E-07	2.78E-04	4.38E-04	1.51E-04	9.74E-07	5.34E-04	6.86E-04
6068	477097.27, 3849654.41	0.00999	0.0106	0.00923	1.53E-04	7.72E-07	2.48E-04	0.000402	1.57E-04	7.60E-07	2.75E-04	4.33E-04	1.49E-04	9.64E-07	5.29E-04	6.79E-04
6069	477009.41, 3849611.76	0.00975	0.01044	0.00908	1.50E-04	7.60E-07	2.44E-04	0.000394	1.53E-04	7.48E-07	2.71E-04	4.24E-04	1.45E-04	9.50E-07	5.20E-04	6.66E-04
6070	476841.49, 3849530.08	0.00952	0.01024	0.00891	1.46E-04	7.45E-07	2.39E-04	0.000386	1.49E-04	7.34E-07	2.66E-04	4.16E-04	1.42E-04	9.31E-07	5.10E-04	6.53E-04
6071	476761.41, 3849491.05	0.00946	0.01017	0.00885	1.45E-04	7.40E-07	2.37E-04	0.000383	1.48E-04	7.29E-07	2.64E-04	4.13E-04	1.41E-04	9.25E-07	5.07E-04	6.49E-04
6072	476681.34, 3849452.02	0.00935	0.01007	0.00877	1.43E-04	7.33E-07	2.35E-04	0.000379	1.47E-04	7.22E-07	2.62E-04	4.09E-04	1.39E-04	9.16E-07	5.02E-04	6.43E-04
6073	476601.26, 3849412.99	0.00921	0.00995	0.00867	1.41E-04	7.24E-07	2.33E-04	0.000375	1.44E-04	7.13E-07	2.59E-04	4.04E-04	1.37E-04	9.05E-07	4.97E-04	6.35E-04
6074	476456.32, 3849353.67	0.00895	0.0097	0.00848	1.37E-04	7.06E-07	2.27E-04	0.000365	1.40E-04	6.95E-07	2.53E-04	3.94E-04	1.33E-04	8.82E-07	4.86E-04	6.20E-04
6075	476305.43, 3849318.84	0.00904	0.00977	0.00855	1.39E-04	7.11E-07	2.29E-04	0.000369	1.42E-04	7.00E-07	2.55E-04	3.98E-04	1.35E-04	8.89E-07	4.90E-04	6.25E-04
6076	476129.36, 3849289.99	0.00907	0.00978	0.00859	1.39E-04	7.12E-07	2.30E-04	0.00037	1.42E-04	7.01E-07	2.56E-04	3.99E-04	1.35E-04	8.90E-07	4.92E-04	6.28E-04
6077	476039.31, 3849275.68	0.00909	0.00979	0.00861	1.39E-04	7.13E-07	2.31E-04	0.000371	1.43E-04	7.01E-07	2.57E-04	4.00E-04	1.35E-04	8.91E-07	4.93E-04	6.30E-04
6078	475949.26, 3849261.38	0.00897	0.00967	0.00853	1.38E-04	7.04E-07	2.29E-04	0.000367	1.41E-04	6.93E-07	2.54E-04	3.96E-04	1.34E-04	8.80E-07	4.89E-04	6.23E-04
6079	475859.21, 3849247.08	0.00895	0.00965	0.00852	1.37E-04	7.02E-07	2.29E-04	0.000367	1.40E-04	6.91E-07	2.54E-04	3.95E-04	1.33E-04	8.78E-07	4.88E-04	6.22E-04
6080	475769.16, 3849232.77	0.00889	0.00958	0.00849	1.36E-04	6.97E-07	2.28E-04	0.000365	1.39E-04	6.86E-07	2.53E-04	3.93E-04	1.32E-04	8.71E-07	4.86E-04	6.20E-04
6081	475585.23, 3849219.27	0.00773	0.00829	0.00751	1.19E-04	6.03E-07	2.01E-04	0.000321	1.21E-04	5.94E-07	2.24E-04	3.46E-04	1.15E-04	7.54E-07	4.30E-04	5.46E-04
6082	475444.5, 3849150.35	0.00831	0.00895	0.00802	1.28E-04	6.51E-07	2.15E-04	0.000343	1.30E-04	6.41E-07	2.39E-04	3.70E-04	1.24E-04	8.14E-07	4.59E-04	5.84E-04
6083	475334.18, 3849118.71	0.0084	0.00906	0.0081	1.29E-04	6.59E-07	2.17E-04	0.000347	1.32E-04	6.49E-07	2.42E-04	3.74E-04	1.25E-04	8.24E-07	4.64E-04	5.90E-04
6084	475230.47, 3849060.57	0.0083	0.00893	0.008	1.27E-04	6.50E-07	2.15E-04	0.000343	1.30E-04	6.40E-07	2.39E-04	3.69E-04	1.24E-04	8.12E-07	4.58E-04	5.83E-04
6085	475110.86, 3848960.97	0.00808	0.00868	0.00779	1.24E-04	6.32E-07	2.09E-04	0.000334	1.27E-04	6.22E-07	2.32E-04	3.60E-04	1.20E-04	7.90E-07	4.46E-04	5.67E-04
6086	475037.79, 3848896.28	0.00788	0.00845	0.0076	1.21E-04	6.15E-07	2.04E-04	0.000325	1.24E-04	6.05E-07	2.27E-04	3.51E-04	1.17E-04	7.69E-07	4.35E-04	5.54E-04
6087	474964.72, 3848831.59	0.00769	0.00823	0.00743	1.18E-04	5.99E-07	1.99E-04	0.000318	1.21E-04	5.90E-07	2.22E-04	3.43E-04	1.15E-04	7.49E-07	4.26E-04	5.41E-04
6088	474891.65, 3848766.9	0.00757	0.0081	0.00731	1.16E-04	5.90E-07	1.96E-04	0.000313	1.19E-04	5.80E-07	2.18E-04	3.37E-04	1.13E-04	7.37E-07	4.19E-04	5.32E-04
6089	474818.58, 3848702.22	0.00749	0.008	0.00722	1.15E-04	5.82E-07	1.94E-04	0.000309	1.17E-04	5.73E-07	2.15E-04	3.33E-04	1.12E-04	7.28E-07	4.14E-04	5.26E-04
6090	474745.51, 3848637.53	0.00755	0.00806	0.00726	1.16E-04	5.87E-07	1.95E-04	0.000311	1.18E-04	5.78E-07	2.17E-04	3.36E-04	1.12E-04	7.33E-07	4.16E-04	5.29E-04
6091	474672.44, 3848572.84	0.00751	0.008	0.00721	1.15E-04	5.82E-07	1.93E-04	0.000309	1.18E-04	5.73E-07	2.15E-04	3.33E-04	1.12E-04	7.28E-07	4.13E-04	5.26E-04
6092	474599.37, 3848508.15	0.00735	0.00782	0.00706	1.13E-04	5.69E-07	1.89E-04	0.000303	1.15E-04	5.60E-07	2.11E-04	3.26E-04	1.09E-04	7.11E-07	4.04E-04	5.15E-04
6093	474526.3, 3848443.46	0.00725	0.00771	0.00696	1.11E-04	5.61E-07	1.87E-04	0.000298	1.14E-04	5.52E-07	2.08E-04	3.22E-04	1.08E-04	7.01E-07	3.99E-04	5.07E-04

Block Swap Yard - RD

			2028	2033	2048	Residential Dose							Risk by Age Group							
Rec#	X	Y	Conc	Conc	Conc	3rd	0<2	2<9 (2028)	2<9 (2033)	9<16	16<30(2033)	16<30(2048)	3rd	0<2	2<9 (2028)	2<9 (2033)	9<16	16<30(2033)	16<30(2048)	Total Risk
1	485973.61	3854936.51	1.17E-02	1.26E-02	1.98E-02	4.05E-06	1.22E-05	7.08E-06	7.63E-06	6.92E-06	3.16E-06	4.97E-06	1.35E-07	3.27E-06	7.21E-07	1.04E-06	1.64E-06	2.90E-07	3.28E-07	7.42E-06
2	486023.61	3854936.51	1.14E-02	1.23E-02	1.93E-02	3.93E-06	1.19E-05	6.88E-06	7.41E-06	6.72E-06	3.07E-06	4.82E-06	1.31E-07	3.17E-06	7.00E-07	1.01E-06	1.60E-06	2.81E-07	3.18E-07	7.21E-06
3	486073.61	3854936.51	1.11E-02	1.20E-02	1.89E-02	3.85E-06	1.16E-05	6.73E-06	7.26E-06	6.58E-06	3.00E-06	4.72E-06	1.29E-07	3.11E-06	6.85E-07	9.85E-07	1.56E-06	2.75E-07	3.12E-07	7.05E-06
4	486123.61	3854936.51	1.07E-02	1.15E-02	1.81E-02	3.70E-06	1.12E-05	6.46E-06	6.97E-06	6.32E-06	2.88E-06	4.54E-06	1.23E-07	2.98E-06	6.58E-07	9.46E-07	1.50E-06	2.64E-07	2.99E-07	6.77E-06
5	486173.61	3854936.51	1.06E-02	1.14E-02	1.80E-02	3.66E-06	1.11E-05	6.40E-06	6.90E-06	6.25E-06	2.85E-06	4.49E-06	1.22E-07	2.95E-06	6.52E-07	9.37E-07	1.49E-06	2.62E-07	2.96E-07	6.71E-06
6	486223.61	3854936.51	1.03E-02	1.11E-02	1.75E-02	3.56E-06	1.08E-05	6.23E-06	6.71E-06	6.08E-06	2.78E-06	4.37E-06	1.19E-07	2.87E-06	6.34E-07	9.11E-07	1.45E-06	2.55E-07	2.88E-07	6.53E-06
7	486273.61	3854936.51	1.01E-02	1.09E-02	1.71E-02	3.49E-06	1.05E-05	6.09E-06	6.57E-06	5.95E-06	2.72E-06	4.28E-06	1.16E-07	2.81E-06	6.20E-07	8.92E-07	1.41E-06	2.49E-07	2.82E-07	6.39E-06
8	486323.61	3854936.51	9.88E-03	1.06E-02	1.68E-02	3.42E-06	1.03E-05	5.98E-06	6.44E-06	5.84E-06	2.66E-06	4.20E-06	1.14E-07	2.76E-06	6.08E-07	8.75E-07	1.39E-06	2.45E-07	2.77E-07	6.26E-06
9	485973.61	3854986.51	1.25E-02	1.35E-02	2.12E-02	4.32E-06	1.31E-05	7.55E-06	8.14E-06	7.38E-06	3.37E-06	5.29E-06	1.44E-07	3.49E-06	7.69E-07	1.11E-06	1.75E-06	3.09E-07	3.49E-07	7.92E-06
10	486023.61	3854986.51	1.22E-02	1.31E-02	2.06E-02	4.21E-06	1.27E-05	7.36E-06	7.93E-06	7.19E-06	3.28E-06	5.16E-06	1.41E-07	3.40E-06	7.49E-07	1.08E-06	1.71E-06	3.01E-07	3.40E-07	7.71E-06
11	486073.61	3854986.51	1.18E-02	1.27E-02	2.00E-02	4.08E-06	1.23E-05	7.14E-06	7.69E-06	6.97E-06	3.18E-06	5.00E-06	1.36E-07	3.29E-06	7.27E-07	1.04E-06	1.66E-06	2.92E-07	3.30E-07	7.48E-06
12	486123.61	3854986.51	1.15E-02	1.23E-02	1.94E-02	3.96E-06	1.20E-05	6.93E-06	7.47E-06	6.77E-06	3.09E-06	4.86E-06	1.32E-07	3.20E-06	7.06E-07	1.01E-06	1.61E-06	2.84E-07	3.21E-07	7.26E-06
13	486173.61	3854986.51	1.12E-02	1.21E-02	1.91E-02	3.89E-06	1.18E-05	6.81E-06	7.34E-06	6.65E-06	3.03E-06	4.77E-06	1.30E-07	3.14E-06	6.93E-07	9.96E-07	1.58E-06	2.78E-07	3.15E-07	7.13E-06
14	486223.61	3854986.51	1.09E-02	1.18E-02	1.85E-02	3.78E-06	1.14E-05	6.61E-06	7.12E-06	6.46E-06	2.95E-06	4.64E-06	1.26E-07	3.05E-06	6.73E-07	9.67E-07	1.53E-06	2.70E-07	3.06E-07	6.92E-06
15	486273.61	3854986.51	1.06E-02	1.14E-02	1.80E-02	3.66E-06	1.11E-05	6.40E-06	6.90E-06	6.25E-06	2.85E-06	4.49E-06	1.22E-07	2.95E-06	6.52E-07	9.37E-07	1.49E-06	2.62E-07	2.96E-07	6.71E-06
16	486323.61	3854986.51	1.05E-02	1.13E-02	1.78E-02	3.64E-06	1.10E-05	6.36E-06	6.86E-06	6.22E-06	2.84E-06	4.47E-06	1.22E-07	2.94E-06	6.48E-07	9.31E-07	1.48E-06	2.60E-07	2.95E-07	6.67E-06
17	485973.61	3855036.51	1.33E-02	1.44E-02	2.26E-02	4.62E-06	1.40E-05	8.08E-06	8.70E-06	7.89E-06	3.60E-06	5.66E-06	1.54E-07	3.73E-06	8.22E-07	1.18E-06	1.87E-06	3.30E-07	3.73E-07	8.46E-06
18	486023.61	3855036.51	1.30E-02	1.40E-02	2.19E-02	4.48E-06	1.35E-05	7.84E-06	8.45E-06	7.66E-06	3.49E-06	5.49E-06	1.50E-07	3.62E-06	7.98E-07	1.15E-06	1.82E-06	3.21E-07	3.62E-07	8.21E-06
19	486073.61	3855036.51	1.25E-02	1.35E-02	2.12E-02	4.32E-06	1.31E-05	7.56E-06	8.14E-06	7.38E-06	3.37E-06	5.29E-06	1.44E-07	3.49E-06	7.69E-07	1.11E-06	1.75E-06	3.09E-07	3.49E-07	7.92E-06
20	486123.61	3855036.51	1.21E-02	1.31E-02	2.06E-02	4.20E-06	1.27E-05	7.34E-06	7.91E-06	7.17E-06	3.27E-06	5.15E-06	1.40E-07	3.39E-06	7.48E-07	1.07E-06	1.70E-06	3.00E-07	3.39E-07	7.69E-06
21	486173.61	3855036.51	1.19E-02	1.28E-02	2.02E-02	4.12E-06	1.25E-05	7.21E-06	7.77E-06	7.04E-06	3.21E-06	5.06E-06	1.38E-07	3.33E-06	7.34E-07	1.06E-06	1.67E-06	2.95E-07	3.33E-07	7.56E-06
22	486223.61	3855036.51	1.15E-02	1.24E-02	1.95E-02	3.98E-06	1.20E-05	6.96E-06	7.51E-06	6.80E-06	3.10E-06	4.88E-06	1.33E-07	3.21E-06	7.09E-07	1.02E-06	1.62E-06	2.85E-07	3.22E-07	7.30E-06
23	486273.61	3855036.51	1.13E-02	1.22E-02	1.92E-02	3.93E-06	1.19E-05	6.86E-06	7.40E-06	6.71E-06	3.06E-06	4.82E-06	1.31E-07	3.17E-06	6.99E-07	1.00E-06	1.59E-06	2.81E-07	3.18E-07	7.19E-06
24	486323.61	3855036.51	1.10E-02	1.19E-02	1.87E-02	3.82E-06	1.15E-05	6.68E-06	7.20E-06	6.53E-06	2.98E-06	4.69E-06	1.28E-07	3.08E-06	6.81E-07	9.78E-07	1.55E-06	2.73E-07	3.09E-07	7.01E-06
25	485973.61	3855086.51	1.42E-02	1.53E-02	2.40E-02	4.91E-06	1.48E-05	8.59E-06	9.25E-06	8.39E-06	3.83E-06	6.01E-06	1.64E-07	3.96E-06	8.75E-07	1.26E-06	1.99E-06	3.51E-07	3.96E-07	9.00E-06
26	486023.61	3855086.51	1.38E-02	1.49E-02	2.34E-02	4.79E-06	1.45E-05	8.37E-06	9.02E-06	8.18E-06	3.73E-06	5.86E-06	1.60E-07	3.86E-06	8.52E-07	1.22E-06	1.94E-06	3.42E-07	3.86E-07	8.77E-06
27	486073.61	3855086.51	1.33E-02	1.43E-02	2.25E-02	4.61E-06	1.39E-05	8.05E-06	8.68E-06	7.86E-06	3.59E-06	5.64E-06	1.54E-07	3.71E-06	8.20E-07	1.18E-06	1.87E-06	3.29E-07	3.72E-07	8.44E-06
28	486123.61	3855086.51	1.30E-02	1.40E-02	2.20E-02	4.50E-06	1.36E-05	7.86E-06	8.47E-06	7.68E-06	3.50E-06	5.51E-06	1.50E-07	3.63E-06	8.00E-07	1.15E-06	1.82E-06	3.21E-07	3.63E-07	8.23E-06
29	486173.61	3855086.51	1.25E-02	1.35E-02	2.13E-02	4.34E-06	1.31E-05	7.59E-06	8.18E-06	7.42E-06	3.38E-06	5.32E-06	1.45E-07	3.50E-06	7.73E-07	1.11E-06	1.76E-06	3.11E-07	3.51E-07	7.96E-06
30	486223.61	3855086.51	1.23E-02	1.32E-02	2.08E-02	4.24E-06	1.28E-05	7.41E-06	7.99E-06	7.24E-06	3.31E-06	5.20E-06	1.42E-07	3.42E-06	7.55E-07	1.08E-06	1.72E-06	3.03E-07	3.43E-07	7.77E-06
31	485973.61	3855136.51	1.52E-02	1.64E-02	2.57E-02	5.26E-06	1.59E-05	9.19E-06	9.91E-06	8.98E-06	4.10E-06	6.43E-06	1.76E-07	4.24E-06	9.36E-07	1.34E-06	2.13E-06	3.76E-07	4.24E-07	9.63E-06
32	486023.61	3855136.51	1.47E-02	1.58E-02	2.49E-02	5.09E-06	1.54E-05	8.90E-06	9.59E-06	8.69E-06	3.97E-06	6.23E-06	1.70E-07	4.11E-06	9.06E-07	1.30E-06	2.06E-06	3.64E-07	4.11E-07	9.32E-06
33	486073.61	3855136.51	1.42E-02	1.53E-02	2.41E-02	4.92E-06	1.49E-05	8.60E-06	9.27E-06	8.40E-06	3.83E-06	6.02E-06	1.64E-07	3.97E-06	8.76E-07	1.26E-06	2.00E-06	3.52E-07	3.97E-07	9.01E-06
34	486123.61	3855136.51	1.38E-02	1.49E-02	2.34E-02	4.78E-06	1.44E-05	8.35E-06	9.00E-06	8.16E-06	3.72E-06	5.85E-06	1.59E-07	3.85E-06	8.50E-07	1.22E-06	1.94E-06	3.42E-07	3.86E-07	8.75E-06
35	486173.61	3855136.51	1.34E-02	1.44E-02	2.26E-02	4.62E-06	1.40E-05	8.08E-06	8.71E-06	7.90E-06	3.60E-06	5.66E-06	1.54E-07	3.73E-06	8.23E-07	1.18E-06	1.88E-06	3.31E-07	3.74E-07	8.47E-06
36	486223.61	3855136.51	1.30E-02	1.40E-02	2.20E-02	4.49E-06	1.36E-05	7.85E-06	8.46E-06	7.67E-06	3.50E-06	5.50E-06	1.50E-07	3.62E-06	8.00E-07	1.15E-06	1.82E-06	3.21E-07	3.63E-07	8.23E-06
37	485973.61	3855186.51	1.62E-02	1.75E-02	2.75E-02	5.62E-06	1.70E-05	9.82E-06	1.06E-05	9.60E-06	4.38E-06	6.87E-06	1.88E-07	4.53E-06	1.00E-06	1.44E-06	2.28E-06	4.02E-07	4.53E-07	1.03E-05
38	486023.61	3855186.51	1.57E-02	1.69E-02	2.66E-02	5.44E-06	1.64E-05	9.51E-06	1.03E-05	9.29E-06	4.24E-06	6.66E-06	1.82E-07	4.39E-06	9.69E-07	1.39E-06	2.21E-06	3.89E-07	4.39E-07	9.97E-06
39	486073.61	3855186.51	1.51E-02	1.63E-02	2.56E-02	5.23E-06	1.58E-05	9.14E-06	9.85E-06	8.93E-06	4.07E-06	6.40E-06	1.75E-07	4.22E-06	9.31E-07	1.34E-06	2.12E-06	3.74E-07	4.22E-07	9.58E-06
40	486123.61	3855186.51	1.45E-02	1.57E-02	2.46E-02	5.03E-06	1.52E-05	8.80E-06	9.48E-06	8.59E-06	3.92E-06	6.16E-06	1.68E-07	4.06E-06	8.96E-07	1.29E-06	2.04E-06	3.60E-07	4.06E-07	9.22E-06
41	486173.61	3855186.51	1.41E-02	1.52E-02	2.39E-02	4.88E-06	1.47E-05	8.53E-06	9.20E-06	8.34E-06	3.80E-06	5.98E-06	1.63E-07	3.94E-06	8.69E-07	1.25E-06	1.98E-06	3.49E-07	3.94E-07	8.94E-06
42	486223.61	3855186.51	1.37E-02	1.48E-02	2.32E-02	4.74E-06	1.43E-05	8.28E-06	8.93E-06	8.09E-06	3.69E-06	5.80E-06	1.58E-07	3.82E-06	8.43E-07	1.21E-06	1.92E-06	3.39E-07	3.83E-07	8.68E-06
43	486273.61	3855186.51	1.33E-02	1.43E-02	2.25E-02	4.59E-06	1.39E-05	8.03E-06	8.65E-06	7.84E-06	3.58E-06	5.63E-06	1.53E-07	3.70E-06	8.17E-07	1.17E-06	1.86E-06	3.28E-07	3.71E-07	8.41E-06
44	486323.61	3855186.51	1.32E-02	1.42E-02	2.24E-02	4.57E-06	1.38E-05	7.99E-06	8.61E-06	7.81E-06	3.56E-06	5.60E-06	1.53E-07	3.69E-06	8.14E-07	1.17E-06	1.86E-06	3.27E-07	3.70E-07	8.38E-06
45	485973.61	3855236.51	1.73E-02	1.86E-02	2.92E-02	5.98E-06	1.81E-05	1.05E-05	1.13E-05	1.02E-05	4.66E-06	7.32E-06	2.00E-07	4.83E-06	1.06E-06	1.53E-06	2.43E-06	4.28E-07	4.83E-07	1.10E-05
46	486023.61	3855236.51	1.66E-02	1.79E-02	2.81E-02	5.75E-06	1.73E-05	1.00E-05	1.08E-05	9.81E-06	4.48E-06	7.03E-06	1.92E-07	4.63E-06	1.02E-06	1.47E-06	2.33E-06	4.11E-07	4.64E-07	1.05E-05
47	486073.61	3855236.51	1.59E-02	1.72E-02	2.69E-02	5.51E-06	1.66E-05	9.63E-06	1.04E-05	9.41E-06	4.29E-06	6.74E-06	1.84E-07	4.44E-06	9.81E-07	1.41E-06	2.24E-06	3.94E-07	4.45E-07	1.01E-05
48	486123.61	3855236.51	1.54E-02	1.66E-02	2.61E-02	5.33E-06	1.61E-05	9.31E-06	1.00E-05	9.10E-06	4.15E-06	6.52E-06	1.78E-07	4.30E-06	9.48E-07	1.36E-06	2.16E-06	3.81E-07	4.30E-07	9.76E-06
49	486173.61	3855236.51	1.49E-02	1.61E-02	2.53E-02	5.16E-06	1.56E-05	9.02E-06	9.73E-06	8.82E-06	4.02E-06	6.32E-06	1.72E-07	4.16E-06	9.19E-07	1.32E-06	2.09E-06	3.69E-07	4.17E-07	9.46E-06
50	486223.61	3855236.51	1.44E-02	1.56E-02	2.44E-02	5.00E-06	1.51E-05	8.73E-06	9.41E-06	8.53E-06	3.89E-06	6.12E-06	1.67E-07	4.03E-06	8.89E-07	1.28E-06	2.03E-06	3.57E-07	4.04E-07	9.15E-06
51	486273.61	3855236.51	1.38E-02	1.49E-02	2.34E-02	4.78E-06	1.44E-05	8.36E-06	9.01E-06	8.16E-06	3.73E-06	5.86E-06	1.60E-07	3.86E-06	8.51E-07	1.22E-06	1.94E-06	3.42E-07	3.86E-07	8.76E-06
52	486323.61	3855236.51	1.39E-02	1.50E-02	2.36E-02	4.82E-06	1.45E-05	8.42E-06	9.07E-06	8.22E-06	3.75E-06	5.90E-06	1.61E-07	3.88E-06	8.57E-07	1.23E-06	1.95E-06	3.44E-07	3.89E-07	8.82E-06

53	485973.61	3855286.51	1.83E-02	1.98E-02	3.10E-02	6.35E-06	1.92E-05	1.11E-05	1.20E-05	1.08E-05	4.95E-06	7.77E-06	2.12E-07	5.12E-06	1.13E-06	1.62E-06	2.58E-06	4.54E-07	5.12E-07	1.16E-05
54	486023.61	3855286.51	1.76E-02	1.89E-02	2.97E-02	6.08E-06	1.83E-05	1.06E-05	1.14E-05	1.04E-05	4.73E-06	7.43E-06	2.03E-07	4.90E-06	1.08E-06	1.55E-06	2.47E-06	4.34E-07	4.90E-07	1.11E-05
55	486073.61	3855286.51	1.69E-02	1.82E-02	2.86E-02	5.85E-06	1.77E-05	1.02E-05	1.10E-05	9.98E-06	4.55E-06	7.15E-06	1.95E-07	4.72E-06	1.04E-06	1.50E-06	2.37E-06	4.18E-07	4.72E-07	1.07E-05
56	486123.61	3855286.51	1.62E-02	1.75E-02	2.75E-02	5.62E-06	1.70E-05	9.82E-06	1.06E-05	9.59E-06	4.38E-06	6.87E-06	1.88E-07	4.53E-06	1.00E-06	1.44E-06	2.28E-06	4.02E-07	4.53E-07	1.03E-05
57	486173.61	3855286.51	1.56E-02	1.69E-02	2.65E-02	5.41E-06	1.63E-05	9.46E-06	1.02E-05	9.25E-06	4.22E-06	6.63E-06	1.81E-07	4.37E-06	9.64E-07	1.38E-06	2.20E-06	3.87E-07	4.37E-07	9.92E-06
58	486223.61	3855286.51	1.52E-02	1.64E-02	2.57E-02	5.26E-06	1.59E-05	9.19E-06	9.91E-06	8.98E-06	4.10E-06	6.44E-06	1.76E-07	4.24E-06	9.36E-07	1.35E-06	2.13E-06	3.76E-07	4.25E-07	9.64E-06
59	486123.61	3855336.51	1.71E-02	1.84E-02	2.89E-02	5.91E-06	1.78E-05	1.03E-05	1.11E-05	1.01E-05	4.60E-06	7.23E-06	1.97E-07	4.77E-06	1.05E-06	1.51E-06	2.40E-06	4.23E-07	4.77E-07	1.08E-05
60	486173.61	3855336.51	1.65E-02	1.78E-02	2.80E-02	5.72E-06	1.73E-05	1.00E-05	1.08E-05	9.77E-06	4.46E-06	7.01E-06	1.91E-07	4.61E-06	1.02E-06	1.46E-06	2.32E-06	4.09E-07	4.62E-07	1.05E-05
61	486223.61	3855336.51	1.60E-02	1.72E-02	2.71E-02	5.53E-06	1.67E-05	9.67E-06	1.04E-05	9.44E-06	4.31E-06	6.77E-06	1.85E-07	4.46E-06	9.84E-07	1.41E-06	2.24E-06	3.95E-07	4.47E-07	1.01E-05
62	486123.61	3855386.51	1.80E-02	1.94E-02	3.05E-02	6.23E-06	1.88E-05	1.09E-05	1.17E-05	1.06E-05	4.85E-06	7.63E-06	2.08E-07	5.02E-06	1.11E-06	1.59E-06	2.53E-06	4.45E-07	5.03E-07	1.14E-05
63	486173.61	3855386.51	1.74E-02	1.87E-02	2.95E-02	6.02E-06	1.82E-05	1.05E-05	1.13E-05	1.03E-05	4.69E-06	7.38E-06	2.01E-07	4.86E-06	1.07E-06	1.54E-06	2.44E-06	4.31E-07	4.87E-07	1.10E-05
64	486223.61	3855386.51	1.69E-02	1.82E-02	2.86E-02	5.84E-06	1.76E-05	1.02E-05	1.10E-05	9.97E-06	4.55E-06	7.15E-06	1.95E-07	4.71E-06	1.04E-06	1.49E-06	2.37E-06	4.17E-07	4.72E-07	1.07E-05
65	486533.18	3855443.15	1.52E-02	1.63E-02	2.58E-02	5.25E-06	1.58E-05	9.17E-06	9.89E-06	8.96E-06	4.09E-06	6.44E-06	1.75E-07	4.23E-06	9.34E-07	1.34E-06	2.13E-06	3.75E-07	4.25E-07	9.61E-06
66	486583.18	3855443.15	1.47E-02	1.59E-02	2.51E-02	5.11E-06	1.54E-05	8.92E-06	9.62E-06	8.72E-06	3.98E-06	6.27E-06	1.70E-07	4.12E-06	9.09E-07	1.31E-06	2.07E-06	3.65E-07	4.14E-07	9.36E-06
67	486633.18	3855443.15	1.44E-02	1.55E-02	2.44E-02	4.97E-06	1.50E-05	8.69E-06	9.37E-06	8.49E-06	3.88E-06	6.11E-06	1.66E-07	4.01E-06	8.85E-07	1.27E-06	2.02E-06	3.56E-07	4.03E-07	9.11E-06
68	486683.18	3855443.15	1.41E-02	1.52E-02	2.40E-02	4.88E-06	1.47E-05	8.52E-06	9.19E-06	8.33E-06	3.80E-06	5.99E-06	1.63E-07	3.93E-06	8.68E-07	1.25E-06	1.98E-06	3.49E-07	3.95E-07	8.94E-06
69	486533.18	3855493.15	1.58E-02	1.71E-02	2.69E-02	5.48E-06	1.65E-05	9.58E-06	1.03E-05	9.36E-06	4.27E-06	6.74E-06	1.83E-07	4.42E-06	9.76E-07	1.40E-06	2.22E-06	3.92E-07	4.44E-07	1.00E-05
70	486583.18	3855493.15	1.54E-02	1.66E-02	2.62E-02	5.34E-06	1.61E-05	9.34E-06	1.01E-05	9.13E-06	4.17E-06	6.57E-06	1.78E-07	4.31E-06	9.51E-07	1.37E-06	2.17E-06	3.82E-07	4.33E-07	9.79E-06
71	486633.18	3855493.15	1.50E-02	1.62E-02	2.56E-02	5.20E-06	1.57E-05	9.10E-06	9.81E-06	8.89E-06	4.06E-06	6.40E-06	1.74E-07	4.20E-06	9.26E-07	1.33E-06	2.11E-06	3.72E-07	4.22E-07	9.54E-06
72	486683.18	3855493.15	1.47E-02	1.58E-02	2.49E-02	5.07E-06	1.53E-05	8.87E-06	9.56E-06	8.67E-06	3.96E-06	6.24E-06	1.69E-07	4.09E-06	9.03E-07	1.30E-06	2.06E-06	3.63E-07	4.12E-07	9.30E-06
73	486533.18	3855543.15	1.66E-02	1.79E-02	2.82E-02	5.74E-06	1.73E-05	1.00E-05	1.08E-05	9.82E-06	4.48E-06	7.07E-06	1.92E-07	4.63E-06	1.02E-06	1.47E-06	2.33E-06	4.11E-07	4.66E-07	1.05E-05
74	486583.18	3855543.15	1.60E-02	1.73E-02	2.73E-02	5.55E-06	1.68E-05	9.71E-06	1.05E-05	9.49E-06	4.33E-06	6.83E-06	1.85E-07	4.48E-06	9.89E-07	1.42E-06	2.25E-06	3.97E-07	4.51E-07	1.02E-05
75	486633.18	3855543.15	1.56E-02	1.69E-02	2.66E-02	5.42E-06	1.64E-05	9.47E-06	1.02E-05	9.26E-06	4.22E-06	6.67E-06	1.81E-07	4.37E-06	9.64E-07	1.39E-06	2.20E-06	3.88E-07	4.40E-07	9.93E-06
76	486683.18	3855543.15	1.51E-02	1.63E-02	2.58E-02	5.24E-06	1.58E-05	9.16E-06	9.88E-06	8.95E-06	4.09E-06	6.45E-06	1.75E-07	4.23E-06	9.33E-07	1.34E-06	2.13E-06	3.75E-07	4.25E-07	9.60E-06
77	486533.18	3855593.15	1.73E-02	1.87E-02	2.95E-02	5.99E-06	1.81E-05	1.05E-05	1.13E-05	1.02E-05	4.67E-06	7.37E-06	2.00E-07	4.83E-06	1.07E-06	1.53E-06	2.43E-06	4.29E-07	4.86E-07	1.10E-05
78	486583.18	3855593.15	1.68E-02	1.81E-02	2.85E-02	5.80E-06	1.75E-05	1.01E-05	1.09E-05	9.92E-06	4.53E-06	7.15E-06	1.94E-07	4.68E-06	1.03E-06	1.49E-06	2.36E-06	4.15E-07	4.71E-07	1.06E-05
79	486633.18	3855593.15	1.63E-02	1.76E-02	2.77E-02	5.64E-06	1.70E-05	9.86E-06	1.06E-05	9.64E-06	4.40E-06	6.94E-06	1.88E-07	4.55E-06	1.00E-06	1.44E-06	2.29E-06	4.04E-07	4.58E-07	1.03E-05
80	486683.18	3855593.15	1.59E-02	1.72E-02	2.71E-02	5.51E-06	1.66E-05	9.62E-06	1.04E-05	9.41E-06	4.29E-06	6.78E-06	1.84E-07	4.44E-06	9.80E-07	1.41E-06	2.24E-06	3.94E-07	4.47E-07	1.01E-05
81	486533.18	3855643.15	1.81E-02	1.95E-02	3.08E-02	6.25E-06	1.89E-05	1.09E-05	1.18E-05	1.07E-05	4.88E-06	7.70E-06	2.09E-07	5.04E-06	1.11E-06	1.60E-06	2.54E-06	4.47E-07	5.08E-07	1.15E-05
82	486583.18	3855643.15	1.75E-02	1.89E-02	2.99E-02	6.07E-06	1.83E-05	1.06E-05	1.14E-05	1.04E-05	4.73E-06	7.47E-06	2.03E-07	4.89E-06	1.08E-06	1.55E-06	2.46E-06	4.34E-07	4.93E-07	1.11E-05
83	486633.18	3855643.15	1.70E-02	1.83E-02	2.90E-02	5.89E-06	1.78E-05	1.03E-05	1.11E-05	1.01E-05	4.59E-06	7.26E-06	1.97E-07	4.75E-06	1.05E-06	1.51E-06	2.39E-06	4.21E-07	4.79E-07	1.08E-05
84	486683.18	3855643.15	1.66E-02	1.79E-02	2.82E-02	5.73E-06	1.73E-05	1.00E-05	1.08E-05	9.80E-06	4.47E-06	7.06E-06	1.91E-07	4.62E-06	1.02E-06	1.47E-06	2.33E-06	4.10E-07	4.66E-07	1.05E-05
85	486533.18	3855693.15	1.89E-02	2.04E-02	3.23E-02	6.56E-06	1.98E-05	1.15E-05	1.24E-05	1.12E-05	5.12E-06	8.09E-06	2.19E-07	5.29E-06	1.17E-06	1.68E-06	2.66E-06	4.69E-07	5.33E-07	1.20E-05
86	486583.18	3855693.15	1.82E-02	1.97E-02	3.11E-02	6.31E-06	1.91E-05	1.10E-05	1.19E-05	1.08E-05	4.92E-06	7.78E-06	2.11E-07	5.09E-06	1.12E-06	1.62E-06	2.56E-06	4.52E-07	5.13E-07	1.16E-05
87	486633.18	3855693.15	1.75E-02	1.89E-02	2.99E-02	6.07E-06	1.83E-05	1.06E-05	1.15E-05	1.04E-05	4.74E-06	7.49E-06	2.03E-07	4.90E-06	1.08E-06	1.55E-06	2.47E-06	4.35E-07	4.94E-07	1.11E-05
88	486683.18	3855693.15	1.72E-02	1.86E-02	2.94E-02	5.96E-06	1.80E-05	1.04E-05	1.12E-05	1.02E-05	4.65E-06	7.35E-06	1.99E-07	4.81E-06	1.06E-06	1.53E-06	2.42E-06	4.27E-07	4.85E-07	1.09E-05
89	486733.18	3855693.15	1.71E-02	1.84E-02	2.91E-02	5.90E-06	1.78E-05	1.03E-05	1.11E-05	1.01E-05	4.60E-06	7.28E-06	1.97E-07	4.76E-06	1.05E-06	1.51E-06	2.40E-06	4.22E-07	4.80E-07	1.08E-05
90	486783.18	3855693.15	1.70E-02	1.83E-02	2.89E-02	5.87E-06	1.77E-05	1.03E-05	1.11E-05	1.00E-05	4.58E-06	7.24E-06	1.96E-07	4.73E-06	1.04E-06	1.50E-06	2.38E-06	4.20E-07	4.78E-07	1.08E-05
91	486533.18	3855743.15	1.98E-02	2.13E-02	3.37E-02	6.84E-06	2.07E-05	1.20E-05	1.29E-05	1.17E-05	5.34E-06	8.44E-06	2.28E-07	5.52E-06	1.22E-06	1.75E-06	2.78E-06	4.90E-07	5.57E-07	1.25E-05
92	486583.18	3855743.15	1.89E-02	2.04E-02	3.22E-02	6.54E-06	1.97E-05	1.14E-05	1.23E-05	1.12E-05	5.10E-06	8.07E-06	2.18E-07	5.27E-06	1.16E-06	1.67E-06	2.65E-06	4.68E-07	5.32E-07	1.20E-05
93	486633.18	3855743.15	1.83E-02	1.97E-02	3.12E-02	6.33E-06	1.91E-05	1.11E-05	1.19E-05	1.08E-05	4.93E-06	7.81E-06	2.11E-07	5.10E-06	1.13E-06	1.62E-06	2.57E-06	4.53E-07	5.15E-07	1.16E-05
94	486683.18	3855743.15	1.80E-02	1.95E-02	3.08E-02	6.24E-06	1.88E-05	1.09E-05	1.18E-05	1.07E-05	4.87E-06	7.70E-06	2.08E-07	5.03E-06	1.11E-06	1.60E-06	2.54E-06	4.47E-07	5.08E-07	1.14E-05
95	486733.18	3855743.15	1.77E-02	1.91E-02	3.02E-02	6.12E-06	1.85E-05	1.07E-05	1.15E-05	1.05E-05	4.77E-06	7.56E-06	2.04E-07	4.94E-06	1.09E-06	1.57E-06	2.49E-06	4.38E-07	4.98E-07	1.12E-05
96	486783.18	3855743.15	1.77E-02	1.91E-02	3.02E-02	6.12E-06	1.85E-05	1.07E-05	1.15E-05	1.05E-05	4.77E-06	7.55E-06	2.04E-07	4.93E-06	1.09E-06	1.57E-06	2.48E-06	4.38E-07	4.98E-07	1.12E-05
97	486533.18	3855793.15	2.06E-02	2.23E-02	3.52E-02	7.14E-06	2.16E-05	1.25E-05	1.35E-05	1.22E-05	5.57E-06	8.82E-06	2.38E-07	5.76E-06	1.27E-06	1.83E-06	2.90E-06	5.11E-07	5.82E-07	1.31E-05
98	486583.18	3855793.15	1.95E-02	2.10E-02	3.33E-02	6.74E-06	2.04E-05	1.18E-05	1.27E-05	1.15E-05	5.26E-06	8.33E-06	2.25E-07	5.44E-06	1.20E-06	1.73E-06	2.74E-06	4.83E-07	5.49E-07	1.24E-05
99	486633.18	3855793.15	1.92E-02	2.07E-02	3.28E-02	6.64E-06	2.00E-05	1.16E-05	1.25E-05	1.14E-05	5.18E-06	8.20E-06	2.22E-07	5.36E-06	1.18E-06	1.70E-06	2.70E-06	4.75E-07	5.41E-07	1.22E-05
100	486683.18	3855793.15	1.89E-02	2.04E-02	3.24E-02	6.55E-06	1.98E-05	1.15E-05	1.24E-05	1.12E-05	5.11E-06	8.10E-06	2.19E-07	5.29E-06	1.17E-06	1.68E-06	2.66E-06	4.69E-07	5.34E-07	1.20E-05
101	486733.18	3855793.15	1.86E-02	2.01E-02	3.18E-02	6.44E-06	1.94E-05	1.13E-05	1.21E-05	1.10E-05	5.03E-06	7.96E-06	2.15E-07	5.20E-06	1.15E-06	1.65E-06	2.62E-06	4.61E-07	5.25E-07	1.18E-05
102	486783.18	3855793.15	1.84E-02	1.98E-02	3.14E-02	6.35E-06	1.92E-05	1.11E-05	1.20E-05	1.09E-05	4.96E-06	7.85E-06	2.12E-07	5.12E-06	1.13E-06	1.63E-06	2.58E-06	4.55E-07	5.18E-07	1.16E-05
103	486533.18	3855843.15	2.13E-02	2.30E-02	3.64E-02	7.37E-06	2.23E-05	1.29E-05	1.39E-05	1.26E-05	5.75E-06	9.12E-06	2.46E-07	5.95E-06	1.31E-06	1.89E-06	3.00E-06	5.28E-07	6.01E-07	1.35E-05
104	486583.18	3855843.15	2.03E-02	2.20E-02	3.48E-02	7.04E-06	2.13E-05	1.23E-05	1.33E-05	1.20E-05	5.49E-06	8.70E-06	2.35E-07	5.68E-06	1.25E-06	1.80E-06	2.86E-06	5.04E-07	5.74E-07	1.29E-05
105	486633.18	3855843.15	2.00E-02	2.16E-02	3.43E-02	6.94E-06	2.09E-05	1.21E-05	1.31E-05	1.19E-05	5.41E-06	8.58E-06	2.32E-07	5.60E-06	1.23E-06	1.78E-06	2.82E-06	4.97E-07	5.66E-07	1.27E-05
106	486683.18	3855843.15	1.98E-02	2.13E-02	3.38E-02	6.84E-06	2.07E-05	1.20E-05	1.29E-05	1.17E-05	5.34E-06	8.46E-06	2.28E-07	5.52E-06	1.22E-06	1.75E-06	2.78E-06	4.90E-07	5.58E-07	1.25E-05
107	486733.18	3855843.15	1.95E-02	2.10E-02	3.33E-02	6.74E-06	2.04E-05	1.18E-05	1.27E-05	1.15E-05	5.26E-06	8.34E-06	2.25E-07	5.44E-06	1.20E-06	1.73E-06	2.74E-06	4.83E-07	5.50E-07	1.24E-05
108	486783.18	3855843.15	1.92E-02	2.07E-02	3.28E-02	6.64E-06	2.00E-05	1.16E-05	1.25E-05	1.14E-05	5.18E-06	8.21E-06	2.22E-07	5.35E-06	1.18E-06	1.70E-06	2.70E-06	4.75E-07	5.42E-07	1.22E-05
109	486533.18	3855893.15	2.17E-02	2.34E-02	3.72E-02	7.52E-06	2.27E-05	1.31E-05	1.42E-05	1.29E-05	5.87E-06	9.30E-06	2.51E-07	6.07E-06	1.34E-06	1.93E-06	3.06E-06	5.38E-07	6.14E-07	1.38E-05
110	486583.18	3855893.15	2.13E-02	2.30E-02	3.65E-02	7.38E-06	2.23E-05	1.29E-05	1.39E-05	1.26E-05	5.76E-06	9.14E-06	2.47E-07	5.96E-06	1.31E-06	1.89E-06	3.00E-06	5.29E-07	6.03E-07	1.35E-05
111	486633.18	3855893.15	2.09E-02	2.26E-02	3.58E-02	7.24E-06	2.19E-05	1.27E-05	1.37E-05	1.24E-05	5.65E-06	8.97E-06	2.42E-07	5.84E-06	1.29E-06	1.86E-06	2.94E-06	5.19E-07	5.91E-07	1.33E-05

112	486683.18	3855893.15	2.06E-02	2.22E-02	3.53E-02	7.14E-06	2.15E-05	1.25E-05	1.35E-05	1.22E-05	5.57E-06	8.83E-06	2.38E-07	5.76E-06	1.27E-06	1.83E-06	2.90E-06	5.11E-07	5.83E-07	1.31E-05
113	486733.18	3855893.15	2.03E-02	2.19E-02	3.48E-02	7.03E-06	2.12E-05	1.23E-05	1.33E-05	1.20E-05	5.49E-06	8.71E-06	2.35E-07	5.67E-06	1.25E-06	1.80E-06	2.86E-06	5.04E-07	5.74E-07	1.29E-05
114	486783.18	3855893.15	2.01E-02	2.17E-02	3.44E-02	6.95E-06	2.10E-05	1.22E-05	1.31E-05	1.19E-05	5.43E-06	8.61E-06	2.32E-07	5.61E-06	1.24E-06	1.78E-06	2.83E-06	4.98E-07	5.68E-07	1.27E-05
115	486533.18	3855943.15	2.26E-02	2.44E-02	3.87E-02	7.81E-06	2.36E-05	1.37E-05	1.47E-05	1.34E-05	6.10E-06	9.68E-06	2.61E-07	6.30E-06	1.39E-06	2.00E-06	3.17E-06	5.59E-07	6.38E-07	1.43E-05
116	486583.18	3855943.15	2.24E-02	2.41E-02	3.83E-02	7.74E-06	2.34E-05	1.35E-05	1.46E-05	1.32E-05	6.04E-06	9.59E-06	2.58E-07	6.24E-06	1.38E-06	1.98E-06	3.15E-06	5.54E-07	6.33E-07	1.42E-05
117	486633.18	3855943.15	2.19E-02	2.36E-02	3.75E-02	7.56E-06	2.28E-05	1.32E-05	1.43E-05	1.29E-05	5.90E-06	9.37E-06	2.53E-07	6.10E-06	1.35E-06	1.94E-06	3.07E-06	5.42E-07	6.18E-07	1.39E-05
118	486683.18	3855943.15	2.16E-02	2.33E-02	3.70E-02	7.47E-06	2.26E-05	1.31E-05	1.41E-05	1.28E-05	5.83E-06	9.26E-06	2.50E-07	6.03E-06	1.33E-06	1.91E-06	3.04E-06	5.35E-07	6.11E-07	1.37E-05
119	486733.18	3855943.15	2.12E-02	2.29E-02	3.63E-02	7.33E-06	2.21E-05	1.28E-05	1.38E-05	1.25E-05	5.72E-06	9.09E-06	2.45E-07	5.92E-06	1.31E-06	1.88E-06	2.98E-06	5.25E-07	6.00E-07	1.35E-05
120	486783.18	3855943.15	2.10E-02	2.26E-02	3.60E-02	7.26E-06	2.19E-05	1.27E-05	1.37E-05	1.24E-05	5.66E-06	9.00E-06	2.42E-07	5.85E-06	1.29E-06	1.86E-06	2.95E-06	5.20E-07	5.94E-07	1.33E-05
121	486533.18	3855993.15	2.36E-02	2.55E-02	4.06E-02	8.19E-06	2.47E-05	1.43E-05	1.54E-05	1.40E-05	6.39E-06	1.02E-05	2.73E-07	6.60E-06	1.46E-06	2.10E-06	3.33E-06	5.86E-07	6.70E-07	1.50E-05
122	486583.18	3855993.15	2.33E-02	2.51E-02	3.99E-02	8.05E-06	2.43E-05	1.41E-05	1.52E-05	1.38E-05	6.28E-06	9.98E-06	2.69E-07	6.49E-06	1.43E-06	2.06E-06	3.27E-06	5.77E-07	6.58E-07	1.48E-05
123	486633.18	3855993.15	2.28E-02	2.46E-02	3.92E-02	7.90E-06	2.39E-05	1.38E-05	1.49E-05	1.35E-05	6.17E-06	9.80E-06	2.64E-07	6.37E-06	1.41E-06	2.02E-06	3.21E-06	5.66E-07	6.47E-07	1.45E-05
124	486683.18	3855993.15	2.25E-02	2.43E-02	3.87E-02	7.80E-06	2.35E-05	1.36E-05	1.47E-05	1.33E-05	6.09E-06	9.67E-06	2.60E-07	6.29E-06	1.39E-06	2.00E-06	3.17E-06	5.59E-07	6.38E-07	1.43E-05
125	486733.18	3855993.15	2.21E-02	2.39E-02	3.80E-02	7.66E-06	2.31E-05	1.34E-05	1.45E-05	1.31E-05	5.98E-06	9.51E-06	2.56E-07	6.18E-06	1.36E-06	1.96E-06	3.11E-06	5.49E-07	6.27E-07	1.41E-05
126	486783.18	3855993.15	2.18E-02	2.36E-02	3.74E-02	7.55E-06	2.28E-05	1.32E-05	1.43E-05	1.29E-05	5.90E-06	9.37E-06	2.52E-07	6.09E-06	1.34E-06	1.94E-06	3.07E-06	5.41E-07	6.18E-07	1.39E-05
127	486533.18	3856043.15	2.47E-02	2.67E-02	4.24E-02	8.55E-06	2.58E-05	1.49E-05	1.61E-05	1.46E-05	6.67E-06	1.06E-05	2.86E-07	6.90E-06	1.52E-06	2.19E-06	3.48E-06	6.13E-07	7.00E-07	1.57E-05
128	486583.18	3856043.15	2.44E-02	2.63E-02	4.18E-02	8.43E-06	2.55E-05	1.47E-05	1.59E-05	1.44E-05	6.58E-06	1.05E-05	2.81E-07	6.80E-06	1.50E-06	2.16E-06	3.43E-06	6.04E-07	6.90E-07	1.55E-05
129	486633.18	3856043.15	2.38E-02	2.57E-02	4.09E-02	8.25E-06	2.49E-05	1.44E-05	1.56E-05	1.41E-05	6.44E-06	1.02E-05	2.75E-07	6.65E-06	1.47E-06	2.11E-06	3.35E-06	5.91E-07	6.76E-07	1.51E-05
130	486683.18	3856043.15	2.35E-02	2.54E-02	4.04E-02	8.15E-06	2.46E-05	1.42E-05	1.54E-05	1.39E-05	6.36E-06	1.01E-05	2.72E-07	6.57E-06	1.45E-06	2.09E-06	3.31E-06	5.84E-07	6.67E-07	1.49E-05
131	486733.18	3856043.15	2.31E-02	2.49E-02	3.96E-02	7.99E-06	2.41E-05	1.40E-05	1.51E-05	1.37E-05	6.23E-06	9.92E-06	2.67E-07	6.44E-06	1.42E-06	2.05E-06	3.25E-06	5.72E-07	6.54E-07	1.47E-05
132	486783.18	3856043.15	2.28E-02	2.47E-02	3.92E-02	7.90E-06	2.39E-05	1.38E-05	1.49E-05	1.35E-05	6.17E-06	9.82E-06	2.64E-07	6.38E-06	1.41E-06	2.03E-06	3.21E-06	5.66E-07	6.48E-07	1.45E-05
133	486533.18	3856093.15	2.59E-02	2.80E-02	4.46E-02	8.98E-06	2.71E-05	1.57E-05	1.69E-05	1.54E-05	7.01E-06	1.12E-05	3.00E-07	7.24E-06	1.60E-06	2.30E-06	3.65E-06	6.43E-07	7.36E-07	1.65E-05
134	486583.18	3856093.15	2.54E-02	2.75E-02	4.37E-02	8.80E-06	2.66E-05	1.54E-05	1.66E-05	1.51E-05	6.87E-06	1.09E-05	2.94E-07	7.10E-06	1.57E-06	2.26E-06	3.58E-06	6.31E-07	7.22E-07	1.61E-05
135	486633.18	3856093.15	2.49E-02	2.69E-02	4.28E-02	8.63E-06	2.61E-05	1.51E-05	1.63E-05	1.48E-05	6.74E-06	1.07E-05	2.88E-07	6.96E-06	1.54E-06	2.21E-06	3.51E-06	6.18E-07	7.07E-07	1.58E-05
136	486683.18	3856093.15	2.46E-02	2.65E-02	4.22E-02	8.50E-06	2.57E-05	1.49E-05	1.60E-05	1.45E-05	6.64E-06	1.06E-05	2.84E-07	6.86E-06	1.51E-06	2.18E-06	3.46E-06	6.09E-07	6.97E-07	1.56E-05
137	486733.18	3856093.15	2.41E-02	2.60E-02	4.14E-02	8.34E-06	2.52E-05	1.46E-05	1.58E-05	1.43E-05	6.51E-06	1.04E-05	2.79E-07	6.73E-06	1.49E-06	2.14E-06	3.39E-06	5.98E-07	6.84E-07	1.53E-05
138	486783.18	3856093.15	2.38E-02	2.57E-02	4.09E-02	8.23E-06	2.49E-05	1.44E-05	1.55E-05	1.41E-05	6.43E-06	1.02E-05	2.75E-07	6.64E-06	1.47E-06	2.11E-06	3.35E-06	5.90E-07	6.75E-07	1.51E-05
139	486533.18	3856143.15	2.71E-02	2.93E-02	4.66E-02	9.39E-06	2.83E-05	1.64E-05	1.77E-05	1.61E-05	7.33E-06	1.17E-05	3.13E-07	7.57E-06	1.67E-06	2.41E-06	3.82E-06	6.73E-07	7.70E-07	1.72E-05
140	486583.18	3856143.15	2.65E-02	2.86E-02	4.55E-02	9.16E-06	2.77E-05	1.60E-05	1.73E-05	1.57E-05	7.16E-06	1.14E-05	3.06E-07	7.39E-06	1.63E-06	2.35E-06	3.73E-06	6.57E-07	7.52E-07	1.68E-05
141	486633.18	3856143.15	2.60E-02	2.81E-02	4.48E-02	9.02E-06	2.72E-05	1.58E-05	1.70E-05	1.54E-05	7.04E-06	1.12E-05	3.01E-07	7.27E-06	1.60E-06	2.31E-06	3.67E-06	6.46E-07	7.40E-07	1.65E-05
142	486683.18	3856143.15	2.56E-02	2.76E-02	4.40E-02	8.86E-06	2.67E-05	1.55E-05	1.67E-05	1.52E-05	6.92E-06	1.10E-05	2.96E-07	7.14E-06	1.58E-06	2.27E-06	3.60E-06	6.35E-07	7.27E-07	1.62E-05
143	486733.18	3856143.15	2.52E-02	2.72E-02	4.33E-02	8.71E-06	2.63E-05	1.52E-05	1.64E-05	1.49E-05	6.80E-06	1.08E-05	2.91E-07	7.02E-06	1.55E-06	2.23E-06	3.54E-06	6.24E-07	7.14E-07	1.60E-05
144	486783.18	3856143.15	2.49E-02	2.69E-02	4.29E-02	8.62E-06	2.60E-05	1.51E-05	1.63E-05	1.48E-05	6.73E-06	1.07E-05	2.88E-07	6.96E-06	1.54E-06	2.21E-06	3.51E-06	6.18E-07	7.08E-07	1.58E-05
145	486533.18	3856193.15	2.85E-02	3.07E-02	4.90E-02	9.85E-06	2.97E-05	1.72E-05	1.86E-05	1.69E-05	7.69E-06	1.23E-05	3.29E-07	7.95E-06	1.75E-06	2.53E-06	4.01E-06	7.06E-07	8.09E-07	1.81E-05
146	486583.18	3856193.15	2.77E-02	2.99E-02	4.77E-02	9.58E-06	2.89E-05	1.67E-05	1.81E-05	1.64E-05	7.48E-06	1.19E-05	3.20E-07	7.73E-06	1.71E-06	2.46E-06	3.90E-06	6.87E-07	7.87E-07	1.76E-05
147	486633.18	3856193.15	2.72E-02	2.94E-02	4.68E-02	9.41E-06	2.84E-05	1.65E-05	1.78E-05	1.61E-05	7.35E-06	1.17E-05	3.14E-07	7.59E-06	1.68E-06	2.41E-06	3.83E-06	6.75E-07	7.73E-07	1.73E-05
148	486683.18	3856193.15	2.69E-02	2.90E-02	4.62E-02	9.30E-06	2.81E-05	1.62E-05	1.76E-05	1.59E-05	7.26E-06	1.16E-05	3.10E-07	7.50E-06	1.65E-06	2.38E-06	3.78E-06	6.66E-07	7.64E-07	1.71E-05
149	486733.18	3856193.15	2.63E-02	2.84E-02	4.53E-02	9.11E-06	2.75E-05	1.59E-05	1.72E-05	1.56E-05	7.11E-06	1.13E-05	3.04E-07	7.35E-06	1.62E-06	2.33E-06	3.70E-06	6.53E-07	7.48E-07	1.67E-05
150	486783.18	3856193.15	2.60E-02	2.81E-02	4.49E-02	9.02E-06	2.72E-05	1.58E-05	1.70E-05	1.54E-05	7.04E-06	1.12E-05	3.01E-07	7.27E-06	1.60E-06	2.31E-06	3.67E-06	6.46E-07	7.40E-07	1.65E-05
151	486533.18	3856243.15	2.98E-02	3.22E-02	5.13E-02	1.03E-05	3.11E-05	1.80E-05	1.95E-05	1.76E-05	8.05E-06	1.28E-05	3.44E-07	8.31E-06	1.83E-06	2.64E-06	4.19E-06	7.39E-07	8.47E-07	1.89E-05
152	486583.18	3856243.15	2.91E-02	3.14E-02	5.02E-02	1.01E-05	3.04E-05	1.76E-05	1.90E-05	1.72E-05	7.87E-06	1.26E-05	3.36E-07	8.13E-06	1.79E-06	2.58E-06	4.10E-06	7.22E-07	8.28E-07	1.85E-05
153	486633.18	3856243.15	2.85E-02	3.08E-02	4.91E-02	9.86E-06	2.98E-05	1.72E-05	1.86E-05	1.69E-05	7.70E-06	1.23E-05	3.29E-07	7.96E-06	1.76E-06	2.53E-06	4.01E-06	7.07E-07	8.11E-07	1.81E-05
154	486683.18	3856243.15	2.80E-02	3.03E-02	4.83E-02	9.69E-06	2.93E-05	1.69E-05	1.83E-05	1.66E-05	7.57E-06	1.21E-05	3.24E-07	7.82E-06	1.73E-06	2.49E-06	3.94E-06	6.95E-07	7.97E-07	1.78E-05
155	486733.18	3856243.15	2.76E-02	2.98E-02	4.76E-02	9.56E-06	2.89E-05	1.67E-05	1.80E-05	1.64E-05	7.46E-06	1.19E-05	3.19E-07	7.71E-06	1.70E-06	2.45E-06	3.89E-06	6.85E-07	7.86E-07	1.75E-05
156	486783.18	3856243.15	2.71E-02	2.93E-02	4.68E-02	9.39E-06	2.84E-05	1.64E-05	1.77E-05	1.61E-05	7.34E-06	1.17E-05	3.14E-07	7.58E-06	1.67E-06	2.41E-06	3.82E-06	6.73E-07	7.72E-07	1.72E-05
157	486533.18	3856293.15	3.13E-02	3.38E-02	5.39E-02	1.08E-05	3.27E-05	1.89E-05	2.04E-05	1.85E-05	8.45E-06	1.35E-05	3.61E-07	8.73E-06	1.93E-06	2.78E-06	4.40E-06	7.76E-07	8.91E-07	1.99E-05
158	486583.18	3856293.15	3.05E-02	3.29E-02	5.26E-02	1.06E-05	3.19E-05	1.85E-05	1.99E-05	1.81E-05	8.25E-06	1.32E-05	3.53E-07	8.52E-06	1.88E-06	2.71E-06	4.29E-06	7.57E-07	8.69E-07	1.94E-05
159	486633.18	3856293.15	2.99E-02	3.23E-02	5.15E-02	1.03E-05	3.12E-05	1.81E-05	1.95E-05	1.77E-05	8.08E-06	1.29E-05	3.45E-07	8.34E-06	1.84E-06	2.65E-06	4.20E-06	7.41E-07	8.50E-07	1.90E-05
160	486683.18	3856293.15	2.93E-02	3.17E-02	5.05E-02	1.01E-05	3.06E-05	1.77E-05	1.92E-05	1.74E-05	7.92E-06	1.26E-05	3.39E-07	8.18E-06	1.81E-06	2.60E-06	4.13E-06	7.27E-07	8.34E-07	1.86E-05
161	486733.18	3856293.15	2.89E-02	3.12E-02	4.99E-02	1.00E-05	3.02E-05	1.75E-05	1.89E-05	1.71E-05	7.82E-06	1.25E-05	3.34E-07	8.08E-06	1.78E-06	2.57E-06	4.07E-06	7.18E-07	8.23E-07	1.84E-05
162	486783.18	3856293.15	2.84E-02	3.07E-02	4.89E-02	9.83E-06	2.97E-05	1.72E-05	1.86E-05	1.68E-05	7.67E-06	1.23E-05	3.28E-07	7.93E-06	1.75E-06	2.52E-06	4.00E-06	7.04E-07	8.08E-07	1.80E-05
163	486783.18	3856343.15	2.98E-02	3.22E-02	5.15E-02	1.03E-05	3.12E-05	1.81E-05	1.95E-05	1.77E-05	8.07E-06	1.29E-05	3.45E-07	8.33E-06	1.84E-06	2.65E-06	4.20E-06	7.41E-07	8.50E-07	1.90E-05
164	486833.18	3856343.15	2.93E-02	3.17E-02	5.06E-02	1.02E-05	3.07E-05	1.78E-05	1.92E-05	1.74E-05	7.93E-06	1.27E-05	3.39E-07	8.19E-06	1.81E-06	2.60E-06	4.13E-06	7.28E-07	8.36E-07	1.86E-05
165	486883.18	3856343.15	2.89E-02	3.12E-02	4.98E-02	9.99E-06	3.02E-05	1.75E-05	1.89E-05	1.71E-05	7.81E-06	1.25E-05	3.34E-07	8.06E-06	1.78E-06	2.56E-06	4.06E-06	7.16E-07	8.22E-07	1.83E-05
166	486783.18	3856393.15	3.11E-02	3.37E-02	5.38E-02	1.08E-05	3.26E-05	1.88E-05	2.04E-05	1.85E-05	8.42E-06	1.35E-05	3.60E-07	8.70E-06	1.92E-06	2.76E-06	4.39E-06	7.73E-07	8.88E-07	1.98E-05
167	486833.18	3856393.15	3.06E-02	3.31E-02	5.29E-02	1.06E-05	3.20E-05	1.85E-05	2.00E-05	1.82E-05	8.28E-06	1.32E-05	3.54E-07	8.55E-06	1.89E-06	2.72E-06	4.31E-06	7.60E-07	8.73E-07	1.95E-05
168	486883.18	3856393.15	3.00E-02	3.24E-02	5.18E-02	1.04E-05	3.14E-05	1.82E-05	1.96E-05	1.78E-05	8.11E-06	1.30E-05	3.47E-07	8.38E-06	1.85E-06	2.66E-06	4.22E-06	7.44E-07	8.55E-07	1.91E-05
169	487208.74	3856886.11	4.04E-02	4.36E-02	6.99E-02	1.40E-05	4.22E-05	2.44E-05	2.64E-05	2.39E-05	1.09E-05	1.75E-05	4.67E-07	1.13E-05	2.49E-06	3.59E-06	5.69E-06	1.00E-06	1.15E-06	2.57E-05
170	487258.74	3856886.11	3.92E-02	4.24E-02	6.79E-02	1.36E-05	4.10E-05	2.37E-05	2.56E-05	2.32E-05	1.06E-05	1.70E-05	4.53E-07	1.10E-05	2.42E-06	3.48E-06	5.52E-06	9.73E-07	1.12E-06	2.49E-05

171	487308.74	3856886.11	3.81E-02	4.12E-02	6.60E-02	1.32E-05	3.99E-05	2.31E-05	2.49E-05	2.26E-05	1.03E-05	1.65E-05	4.41E-07	1.07E-05	2.35E-06	3.39E-06	5.37E-06	9.47E-07	1.09E-06	2.42E-05
172	487358.74	3856886.11	3.71E-02	4.01E-02	6.42E-02	1.28E-05	3.88E-05	2.24E-05	2.43E-05	2.20E-05	1.00E-05	1.61E-05	4.29E-07	1.04E-05	2.29E-06	3.29E-06	5.22E-06	9.21E-07	1.06E-06	2.36E-05
173	487208.74	3856936.11	4.23E-02	4.57E-02	7.33E-02	1.47E-05	4.42E-05	2.56E-05	2.77E-05	2.51E-05	1.14E-05	1.83E-05	4.89E-07	1.18E-05	2.61E-06	3.76E-06	5.96E-06	1.05E-06	1.21E-06	2.69E-05
174	487258.74	3856936.11	4.10E-02	4.44E-02	7.11E-02	1.42E-05	4.29E-05	2.48E-05	2.68E-05	2.43E-05	1.11E-05	1.78E-05	4.74E-07	1.15E-05	2.53E-06	3.64E-06	5.78E-06	1.02E-06	1.17E-06	2.61E-05
175	487308.74	3856936.11	3.99E-02	4.31E-02	6.91E-02	1.38E-05	4.17E-05	2.41E-05	2.61E-05	2.36E-05	1.08E-05	1.73E-05	4.61E-07	1.11E-05	2.46E-06	3.54E-06	5.62E-06	9.90E-07	1.14E-06	2.53E-05
176	487358.74	3856936.11	3.88E-02	4.19E-02	6.71E-02	1.34E-05	4.05E-05	2.34E-05	2.53E-05	2.30E-05	1.05E-05	1.68E-05	4.48E-07	1.08E-05	2.39E-06	3.44E-06	5.46E-06	9.62E-07	1.11E-06	2.46E-05
177	487208.74	3856986.11	4.44E-02	4.80E-02	7.70E-02	1.54E-05	4.64E-05	2.69E-05	2.91E-05	2.63E-05	1.20E-05	1.93E-05	5.14E-07	1.24E-05	2.74E-06	3.95E-06	6.26E-06	1.10E-06	1.27E-06	2.82E-05
178	487258.74	3856986.11	4.31E-02	4.66E-02	7.47E-02	1.49E-05	4.51E-05	2.61E-05	2.82E-05	2.56E-05	1.17E-05	1.87E-05	4.98E-07	1.20E-05	2.66E-06	3.83E-06	6.07E-06	1.07E-06	1.23E-06	2.74E-05
179	487308.74	3856986.11	4.17E-02	4.51E-02	7.23E-02	1.44E-05	4.36E-05	2.52E-05	2.73E-05	2.47E-05	1.13E-05	1.81E-05	4.82E-07	1.16E-05	2.57E-06	3.70E-06	5.88E-06	1.04E-06	1.19E-06	2.65E-05
180	487358.74	3856986.11	4.05E-02	4.38E-02	7.02E-02	1.40E-05	4.24E-05	2.45E-05	2.65E-05	2.40E-05	1.10E-05	1.76E-05	4.69E-07	1.13E-05	2.50E-06	3.60E-06	5.71E-06	1.01E-06	1.16E-06	2.58E-05
181	487208.74	3857036.11	4.67E-02	5.05E-02	8.10E-02	1.62E-05	4.88E-05	2.83E-05	3.06E-05	2.77E-05	1.26E-05	2.03E-05	5.40E-07	1.30E-05	2.88E-06	4.15E-06	6.58E-06	1.16E-06	1.34E-06	2.97E-05
182	487258.74	3857036.11	4.52E-02	4.88E-02	7.83E-02	1.56E-05	4.72E-05	2.73E-05	2.96E-05	2.68E-05	1.22E-05	1.96E-05	5.22E-07	1.26E-05	2.78E-06	4.01E-06	6.36E-06	1.12E-06	1.29E-06	2.87E-05
183	487308.74	3857036.11	4.38E-02	4.73E-02	7.59E-02	1.52E-05	4.58E-05	2.65E-05	2.86E-05	2.60E-05	1.18E-05	1.90E-05	5.06E-07	1.22E-05	2.70E-06	3.89E-06	6.17E-06	1.09E-06	1.25E-06	2.78E-05
184	487358.74	3857036.11	4.24E-02	4.59E-02	7.36E-02	1.47E-05	4.44E-05	2.57E-05	2.78E-05	2.52E-05	1.15E-05	1.84E-05	4.91E-07	1.18E-05	2.61E-06	3.77E-06	5.98E-06	1.05E-06	1.21E-06	2.70E-05
185	487427.14	3856878.23	3.56E-02	3.85E-02	6.17E-02	1.23E-05	3.73E-05	2.16E-05	2.33E-05	2.11E-05	9.64E-06	1.54E-05	4.12E-07	9.95E-06	2.20E-06	3.17E-06	5.02E-06	8.85E-07	1.02E-06	2.27E-05
186	487477.14	3856878.23	3.48E-02	3.76E-02	6.02E-02	1.20E-05	3.64E-05	2.11E-05	2.27E-05	2.06E-05	9.41E-06	1.51E-05	4.02E-07	9.71E-06	2.14E-06	3.09E-06	4.90E-06	8.64E-07	9.94E-07	2.21E-05
187	487527.14	3856878.23	3.39E-02	3.67E-02	5.87E-02	1.18E-05	3.55E-05	2.05E-05	2.22E-05	2.01E-05	9.18E-06	1.47E-05	3.92E-07	9.48E-06	2.09E-06	3.01E-06	4.78E-06	8.43E-07	9.69E-07	2.16E-05
188	487427.14	3856928.23	3.71E-02	4.01E-02	6.43E-02	1.29E-05	3.88E-05	2.25E-05	2.43E-05	2.20E-05	1.00E-05	1.61E-05	4.29E-07	1.04E-05	2.29E-06	3.30E-06	5.23E-06	9.22E-07	1.06E-06	2.36E-05
189	487477.14	3856928.23	3.61E-02	3.91E-02	6.25E-02	1.25E-05	3.78E-05	2.19E-05	2.36E-05	2.14E-05	9.78E-06	1.57E-05	4.18E-07	1.01E-05	2.23E-06	3.21E-06	5.09E-06	8.97E-07	1.03E-06	2.30E-05
190	487527.14	3856928.23	3.52E-02	3.81E-02	6.10E-02	1.22E-05	3.68E-05	2.13E-05	2.31E-05	2.09E-05	9.53E-06	1.53E-05	4.07E-07	9.84E-06	2.17E-06	3.13E-06	4.96E-06	8.75E-07	1.01E-06	2.24E-05
191	487577.14	3856928.23	3.44E-02	3.72E-02	5.95E-02	1.19E-05	3.59E-05	2.08E-05	2.25E-05	2.04E-05	9.30E-06	1.49E-05	3.98E-07	9.60E-06	2.12E-06	3.05E-06	4.84E-06	8.54E-07	9.82E-07	2.19E-05
192	487627.14	3856928.23	3.35E-02	3.62E-02	5.80E-02	1.16E-05	3.50E-05	2.03E-05	2.19E-05	1.99E-05	9.07E-06	1.45E-05	3.88E-07	9.36E-06	2.07E-06	2.98E-06	4.72E-06	8.32E-07	9.58E-07	2.13E-05
193	487677.14	3856928.23	3.28E-02	3.54E-02	5.67E-02	1.13E-05	3.43E-05	1.98E-05	2.14E-05	1.94E-05	8.86E-06	1.42E-05	3.79E-07	9.15E-06	2.02E-06	2.91E-06	4.62E-06	8.13E-07	9.36E-07	2.08E-05
194	487727.14	3856928.23	3.21E-02	3.46E-02	5.55E-02	1.11E-05	3.35E-05	1.94E-05	2.10E-05	1.90E-05	8.67E-06	1.39E-05	3.71E-07	8.95E-06	1.98E-06	2.85E-06	4.52E-06	7.96E-07	9.16E-07	2.04E-05
195	487777.14	3856928.23	3.13E-02	3.39E-02	5.42E-02	1.08E-05	3.27E-05	1.90E-05	2.05E-05	1.86E-05	8.47E-06	1.36E-05	3.62E-07	8.75E-06	1.93E-06	2.78E-06	4.41E-06	7.78E-07	8.95E-07	1.99E-05
196	487427.14	3856978.23	3.87E-02	4.18E-02	6.70E-02	1.34E-05	4.04E-05	2.34E-05	2.53E-05	2.29E-05	1.05E-05	1.68E-05	4.47E-07	1.08E-05	2.38E-06	3.43E-06	5.45E-06	9.60E-07	1.11E-06	2.46E-05
197	487477.14	3856978.23	3.76E-02	4.07E-02	6.52E-02	1.30E-05	3.93E-05	2.28E-05	2.46E-05	2.23E-05	1.02E-05	1.63E-05	4.35E-07	1.05E-05	2.32E-06	3.34E-06	5.30E-06	9.35E-07	1.08E-06	2.39E-05
198	487527.14	3856978.23	3.67E-02	3.96E-02	6.35E-02	1.27E-05	3.83E-05	2.22E-05	2.40E-05	2.17E-05	9.92E-06	1.59E-05	4.24E-07	1.02E-05	2.26E-06	3.26E-06	5.16E-06	9.10E-07	1.05E-06	2.33E-05
199	487577.14	3856978.23	3.57E-02	3.86E-02	6.18E-02	1.24E-05	3.73E-05	2.16E-05	2.34E-05	2.12E-05	9.66E-06	1.55E-05	4.13E-07	9.97E-06	2.20E-06	3.17E-06	5.03E-06	8.87E-07	1.02E-06	2.27E-05
200	487627.14	3856978.23	3.48E-02	3.76E-02	6.02E-02	1.20E-05	3.63E-05	2.10E-05	2.27E-05	2.06E-05	9.40E-06	1.51E-05	4.02E-07	9.71E-06	2.14E-06	3.09E-06	4.90E-06	8.63E-07	9.94E-07	2.21E-05
201	487677.14	3856978.23	3.39E-02	3.67E-02	5.88E-02	1.18E-05	3.55E-05	2.05E-05	2.22E-05	2.01E-05	9.18E-06	1.47E-05	3.92E-07	9.48E-06	2.09E-06	3.01E-06	4.78E-06	8.43E-07	9.70E-07	2.16E-05
202	487727.14	3856978.23	3.30E-02	3.57E-02	5.72E-02	1.14E-05	3.45E-05	2.00E-05	2.16E-05	1.96E-05	8.93E-06	1.43E-05	3.82E-07	9.22E-06	2.03E-06	2.93E-06	4.65E-06	8.20E-07	9.44E-07	2.10E-05
203	487777.14	3856978.23	3.24E-02	3.50E-02	5.61E-02	1.12E-05	3.39E-05	1.96E-05	2.12E-05	1.92E-05	8.77E-06	1.40E-05	3.75E-07	9.05E-06	2.00E-06	2.88E-06	4.56E-06	8.05E-07	9.26E-07	2.06E-05
204	487427.14	3857028.23	4.04E-02	4.37E-02	7.00E-02	1.40E-05	4.22E-05	2.45E-05	2.64E-05	2.40E-05	1.09E-05	1.75E-05	4.67E-07	1.13E-05	2.49E-06	3.59E-06	5.69E-06	1.00E-06	1.16E-06	2.57E-05
205	487477.14	3857028.23	3.93E-02	4.24E-02	6.80E-02	1.36E-05	4.10E-05	2.38E-05	2.57E-05	2.33E-05	1.06E-05	1.70E-05	4.54E-07	1.10E-05	2.42E-06	3.49E-06	5.53E-06	9.75E-07	1.12E-06	2.49E-05
206	487527.14	3857028.23	3.81E-02	4.12E-02	6.61E-02	1.32E-05	3.99E-05	2.31E-05	2.49E-05	2.26E-05	1.03E-05	1.65E-05	4.41E-07	1.07E-05	2.35E-06	3.39E-06	5.37E-06	9.47E-07	1.09E-06	2.42E-05
207	487577.14	3857028.23	3.71E-02	4.01E-02	6.43E-02	1.28E-05	3.88E-05	2.25E-05	2.43E-05	2.20E-05	1.00E-05	1.61E-05	4.29E-07	1.04E-05	2.29E-06	3.30E-06	5.23E-06	9.21E-07	1.06E-06	2.36E-05
208	487627.14	3857028.23	3.61E-02	3.90E-02	6.25E-02	1.25E-05	3.77E-05	2.18E-05	2.36E-05	2.14E-05	9.76E-06	1.56E-05	4.17E-07	1.01E-05	2.22E-06	3.20E-06	5.08E-06	8.96E-07	1.03E-06	2.29E-05
209	487677.14	3857028.23	3.52E-02	3.80E-02	6.09E-02	1.22E-05	3.68E-05	2.13E-05	2.30E-05	2.08E-05	9.51E-06	1.52E-05	4.06E-07	9.82E-06	2.17E-06	3.12E-06	4.95E-06	8.73E-07	1.01E-06	2.23E-05
210	487727.14	3857028.23	3.43E-02	3.71E-02	5.95E-02	1.19E-05	3.59E-05	2.08E-05	2.25E-05	2.04E-05	9.29E-06	1.49E-05	3.97E-07	9.59E-06	2.12E-06	3.05E-06	4.84E-06	8.52E-07	9.81E-07	2.18E-05
211	487777.14	3857028.23	3.35E-02	3.62E-02	5.80E-02	1.16E-05	3.50E-05	2.03E-05	2.19E-05	1.99E-05	9.06E-06	1.45E-05	3.87E-07	9.35E-06	2.06E-06	2.97E-06	4.72E-06	8.32E-07	9.58E-07	2.13E-05
212	487427.14	3857078.23	4.23E-02	4.57E-02	7.33E-02	1.46E-05	4.42E-05	2.56E-05	2.76E-05	2.51E-05	1.14E-05	1.83E-05	4.88E-07	1.18E-05	2.60E-06	3.75E-06	5.95E-06	1.05E-06	1.21E-06	2.69E-05
213	487477.14	3857078.23	4.09E-02	4.43E-02	7.10E-02	1.42E-05	4.28E-05	2.48E-05	2.68E-05	2.43E-05	1.11E-05	1.78E-05	4.73E-07	1.14E-05	2.52E-06	3.64E-06	5.77E-06	1.02E-06	1.17E-06	2.60E-05
214	487527.14	3857078.23	3.97E-02	4.30E-02	6.89E-02	1.38E-05	4.15E-05	2.40E-05	2.60E-05	2.36E-05	1.08E-05	1.72E-05	4.59E-07	1.11E-05	2.45E-06	3.53E-06	5.60E-06	9.87E-07	1.14E-06	2.53E-05
215	487577.14	3857078.23	3.86E-02	4.17E-02	6.69E-02	1.34E-05	4.03E-05	2.34E-05	2.52E-05	2.29E-05	1.04E-05	1.67E-05	4.46E-07	1.08E-05	2.38E-06	3.43E-06	5.44E-06	9.58E-07	1.10E-06	2.45E-05
216	487627.14	3857078.23	3.75E-02	4.05E-02	6.50E-02	1.30E-05	3.92E-05	2.27E-05	2.45E-05	2.22E-05	1.01E-05	1.63E-05	4.33E-07	1.05E-05	2.31E-06	3.33E-06	5.28E-06	9.31E-07	1.07E-06	2.38E-05
217	487677.14	3857078.23	3.65E-02	3.94E-02	6.32E-02	1.26E-05	3.81E-05	2.21E-05	2.39E-05	2.16E-05	9.87E-06	1.58E-05	4.22E-07	1.02E-05	2.25E-06	3.24E-06	5.14E-06	9.06E-07	1.04E-06	2.32E-05
218	487727.14	3857078.23	3.55E-02	3.84E-02	6.16E-02	1.23E-05	3.72E-05	2.15E-05	2.32E-05	2.11E-05	9.62E-06	1.54E-05	4.11E-07	9.93E-06	2.19E-06	3.16E-06	5.01E-06	8.82E-07	1.02E-06	2.26E-05
219	487777.14	3857078.23	3.46E-02	3.74E-02	6.00E-02	1.20E-05	3.62E-05	2.09E-05	2.26E-05	2.05E-05	9.36E-06	1.50E-05	4.00E-07	9.66E-06	2.13E-06	3.07E-06	4.88E-06	8.59E-07	9.90E-07	2.20E-05
220	487427.14	3857128.23	4.42E-02	4.78E-02	7.68E-02	1.53E-05	4.62E-05	2.68E-05	2.89E-05	2.62E-05	1.20E-05	1.92E-05	5.11E-07	1.24E-05	2.73E-06	3.93E-06	6.23E-06	1.10E-06	1.27E-06	2.81E-05
221	487477.14	3857128.23	4.28E-02	4.62E-02	7.42E-02	1.48E-05	4.47E-05	2.59E-05	2.80E-05	2.54E-05	1.16E-05	1.86E-05	4.94E-07	1.19E-05	2.64E-06	3.80E-06	6.03E-06	1.06E-06	1.22E-06	2.72E-05
222	487527.14	3857128.23	4.14E-02	4.48E-02	7.18E-02	1.43E-05	4.33E-05	2.51E-05	2.71E-05	2.45E-05	1.12E-05	1.80E-05	4.79E-07	1.16E-05	2.55E-06	3.68E-06	5.83E-06	1.03E-06	1.19E-06	2.63E-05
223	487577.14	3857128.23	4.02E-02	4.34E-02	6.96E-02	1.39E-05	4.20E-05	2.43E-05	2.63E-05	2.38E-05	1.09E-05	1.74E-05	4.64E-07	1.12E-05	2.47E-06	3.57E-06	5.66E-06	9.97E-07	1.15E-06	2.55E-05
224	487627.14	3857128.23	3.90E-02	4.21E-02	6.76E-02	1.35E-05	4.07E-05	2.36E-05	2.55E-05	2.31E-05	1.05E-05	1.69E-05	4.51E-07	1.09E-05	2.40E-06	3.46E-06	5.49E-06	9.68E-07	1.12E-06	2.48E-05
225	487677.14	3857128.23	3.78E-02	4.09E-02	6.56E-02	1.31E-05	3.96E-05	2.29E-05	2.47E-05	2.24E-05	1.02E-05	1.64E-05	4.37E-07	1.06E-05	2.33E-06	3.36E-06	5.33E-06	9.39E-07	1.08E-06	2.40E-05
226	487727.14	3857128.23	3.68E-02	3.98E-02	6.39E-02	1.28E-05	3.85E-05	2.23E-05	2.41E-05	2.18E-05	9.97E-06	1.60E-05	4.26E-07	1.03E-05	2.27E-06	3.27E-06	5.19E-06	9.15E-07	1.05E-06	2.34E-05
227	487777.14	3857128.23	3.58E-02	3.87E-02	6.21E-02	1.24E-05	3.74E-05	2.17E-05	2.34E-05	2.12E-05	9.69E-06	1.55E-05	4.14E-07	1.00E-05	2.21E-06	3.18E-06	5.05E-06	8.89E-07	1.03E-06	2.28E-05
228	488049.44	3856539.39	2.26E-02	2.44E-02	3.89E-02	7.81E-06	2.36E-05	1.36E-05	1.47E-05	1.34E-05	6.10E-06	9.74E-06	2.61E-07	6.30E-06	1.39E-06	2.00E-06	3.18E-06	5.60E-07	6.42E-07	1.43E-05
229	488099.44	3856539.39	2.22E-02	2.39E-02	3.82E-02	7.67E-06	2.32E-05	1.34E-05	1.45E-05	1.31E-05	5.99E-06	9.57E-06	2.56E-07	6.19E-06	1.37E-06	1.97E-06	3.12E-06	5.50E-07	6.31E-07	1.41E-05

230	488149.44	3856539.39	2.18E-02	2.36E-02	3.76E-02	7.55E-06	2.28E-05	1.32E-05	1.43E-05	1.29E-05	5.90E-06	9.42E-06	2.52E-07	6.09E-06	1.34E-06	1.94E-06	3.07E-06	5.41E-07	6.21E-07	1.39E-05
231	488049.44	3856589.39	2.32E-02	2.51E-02	4.00E-02	8.03E-06	2.42E-05	1.40E-05	1.52E-05	1.37E-05	6.27E-06	1.00E-05	2.68E-07	6.48E-06	1.43E-06	2.06E-06	3.27E-06	5.76E-07	6.61E-07	1.47E-05
232	488099.44	3856589.39	2.28E-02	2.46E-02	3.93E-02	7.89E-06	2.38E-05	1.38E-05	1.49E-05	1.35E-05	6.16E-06	9.84E-06	2.63E-07	6.36E-06	1.40E-06	2.02E-06	3.21E-06	5.66E-07	6.49E-07	1.45E-05
233	488149.44	3856589.39	2.24E-02	2.42E-02	3.87E-02	7.76E-06	2.34E-05	1.36E-05	1.46E-05	1.33E-05	6.06E-06	9.68E-06	2.59E-07	6.26E-06	1.38E-06	1.99E-06	3.16E-06	5.56E-07	6.38E-07	1.42E-05
234	488199.44	3856589.39	2.20E-02	2.38E-02	3.80E-02	7.62E-06	2.30E-05	1.33E-05	1.44E-05	1.30E-05	5.95E-06	9.51E-06	2.55E-07	6.15E-06	1.36E-06	1.95E-06	3.10E-06	5.46E-07	6.27E-07	1.40E-05
235	488249.44	3856589.39	2.17E-02	2.35E-02	3.75E-02	7.52E-06	2.27E-05	1.32E-05	1.42E-05	1.29E-05	5.88E-06	9.39E-06	2.51E-07	6.07E-06	1.34E-06	1.93E-06	3.06E-06	5.39E-07	6.19E-07	1.38E-05
236	488049.44	3856639.39	2.38E-02	2.58E-02	4.12E-02	8.25E-06	2.49E-05	1.44E-05	1.56E-05	1.41E-05	6.45E-06	1.03E-05	2.76E-07	6.66E-06	1.47E-06	2.12E-06	3.36E-06	5.92E-07	6.79E-07	1.51E-05
237	488099.44	3856639.39	2.34E-02	2.53E-02	4.04E-02	8.11E-06	2.45E-05	1.42E-05	1.53E-05	1.39E-05	6.33E-06	1.01E-05	2.71E-07	6.54E-06	1.44E-06	2.08E-06	3.30E-06	5.81E-07	6.67E-07	1.49E-05
238	488149.44	3856639.39	2.30E-02	2.49E-02	3.97E-02	7.96E-06	2.40E-05	1.39E-05	1.50E-05	1.36E-05	6.22E-06	9.94E-06	2.66E-07	6.42E-06	1.42E-06	2.04E-06	3.24E-06	5.71E-07	6.56E-07	1.46E-05
239	488199.44	3856639.39	2.26E-02	2.45E-02	3.91E-02	7.84E-06	2.37E-05	1.37E-05	1.48E-05	1.34E-05	6.12E-06	9.78E-06	2.62E-07	6.32E-06	1.40E-06	2.01E-06	3.19E-06	5.62E-07	6.45E-07	1.44E-05
240	488249.44	3856639.39	2.23E-02	2.41E-02	3.85E-02	7.71E-06	2.33E-05	1.35E-05	1.46E-05	1.32E-05	6.02E-06	9.62E-06	2.58E-07	6.22E-06	1.37E-06	1.98E-06	3.14E-06	5.53E-07	6.35E-07	1.42E-05
241	488299.44	3856639.39	2.19E-02	2.37E-02	3.78E-02	7.59E-06	2.29E-05	1.33E-05	1.43E-05	1.30E-05	5.93E-06	9.47E-06	2.53E-07	6.12E-06	1.35E-06	1.95E-06	3.09E-06	5.44E-07	6.25E-07	1.39E-05
242	488349.44	3856639.39	2.16E-02	2.33E-02	3.72E-02	7.46E-06	2.25E-05	1.30E-05	1.41E-05	1.28E-05	5.83E-06	9.31E-06	2.49E-07	6.02E-06	1.33E-06	1.91E-06	3.04E-06	5.35E-07	6.14E-07	1.37E-05
243	488399.44	3856639.39	2.13E-02	2.30E-02	3.67E-02	7.36E-06	2.22E-05	1.29E-05	1.39E-05	1.26E-05	5.75E-06	9.18E-06	2.46E-07	5.94E-06	1.31E-06	1.89E-06	2.99E-06	5.28E-07	6.06E-07	1.35E-05
244	488099.44	3856689.39	2.41E-02	2.60E-02	4.16E-02	8.33E-06	2.52E-05	1.46E-05	1.57E-05	1.43E-05	6.51E-06	1.04E-05	2.78E-07	6.72E-06	1.48E-06	2.14E-06	3.39E-06	5.97E-07	6.86E-07	1.53E-05
245	488149.44	3856689.39	2.36E-02	2.55E-02	4.08E-02	8.18E-06	2.47E-05	1.43E-05	1.55E-05	1.40E-05	6.39E-06	1.02E-05	2.73E-07	6.60E-06	1.46E-06	2.10E-06	3.33E-06	5.87E-07	6.74E-07	1.50E-05
246	488199.44	3856689.39	2.32E-02	2.51E-02	4.01E-02	8.05E-06	2.43E-05	1.41E-05	1.52E-05	1.38E-05	6.29E-06	1.00E-05	2.69E-07	6.49E-06	1.43E-06	2.06E-06	3.27E-06	5.77E-07	6.62E-07	1.48E-05
247	488249.44	3856689.39	2.28E-02	2.47E-02	3.94E-02	7.90E-06	2.39E-05	1.38E-05	1.49E-05	1.35E-05	6.17E-06	9.87E-06	2.64E-07	6.38E-06	1.41E-06	2.03E-06	3.21E-06	5.67E-07	6.51E-07	1.45E-05
248	488299.44	3856689.39	2.25E-02	2.43E-02	3.88E-02	7.78E-06	2.35E-05	1.36E-05	1.47E-05	1.33E-05	6.08E-06	9.72E-06	2.60E-07	6.28E-06	1.39E-06	2.00E-06	3.17E-06	5.58E-07	6.41E-07	1.43E-05
249	488349.44	3856689.39	2.21E-02	2.39E-02	3.82E-02	7.65E-06	2.31E-05	1.34E-05	1.45E-05	1.31E-05	5.98E-06	9.55E-06	2.56E-07	6.17E-06	1.36E-06	1.96E-06	3.11E-06	5.49E-07	6.30E-07	1.40E-05
250	488399.44	3856689.39	2.17E-02	2.34E-02	3.75E-02	7.51E-06	2.27E-05	1.31E-05	1.42E-05	1.29E-05	5.87E-06	9.38E-06	2.51E-07	6.06E-06	1.34E-06	1.93E-06	3.06E-06	5.39E-07	6.19E-07	1.38E-05
251	488099.44	3856739.39	2.48E-02	2.67E-02	4.28E-02	8.57E-06	2.59E-05	1.50E-05	1.62E-05	1.47E-05	6.69E-06	1.07E-05	2.86E-07	6.91E-06	1.53E-06	2.20E-06	3.49E-06	6.14E-07	7.06E-07	1.57E-05
252	488149.44	3856739.39	2.43E-02	2.62E-02	4.19E-02	8.40E-06	2.54E-05	1.47E-05	1.59E-05	1.44E-05	6.56E-06	1.05E-05	2.81E-07	6.78E-06	1.50E-06	2.15E-06	3.42E-06	6.02E-07	6.92E-07	1.54E-05
253	488199.44	3856739.39	2.39E-02	2.58E-02	4.12E-02	8.26E-06	2.50E-05	1.44E-05	1.56E-05	1.41E-05	6.46E-06	1.03E-05	2.76E-07	6.67E-06	1.47E-06	2.12E-06	3.36E-06	5.92E-07	6.81E-07	1.52E-05
254	488249.44	3856739.39	2.34E-02	2.53E-02	4.05E-02	8.11E-06	2.45E-05	1.42E-05	1.53E-05	1.39E-05	6.34E-06	1.01E-05	2.71E-07	6.54E-06	1.44E-06	2.08E-06	3.30E-06	5.82E-07	6.68E-07	1.49E-05
255	488299.44	3856739.39	2.30E-02	2.48E-02	3.97E-02	7.96E-06	2.40E-05	1.39E-05	1.50E-05	1.36E-05	6.21E-06	9.93E-06	2.66E-07	6.42E-06	1.42E-06	2.04E-06	3.24E-06	5.70E-07	6.55E-07	1.46E-05
256	488349.44	3856739.39	2.27E-02	2.45E-02	3.91E-02	7.84E-06	2.37E-05	1.37E-05	1.48E-05	1.34E-05	6.13E-06	9.79E-06	2.62E-07	6.32E-06	1.40E-06	2.01E-06	3.19E-06	5.62E-07	6.46E-07	1.44E-05
257	488399.44	3856739.39	2.23E-02	2.41E-02	3.85E-02	7.72E-06	2.33E-05	1.35E-05	1.46E-05	1.32E-05	6.03E-06	9.65E-06	2.58E-07	6.23E-06	1.37E-06	1.98E-06	3.14E-06	5.54E-07	6.36E-07	1.42E-05
258	487999.44	3856789.39	2.63E-02	2.85E-02	4.55E-02	9.12E-06	2.75E-05	1.59E-05	1.72E-05	1.56E-05	7.12E-06	1.14E-05	3.05E-07	7.36E-06	1.62E-06	2.34E-06	3.71E-06	6.54E-07	7.51E-07	1.67E-05
259	488049.44	3856789.39	2.59E-02	2.79E-02	4.47E-02	8.95E-06	2.70E-05	1.56E-05	1.69E-05	1.53E-05	6.99E-06	1.12E-05	2.99E-07	7.22E-06	1.59E-06	2.29E-06	3.64E-06	6.42E-07	7.37E-07	1.64E-05
260	488099.44	3856789.39	2.54E-02	2.75E-02	4.39E-02	8.80E-06	2.66E-05	1.54E-05	1.66E-05	1.51E-05	6.87E-06	1.10E-05	2.94E-07	7.09E-06	1.57E-06	2.26E-06	3.58E-06	6.31E-07	7.25E-07	1.61E-05
261	488149.44	3856789.39	2.49E-02	2.69E-02	4.31E-02	8.63E-06	2.61E-05	1.51E-05	1.63E-05	1.48E-05	6.74E-06	1.08E-05	2.88E-07	6.96E-06	1.54E-06	2.21E-06	3.51E-06	6.19E-07	7.11E-07	1.58E-05
262	488199.44	3856789.39	2.45E-02	2.65E-02	4.23E-02	8.48E-06	2.56E-05	1.48E-05	1.60E-05	1.45E-05	6.62E-06	1.06E-05	2.83E-07	6.84E-06	1.51E-06	2.17E-06	3.45E-06	6.08E-07	6.98E-07	1.56E-05
263	488249.44	3856789.39	2.40E-02	2.60E-02	4.15E-02	8.32E-06	2.51E-05	1.45E-05	1.57E-05	1.42E-05	6.50E-06	1.04E-05	2.78E-07	6.71E-06	1.48E-06	2.13E-06	3.38E-06	5.96E-07	6.85E-07	1.53E-05
264	488299.44	3856789.39	2.36E-02	2.55E-02	4.07E-02	8.16E-06	2.46E-05	1.43E-05	1.54E-05	1.40E-05	6.38E-06	1.02E-05	2.73E-07	6.58E-06	1.45E-06	2.09E-06	3.32E-06	5.85E-07	6.72E-07	1.50E-05
265	488349.44	3856789.39	2.32E-02	2.51E-02	4.01E-02	8.04E-06	2.43E-05	1.40E-05	1.52E-05	1.38E-05	6.28E-06	1.00E-05	2.68E-07	6.48E-06	1.43E-06	2.06E-06	3.27E-06	5.76E-07	6.62E-07	1.48E-05
266	488399.44	3856789.39	2.28E-02	2.47E-02	3.95E-02	7.91E-06	2.39E-05	1.38E-05	1.49E-05	1.35E-05	6.18E-06	9.88E-06	2.64E-07	6.38E-06	1.41E-06	2.03E-06	3.22E-06	5.67E-07	6.51E-07	1.45E-05
267	487949.44	3856839.39	2.76E-02	2.98E-02	4.77E-02	9.56E-06	2.89E-05	1.67E-05	1.81E-05	1.64E-05	7.47E-06	1.19E-05	3.19E-07	7.71E-06	1.70E-06	2.45E-06	3.89E-06	6.86E-07	7.88E-07	1.75E-05
268	487999.44	3856839.39	2.71E-02	2.93E-02	4.68E-02	9.38E-06	2.83E-05	1.64E-05	1.77E-05	1.61E-05	7.32E-06	1.17E-05	3.13E-07	7.56E-06	1.67E-06	2.40E-06	3.81E-06	6.72E-07	7.73E-07	1.72E-05
269	488049.44	3856839.39	2.66E-02	2.87E-02	4.59E-02	9.19E-06	2.78E-05	1.61E-05	1.74E-05	1.57E-05	7.18E-06	1.15E-05	3.07E-07	7.42E-06	1.64E-06	2.36E-06	3.74E-06	6.59E-07	7.58E-07	1.69E-05
270	488099.44	3856839.39	2.61E-02	2.82E-02	4.51E-02	9.02E-06	2.72E-05	1.58E-05	1.70E-05	1.55E-05	7.05E-06	1.13E-05	3.01E-07	7.28E-06	1.61E-06	2.31E-06	3.67E-06	6.47E-07	7.44E-07	1.66E-05
271	488149.44	3856839.39	2.56E-02	2.77E-02	4.42E-02	8.86E-06	2.67E-05	1.55E-05	1.67E-05	1.52E-05	6.92E-06	1.11E-05	2.96E-07	7.15E-06	1.58E-06	2.27E-06	3.60E-06	6.35E-07	7.30E-07	1.63E-05
272	488199.44	3856839.39	2.51E-02	2.71E-02	4.34E-02	8.70E-06	2.63E-05	1.52E-05	1.64E-05	1.49E-05	6.79E-06	1.09E-05	2.90E-07	7.01E-06	1.55E-06	2.23E-06	3.54E-06	6.24E-07	7.17E-07	1.60E-05
273	487949.44	3856889.39	2.84E-02	3.07E-02	4.91E-02	9.83E-06	2.97E-05	1.72E-05	1.86E-05	1.68E-05	7.68E-06	1.23E-05	3.28E-07	7.93E-06	1.75E-06	2.52E-06	4.00E-06	7.05E-07	8.11E-07	1.80E-05
274	487999.44	3856889.39	2.79E-02	3.01E-02	4.82E-02	9.65E-06	2.91E-05	1.69E-05	1.82E-05	1.65E-05	7.54E-06	1.21E-05	3.22E-07	7.78E-06	1.72E-06	2.47E-06	3.92E-06	6.92E-07	7.95E-07	1.77E-05
275	488049.44	3856889.39	2.73E-02	2.95E-02	4.72E-02	9.44E-06	2.85E-05	1.65E-05	1.78E-05	1.62E-05	7.38E-06	1.18E-05	3.15E-07	7.62E-06	1.68E-06	2.42E-06	3.84E-06	6.77E-07	7.79E-07	1.73E-05
276	488099.44	3856889.39	2.68E-02	2.89E-02	4.63E-02	9.27E-06	2.80E-05	1.62E-05	1.75E-05	1.59E-05	7.24E-06	1.16E-05	3.09E-07	7.48E-06	1.65E-06	2.38E-06	3.77E-06	6.65E-07	7.64E-07	1.70E-05
277	488635.86	3857895.05	3.02E-02	3.27E-02	5.27E-02	1.05E-05	3.16E-05	1.83E-05	1.98E-05	1.79E-05	8.18E-06	1.32E-05	3.49E-07	8.44E-06	1.86E-06	2.69E-06	4.26E-06	7.51E-07	8.69E-07	1.92E-05
278	489137.64	3857804.15	2.27E-02	2.46E-02	3.95E-02	7.86E-06	2.37E-05	1.37E-05	1.49E-05	1.35E-05	6.15E-06	9.89E-06	2.63E-07	6.34E-06	1.40E-06	2.02E-06	3.20E-06	5.64E-07	6.53E-07	1.44E-05
279	488617.32	3857859.41	3.04E-02	3.29E-02	5.29E-02	1.05E-05	3.18E-05	1.84E-05	1.99E-05	1.80E-05	8.23E-06	1.33E-05	3.51E-07	8.49E-06	1.87E-06	2.70E-06	4.28E-06	7.55E-07	8.74E-07	1.93E-05
280	488667.32	3857859.41	2.95E-02	3.19E-02	5.14E-02	1.02E-05	3.08E-05	1.78E-05	1.93E-05	1.75E-05	7.98E-06	1.29E-05	3.41E-07	8.23E-06	1.82E-06	2.62E-06	4.16E-06	7.32E-07	8.48E-07	1.87E-05
281	488717.32	3857859.41	2.86E-02	3.10E-02	4.98E-02	9.91E-06	2.99E-05	1.73E-05	1.87E-05	1.70E-05	7.75E-06	1.25E-05	3.31E-07	7.99E-06	1.76E-06	2.54E-06	4.03E-06	7.11E-07	8.23E-07	1.82E-05
282	488767.32	3857859.41	2.78E-02	3.00E-02	4.83E-02	9.61E-06	2.90E-05	1.68E-05	1.82E-05	1.65E-05	7.51E-06	1.21E-05	3.21E-07	7.75E-06	1.71E-06	2.47E-06	3.91E-06	6.89E-07	7.98E-07	1.76E-05
283	488617.32	3857909.41	3.07E-02	3.32E-02	5.35E-02	1.06E-05	3.21E-05	1.86E-05	2.01E-05	1.82E-05	8.30E-06	1.34E-05	3.55E-07	8.57E-06	1.89E-06	2.73E-06	4.32E-06	7.62E-07	8.82E-07	1.95E-05
284	488667.32	3857909.41	2.97E-02	3.21E-02	5.16E-02	1.03E-05	3.10E-05	1.79E-05	1.94E-05	1.76E-05	8.03E-06	1.29E-05	3.43E-07	8.28E-06	1.83E-06	2.64E-06	4.18E-06	7.37E-07	8.52E-07	1.89E-05
285	488717.32	3857909.41	2.88E-02	3.12E-02	5.02E-02	9.97E-06	3.01E-05	1.74E-05	1.89E-05	1.71E-05	7.80E-06	1.26E-05	3.33E-07	8.04E-06	1.77E-06	2.56E-06	4.06E-06	7.16E-07	8.28E-07	1.83E-05
286	488767.32	3857909.41	2.79E-02	3.02E-02	4.86E-02	9.66E-06	2.92E-05	1.69E-05	1.83E-05	1.66E-05	7.56E-06	1.22E-05	3.23E-07	7.79E-06	1.72E-06	2.48E-06	3.93E-06	6.93E-07	8.02E-07	1.77E-05
287	488417.32	3857959.41	3.58E-02	3.87E-02	6.25E-02	1.24E-05	3.74E-05	2.17E-05	2.34E-05	2.12E-05	9.70E-06	1.57E-05	4.14E-07	1.00E-05	2.21E-06	3.18E-06	5.05E-06	8.90E-07	1.03E-06	2.28E-05
288	488467.32	3857959.41	3.44E-02	3.73E-02	6.01E-02	1.19E-05	3.60E-05	2.08E-05	2.26E-05	2.04E-05	9.33E-06	1.50E-05	3.98E-07	9.62E-06	2.12E-06	3.06E-06	4.86E-06	8.56E-07	9.92E-07	2.19E-05

289	488517.32	3857959.41	3.32E-02	3.59E-02	5.79E-02	1.15E-05	3.47E-05	2.01E-05	2.17E-05	1.97E-05	8.98E-06	1.45E-05	3.84E-07	9.26E-06	2.04E-06	2.95E-06	4.68E-06	8.24E-07	9.55E-07	2.11E-05
290	488567.32	3857959.41	3.20E-02	3.46E-02	5.57E-02	1.11E-05	3.34E-05	1.94E-05	2.09E-05	1.90E-05	8.66E-06	1.40E-05	3.70E-07	8.93E-06	1.97E-06	2.84E-06	4.51E-06	7.95E-07	9.20E-07	2.03E-05
291	488617.32	3857959.41	3.09E-02	3.34E-02	5.38E-02	1.07E-05	3.23E-05	1.87E-05	2.02E-05	1.83E-05	8.37E-06	1.35E-05	3.57E-07	8.63E-06	1.90E-06	2.75E-06	4.36E-06	7.68E-07	8.89E-07	1.97E-05
292	488667.32	3857959.41	2.99E-02	3.23E-02	5.21E-02	1.04E-05	3.13E-05	1.81E-05	1.96E-05	1.77E-05	8.09E-06	1.30E-05	3.46E-07	8.35E-06	1.84E-06	2.66E-06	4.21E-06	7.43E-07	8.60E-07	1.90E-05
293	488717.32	3857959.41	2.89E-02	3.13E-02	5.04E-02	1.00E-05	3.02E-05	1.75E-05	1.89E-05	1.72E-05	7.83E-06	1.26E-05	3.34E-07	8.08E-06	1.78E-06	2.57E-06	4.08E-06	7.19E-07	8.31E-07	1.84E-05
294	488767.32	3857959.41	2.80E-02	3.03E-02	4.88E-02	9.70E-06	2.93E-05	1.70E-05	1.83E-05	1.66E-05	7.59E-06	1.22E-05	3.24E-07	7.83E-06	1.73E-06	2.49E-06	3.95E-06	6.96E-07	8.06E-07	1.78E-05
295	488417.32	3858009.41	3.63E-02	3.93E-02	6.35E-02	1.26E-05	3.80E-05	2.20E-05	2.38E-05	2.16E-05	9.84E-06	1.59E-05	4.20E-07	1.01E-05	2.24E-06	3.23E-06	5.13E-06	9.03E-07	1.05E-06	2.31E-05
296	488467.32	3858009.41	3.49E-02	3.77E-02	6.09E-02	1.21E-05	3.65E-05	2.11E-05	2.28E-05	2.07E-05	9.44E-06	1.52E-05	4.03E-07	9.74E-06	2.15E-06	3.10E-06	4.92E-06	8.67E-07	1.00E-06	2.22E-05
297	488517.32	3858009.41	3.35E-02	3.63E-02	5.84E-02	1.16E-05	3.50E-05	2.03E-05	2.19E-05	1.99E-05	9.08E-06	1.46E-05	3.88E-07	9.36E-06	2.07E-06	2.98E-06	4.73E-06	8.33E-07	9.65E-07	2.13E-05
298	488567.32	3858009.41	3.23E-02	3.49E-02	5.62E-02	1.12E-05	3.37E-05	1.95E-05	2.11E-05	1.91E-05	8.73E-06	1.41E-05	3.73E-07	9.01E-06	1.99E-06	2.87E-06	4.55E-06	8.01E-07	9.28E-07	2.05E-05
299	488617.32	3858009.41	3.11E-02	3.37E-02	5.42E-02	1.08E-05	3.25E-05	1.88E-05	2.04E-05	1.85E-05	8.43E-06	1.36E-05	3.60E-07	8.69E-06	1.92E-06	2.77E-06	4.39E-06	7.73E-07	8.95E-07	1.98E-05
300	488667.32	3858009.41	3.01E-02	3.25E-02	5.24E-02	1.04E-05	3.14E-05	1.82E-05	1.97E-05	1.78E-05	8.14E-06	1.31E-05	3.48E-07	8.40E-06	1.85E-06	2.67E-06	4.24E-06	7.47E-07	8.65E-07	1.91E-05
301	488717.32	3858009.41	2.91E-02	3.14E-02	5.06E-02	1.01E-05	3.04E-05	1.76E-05	1.90E-05	1.72E-05	7.86E-06	1.27E-05	3.36E-07	8.11E-06	1.79E-06	2.58E-06	4.10E-06	7.22E-07	8.35E-07	1.85E-05
302	488767.32	3858009.41	2.81E-02	3.04E-02	4.89E-02	9.73E-06	2.94E-05	1.70E-05	1.84E-05	1.67E-05	7.61E-06	1.22E-05	3.25E-07	7.85E-06	1.73E-06	2.50E-06	3.96E-06	6.98E-07	8.08E-07	1.79E-05
303	488417.32	3858059.41	3.69E-02	3.99E-02	6.44E-02	1.28E-05	3.85E-05	2.23E-05	2.41E-05	2.19E-05	9.99E-06	1.61E-05	4.26E-07	1.03E-05	2.27E-06	3.28E-06	5.20E-06	9.16E-07	1.06E-06	2.35E-05
304	488467.32	3858059.41	3.53E-02	3.82E-02	6.15E-02	1.22E-05	3.69E-05	2.14E-05	2.31E-05	2.09E-05	9.56E-06	1.54E-05	4.08E-07	9.85E-06	2.17E-06	3.14E-06	4.98E-06	8.77E-07	1.02E-06	2.24E-05
305	488517.32	3858059.41	3.38E-02	3.66E-02	5.90E-02	1.17E-05	3.54E-05	2.05E-05	2.22E-05	2.01E-05	9.16E-06	1.48E-05	3.91E-07	9.45E-06	2.09E-06	3.01E-06	4.77E-06	8.41E-07	9.74E-07	2.15E-05
306	488567.32	3858059.41	3.25E-02	3.52E-02	5.66E-02	1.13E-05	3.40E-05	1.97E-05	2.13E-05	1.93E-05	8.80E-06	1.42E-05	3.76E-07	9.07E-06	2.00E-06	2.89E-06	4.58E-06	8.07E-07	9.34E-07	2.07E-05
307	488617.32	3858059.41	3.13E-02	3.38E-02	5.44E-02	1.08E-05	3.27E-05	1.89E-05	2.05E-05	1.85E-05	8.46E-06	1.36E-05	3.61E-07	8.73E-06	1.93E-06	2.78E-06	4.41E-06	7.77E-07	8.98E-07	1.99E-05
308	488667.32	3858059.41	3.01E-02	3.26E-02	5.25E-02	1.04E-05	3.15E-05	1.82E-05	1.97E-05	1.79E-05	8.16E-06	1.31E-05	3.48E-07	8.42E-06	1.86E-06	2.68E-06	4.25E-06	7.49E-07	8.66E-07	1.92E-05
309	488417.32	3858109.41	3.75E-02	4.06E-02	6.55E-02	1.30E-05	3.92E-05	2.27E-05	2.46E-05	2.23E-05	1.02E-05	1.64E-05	4.34E-07	1.05E-05	2.31E-06	3.33E-06	5.29E-06	9.32E-07	1.08E-06	2.39E-05
310	488467.32	3858109.41	3.57E-02	3.87E-02	6.24E-02	1.24E-05	3.74E-05	2.16E-05	2.34E-05	2.12E-05	9.68E-06	1.56E-05	4.13E-07	9.98E-06	2.20E-06	3.18E-06	5.04E-06	8.88E-07	1.03E-06	2.27E-05
311	488517.32	3858109.41	3.41E-02	3.69E-02	5.95E-02	1.18E-05	3.57E-05	2.07E-05	2.23E-05	2.03E-05	9.24E-06	1.49E-05	3.95E-07	9.53E-06	2.10E-06	3.03E-06	4.81E-06	8.48E-07	9.82E-07	2.17E-05
312	488567.32	3858109.41	3.27E-02	3.54E-02	5.69E-02	1.13E-05	3.42E-05	1.98E-05	2.14E-05	1.94E-05	8.85E-06	1.42E-05	3.78E-07	9.13E-06	2.01E-06	2.91E-06	4.61E-06	8.12E-07	9.40E-07	2.08E-05
313	488617.32	3858109.41	3.13E-02	3.39E-02	5.45E-02	1.09E-05	3.28E-05	1.90E-05	2.05E-05	1.86E-05	8.48E-06	1.36E-05	3.62E-07	8.75E-06	1.93E-06	2.79E-06	4.42E-06	7.79E-07	9.00E-07	1.99E-05
314	488667.32	3858109.41	3.02E-02	3.26E-02	5.25E-02	1.04E-05	3.15E-05	1.83E-05	1.97E-05	1.79E-05	8.16E-06	1.31E-05	3.49E-07	8.42E-06	1.86E-06	2.68E-06	4.25E-06	7.49E-07	8.66E-07	1.92E-05
315	488769.93	3858449.27	2.28E-02	2.45E-02	3.83E-02	7.88E-06	2.38E-05	1.38E-05	1.48E-05	1.34E-05	6.13E-06	9.60E-06	2.63E-07	6.35E-06	1.40E-06	2.01E-06	3.19E-06	5.63E-07	6.33E-07	1.44E-05
316	488819.93	3858449.27	2.19E-02	2.36E-02	3.70E-02	7.60E-06	2.29E-05	1.33E-05	1.43E-05	1.30E-05	5.92E-06	9.26E-06	2.54E-07	6.13E-06	1.35E-06	1.94E-06	3.08E-06	5.43E-07	6.11E-07	1.39E-05
317	488819.93	3858499.27	2.08E-02	2.24E-02	3.46E-02	7.20E-06	2.17E-05	1.26E-05	1.35E-05	1.23E-05	5.60E-06	8.65E-06	2.40E-07	5.81E-06	1.28E-06	1.84E-06	2.92E-06	5.14E-07	5.70E-07	1.32E-05
318	488869.93	3858499.27	2.01E-02	2.17E-02	3.35E-02	6.97E-06	2.11E-05	1.22E-05	1.31E-05	1.19E-05	5.42E-06	8.39E-06	2.33E-07	5.62E-06	1.24E-06	1.78E-06	2.82E-06	4.98E-07	5.53E-07	1.28E-05
319	488869.93	3858549.27	1.92E-02	2.06E-02	3.14E-02	6.63E-06	2.00E-05	1.16E-05	1.24E-05	1.13E-05	5.15E-06	7.85E-06	2.22E-07	5.35E-06	1.18E-06	1.69E-06	2.68E-06	4.73E-07	5.18E-07	1.21E-05
320	489438.17	3859571.48	4.45E-03	4.80E-03	7.52E-03	1.54E-06	4.66E-06	2.69E-06	2.90E-06	2.63E-06	1.20E-06	1.88E-06	5.15E-08	1.24E-06	2.74E-07	3.94E-07	6.25E-07	1.10E-07	1.24E-07	2.82E-06
321	489488.17	3859571.48	4.43E-03	4.77E-03	7.48E-03	1.53E-06	4.63E-06	2.68E-06	2.89E-06	2.62E-06	1.19E-06	1.87E-06	5.12E-08	1.24E-06	2.73E-07	3.92E-07	6.22E-07	1.10E-07	1.23E-07	2.81E-06
322	489538.17	3859571.48	4.41E-03	4.75E-03	7.45E-03	1.53E-06	4.61E-06	2.67E-06	2.87E-06	2.61E-06	1.19E-06	1.86E-06	5.10E-08	1.23E-06	2.72E-07	3.90E-07	6.19E-07	1.09E-07	1.23E-07	2.80E-06
323	489588.17	3859571.48	4.39E-03	4.73E-03	7.41E-03	1.52E-06	4.59E-06	2.66E-06	2.86E-06	2.59E-06	1.18E-06	1.86E-06	5.07E-08	1.23E-06	2.70E-07	3.89E-07	6.16E-07	1.09E-07	1.22E-07	2.78E-06
324	489438.17	3859621.48	4.30E-03	4.63E-03	7.26E-03	1.49E-06	4.49E-06	2.60E-06	2.80E-06	2.54E-06	1.16E-06	1.82E-06	4.97E-08	1.20E-06	2.65E-07	3.81E-07	6.04E-07	1.06E-07	1.20E-07	2.73E-06
325	489488.17	3859621.48	4.27E-03	4.61E-03	7.22E-03	1.48E-06	4.47E-06	2.59E-06	2.79E-06	2.53E-06	1.15E-06	1.81E-06	4.94E-08	1.19E-06	2.63E-07	3.78E-07	6.00E-07	1.06E-07	1.19E-07	2.71E-06
326	489538.17	3859621.48	4.25E-03	4.58E-03	7.18E-03	1.47E-06	4.44E-06	2.57E-06	2.77E-06	2.51E-06	1.15E-06	1.80E-06	4.91E-08	1.19E-06	2.62E-07	3.76E-07	5.97E-07	1.05E-07	1.19E-07	2.70E-06
327	489588.17	3859621.48	4.23E-03	4.56E-03	7.16E-03	1.47E-06	4.42E-06	2.56E-06	2.76E-06	2.50E-06	1.14E-06	1.79E-06	4.89E-08	1.18E-06	2.61E-07	3.75E-07	5.95E-07	1.05E-07	1.18E-07	2.68E-06
328	489238.17	3859671.48	4.23E-03	4.56E-03	7.16E-03	1.47E-06	4.43E-06	2.56E-06	2.76E-06	2.50E-06	1.14E-06	1.79E-06	4.90E-08	1.18E-06	2.61E-07	3.75E-07	5.95E-07	1.05E-07	1.18E-07	2.68E-06
329	489288.17	3859671.48	4.22E-03	4.55E-03	7.13E-03	1.46E-06	4.41E-06	2.55E-06	2.75E-06	2.49E-06	1.14E-06	1.78E-06	4.88E-08	1.18E-06	2.60E-07	3.73E-07	5.92E-07	1.04E-07	1.18E-07	2.67E-06
330	489338.17	3859671.48	4.20E-03	4.53E-03	7.10E-03	1.45E-06	4.39E-06	2.54E-06	2.74E-06	2.48E-06	1.13E-06	1.78E-06	4.86E-08	1.17E-06	2.59E-07	3.72E-07	5.90E-07	1.04E-07	1.17E-07	2.66E-06
331	489388.17	3859671.48	4.19E-03	4.51E-03	7.08E-03	1.45E-06	4.37E-06	2.53E-06	2.73E-06	2.47E-06	1.13E-06	1.77E-06	4.84E-08	1.17E-06	2.58E-07	3.70E-07	5.88E-07	1.04E-07	1.17E-07	2.65E-06
332	489438.17	3859671.48	4.16E-03	4.48E-03	7.03E-03	1.44E-06	4.35E-06	2.52E-06	2.71E-06	2.46E-06	1.12E-06	1.76E-06	4.81E-08	1.16E-06	2.56E-07	3.68E-07	5.84E-07	1.03E-07	1.16E-07	2.64E-06
333	489488.17	3859671.48	4.14E-03	4.46E-03	7.00E-03	1.43E-06	4.33E-06	2.51E-06	2.70E-06	2.45E-06	1.12E-06	1.75E-06	4.79E-08	1.16E-06	2.55E-07	3.67E-07	5.81E-07	1.02E-07	1.16E-07	2.63E-06
334	489538.17	3859671.48	4.12E-03	4.44E-03	6.97E-03	1.43E-06	4.30E-06	2.49E-06	2.69E-06	2.43E-06	1.11E-06	1.74E-06	4.76E-08	1.15E-06	2.54E-07	3.65E-07	5.78E-07	1.02E-07	1.15E-07	2.61E-06
335	489588.17	3859671.48	4.10E-03	4.42E-03	6.93E-03	1.42E-06	4.28E-06	2.48E-06	2.67E-06	2.42E-06	1.11E-06	1.74E-06	4.74E-08	1.14E-06	2.52E-07	3.63E-07	5.75E-07	1.01E-07	1.14E-07	2.60E-06
336	489238.17	3859721.48	4.09E-03	4.41E-03	6.92E-03	1.42E-06	4.28E-06	2.48E-06	2.67E-06	2.42E-06	1.10E-06	1.73E-06	4.73E-08	1.14E-06	2.52E-07	3.62E-07	5.75E-07	1.01E-07	1.14E-07	2.60E-06
337	489288.17	3859721.48	4.09E-03	4.40E-03	6.91E-03	1.41E-06	4.27E-06	2.47E-06	2.66E-06	2.42E-06	1.10E-06	1.73E-06	4.72E-08	1.14E-06	2.52E-07	3.62E-07	5.74E-07	1.01E-07	1.14E-07	2.59E-06
338	489338.17	3859721.48	4.07E-03	4.39E-03	6.89E-03	1.41E-06	4.26E-06	2.46E-06	2.66E-06	2.41E-06	1.10E-06	1.72E-06	4.71E-08	1.14E-06	2.51E-07	3.61E-07	5.72E-07	1.01E-07	1.14E-07	2.58E-06
339	489388.17	3859721.48	4.05E-03	4.37E-03	6.86E-03	1.40E-06	4.24E-06	2.45E-06	2.64E-06	2.40E-06	1.09E-06	1.72E-06	4.69E-08	1.13E-06	2.50E-07	3.59E-07	5.69E-07	1.00E-07	1.13E-07	2.57E-06
340	489438.17	3859721.48	4.03E-03	4.35E-03	6.82E-03	1.40E-06	4.21E-06	2.44E-06	2.63E-06	2.38E-06	1.09E-06	1.71E-06	4.66E-08	1.13E-06	2.48E-07	3.57E-07	5.66E-07	9.98E-08	1.13E-07	2.56E-06
341	489488.17	3859721.48	4.02E-03	4.33E-03	6.80E-03	1.39E-06	4.20E-06	2.43E-06	2.62E-06	2.37E-06	1.08E-06	1.70E-06	4.64E-08	1.12E-06	2.47E-07	3.56E-07	5.64E-07	9.94E-08	1.12E-07	2.55E-06
342	489538.17	3859721.48	3.99E-03	4.31E-03	6.76E-03	1.38E-06	4.18E-06	2.42E-06	2.61E-06	2.36E-06	1.08E-06	1.69E-06	4.62E-08	1.12E-06	2.46E-07	3.54E-07	5.61E-07	9.89E-08	1.12E-07	2.53E-06
343	489588.17	3859721.48	3.97E-03	4.28E-03	6.73E-03	1.38E-06	4.15E-06	2.40E-06	2.59E-06	2.35E-06	1.07E-06	1.68E-06	4.59E-08	1.11E-06	2.45E-07	3.52E-07	5.58E-07	9.84E-08	1.11E-07	2.52E-06
344	489238.17	3859771.48	3.96E-03	4.27E-03	6.70E-03	1.37E-06	4.14E-06	2.40E-06	2.58E-06	2.34E-06	1.07E-06	1.68E-06	4.58E-08	1.11E-06	2.44E-07	3.51E-07	5.56E-07	9.80E-08	1.11E-07	2.51E-06
345	489288.17	3859771.48	3.96E-03	4.26E-03	6.70E-03	1.37E-06	4.14E-06	2.39E-06	2.58E-06	2.34E-06	1.07E-06	1.68E-06	4.57E-08	1.10E-06	2.44E-07	3.50E-07	5.56E-07	9.79E-08	1.11E-07	2.51E-06
346	489338.17	3859771.48	3.94E-03	4.25E-03	6.67E-03	1.36E-06	4.12E-06	2.39E-06	2.57E-06	2.33E-06	1.06E-06	1.67E-06	4.56E-08	1.10E-06	2.43E-07	3.49E-07	5.54E-07	9.76E-08	1.10E-07	2.50E-06
347	489388.17	3859771.48	3.93E-03	4.24E-03	6.65E-03	1.36E-06	4.11E-06	2.38E-06	2.56E-06	2.32E-06	1.06E-06	1.67E-06	4.54E-08	1.10E-06	2.42E-07	3.48E-07	5.52E-07	9.73E-08	1.10E-07	2.49E-06

348	489438.17	3859771.48	3.91E-03	4.21E-03	6.62E-03	1.35E-06	4.09E-06	2.37E-06	2.55E-06	2.31E-06	1.05E-06	1.66E-06	4.52E-08	1.09E-06	2.41E-07	3.46E-07	5.49E-07	9.68E-08	1.09E-07	2.48E-06
349	489488.17	3859771.48	3.90E-03	4.20E-03	6.61E-03	1.35E-06	4.08E-06	2.36E-06	2.54E-06	2.31E-06	1.05E-06	1.65E-06	4.51E-08	1.09E-06	2.40E-07	3.45E-07	5.48E-07	9.65E-08	1.09E-07	2.47E-06
350	489538.17	3859771.48	3.88E-03	4.19E-03	6.58E-03	1.34E-06	4.06E-06	2.35E-06	2.53E-06	2.30E-06	1.05E-06	1.65E-06	4.49E-08	1.08E-06	2.39E-07	3.44E-07	5.45E-07	9.61E-08	1.09E-07	2.46E-06
351	489588.17	3859771.48	3.86E-03	4.16E-03	6.54E-03	1.34E-06	4.03E-06	2.34E-06	2.52E-06	2.28E-06	1.04E-06	1.64E-06	4.46E-08	1.08E-06	2.38E-07	3.42E-07	5.42E-07	9.56E-08	1.08E-07	2.45E-06
352	489238.17	3859821.48	3.83E-03	4.13E-03	6.48E-03	1.33E-06	4.00E-06	2.32E-06	2.50E-06	2.26E-06	1.03E-06	1.62E-06	4.43E-08	1.07E-06	2.36E-07	3.39E-07	5.38E-07	9.48E-08	1.07E-07	2.43E-06
353	489288.17	3859821.48	3.83E-03	4.13E-03	6.49E-03	1.33E-06	4.00E-06	2.32E-06	2.50E-06	2.26E-06	1.03E-06	1.62E-06	4.43E-08	1.07E-06	2.36E-07	3.39E-07	5.38E-07	9.48E-08	1.07E-07	2.43E-06
354	489338.17	3859821.48	3.82E-03	4.12E-03	6.47E-03	1.32E-06	3.99E-06	2.31E-06	2.49E-06	2.26E-06	1.03E-06	1.62E-06	4.42E-08	1.07E-06	2.35E-07	3.38E-07	5.37E-07	9.46E-08	1.07E-07	2.42E-06
355	489388.17	3859821.48	3.81E-03	4.11E-03	6.46E-03	1.32E-06	3.98E-06	2.31E-06	2.49E-06	2.25E-06	1.03E-06	1.62E-06	4.41E-08	1.06E-06	2.35E-07	3.37E-07	5.35E-07	9.44E-08	1.07E-07	2.42E-06
356	489438.17	3859821.48	3.80E-03	4.10E-03	6.45E-03	1.32E-06	3.97E-06	2.30E-06	2.48E-06	2.25E-06	1.03E-06	1.61E-06	4.40E-08	1.06E-06	2.34E-07	3.37E-07	5.34E-07	9.42E-08	1.06E-07	2.41E-06
357	489488.17	3859821.48	3.79E-03	4.09E-03	6.43E-03	1.31E-06	3.96E-06	2.29E-06	2.47E-06	2.24E-06	1.02E-06	1.61E-06	4.38E-08	1.06E-06	2.34E-07	3.36E-07	5.33E-07	9.39E-08	1.06E-07	2.40E-06
358	489538.17	3859821.48	3.78E-03	4.07E-03	6.40E-03	1.31E-06	3.95E-06	2.29E-06	2.46E-06	2.23E-06	1.02E-06	1.60E-06	4.37E-08	1.05E-06	2.33E-07	3.34E-07	5.31E-07	9.35E-08	1.06E-07	2.40E-06
359	489588.17	3859821.48	3.76E-03	4.05E-03	6.37E-03	1.30E-06	3.93E-06	2.27E-06	2.45E-06	2.22E-06	1.01E-06	1.59E-06	4.34E-08	1.05E-06	2.31E-07	3.33E-07	5.28E-07	9.30E-08	1.05E-07	2.38E-06
360	489238.17	3859871.48	3.71E-03	4.00E-03	6.28E-03	1.28E-06	3.88E-06	2.24E-06	2.42E-06	2.19E-06	1.00E-06	1.57E-06	4.29E-08	1.04E-06	2.28E-07	3.28E-07	5.21E-07	9.18E-08	1.04E-07	2.35E-06
361	489288.17	3859871.48	3.71E-03	4.00E-03	6.28E-03	1.28E-06	3.87E-06	2.24E-06	2.42E-06	2.19E-06	1.00E-06	1.57E-06	4.29E-08	1.04E-06	2.28E-07	3.28E-07	5.21E-07	9.18E-08	1.04E-07	2.35E-06
362	489338.17	3859871.48	3.70E-03	3.99E-03	6.28E-03	1.28E-06	3.87E-06	2.24E-06	2.42E-06	2.19E-06	9.99E-07	1.57E-06	4.28E-08	1.03E-06	2.28E-07	3.28E-07	5.20E-07	9.17E-08	1.04E-07	2.35E-06
363	489388.17	3859871.48	3.70E-03	3.99E-03	6.28E-03	1.28E-06	3.87E-06	2.24E-06	2.41E-06	2.19E-06	9.99E-07	1.57E-06	4.28E-08	1.03E-06	2.28E-07	3.28E-07	5.20E-07	9.16E-08	1.04E-07	2.35E-06
364	489438.17	3859871.48	3.70E-03	3.99E-03	6.28E-03	1.28E-06	3.87E-06	2.24E-06	2.41E-06	2.19E-06	9.98E-07	1.57E-06	4.28E-08	1.03E-06	2.28E-07	3.28E-07	5.20E-07	9.16E-08	1.04E-07	2.35E-06
365	489488.17	3859871.48	3.70E-03	3.99E-03	6.27E-03	1.28E-06	3.86E-06	2.24E-06	2.41E-06	2.19E-06	9.98E-07	1.57E-06	4.27E-08	1.03E-06	2.28E-07	3.27E-07	5.19E-07	9.16E-08	1.04E-07	2.34E-06
366	489538.17	3859871.48	3.68E-03	3.97E-03	6.24E-03	1.27E-06	3.84E-06	2.23E-06	2.40E-06	2.18E-06	9.92E-07	1.56E-06	4.25E-08	1.03E-06	2.27E-07	3.26E-07	5.17E-07	9.11E-08	1.03E-07	2.33E-06
367	489588.17	3859871.48	3.66E-03	3.95E-03	6.21E-03	1.27E-06	3.83E-06	2.22E-06	2.39E-06	2.16E-06	9.88E-07	1.56E-06	4.23E-08	1.02E-06	2.26E-07	3.24E-07	5.14E-07	9.07E-08	1.03E-07	2.32E-06
368	489238.17	3859921.48	3.59E-03	3.87E-03	6.09E-03	1.24E-06	3.76E-06	2.18E-06	2.34E-06	2.13E-06	9.70E-07	1.52E-06	4.16E-08	1.00E-06	2.21E-07	3.18E-07	5.05E-07	8.90E-08	1.01E-07	2.28E-06
369	489288.17	3859921.48	3.60E-03	3.88E-03	6.10E-03	1.25E-06	3.76E-06	2.18E-06	2.35E-06	2.13E-06	9.71E-07	1.53E-06	4.16E-08	1.01E-06	2.22E-07	3.19E-07	5.06E-07	8.91E-08	1.01E-07	2.28E-06
370	489338.17	3859921.48	3.60E-03	3.88E-03	6.10E-03	1.25E-06	3.76E-06	2.18E-06	2.35E-06	2.13E-06	9.71E-07	1.53E-06	4.16E-08	1.01E-06	2.22E-07	3.19E-07	5.06E-07	8.91E-08	1.01E-07	2.28E-06
371	489388.17	3859921.48	3.60E-03	3.88E-03	6.11E-03	1.25E-06	3.76E-06	2.18E-06	2.35E-06	2.13E-06	9.72E-07	1.53E-06	4.16E-08	1.01E-06	2.22E-07	3.19E-07	5.06E-07	8.92E-08	1.01E-07	2.28E-06
372	489438.17	3859921.48	3.61E-03	3.89E-03	6.12E-03	1.25E-06	3.77E-06	2.18E-06	2.35E-06	2.13E-06	9.73E-07	1.53E-06	4.17E-08	1.01E-06	2.22E-07	3.19E-07	5.07E-07	8.93E-08	1.01E-07	2.29E-06
373	489488.17	3859921.48	3.60E-03	3.88E-03	6.11E-03	1.25E-06	3.76E-06	2.18E-06	2.35E-06	2.13E-06	9.71E-07	1.53E-06	4.16E-08	1.00E-06	2.22E-07	3.19E-07	5.06E-07	8.91E-08	1.01E-07	2.28E-06
374	489538.17	3859921.48	3.59E-03	3.87E-03	6.09E-03	1.24E-06	3.75E-06	2.17E-06	2.34E-06	2.12E-06	9.67E-07	1.52E-06	4.14E-08	1.00E-06	2.21E-07	3.18E-07	5.04E-07	8.88E-08	1.00E-07	2.27E-06
375	489588.17	3859921.48	3.57E-03	3.85E-03	6.07E-03	1.24E-06	3.73E-06	2.16E-06	2.33E-06	2.11E-06	9.64E-07	1.52E-06	4.13E-08	9.98E-07	2.20E-07	3.17E-07	5.02E-07	8.85E-08	1.00E-07	2.27E-06
376	489238.17	3859971.48	3.49E-03	3.76E-03	5.91E-03	1.21E-06	3.65E-06	2.11E-06	2.27E-06	2.06E-06	9.41E-07	1.48E-06	4.03E-08	9.74E-07	2.15E-07	3.09E-07	4.90E-07	8.63E-08	9.76E-08	2.21E-06
377	489288.17	3859971.48	3.49E-03	3.76E-03	5.92E-03	1.21E-06	3.65E-06	2.11E-06	2.28E-06	2.06E-06	9.42E-07	1.48E-06	4.04E-08	9.75E-07	2.15E-07	3.09E-07	4.91E-07	8.65E-08	9.78E-08	2.21E-06
378	489338.17	3859971.48	3.50E-03	3.77E-03	5.93E-03	1.21E-06	3.65E-06	2.12E-06	2.28E-06	2.07E-06	9.44E-07	1.48E-06	4.04E-08	9.76E-07	2.15E-07	3.10E-07	4.91E-07	8.66E-08	9.79E-08	2.22E-06
379	489388.17	3859971.48	3.50E-03	3.78E-03	5.95E-03	1.21E-06	3.66E-06	2.12E-06	2.29E-06	2.07E-06	9.46E-07	1.49E-06	4.05E-08	9.79E-07	2.16E-07	3.10E-07	4.92E-07	8.68E-08	9.82E-08	2.22E-06
380	489438.17	3859971.48	3.51E-03	3.79E-03	5.97E-03	1.22E-06	3.67E-06	2.12E-06	2.29E-06	2.08E-06	9.48E-07	1.49E-06	4.06E-08	9.81E-07	2.16E-07	3.11E-07	4.93E-07	8.70E-08	9.85E-08	2.23E-06
381	489488.17	3859971.48	3.51E-03	3.79E-03	5.98E-03	1.22E-06	3.67E-06	2.13E-06	2.29E-06	2.08E-06	9.48E-07	1.50E-06	4.06E-08	9.81E-07	2.17E-07	3.11E-07	4.94E-07	8.70E-08	9.86E-08	2.23E-06
382	489538.17	3859971.48	3.51E-03	3.78E-03	5.97E-03	1.21E-06	3.67E-06	2.12E-06	2.29E-06	2.07E-06	9.47E-07	1.49E-06	4.05E-08	9.79E-07	2.16E-07	3.11E-07	4.93E-07	8.69E-08	9.85E-08	2.22E-06
383	489588.17	3859971.48	3.49E-03	3.77E-03	5.95E-03	1.21E-06	3.65E-06	2.11E-06	2.28E-06	2.07E-06	9.43E-07	1.49E-06	4.04E-08	9.76E-07	2.15E-07	3.10E-07	4.91E-07	8.66E-08	9.82E-08	2.22E-06
384	483577.7	3854071	1.45E-02	1.58E-02	2.64E-02	5.02E-06	1.52E-05	8.77E-06	9.54E-06	8.65E-06	3.95E-06	6.60E-06	1.68E-07	4.05E-06	8.93E-07	1.30E-06	2.05E-06	3.62E-07	4.35E-07	9.26E-06
385	483627.7	3854071	1.38E-02	1.50E-02	2.50E-02	4.77E-06	1.44E-05	8.34E-06	9.07E-06	8.22E-06	3.75E-06	6.26E-06	1.59E-07	3.85E-06	8.49E-07	1.23E-06	1.95E-06	3.44E-07	4.13E-07	8.80E-06
386	483677.7	3854071	1.31E-02	1.42E-02	2.37E-02	4.52E-06	1.37E-05	7.91E-06	8.59E-06	7.79E-06	3.55E-06	5.92E-06	1.51E-07	3.65E-06	8.05E-07	1.17E-06	1.85E-06	3.26E-07	3.91E-07	8.34E-06
387	483727.7	3854071	1.24E-02	1.35E-02	2.24E-02	4.29E-06	1.30E-05	7.50E-06	8.15E-06	7.39E-06	3.37E-06	5.61E-06	1.43E-07	3.46E-06	7.64E-07	1.11E-06	1.76E-06	3.10E-07	3.70E-07	7.91E-06
388	483777.7	3854071	1.16E-02	1.26E-02	2.09E-02	4.01E-06	1.21E-05	7.01E-06	7.62E-06	6.91E-06	3.15E-06	5.23E-06	1.34E-07	3.24E-06	7.14E-07	1.03E-06	1.64E-06	2.89E-07	3.45E-07	7.39E-06
389	483577.7	3854121	1.60E-02	1.75E-02	2.94E-02	5.55E-06	1.68E-05	9.71E-06	1.06E-05	9.58E-06	4.37E-06	7.35E-06	1.85E-07	4.48E-06	9.88E-07	1.43E-06	2.28E-06	4.01E-07	4.85E-07	1.02E-05
390	483627.7	3854121	1.50E-02	1.64E-02	2.75E-02	5.21E-06	1.57E-05	9.11E-06	9.91E-06	8.98E-06	4.10E-06	6.87E-06	1.74E-07	4.20E-06	9.27E-07	1.35E-06	2.13E-06	3.76E-07	4.53E-07	9.61E-06
391	483677.7	3854121	1.40E-02	1.52E-02	2.55E-02	4.85E-06	1.46E-05	8.47E-06	9.22E-06	8.35E-06	3.81E-06	6.37E-06	1.62E-07	3.91E-06	8.63E-07	1.25E-06	1.99E-06	3.50E-07	4.20E-07	8.94E-06
392	483727.7	3854121	1.30E-02	1.41E-02	2.36E-02	4.50E-06	1.36E-05	7.87E-06	8.55E-06	7.75E-06	3.54E-06	5.90E-06	1.50E-07	3.63E-06	8.01E-07	1.16E-06	1.84E-06	3.25E-07	3.89E-07	8.30E-06
393	483777.7	3854121	1.23E-02	1.33E-02	2.22E-02	4.25E-06	1.28E-05	7.43E-06	8.08E-06	7.32E-06	3.34E-06	5.56E-06	1.42E-07	3.43E-06	7.57E-07	1.10E-06	1.74E-06	3.07E-07	3.67E-07	7.84E-06
394	483577.7	3854171	1.72E-02	1.88E-02	3.17E-02	5.97E-06	1.80E-05	1.04E-05	1.14E-05	1.03E-05	4.70E-06	7.92E-06	1.99E-07	4.81E-06	1.06E-06	1.54E-06	2.45E-06	4.31E-07	5.23E-07	1.10E-05
395	483627.7	3854171	1.59E-02	1.73E-02	2.90E-02	5.49E-06	1.66E-05	9.60E-06	1.04E-05	9.47E-06	4.32E-06	7.26E-06	1.83E-07	4.43E-06	9.77E-07	1.42E-06	2.25E-06	3.96E-07	4.79E-07	1.01E-05
396	483677.7	3854171	1.48E-02	1.61E-02	2.69E-02	5.12E-06	1.54E-05	8.94E-06	9.73E-06	8.82E-06	4.02E-06	6.74E-06	1.71E-07	4.13E-06	9.10E-07	1.32E-06	2.10E-06	3.69E-07	4.45E-07	9.44E-06
397	483727.7	3854171	1.39E-02	1.51E-02	2.53E-02	4.81E-06	1.45E-05	8.40E-06	9.14E-06	8.29E-06	3.78E-06	6.32E-06	1.61E-07	3.88E-06	8.56E-07	1.24E-06	1.97E-06	3.47E-07	4.17E-07	8.87E-06
398	483777.7	3854171	1.30E-02	1.41E-02	2.36E-02	4.50E-06	1.36E-05	7.87E-06	8.56E-06	7.76E-06	3.54E-06	5.91E-06	1.50E-07	3.63E-06	8.02E-07	1.16E-06	1.84E-06	3.25E-07	3.90E-07	8.30E-06
399	483827.7	3854171	1.20E-02	1.30E-02	2.16E-02	4.14E-06	1.25E-05	7.24E-06	7.87E-06	7.13E-06	3.25E-06	5.42E-06	1.38E-07	3.34E-06	7.37E-07	1.07E-06	1.69E-06	2.99E-07	3.57E-07	7.63E-06
400	483877.7	3854171	1.13E-02	1.23E-02	2.05E-02	3.92E-06	1.18E-05	6.86E-06	7.45E-06	6.75E-06	3.08E-06	5.12E-06	1.31E-07	3.16E-06	6.98E-07	1.01E-06	1.60E-06	2.83E-07	3.38E-07	7.23E-06
401	483727.7	3854221	1.49E-02	1.62E-02	2.71E-02	5.16E-06	1.56E-05	9.02E-06	9.82E-06	8.90E-06	4.06E-06	6.79E-06	1.72E-07	4.16E-06	9.19E-07	1.33E-06	2.11E-06	3.73E-07	4.48E-07	9.52E-06
402	483777.7	3854221	1.39E-02	1.51E-02	2.52E-02	4.81E-06	1.45E-05	8.40E-06	9.14E-06	8.28E-06	3.78E-06	6.31E-06	1.61E-07	3.88E-06	8.56E-07	1.24E-06	1.97E-06	3.47E-07	4.16E-07	8.87E-06
403	483827.7	3854221	1.34E-02	1.45E-02	2.42E-02	4.62E-06	1.40E-05	8.08E-06	8.78E-06	7.96E-06	3.63E-06	6.05E-06	1.54E-07	3.73E-06	8.23E-07	1.19E-06	1.89E-06	3.33E-07	3.99E-07	8.52E-06
404	483877.7	3854221	1.24E-02	1.35E-02	2.24E-02	4.29E-06	1.30E-05	7.51E-06	8.16E-06	7.39E-06	3.37E-06	5.61E-06	1.43E-07	3.46E-06	7.64E-07	1.11E-06	1.76E-06	3.10E-07	3.70E-07	7.92E-06
405	489150.19	3858726.45	1.44E-02	1.53E-02	2.27E-02	4.97E-06	1.50E-05	8.69E-06	9.28E-06	8.42E-06	3.84E-06	5.68E-06	1.66E-07	4.01E-06	8.84E-07	1.26E-06	2.00E-06	3.52E-07	3.74E-07	9.05E-06
406	489200.19	3858726.45	1.40E-02	1.49E-02	2.22E-02	4.83E-06	1.46E-05	8.44E-06	9.03E-06	8.19E-06	3.74E-06	5.56E-06	1.61E-07	3.90E-06	8.60E-07	1.23E-06	1.95E-06	3.43E-07	3.67E-07	8.80E-06

407	489150.19	3858776.45	1.38E-02	1.47E-02	2.15E-02	4.78E-06	1.44E-05	8.36E-06	8.92E-06	8.09E-06	3.69E-06	5.38E-06	1.60E-07	3.86E-06	8.51E-07	1.21E-06	1.92E-06	3.39E-07	3.55E-07	8.70E-06
408	489200.19	3858776.45	1.34E-02	1.43E-02	2.10E-02	4.63E-06	1.40E-05	8.09E-06	8.64E-06	7.84E-06	3.58E-06	5.26E-06	1.55E-07	3.73E-06	8.24E-07	1.17E-06	1.86E-06	3.28E-07	3.47E-07	8.42E-06
409	488919.6	3856400.76	1.64E-02	1.77E-02	2.83E-02	5.68E-06	1.71E-05	9.92E-06	1.07E-05	9.72E-06	4.43E-06	7.08E-06	1.90E-07	4.58E-06	1.01E-06	1.46E-06	2.31E-06	4.07E-07	4.67E-07	1.04E-05
410	488919.6	3856450.76	1.68E-02	1.81E-02	2.89E-02	5.80E-06	1.75E-05	1.01E-05	1.10E-05	9.93E-06	4.53E-06	7.23E-06	1.94E-07	4.68E-06	1.03E-06	1.49E-06	2.36E-06	4.16E-07	4.77E-07	1.06E-05
411	488969.6	3856450.76	1.65E-02	1.78E-02	2.85E-02	5.72E-06	1.73E-05	1.00E-05	1.08E-05	9.79E-06	4.47E-06	7.13E-06	1.91E-07	4.61E-06	1.02E-06	1.47E-06	2.33E-06	4.10E-07	4.71E-07	1.05E-05
412	488919.6	3856500.76	1.71E-02	1.85E-02	2.95E-02	5.92E-06	1.79E-05	1.04E-05	1.12E-05	1.01E-05	4.63E-06	7.39E-06	1.98E-07	4.78E-06	1.05E-06	1.52E-06	2.41E-06	4.25E-07	4.87E-07	1.09E-05
413	488969.6	3856500.76	1.69E-02	1.82E-02	2.91E-02	5.84E-06	1.76E-05	1.02E-05	1.10E-05	1.00E-05	4.56E-06	7.29E-06	1.95E-07	4.71E-06	1.04E-06	1.50E-06	2.38E-06	4.19E-07	4.81E-07	1.07E-05
414	488919.6	3856550.76	1.75E-02	1.89E-02	3.02E-02	6.05E-06	1.83E-05	1.06E-05	1.14E-05	1.04E-05	4.73E-06	7.55E-06	2.02E-07	4.88E-06	1.08E-06	1.55E-06	2.46E-06	4.34E-07	4.98E-07	1.11E-05
415	488969.6	3856550.76	1.72E-02	1.86E-02	2.98E-02	5.97E-06	1.80E-05	1.04E-05	1.13E-05	1.02E-05	4.66E-06	7.45E-06	1.99E-07	4.81E-06	1.06E-06	1.53E-06	2.43E-06	4.28E-07	4.91E-07	1.09E-05
416	488819.6	3856600.76	1.84E-02	1.98E-02	3.17E-02	6.36E-06	1.92E-05	1.11E-05	1.20E-05	1.09E-05	4.97E-06	7.93E-06	2.12E-07	5.13E-06	1.13E-06	1.63E-06	2.59E-06	4.56E-07	5.23E-07	1.17E-05
417	488869.6	3856600.76	1.81E-02	1.95E-02	3.12E-02	6.26E-06	1.89E-05	1.09E-05	1.18E-05	1.07E-05	4.89E-06	7.82E-06	2.09E-07	5.05E-06	1.11E-06	1.61E-06	2.55E-06	4.49E-07	5.16E-07	1.15E-05
418	488919.6	3856600.76	1.78E-02	1.93E-02	3.08E-02	6.18E-06	1.86E-05	1.08E-05	1.17E-05	1.06E-05	4.82E-06	7.71E-06	2.06E-07	4.98E-06	1.10E-06	1.58E-06	2.51E-06	4.43E-07	5.09E-07	1.13E-05
419	488819.6	3856650.76	1.88E-02	2.03E-02	3.24E-02	6.49E-06	1.96E-05	1.13E-05	1.23E-05	1.11E-05	5.07E-06	8.10E-06	2.17E-07	5.24E-06	1.16E-06	1.66E-06	2.64E-06	4.65E-07	5.35E-07	1.19E-05
420	488869.6	3856650.76	1.85E-02	2.00E-02	3.19E-02	6.39E-06	1.93E-05	1.12E-05	1.21E-05	1.09E-05	4.99E-06	7.98E-06	2.13E-07	5.16E-06	1.14E-06	1.64E-06	2.60E-06	4.58E-07	5.27E-07	1.17E-05
421	488819.6	3856700.76	1.91E-02	2.07E-02	3.31E-02	6.63E-06	2.00E-05	1.16E-05	1.25E-05	1.13E-05	5.18E-06	8.28E-06	2.21E-07	5.34E-06	1.18E-06	1.70E-06	2.70E-06	4.75E-07	5.46E-07	1.22E-05
422	488869.6	3856700.76	1.88E-02	2.04E-02	3.26E-02	6.52E-06	1.97E-05	1.14E-05	1.23E-05	1.12E-05	5.10E-06	8.15E-06	2.18E-07	5.26E-06	1.16E-06	1.67E-06	2.65E-06	4.68E-07	5.37E-07	1.20E-05
423	488819.6	3856750.76	1.95E-02	2.11E-02	3.37E-02	6.76E-06	2.04E-05	1.18E-05	1.28E-05	1.16E-05	5.28E-06	8.44E-06	2.26E-07	5.45E-06	1.20E-06	1.73E-06	2.75E-06	4.85E-07	5.57E-07	1.24E-05
424	488869.6	3856750.76	1.92E-02	2.08E-02	3.32E-02	6.66E-06	2.01E-05	1.16E-05	1.26E-05	1.14E-05	5.20E-06	8.32E-06	2.22E-07	5.37E-06	1.18E-06	1.71E-06	2.71E-06	4.77E-07	5.49E-07	1.22E-05
425	488819.6	3857050.76	2.19E-02	2.37E-02	3.80E-02	7.60E-06	2.29E-05	1.33E-05	1.44E-05	1.30E-05	5.94E-06	9.52E-06	2.54E-07	6.13E-06	1.35E-06	1.95E-06	3.09E-06	5.45E-07	6.28E-07	1.39E-05
426	488869.6	3857050.76	2.16E-02	2.33E-02	3.73E-02	7.46E-06	2.25E-05	1.30E-05	1.41E-05	1.28E-05	5.83E-06	9.35E-06	2.49E-07	6.02E-06	1.33E-06	1.91E-06	3.04E-06	5.35E-07	6.16E-07	1.37E-05
427	488919.6	3857050.76	2.12E-02	2.29E-02	3.67E-02	7.33E-06	2.21E-05	1.28E-05	1.38E-05	1.26E-05	5.73E-06	9.18E-06	2.45E-07	5.91E-06	1.30E-06	1.88E-06	2.98E-06	5.26E-07	6.06E-07	1.35E-05
428	488819.6	3857100.76	2.23E-02	2.41E-02	3.87E-02	7.73E-06	2.33E-05	1.35E-05	1.46E-05	1.32E-05	6.04E-06	9.69E-06	2.58E-07	6.23E-06	1.38E-06	1.98E-06	3.15E-06	5.54E-07	6.39E-07	1.42E-05
429	488869.6	3857100.76	2.19E-02	2.37E-02	3.80E-02	7.59E-06	2.29E-05	1.33E-05	1.43E-05	1.30E-05	5.93E-06	9.51E-06	2.53E-07	6.12E-06	1.35E-06	1.95E-06	3.09E-06	5.44E-07	6.27E-07	1.39E-05
430	488919.6	3857100.76	2.15E-02	2.33E-02	3.73E-02	7.45E-06	2.25E-05	1.30E-05	1.41E-05	1.28E-05	5.82E-06	9.34E-06	2.49E-07	6.01E-06	1.33E-06	1.91E-06	3.03E-06	5.34E-07	6.16E-07	1.37E-05
431	488819.6	3857150.76	2.27E-02	2.46E-02	3.94E-02	7.86E-06	2.37E-05	1.37E-05	1.49E-05	1.35E-05	6.15E-06	9.86E-06	2.63E-07	6.34E-06	1.40E-06	2.02E-06	3.20E-06	5.64E-07	6.50E-07	1.44E-05
432	488869.6	3857150.76	2.23E-02	2.41E-02	3.86E-02	7.71E-06	2.33E-05	1.35E-05	1.46E-05	1.32E-05	6.03E-06	9.67E-06	2.58E-07	6.22E-06	1.37E-06	1.98E-06	3.14E-06	5.53E-07	6.38E-07	1.42E-05
433	488919.6	3857150.76	2.19E-02	2.36E-02	3.79E-02	7.57E-06	2.29E-05	1.32E-05	1.43E-05	1.30E-05	5.92E-06	9.49E-06	2.53E-07	6.11E-06	1.35E-06	1.94E-06	3.08E-06	5.43E-07	6.26E-07	1.39E-05
434	488969.6	3857150.76	2.15E-02	2.32E-02	3.72E-02	7.43E-06	2.24E-05	1.30E-05	1.40E-05	1.27E-05	5.81E-06	9.32E-06	2.48E-07	5.99E-06	1.32E-06	1.91E-06	3.02E-06	5.33E-07	6.15E-07	1.36E-05
435	488819.6	3857200.76	2.31E-02	2.50E-02	4.01E-02	8.00E-06	2.41E-05	1.40E-05	1.51E-05	1.37E-05	6.25E-06	1.00E-05	2.67E-07	6.45E-06	1.42E-06	2.05E-06	3.25E-06	5.73E-07	6.61E-07	1.47E-05
436	488869.6	3857200.76	2.27E-02	2.45E-02	3.93E-02	7.84E-06	2.37E-05	1.37E-05	1.48E-05	1.34E-05	6.13E-06	9.83E-06	2.62E-07	6.32E-06	1.40E-06	2.01E-06	3.19E-06	5.62E-07	6.49E-07	1.44E-05
437	488919.6	3857200.76	2.22E-02	2.40E-02	3.85E-02	7.69E-06	2.32E-05	1.34E-05	1.45E-05	1.32E-05	6.01E-06	9.65E-06	2.57E-07	6.20E-06	1.37E-06	1.97E-06	3.13E-06	5.52E-07	6.36E-07	1.41E-05
438	488969.6	3857200.76	2.18E-02	2.36E-02	3.78E-02	7.55E-06	2.28E-05	1.32E-05	1.43E-05	1.29E-05	5.90E-06	9.46E-06	2.52E-07	6.09E-06	1.34E-06	1.94E-06	3.07E-06	5.41E-07	6.24E-07	1.39E-05
439	488819.6	3857250.76	2.35E-02	2.54E-02	4.07E-02	8.13E-06	2.45E-05	1.42E-05	1.54E-05	1.39E-05	6.35E-06	1.02E-05	2.71E-07	6.55E-06	1.45E-06	2.08E-06	3.31E-06	5.83E-07	6.73E-07	1.49E-05
440	488869.6	3857250.76	2.30E-02	2.49E-02	3.99E-02	7.96E-06	2.40E-05	1.39E-05	1.50E-05	1.36E-05	6.23E-06	9.99E-06	2.66E-07	6.42E-06	1.42E-06	2.04E-06	3.24E-06	5.71E-07	6.59E-07	1.46E-05
441	488919.6	3857250.76	2.26E-02	2.44E-02	3.91E-02	7.81E-06	2.36E-05	1.36E-05	1.48E-05	1.34E-05	6.10E-06	9.80E-06	2.61E-07	6.30E-06	1.39E-06	2.00E-06	3.18E-06	5.60E-07	6.46E-07	1.43E-05
442	488969.6	3857250.76	2.21E-02	2.39E-02	3.84E-02	7.66E-06	2.31E-05	1.34E-05	1.45E-05	1.31E-05	5.98E-06	9.61E-06	2.56E-07	6.18E-06	1.36E-06	1.96E-06	3.12E-06	5.49E-07	6.34E-07	1.41E-05
443	488819.6	3857300.76	2.38E-02	2.58E-02	4.14E-02	8.25E-06	2.49E-05	1.44E-05	1.56E-05	1.41E-05	6.45E-06	1.04E-05	2.76E-07	6.66E-06	1.47E-06	2.12E-06	3.36E-06	5.92E-07	6.83E-07	1.52E-05
444	488869.6	3857300.76	2.34E-02	2.52E-02	4.05E-02	8.08E-06	2.44E-05	1.41E-05	1.53E-05	1.38E-05	6.32E-06	1.01E-05	2.70E-07	6.52E-06	1.44E-06	2.07E-06	3.29E-06	5.80E-07	6.69E-07	1.48E-05
445	488919.6	3857300.76	2.29E-02	2.47E-02	3.97E-02	7.92E-06	2.39E-05	1.38E-05	1.50E-05	1.36E-05	6.19E-06	9.94E-06	2.65E-07	6.39E-06	1.41E-06	2.03E-06	3.22E-06	5.68E-07	6.56E-07	1.45E-05
446	488819.6	3857450.76	2.49E-02	2.69E-02	4.32E-02	8.61E-06	2.60E-05	1.51E-05	1.63E-05	1.48E-05	6.73E-06	1.08E-05	2.88E-07	6.95E-06	1.53E-06	2.21E-06	3.51E-06	6.18E-07	7.14E-07	1.58E-05
447	488869.6	3857450.76	2.43E-02	2.63E-02	4.23E-02	8.42E-06	2.54E-05	1.47E-05	1.59E-05	1.44E-05	6.58E-06	1.06E-05	2.81E-07	6.79E-06	1.50E-06	2.16E-06	3.43E-06	6.04E-07	6.98E-07	1.55E-05
448	488919.6	3857450.76	2.38E-02	2.57E-02	4.13E-02	8.23E-06	2.49E-05	1.44E-05	1.56E-05	1.41E-05	6.44E-06	1.03E-05	2.75E-07	6.64E-06	1.47E-06	2.11E-06	3.35E-06	5.91E-07	6.82E-07	1.51E-05
449	488819.6	3857500.76	2.52E-02	2.73E-02	4.38E-02	8.72E-06	2.63E-05	1.52E-05	1.65E-05	1.49E-05	6.82E-06	1.10E-05	2.91E-07	7.04E-06	1.55E-06	2.24E-06	3.55E-06	6.26E-07	7.23E-07	1.60E-05
450	488869.6	3857500.76	2.46E-02	2.66E-02	4.28E-02	8.52E-06	2.57E-05	1.49E-05	1.61E-05	1.46E-05	6.66E-06	1.07E-05	2.85E-07	6.87E-06	1.52E-06	2.19E-06	3.47E-06	6.11E-07	7.06E-07	1.57E-05
451	488919.6	3857500.76	2.41E-02	2.60E-02	4.18E-02	8.33E-06	2.51E-05	1.46E-05	1.57E-05	1.43E-05	6.51E-06	1.05E-05	2.78E-07	6.72E-06	1.48E-06	2.14E-06	3.39E-06	5.98E-07	6.90E-07	1.53E-05
452	488819.6	3857550.76	2.55E-02	2.76E-02	4.44E-02	8.83E-06	2.67E-05	1.54E-05	1.67E-05	1.51E-05	6.90E-06	1.11E-05	2.95E-07	7.12E-06	1.57E-06	2.27E-06	3.60E-06	6.34E-07	7.32E-07	1.62E-05
453	488869.6	3857550.76	2.49E-02	2.69E-02	4.33E-02	8.62E-06	2.60E-05	1.51E-05	1.63E-05	1.48E-05	6.74E-06	1.08E-05	2.88E-07	6.96E-06	1.53E-06	2.21E-06	3.51E-06	6.19E-07	7.15E-07	1.58E-05
454	488919.6	3857550.76	2.43E-02	2.63E-02	4.23E-02	8.42E-06	2.54E-05	1.47E-05	1.59E-05	1.44E-05	6.58E-06	1.06E-05	2.81E-07	6.79E-06	1.50E-06	2.16E-06	3.43E-06	6.04E-07	6.98E-07	1.55E-05
455	489663.71	3860900.05	2.05E-03	2.21E-03	3.49E-03	7.11E-07	2.15E-06	1.24E-06	1.34E-06	1.21E-06	5.54E-07	8.73E-07	2.37E-08	5.73E-07	1.26E-07	1.82E-07	2.89E-07	5.08E-08	5.76E-08	1.30E-06
456	489813.71	3860900.05	2.07E-03	2.23E-03	3.52E-03	7.17E-07	2.16E-06	1.25E-06	1.35E-06	1.22E-06	5.59E-07	8.81E-07	2.39E-08	5.78E-07	1.28E-07	1.83E-07	2.91E-07	5.13E-08	5.81E-08	1.31E-06
457	489863.71	3860900.05	2.07E-03	2.24E-03	3.53E-03	7.18E-07	2.17E-06	1.25E-06	1.35E-06	1.23E-06	5.60E-07	8.82E-07	2.40E-08	5.79E-07	1.28E-07	1.84E-07	2.91E-07	5.13E-08	5.82E-08	1.32E-06
458	489913.71	3860900.05	2.08E-03	2.24E-03	3.54E-03	7.21E-07	2.18E-06	1.26E-06	1.36E-06	1.23E-06	5.62E-07	8.86E-07	2.41E-08	5.81E-07	1.28E-07	1.84E-07	2.93E-07	5.16E-08	5.85E-08	1.32E-06
459	489963.71	3860900.05	2.08E-03	2.25E-03	3.55E-03	7.22E-07	2.18E-06	1.26E-06	1.36E-06	1.23E-06	5.63E-07	8.88E-07	2.41E-08	5.82E-07	1.28E-07	1.85E-07	2.93E-07	5.16E-08	5.85E-08	1.32E-06
460	490013.71	3860900.05	2.09E-03	2.26E-03	3.56E-03	7.24E-07	2.19E-06	1.27E-06	1.37E-06	1.24E-06	5.65E-07	8.91E-07	2.42E-08	5.84E-07	1.29E-07	1.85E-07	2.94E-07	5.18E-08	5.88E-08	1.33E-06
461	490063.71	3860900.05	2.10E-03	2.26E-03	3.57E-03	7.26E-07	2.19E-06	1.27E-06	1.37E-06	1.24E-06	5.66E-07	8.94E-07	2.43E-08	5.86E-07	1.29E-07	1.86E-07	2.95E-07	5.20E-08	5.90E-08	1.33E-06
462	489663.71	3860950.05	2.00E-03	2.16E-03	3.41E-03	6.94E-07	2.10E-06	1.21E-06	1.31E-06	1.19E-06	5.41E-07	8.52E-07	2.32E-08	5.60E-07	1.24E-07	1.78E-07	2.82E-07	4.96E-08	5.62E-08	1.27E-06
463	489813.71	3860950.05	2.02E-03	2.18E-03	3.44E-03	6.99E-07	2.11E-06	1.22E-06	1.32E-06	1.19E-06	5.45E-07	8.60E-07	2.34E-08	5.64E-07	1.24E-07	1.79E-07	2.84E-07	5.00E-08	5.67E-08	1.28E-06
464	489863.71	3860950.05	2.02E-03	2.18E-03	3.44E-03	7.00E-07	2.11E-06	1.22E-06	1.32E-06	1.20E-06	5.46E-07	8.61E-07	2.34E-08	5.65E-07	1.25E-07	1.79E-07	2.84E-07	5.01E-08	5.68E-08	1.28E-06
465	489913.71	3860950.05	2.03E-03	2.19E-03	3.45E-03	7.03E-07	2.12E-06	1.23E-06	1.32E-06	1.20E-06	5.48E-07	8.64E-07	2.35E-08	5.67E-07	1.25E-07	1.80E-07	2.85E-07	5.03E-08	5.70E-08	1.29E-06

466	489963.71	3860950.05	2.03E-03	2.19E-03	3.46E-03	7.04E-07	2.13E-06	1.23E-06	1.33E-06	1.20E-06	5.49E-07	8.66E-07	2.35E-08	5.68E-07	1.25E-07	1.80E-07	2.86E-07	5.04E-08	5.71E-08	1.29E-06
467	490013.71	3860950.05	2.04E-03	2.20E-03	3.47E-03	7.06E-07	2.13E-06	1.23E-06	1.33E-06	1.21E-06	5.51E-07	8.69E-07	2.36E-08	5.70E-07	1.26E-07	1.81E-07	2.87E-07	5.05E-08	5.73E-08	1.29E-06
468	490063.71	3860950.05	2.05E-03	2.21E-03	3.48E-03	7.08E-07	2.14E-06	1.24E-06	1.34E-06	1.21E-06	5.52E-07	8.72E-07	2.37E-08	5.71E-07	1.26E-07	1.81E-07	2.88E-07	5.07E-08	5.75E-08	1.30E-06
469	489513.71	3861000.05	1.95E-03	2.10E-03	3.31E-03	6.74E-07	2.04E-06	1.18E-06	1.27E-06	1.15E-06	5.26E-07	8.28E-07	2.25E-08	5.44E-07	1.20E-07	1.73E-07	2.74E-07	4.82E-08	5.46E-08	1.24E-06
470	489563.71	3861000.05	1.95E-03	2.10E-03	3.31E-03	6.75E-07	2.04E-06	1.18E-06	1.27E-06	1.15E-06	5.26E-07	8.29E-07	2.25E-08	5.45E-07	1.20E-07	1.73E-07	2.74E-07	4.83E-08	5.47E-08	1.24E-06
471	489613.71	3861000.05	1.96E-03	2.11E-03	3.32E-03	6.77E-07	2.04E-06	1.18E-06	1.28E-06	1.16E-06	5.28E-07	8.31E-07	2.26E-08	5.46E-07	1.20E-07	1.73E-07	2.75E-07	4.84E-08	5.48E-08	1.24E-06
472	489663.71	3861000.05	1.96E-03	2.11E-03	3.33E-03	6.78E-07	2.05E-06	1.19E-06	1.28E-06	1.16E-06	5.29E-07	8.33E-07	2.26E-08	5.47E-07	1.21E-07	1.74E-07	2.75E-07	4.85E-08	5.50E-08	1.24E-06
473	489713.71	3861000.05	1.96E-03	2.12E-03	3.33E-03	6.79E-07	2.05E-06	1.19E-06	1.28E-06	1.16E-06	5.29E-07	8.34E-07	2.27E-08	5.48E-07	1.21E-07	1.74E-07	2.76E-07	4.86E-08	5.50E-08	1.24E-06
474	489763.71	3861000.05	1.97E-03	2.12E-03	3.34E-03	6.81E-07	2.05E-06	1.19E-06	1.28E-06	1.16E-06	5.31E-07	8.36E-07	2.27E-08	5.49E-07	1.21E-07	1.74E-07	2.76E-07	4.87E-08	5.52E-08	1.25E-06
475	489813.71	3861000.05	1.97E-03	2.13E-03	3.36E-03	6.83E-07	2.06E-06	1.19E-06	1.29E-06	1.17E-06	5.33E-07	8.40E-07	2.28E-08	5.51E-07	1.22E-07	1.75E-07	2.77E-07	4.89E-08	5.54E-08	1.25E-06
476	489863.71	3861000.05	1.98E-03	2.13E-03	3.36E-03	6.84E-07	2.06E-06	1.20E-06	1.29E-06	1.17E-06	5.33E-07	8.41E-07	2.28E-08	5.52E-07	1.22E-07	1.75E-07	2.78E-07	4.89E-08	5.55E-08	1.25E-06
477	489913.71	3861000.05	1.98E-03	2.14E-03	3.37E-03	6.86E-07	2.07E-06	1.20E-06	1.29E-06	1.17E-06	5.35E-07	8.44E-07	2.29E-08	5.53E-07	1.22E-07	1.76E-07	2.79E-07	4.91E-08	5.57E-08	1.26E-06
478	489963.71	3861000.05	1.98E-03	2.14E-03	3.38E-03	6.87E-07	2.07E-06	1.20E-06	1.30E-06	1.17E-06	5.36E-07	8.45E-07	2.29E-08	5.54E-07	1.22E-07	1.76E-07	2.79E-07	4.92E-08	5.57E-08	1.26E-06
479	490013.71	3861000.05	1.99E-03	2.15E-03	3.39E-03	6.89E-07	2.08E-06	1.20E-06	1.30E-06	1.18E-06	5.37E-07	8.48E-07	2.30E-08	5.56E-07	1.23E-07	1.76E-07	2.80E-07	4.93E-08	5.59E-08	1.26E-06
480	490063.71	3861000.05	2.00E-03	2.15E-03	3.40E-03	6.91E-07	2.09E-06	1.21E-06	1.30E-06	1.18E-06	5.39E-07	8.50E-07	2.31E-08	5.57E-07	1.23E-07	1.77E-07	2.81E-07	4.94E-08	5.61E-08	1.27E-06
481	489513.71	3861050.05	1.91E-03	2.06E-03	3.24E-03	6.60E-07	1.99E-06	1.15E-06	1.24E-06	1.13E-06	5.15E-07	8.10E-07	2.20E-08	5.32E-07	1.17E-07	1.69E-07	2.68E-07	4.72E-08	5.34E-08	1.21E-06
482	489563.71	3861050.05	1.91E-03	2.06E-03	3.24E-03	6.61E-07	1.99E-06	1.15E-06	1.25E-06	1.13E-06	5.15E-07	8.11E-07	2.21E-08	5.33E-07	1.18E-07	1.69E-07	2.68E-07	4.73E-08	5.35E-08	1.21E-06
483	489613.71	3861050.05	1.91E-03	2.06E-03	3.25E-03	6.63E-07	2.00E-06	1.16E-06	1.25E-06	1.13E-06	5.17E-07	8.14E-07	2.21E-08	5.35E-07	1.18E-07	1.70E-07	2.69E-07	4.74E-08	5.37E-08	1.21E-06
484	489663.71	3861050.05	1.92E-03	2.07E-03	3.25E-03	6.63E-07	2.00E-06	1.16E-06	1.25E-06	1.13E-06	5.17E-07	8.14E-07	2.21E-08	5.35E-07	1.18E-07	1.70E-07	2.69E-07	4.74E-08	5.37E-08	1.21E-06
485	489713.71	3861050.05	1.92E-03	2.07E-03	3.26E-03	6.64E-07	2.00E-06	1.16E-06	1.25E-06	1.13E-06	5.17E-07	8.15E-07	2.22E-08	5.35E-07	1.18E-07	1.70E-07	2.69E-07	4.75E-08	5.38E-08	1.22E-06
486	489763.71	3861050.05	1.92E-03	2.07E-03	3.27E-03	6.65E-07	2.01E-06	1.16E-06	1.25E-06	1.14E-06	5.18E-07	8.17E-07	2.22E-08	5.36E-07	1.18E-07	1.70E-07	2.70E-07	4.76E-08	5.39E-08	1.22E-06
487	489813.71	3861050.05	1.93E-03	2.08E-03	3.28E-03	6.67E-07	2.01E-06	1.17E-06	1.26E-06	1.14E-06	5.20E-07	8.20E-07	2.23E-08	5.38E-07	1.19E-07	1.71E-07	2.71E-07	4.77E-08	5.41E-08	1.22E-06
488	489863.71	3861050.05	1.93E-03	2.08E-03	3.28E-03	6.68E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.21E-07	8.21E-07	2.23E-08	5.39E-07	1.19E-07	1.71E-07	2.71E-07	4.78E-08	5.42E-08	1.22E-06
489	489913.71	3861050.05	1.93E-03	2.09E-03	3.29E-03	6.70E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.22E-07	8.23E-07	2.24E-08	5.40E-07	1.19E-07	1.71E-07	2.72E-07	4.79E-08	5.43E-08	1.23E-06
490	489963.71	3861050.05	1.94E-03	2.09E-03	3.30E-03	6.71E-07	2.03E-06	1.17E-06	1.26E-06	1.15E-06	5.23E-07	8.25E-07	2.24E-08	5.41E-07	1.19E-07	1.72E-07	2.72E-07	4.80E-08	5.44E-08	1.23E-06
491	490013.71	3861050.05	1.95E-03	2.10E-03	3.31E-03	6.74E-07	2.03E-06	1.18E-06	1.27E-06	1.15E-06	5.25E-07	8.29E-07	2.25E-08	5.43E-07	1.20E-07	1.72E-07	2.73E-07	4.82E-08	5.46E-08	1.23E-06
492	490063.71	3861050.05	1.95E-03	2.10E-03	3.32E-03	6.75E-07	2.04E-06	1.18E-06	1.27E-06	1.15E-06	5.26E-07	8.30E-07	2.25E-08	5.44E-07	1.20E-07	1.73E-07	2.74E-07	4.83E-08	5.48E-08	1.24E-06
493	489513.71	3861100.05	1.87E-03	2.02E-03	3.17E-03	6.47E-07	1.95E-06	1.13E-06	1.22E-06	1.11E-06	5.05E-07	7.95E-07	2.16E-08	5.22E-07	1.15E-07	1.66E-07	2.63E-07	4.63E-08	5.24E-08	1.19E-06
494	489563.71	3861100.05	1.87E-03	2.01E-03	3.17E-03	6.47E-07	1.95E-06	1.13E-06	1.22E-06	1.10E-06	5.04E-07	7.94E-07	2.16E-08	5.22E-07	1.15E-07	1.65E-07	2.62E-07	4.63E-08	5.24E-08	1.18E-06
495	489613.71	3861100.05	1.87E-03	2.01E-03	3.17E-03	6.46E-07	1.95E-06	1.13E-06	1.22E-06	1.10E-06	5.03E-07	7.93E-07	2.16E-08	5.21E-07	1.15E-07	1.65E-07	2.62E-07	4.62E-08	5.23E-08	1.18E-06
496	489663.71	3861100.05	1.87E-03	2.02E-03	3.17E-03	6.47E-07	1.95E-06	1.13E-06	1.22E-06	1.11E-06	5.04E-07	7.95E-07	2.16E-08	5.22E-07	1.15E-07	1.66E-07	2.63E-07	4.63E-08	5.24E-08	1.19E-06
497	489713.71	3861100.05	1.87E-03	2.02E-03	3.18E-03	6.48E-07	1.96E-06	1.13E-06	1.22E-06	1.11E-06	5.05E-07	7.96E-07	2.16E-08	5.23E-07	1.15E-07	1.66E-07	2.63E-07	4.64E-08	5.25E-08	1.19E-06
498	489763.71	3861100.05	1.88E-03	2.02E-03	3.19E-03	6.49E-07	1.96E-06	1.14E-06	1.22E-06	1.11E-06	5.06E-07	7.98E-07	2.17E-08	5.24E-07	1.16E-07	1.66E-07	2.64E-07	4.65E-08	5.26E-08	1.19E-06
499	489813.71	3861100.05	1.88E-03	2.03E-03	3.20E-03	6.51E-07	1.97E-06	1.14E-06	1.23E-06	1.11E-06	5.08E-07	8.00E-07	2.17E-08	5.25E-07	1.16E-07	1.67E-07	2.64E-07	4.66E-08	5.28E-08	1.19E-06
500	489863.71	3861100.05	1.89E-03	2.04E-03	3.21E-03	6.53E-07	1.97E-06	1.14E-06	1.23E-06	1.12E-06	5.10E-07	8.03E-07	2.18E-08	5.27E-07	1.16E-07	1.67E-07	2.65E-07	4.68E-08	5.30E-08	1.20E-06
501	489913.71	3861100.05	1.89E-03	2.04E-03	3.21E-03	6.54E-07	1.98E-06	1.14E-06	1.23E-06	1.12E-06	5.10E-07	8.04E-07	2.18E-08	5.28E-07	1.16E-07	1.67E-07	2.66E-07	4.68E-08	5.31E-08	1.20E-06
502	489963.71	3861100.05	1.89E-03	2.04E-03	3.22E-03	6.56E-07	1.98E-06	1.15E-06	1.24E-06	1.12E-06	5.11E-07	8.06E-07	2.19E-08	5.29E-07	1.17E-07	1.68E-07	2.66E-07	4.69E-08	5.32E-08	1.20E-06
503	490013.71	3861100.05	1.90E-03	2.05E-03	3.23E-03	6.57E-07	1.98E-06	1.15E-06	1.24E-06	1.12E-06	5.12E-07	8.08E-07	2.19E-08	5.30E-07	1.17E-07	1.68E-07	2.67E-07	4.70E-08	5.33E-08	1.20E-06
504	490063.71	3861100.05	1.90E-03	2.05E-03	3.24E-03	6.59E-07	1.99E-06	1.15E-06	1.24E-06	1.13E-06	5.13E-07	8.10E-07	2.20E-08	5.31E-07	1.17E-07	1.69E-07	2.67E-07	4.71E-08	5.34E-08	1.21E-06
505	489713.71	3861150.05	1.83E-03	1.97E-03	3.11E-03	6.34E-07	1.91E-06	1.11E-06	1.19E-06	1.08E-06	4.94E-07	7.78E-07	2.12E-08	5.11E-07	1.13E-07	1.62E-07	2.57E-07	4.53E-08	5.13E-08	1.16E-06
506	489763.71	3861150.05	1.83E-03	1.98E-03	3.12E-03	6.35E-07	1.92E-06	1.11E-06	1.20E-06	1.09E-06	4.95E-07	7.80E-07	2.12E-08	5.12E-07	1.13E-07	1.63E-07	2.58E-07	4.54E-08	5.15E-08	1.16E-06
507	489813.71	3861150.05	1.84E-03	1.98E-03	3.13E-03	6.37E-07	1.92E-06	1.11E-06	1.20E-06	1.09E-06	4.96E-07	7.82E-07	2.13E-08	5.14E-07	1.13E-07	1.63E-07	2.58E-07	4.56E-08	5.16E-08	1.17E-06
508	489863.71	3861150.05	1.84E-03	1.99E-03	3.13E-03	6.38E-07	1.93E-06	1.12E-06	1.20E-06	1.09E-06	4.97E-07	7.84E-07	2.13E-08	5.15E-07	1.14E-07	1.63E-07	2.59E-07	4.56E-08	5.17E-08	1.17E-06
509	489913.71	3861150.05	1.85E-03	1.99E-03	3.14E-03	6.39E-07	1.93E-06	1.12E-06	1.20E-06	1.09E-06	4.98E-07	7.86E-07	2.13E-08	5.16E-07	1.14E-07	1.64E-07	2.59E-07	4.57E-08	5.18E-08	1.17E-06
510	489963.71	3861150.05	1.85E-03	1.99E-03	3.15E-03	6.40E-07	1.93E-06	1.12E-06	1.21E-06	1.09E-06	4.99E-07	7.87E-07	2.14E-08	5.16E-07	1.14E-07	1.64E-07	2.60E-07	4.58E-08	5.19E-08	1.17E-06
511	490013.71	3861150.05	1.85E-03	2.00E-03	3.15E-03	6.41E-07	1.94E-06	1.12E-06	1.21E-06	1.10E-06	5.00E-07	7.89E-07	2.14E-08	5.17E-07	1.14E-07	1.64E-07	2.60E-07	4.59E-08	5.20E-08	1.18E-06
512	490063.71	3861150.05	1.86E-03	2.00E-03	3.16E-03	6.43E-07	1.94E-06	1.12E-06	1.21E-06	1.10E-06	5.01E-07	7.91E-07	2.15E-08	5.19E-07	1.14E-07	1.65E-07	2.61E-07	4.60E-08	5.22E-08	1.18E-06
513	489613.71	3861200.05	1.78E-03	1.92E-03	3.03E-03	6.17E-07	1.86E-06	1.08E-06	1.16E-06	1.05E-06	4.81E-07	7.58E-07	2.06E-08	4.98E-07	1.10E-07	1.58E-07	2.51E-07	4.42E-08	5.00E-08	1.13E-06
514	489663.71	3861200.05	1.79E-03	1.93E-03	3.04E-03	6.19E-07	1.87E-06	1.08E-06	1.17E-06	1.06E-06	4.82E-07	7.60E-07	2.07E-08	4.99E-07	1.10E-07	1.58E-07	2.51E-07	4.43E-08	5.01E-08	1.13E-06
515	489713.71	3861200.05	1.79E-03	1.93E-03	3.04E-03	6.20E-07	1.87E-06	1.08E-06	1.17E-06	1.06E-06	4.83E-07	7.61E-07	2.07E-08	5.00E-07	1.10E-07	1.59E-07	2.52E-07	4.43E-08	5.02E-08	1.14E-06
516	489763.71	3861200.05	1.79E-03	1.93E-03	3.05E-03	6.21E-07	1.88E-06	1.09E-06	1.17E-06	1.06E-06	4.84E-07	7.63E-07	2.07E-08	5.01E-07	1.11E-07	1.59E-07	2.52E-07	4.44E-08	5.03E-08	1.14E-06
517	489813.71	3861200.05	1.80E-03	1.94E-03	3.06E-03	6.23E-07	1.88E-06	1.09E-06	1.17E-06	1.06E-06	4.85E-07	7.65E-07	2.08E-08	5.02E-07	1.11E-07	1.59E-07	2.53E-07	4.45E-08	5.05E-08	1.14E-06
518	489863.71	3861200.05	1.80E-03	1.94E-03	3.07E-03	6.24E-07	1.88E-06	1.09E-06	1.18E-06	1.07E-06	4.87E-07	7.67E-07	2.08E-08	5.04E-07	1.11E-07	1.60E-07	2.53E-07	4.47E-08	5.06E-08	1.14E-06
519	489913.71	3861200.05	1.81E-03	1.95E-03	3.07E-03	6.25E-07	1.89E-06	1.09E-06	1.18E-06	1.07E-06	4.87E-07	7.69E-07	2.09E-08	5.04E-07	1.11E-07	1.60E-07	2.54E-07	4.47E-08	5.07E-08	1.15E-06
520	489963.71	3861200.05	1.81E-03	1.95E-03	3.08E-03	6.26E-07	1.89E-06	1.09E-06	1.18E-06	1.07E-06	4.88E-07	7.70E-07	2.09E-08	5.05E-07	1.11E-07	1.60E-07	2.54E-07	4.48E-08	5.08E-08	1.15E-06
521	490013.71	3861200.05	1.81E-03	1.95E-03	3.08E-03	6.27E-07	1.89E-06	1.10E-06	1.18E-06	1.07E-06	4.89E-07	7.71E-07	2.09E-08	5.06E-07	1.12E-07	1.61E-07	2.55E-07	4.49E-08	5.09E-08	1.15E-06
522	490063.71	3861200.05	1.82E-03	1.96E-03	3.09E-03	6.28E-07	1.90E-06	1.10E-06	1.18E-06	1.07E-06	4.90E-07	7.73E-07	2.10E-08	5.07E-07	1.12E-07	1.61E-07	2.55E-07	4.50E-08	5.10E-08	1.15E-06
523	489513.71	3861250.05	1.74E-03	1.87E-03	2.95E-03	6.02E-07	1.82E-06	1.05E-06	1.13E-06	1.03E-06	4.69E-07	7.38E-07	2.01E-08	4.85E-07	1.07E-07	1.54E-07	2.44E-07	4.30E-08	4.87E-08	1.10E-06
524	489563.71	3861250.05	1.74E-03	1.88E-03	2.96E-03	6.03E-07	1.82E-06	1.05E-06	1.14E-06	1.03E-06	4.70E-07	7.41E-07	2.01E-08	4.87E-07	1.07E-07	1.54E-07	2.45E-07	4.32E-08	4.88E-08	1.11E-06

525	489613.71	3861250.05	1.75E-03	1.88E-03	2.97E-03	6.05E-07	1.83E-06	1.06E-06	1.14E-06	1.03E-06	4.71E-07	7.42E-07	2.02E-08	4.88E-07	1.08E-07	1.55E-07	2.45E-07	4.33E-08	4.90E-08	1.11E-06
526	489663.71	3861250.05	1.75E-03	1.89E-03	2.97E-03	6.06E-07	1.83E-06	1.06E-06	1.14E-06	1.03E-06	4.72E-07	7.44E-07	2.02E-08	4.88E-07	1.08E-07	1.55E-07	2.46E-07	4.33E-08	4.90E-08	1.11E-06
527	489713.71	3861250.05	1.75E-03	1.89E-03	2.98E-03	6.07E-07	1.83E-06	1.06E-06	1.14E-06	1.04E-06	4.73E-07	7.45E-07	2.03E-08	4.89E-07	1.08E-07	1.55E-07	2.46E-07	4.34E-08	4.92E-08	1.11E-06
528	489763.71	3861250.05	1.76E-03	1.89E-03	2.98E-03	6.08E-07	1.84E-06	1.06E-06	1.15E-06	1.04E-06	4.74E-07	7.47E-07	2.03E-08	4.90E-07	1.08E-07	1.56E-07	2.47E-07	4.35E-08	4.93E-08	1.11E-06
529	489813.71	3861250.05	1.76E-03	1.90E-03	2.99E-03	6.09E-07	1.84E-06	1.06E-06	1.15E-06	1.04E-06	4.75E-07	7.48E-07	2.03E-08	4.91E-07	1.08E-07	1.56E-07	2.47E-07	4.36E-08	4.94E-08	1.12E-06
530	489863.71	3861250.05	1.76E-03	1.90E-03	3.00E-03	6.10E-07	1.84E-06	1.07E-06	1.15E-06	1.04E-06	4.76E-07	7.50E-07	2.04E-08	4.92E-07	1.09E-07	1.56E-07	2.48E-07	4.37E-08	4.95E-08	1.12E-06
531	489913.71	3861250.05	1.77E-03	1.91E-03	3.01E-03	6.12E-07	1.85E-06	1.07E-06	1.15E-06	1.05E-06	4.77E-07	7.52E-07	2.04E-08	4.93E-07	1.09E-07	1.57E-07	2.48E-07	4.38E-08	4.96E-08	1.12E-06
532	489963.71	3861250.05	1.77E-03	1.91E-03	3.01E-03	6.13E-07	1.85E-06	1.07E-06	1.16E-06	1.05E-06	4.78E-07	7.54E-07	2.05E-08	4.94E-07	1.09E-07	1.57E-07	2.49E-07	4.39E-08	4.97E-08	1.12E-06
533	490013.71	3861250.05	1.77E-03	1.91E-03	3.02E-03	6.14E-07	1.85E-06	1.07E-06	1.16E-06	1.05E-06	4.79E-07	7.55E-07	2.05E-08	4.95E-07	1.09E-07	1.57E-07	2.49E-07	4.39E-08	4.98E-08	1.13E-06
534	490063.71	3861250.05	1.78E-03	1.91E-03	3.02E-03	6.14E-07	1.86E-06	1.07E-06	1.16E-06	1.05E-06	4.79E-07	7.56E-07	2.05E-08	4.96E-07	1.09E-07	1.57E-07	2.49E-07	4.40E-08	4.99E-08	1.13E-06
535	489528.13	3861308.47	1.70E-03	1.83E-03	2.88E-03	5.87E-07	1.77E-06	1.03E-06	1.11E-06	1.00E-06	4.58E-07	7.21E-07	1.96E-08	4.74E-07	1.05E-07	1.50E-07	2.38E-07	4.20E-08	4.75E-08	1.08E-06
536	489578.13	3861308.47	1.70E-03	1.83E-03	2.89E-03	5.89E-07	1.78E-06	1.03E-06	1.11E-06	1.01E-06	4.59E-07	7.23E-07	1.97E-08	4.75E-07	1.05E-07	1.51E-07	2.39E-07	4.21E-08	4.77E-08	1.08E-06
537	489628.13	3861308.47	1.70E-03	1.84E-03	2.89E-03	5.90E-07	1.78E-06	1.03E-06	1.11E-06	1.01E-06	4.60E-07	7.24E-07	1.97E-08	4.76E-07	1.05E-07	1.51E-07	2.39E-07	4.22E-08	4.78E-08	1.08E-06
538	489678.13	3861308.47	1.71E-03	1.84E-03	2.90E-03	5.91E-07	1.78E-06	1.03E-06	1.11E-06	1.01E-06	4.61E-07	7.26E-07	1.97E-08	4.77E-07	1.05E-07	1.51E-07	2.40E-07	4.23E-08	4.79E-08	1.08E-06
539	489728.13	3861308.47	1.71E-03	1.85E-03	2.91E-03	5.92E-07	1.79E-06	1.04E-06	1.12E-06	1.01E-06	4.62E-07	7.28E-07	1.98E-08	4.78E-07	1.05E-07	1.52E-07	2.40E-07	4.24E-08	4.80E-08	1.09E-06
540	489778.13	3861308.47	1.71E-03	1.85E-03	2.91E-03	5.93E-07	1.79E-06	1.04E-06	1.12E-06	1.01E-06	4.62E-07	7.29E-07	1.98E-08	4.78E-07	1.06E-07	1.52E-07	2.41E-07	4.24E-08	4.81E-08	1.09E-06
541	489678.13	3861358.47	1.67E-03	1.80E-03	2.84E-03	5.79E-07	1.75E-06	1.01E-06	1.09E-06	9.89E-07	4.51E-07	7.11E-07	1.93E-08	4.67E-07	1.03E-07	1.48E-07	2.35E-07	4.14E-08	4.69E-08	1.06E-06
542	489728.13	3861358.47	1.68E-03	1.81E-03	2.85E-03	5.80E-07	1.75E-06	1.01E-06	1.09E-06	9.91E-07	4.52E-07	7.12E-07	1.94E-08	4.68E-07	1.03E-07	1.48E-07	2.35E-07	4.15E-08	4.70E-08	1.06E-06
543	489528.13	3861408.47	1.63E-03	1.76E-03	2.76E-03	5.64E-07	1.70E-06	9.85E-07	1.06E-06	9.63E-07	4.39E-07	6.91E-07	1.88E-08	4.55E-07	1.00E-07	1.44E-07	2.29E-07	4.03E-08	4.56E-08	1.03E-06
544	489578.13	3861408.47	1.63E-03	1.76E-03	2.77E-03	5.65E-07	1.71E-06	9.87E-07	1.06E-06	9.65E-07	4.40E-07	6.93E-07	1.89E-08	4.56E-07	1.01E-07	1.45E-07	2.29E-07	4.04E-08	4.57E-08	1.03E-06
545	489628.13	3861408.47	1.64E-03	1.77E-03	2.78E-03	5.67E-07	1.71E-06	9.91E-07	1.07E-06	9.68E-07	4.42E-07	6.96E-07	1.89E-08	4.57E-07	1.01E-07	1.45E-07	2.30E-07	4.05E-08	4.59E-08	1.04E-06
546	489678.13	3861408.47	1.64E-03	1.77E-03	2.78E-03	5.67E-07	1.71E-06	9.92E-07	1.07E-06	9.69E-07	4.42E-07	6.97E-07	1.89E-08	4.58E-07	1.01E-07	1.45E-07	2.30E-07	4.06E-08	4.60E-08	1.04E-06
547	489728.13	3861408.47	1.64E-03	1.77E-03	2.79E-03	5.68E-07	1.72E-06	9.93E-07	1.07E-06	9.70E-07	4.43E-07	6.98E-07	1.90E-08	4.58E-07	1.01E-07	1.45E-07	2.31E-07	4.06E-08	4.60E-08	1.04E-06
548	489528.13	3861458.47	1.60E-03	1.72E-03	2.71E-03	5.53E-07	1.67E-06	9.66E-07	1.04E-06	9.44E-07	4.31E-07	6.78E-07	1.85E-08	4.46E-07	9.84E-08	1.41E-07	2.24E-07	3.95E-08	4.47E-08	1.01E-06
549	489578.13	3861458.47	1.60E-03	1.73E-03	2.72E-03	5.54E-07	1.67E-06	9.68E-07	1.04E-06	9.46E-07	4.32E-07	6.80E-07	1.85E-08	4.47E-07	9.86E-08	1.42E-07	2.25E-07	3.96E-08	4.48E-08	1.02E-06
550	489628.13	3861458.47	1.60E-03	1.73E-03	2.72E-03	5.55E-07	1.68E-06	9.70E-07	1.05E-06	9.48E-07	4.33E-07	6.81E-07	1.85E-08	4.48E-07	9.88E-08	1.42E-07	2.25E-07	3.97E-08	4.49E-08	1.02E-06
551	489678.13	3861458.47	1.61E-03	1.73E-03	2.73E-03	5.56E-07	1.68E-06	9.72E-07	1.05E-06	9.50E-07	4.33E-07	6.82E-07	1.86E-08	4.48E-07	9.89E-08	1.42E-07	2.26E-07	3.98E-08	4.50E-08	1.02E-06
552	489728.13	3861458.47	1.61E-03	1.73E-03	2.73E-03	5.56E-07	1.68E-06	9.72E-07	1.05E-06	9.50E-07	4.33E-07	6.83E-07	1.86E-08	4.48E-07	9.90E-08	1.42E-07	2.26E-07	3.98E-08	4.50E-08	1.02E-06
553	489528.13	3861508.47	1.57E-03	1.69E-03	2.66E-03	5.42E-07	1.64E-06	9.47E-07	1.02E-06	9.26E-07	4.23E-07	6.65E-07	1.81E-08	4.37E-07	9.65E-08	1.39E-07	2.20E-07	3.88E-08	4.39E-08	9.93E-07
554	489578.13	3861508.47	1.57E-03	1.69E-03	2.66E-03	5.43E-07	1.64E-06	9.49E-07	1.02E-06	9.27E-07	4.23E-07	6.66E-07	1.81E-08	4.38E-07	9.66E-08	1.39E-07	2.20E-07	3.88E-08	4.39E-08	9.95E-07
555	489628.13	3861508.47	1.57E-03	1.69E-03	2.67E-03	5.44E-07	1.64E-06	9.51E-07	1.02E-06	9.29E-07	4.24E-07	6.67E-07	1.82E-08	4.39E-07	9.68E-08	1.39E-07	2.21E-07	3.89E-08	4.40E-08	9.96E-07
556	489678.13	3861508.47	1.57E-03	1.70E-03	2.67E-03	5.44E-07	1.64E-06	9.52E-07	1.03E-06	9.30E-07	4.24E-07	6.68E-07	1.82E-08	4.39E-07	9.69E-08	1.39E-07	2.21E-07	3.89E-08	4.41E-08	9.97E-07
557	489728.13	3861508.47	1.57E-03	1.70E-03	2.67E-03	5.45E-07	1.65E-06	9.52E-07	1.03E-06	9.31E-07	4.25E-07	6.69E-07	1.82E-08	4.39E-07	9.70E-08	1.39E-07	2.21E-07	3.90E-08	4.41E-08	9.98E-07
558	489628.13	3861558.47	1.54E-03	1.66E-03	2.62E-03	5.34E-07	1.61E-06	9.33E-07	1.01E-06	9.12E-07	4.16E-07	6.55E-07	1.78E-08	4.31E-07	9.50E-08	1.37E-07	2.17E-07	3.82E-08	4.32E-08	9.78E-07
559	489678.13	3861558.47	1.55E-03	1.67E-03	2.62E-03	5.35E-07	1.62E-06	9.35E-07	1.01E-06	9.14E-07	4.17E-07	6.57E-07	1.79E-08	4.32E-07	9.52E-08	1.37E-07	2.17E-07	3.83E-08	4.33E-08	9.80E-07
560	489728.13	3861558.47	1.55E-03	1.67E-03	2.63E-03	5.36E-07	1.62E-06	9.36E-07	1.01E-06	9.15E-07	4.17E-07	6.58E-07	1.79E-08	4.32E-07	9.53E-08	1.37E-07	2.17E-07	3.83E-08	4.34E-08	9.81E-07
561	489357.08	3861015.81	1.93E-03	2.08E-03	3.27E-03	6.67E-07	2.01E-06	1.17E-06	1.26E-06	1.14E-06	5.20E-07	8.18E-07	2.23E-08	5.38E-07	1.19E-07	1.71E-07	2.71E-07	4.77E-08	5.39E-08	1.22E-06
562	489407.08	3861015.81	1.93E-03	2.08E-03	3.27E-03	6.67E-07	2.01E-06	1.17E-06	1.26E-06	1.14E-06	5.20E-07	8.18E-07	2.23E-08	5.38E-07	1.19E-07	1.71E-07	2.71E-07	4.77E-08	5.39E-08	1.22E-06
563	489457.08	3861015.81	1.93E-03	2.08E-03	3.27E-03	6.68E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.20E-07	8.19E-07	2.23E-08	5.38E-07	1.19E-07	1.71E-07	2.71E-07	4.78E-08	5.40E-08	1.22E-06
564	489357.08	3861065.81	1.88E-03	2.03E-03	3.20E-03	6.52E-07	1.97E-06	1.14E-06	1.23E-06	1.11E-06	5.08E-07	8.00E-07	2.18E-08	5.26E-07	1.16E-07	1.67E-07	2.65E-07	4.67E-08	5.28E-08	1.19E-06
565	489407.08	3861065.81	1.88E-03	2.03E-03	3.20E-03	6.52E-07	1.97E-06	1.14E-06	1.23E-06	1.11E-06	5.08E-07	8.00E-07	2.18E-08	5.26E-07	1.16E-07	1.67E-07	2.65E-07	4.67E-08	5.28E-08	1.20E-06
566	489457.08	3861065.81	1.89E-03	2.03E-03	3.20E-03	6.53E-07	1.97E-06	1.14E-06	1.23E-06	1.12E-06	5.09E-07	8.01E-07	2.18E-08	5.27E-07	1.16E-07	1.67E-07	2.65E-07	4.67E-08	5.29E-08	1.20E-06
567	489357.08	3861115.81	1.84E-03	1.99E-03	3.13E-03	6.38E-07	1.93E-06	1.12E-06	1.20E-06	1.09E-06	4.97E-07	7.83E-07	2.13E-08	5.15E-07	1.14E-07	1.63E-07	2.59E-07	4.56E-08	5.16E-08	1.17E-06
568	489407.08	3861115.81	1.85E-03	1.99E-03	3.13E-03	6.39E-07	1.93E-06	1.12E-06	1.20E-06	1.09E-06	4.98E-07	7.84E-07	2.13E-08	5.16E-07	1.14E-07	1.64E-07	2.59E-07	4.57E-08	5.17E-08	1.17E-06
569	489457.08	3861115.81	1.85E-03	1.99E-03	3.14E-03	6.40E-07	1.93E-06	1.12E-06	1.21E-06	1.09E-06	4.99E-07	7.85E-07	2.14E-08	5.16E-07	1.14E-07	1.64E-07	2.60E-07	4.58E-08	5.18E-08	1.17E-06
570	489407.08	3861165.81	1.81E-03	1.95E-03	3.07E-03	6.26E-07	1.89E-06	1.09E-06	1.18E-06	1.07E-06	4.88E-07	7.68E-07	2.09E-08	5.05E-07	1.11E-07	1.60E-07	2.54E-07	4.48E-08	5.07E-08	1.15E-06
571	489457.08	3861165.81	1.81E-03	1.95E-03	3.07E-03	6.27E-07	1.89E-06	1.10E-06	1.18E-06	1.07E-06	4.88E-07	7.69E-07	2.09E-08	5.05E-07	1.12E-07	1.60E-07	2.54E-07	4.48E-08	5.07E-08	1.15E-06
572	489407.08	3861215.81	1.76E-03	1.90E-03	2.99E-03	6.11E-07	1.84E-06	1.07E-06	1.15E-06	1.04E-06	4.76E-07	7.49E-07	2.04E-08	4.92E-07	1.09E-07	1.56E-07	2.48E-07	4.37E-08	4.94E-08	1.12E-06
573	489457.08	3861215.81	1.77E-03	1.90E-03	3.00E-03	6.11E-07	1.85E-06	1.07E-06	1.15E-06	1.04E-06	4.76E-07	7.50E-07	2.04E-08	4.93E-07	1.09E-07	1.56E-07	2.48E-07	4.37E-08	4.95E-08	1.12E-06
574	489407.08	3861265.81	1.72E-03	1.85E-03	2.92E-03	5.95E-07	1.80E-06	1.04E-06	1.12E-06	1.02E-06	4.64E-07	7.30E-07	1.99E-08	4.80E-07	1.06E-07	1.52E-07	2.42E-07	4.26E-08	4.82E-08	1.09E-06
575	489457.08	3861265.81	1.72E-03	1.86E-03	2.92E-03	5.97E-07	1.80E-06	1.04E-06	1.12E-06	1.02E-06	4.65E-07	7.32E-07	1.99E-08	4.81E-07	1.06E-07	1.53E-07	2.42E-07	4.27E-08	4.83E-08	1.09E-06
576	489309.86	3861110.14	1.84E-03	1.99E-03	3.13E-03	6.38E-07	1.93E-06	1.12E-06	1.20E-06	1.09E-06	4.97E-07	7.82E-07	2.13E-08	5.15E-07	1.14E-07	1.63E-07	2.59E-07	4.56E-08	5.16E-08	1.17E-06
577	489407.08	3861315.81	1.68E-03	1.81E-03	2.86E-03	5.83E-07	1.76E-06	1.02E-06	1.10E-06	9.96E-07	4.54E-07	7.15E-07	1.95E-08	4.70E-07	1.04E-07	1.49E-07	2.37E-07	4.17E-08	4.71E-08	1.07E-06
578	489457.08	3861315.81	1.69E-03	1.82E-03	2.86E-03	5.84E-07	1.76E-06	1.02E-06	1.10E-06	9.98E-07	4.55E-07	7.17E-07	1.95E-08	4.71E-07	1.04E-07	1.49E-07	2.37E-07	4.18E-08	4.73E-08	1.07E-06
579	488906.03	3861006.75	1.92E-03	2.07E-03	3.26E-03	6.65E-07	2.01E-06	1.16E-06	1.25E-06	1.14E-06	5.19E-07	8.15E-07	2.22E-08	5.37E-07	1.18E-07	1.70E-07	2.70E-07	4.76E-08	5.38E-08	1.22E-06
580	488956.03	3861006.75	1.93E-03	2.08E-03	3.27E-03	6.68E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.21E-07	8.18E-07	2.23E-08	5.39E-07	1.19E-07	1.71E-07	2.71E-07	4.78E-08	5.40E-08	1.22E-06
581	488904.24	3861051.87	1.91E-03	2.06E-03	3.23E-03	6.61E-07	2.00E-06	1.15E-06	1.24E-06	1.13E-06	5.15E-07	8.10E-07	2.21E-08	5.33E-07	1.18E-07	1.69E-07	2.68E-07	4.73E-08	5.34E-08	1.21E-06
582	488954.24	3861051.87	1.90E-03	2.05E-03	3.22E-03	6.58E-07	1.99E-06	1.15E-06	1.24E-06	1.12E-06	5.13E-07	8.06E-07	2.20E-08	5.31E-07	1.17E-07	1.68E-07	2.67E-07	4.70E-08	5.32E-08	1.21E-06
583	489004.24	3861051.87	1.91E-03	2.06E-03	3.24E-03	6.61E-07	2.00E-06	1.16E-06	1.25E-06	1.13E-06	5.15E-07	8.10E-07	2.21E-08	5.33E-07	1.18E-07	1.69E-07	2.68E-07	4.73E-08	5.34E-08	1.21E-06

584	488804.24	3861101.87	1.85E-03	1.99E-03	3.13E-03	6.41E-07	1.93E-06	1.12E-06	1.21E-06	1.09E-06	4.99E-07	7.85E-07	2.14E-08	5.17E-07	1.14E-07	1.64E-07	2.60E-07	4.58E-08	5.17E-08	1.17E-06
585	488854.24	3861101.87	1.86E-03	2.00E-03	3.15E-03	6.43E-07	1.94E-06	1.12E-06	1.21E-06	1.10E-06	5.01E-07	7.88E-07	2.15E-08	5.19E-07	1.14E-07	1.64E-07	2.61E-07	4.60E-08	5.20E-08	1.18E-06
586	488904.24	3861101.87	1.84E-03	1.98E-03	3.12E-03	6.37E-07	1.92E-06	1.11E-06	1.20E-06	1.09E-06	4.96E-07	7.80E-07	2.13E-08	5.14E-07	1.13E-07	1.63E-07	2.59E-07	4.56E-08	5.15E-08	1.17E-06
587	488954.24	3861101.87	1.84E-03	1.98E-03	3.11E-03	6.36E-07	1.92E-06	1.11E-06	1.20E-06	1.09E-06	4.95E-07	7.79E-07	2.12E-08	5.13E-07	1.13E-07	1.63E-07	2.58E-07	4.55E-08	5.14E-08	1.16E-06
588	489004.24	3861101.87	1.84E-03	1.98E-03	3.12E-03	6.37E-07	1.92E-06	1.11E-06	1.20E-06	1.09E-06	4.96E-07	7.80E-07	2.13E-08	5.14E-07	1.13E-07	1.63E-07	2.58E-07	4.55E-08	5.14E-08	1.17E-06
589	488804.24	3861151.87	1.79E-03	1.93E-03	3.02E-03	6.18E-07	1.87E-06	1.08E-06	1.16E-06	1.06E-06	4.82E-07	7.57E-07	2.06E-08	4.99E-07	1.10E-07	1.58E-07	2.51E-07	4.42E-08	4.99E-08	1.13E-06
590	488854.24	3861151.87	1.78E-03	1.92E-03	3.02E-03	6.18E-07	1.87E-06	1.08E-06	1.16E-06	1.06E-06	4.81E-07	7.57E-07	2.06E-08	4.98E-07	1.10E-07	1.58E-07	2.51E-07	4.42E-08	4.99E-08	1.13E-06
591	489129.49	3861187.55	1.77E-03	1.90E-03	2.99E-03	6.11E-07	1.85E-06	1.07E-06	1.15E-06	1.04E-06	4.76E-07	7.49E-07	2.04E-08	4.93E-07	1.09E-07	1.56E-07	2.48E-07	4.37E-08	4.94E-08	1.12E-06
592	489179.49	3861187.55	1.77E-03	1.91E-03	3.00E-03	6.12E-07	1.85E-06	1.07E-06	1.15E-06	1.05E-06	4.77E-07	7.50E-07	2.04E-08	4.94E-07	1.09E-07	1.57E-07	2.48E-07	4.38E-08	4.95E-08	1.12E-06
593	488804.24	3861201.87	1.75E-03	1.89E-03	2.96E-03	6.05E-07	1.83E-06	1.06E-06	1.14E-06	1.03E-06	4.72E-07	7.41E-07	2.02E-08	4.88E-07	1.08E-07	1.55E-07	2.46E-07	4.33E-08	4.89E-08	1.11E-06
594	488854.24	3861201.87	1.74E-03	1.88E-03	2.95E-03	6.03E-07	1.82E-06	1.05E-06	1.14E-06	1.03E-06	4.70E-07	7.39E-07	2.01E-08	4.87E-07	1.07E-07	1.54E-07	2.45E-07	4.31E-08	4.87E-08	1.11E-06
595	489129.49	3861237.55	1.73E-03	1.87E-03	2.94E-03	6.00E-07	1.81E-06	1.05E-06	1.13E-06	1.02E-06	4.68E-07	7.35E-07	2.00E-08	4.84E-07	1.07E-07	1.53E-07	2.43E-07	4.29E-08	4.85E-08	1.10E-06
596	489179.49	3861237.55	1.73E-03	1.87E-03	2.93E-03	5.99E-07	1.81E-06	1.05E-06	1.13E-06	1.02E-06	4.67E-07	7.34E-07	2.00E-08	4.83E-07	1.07E-07	1.53E-07	2.43E-07	4.29E-08	4.84E-08	1.10E-06
597	488804.24	3861251.87	1.71E-03	1.85E-03	2.90E-03	5.94E-07	1.79E-06	1.04E-06	1.12E-06	1.01E-06	4.63E-07	7.27E-07	1.98E-08	4.79E-07	1.06E-07	1.52E-07	2.41E-07	4.24E-08	4.79E-08	1.09E-06
598	488854.24	3861251.87	1.71E-03	1.84E-03	2.89E-03	5.91E-07	1.79E-06	1.03E-06	1.11E-06	1.01E-06	4.61E-07	7.24E-07	1.97E-08	4.77E-07	1.05E-07	1.51E-07	2.40E-07	4.23E-08	4.77E-08	1.08E-06
599	488804.24	3861301.87	1.68E-03	1.81E-03	2.84E-03	5.81E-07	1.75E-06	1.01E-06	1.09E-06	9.91E-07	4.52E-07	7.11E-07	1.94E-08	4.68E-07	1.03E-07	1.48E-07	2.36E-07	4.15E-08	4.69E-08	1.06E-06
600	488854.24	3861301.87	1.67E-03	1.80E-03	2.83E-03	5.79E-07	1.75E-06	1.01E-06	1.09E-06	9.89E-07	4.51E-07	7.09E-07	1.93E-08	4.67E-07	1.03E-07	1.48E-07	2.35E-07	4.14E-08	4.68E-08	1.06E-06
601	490943.5	3860181.97	2.81E-03	3.03E-03	4.79E-03	9.74E-07	2.94E-06	1.70E-06	1.84E-06	1.66E-06	7.59E-07	1.20E-06	3.25E-08	7.85E-07	1.73E-07	2.49E-07	3.95E-07	6.97E-08	7.90E-08	1.78E-06
602	490993.5	3860181.97	2.82E-03	3.04E-03	4.80E-03	9.76E-07	2.95E-06	1.71E-06	1.84E-06	1.67E-06	7.61E-07	1.20E-06	3.26E-08	7.87E-07	1.74E-07	2.50E-07	3.96E-07	6.98E-08	7.92E-08	1.79E-06
603	491043.5	3860181.97	2.83E-03	3.05E-03	4.81E-03	9.79E-07	2.96E-06	1.71E-06	1.85E-06	1.67E-06	7.63E-07	1.20E-06	3.27E-08	7.90E-07	1.74E-07	2.51E-07	3.97E-07	7.00E-08	7.94E-08	1.79E-06
604	491093.5	3860181.97	2.83E-03	3.06E-03	4.82E-03	9.81E-07	2.96E-06	1.71E-06	1.85E-06	1.68E-06	7.65E-07	1.21E-06	3.28E-08	7.91E-07	1.75E-07	2.51E-07	3.98E-07	7.02E-08	7.96E-08	1.80E-06
605	490943.5	3860231.97	2.72E-03	2.93E-03	4.62E-03	9.40E-07	2.84E-06	1.64E-06	1.77E-06	1.61E-06	7.33E-07	1.16E-06	3.14E-08	7.58E-07	1.67E-07	2.41E-07	3.82E-07	6.73E-08	7.63E-08	1.72E-06
606	490993.5	3860231.97	2.73E-03	2.94E-03	4.64E-03	9.44E-07	2.85E-06	1.65E-06	1.78E-06	1.61E-06	7.36E-07	1.16E-06	3.15E-08	7.62E-07	1.68E-07	2.42E-07	3.83E-07	6.76E-08	7.67E-08	1.73E-06
607	491043.5	3860231.97	2.73E-03	2.95E-03	4.65E-03	9.45E-07	2.85E-06	1.65E-06	1.78E-06	1.62E-06	7.37E-07	1.16E-06	3.16E-08	7.62E-07	1.68E-07	2.42E-07	3.84E-07	6.76E-08	7.67E-08	1.73E-06
608	491093.5	3860231.97	2.73E-03	2.95E-03	4.66E-03	9.47E-07	2.86E-06	1.65E-06	1.78E-06	1.62E-06	7.38E-07	1.17E-06	3.16E-08	7.64E-07	1.68E-07	2.42E-07	3.84E-07	6.77E-08	7.69E-08	1.73E-06
609	490943.5	3860281.97	2.63E-03	2.84E-03	4.48E-03	9.10E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.10E-07	1.12E-06	3.04E-08	7.34E-07	1.62E-07	2.33E-07	3.70E-07	6.51E-08	7.39E-08	1.67E-06
610	490993.5	3860281.97	2.64E-03	2.84E-03	4.49E-03	9.13E-07	2.76E-06	1.60E-06	1.72E-06	1.56E-06	7.12E-07	1.12E-06	3.05E-08	7.36E-07	1.62E-07	2.34E-07	3.71E-07	6.53E-08	7.41E-08	1.67E-06
611	491043.5	3860281.97	2.64E-03	2.85E-03	4.50E-03	9.14E-07	2.76E-06	1.60E-06	1.72E-06	1.56E-06	7.13E-07	1.13E-06	3.05E-08	7.37E-07	1.63E-07	2.34E-07	3.71E-07	6.54E-08	7.42E-08	1.68E-06
612	491093.5	3860281.97	2.64E-03	2.85E-03	4.50E-03	9.15E-07	2.76E-06	1.60E-06	1.73E-06	1.56E-06	7.14E-07	1.13E-06	3.06E-08	7.38E-07	1.63E-07	2.34E-07	3.72E-07	6.55E-08	7.43E-08	1.68E-06
613	490943.5	3860331.97	2.55E-03	2.75E-03	4.34E-03	8.82E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.88E-07	1.09E-06	2.95E-08	7.12E-07	1.57E-07	2.26E-07	3.58E-07	6.31E-08	7.17E-08	1.62E-06
614	490993.5	3860331.97	2.55E-03	2.75E-03	4.34E-03	8.82E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.88E-07	1.09E-06	2.95E-08	7.12E-07	1.57E-07	2.26E-07	3.58E-07	6.32E-08	7.17E-08	1.62E-06
615	491043.5	3860331.97	2.55E-03	2.75E-03	4.35E-03	8.83E-07	2.67E-06	1.54E-06	1.67E-06	1.51E-06	6.89E-07	1.09E-06	2.95E-08	7.12E-07	1.57E-07	2.26E-07	3.59E-07	6.32E-08	7.18E-08	1.62E-06
616	491093.5	3860331.97	2.56E-03	2.76E-03	4.35E-03	8.85E-07	2.67E-06	1.55E-06	1.67E-06	1.51E-06	6.90E-07	1.09E-06	2.95E-08	7.14E-07	1.57E-07	2.26E-07	3.59E-07	6.33E-08	7.19E-08	1.62E-06
617	490086.72	3859935.12	3.32E-03	3.58E-03	5.63E-03	1.15E-06	3.47E-06	2.01E-06	2.16E-06	1.96E-06	8.95E-07	1.41E-06	3.83E-08	9.26E-07	2.04E-07	2.94E-07	4.66E-07	8.21E-08	9.30E-08	2.10E-06
618	490136.72	3859935.12	3.30E-03	3.56E-03	5.61E-03	1.14E-06	3.45E-06	2.00E-06	2.16E-06	1.95E-06	8.92E-07	1.40E-06	3.82E-08	9.23E-07	2.04E-07	2.93E-07	4.64E-07	8.18E-08	9.27E-08	2.10E-06
619	490186.72	3859935.12	3.30E-03	3.55E-03	5.60E-03	1.14E-06	3.44E-06	1.99E-06	2.15E-06	1.95E-06	8.89E-07	1.40E-06	3.81E-08	9.20E-07	2.03E-07	2.92E-07	4.63E-07	8.16E-08	9.24E-08	2.09E-06
620	490236.72	3859935.12	3.29E-03	3.55E-03	5.59E-03	1.14E-06	3.44E-06	1.99E-06	2.15E-06	1.95E-06	8.88E-07	1.40E-06	3.80E-08	9.19E-07	2.03E-07	2.91E-07	4.62E-07	8.15E-08	9.23E-08	2.09E-06
621	490286.72	3859935.12	3.29E-03	3.54E-03	5.58E-03	1.14E-06	3.44E-06	1.99E-06	2.14E-06	1.94E-06	8.87E-07	1.40E-06	3.80E-08	9.18E-07	2.03E-07	2.91E-07	4.62E-07	8.14E-08	9.22E-08	2.09E-06
622	490336.72	3859935.12	3.29E-03	3.54E-03	5.58E-03	1.14E-06	3.44E-06	1.99E-06	2.14E-06	1.94E-06	8.87E-07	1.40E-06	3.80E-08	9.18E-07	2.03E-07	2.91E-07	4.62E-07	8.14E-08	9.22E-08	2.08E-06
623	490386.72	3859935.12	3.29E-03	3.55E-03	5.59E-03	1.14E-06	3.44E-06	1.99E-06	2.15E-06	1.95E-06	8.88E-07	1.40E-06	3.80E-08	9.19E-07	2.03E-07	2.91E-07	4.62E-07	8.15E-08	9.23E-08	2.09E-06
624	490436.72	3859935.12	3.30E-03	3.55E-03	5.60E-03	1.14E-06	3.44E-06	1.99E-06	2.15E-06	1.95E-06	8.89E-07	1.40E-06	3.81E-08	9.20E-07	2.03E-07	2.92E-07	4.63E-07	8.16E-08	9.24E-08	2.09E-06
625	490486.72	3859935.12	3.30E-03	3.56E-03	5.61E-03	1.14E-06	3.45E-06	2.00E-06	2.16E-06	1.95E-06	8.92E-07	1.40E-06	3.82E-08	9.23E-07	2.04E-07	2.93E-07	4.64E-07	8.18E-08	9.26E-08	2.10E-06
626	490536.72	3859935.12	3.32E-03	3.58E-03	5.64E-03	1.15E-06	3.47E-06	2.01E-06	2.17E-06	1.96E-06	8.96E-07	1.41E-06	3.84E-08	9.28E-07	2.05E-07	2.94E-07	4.67E-07	8.23E-08	9.31E-08	2.11E-06
627	490586.72	3859935.12	3.34E-03	3.60E-03	5.68E-03	1.16E-06	3.49E-06	2.02E-06	2.18E-06	1.98E-06	9.02E-07	1.42E-06	3.86E-08	9.33E-07	2.06E-07	2.96E-07	4.70E-07	8.28E-08	9.37E-08	2.12E-06
628	490636.72	3859935.12	3.36E-03	3.62E-03	5.70E-03	1.16E-06	3.51E-06	2.03E-06	2.19E-06	1.99E-06	9.06E-07	1.43E-06	3.88E-08	9.37E-07	2.07E-07	2.97E-07	4.72E-07	8.32E-08	9.42E-08	2.13E-06
629	490686.72	3859935.12	3.38E-03	3.65E-03	5.75E-03	1.17E-06	3.54E-06	2.05E-06	2.21E-06	2.00E-06	9.13E-07	1.44E-06	3.91E-08	9.44E-07	2.08E-07	3.00E-07	4.75E-07	8.38E-08	9.49E-08	2.15E-06
630	490736.72	3859935.12	3.40E-03	3.67E-03	5.78E-03	1.18E-06	3.55E-06	2.06E-06	2.22E-06	2.01E-06	9.18E-07	1.45E-06	3.93E-08	9.50E-07	2.10E-07	3.01E-07	4.78E-07	8.42E-08	9.54E-08	2.16E-06
631	490086.72	3859985.12	3.22E-03	3.48E-03	5.48E-03	1.12E-06	3.37E-06	1.95E-06	2.10E-06	1.91E-06	8.70E-07	1.37E-06	3.73E-08	9.00E-07	1.99E-07	2.86E-07	4.53E-07	7.99E-08	9.05E-08	2.05E-06
632	490136.72	3859985.12	3.21E-03	3.46E-03	5.45E-03	1.11E-06	3.35E-06	1.94E-06	2.09E-06	1.90E-06	8.66E-07	1.36E-06	3.71E-08	8.96E-07	1.98E-07	2.84E-07	4.51E-07	7.95E-08	9.00E-08	2.04E-06
633	490186.72	3859985.12	3.20E-03	3.45E-03	5.43E-03	1.11E-06	3.34E-06	1.93E-06	2.09E-06	1.89E-06	8.63E-07	1.36E-06	3.70E-08	8.93E-07	1.97E-07	2.83E-07	4.49E-07	7.92E-08	8.97E-08	2.03E-06
634	490236.72	3859985.12	3.19E-03	3.44E-03	5.42E-03	1.10E-06	3.34E-06	1.93E-06	2.08E-06	1.89E-06	8.61E-07	1.36E-06	3.69E-08	8.91E-07	1.97E-07	2.83E-07	4.48E-07	7.90E-08	8.95E-08	2.02E-06
635	490286.72	3859985.12	3.18E-03	3.43E-03	5.41E-03	1.10E-06	3.33E-06	1.93E-06	2.08E-06	1.88E-06	8.59E-07	1.35E-06	3.68E-08	8.89E-07	1.96E-07	2.82E-07	4.47E-07	7.89E-08	8.93E-08	2.02E-06
636	490336.72	3859985.12	3.18E-03	3.43E-03	5.40E-03	1.10E-06	3.32E-06	1.92E-06	2.07E-06	1.88E-06	8.58E-07	1.35E-06	3.67E-08	8.88E-07	1.96E-07	2.82E-07	4.47E-07	7.87E-08	8.92E-08	2.02E-06
637	490386.72	3859985.12	3.17E-03	3.42E-03	5.39E-03	1.10E-06	3.32E-06	1.92E-06	2.07E-06	1.88E-06	8.57E-07	1.35E-06	3.67E-08	8.86E-07	1.96E-07	2.81E-07	4.46E-07	7.86E-08	8.91E-08	2.01E-06
638	490436.72	3859985.12	3.17E-03	3.42E-03	5.40E-03	1.10E-06	3.32E-06	1.92E-06	2.07E-06	1.88E-06	8.57E-07	1.35E-06	3.67E-08	8.86E-07	1.96E-07	2.81E-07	4.46E-07	7.86E-08	8.91E-08	2.01E-06
639	490486.72	3859985.12	3.18E-03	3.43E-03	5.40E-03	1.10E-06	3.32E-06	1.92E-06	2.07E-06	1.88E-06	8.58E-07	1.35E-06	3.68E-08	8.88E-07	1.96E-07	2.82E-07	4.47E-07	7.88E-08	8.92E-08	2.02E-06
640	490536.72	3859985.12	3.19E-03	3.44E-03	5.42E-03	1.10E-06	3.33E-06	1.93E-06	2.08E-06	1.89E-06	8.61E-07	1.36E-06	3.69E-08	8.91E-07	1.97E-07	2.83E-07	4.48E-07	7.90E-08	8.95E-08	2.02E-06
641	490586.72	3859985.12	3.21E-03	3.46E-03	5.45E-03	1.11E-06	3.35E-06	1.94E-06	2.09E-06	1.90E-06	8.65E-07	1.36E-06	3.70E-08	8.95E-07	1.97E-07	2.84E-07	4.50E-07	7.94E-08	8.99E-08	2.03E-06
642	490636.72	3859985.12	3.22E-03	3.48E-03	5.48E-03	1.12E-06	3.37E-06	1.95E-06	2.10E-06	1.91E-06	8.70E-07	1.37E-06	3.73E-08	9.00E-07	1.99E-07	2.86E-07	4.53E-07	7.98E-08	9.04E-08	2.04E-06

643	490686.72	3859985.12	3.25E-03	3.50E-03	5.52E-03	1.12E-06	3.39E-06	1.96E-06	2.12E-06	1.92E-06	8.76E-07	1.38E-06	3.75E-08	9.07E-07	2.00E-07	2.88E-07	4.56E-07	8.04E-08	9.11E-08	2.06E-06
644	490736.72	3859985.12	3.26E-03	3.52E-03	5.54E-03	1.13E-06	3.41E-06	1.97E-06	2.13E-06	1.93E-06	8.80E-07	1.39E-06	3.77E-08	9.10E-07	2.01E-07	2.89E-07	4.58E-07	8.08E-08	9.15E-08	2.07E-06
645	490786.72	3859985.12	3.27E-03	3.53E-03	5.57E-03	1.13E-06	3.42E-06	1.98E-06	2.14E-06	1.94E-06	8.83E-07	1.39E-06	3.78E-08	9.14E-07	2.02E-07	2.90E-07	4.60E-07	8.11E-08	9.19E-08	2.08E-06
646	490086.72	3860035.12	3.14E-03	3.39E-03	5.34E-03	1.09E-06	3.28E-06	1.90E-06	2.05E-06	1.86E-06	8.48E-07	1.34E-06	3.63E-08	8.78E-07	1.94E-07	2.78E-07	4.42E-07	7.78E-08	8.82E-08	1.99E-06
647	490136.72	3860035.12	3.12E-03	3.37E-03	5.31E-03	1.08E-06	3.27E-06	1.89E-06	2.04E-06	1.85E-06	8.43E-07	1.33E-06	3.61E-08	8.72E-07	1.93E-07	2.77E-07	4.39E-07	7.74E-08	8.77E-08	1.98E-06
648	490186.72	3860035.12	3.11E-03	3.35E-03	5.29E-03	1.08E-06	3.25E-06	1.88E-06	2.03E-06	1.84E-06	8.39E-07	1.32E-06	3.59E-08	8.68E-07	1.92E-07	2.75E-07	4.37E-07	7.70E-08	8.73E-08	1.97E-06
649	490236.72	3860035.12	3.10E-03	3.34E-03	5.27E-03	1.07E-06	3.24E-06	1.87E-06	2.02E-06	1.83E-06	8.36E-07	1.32E-06	3.58E-08	8.65E-07	1.91E-07	2.74E-07	4.35E-07	7.67E-08	8.69E-08	1.96E-06
650	490286.72	3860035.12	3.09E-03	3.33E-03	5.25E-03	1.07E-06	3.23E-06	1.87E-06	2.01E-06	1.83E-06	8.33E-07	1.31E-06	3.57E-08	8.62E-07	1.90E-07	2.73E-07	4.34E-07	7.64E-08	8.66E-08	1.96E-06
651	490336.72	3860035.12	3.08E-03	3.32E-03	5.24E-03	1.07E-06	3.22E-06	1.86E-06	2.01E-06	1.82E-06	8.31E-07	1.31E-06	3.56E-08	8.60E-07	1.90E-07	2.73E-07	4.33E-07	7.63E-08	8.65E-08	1.95E-06
652	490386.72	3860035.12	3.07E-03	3.31E-03	5.22E-03	1.06E-06	3.21E-06	1.86E-06	2.00E-06	1.82E-06	8.29E-07	1.31E-06	3.55E-08	8.58E-07	1.89E-07	2.72E-07	4.32E-07	7.61E-08	8.62E-08	1.95E-06
653	490436.72	3860035.12	3.07E-03	3.31E-03	5.22E-03	1.06E-06	3.21E-06	1.86E-06	2.00E-06	1.81E-06	8.28E-07	1.31E-06	3.55E-08	8.57E-07	1.89E-07	2.72E-07	4.31E-07	7.60E-08	8.61E-08	1.95E-06
654	490486.72	3860035.12	3.07E-03	3.31E-03	5.22E-03	1.06E-06	3.21E-06	1.86E-06	2.00E-06	1.81E-06	8.28E-07	1.31E-06	3.55E-08	8.57E-07	1.89E-07	2.72E-07	4.31E-07	7.60E-08	8.61E-08	1.95E-06
655	490536.72	3860035.12	3.07E-03	3.31E-03	5.23E-03	1.06E-06	3.21E-06	1.86E-06	2.01E-06	1.82E-06	8.30E-07	1.31E-06	3.55E-08	8.58E-07	1.89E-07	2.72E-07	4.32E-07	7.61E-08	8.63E-08	1.95E-06
656	490586.72	3860035.12	3.08E-03	3.32E-03	5.24E-03	1.07E-06	3.22E-06	1.86E-06	2.01E-06	1.82E-06	8.32E-07	1.31E-06	3.56E-08	8.60E-07	1.90E-07	2.73E-07	4.33E-07	7.63E-08	8.65E-08	1.95E-06
657	490636.72	3860035.12	3.09E-03	3.33E-03	5.25E-03	1.07E-06	3.23E-06	1.87E-06	2.01E-06	1.83E-06	8.33E-07	1.31E-06	3.57E-08	8.62E-07	1.90E-07	2.74E-07	4.34E-07	7.65E-08	8.67E-08	1.96E-06
658	490686.72	3860035.12	3.10E-03	3.35E-03	5.28E-03	1.07E-06	3.24E-06	1.88E-06	2.02E-06	1.84E-06	8.37E-07	1.32E-06	3.59E-08	8.66E-07	1.91E-07	2.75E-07	4.36E-07	7.69E-08	8.71E-08	1.97E-06
659	490736.72	3860035.12	3.13E-03	3.37E-03	5.32E-03	1.08E-06	3.27E-06	1.89E-06	2.04E-06	1.85E-06	8.44E-07	1.33E-06	3.62E-08	8.73E-07	1.93E-07	2.77E-07	4.40E-07	7.75E-08	8.78E-08	1.98E-06
660	490786.72	3860035.12	3.14E-03	3.39E-03	5.34E-03	1.09E-06	3.28E-06	1.90E-06	2.05E-06	1.86E-06	8.47E-07	1.34E-06	3.63E-08	8.77E-07	1.93E-07	2.78E-07	4.41E-07	7.78E-08	8.81E-08	1.99E-06
661	490836.72	3860035.12	3.15E-03	3.40E-03	5.36E-03	1.09E-06	3.29E-06	1.91E-06	2.06E-06	1.86E-06	8.50E-07	1.34E-06	3.64E-08	8.80E-07	1.94E-07	2.79E-07	4.43E-07	7.80E-08	8.85E-08	2.00E-06
662	490086.72	3860085.12	3.08E-03	3.32E-03	5.23E-03	1.06E-06	3.21E-06	1.86E-06	2.01E-06	1.82E-06	8.30E-07	1.31E-06	3.56E-08	8.59E-07	1.90E-07	2.72E-07	4.32E-07	7.62E-08	8.64E-08	1.95E-06
663	490136.72	3860085.12	3.05E-03	3.29E-03	5.18E-03	1.06E-06	3.19E-06	1.84E-06	1.99E-06	1.80E-06	8.23E-07	1.30E-06	3.52E-08	8.51E-07	1.88E-07	2.70E-07	4.28E-07	7.55E-08	8.56E-08	1.93E-06
664	490186.72	3860085.12	3.03E-03	3.27E-03	5.16E-03	1.05E-06	3.17E-06	1.84E-06	1.98E-06	1.79E-06	8.19E-07	1.29E-06	3.51E-08	8.47E-07	1.87E-07	2.69E-07	4.26E-07	7.51E-08	8.52E-08	1.92E-06
665	490236.72	3860085.12	3.02E-03	3.25E-03	5.13E-03	1.04E-06	3.15E-06	1.83E-06	1.97E-06	1.78E-06	8.14E-07	1.28E-06	3.49E-08	8.42E-07	1.86E-07	2.67E-07	4.24E-07	7.47E-08	8.47E-08	1.91E-06
666	490286.72	3860085.12	3.00E-03	3.24E-03	5.11E-03	1.04E-06	3.14E-06	1.82E-06	1.96E-06	1.78E-06	8.10E-07	1.28E-06	3.47E-08	8.38E-07	1.85E-07	2.66E-07	4.22E-07	7.44E-08	8.43E-08	1.90E-06
667	490336.72	3860085.12	2.99E-03	3.22E-03	5.09E-03	1.04E-06	3.13E-06	1.81E-06	1.95E-06	1.77E-06	8.07E-07	1.27E-06	3.46E-08	8.35E-07	1.84E-07	2.65E-07	4.20E-07	7.41E-08	8.40E-08	1.90E-06
668	490386.72	3860085.12	2.98E-03	3.21E-03	5.07E-03	1.03E-06	3.11E-06	1.80E-06	1.94E-06	1.76E-06	8.04E-07	1.27E-06	3.44E-08	8.32E-07	1.84E-07	2.64E-07	4.19E-07	7.38E-08	8.37E-08	1.89E-06
669	490436.72	3860085.12	2.97E-03	3.21E-03	5.06E-03	1.03E-06	3.11E-06	1.80E-06	1.94E-06	1.76E-06	8.02E-07	1.27E-06	3.44E-08	8.30E-07	1.83E-07	2.63E-07	4.18E-07	7.36E-08	8.35E-08	1.89E-06
670	490486.72	3860085.12	2.97E-03	3.20E-03	5.05E-03	1.03E-06	3.10E-06	1.80E-06	1.94E-06	1.76E-06	8.01E-07	1.26E-06	3.43E-08	8.29E-07	1.83E-07	2.63E-07	4.17E-07	7.35E-08	8.33E-08	1.88E-06
671	490536.72	3860085.12	2.97E-03	3.20E-03	5.05E-03	1.03E-06	3.10E-06	1.80E-06	1.94E-06	1.76E-06	8.01E-07	1.26E-06	3.43E-08	8.29E-07	1.83E-07	2.63E-07	4.17E-07	7.35E-08	8.34E-08	1.88E-06
672	490586.72	3860085.12	2.97E-03	3.21E-03	5.06E-03	1.03E-06	3.11E-06	1.80E-06	1.94E-06	1.76E-06	8.02E-07	1.27E-06	3.44E-08	8.30E-07	1.83E-07	2.63E-07	4.18E-07	7.36E-08	8.35E-08	1.89E-06
673	490636.72	3860085.12	2.98E-03	3.21E-03	5.06E-03	1.03E-06	3.11E-06	1.80E-06	1.94E-06	1.76E-06	8.03E-07	1.27E-06	3.44E-08	8.31E-07	1.83E-07	2.64E-07	4.18E-07	7.37E-08	8.36E-08	1.89E-06
674	490686.72	3860085.12	2.99E-03	3.22E-03	5.08E-03	1.03E-06	3.12E-06	1.81E-06	1.95E-06	1.77E-06	8.06E-07	1.27E-06	3.45E-08	8.34E-07	1.84E-07	2.65E-07	4.20E-07	7.39E-08	8.38E-08	1.89E-06
675	490736.72	3860085.12	3.00E-03	3.23E-03	5.10E-03	1.04E-06	3.13E-06	1.81E-06	1.96E-06	1.77E-06	8.09E-07	1.28E-06	3.47E-08	8.37E-07	1.85E-07	2.66E-07	4.22E-07	7.43E-08	8.42E-08	1.90E-06
676	490786.72	3860085.12	3.01E-03	3.25E-03	5.13E-03	1.04E-06	3.15E-06	1.82E-06	1.97E-06	1.78E-06	8.13E-07	1.28E-06	3.48E-08	8.42E-07	1.86E-07	2.67E-07	4.24E-07	7.47E-08	8.46E-08	1.91E-06
677	490836.72	3860085.12	3.02E-03	3.26E-03	5.14E-03	1.05E-06	3.16E-06	1.83E-06	1.97E-06	1.79E-06	8.16E-07	1.29E-06	3.50E-08	8.44E-07	1.86E-07	2.68E-07	4.25E-07	7.49E-08	8.49E-08	1.92E-06
678	490086.72	3860135.12	2.99E-03	3.23E-03	5.09E-03	1.04E-06	3.13E-06	1.81E-06	1.95E-06	1.77E-06	8.08E-07	1.27E-06	3.46E-08	8.36E-07	1.84E-07	2.65E-07	4.21E-07	7.41E-08	8.40E-08	1.90E-06
679	490136.72	3860135.12	2.98E-03	3.21E-03	5.06E-03	1.03E-06	3.11E-06	1.80E-06	1.94E-06	1.76E-06	8.03E-07	1.27E-06	3.44E-08	8.31E-07	1.83E-07	2.64E-07	4.18E-07	7.37E-08	8.36E-08	1.89E-06
680	490186.72	3860135.12	2.96E-03	3.19E-03	5.03E-03	1.02E-06	3.09E-06	1.79E-06	1.93E-06	1.75E-06	7.99E-07	1.26E-06	3.42E-08	8.26E-07	1.82E-07	2.62E-07	4.16E-07	7.33E-08	8.31E-08	1.88E-06
681	490236.72	3860135.12	2.94E-03	3.17E-03	5.00E-03	1.02E-06	3.07E-06	1.78E-06	1.92E-06	1.74E-06	7.94E-07	1.25E-06	3.40E-08	8.21E-07	1.81E-07	2.61E-07	4.13E-07	7.28E-08	8.26E-08	1.87E-06
682	490286.72	3860135.12	2.93E-03	3.15E-03	4.98E-03	1.01E-06	3.06E-06	1.77E-06	1.91E-06	1.73E-06	7.90E-07	1.25E-06	3.38E-08	8.17E-07	1.80E-07	2.59E-07	4.11E-07	7.25E-08	8.22E-08	1.86E-06
683	490336.72	3860135.12	2.91E-03	3.14E-03	4.95E-03	1.01E-06	3.04E-06	1.76E-06	1.90E-06	1.72E-06	7.86E-07	1.24E-06	3.37E-08	8.13E-07	1.79E-07	2.58E-07	4.09E-07	7.21E-08	8.18E-08	1.85E-06
684	490386.72	3860135.12	2.90E-03	3.13E-03	4.93E-03	1.00E-06	3.03E-06	1.75E-06	1.89E-06	1.71E-06	7.82E-07	1.23E-06	3.35E-08	8.09E-07	1.79E-07	2.57E-07	4.07E-07	7.18E-08	8.14E-08	1.84E-06
685	490436.72	3860135.12	2.89E-03	3.11E-03	4.91E-03	9.99E-07	3.02E-06	1.75E-06	1.88E-06	1.71E-06	7.79E-07	1.23E-06	3.34E-08	8.06E-07	1.78E-07	2.56E-07	4.06E-07	7.15E-08	8.11E-08	1.83E-06
686	490486.72	3860135.12	2.88E-03	3.11E-03	4.90E-03	9.97E-07	3.01E-06	1.74E-06	1.88E-06	1.70E-06	7.77E-07	1.23E-06	3.33E-08	8.04E-07	1.77E-07	2.55E-07	4.05E-07	7.13E-08	8.09E-08	1.83E-06
687	490536.72	3860135.12	2.88E-03	3.10E-03	4.89E-03	9.96E-07	3.01E-06	1.74E-06	1.88E-06	1.70E-06	7.76E-07	1.22E-06	3.33E-08	8.03E-07	1.77E-07	2.55E-07	4.04E-07	7.13E-08	8.08E-08	1.83E-06
688	490586.72	3860135.12	2.88E-03	3.10E-03	4.89E-03	9.95E-07	3.01E-06	1.74E-06	1.88E-06	1.70E-06	7.76E-07	1.22E-06	3.32E-08	8.03E-07	1.77E-07	2.55E-07	4.04E-07	7.12E-08	8.08E-08	1.82E-06
689	490636.72	3860135.12	2.88E-03	3.10E-03	4.89E-03	9.96E-07	3.01E-06	1.74E-06	1.88E-06	1.70E-06	7.76E-07	1.22E-06	3.32E-08	8.03E-07	1.77E-07	2.55E-07	4.04E-07	7.12E-08	8.08E-08	1.82E-06
690	490686.72	3860135.12	2.88E-03	3.10E-03	4.90E-03	9.96E-07	3.01E-06	1.74E-06	1.88E-06	1.70E-06	7.77E-07	1.23E-06	3.33E-08	8.04E-07	1.77E-07	2.55E-07	4.05E-07	7.13E-08	8.08E-08	1.83E-06
691	490736.72	3860135.12	2.89E-03	3.11E-03	4.91E-03	9.99E-07	3.02E-06	1.75E-06	1.88E-06	1.71E-06	7.79E-07	1.23E-06	3.34E-08	8.06E-07	1.78E-07	2.56E-07	4.05E-07	7.15E-08	8.10E-08	1.83E-06
692	490786.72	3860135.12	2.90E-03	3.12E-03	4.93E-03	1.00E-06	3.03E-06	1.75E-06	1.89E-06	1.71E-06	7.82E-07	1.23E-06	3.35E-08	8.09E-07	1.79E-07	2.57E-07	4.07E-07	7.18E-08	8.14E-08	1.84E-06
693	490836.72	3860135.12	2.90E-03	3.13E-03	4.94E-03	1.01E-06	3.04E-06	1.76E-06	1.90E-06	1.72E-06	7.84E-07	1.24E-06	3.36E-08	8.11E-07	1.79E-07	2.57E-07	4.08E-07	7.20E-08	8.16E-08	1.84E-06
694	490086.72	3860185.12	2.92E-03	3.15E-03	4.97E-03	1.01E-06	3.06E-06	1.77E-06	1.91E-06	1.73E-06	7.89E-07	1.24E-06	3.38E-08	8.16E-07	1.80E-07	2.59E-07	4.11E-07	7.24E-08	8.21E-08	1.85E-06
695	490136.72	3860185.12	2.91E-03	3.14E-03	4.95E-03	1.01E-06	3.04E-06	1.76E-06	1.90E-06	1.72E-06	7.85E-07	1.24E-06	3.36E-08	8.12E-07	1.79E-07	2.58E-07	4.09E-07	7.20E-08	8.17E-08	1.85E-06
696	490186.72	3860185.12	2.89E-03	3.12E-03	4.92E-03	1.00E-06	3.02E-06	1.75E-06	1.89E-06	1.71E-06	7.81E-07	1.23E-06	3.34E-08	8.07E-07	1.78E-07	2.56E-07	4.06E-07	7.16E-08	8.12E-08	1.83E-06
697	490236.72	3860185.12	2.87E-03	3.10E-03	4.89E-03	9.94E-07	3.00E-06	1.74E-06	1.87E-06	1.70E-06	7.75E-07	1.22E-06	3.32E-08	8.02E-07	1.77E-07	2.55E-07	4.04E-07	7.12E-08	8.07E-08	1.82E-06
698	490286.72	3860185.12	2.86E-03	3.08E-03	4.86E-03	9.88E-07	2.98E-06	1.73E-06	1.86E-06	1.69E-06	7.71E-07	1.22E-06	3.30E-08	7.97E-07	1.76E-07	2.53E-07	4.01E-07	7.07E-08	8.02E-08	1.81E-06
699	490336.72	3860185.12	2.84E-03	3.06E-03	4.83E-03	9.83E-07	2.97E-06	1.72E-06	1.85E-06	1.68E-06	7.66E-07	1.21E-06	3.28E-08	7.93E-07	1.75E-07	2.51E-07	3.99E-07	7.03E-08	7.97E-08	1.80E-06
700	490386.72	3860185.12	2.82E-03	3.05E-03	4.81E-03	9.78E-07	2.95E-06	1.71E-06	1.84E-06	1.67E-06	7.62E-07	1.20E-06	3.26E-08	7.88E-07	1.74E-07	2.50E-07	3.97E-07	7.00E-08	7.93E-08	1.79E-06
701	490436.72	3860185.12	2.81E-03	3.03E-03	4.78E-03	9.73E-07	2.94E-06	1.70E-06	1.83E-06	1.66E-06	7.59E-07	1.20E-06	3.25E-08	7.85E-07	1.73E-07	2.49E-07	3.95E-07	6.96E-08	7.90E-08	1.78E-06

702	490486.72	3860185.12	2.80E-03	3.02E-03	4.77E-03	9.69E-07	2.93E-06	1.69E-06	1.83E-06	1.66E-06	7.56E-07	1.19E-06	3.24E-08	7.82E-07	1.73E-07	2.48E-07	3.94E-07	6.94E-08	7.87E-08	1.78E-06
703	490536.72	3860185.12	2.79E-03	3.01E-03	4.75E-03	9.67E-07	2.92E-06	1.69E-06	1.82E-06	1.65E-06	7.54E-07	1.19E-06	3.23E-08	7.80E-07	1.72E-07	2.47E-07	3.93E-07	6.92E-08	7.85E-08	1.77E-06
704	490586.72	3860185.12	2.79E-03	3.01E-03	4.75E-03	9.66E-07	2.92E-06	1.69E-06	1.82E-06	1.65E-06	7.53E-07	1.19E-06	3.23E-08	7.79E-07	1.72E-07	2.47E-07	3.92E-07	6.91E-08	7.84E-08	1.77E-06
705	490636.72	3860185.12	2.79E-03	3.00E-03	4.74E-03	9.64E-07	2.91E-06	1.69E-06	1.82E-06	1.65E-06	7.52E-07	1.19E-06	3.22E-08	7.78E-07	1.72E-07	2.47E-07	3.92E-07	6.90E-08	7.83E-08	1.77E-06
706	490686.72	3860185.12	2.79E-03	3.01E-03	4.74E-03	9.65E-07	2.91E-06	1.69E-06	1.82E-06	1.65E-06	7.52E-07	1.19E-06	3.22E-08	7.78E-07	1.72E-07	2.47E-07	3.92E-07	6.90E-08	7.83E-08	1.77E-06
707	490736.72	3860185.12	2.79E-03	3.01E-03	4.74E-03	9.65E-07	2.91E-06	1.69E-06	1.82E-06	1.65E-06	7.52E-07	1.19E-06	3.22E-08	7.78E-07	1.72E-07	2.47E-07	3.92E-07	6.90E-08	7.83E-08	1.77E-06
708	490786.72	3860185.12	2.79E-03	3.01E-03	4.75E-03	9.66E-07	2.92E-06	1.69E-06	1.82E-06	1.65E-06	7.54E-07	1.19E-06	3.23E-08	7.80E-07	1.72E-07	2.47E-07	3.92E-07	6.92E-08	7.84E-08	1.77E-06
709	490836.72	3860185.12	2.80E-03	3.02E-03	4.76E-03	9.69E-07	2.93E-06	1.69E-06	1.83E-06	1.66E-06	7.55E-07	1.19E-06	3.23E-08	7.81E-07	1.72E-07	2.48E-07	3.93E-07	6.93E-08	7.86E-08	1.78E-06
710	490086.72	3860235.12	2.86E-03	3.08E-03	4.87E-03	9.90E-07	2.99E-06	1.73E-06	1.87E-06	1.69E-06	7.72E-07	1.22E-06	3.31E-08	7.99E-07	1.76E-07	2.53E-07	4.02E-07	7.09E-08	8.03E-08	1.81E-06
711	490136.72	3860235.12	2.84E-03	3.07E-03	4.84E-03	9.85E-07	2.97E-06	1.72E-06	1.86E-06	1.68E-06	7.68E-07	1.21E-06	3.29E-08	7.94E-07	1.75E-07	2.52E-07	4.00E-07	7.05E-08	7.99E-08	1.80E-06
712	490186.72	3860235.12	2.83E-03	3.05E-03	4.81E-03	9.79E-07	2.96E-06	1.71E-06	1.85E-06	1.67E-06	7.63E-07	1.20E-06	3.27E-08	7.90E-07	1.74E-07	2.51E-07	3.97E-07	7.00E-08	7.94E-08	1.79E-06
713	490236.72	3860235.12	2.81E-03	3.03E-03	4.78E-03	9.73E-07	2.94E-06	1.70E-06	1.83E-06	1.66E-06	7.58E-07	1.20E-06	3.25E-08	7.84E-07	1.73E-07	2.49E-07	3.95E-07	6.96E-08	7.89E-08	1.78E-06
714	490286.72	3860235.12	2.79E-03	3.01E-03	4.75E-03	9.66E-07	2.92E-06	1.69E-06	1.82E-06	1.65E-06	7.53E-07	1.19E-06	3.23E-08	7.79E-07	1.72E-07	2.47E-07	3.92E-07	6.91E-08	7.84E-08	1.77E-06
715	490336.72	3860235.12	2.77E-03	2.99E-03	4.72E-03	9.60E-07	2.90E-06	1.68E-06	1.81E-06	1.64E-06	7.49E-07	1.18E-06	3.21E-08	7.75E-07	1.71E-07	2.46E-07	3.90E-07	6.87E-08	7.79E-08	1.76E-06
716	490386.72	3860235.12	2.76E-03	2.97E-03	4.69E-03	9.55E-07	2.88E-06	1.67E-06	1.80E-06	1.63E-06	7.44E-07	1.17E-06	3.19E-08	7.70E-07	1.70E-07	2.44E-07	3.88E-07	6.83E-08	7.75E-08	1.75E-06
717	490436.72	3860235.12	2.74E-03	2.96E-03	4.67E-03	9.50E-07	2.87E-06	1.66E-06	1.79E-06	1.62E-06	7.41E-07	1.17E-06	3.17E-08	7.66E-07	1.69E-07	2.43E-07	3.86E-07	6.80E-08	7.71E-08	1.74E-06
718	490486.72	3860235.12	2.73E-03	2.94E-03	4.65E-03	9.45E-07	2.85E-06	1.65E-06	1.78E-06	1.62E-06	7.37E-07	1.16E-06	3.16E-08	7.62E-07	1.68E-07	2.42E-07	3.84E-07	6.76E-08	7.67E-08	1.73E-06
719	490536.72	3860235.12	2.72E-03	2.93E-03	4.63E-03	9.42E-07	2.84E-06	1.65E-06	1.78E-06	1.61E-06	7.34E-07	1.16E-06	3.14E-08	7.60E-07	1.68E-07	2.41E-07	3.82E-07	6.74E-08	7.64E-08	1.73E-06
720	490586.72	3860235.12	2.71E-03	2.93E-03	4.62E-03	9.39E-07	2.84E-06	1.64E-06	1.77E-06	1.60E-06	7.32E-07	1.16E-06	3.14E-08	7.58E-07	1.67E-07	2.40E-07	3.81E-07	6.72E-08	7.62E-08	1.72E-06
721	490636.72	3860235.12	2.71E-03	2.92E-03	4.61E-03	9.37E-07	2.83E-06	1.64E-06	1.77E-06	1.60E-06	7.31E-07	1.15E-06	3.13E-08	7.56E-07	1.67E-07	2.40E-07	3.81E-07	6.71E-08	7.61E-08	1.72E-06
722	490686.72	3860235.12	2.70E-03	2.92E-03	4.60E-03	9.36E-07	2.83E-06	1.64E-06	1.76E-06	1.60E-06	7.30E-07	1.15E-06	3.13E-08	7.55E-07	1.67E-07	2.40E-07	3.80E-07	6.70E-08	7.60E-08	1.72E-06
723	490736.72	3860235.12	2.70E-03	2.91E-03	4.60E-03	9.35E-07	2.82E-06	1.63E-06	1.76E-06	1.60E-06	7.29E-07	1.15E-06	3.12E-08	7.54E-07	1.66E-07	2.39E-07	3.80E-07	6.69E-08	7.59E-08	1.71E-06
724	490786.72	3860235.12	2.70E-03	2.91E-03	4.60E-03	9.35E-07	2.82E-06	1.63E-06	1.76E-06	1.60E-06	7.29E-07	1.15E-06	3.12E-08	7.54E-07	1.66E-07	2.39E-07	3.80E-07	6.69E-08	7.59E-08	1.71E-06
725	490086.72	3860285.12	2.80E-03	3.02E-03	4.76E-03	9.69E-07	2.92E-06	1.69E-06	1.83E-06	1.66E-06	7.55E-07	1.19E-06	3.23E-08	7.81E-07	1.72E-07	2.48E-07	3.93E-07	6.93E-08	7.86E-08	1.78E-06
726	490136.72	3860285.12	2.78E-03	3.00E-03	4.74E-03	9.64E-07	2.91E-06	1.68E-06	1.82E-06	1.65E-06	7.51E-07	1.19E-06	3.22E-08	7.77E-07	1.72E-07	2.47E-07	3.91E-07	6.90E-08	7.82E-08	1.77E-06
727	490186.72	3860285.12	2.77E-03	2.98E-03	4.71E-03	9.58E-07	2.89E-06	1.67E-06	1.81E-06	1.64E-06	7.47E-07	1.18E-06	3.20E-08	7.72E-07	1.70E-07	2.45E-07	3.89E-07	6.85E-08	7.77E-08	1.76E-06
728	490236.72	3860285.12	2.75E-03	2.97E-03	4.68E-03	9.52E-07	2.87E-06	1.66E-06	1.79E-06	1.63E-06	7.42E-07	1.17E-06	3.18E-08	7.68E-07	1.69E-07	2.44E-07	3.87E-07	6.81E-08	7.73E-08	1.74E-06
729	490286.72	3860285.12	2.73E-03	2.95E-03	4.65E-03	9.45E-07	2.85E-06	1.65E-06	1.78E-06	1.62E-06	7.37E-07	1.16E-06	3.16E-08	7.63E-07	1.68E-07	2.42E-07	3.84E-07	6.77E-08	7.68E-08	1.73E-06
730	490336.72	3860285.12	2.71E-03	2.93E-03	4.62E-03	9.39E-07	2.84E-06	1.64E-06	1.77E-06	1.61E-06	7.32E-07	1.16E-06	3.14E-08	7.58E-07	1.67E-07	2.40E-07	3.81E-07	6.72E-08	7.62E-08	1.72E-06
731	490386.72	3860285.12	2.70E-03	2.91E-03	4.59E-03	9.34E-07	2.82E-06	1.63E-06	1.76E-06	1.60E-06	7.28E-07	1.15E-06	3.12E-08	7.53E-07	1.66E-07	2.39E-07	3.79E-07	6.68E-08	7.58E-08	1.71E-06
732	490436.72	3860285.12	2.68E-03	2.89E-03	4.57E-03	9.28E-07	2.80E-06	1.62E-06	1.75E-06	1.59E-06	7.24E-07	1.14E-06	3.10E-08	7.49E-07	1.65E-07	2.38E-07	3.77E-07	6.64E-08	7.54E-08	1.70E-06
733	490486.72	3860285.12	2.67E-03	2.88E-03	4.54E-03	9.23E-07	2.79E-06	1.61E-06	1.74E-06	1.58E-06	7.20E-07	1.14E-06	3.08E-08	7.45E-07	1.64E-07	2.36E-07	3.75E-07	6.61E-08	7.50E-08	1.69E-06
734	490536.72	3860285.12	2.65E-03	2.86E-03	4.52E-03	9.19E-07	2.77E-06	1.61E-06	1.73E-06	1.57E-06	7.16E-07	1.13E-06	3.07E-08	7.41E-07	1.63E-07	2.35E-07	3.73E-07	6.57E-08	7.46E-08	1.68E-06
735	490586.72	3860285.12	2.64E-03	2.85E-03	4.50E-03	9.15E-07	2.76E-06	1.60E-06	1.72E-06	1.56E-06	7.13E-07	1.13E-06	3.05E-08	7.38E-07	1.63E-07	2.34E-07	3.71E-07	6.55E-08	7.43E-08	1.68E-06
736	490636.72	3860285.12	2.63E-03	2.84E-03	4.49E-03	9.12E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.11E-07	1.12E-06	3.05E-08	7.36E-07	1.62E-07	2.33E-07	3.70E-07	6.53E-08	7.41E-08	1.67E-06
737	490686.72	3860285.12	2.63E-03	2.84E-03	4.48E-03	9.10E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.10E-07	1.12E-06	3.04E-08	7.34E-07	1.62E-07	2.33E-07	3.70E-07	6.51E-08	7.39E-08	1.67E-06
738	490736.72	3860285.12	2.62E-03	2.83E-03	4.47E-03	9.09E-07	2.74E-06	1.59E-06	1.71E-06	1.55E-06	7.09E-07	1.12E-06	3.03E-08	7.33E-07	1.62E-07	2.33E-07	3.69E-07	6.50E-08	7.38E-08	1.67E-06
739	490786.72	3860285.12	2.62E-03	2.83E-03	4.47E-03	9.08E-07	2.74E-06	1.59E-06	1.71E-06	1.55E-06	7.08E-07	1.12E-06	3.03E-08	7.32E-07	1.62E-07	2.32E-07	3.69E-07	6.50E-08	7.37E-08	1.66E-06
740	490086.72	3860335.12	2.74E-03	2.95E-03	4.66E-03	9.47E-07	2.86E-06	1.66E-06	1.79E-06	1.62E-06	7.39E-07	1.17E-06	3.16E-08	7.64E-07	1.69E-07	2.42E-07	3.85E-07	6.78E-08	7.69E-08	1.74E-06
741	490136.72	3860335.12	2.72E-03	2.94E-03	4.64E-03	9.43E-07	2.85E-06	1.65E-06	1.78E-06	1.61E-06	7.35E-07	1.16E-06	3.15E-08	7.61E-07	1.68E-07	2.41E-07	3.83E-07	6.75E-08	7.66E-08	1.73E-06
742	490186.72	3860335.12	2.71E-03	2.92E-03	4.61E-03	9.38E-07	2.83E-06	1.64E-06	1.77E-06	1.60E-06	7.31E-07	1.15E-06	3.13E-08	7.56E-07	1.67E-07	2.40E-07	3.81E-07	6.71E-08	7.61E-08	1.72E-06
743	490236.72	3860335.12	2.69E-03	2.91E-03	4.59E-03	9.33E-07	2.82E-06	1.63E-06	1.76E-06	1.59E-06	7.27E-07	1.15E-06	3.11E-08	7.52E-07	1.66E-07	2.39E-07	3.79E-07	6.67E-08	7.57E-08	1.71E-06
744	490286.72	3860335.12	2.68E-03	2.89E-03	4.56E-03	9.26E-07	2.80E-06	1.62E-06	1.75E-06	1.58E-06	7.22E-07	1.14E-06	3.09E-08	7.47E-07	1.65E-07	2.37E-07	3.76E-07	6.63E-08	7.52E-08	1.70E-06
745	490336.72	3860335.12	2.66E-03	2.87E-03	4.52E-03	9.20E-07	2.78E-06	1.61E-06	1.73E-06	1.57E-06	7.17E-07	1.13E-06	3.07E-08	7.42E-07	1.64E-07	2.35E-07	3.74E-07	6.58E-08	7.47E-08	1.69E-06
746	490386.72	3860335.12	2.64E-03	2.85E-03	4.50E-03	9.14E-07	2.76E-06	1.60E-06	1.72E-06	1.56E-06	7.13E-07	1.13E-06	3.05E-08	7.37E-07	1.63E-07	2.34E-07	3.71E-07	6.54E-08	7.42E-08	1.68E-06
747	490436.72	3860335.12	2.62E-03	2.83E-03	4.47E-03	9.08E-07	2.74E-06	1.59E-06	1.71E-06	1.55E-06	7.08E-07	1.12E-06	3.03E-08	7.33E-07	1.62E-07	2.32E-07	3.69E-07	6.50E-08	7.38E-08	1.66E-06
748	490486.72	3860335.12	2.61E-03	2.81E-03	4.44E-03	9.03E-07	2.73E-06	1.58E-06	1.70E-06	1.54E-06	7.04E-07	1.11E-06	3.01E-08	7.28E-07	1.61E-07	2.31E-07	3.67E-07	6.46E-08	7.33E-08	1.65E-06
749	490536.72	3860335.12	2.59E-03	2.80E-03	4.42E-03	8.98E-07	2.71E-06	1.57E-06	1.69E-06	1.53E-06	7.00E-07	1.11E-06	3.00E-08	7.24E-07	1.60E-07	2.30E-07	3.65E-07	6.43E-08	7.29E-08	1.65E-06
750	490586.72	3860335.12	2.58E-03	2.78E-03	4.40E-03	8.93E-07	2.70E-06	1.56E-06	1.68E-06	1.53E-06	6.97E-07	1.10E-06	2.98E-08	7.21E-07	1.59E-07	2.29E-07	3.63E-07	6.39E-08	7.26E-08	1.64E-06
751	490636.72	3860335.12	2.57E-03	2.77E-03	4.38E-03	8.90E-07	2.69E-06	1.56E-06	1.68E-06	1.52E-06	6.94E-07	1.10E-06	2.97E-08	7.18E-07	1.58E-07	2.28E-07	3.61E-07	6.37E-08	7.23E-08	1.63E-06
752	490686.72	3860335.12	2.56E-03	2.76E-03	4.36E-03	8.87E-07	2.68E-06	1.55E-06	1.67E-06	1.52E-06	6.92E-07	1.09E-06	2.96E-08	7.15E-07	1.58E-07	2.27E-07	3.60E-07	6.35E-08	7.20E-08	1.63E-06
753	490736.72	3860335.12	2.56E-03	2.76E-03	4.35E-03	8.85E-07	2.67E-06	1.55E-06	1.67E-06	1.51E-06	6.90E-07	1.09E-06	2.95E-08	7.13E-07	1.57E-07	2.26E-07	3.59E-07	6.33E-08	7.18E-08	1.62E-06
754	490786.72	3860335.12	2.55E-03	2.75E-03	4.35E-03	8.84E-07	2.67E-06	1.54E-06	1.67E-06	1.51E-06	6.89E-07	1.09E-06	2.95E-08	7.13E-07	1.57E-07	2.26E-07	3.59E-07	6.32E-08	7.18E-08	1.62E-06
755	490086.72	3860385.12	2.68E-03	2.89E-03	4.56E-03	9.27E-07	2.80E-06	1.62E-06	1.75E-06	1.58E-06	7.23E-07	1.14E-06	3.10E-08	7.48E-07	1.65E-07	2.37E-07	3.76E-07	6.63E-08	7.53E-08	1.70E-06
756	490136.72	3860385.12	2.67E-03	2.88E-03	4.54E-03	9.23E-07	2.79E-06	1.61E-06	1.74E-06	1.58E-06	7.20E-07	1.14E-06	3.08E-08	7.45E-07	1.64E-07	2.36E-07	3.75E-07	6.61E-08	7.50E-08	1.69E-06
757	490186.72	3860385.12	2.65E-03	2.86E-03	4.52E-03	9.18E-07	2.77E-06	1.60E-06	1.73E-06	1.57E-06	7.16E-07	1.13E-06	3.07E-08	7.41E-07	1.63E-07	2.35E-07	3.73E-07	6.57E-08	7.45E-08	1.68E-06
758	490236.72	3860385.12	2.64E-03	2.85E-03	4.49E-03	9.13E-07	2.76E-06	1.60E-06	1.72E-06	1.56E-06	7.12E-07	1.12E-06	3.05E-08	7.37E-07	1.63E-07	2.34E-07	3.71E-07	6.54E-08	7.42E-08	1.67E-06
759	490286.72	3860385.12	2.62E-03	2.83E-03	4.46E-03	9.07E-07	2.74E-06	1.59E-06	1.71E-06	1.55E-06	7.08E-07	1.12E-06	3.03E-08	7.32E-07	1.62E-07	2.32E-07	3.68E-07	6.49E-08	7.37E-08	1.66E-06
760	490336.72	3860385.12	2.60E-03	2.81E-03	4.44E-03	9.02E-07	2.72E-06	1.58E-06	1.70E-06	1.54E-06	7.03E-07	1.11E-06	3.01E-08	7.27E-07	1.60E-07	2.31E-07	3.66E-07	6.45E-08	7.32E-08	1.65E-06

761	490386.72	3860385.12	2.59E-03	2.79E-03	4.41E-03	8.95E-07	2.70E-06	1.57E-06	1.69E-06	1.53E-06	6.98E-07	1.10E-06	2.99E-08	7.22E-07	1.59E-07	2.29E-07	3.64E-07	6.41E-08	7.27E-08	1.64E-06
762	490436.72	3860385.12	2.57E-03	2.77E-03	4.38E-03	8.90E-07	2.69E-06	1.55E-06	1.68E-06	1.52E-06	6.94E-07	1.10E-06	2.97E-08	7.18E-07	1.58E-07	2.28E-07	3.61E-07	6.37E-08	7.23E-08	1.63E-06
763	490486.72	3860385.12	2.55E-03	2.76E-03	4.35E-03	8.84E-07	2.67E-06	1.55E-06	1.67E-06	1.51E-06	6.90E-07	1.09E-06	2.95E-08	7.13E-07	1.57E-07	2.26E-07	3.59E-07	6.33E-08	7.18E-08	1.62E-06
764	490536.72	3860385.12	2.54E-03	2.74E-03	4.33E-03	8.79E-07	2.65E-06	1.54E-06	1.66E-06	1.50E-06	6.86E-07	1.08E-06	2.94E-08	7.09E-07	1.56E-07	2.25E-07	3.57E-07	6.29E-08	7.14E-08	1.61E-06
765	490586.72	3860385.12	2.53E-03	2.72E-03	4.30E-03	8.74E-07	2.64E-06	1.53E-06	1.65E-06	1.49E-06	6.82E-07	1.08E-06	2.92E-08	7.05E-07	1.56E-07	2.24E-07	3.55E-07	6.26E-08	7.10E-08	1.60E-06
766	490636.72	3860385.12	2.51E-03	2.71E-03	4.28E-03	8.70E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.78E-07	1.07E-06	2.90E-08	7.02E-07	1.55E-07	2.23E-07	3.53E-07	6.22E-08	7.07E-08	1.59E-06
767	490686.72	3860385.12	2.50E-03	2.70E-03	4.26E-03	8.66E-07	2.62E-06	1.51E-06	1.63E-06	1.48E-06	6.76E-07	1.07E-06	2.89E-08	6.99E-07	1.54E-07	2.22E-07	3.52E-07	6.20E-08	7.04E-08	1.59E-06
768	490736.72	3860385.12	2.49E-03	2.69E-03	4.25E-03	8.63E-07	2.61E-06	1.51E-06	1.63E-06	1.47E-06	6.73E-07	1.06E-06	2.88E-08	6.96E-07	1.54E-07	2.21E-07	3.50E-07	6.18E-08	7.01E-08	1.58E-06
769	490786.72	3860385.12	2.49E-03	2.68E-03	4.23E-03	8.60E-07	2.60E-06	1.50E-06	1.62E-06	1.47E-06	6.71E-07	1.06E-06	2.87E-08	6.94E-07	1.53E-07	2.20E-07	3.49E-07	6.16E-08	6.99E-08	1.58E-06
770	490136.72	3860435.12	2.61E-03	2.81E-03	4.44E-03	9.03E-07	2.73E-06	1.58E-06	1.70E-06	1.54E-06	7.04E-07	1.11E-06	3.02E-08	7.29E-07	1.61E-07	2.31E-07	3.67E-07	6.46E-08	7.33E-08	1.66E-06
771	490186.72	3860435.12	2.60E-03	2.80E-03	4.42E-03	8.99E-07	2.72E-06	1.57E-06	1.70E-06	1.54E-06	7.01E-07	1.11E-06	3.00E-08	7.25E-07	1.60E-07	2.30E-07	3.65E-07	6.44E-08	7.30E-08	1.65E-06
772	490236.72	3860435.12	2.58E-03	2.79E-03	4.40E-03	8.95E-07	2.70E-06	1.56E-06	1.69E-06	1.53E-06	6.98E-07	1.10E-06	2.99E-08	7.22E-07	1.59E-07	2.29E-07	3.63E-07	6.40E-08	7.27E-08	1.64E-06
773	490286.72	3860435.12	2.57E-03	2.77E-03	4.38E-03	8.89E-07	2.69E-06	1.55E-06	1.68E-06	1.52E-06	6.94E-07	1.10E-06	2.97E-08	7.17E-07	1.58E-07	2.28E-07	3.61E-07	6.36E-08	7.22E-08	1.63E-06
774	490336.72	3860435.12	2.55E-03	2.75E-03	4.35E-03	8.83E-07	2.67E-06	1.54E-06	1.67E-06	1.51E-06	6.89E-07	1.09E-06	2.95E-08	7.12E-07	1.57E-07	2.26E-07	3.59E-07	6.32E-08	7.18E-08	1.62E-06
775	490386.72	3860435.12	2.54E-03	2.74E-03	4.32E-03	8.78E-07	2.65E-06	1.53E-06	1.65E-06	1.50E-06	6.84E-07	1.08E-06	2.93E-08	7.08E-07	1.56E-07	2.25E-07	3.56E-07	6.28E-08	7.13E-08	1.61E-06
776	490436.72	3860435.12	2.52E-03	2.72E-03	4.29E-03	8.72E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.80E-07	1.07E-06	2.91E-08	7.03E-07	1.55E-07	2.23E-07	3.54E-07	6.24E-08	7.08E-08	1.60E-06
777	490486.72	3860435.12	2.50E-03	2.70E-03	4.26E-03	8.66E-07	2.62E-06	1.51E-06	1.63E-06	1.48E-06	6.76E-07	1.07E-06	2.89E-08	6.99E-07	1.54E-07	2.22E-07	3.52E-07	6.20E-08	7.04E-08	1.59E-06
778	490536.72	3860435.12	2.49E-03	2.68E-03	4.24E-03	8.61E-07	2.60E-06	1.51E-06	1.62E-06	1.47E-06	6.72E-07	1.06E-06	2.88E-08	6.95E-07	1.53E-07	2.20E-07	3.50E-07	6.16E-08	7.00E-08	1.58E-06
779	490586.72	3860435.12	2.47E-03	2.67E-03	4.21E-03	8.56E-07	2.58E-06	1.50E-06	1.61E-06	1.46E-06	6.68E-07	1.05E-06	2.86E-08	6.90E-07	1.52E-07	2.19E-07	3.48E-07	6.13E-08	6.96E-08	1.57E-06
780	490636.72	3860435.12	2.46E-03	2.65E-03	4.19E-03	8.51E-07	2.57E-06	1.49E-06	1.60E-06	1.45E-06	6.64E-07	1.05E-06	2.84E-08	6.87E-07	1.51E-07	2.18E-07	3.46E-07	6.09E-08	6.92E-08	1.56E-06
781	490686.72	3860435.12	2.45E-03	2.64E-03	4.17E-03	8.47E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.61E-07	1.04E-06	2.83E-08	6.83E-07	1.51E-07	2.17E-07	3.44E-07	6.06E-08	6.88E-08	1.55E-06
782	490736.72	3860435.12	2.44E-03	2.63E-03	4.15E-03	8.44E-07	2.55E-06	1.47E-06	1.59E-06	1.44E-06	6.58E-07	1.04E-06	2.82E-08	6.80E-07	1.50E-07	2.16E-07	3.43E-07	6.04E-08	6.86E-08	1.55E-06
783	490786.72	3860435.12	2.43E-03	2.62E-03	4.14E-03	8.40E-07	2.54E-06	1.47E-06	1.58E-06	1.44E-06	6.55E-07	1.04E-06	2.81E-08	6.78E-07	1.50E-07	2.15E-07	3.41E-07	6.01E-08	6.83E-08	1.54E-06
784	490136.72	3860485.12	2.56E-03	2.76E-03	4.35E-03	8.84E-07	2.67E-06	1.55E-06	1.67E-06	1.51E-06	6.90E-07	1.09E-06	2.95E-08	7.13E-07	1.57E-07	2.26E-07	3.59E-07	6.33E-08	7.18E-08	1.62E-06
785	490186.72	3860485.12	2.54E-03	2.74E-03	4.33E-03	8.81E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.87E-07	1.08E-06	2.94E-08	7.10E-07	1.57E-07	2.25E-07	3.58E-07	6.30E-08	7.15E-08	1.61E-06
786	490236.72	3860485.12	2.53E-03	2.73E-03	4.31E-03	8.76E-07	2.65E-06	1.53E-06	1.65E-06	1.50E-06	6.83E-07	1.08E-06	2.93E-08	7.07E-07	1.56E-07	2.24E-07	3.56E-07	6.27E-08	7.12E-08	1.61E-06
787	490286.72	3860485.12	2.52E-03	2.72E-03	4.29E-03	8.72E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.80E-07	1.07E-06	2.91E-08	7.03E-07	1.55E-07	2.23E-07	3.54E-07	6.24E-08	7.08E-08	1.60E-06
788	490336.72	3860485.12	2.50E-03	2.70E-03	4.26E-03	8.66E-07	2.62E-06	1.51E-06	1.63E-06	1.48E-06	6.76E-07	1.07E-06	2.89E-08	6.99E-07	1.54E-07	2.22E-07	3.52E-07	6.20E-08	7.04E-08	1.59E-06
789	490386.72	3860485.12	2.49E-03	2.68E-03	4.24E-03	8.61E-07	2.60E-06	1.51E-06	1.62E-06	1.47E-06	6.72E-07	1.06E-06	2.88E-08	6.95E-07	1.53E-07	2.20E-07	3.50E-07	6.16E-08	7.00E-08	1.58E-06
790	490436.72	3860485.12	2.47E-03	2.67E-03	4.21E-03	8.56E-07	2.59E-06	1.50E-06	1.61E-06	1.46E-06	6.68E-07	1.05E-06	2.86E-08	6.91E-07	1.52E-07	2.19E-07	3.48E-07	6.13E-08	6.96E-08	1.57E-06
791	490486.72	3860485.12	2.46E-03	2.65E-03	4.19E-03	8.50E-07	2.57E-06	1.49E-06	1.60E-06	1.45E-06	6.63E-07	1.05E-06	2.84E-08	6.86E-07	1.51E-07	2.18E-07	3.45E-07	6.09E-08	6.91E-08	1.56E-06
792	490536.72	3860485.12	2.44E-03	2.63E-03	4.16E-03	8.44E-07	2.55E-06	1.48E-06	1.59E-06	1.44E-06	6.59E-07	1.04E-06	2.82E-08	6.81E-07	1.50E-07	2.16E-07	3.43E-07	6.04E-08	6.86E-08	1.55E-06
793	490586.72	3860485.12	2.42E-03	2.61E-03	4.13E-03	8.39E-07	2.53E-06	1.47E-06	1.58E-06	1.43E-06	6.54E-07	1.03E-06	2.80E-08	6.77E-07	1.49E-07	2.15E-07	3.41E-07	6.00E-08	6.82E-08	1.54E-06
794	490636.72	3860485.12	2.41E-03	2.60E-03	4.11E-03	8.34E-07	2.52E-06	1.46E-06	1.57E-06	1.43E-06	6.51E-07	1.03E-06	2.79E-08	6.73E-07	1.48E-07	2.14E-07	3.39E-07	5.97E-08	6.78E-08	1.53E-06
795	490686.72	3860485.12	2.40E-03	2.58E-03	4.08E-03	8.29E-07	2.50E-06	1.45E-06	1.56E-06	1.42E-06	6.47E-07	1.02E-06	2.77E-08	6.69E-07	1.48E-07	2.12E-07	3.37E-07	5.93E-08	6.74E-08	1.52E-06
796	490736.72	3860485.12	2.38E-03	2.57E-03	4.06E-03	8.25E-07	2.49E-06	1.44E-06	1.56E-06	1.41E-06	6.44E-07	1.02E-06	2.76E-08	6.66E-07	1.47E-07	2.11E-07	3.35E-07	5.91E-08	6.71E-08	1.51E-06
797	490786.72	3860485.12	2.37E-03	2.56E-03	4.04E-03	8.22E-07	2.48E-06	1.44E-06	1.55E-06	1.40E-06	6.41E-07	1.01E-06	2.74E-08	6.63E-07	1.46E-07	2.10E-07	3.34E-07	5.88E-08	6.68E-08	1.51E-06
798	490136.72	3860535.12	2.50E-03	2.70E-03	4.26E-03	8.66E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.75E-07	1.07E-06	2.89E-08	6.98E-07	1.54E-07	2.22E-07	3.52E-07	6.19E-08	7.03E-08	1.59E-06
799	490186.72	3860535.12	2.50E-03	2.69E-03	4.25E-03	8.64E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.74E-07	1.06E-06	2.89E-08	6.97E-07	1.54E-07	2.21E-07	3.51E-07	6.18E-08	7.02E-08	1.58E-06
800	490236.72	3860535.12	2.48E-03	2.68E-03	4.23E-03	8.59E-07	2.59E-06	1.50E-06	1.62E-06	1.47E-06	6.70E-07	1.06E-06	2.87E-08	6.93E-07	1.53E-07	2.20E-07	3.49E-07	6.15E-08	6.98E-08	1.57E-06
801	490286.72	3860535.12	2.47E-03	2.66E-03	4.20E-03	8.54E-07	2.58E-06	1.49E-06	1.61E-06	1.46E-06	6.66E-07	1.05E-06	2.85E-08	6.89E-07	1.52E-07	2.19E-07	3.47E-07	6.11E-08	6.94E-08	1.57E-06
802	490336.72	3860535.12	2.45E-03	2.65E-03	4.18E-03	8.50E-07	2.57E-06	1.49E-06	1.60E-06	1.45E-06	6.63E-07	1.05E-06	2.84E-08	6.85E-07	1.51E-07	2.18E-07	3.45E-07	6.08E-08	6.90E-08	1.56E-06
803	490386.72	3860535.12	2.44E-03	2.63E-03	4.16E-03	8.45E-07	2.55E-06	1.48E-06	1.59E-06	1.45E-06	6.59E-07	1.04E-06	2.82E-08	6.82E-07	1.50E-07	2.16E-07	3.43E-07	6.05E-08	6.87E-08	1.55E-06
804	490436.72	3860535.12	2.43E-03	2.62E-03	4.14E-03	8.41E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.56E-07	1.04E-06	2.81E-08	6.78E-07	1.50E-07	2.15E-07	3.41E-07	6.02E-08	6.83E-08	1.54E-06
805	490486.72	3860535.12	2.41E-03	2.60E-03	4.11E-03	8.36E-07	2.52E-06	1.46E-06	1.58E-06	1.43E-06	6.52E-07	1.03E-06	2.79E-08	6.74E-07	1.49E-07	2.14E-07	3.39E-07	5.98E-08	6.79E-08	1.53E-06
806	490536.72	3860535.12	2.40E-03	2.59E-03	4.10E-03	8.32E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.49E-07	1.03E-06	2.78E-08	6.71E-07	1.48E-07	2.13E-07	3.38E-07	5.95E-08	6.76E-08	1.52E-06
807	490586.72	3860535.12	2.38E-03	2.57E-03	4.06E-03	8.24E-07	2.49E-06	1.44E-06	1.55E-06	1.41E-06	6.43E-07	1.02E-06	2.75E-08	6.65E-07	1.47E-07	2.11E-07	3.35E-07	5.90E-08	6.70E-08	1.51E-06
808	490636.72	3860535.12	2.36E-03	2.55E-03	4.03E-03	8.18E-07	2.47E-06	1.43E-06	1.54E-06	1.40E-06	6.38E-07	1.01E-06	2.73E-08	6.60E-07	1.46E-07	2.09E-07	3.32E-07	5.86E-08	6.65E-08	1.50E-06
809	490686.72	3860535.12	2.35E-03	2.53E-03	4.00E-03	8.13E-07	2.46E-06	1.42E-06	1.53E-06	1.39E-06	6.34E-07	1.00E-06	2.72E-08	6.56E-07	1.45E-07	2.08E-07	3.30E-07	5.82E-08	6.61E-08	1.49E-06
810	490736.72	3860535.12	2.34E-03	2.52E-03	3.98E-03	8.09E-07	2.44E-06	1.41E-06	1.52E-06	1.38E-06	6.31E-07	9.96E-07	2.70E-08	6.52E-07	1.44E-07	2.07E-07	3.28E-07	5.79E-08	6.57E-08	1.48E-06
811	490786.72	3860535.12	2.32E-03	2.51E-03	3.96E-03	8.05E-07	2.43E-06	1.41E-06	1.52E-06	1.38E-06	6.28E-07	9.92E-07	2.69E-08	6.49E-07	1.43E-07	2.06E-07	3.27E-07	5.76E-08	6.54E-08	1.47E-06
812	490136.72	3860585.12	2.45E-03	2.64E-03	4.17E-03	8.48E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.62E-07	1.04E-06	2.83E-08	6.84E-07	1.51E-07	2.17E-07	3.44E-07	6.07E-08	6.89E-08	1.55E-06
813	490186.72	3860585.12	2.43E-03	2.62E-03	4.14E-03	8.42E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.57E-07	1.04E-06	2.81E-08	6.79E-07	1.50E-07	2.16E-07	3.42E-07	6.03E-08	6.84E-08	1.54E-06
814	490236.72	3860585.12	2.43E-03	2.62E-03	4.13E-03	8.40E-07	2.54E-06	1.47E-06	1.58E-06	1.44E-06	6.55E-07	1.03E-06	2.81E-08	6.78E-07	1.50E-07	2.15E-07	3.41E-07	6.01E-08	6.83E-08	1.54E-06
815	490286.72	3860585.12	2.42E-03	2.61E-03	4.12E-03	8.37E-07	2.53E-06	1.46E-06	1.58E-06	1.43E-06	6.53E-07	1.03E-06	2.80E-08	6.75E-07	1.49E-07	2.14E-07	3.40E-07	5.99E-08	6.80E-08	1.53E-06
816	490336.72	3860585.12	2.41E-03	2.60E-03	4.10E-03	8.33E-07	2.52E-06	1.46E-06	1.57E-06	1.42E-06	6.50E-07	1.03E-06	2.78E-08	6.72E-07	1.48E-07	2.13E-07	3.38E-07	5.96E-08	6.77E-08	1.53E-06
817	490386.72	3860585.12	2.39E-03	2.58E-03	4.08E-03	8.29E-07	2.50E-06	1.45E-06	1.56E-06	1.42E-06	6.46E-07	1.02E-06	2.77E-08	6.69E-07	1.48E-07	2.12E-07	3.37E-07	5.93E-08	6.74E-08	1.52E-06
818	490436.72	3860585.12	2.39E-03	2.58E-03	4.07E-03	8.26E-07	2.50E-06	1.44E-06	1.56E-06	1.41E-06	6.44E-07	1.02E-06	2.76E-08	6.67E-07	1.47E-07	2.12E-07	3.36E-07	5.91E-08	6.72E-08	1.51E-06
819	490486.72	3860585.12	2.38E-03	2.56E-03	4.05E-03	8.23E-07	2.49E-06	1.44E-06	1.55E-06	1.41E-06	6.42E-07	1.01E-06	2.75E-08	6.64E-07	1.47E-07	2.11E-07	3.34E-07	5.89E-08	6.69E-08	1.51E-06

820	490536.72	3860585.12	2.36E-03	2.55E-03	4.02E-03	8.17E-07	2.47E-06	1.43E-06	1.54E-06	1.40E-06	6.37E-07	1.01E-06	2.73E-08	6.59E-07	1.45E-07	2.09E-07	3.32E-07	5.85E-08	6.64E-08	1.50E-06
821	490586.72	3860585.12	2.34E-03	2.52E-03	3.98E-03	8.08E-07	2.44E-06	1.41E-06	1.52E-06	1.38E-06	6.30E-07	9.96E-07	2.70E-08	6.52E-07	1.44E-07	2.07E-07	3.28E-07	5.79E-08	6.57E-08	1.48E-06
822	490636.72	3860585.12	2.32E-03	2.50E-03	3.96E-03	8.03E-07	2.43E-06	1.40E-06	1.51E-06	1.37E-06	6.26E-07	9.90E-07	2.68E-08	6.48E-07	1.43E-07	2.06E-07	3.26E-07	5.75E-08	6.53E-08	1.47E-06
823	490686.72	3860585.12	2.31E-03	2.49E-03	3.93E-03	7.98E-07	2.41E-06	1.40E-06	1.51E-06	1.36E-06	6.23E-07	9.84E-07	2.67E-08	6.44E-07	1.42E-07	2.04E-07	3.24E-07	5.71E-08	6.49E-08	1.46E-06
824	490736.72	3860585.12	2.29E-03	2.47E-03	3.91E-03	7.93E-07	2.40E-06	1.39E-06	1.50E-06	1.36E-06	6.19E-07	9.78E-07	2.65E-08	6.40E-07	1.41E-07	2.03E-07	3.22E-07	5.68E-08	6.45E-08	1.45E-06
825	490786.72	3860585.12	2.28E-03	2.46E-03	3.88E-03	7.89E-07	2.38E-06	1.38E-06	1.49E-06	1.35E-06	6.15E-07	9.72E-07	2.63E-08	6.36E-07	1.40E-07	2.02E-07	3.20E-07	5.64E-08	6.41E-08	1.45E-06
826	490136.72	3860635.12	2.40E-03	2.59E-03	4.10E-03	8.32E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.49E-07	1.03E-06	2.78E-08	6.71E-07	1.48E-07	2.13E-07	3.38E-07	5.96E-08	6.76E-08	1.53E-06
827	490186.72	3860635.12	2.39E-03	2.58E-03	4.07E-03	8.28E-07	2.50E-06	1.45E-06	1.56E-06	1.42E-06	6.46E-07	1.02E-06	2.76E-08	6.68E-07	1.47E-07	2.12E-07	3.36E-07	5.93E-08	6.73E-08	1.52E-06
828	490236.72	3860635.12	2.38E-03	2.56E-03	4.05E-03	8.23E-07	2.49E-06	1.44E-06	1.55E-06	1.41E-06	6.42E-07	1.01E-06	2.75E-08	6.64E-07	1.46E-07	2.11E-07	3.34E-07	5.89E-08	6.69E-08	1.51E-06
829	490286.72	3860635.12	2.37E-03	2.55E-03	4.04E-03	8.20E-07	2.48E-06	1.43E-06	1.55E-06	1.40E-06	6.39E-07	1.01E-06	2.74E-08	6.61E-07	1.46E-07	2.10E-07	3.33E-07	5.87E-08	6.66E-08	1.50E-06
830	490336.72	3860635.12	2.36E-03	2.55E-03	4.02E-03	8.17E-07	2.47E-06	1.43E-06	1.54E-06	1.40E-06	6.37E-07	1.01E-06	2.73E-08	6.59E-07	1.45E-07	2.09E-07	3.32E-07	5.85E-08	6.64E-08	1.50E-06
831	490386.72	3860635.12	2.35E-03	2.53E-03	4.00E-03	8.13E-07	2.46E-06	1.42E-06	1.53E-06	1.39E-06	6.34E-07	1.00E-06	2.72E-08	6.56E-07	1.45E-07	2.08E-07	3.30E-07	5.82E-08	6.61E-08	1.49E-06
832	490436.72	3860635.12	2.34E-03	2.52E-03	3.98E-03	8.09E-07	2.44E-06	1.41E-06	1.53E-06	1.38E-06	6.31E-07	9.97E-07	2.70E-08	6.52E-07	1.44E-07	2.07E-07	3.29E-07	5.79E-08	6.58E-08	1.48E-06
833	490486.72	3860635.12	2.32E-03	2.51E-03	3.96E-03	8.05E-07	2.43E-06	1.41E-06	1.52E-06	1.38E-06	6.28E-07	9.92E-07	2.69E-08	6.49E-07	1.43E-07	2.06E-07	3.27E-07	5.76E-08	6.54E-08	1.47E-06
834	490536.72	3860635.12	2.31E-03	2.50E-03	3.94E-03	8.01E-07	2.42E-06	1.40E-06	1.51E-06	1.37E-06	6.25E-07	9.87E-07	2.67E-08	6.46E-07	1.43E-07	2.05E-07	3.25E-07	5.73E-08	6.51E-08	1.47E-06
835	490586.72	3860635.12	2.30E-03	2.48E-03	3.91E-03	7.95E-07	2.40E-06	1.39E-06	1.50E-06	1.36E-06	6.20E-07	9.79E-07	2.65E-08	6.41E-07	1.41E-07	2.03E-07	3.23E-07	5.69E-08	6.46E-08	1.46E-06
836	490636.72	3860635.12	2.28E-03	2.46E-03	3.89E-03	7.90E-07	2.38E-06	1.38E-06	1.49E-06	1.35E-06	6.16E-07	9.73E-07	2.64E-08	6.37E-07	1.41E-07	2.02E-07	3.21E-07	5.65E-08	6.42E-08	1.45E-06
837	490686.72	3860635.12	2.27E-03	2.44E-03	3.86E-03	7.84E-07	2.37E-06	1.37E-06	1.48E-06	1.34E-06	6.12E-07	9.67E-07	2.62E-08	6.33E-07	1.40E-07	2.01E-07	3.19E-07	5.61E-08	6.38E-08	1.44E-06
838	490736.72	3860635.12	2.25E-03	2.43E-03	3.84E-03	7.79E-07	2.35E-06	1.36E-06	1.47E-06	1.33E-06	6.07E-07	9.60E-07	2.60E-08	6.28E-07	1.39E-07	1.99E-07	3.16E-07	5.57E-08	6.33E-08	1.43E-06
839	490786.72	3860635.12	2.24E-03	2.41E-03	3.81E-03	7.74E-07	2.34E-06	1.35E-06	1.46E-06	1.32E-06	6.04E-07	9.54E-07	2.58E-08	6.24E-07	1.38E-07	1.98E-07	3.14E-07	5.54E-08	6.29E-08	1.42E-06
840	490136.72	3860685.12	2.35E-03	2.53E-03	4.00E-03	8.13E-07	2.45E-06	1.42E-06	1.53E-06	1.39E-06	6.34E-07	1.00E-06	2.71E-08	6.56E-07	1.45E-07	2.08E-07	3.30E-07	5.82E-08	6.60E-08	1.49E-06
841	490186.72	3860685.12	2.35E-03	2.54E-03	4.01E-03	8.14E-07	2.46E-06	1.42E-06	1.54E-06	1.39E-06	6.35E-07	1.00E-06	2.72E-08	6.57E-07	1.45E-07	2.08E-07	3.31E-07	5.83E-08	6.62E-08	1.49E-06
842	490236.72	3860685.12	2.34E-03	2.52E-03	3.98E-03	8.09E-07	2.44E-06	1.41E-06	1.53E-06	1.38E-06	6.31E-07	9.97E-07	2.70E-08	6.52E-07	1.44E-07	2.07E-07	3.28E-07	5.79E-08	6.57E-08	1.48E-06
843	490286.72	3860685.12	2.32E-03	2.50E-03	3.95E-03	8.02E-07	2.42E-06	1.40E-06	1.51E-06	1.37E-06	6.26E-07	9.88E-07	2.68E-08	6.47E-07	1.43E-07	2.05E-07	3.26E-07	5.74E-08	6.52E-08	1.47E-06
844	490336.72	3860685.12	2.31E-03	2.50E-03	3.94E-03	8.01E-07	2.42E-06	1.40E-06	1.51E-06	1.37E-06	6.24E-07	9.87E-07	2.67E-08	6.46E-07	1.43E-07	2.05E-07	3.25E-07	5.73E-08	6.51E-08	1.47E-06
845	490386.72	3860685.12	2.30E-03	2.49E-03	3.93E-03	7.98E-07	2.41E-06	1.39E-06	1.50E-06	1.36E-06	6.22E-07	9.83E-07	2.66E-08	6.43E-07	1.42E-07	2.04E-07	3.24E-07	5.71E-08	6.48E-08	1.46E-06
846	490436.72	3860685.12	2.29E-03	2.47E-03	3.91E-03	7.93E-07	2.40E-06	1.39E-06	1.50E-06	1.36E-06	6.19E-07	9.78E-07	2.65E-08	6.40E-07	1.41E-07	2.03E-07	3.22E-07	5.68E-08	6.45E-08	1.45E-06
847	490486.72	3860685.12	2.28E-03	2.46E-03	3.88E-03	7.89E-07	2.38E-06	1.38E-06	1.49E-06	1.35E-06	6.15E-07	9.72E-07	2.63E-08	6.36E-07	1.40E-07	2.02E-07	3.20E-07	5.64E-08	6.41E-08	1.45E-06
848	490536.72	3860685.12	2.27E-03	2.45E-03	3.86E-03	7.85E-07	2.37E-06	1.37E-06	1.48E-06	1.34E-06	6.12E-07	9.67E-07	2.62E-08	6.33E-07	1.40E-07	2.01E-07	3.19E-07	5.62E-08	6.38E-08	1.44E-06
849	490586.72	3860685.12	2.25E-03	2.43E-03	3.84E-03	7.80E-07	2.36E-06	1.36E-06	1.47E-06	1.33E-06	6.08E-07	9.62E-07	2.61E-08	6.29E-07	1.39E-07	2.00E-07	3.17E-07	5.58E-08	6.34E-08	1.43E-06
850	490636.72	3860685.12	2.24E-03	2.42E-03	3.82E-03	7.76E-07	2.34E-06	1.36E-06	1.46E-06	1.33E-06	6.05E-07	9.56E-07	2.59E-08	6.26E-07	1.38E-07	1.99E-07	3.15E-07	5.55E-08	6.31E-08	1.42E-06
851	490686.72	3860685.12	2.23E-03	2.40E-03	3.80E-03	7.72E-07	2.33E-06	1.35E-06	1.45E-06	1.32E-06	6.02E-07	9.51E-07	2.58E-08	6.22E-07	1.37E-07	1.98E-07	3.13E-07	5.52E-08	6.27E-08	1.41E-06
852	490736.72	3860685.12	2.21E-03	2.39E-03	3.77E-03	7.66E-07	2.31E-06	1.34E-06	1.44E-06	1.31E-06	5.98E-07	9.44E-07	2.56E-08	6.18E-07	1.36E-07	1.96E-07	3.11E-07	5.48E-08	6.23E-08	1.40E-06
853	490786.72	3860685.12	2.20E-03	2.38E-03	3.75E-03	7.62E-07	2.30E-06	1.33E-06	1.44E-06	1.30E-06	5.94E-07	9.40E-07	2.55E-08	6.15E-07	1.36E-07	1.95E-07	3.10E-07	5.46E-08	6.20E-08	1.40E-06
854	490136.72	3860735.12	2.28E-03	2.46E-03	3.89E-03	7.90E-07	2.39E-06	1.38E-06	1.49E-06	1.35E-06	6.16E-07	9.73E-07	2.64E-08	6.37E-07	1.41E-07	2.02E-07	3.21E-07	5.65E-08	6.42E-08	1.45E-06
855	490186.72	3860735.12	2.28E-03	2.46E-03	3.88E-03	7.88E-07	2.38E-06	1.38E-06	1.49E-06	1.35E-06	6.15E-07	9.71E-07	2.63E-08	6.36E-07	1.40E-07	2.02E-07	3.20E-07	5.64E-08	6.40E-08	1.44E-06
856	490236.72	3860735.12	2.27E-03	2.45E-03	3.87E-03	7.87E-07	2.38E-06	1.38E-06	1.48E-06	1.35E-06	6.14E-07	9.69E-07	2.63E-08	6.35E-07	1.40E-07	2.01E-07	3.20E-07	5.63E-08	6.39E-08	1.44E-06
857	490286.72	3860735.12	2.27E-03	2.45E-03	3.87E-03	7.86E-07	2.37E-06	1.37E-06	1.48E-06	1.34E-06	6.13E-07	9.68E-07	2.62E-08	6.34E-07	1.40E-07	2.01E-07	3.19E-07	5.62E-08	6.38E-08	1.44E-06
858	490336.72	3860735.12	2.26E-03	2.44E-03	3.86E-03	7.83E-07	2.37E-06	1.37E-06	1.48E-06	1.34E-06	6.11E-07	9.65E-07	2.62E-08	6.32E-07	1.39E-07	2.01E-07	3.18E-07	5.61E-08	6.37E-08	1.44E-06
859	490386.72	3860735.12	2.26E-03	2.44E-03	3.85E-03	7.82E-07	2.36E-06	1.37E-06	1.47E-06	1.34E-06	6.10E-07	9.63E-07	2.61E-08	6.31E-07	1.39E-07	2.00E-07	3.17E-07	5.59E-08	6.35E-08	1.43E-06
860	490436.72	3860735.12	2.26E-03	2.43E-03	3.84E-03	7.81E-07	2.36E-06	1.36E-06	1.47E-06	1.33E-06	6.09E-07	9.62E-07	2.61E-08	6.30E-07	1.39E-07	2.00E-07	3.17E-07	5.59E-08	6.35E-08	1.43E-06
861	490486.72	3860735.12	2.24E-03	2.42E-03	3.82E-03	7.76E-07	2.34E-06	1.36E-06	1.46E-06	1.33E-06	6.05E-07	9.57E-07	2.59E-08	6.26E-07	1.38E-07	1.99E-07	3.15E-07	5.55E-08	6.31E-08	1.42E-06
862	490536.72	3860735.12	2.22E-03	2.40E-03	3.79E-03	7.70E-07	2.32E-06	1.35E-06	1.45E-06	1.32E-06	6.00E-07	9.49E-07	2.57E-08	6.21E-07	1.37E-07	1.97E-07	3.13E-07	5.51E-08	6.26E-08	1.41E-06
863	490586.72	3860735.12	2.21E-03	2.39E-03	3.77E-03	7.65E-07	2.31E-06	1.34E-06	1.44E-06	1.31E-06	5.97E-07	9.44E-07	2.56E-08	6.17E-07	1.36E-07	1.96E-07	3.11E-07	5.48E-08	6.22E-08	1.40E-06
864	490636.72	3860735.12	2.20E-03	2.37E-03	3.75E-03	7.61E-07	2.30E-06	1.33E-06	1.44E-06	1.30E-06	5.94E-07	9.38E-07	2.54E-08	6.14E-07	1.35E-07	1.95E-07	3.09E-07	5.45E-08	6.19E-08	1.40E-06
865	490686.72	3860735.12	2.19E-03	2.36E-03	3.73E-03	7.58E-07	2.29E-06	1.32E-06	1.43E-06	1.29E-06	5.91E-07	9.34E-07	2.53E-08	6.11E-07	1.35E-07	1.94E-07	3.08E-07	5.42E-08	6.16E-08	1.39E-06
866	490736.72	3860735.12	2.18E-03	2.35E-03	3.71E-03	7.54E-07	2.28E-06	1.32E-06	1.42E-06	1.29E-06	5.88E-07	9.30E-07	2.52E-08	6.08E-07	1.34E-07	1.93E-07	3.06E-07	5.40E-08	6.13E-08	1.38E-06
867	490136.72	3860785.12	2.22E-03	2.40E-03	3.78E-03	7.69E-07	2.32E-06	1.34E-06	1.45E-06	1.31E-06	6.00E-07	9.47E-07	2.57E-08	6.20E-07	1.37E-07	1.97E-07	3.12E-07	5.51E-08	6.25E-08	1.41E-06
868	490186.72	3860785.12	2.22E-03	2.40E-03	3.79E-03	7.69E-07	2.32E-06	1.34E-06	1.45E-06	1.31E-06	6.00E-07	9.47E-07	2.57E-08	6.21E-07	1.37E-07	1.97E-07	3.12E-07	5.51E-08	6.25E-08	1.41E-06
869	490236.72	3860785.12	2.22E-03	2.39E-03	3.78E-03	7.69E-07	2.32E-06	1.34E-06	1.45E-06	1.31E-06	5.99E-07	9.47E-07	2.57E-08	6.20E-07	1.37E-07	1.97E-07	3.12E-07	5.50E-08	6.24E-08	1.41E-06
870	490286.72	3860785.12	2.22E-03	2.39E-03	3.78E-03	7.68E-07	2.32E-06	1.34E-06	1.45E-06	1.31E-06	5.99E-07	9.46E-07	2.56E-08	6.19E-07	1.37E-07	1.96E-07	3.12E-07	5.49E-08	6.24E-08	1.41E-06
871	490336.72	3860785.12	2.21E-03	2.39E-03	3.77E-03	7.66E-07	2.31E-06	1.34E-06	1.44E-06	1.31E-06	5.97E-07	9.44E-07	2.56E-08	6.18E-07	1.36E-07	1.96E-07	3.11E-07	5.48E-08	6.23E-08	1.40E-06
872	490386.72	3860785.12	2.21E-03	2.39E-03	3.77E-03	7.65E-07	2.31E-06	1.34E-06	1.44E-06	1.31E-06	5.97E-07	9.43E-07	2.56E-08	6.17E-07	1.36E-07	1.96E-07	3.11E-07	5.48E-08	6.22E-08	1.40E-06
873	490436.72	3860785.12	2.20E-03	2.38E-03	3.76E-03	7.63E-07	2.30E-06	1.33E-06	1.44E-06	1.30E-06	5.95E-07	9.40E-07	2.55E-08	6.15E-07	1.36E-07	1.95E-07	3.10E-07	5.46E-08	6.20E-08	1.40E-06
874	490486.72	3860785.12	2.20E-03	2.37E-03	3.75E-03	7.61E-07	2.30E-06	1.33E-06	1.44E-06	1.30E-06	5.94E-07	9.38E-07	2.54E-08	6.14E-07	1.36E-07	1.95E-07	3.09E-07	5.45E-08	6.19E-08	1.40E-06
875	490536.72	3860785.12	2.19E-03	2.36E-03	3.73E-03	7.57E-07	2.29E-06	1.32E-06	1.43E-06	1.29E-06	5.90E-07	9.33E-07	2.53E-08	6.11E-07	1.35E-07	1.94E-07	3.07E-07	5.42E-08	6.16E-08	1.39E-06
876	490586.72	3860785.12	2.17E-03	2.34E-03	3.70E-03	7.51E-07	2.27E-06	1.31E-06	1.42E-06	1.28E-06	5.86E-07	9.26E-07	2.51E-08	6.06E-07	1.34E-07	1.92E-07	3.05E-07	5.38E-08	6.11E-08	1.38E-06
877	490636.72	3860785.12	2.16E-03	2.33E-03	3.68E-03	7.47E-07	2.26E-06	1.31E-06	1.41E-06	1.28E-06	5.83E-07	9.21E-07	2.49E-08	6.02E-07	1.33E-07	1.91E-07	3.03E-07	5.35E-08	6.07E-08	1.37E-06
878	490686.72	3860785.12	2.15E-03	2.32E-03	3.66E-03	7.43E-07	2.24E-06	1.30E-06	1.40E-06	1.27E-06	5.80E-07	9.16E-07	2.48E-08	6.00E-07	1.32E-07	1.90E-07	3.02E-07	5.32E-08	6.04E-08	1.36E-06

879	490736.72	3860785.12	2.14E-03	2.31E-03	3.65E-03	7.40E-07	2.23E-06	1.29E-06	1.40E-06	1.26E-06	5.77E-07	9.13E-07	2.47E-08	5.97E-07	1.32E-07	1.89E-07	3.01E-07	5.30E-08	6.02E-08	1.36E-06
880	490086.72	3860835.12	2.17E-03	2.34E-03	3.69E-03	7.50E-07	2.26E-06	1.31E-06	1.41E-06	1.28E-06	5.85E-07	9.23E-07	2.50E-08	6.05E-07	1.33E-07	1.92E-07	3.04E-07	5.37E-08	6.09E-08	1.37E-06
881	490136.72	3860835.12	2.17E-03	2.34E-03	3.70E-03	7.51E-07	2.27E-06	1.31E-06	1.42E-06	1.28E-06	5.86E-07	9.25E-07	2.51E-08	6.06E-07	1.34E-07	1.92E-07	3.05E-07	5.38E-08	6.10E-08	1.38E-06
882	490186.72	3860835.12	2.17E-03	2.34E-03	3.70E-03	7.51E-07	2.27E-06	1.31E-06	1.42E-06	1.28E-06	5.86E-07	9.25E-07	2.51E-08	6.06E-07	1.34E-07	1.92E-07	3.05E-07	5.38E-08	6.10E-08	1.38E-06
883	490236.72	3860835.12	2.17E-03	2.34E-03	3.69E-03	7.51E-07	2.27E-06	1.31E-06	1.42E-06	1.28E-06	5.85E-07	9.25E-07	2.51E-08	6.05E-07	1.34E-07	1.92E-07	3.05E-07	5.37E-08	6.10E-08	1.38E-06
884	490286.72	3860835.12	2.17E-03	2.34E-03	3.69E-03	7.51E-07	2.27E-06	1.31E-06	1.42E-06	1.28E-06	5.85E-07	9.25E-07	2.51E-08	6.05E-07	1.34E-07	1.92E-07	3.05E-07	5.37E-08	6.10E-08	1.38E-06
885	490336.72	3860835.12	2.16E-03	2.33E-03	3.69E-03	7.49E-07	2.26E-06	1.31E-06	1.41E-06	1.28E-06	5.84E-07	9.23E-07	2.50E-08	6.04E-07	1.33E-07	1.92E-07	3.04E-07	5.36E-08	6.09E-08	1.37E-06
886	490386.72	3860835.12	2.16E-03	2.33E-03	3.68E-03	7.48E-07	2.26E-06	1.31E-06	1.41E-06	1.28E-06	5.83E-07	9.22E-07	2.50E-08	6.03E-07	1.33E-07	1.91E-07	3.04E-07	5.35E-08	6.08E-08	1.37E-06
887	490436.72	3860835.12	2.16E-03	2.33E-03	3.68E-03	7.47E-07	2.25E-06	1.31E-06	1.41E-06	1.28E-06	5.82E-07	9.21E-07	2.49E-08	6.02E-07	1.33E-07	1.91E-07	3.03E-07	5.35E-08	6.07E-08	1.37E-06
888	490486.72	3860835.12	2.15E-03	2.32E-03	3.67E-03	7.45E-07	2.25E-06	1.30E-06	1.40E-06	1.27E-06	5.81E-07	9.19E-07	2.49E-08	6.01E-07	1.33E-07	1.91E-07	3.03E-07	5.33E-08	6.06E-08	1.37E-06
889	490536.72	3860835.12	2.14E-03	2.31E-03	3.66E-03	7.42E-07	2.24E-06	1.30E-06	1.40E-06	1.27E-06	5.79E-07	9.15E-07	2.48E-08	5.99E-07	1.32E-07	1.90E-07	3.01E-07	5.31E-08	6.04E-08	1.36E-06
890	490586.72	3860835.12	2.13E-03	2.30E-03	3.64E-03	7.38E-07	2.23E-06	1.29E-06	1.39E-06	1.26E-06	5.76E-07	9.10E-07	2.46E-08	5.95E-07	1.31E-07	1.89E-07	3.00E-07	5.28E-08	6.00E-08	1.35E-06
891	490636.72	3860835.12	2.12E-03	2.29E-03	3.62E-03	7.34E-07	2.22E-06	1.28E-06	1.38E-06	1.25E-06	5.72E-07	9.05E-07	2.45E-08	5.92E-07	1.31E-07	1.88E-07	2.98E-07	5.25E-08	5.97E-08	1.35E-06
892	490686.72	3860835.12	2.11E-03	2.28E-03	3.60E-03	7.30E-07	2.21E-06	1.28E-06	1.38E-06	1.25E-06	5.70E-07	9.01E-07	2.44E-08	5.89E-07	1.30E-07	1.87E-07	2.97E-07	5.23E-08	5.94E-08	1.34E-06
893	490736.72	3860835.12	2.10E-03	2.27E-03	3.58E-03	7.27E-07	2.20E-06	1.27E-06	1.37E-06	1.24E-06	5.67E-07	8.97E-07	2.43E-08	5.87E-07	1.29E-07	1.86E-07	2.95E-07	5.21E-08	5.92E-08	1.33E-06
894	490086.72	3860885.12	2.12E-03	2.28E-03	3.60E-03	7.32E-07	2.21E-06	1.28E-06	1.38E-06	1.25E-06	5.71E-07	9.01E-07	2.45E-08	5.91E-07	1.30E-07	1.87E-07	2.97E-07	5.24E-08	5.95E-08	1.34E-06
895	490136.72	3860885.12	2.12E-03	2.28E-03	3.61E-03	7.33E-07	2.21E-06	1.28E-06	1.38E-06	1.25E-06	5.72E-07	9.03E-07	2.45E-08	5.91E-07	1.31E-07	1.88E-07	2.98E-07	5.25E-08	5.95E-08	1.34E-06
896	490186.72	3860885.12	2.12E-03	2.29E-03	3.61E-03	7.34E-07	2.22E-06	1.28E-06	1.38E-06	1.25E-06	5.72E-07	9.03E-07	2.45E-08	5.92E-07	1.31E-07	1.88E-07	2.98E-07	5.25E-08	5.96E-08	1.34E-06
897	490236.72	3860885.12	2.12E-03	2.29E-03	3.61E-03	7.34E-07	2.22E-06	1.28E-06	1.38E-06	1.25E-06	5.72E-07	9.04E-07	2.45E-08	5.92E-07	1.31E-07	1.88E-07	2.98E-07	5.25E-08	5.96E-08	1.34E-06
898	490286.72	3860885.12	2.12E-03	2.29E-03	3.61E-03	7.34E-07	2.21E-06	1.28E-06	1.38E-06	1.25E-06	5.72E-07	9.04E-07	2.45E-08	5.92E-07	1.31E-07	1.88E-07	2.98E-07	5.25E-08	5.96E-08	1.34E-06
899	490336.72	3860885.12	2.12E-03	2.28E-03	3.61E-03	7.33E-07	2.21E-06	1.28E-06	1.38E-06	1.25E-06	5.71E-07	9.03E-07	2.45E-08	5.91E-07	1.30E-07	1.88E-07	2.98E-07	5.24E-08	5.95E-08	1.34E-06
900	490386.72	3860885.12	2.11E-03	2.28E-03	3.60E-03	7.32E-07	2.21E-06	1.28E-06	1.38E-06	1.25E-06	5.71E-07	9.02E-07	2.44E-08	5.91E-07	1.30E-07	1.87E-07	2.97E-07	5.24E-08	5.95E-08	1.34E-06
901	490436.72	3860885.12	2.11E-03	2.28E-03	3.60E-03	7.32E-07	2.21E-06	1.28E-06	1.38E-06	1.25E-06	5.71E-07	9.02E-07	2.44E-08	5.90E-07	1.30E-07	1.87E-07	2.97E-07	5.24E-08	5.95E-08	1.34E-06
902	490486.72	3860885.12	2.11E-03	2.27E-03	3.60E-03	7.30E-07	2.20E-06	1.28E-06	1.38E-06	1.25E-06	5.69E-07	9.00E-07	2.44E-08	5.89E-07	1.30E-07	1.87E-07	2.96E-07	5.22E-08	5.94E-08	1.34E-06
903	490536.72	3860885.12	2.10E-03	2.27E-03	3.58E-03	7.28E-07	2.20E-06	1.27E-06	1.37E-06	1.24E-06	5.68E-07	8.97E-07	2.43E-08	5.87E-07	1.30E-07	1.86E-07	2.96E-07	5.21E-08	5.92E-08	1.33E-06
904	490586.72	3860885.12	2.09E-03	2.26E-03	3.57E-03	7.25E-07	2.19E-06	1.27E-06	1.37E-06	1.24E-06	5.65E-07	8.93E-07	2.42E-08	5.84E-07	1.29E-07	1.85E-07	2.94E-07	5.19E-08	5.89E-08	1.33E-06
905	490636.72	3860885.12	2.08E-03	2.25E-03	3.55E-03	7.21E-07	2.18E-06	1.26E-06	1.36E-06	1.23E-06	5.62E-07	8.89E-07	2.41E-08	5.81E-07	1.28E-07	1.85E-07	2.93E-07	5.16E-08	5.86E-08	1.32E-06
906	490686.72	3860885.12	2.07E-03	2.24E-03	3.53E-03	7.17E-07	2.17E-06	1.25E-06	1.35E-06	1.23E-06	5.59E-07	8.84E-07	2.39E-08	5.79E-07	1.28E-07	1.84E-07	2.91E-07	5.13E-08	5.83E-08	1.31E-06
907	490736.72	3860885.12	2.06E-03	2.22E-03	3.52E-03	7.14E-07	2.16E-06	1.25E-06	1.35E-06	1.22E-06	5.57E-07	8.80E-07	2.38E-08	5.76E-07	1.27E-07	1.83E-07	2.90E-07	5.11E-08	5.81E-08	1.31E-06
908	490086.72	3860935.12	2.06E-03	2.22E-03	3.51E-03	7.14E-07	2.16E-06	1.25E-06	1.35E-06	1.22E-06	5.57E-07	8.79E-07	2.38E-08	5.76E-07	1.27E-07	1.83E-07	2.90E-07	5.11E-08	5.80E-08	1.31E-06
909	490136.72	3860935.12	2.06E-03	2.23E-03	3.51E-03	7.14E-07	2.16E-06	1.25E-06	1.35E-06	1.22E-06	5.57E-07	8.79E-07	2.39E-08	5.76E-07	1.27E-07	1.83E-07	2.90E-07	5.11E-08	5.80E-08	1.31E-06
910	490186.72	3860935.12	2.07E-03	2.23E-03	3.52E-03	7.16E-07	2.16E-06	1.25E-06	1.35E-06	1.22E-06	5.58E-07	8.81E-07	2.39E-08	5.77E-07	1.27E-07	1.83E-07	2.91E-07	5.12E-08	5.81E-08	1.31E-06
911	490236.72	3860935.12	2.07E-03	2.23E-03	3.53E-03	7.17E-07	2.16E-06	1.25E-06	1.35E-06	1.22E-06	5.59E-07	8.82E-07	2.39E-08	5.78E-07	1.28E-07	1.83E-07	2.91E-07	5.13E-08	5.82E-08	1.31E-06
912	490286.72	3860935.12	2.07E-03	2.23E-03	3.53E-03	7.17E-07	2.17E-06	1.25E-06	1.35E-06	1.23E-06	5.59E-07	8.83E-07	2.39E-08	5.78E-07	1.28E-07	1.84E-07	2.91E-07	5.13E-08	5.83E-08	1.31E-06
913	490336.72	3860935.12	2.07E-03	2.23E-03	3.53E-03	7.16E-07	2.16E-06	1.25E-06	1.35E-06	1.22E-06	5.59E-07	8.83E-07	2.39E-08	5.78E-07	1.28E-07	1.83E-07	2.91E-07	5.13E-08	5.82E-08	1.31E-06
914	490386.72	3860935.12	2.07E-03	2.23E-03	3.53E-03	7.17E-07	2.16E-06	1.25E-06	1.35E-06	1.22E-06	5.59E-07	8.83E-07	2.39E-08	5.78E-07	1.28E-07	1.83E-07	2.91E-07	5.13E-08	5.83E-08	1.31E-06
915	490436.72	3860935.12	2.07E-03	2.23E-03	3.53E-03	7.16E-07	2.16E-06	1.25E-06	1.35E-06	1.22E-06	5.59E-07	8.83E-07	2.39E-08	5.78E-07	1.28E-07	1.83E-07	2.91E-07	5.13E-08	5.82E-08	1.31E-06
916	490486.72	3860935.12	2.07E-03	2.23E-03	3.52E-03	7.15E-07	2.16E-06	1.25E-06	1.35E-06	1.22E-06	5.58E-07	8.81E-07	2.39E-08	5.77E-07	1.27E-07	1.83E-07	2.90E-07	5.12E-08	5.81E-08	1.31E-06
917	490536.72	3860935.12	2.06E-03	2.22E-03	3.51E-03	7.13E-07	2.15E-06	1.25E-06	1.35E-06	1.22E-06	5.56E-07	8.80E-07	2.38E-08	5.76E-07	1.27E-07	1.83E-07	2.90E-07	5.11E-08	5.80E-08	1.31E-06
918	490586.72	3860935.12	2.05E-03	2.22E-03	3.50E-03	7.11E-07	2.15E-06	1.24E-06	1.34E-06	1.22E-06	5.54E-07	8.77E-07	2.37E-08	5.73E-07	1.27E-07	1.82E-07	2.89E-07	5.09E-08	5.78E-08	1.30E-06
919	490636.72	3860935.12	2.04E-03	2.21E-03	3.49E-03	7.08E-07	2.14E-06	1.24E-06	1.33E-06	1.21E-06	5.52E-07	8.73E-07	2.36E-08	5.71E-07	1.26E-07	1.81E-07	2.87E-07	5.07E-08	5.76E-08	1.30E-06
920	490686.72	3860935.12	2.04E-03	2.20E-03	3.47E-03	7.05E-07	2.13E-06	1.23E-06	1.33E-06	1.20E-06	5.50E-07	8.69E-07	2.35E-08	5.68E-07	1.25E-07	1.80E-07	2.86E-07	5.04E-08	5.73E-08	1.29E-06
921	490736.72	3860935.12	2.03E-03	2.19E-03	3.46E-03	7.01E-07	2.12E-06	1.23E-06	1.32E-06	1.20E-06	5.47E-07	8.65E-07	2.34E-08	5.66E-07	1.25E-07	1.80E-07	2.85E-07	5.02E-08	5.71E-08	1.29E-06
922	490786.72	3860935.12	2.02E-03	2.17E-03	3.44E-03	6.98E-07	2.11E-06	1.22E-06	1.32E-06	1.19E-06	5.44E-07	8.61E-07	2.33E-08	5.63E-07	1.24E-07	1.79E-07	2.83E-07	4.99E-08	5.68E-08	1.28E-06
923	490836.72	3860935.12	2.01E-03	2.17E-03	3.43E-03	6.95E-07	2.10E-06	1.21E-06	1.31E-06	1.19E-06	5.42E-07	8.57E-07	2.32E-08	5.61E-07	1.24E-07	1.78E-07	2.82E-07	4.97E-08	5.65E-08	1.27E-06
924	490086.72	3860985.12	2.01E-03	2.17E-03	3.43E-03	6.97E-07	2.10E-06	1.22E-06	1.31E-06	1.19E-06	5.43E-07	8.58E-07	2.33E-08	5.62E-07	1.24E-07	1.78E-07	2.83E-07	4.99E-08	5.66E-08	1.28E-06
925	490136.72	3860985.12	2.02E-03	2.18E-03	3.43E-03	6.98E-07	2.11E-06	1.22E-06	1.32E-06	1.19E-06	5.44E-07	8.59E-07	2.33E-08	5.63E-07	1.24E-07	1.79E-07	2.83E-07	5.00E-08	5.67E-08	1.28E-06
926	490186.72	3860985.12	2.02E-03	2.18E-03	3.44E-03	7.00E-07	2.11E-06	1.22E-06	1.32E-06	1.20E-06	5.46E-07	8.61E-07	2.34E-08	5.64E-07	1.25E-07	1.79E-07	2.84E-07	5.01E-08	5.68E-08	1.28E-06
927	490236.72	3860985.12	2.02E-03	2.18E-03	3.44E-03	7.00E-07	2.11E-06	1.22E-06	1.32E-06	1.20E-06	5.46E-07	8.62E-07	2.34E-08	5.65E-07	1.25E-07	1.79E-07	2.84E-07	5.01E-08	5.69E-08	1.28E-06
928	490286.72	3860985.12	2.02E-03	2.18E-03	3.45E-03	7.00E-07	2.11E-06	1.22E-06	1.32E-06	1.20E-06	5.46E-07	8.63E-07	2.34E-08	5.65E-07	1.25E-07	1.79E-07	2.84E-07	5.01E-08	5.69E-08	1.28E-06
929	490336.72	3860985.12	2.02E-03	2.18E-03	3.45E-03	7.01E-07	2.12E-06	1.22E-06	1.32E-06	1.20E-06	5.46E-07	8.63E-07	2.34E-08	5.65E-07	1.25E-07	1.79E-07	2.85E-07	5.01E-08	5.69E-08	1.28E-06
930	490386.72	3860985.12	2.02E-03	2.18E-03	3.45E-03	7.01E-07	2.12E-06	1.23E-06	1.32E-06	1.20E-06	5.47E-07	8.64E-07	2.34E-08	5.65E-07	1.25E-07	1.79E-07	2.85E-07	5.02E-08	5.70E-08	1.28E-06
931	490436.72	3860985.12	2.03E-03	2.19E-03	3.45E-03	7.02E-07	2.12E-06	1.23E-06	1.32E-06	1.20E-06	5.47E-07	8.65E-07	2.34E-08	5.66E-07	1.25E-07	1.80E-07	2.85E-07	5.02E-08	5.70E-08	1.29E-06
932	490486.72	3860985.12	2.02E-03	2.18E-03	3.45E-03	7.01E-07	2.12E-06	1.22E-06	1.32E-06	1.20E-06	5.46E-07	8.64E-07	2.34E-08	5.65E-07	1.25E-07	1.79E-07	2.85E-07	5.01E-08	5.70E-08	1.28E-06
933	490536.72	3860985.12	2.02E-03	2.18E-03	3.44E-03	6.99E-07	2.11E-06	1.22E-06	1.32E-06	1.19E-06	5.45E-07	8.62E-07	2.33E-08	5.64E-07	1.24E-07	1.79E-07	2.84E-07	5.00E-08	5.68E-08	1.28E-06
934	490586.72	3860985.12	2.01E-03	2.17E-03	3.43E-03	6.97E-07	2.10E-06	1.22E-06	1.31E-06	1.19E-06	5.44E-07	8.60E-07	2.33E-08	5.62E-07	1.24E-07	1.78E-07	2.83E-07	4.99E-08	5.67E-08	1.28E-06
935	490636.72	3860985.12	2.01E-03	2.17E-03	3.43E-03	6.95E-07	2.10E-06	1.22E-06	1.31E-06	1.19E-06	5.42E-07	8.57E-07	2.32E-08	5.61E-07	1.24E-07	1.78E-07	2.82E-07	4.98E-08	5.65E-08	1.27E-06
936	490686.72	3860985.12	2.00E-03	2.16E-03	3.41E-03	6.92E-07	2.09E-06	1.21E-06	1.31E-06	1.18E-06	5.40E-07	8.54E-07	2.31E-08	5.58E-07	1.23E-07	1.77E-07	2.81E-07	4.95E-08	5.63E-08	1.27E-06
937	490736.72	3860985.12	1.99E-03	2.15E-03	3.40E-03	6.89E-07	2.08E-06	1.20E-06	1.30E-06	1.18E-06	5.37E-07	8.50E-07	2.30E-08	5.56E-07	1.23E-07	1.76E-07	2.80E-07	4.93E-08	5.61E-08	1.26E-06

938	490786.72	3860985.12	1.98E-03	2.14E-03	3.38E-03	6.86E-07	2.07E-06	1.20E-06	1.29E-06	1.17E-06	5.35E-07	8.46E-07	2.29E-08	5.53E-07	1.22E-07	1.76E-07	2.79E-07	4.91E-08	5.58E-08	1.26E-06
939	490836.72	3860985.12	1.97E-03	2.13E-03	3.37E-03	6.83E-07	2.06E-06	1.19E-06	1.29E-06	1.17E-06	5.33E-07	8.43E-07	2.28E-08	5.51E-07	1.22E-07	1.75E-07	2.77E-07	4.89E-08	5.56E-08	1.25E-06
940	490086.72	3861035.12	1.97E-03	2.12E-03	3.35E-03	6.80E-07	2.05E-06	1.19E-06	1.28E-06	1.16E-06	5.31E-07	8.37E-07	2.27E-08	5.49E-07	1.21E-07	1.74E-07	2.76E-07	4.87E-08	5.52E-08	1.25E-06
941	490136.72	3861035.12	1.97E-03	2.12E-03	3.35E-03	6.82E-07	2.06E-06	1.19E-06	1.29E-06	1.17E-06	5.32E-07	8.39E-07	2.28E-08	5.50E-07	1.21E-07	1.75E-07	2.77E-07	4.88E-08	5.54E-08	1.25E-06
942	490186.72	3861035.12	1.97E-03	2.13E-03	3.36E-03	6.83E-07	2.06E-06	1.19E-06	1.29E-06	1.17E-06	5.32E-07	8.41E-07	2.28E-08	5.51E-07	1.22E-07	1.75E-07	2.77E-07	4.89E-08	5.54E-08	1.25E-06
943	490236.72	3861035.12	1.98E-03	2.13E-03	3.37E-03	6.84E-07	2.07E-06	1.20E-06	1.29E-06	1.17E-06	5.33E-07	8.42E-07	2.28E-08	5.52E-07	1.22E-07	1.75E-07	2.78E-07	4.90E-08	5.56E-08	1.25E-06
944	490286.72	3861035.12	1.98E-03	2.13E-03	3.37E-03	6.84E-07	2.07E-06	1.20E-06	1.29E-06	1.17E-06	5.34E-07	8.43E-07	2.29E-08	5.52E-07	1.22E-07	1.75E-07	2.78E-07	4.90E-08	5.56E-08	1.25E-06
945	490336.72	3861035.12	1.98E-03	2.13E-03	3.37E-03	6.85E-07	2.07E-06	1.20E-06	1.29E-06	1.17E-06	5.34E-07	8.43E-07	2.29E-08	5.52E-07	1.22E-07	1.75E-07	2.78E-07	4.90E-08	5.56E-08	1.25E-06
946	490386.72	3861035.12	1.98E-03	2.14E-03	3.38E-03	6.86E-07	2.07E-06	1.20E-06	1.29E-06	1.17E-06	5.35E-07	8.45E-07	2.29E-08	5.53E-07	1.22E-07	1.76E-07	2.79E-07	4.91E-08	5.57E-08	1.26E-06
947	490436.72	3861035.12	1.98E-03	2.14E-03	3.38E-03	6.87E-07	2.07E-06	1.20E-06	1.29E-06	1.17E-06	5.36E-07	8.46E-07	2.29E-08	5.54E-07	1.22E-07	1.76E-07	2.79E-07	4.92E-08	5.58E-08	1.26E-06
948	490486.72	3861035.12	1.98E-03	2.14E-03	3.38E-03	6.86E-07	2.07E-06	1.20E-06	1.29E-06	1.17E-06	5.35E-07	8.46E-07	2.29E-08	5.54E-07	1.22E-07	1.76E-07	2.79E-07	4.91E-08	5.58E-08	1.26E-06
949	490536.72	3861035.12	1.98E-03	2.14E-03	3.38E-03	6.85E-07	2.07E-06	1.20E-06	1.29E-06	1.17E-06	5.35E-07	8.45E-07	2.29E-08	5.53E-07	1.22E-07	1.75E-07	2.78E-07	4.91E-08	5.57E-08	1.26E-06
950	490586.72	3861035.12	1.98E-03	2.13E-03	3.37E-03	6.84E-07	2.06E-06	1.20E-06	1.29E-06	1.17E-06	5.33E-07	8.43E-07	2.28E-08	5.52E-07	1.22E-07	1.75E-07	2.78E-07	4.89E-08	5.56E-08	1.25E-06
951	490636.72	3861035.12	1.97E-03	2.12E-03	3.36E-03	6.82E-07	2.06E-06	1.19E-06	1.29E-06	1.17E-06	5.32E-07	8.41E-07	2.28E-08	5.50E-07	1.21E-07	1.75E-07	2.77E-07	4.88E-08	5.55E-08	1.25E-06
952	490686.72	3861035.12	1.96E-03	2.12E-03	3.35E-03	6.79E-07	2.05E-06	1.19E-06	1.28E-06	1.16E-06	5.30E-07	8.38E-07	2.27E-08	5.48E-07	1.21E-07	1.74E-07	2.76E-07	4.86E-08	5.53E-08	1.25E-06
953	490736.72	3861035.12	1.96E-03	2.11E-03	3.34E-03	6.77E-07	2.04E-06	1.18E-06	1.28E-06	1.16E-06	5.28E-07	8.35E-07	2.26E-08	5.46E-07	1.20E-07	1.73E-07	2.75E-07	4.84E-08	5.51E-08	1.24E-06
954	490786.72	3861035.12	1.95E-03	2.10E-03	3.32E-03	6.74E-07	2.04E-06	1.18E-06	1.27E-06	1.15E-06	5.26E-07	8.32E-07	2.25E-08	5.44E-07	1.20E-07	1.73E-07	2.74E-07	4.83E-08	5.49E-08	1.24E-06
955	490836.72	3861035.12	1.94E-03	2.09E-03	3.31E-03	6.72E-07	2.03E-06	1.17E-06	1.27E-06	1.15E-06	5.24E-07	8.29E-07	2.24E-08	5.42E-07	1.20E-07	1.72E-07	2.73E-07	4.81E-08	5.47E-08	1.23E-06
956	490086.72	3861085.12	1.92E-03	2.07E-03	3.27E-03	6.64E-07	2.01E-06	1.16E-06	1.25E-06	1.14E-06	5.18E-07	8.17E-07	2.22E-08	5.36E-07	1.18E-07	1.70E-07	2.70E-07	4.75E-08	5.39E-08	1.22E-06
957	490136.72	3861085.12	1.93E-03	2.08E-03	3.28E-03	6.66E-07	2.01E-06	1.16E-06	1.26E-06	1.14E-06	5.20E-07	8.20E-07	2.23E-08	5.38E-07	1.19E-07	1.71E-07	2.71E-07	4.77E-08	5.41E-08	1.22E-06
958	490186.72	3861085.12	1.93E-03	2.08E-03	3.29E-03	6.69E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.21E-07	8.23E-07	2.23E-08	5.39E-07	1.19E-07	1.71E-07	2.71E-07	4.78E-08	5.43E-08	1.23E-06
959	490236.72	3861085.12	1.93E-03	2.08E-03	3.29E-03	6.69E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.22E-07	8.24E-07	2.23E-08	5.40E-07	1.19E-07	1.71E-07	2.72E-07	4.79E-08	5.43E-08	1.23E-06
960	490286.72	3861085.12	1.93E-03	2.09E-03	3.29E-03	6.70E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.22E-07	8.25E-07	2.24E-08	5.40E-07	1.19E-07	1.71E-07	2.72E-07	4.79E-08	5.44E-08	1.23E-06
961	490336.72	3861085.12	1.94E-03	2.09E-03	3.30E-03	6.70E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.22E-07	8.25E-07	2.24E-08	5.40E-07	1.19E-07	1.71E-07	2.72E-07	4.79E-08	5.44E-08	1.23E-06
962	490386.72	3861085.12	1.94E-03	2.09E-03	3.30E-03	6.71E-07	2.03E-06	1.17E-06	1.27E-06	1.15E-06	5.23E-07	8.27E-07	2.24E-08	5.41E-07	1.19E-07	1.72E-07	2.73E-07	4.80E-08	5.45E-08	1.23E-06
963	490436.72	3861085.12	1.94E-03	2.09E-03	3.31E-03	6.72E-07	2.03E-06	1.17E-06	1.27E-06	1.15E-06	5.24E-07	8.28E-07	2.24E-08	5.42E-07	1.20E-07	1.72E-07	2.73E-07	4.81E-08	5.46E-08	1.23E-06
964	490486.72	3861085.12	1.94E-03	2.09E-03	3.31E-03	6.72E-07	2.03E-06	1.17E-06	1.27E-06	1.15E-06	5.24E-07	8.28E-07	2.24E-08	5.42E-07	1.20E-07	1.72E-07	2.73E-07	4.81E-08	5.46E-08	1.23E-06
965	490536.72	3861085.12	1.94E-03	2.09E-03	3.31E-03	6.72E-07	2.03E-06	1.17E-06	1.27E-06	1.15E-06	5.24E-07	8.28E-07	2.24E-08	5.42E-07	1.20E-07	1.72E-07	2.73E-07	4.81E-08	5.46E-08	1.23E-06
966	490586.72	3861085.12	1.94E-03	2.09E-03	3.30E-03	6.71E-07	2.02E-06	1.17E-06	1.26E-06	1.15E-06	5.23E-07	8.27E-07	2.24E-08	5.41E-07	1.19E-07	1.72E-07	2.72E-07	4.80E-08	5.45E-08	1.23E-06
967	490636.72	3861085.12	1.93E-03	2.08E-03	3.29E-03	6.69E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.21E-07	8.24E-07	2.23E-08	5.39E-07	1.19E-07	1.71E-07	2.72E-07	4.79E-08	5.44E-08	1.23E-06
968	490686.72	3861085.12	1.93E-03	2.08E-03	3.29E-03	6.67E-07	2.01E-06	1.17E-06	1.26E-06	1.14E-06	5.20E-07	8.22E-07	2.23E-08	5.38E-07	1.19E-07	1.71E-07	2.71E-07	4.77E-08	5.42E-08	1.22E-06
969	490736.72	3861085.12	1.92E-03	2.07E-03	3.28E-03	6.65E-07	2.01E-06	1.16E-06	1.25E-06	1.14E-06	5.18E-07	8.20E-07	2.22E-08	5.36E-07	1.18E-07	1.70E-07	2.70E-07	4.76E-08	5.41E-08	1.22E-06
970	490786.72	3861085.12	1.91E-03	2.07E-03	3.27E-03	6.63E-07	2.00E-06	1.16E-06	1.25E-06	1.13E-06	5.17E-07	8.17E-07	2.21E-08	5.34E-07	1.18E-07	1.70E-07	2.69E-07	4.74E-08	5.39E-08	1.21E-06
971	490836.72	3861085.12	1.91E-03	2.06E-03	3.25E-03	6.60E-07	1.99E-06	1.15E-06	1.24E-06	1.13E-06	5.15E-07	8.14E-07	2.20E-08	5.32E-07	1.17E-07	1.69E-07	2.68E-07	4.73E-08	5.37E-08	1.21E-06
972	490086.72	3861135.12	1.87E-03	2.02E-03	3.19E-03	6.49E-07	1.96E-06	1.13E-06	1.22E-06	1.11E-06	5.06E-07	7.98E-07	2.17E-08	5.23E-07	1.15E-07	1.66E-07	2.63E-07	4.64E-08	5.26E-08	1.19E-06
973	490136.72	3861135.12	1.88E-03	2.03E-03	3.20E-03	6.51E-07	1.96E-06	1.14E-06	1.23E-06	1.11E-06	5.07E-07	8.01E-07	2.17E-08	5.25E-07	1.16E-07	1.67E-07	2.64E-07	4.66E-08	5.28E-08	1.19E-06
974	490186.72	3861135.12	1.89E-03	2.03E-03	3.21E-03	6.53E-07	1.97E-06	1.14E-06	1.23E-06	1.12E-06	5.09E-07	8.03E-07	2.18E-08	5.26E-07	1.16E-07	1.67E-07	2.65E-07	4.67E-08	5.30E-08	1.20E-06
975	490236.72	3861135.12	1.89E-03	2.04E-03	3.22E-03	6.54E-07	1.97E-06	1.14E-06	1.23E-06	1.12E-06	5.10E-07	8.05E-07	2.18E-08	5.28E-07	1.16E-07	1.67E-07	2.66E-07	4.68E-08	5.31E-08	1.20E-06
976	490286.72	3861135.12	1.89E-03	2.04E-03	3.22E-03	6.55E-07	1.98E-06	1.15E-06	1.24E-06	1.12E-06	5.11E-07	8.07E-07	2.19E-08	5.28E-07	1.17E-07	1.68E-07	2.66E-07	4.69E-08	5.32E-08	1.20E-06
977	490336.72	3861135.12	1.89E-03	2.04E-03	3.23E-03	6.56E-07	1.98E-06	1.15E-06	1.24E-06	1.12E-06	5.11E-07	8.08E-07	2.19E-08	5.29E-07	1.17E-07	1.68E-07	2.66E-07	4.69E-08	5.33E-08	1.20E-06
978	490386.72	3861135.12	1.90E-03	2.05E-03	3.23E-03	6.57E-07	1.98E-06	1.15E-06	1.24E-06	1.12E-06	5.12E-07	8.09E-07	2.19E-08	5.30E-07	1.17E-07	1.68E-07	2.67E-07	4.70E-08	5.34E-08	1.20E-06
979	490436.72	3861135.12	1.90E-03	2.05E-03	3.23E-03	6.57E-07	1.98E-06	1.15E-06	1.24E-06	1.12E-06	5.12E-07	8.10E-07	2.19E-08	5.30E-07	1.17E-07	1.68E-07	2.67E-07	4.70E-08	5.34E-08	1.20E-06
980	490486.72	3861135.12	1.90E-03	2.05E-03	3.24E-03	6.58E-07	1.99E-06	1.15E-06	1.24E-06	1.12E-06	5.13E-07	8.10E-07	2.20E-08	5.30E-07	1.17E-07	1.68E-07	2.67E-07	4.71E-08	5.34E-08	1.21E-06
981	490536.72	3861135.12	1.90E-03	2.05E-03	3.24E-03	6.58E-07	1.99E-06	1.15E-06	1.24E-06	1.12E-06	5.13E-07	8.11E-07	2.20E-08	5.30E-07	1.17E-07	1.68E-07	2.67E-07	4.71E-08	5.35E-08	1.21E-06
982	490586.72	3861135.12	1.90E-03	2.05E-03	3.24E-03	6.57E-07	1.98E-06	1.15E-06	1.24E-06	1.12E-06	5.12E-07	8.10E-07	2.19E-08	5.30E-07	1.17E-07	1.68E-07	2.67E-07	4.70E-08	5.34E-08	1.20E-06
983	490636.72	3861135.12	1.89E-03	2.04E-03	3.23E-03	6.56E-07	1.98E-06	1.15E-06	1.24E-06	1.12E-06	5.11E-07	8.08E-07	2.19E-08	5.29E-07	1.17E-07	1.68E-07	2.66E-07	4.69E-08	5.33E-08	1.20E-06
984	490686.72	3861135.12	1.89E-03	2.04E-03	3.22E-03	6.54E-07	1.98E-06	1.14E-06	1.23E-06	1.12E-06	5.10E-07	8.07E-07	2.19E-08	5.28E-07	1.16E-07	1.68E-07	2.66E-07	4.68E-08	5.32E-08	1.20E-06
985	490736.72	3861135.12	1.89E-03	2.04E-03	3.22E-03	6.53E-07	1.97E-06	1.14E-06	1.23E-06	1.12E-06	5.09E-07	8.05E-07	2.18E-08	5.27E-07	1.16E-07	1.67E-07	2.65E-07	4.67E-08	5.31E-08	1.20E-06
986	490786.72	3861135.12	1.88E-03	2.03E-03	3.21E-03	6.51E-07	1.97E-06	1.14E-06	1.23E-06	1.11E-06	5.08E-07	8.03E-07	2.17E-08	5.25E-07	1.16E-07	1.67E-07	2.65E-07	4.66E-08	5.30E-08	1.19E-06
987	490836.72	3861135.12	1.87E-03	2.02E-03	3.20E-03	6.49E-07	1.96E-06	1.13E-06	1.22E-06	1.11E-06	5.06E-07	8.01E-07	2.17E-08	5.23E-07	1.16E-07	1.66E-07	2.64E-07	4.65E-08	5.28E-08	1.19E-06
988	490086.72	3861185.12	1.83E-03	1.97E-03	3.11E-03	6.34E-07	1.91E-06	1.11E-06	1.19E-06	1.08E-06	4.94E-07	7.79E-07	2.12E-08	5.11E-07	1.13E-07	1.62E-07	2.57E-07	4.53E-08	5.14E-08	1.16E-06
989	490136.72	3861185.12	1.83E-03	1.98E-03	3.12E-03	6.35E-07	1.92E-06	1.11E-06	1.20E-06	1.08E-06	4.95E-07	7.81E-07	2.12E-08	5.12E-07	1.13E-07	1.62E-07	2.58E-07	4.54E-08	5.15E-08	1.16E-06
990	490186.72	3861185.12	1.84E-03	1.98E-03	3.13E-03	6.36E-07	1.92E-06	1.11E-06	1.20E-06	1.09E-06	4.96E-07	7.83E-07	2.12E-08	5.13E-07	1.13E-07	1.63E-07	2.58E-07	4.55E-08	5.17E-08	1.17E-06
991	490236.72	3861185.12	1.84E-03	1.99E-03	3.14E-03	6.38E-07	1.93E-06	1.12E-06	1.20E-06	1.09E-06	4.98E-07	7.86E-07	2.13E-08	5.15E-07	1.14E-07	1.63E-07	2.59E-07	4.57E-08	5.18E-08	1.17E-06
992	490286.72	3861185.12	1.85E-03	1.99E-03	3.15E-03	6.40E-07	1.93E-06	1.12E-06	1.21E-06	1.09E-06	4.99E-07	7.88E-07	2.14E-08	5.16E-07	1.14E-07	1.64E-07	2.60E-07	4.58E-08	5.20E-08	1.17E-06
993	490336.72	3861185.12	1.85E-03	1.99E-03	3.15E-03	6.40E-07	1.93E-06	1.12E-06	1.21E-06	1.09E-06	4.99E-07	7.88E-07	2.14E-08	5.16E-07	1.14E-07	1.64E-07	2.60E-07	4.58E-08	5.20E-08	1.17E-06
994	490386.72	3861185.12	1.85E-03	2.00E-03	3.16E-03	6.41E-07	1.94E-06	1.12E-06	1.21E-06	1.10E-06	5.00E-07	7.90E-07	2.14E-08	5.17E-07	1.14E-07	1.64E-07	2.60E-07	4.59E-08	5.21E-08	1.18E-06
995	490436.72	3861185.12	1.86E-03	2.00E-03	3.16E-03	6.43E-07	1.94E-06	1.12E-06	1.21E-06	1.10E-06	5.01E-07	7.92E-07	2.15E-08	5.18E-07	1.14E-07	1.65E-07	2.61E-07	4.60E-08	5.22E-08	1.18E-06
996	490486.72	3861185.12	1.86E-03	2.00E-03	3.17E-03	6.43E-07	1.94E-06	1.12E-06	1.21E-06	1.10E-06	5.02E-07	7.93E-07	2.15E-08	5.19E-07	1.14E-07	1.65E-07	2.61E-07	4.60E-08	5.23E-08	1.18E-06

997	490536.72	3861185.12	1.86E-03	2.01E-03	3.18E-03	6.45E-07	1.95E-06	1.13E-06	1.22E-06	1.10E-06	5.03E-07	7.95E-07	2.15E-08	5.20E-07	1.15E-07	1.65E-07	2.62E-07	4.61E-08	5.24E-08	1.18E-06
998	490586.72	3861185.12	1.86E-03	2.01E-03	3.17E-03	6.44E-07	1.95E-06	1.13E-06	1.21E-06	1.10E-06	5.02E-07	7.94E-07	2.15E-08	5.20E-07	1.15E-07	1.65E-07	2.62E-07	4.61E-08	5.24E-08	1.18E-06
999	490636.72	3861185.12	1.86E-03	2.00E-03	3.17E-03	6.43E-07	1.94E-06	1.12E-06	1.21E-06	1.10E-06	5.01E-07	7.92E-07	2.15E-08	5.18E-07	1.14E-07	1.64E-07	2.61E-07	4.60E-08	5.23E-08	1.18E-06
1000	490686.72	3861185.12	1.85E-03	2.00E-03	3.16E-03	6.42E-07	1.94E-06	1.12E-06	1.21E-06	1.10E-06	5.00E-07	7.91E-07	2.14E-08	5.18E-07	1.14E-07	1.64E-07	2.61E-07	4.59E-08	5.22E-08	1.18E-06
1001	490736.72	3861185.12	1.85E-03	2.00E-03	3.16E-03	6.41E-07	1.94E-06	1.12E-06	1.21E-06	1.10E-06	5.00E-07	7.91E-07	2.14E-08	5.17E-07	1.14E-07	1.64E-07	2.60E-07	4.59E-08	5.22E-08	1.18E-06
1002	490786.72	3861185.12	1.85E-03	1.99E-03	3.15E-03	6.40E-07	1.93E-06	1.12E-06	1.21E-06	1.09E-06	4.99E-07	7.90E-07	2.14E-08	5.16E-07	1.14E-07	1.64E-07	2.60E-07	4.58E-08	5.21E-08	1.17E-06
1003	490836.72	3861185.12	1.84E-03	1.99E-03	3.15E-03	6.38E-07	1.93E-06	1.12E-06	1.20E-06	1.09E-06	4.98E-07	7.87E-07	2.13E-08	5.15E-07	1.14E-07	1.63E-07	2.59E-07	4.57E-08	5.19E-08	1.17E-06
1004	490086.72	3861235.12	1.79E-03	1.93E-03	3.04E-03	6.19E-07	1.87E-06	1.08E-06	1.17E-06	1.06E-06	4.83E-07	7.61E-07	2.07E-08	4.99E-07	1.10E-07	1.58E-07	2.51E-07	4.43E-08	5.02E-08	1.13E-06
1005	490136.72	3861235.12	1.79E-03	1.93E-03	3.05E-03	6.20E-07	1.87E-06	1.08E-06	1.17E-06	1.06E-06	4.83E-07	7.63E-07	2.07E-08	5.00E-07	1.10E-07	1.59E-07	2.52E-07	4.44E-08	5.03E-08	1.14E-06
1006	490186.72	3861235.12	1.80E-03	1.94E-03	3.06E-03	6.22E-07	1.88E-06	1.09E-06	1.17E-06	1.06E-06	4.85E-07	7.65E-07	2.08E-08	5.02E-07	1.11E-07	1.59E-07	2.52E-07	4.45E-08	5.05E-08	1.14E-06
1007	490236.72	3861235.12	1.80E-03	1.94E-03	3.06E-03	6.23E-07	1.88E-06	1.09E-06	1.17E-06	1.06E-06	4.86E-07	7.67E-07	2.08E-08	5.02E-07	1.11E-07	1.59E-07	2.53E-07	4.46E-08	5.06E-08	1.14E-06
1008	490386.72	3861235.12	1.81E-03	1.95E-03	3.08E-03	6.26E-07	1.89E-06	1.09E-06	1.18E-06	1.07E-06	4.88E-07	7.71E-07	2.09E-08	5.05E-07	1.11E-07	1.60E-07	2.54E-07	4.48E-08	5.09E-08	1.15E-06
1009	490436.72	3861235.12	1.81E-03	1.95E-03	3.09E-03	6.27E-07	1.89E-06	1.10E-06	1.18E-06	1.07E-06	4.89E-07	7.73E-07	2.09E-08	5.06E-07	1.12E-07	1.61E-07	2.55E-07	4.49E-08	5.10E-08	1.15E-06
1010	490486.72	3861235.12	1.81E-03	1.96E-03	3.09E-03	6.28E-07	1.90E-06	1.10E-06	1.18E-06	1.07E-06	4.90E-07	7.74E-07	2.10E-08	5.07E-07	1.12E-07	1.61E-07	2.55E-07	4.49E-08	5.10E-08	1.15E-06
1011	490536.72	3861235.12	1.82E-03	1.96E-03	3.11E-03	6.31E-07	1.90E-06	1.10E-06	1.19E-06	1.08E-06	4.92E-07	7.77E-07	2.11E-08	5.09E-07	1.12E-07	1.61E-07	2.56E-07	4.51E-08	5.13E-08	1.16E-06
1012	490586.72	3861235.12	1.83E-03	1.97E-03	3.11E-03	6.32E-07	1.91E-06	1.10E-06	1.19E-06	1.08E-06	4.93E-07	7.79E-07	2.11E-08	5.10E-07	1.12E-07	1.62E-07	2.57E-07	4.52E-08	5.14E-08	1.16E-06
1013	490636.72	3861235.12	1.82E-03	1.96E-03	3.10E-03	6.30E-07	1.90E-06	1.10E-06	1.19E-06	1.08E-06	4.91E-07	7.76E-07	2.10E-08	5.08E-07	1.12E-07	1.61E-07	2.56E-07	4.51E-08	5.12E-08	1.15E-06
1014	490686.72	3861235.12	1.82E-03	1.96E-03	3.10E-03	6.29E-07	1.90E-06	1.10E-06	1.19E-06	1.08E-06	4.91E-07	7.76E-07	2.10E-08	5.08E-07	1.12E-07	1.61E-07	2.56E-07	4.50E-08	5.12E-08	1.15E-06
1015	490736.72	3861235.12	1.82E-03	1.96E-03	3.10E-03	6.29E-07	1.90E-06	1.10E-06	1.19E-06	1.08E-06	4.91E-07	7.76E-07	2.10E-08	5.07E-07	1.12E-07	1.61E-07	2.56E-07	4.50E-08	5.12E-08	1.15E-06
1016	490786.72	3861235.12	1.82E-03	1.96E-03	3.10E-03	6.29E-07	1.90E-06	1.10E-06	1.19E-06	1.07E-06	4.90E-07	7.76E-07	2.10E-08	5.07E-07	1.12E-07	1.61E-07	2.55E-07	4.50E-08	5.12E-08	1.15E-06
1017	490836.72	3861235.12	1.81E-03	1.96E-03	3.09E-03	6.27E-07	1.89E-06	1.10E-06	1.18E-06	1.07E-06	4.89E-07	7.74E-07	2.10E-08	5.06E-07	1.12E-07	1.61E-07	2.55E-07	4.49E-08	5.11E-08	1.15E-06
1018	490086.72	3861285.12	1.75E-03	1.89E-03	2.98E-03	6.06E-07	1.83E-06	1.06E-06	1.14E-06	1.03E-06	4.72E-07	7.45E-07	2.02E-08	4.88E-07	1.08E-07	1.55E-07	2.46E-07	4.33E-08	4.91E-08	1.11E-06
1019	490136.72	3861285.12	1.76E-03	1.89E-03	2.99E-03	6.08E-07	1.84E-06	1.06E-06	1.15E-06	1.04E-06	4.74E-07	7.48E-07	2.03E-08	4.90E-07	1.08E-07	1.56E-07	2.47E-07	4.35E-08	4.93E-08	1.11E-06
1020	490186.72	3861285.12	1.76E-03	1.89E-03	2.99E-03	6.08E-07	1.84E-06	1.06E-06	1.15E-06	1.04E-06	4.74E-07	7.48E-07	2.03E-08	4.91E-07	1.08E-07	1.56E-07	2.47E-07	4.35E-08	4.94E-08	1.11E-06
1021	490236.72	3861285.12	1.76E-03	1.90E-03	3.00E-03	6.09E-07	1.84E-06	1.06E-06	1.15E-06	1.04E-06	4.75E-07	7.50E-07	2.03E-08	4.91E-07	1.08E-07	1.56E-07	2.47E-07	4.36E-08	4.95E-08	1.12E-06
1022	490386.72	3861285.12	1.77E-03	1.91E-03	3.01E-03	6.13E-07	1.85E-06	1.07E-06	1.16E-06	1.05E-06	4.78E-07	7.55E-07	2.05E-08	4.94E-07	1.09E-07	1.57E-07	2.49E-07	4.38E-08	4.98E-08	1.12E-06
1023	490436.72	3861285.12	1.77E-03	1.91E-03	3.02E-03	6.14E-07	1.85E-06	1.07E-06	1.16E-06	1.05E-06	4.79E-07	7.56E-07	2.05E-08	4.95E-07	1.09E-07	1.57E-07	2.49E-07	4.39E-08	4.99E-08	1.13E-06
1024	490486.72	3861285.12	1.78E-03	1.92E-03	3.03E-03	6.15E-07	1.86E-06	1.07E-06	1.16E-06	1.05E-06	4.79E-07	7.57E-07	2.05E-08	4.96E-07	1.09E-07	1.57E-07	2.50E-07	4.40E-08	5.00E-08	1.13E-06
1025	490536.72	3861285.12	1.78E-03	1.92E-03	3.03E-03	6.16E-07	1.86E-06	1.08E-06	1.16E-06	1.05E-06	4.80E-07	7.59E-07	2.06E-08	4.97E-07	1.10E-07	1.58E-07	2.50E-07	4.41E-08	5.01E-08	1.13E-06
1026	490586.72	3861285.12	1.78E-03	1.92E-03	3.04E-03	6.17E-07	1.86E-06	1.08E-06	1.16E-06	1.05E-06	4.81E-07	7.60E-07	2.06E-08	4.98E-07	1.10E-07	1.58E-07	2.51E-07	4.42E-08	5.02E-08	1.13E-06
1027	490636.72	3861285.12	1.78E-03	1.92E-03	3.04E-03	6.16E-07	1.86E-06	1.08E-06	1.16E-06	1.05E-06	4.81E-07	7.60E-07	2.06E-08	4.97E-07	1.10E-07	1.58E-07	2.50E-07	4.41E-08	5.01E-08	1.13E-06
1028	490686.72	3861285.12	1.78E-03	1.92E-03	3.04E-03	6.16E-07	1.86E-06	1.08E-06	1.16E-06	1.05E-06	4.81E-07	7.60E-07	2.06E-08	4.97E-07	1.10E-07	1.58E-07	2.50E-07	4.41E-08	5.01E-08	1.13E-06
1029	490736.72	3861285.12	1.78E-03	1.92E-03	3.04E-03	6.17E-07	1.86E-06	1.08E-06	1.16E-06	1.06E-06	4.82E-07	7.61E-07	2.06E-08	4.98E-07	1.10E-07	1.58E-07	2.51E-07	4.42E-08	5.02E-08	1.13E-06
1030	490786.72	3861285.12	1.78E-03	1.92E-03	3.04E-03	6.17E-07	1.86E-06	1.08E-06	1.16E-06	1.05E-06	4.81E-07	7.61E-07	2.06E-08	4.98E-07	1.10E-07	1.58E-07	2.51E-07	4.42E-08	5.02E-08	1.13E-06
1031	490836.72	3861285.12	1.78E-03	1.92E-03	3.03E-03	6.15E-07	1.86E-06	1.08E-06	1.16E-06	1.05E-06	4.80E-07	7.59E-07	2.06E-08	4.96E-07	1.10E-07	1.58E-07	2.50E-07	4.41E-08	5.01E-08	1.13E-06
1032	490061.24	3859716.13	3.88E-03	4.18E-03	6.57E-03	1.34E-06	4.05E-06	2.35E-06	2.53E-06	2.29E-06	1.05E-06	1.64E-06	4.48E-08	1.08E-06	2.39E-07	3.44E-07	5.45E-07	9.60E-08	1.08E-07	2.46E-06
1033	490111.24	3859716.13	3.89E-03	4.19E-03	6.59E-03	1.35E-06	4.06E-06	2.35E-06	2.54E-06	2.30E-06	1.05E-06	1.65E-06	4.50E-08	1.09E-06	2.40E-07	3.44E-07	5.46E-07	9.63E-08	1.09E-07	2.47E-06
1034	490161.24	3859716.13	3.90E-03	4.20E-03	6.60E-03	1.35E-06	4.08E-06	2.36E-06	2.54E-06	2.30E-06	1.05E-06	1.65E-06	4.51E-08	1.09E-06	2.40E-07	3.45E-07	5.48E-07	9.65E-08	1.09E-07	2.47E-06
1035	490211.24	3859716.13	3.91E-03	4.21E-03	6.62E-03	1.35E-06	4.08E-06	2.36E-06	2.55E-06	2.31E-06	1.05E-06	1.66E-06	4.52E-08	1.09E-06	2.41E-07	3.46E-07	5.49E-07	9.67E-08	1.09E-07	2.48E-06
1036	490061.24	3859766.13	3.73E-03	4.02E-03	6.32E-03	1.29E-06	3.89E-06	2.25E-06	2.43E-06	2.20E-06	1.01E-06	1.58E-06	4.31E-08	1.04E-06	2.30E-07	3.30E-07	5.23E-07	9.23E-08	1.04E-07	2.36E-06
1037	490111.24	3859766.13	3.73E-03	4.02E-03	6.32E-03	1.29E-06	3.90E-06	2.26E-06	2.43E-06	2.20E-06	1.01E-06	1.58E-06	4.31E-08	1.04E-06	2.30E-07	3.30E-07	5.24E-07	9.23E-08	1.04E-07	2.36E-06
1038	490161.24	3859766.13	3.73E-03	4.02E-03	6.33E-03	1.29E-06	3.90E-06	2.26E-06	2.43E-06	2.21E-06	1.01E-06	1.58E-06	4.31E-08	1.04E-06	2.30E-07	3.31E-07	5.24E-07	9.24E-08	1.04E-07	2.37E-06
1039	490211.24	3859766.13	3.74E-03	4.03E-03	6.34E-03	1.29E-06	3.91E-06	2.26E-06	2.44E-06	2.21E-06	1.01E-06	1.59E-06	4.32E-08	1.04E-06	2.30E-07	3.31E-07	5.26E-07	9.26E-08	1.05E-07	2.37E-06
1040	490061.24	3859816.13	3.59E-03	3.87E-03	6.09E-03	1.24E-06	3.75E-06	2.17E-06	2.34E-06	2.12E-06	9.68E-07	1.52E-06	4.15E-08	1.00E-06	2.21E-07	3.18E-07	5.04E-07	8.89E-08	1.01E-07	2.28E-06
1041	490111.24	3859816.13	3.58E-03	3.86E-03	6.08E-03	1.24E-06	3.75E-06	2.17E-06	2.34E-06	2.12E-06	9.67E-07	1.52E-06	4.14E-08	1.00E-06	2.21E-07	3.18E-07	5.04E-07	8.88E-08	1.00E-07	2.27E-06
1042	490161.24	3859816.13	3.59E-03	3.87E-03	6.08E-03	1.24E-06	3.75E-06	2.17E-06	2.34E-06	2.12E-06	9.67E-07	1.52E-06	4.14E-08	1.00E-06	2.21E-07	3.18E-07	5.04E-07	8.88E-08	1.00E-07	2.27E-06
1043	490211.24	3859816.13	3.59E-03	3.87E-03	6.09E-03	1.24E-06	3.75E-06	2.17E-06	2.34E-06	2.12E-06	9.68E-07	1.52E-06	4.15E-08	1.00E-06	2.21E-07	3.18E-07	5.04E-07	8.89E-08	1.00E-07	2.28E-06
1044	490061.24	3859866.13	3.47E-03	3.74E-03	5.89E-03	1.20E-06	3.62E-06	2.10E-06	2.26E-06	2.05E-06	9.36E-07	1.47E-06	4.01E-08	9.68E-07	2.14E-07	3.07E-07	4.87E-07	8.59E-08	9.72E-08	2.20E-06
1045	490111.24	3859866.13	3.46E-03	3.73E-03	5.87E-03	1.20E-06	3.62E-06	2.09E-06	2.26E-06	2.05E-06	9.34E-07	1.47E-06	4.00E-08	9.66E-07	2.13E-07	3.06E-07	4.86E-07	8.57E-08	9.70E-08	2.19E-06
1046	490161.24	3859866.13	3.46E-03	3.73E-03	5.87E-03	1.20E-06	3.61E-06	2.09E-06	2.25E-06	2.04E-06	9.33E-07	1.47E-06	3.99E-08	9.65E-07	2.13E-07	3.06E-07	4.86E-07	8.56E-08	9.68E-08	2.19E-06
1047	490211.24	3859866.13	3.46E-03	3.73E-03	5.87E-03	1.20E-06	3.61E-06	2.09E-06	2.25E-06	2.04E-06	9.32E-07	1.47E-06	3.99E-08	9.65E-07	2.13E-07	3.06E-07	4.86E-07	8.56E-08	9.68E-08	2.19E-06
1048	490061.24	3859916.13	3.36E-03	3.62E-03	5.71E-03	1.16E-06	3.51E-06	2.03E-06	2.19E-06	1.99E-06	9.07E-07	1.43E-06	3.88E-08	9.38E-07	2.07E-07	2.98E-07	4.72E-07	8.32E-08	9.42E-08	2.13E-06
1049	490111.24	3859916.13	3.35E-03	3.61E-03	5.69E-03	1.16E-06	3.50E-06	2.03E-06	2.18E-06	1.98E-06	9.04E-07	1.42E-06	3.87E-08	9.35E-07	2.06E-07	2.97E-07	4.71E-07	8.29E-08	9.39E-08	2.12E-06
1050	490161.24	3859916.13	3.34E-03	3.60E-03	5.67E-03	1.16E-06	3.49E-06	2.02E-06	2.18E-06	1.98E-06	9.01E-07	1.42E-06	3.86E-08	9.33E-07	2.06E-07	2.96E-07	4.69E-07	8.27E-08	9.37E-08	2.12E-06
1051	490211.24	3859916.13	3.33E-03	3.60E-03	5.66E-03	1.15E-06	3.49E-06	2.02E-06	2.18E-06	1.97E-06	9.00E-07	1.42E-06	3.85E-08	9.31E-07	2.05E-07	2.95E-07	4.69E-07	8.26E-08	9.35E-08	2.12E-06
1052	490229.25	3859815.26	3.60E-03	3.88E-03	6.10E-03	1.24E-06	3.76E-06	2.18E-06	2.35E-06	2.13E-06	9.70E-07	1.53E-06	4.16E-08	1.00E-06	2.22E-07	3.18E-07	5.05E-07	8.90E-08	1.01E-07	2.28E-06
1053	490279.25	3859815.26	3.60E-03	3.88E-03	6.11E-03	1.25E-06	3.76E-06	2.18E-06	2.35E-06	2.13E-06	9.72E-07	1.53E-06	4.16E-08	1.01E-06	2.22E-07	3.19E-07	5.06E-07	8.92E-08	1.01E-07	2.28E-06
1054	490329.25	3859815.26	3.61E-03	3.89E-03	6.12E-03	1.25E-06	3.77E-06	2.18E-06	2.35E-06	2.13E-06	9.74E-07	1.53E-06	4.17E-08	1.01E-06	2.22E-07	3.20E-07	5.07E-07	8.94E-08	1.01E-07	2.29E-06
1055	490379.25	3859815.26	3.62E-03	3.91E-03	6.14E-03	1.25E-06	3.79E-06	2.19E-06	2.36E-06	2.14E-06	9.78E-07	1.54E-06	4.19E-08	1.01E-06	2.23E-07	3.21E-07	5.09E-07	8.97E-08	1.01E-07	2.30E-06

1056	490429.25	3859815.26	3.64E-03	3.93E-03	6.18E-03	1.26E-06	3.81E-06	2.20E-06	2.38E-06	2.15E-06	9.83E-07	1.55E-06	4.21E-08	1.02E-06	2.24E-07	3.23E-07	5.12E-07	9.02E-08	1.02E-07	2.31E-06
1057	490229.25	3859865.26	3.46E-03	3.73E-03	5.87E-03	1.20E-06	3.61E-06	2.09E-06	2.26E-06	2.05E-06	9.33E-07	1.47E-06	4.00E-08	9.66E-07	2.13E-07	3.06E-07	4.86E-07	8.56E-08	9.69E-08	2.19E-06
1058	490279.25	3859865.26	3.46E-03	3.73E-03	5.87E-03	1.20E-06	3.62E-06	2.09E-06	2.26E-06	2.05E-06	9.34E-07	1.47E-06	4.00E-08	9.66E-07	2.13E-07	3.07E-07	4.86E-07	8.57E-08	9.70E-08	2.20E-06
1059	490329.25	3859865.26	3.47E-03	3.74E-03	5.88E-03	1.20E-06	3.62E-06	2.10E-06	2.26E-06	2.05E-06	9.35E-07	1.47E-06	4.01E-08	9.68E-07	2.14E-07	3.07E-07	4.87E-07	8.58E-08	9.71E-08	2.20E-06
1060	490379.25	3859865.26	3.47E-03	3.75E-03	5.90E-03	1.20E-06	3.63E-06	2.10E-06	2.27E-06	2.05E-06	9.38E-07	1.48E-06	4.02E-08	9.70E-07	2.14E-07	3.08E-07	4.88E-07	8.60E-08	9.73E-08	2.20E-06
1061	490429.25	3859865.26	3.49E-03	3.76E-03	5.92E-03	1.21E-06	3.64E-06	2.11E-06	2.27E-06	2.06E-06	9.41E-07	1.48E-06	4.03E-08	9.74E-07	2.15E-07	3.09E-07	4.90E-07	8.63E-08	9.77E-08	2.21E-06
1062	490229.25	3859915.26	3.34E-03	3.60E-03	5.67E-03	1.15E-06	3.49E-06	2.02E-06	2.18E-06	1.97E-06	9.00E-07	1.42E-06	3.86E-08	9.31E-07	2.06E-07	2.95E-07	4.69E-07	8.26E-08	9.35E-08	2.12E-06
1063	490279.25	3859915.26	3.33E-03	3.59E-03	5.66E-03	1.15E-06	3.48E-06	2.02E-06	2.17E-06	1.97E-06	8.99E-07	1.42E-06	3.85E-08	9.31E-07	2.05E-07	2.95E-07	4.68E-07	8.25E-08	9.34E-08	2.11E-06
1064	490329.25	3859915.26	3.33E-03	3.60E-03	5.66E-03	1.15E-06	3.49E-06	2.02E-06	2.18E-06	1.97E-06	9.00E-07	1.42E-06	3.85E-08	9.31E-07	2.05E-07	2.95E-07	4.69E-07	8.26E-08	9.35E-08	2.11E-06
1065	490379.25	3859915.26	3.34E-03	3.60E-03	5.67E-03	1.16E-06	3.49E-06	2.02E-06	2.18E-06	1.98E-06	9.01E-07	1.42E-06	3.86E-08	9.32E-07	2.06E-07	2.96E-07	4.69E-07	8.27E-08	9.36E-08	2.12E-06
1066	490429.25	3859915.26	3.35E-03	3.61E-03	5.68E-03	1.16E-06	3.50E-06	2.02E-06	2.18E-06	1.98E-06	9.03E-07	1.42E-06	3.87E-08	9.34E-07	2.06E-07	2.96E-07	4.70E-07	8.29E-08	9.38E-08	2.12E-06
1067	490451.43	3859872.59	3.47E-03	3.74E-03	5.89E-03	1.20E-06	3.63E-06	2.10E-06	2.26E-06	2.05E-06	9.36E-07	1.47E-06	4.01E-08	9.69E-07	2.14E-07	3.07E-07	4.88E-07	8.59E-08	9.72E-08	2.20E-06
1068	490501.43	3859872.59	3.49E-03	3.76E-03	5.92E-03	1.21E-06	3.65E-06	2.11E-06	2.28E-06	2.06E-06	9.41E-07	1.48E-06	4.03E-08	9.74E-07	2.15E-07	3.09E-07	4.90E-07	8.64E-08	9.77E-08	2.21E-06
1069	490551.43	3859872.59	3.51E-03	3.79E-03	5.96E-03	1.22E-06	3.67E-06	2.12E-06	2.29E-06	2.08E-06	9.47E-07	1.49E-06	4.06E-08	9.80E-07	2.16E-07	3.11E-07	4.93E-07	8.69E-08	9.84E-08	2.23E-06
1070	490601.43	3859872.59	3.53E-03	3.81E-03	6.00E-03	1.22E-06	3.69E-06	2.14E-06	2.31E-06	2.09E-06	9.53E-07	1.50E-06	4.08E-08	9.87E-07	2.18E-07	3.13E-07	4.96E-07	8.75E-08	9.91E-08	2.24E-06
1071	490451.43	3859922.59	3.33E-03	3.59E-03	5.66E-03	1.15E-06	3.48E-06	2.02E-06	2.17E-06	1.97E-06	8.99E-07	1.42E-06	3.85E-08	9.30E-07	2.05E-07	2.95E-07	4.68E-07	8.25E-08	9.34E-08	2.11E-06
1072	490501.43	3859922.59	3.34E-03	3.60E-03	5.68E-03	1.16E-06	3.49E-06	2.02E-06	2.18E-06	1.98E-06	9.02E-07	1.42E-06	3.86E-08	9.33E-07	2.06E-07	2.96E-07	4.70E-07	8.28E-08	9.37E-08	2.12E-06
1073	490551.43	3859922.59	3.36E-03	3.62E-03	5.71E-03	1.16E-06	3.51E-06	2.03E-06	2.19E-06	1.99E-06	9.07E-07	1.43E-06	3.89E-08	9.39E-07	2.07E-07	2.98E-07	4.72E-07	8.32E-08	9.42E-08	2.13E-06
1074	490601.43	3859922.59	3.38E-03	3.65E-03	5.75E-03	1.17E-06	3.54E-06	2.05E-06	2.21E-06	2.00E-06	9.13E-07	1.44E-06	3.91E-08	9.45E-07	2.08E-07	3.00E-07	4.75E-07	8.38E-08	9.49E-08	2.15E-06
1075	482129.67	3852241.07	1.45E-03	1.56E-03	2.43E-03	5.01E-07	1.51E-06	8.76E-07	9.43E-07	8.55E-07	3.90E-07	6.08E-07	1.67E-08	4.04E-07	8.92E-08	1.28E-07	2.03E-07	3.58E-08	4.01E-08	9.17E-07
1076	482029.67	3852291.07	1.55E-03	1.67E-03	2.61E-03	5.37E-07	1.62E-06	9.38E-07	1.01E-06	9.16E-07	4.18E-07	6.53E-07	1.79E-08	4.33E-07	9.55E-08	1.37E-07	2.18E-07	3.83E-08	4.31E-08	9.82E-07
1077	482079.67	3852291.07	1.53E-03	1.65E-03	2.58E-03	5.30E-07	1.60E-06	9.27E-07	9.98E-07	9.05E-07	4.13E-07	6.45E-07	1.77E-08	4.28E-07	9.44E-08	1.36E-07	2.15E-07	3.79E-08	4.25E-08	9.71E-07
1078	482129.67	3852291.07	1.51E-03	1.63E-03	2.54E-03	5.23E-07	1.58E-06	9.15E-07	9.85E-07	8.93E-07	4.07E-07	6.36E-07	1.75E-08	4.22E-07	9.31E-08	1.34E-07	2.12E-07	3.74E-08	4.20E-08	9.58E-07
1079	482179.67	3852291.07	1.48E-03	1.59E-03	2.48E-03	5.11E-07	1.54E-06	8.93E-07	9.62E-07	8.72E-07	3.98E-07	6.20E-07	1.71E-08	4.12E-07	9.10E-08	1.31E-07	2.07E-07	3.65E-08	4.09E-08	9.35E-07
1080	482229.67	3852291.07	1.44E-03	1.55E-03	2.42E-03	4.99E-07	1.51E-06	8.73E-07	9.40E-07	8.52E-07	3.89E-07	6.07E-07	1.67E-08	4.03E-07	8.88E-08	1.28E-07	2.02E-07	3.57E-08	4.00E-08	9.14E-07
1081	482029.67	3852341.07	1.61E-03	1.73E-03	2.70E-03	5.56E-07	1.68E-06	9.72E-07	1.05E-06	9.49E-07	4.33E-07	6.76E-07	1.86E-08	4.48E-07	9.90E-08	1.42E-07	2.25E-07	3.97E-08	4.46E-08	1.02E-06
1082	482079.67	3852341.07	1.59E-03	1.71E-03	2.67E-03	5.49E-07	1.66E-06	9.60E-07	1.03E-06	9.38E-07	4.28E-07	6.68E-07	1.83E-08	4.43E-07	9.78E-08	1.40E-07	2.23E-07	3.93E-08	4.41E-08	1.01E-06
1083	482129.67	3852341.07	1.57E-03	1.69E-03	2.64E-03	5.43E-07	1.64E-06	9.49E-07	1.02E-06	9.26E-07	4.23E-07	6.60E-07	1.81E-08	4.38E-07	9.66E-08	1.39E-07	2.20E-07	3.88E-08	4.35E-08	9.94E-07
1084	482179.67	3852341.07	1.55E-03	1.67E-03	2.60E-03	5.35E-07	1.62E-06	9.36E-07	1.01E-06	9.13E-07	4.17E-07	6.50E-07	1.79E-08	4.32E-07	9.53E-08	1.37E-07	2.17E-07	3.82E-08	4.29E-08	9.80E-07
1085	482259.06	3852400.14	1.59E-03	1.72E-03	2.67E-03	5.52E-07	1.67E-06	9.64E-07	1.04E-06	9.41E-07	4.29E-07	6.68E-07	1.84E-08	4.45E-07	9.82E-08	1.41E-07	2.24E-07	3.94E-08	4.41E-08	1.01E-06
1086	482309.06	3852400.14	1.55E-03	1.67E-03	2.61E-03	5.38E-07	1.63E-06	9.41E-07	1.01E-06	9.18E-07	4.19E-07	6.52E-07	1.80E-08	4.34E-07	9.58E-08	1.38E-07	2.18E-07	3.84E-08	4.30E-08	9.85E-07
1087	482209.06	3852450.14	1.67E-03	1.80E-03	2.80E-03	5.78E-07	1.75E-06	1.01E-06	1.09E-06	9.86E-07	4.50E-07	7.01E-07	1.93E-08	4.66E-07	1.03E-07	1.48E-07	2.34E-07	4.13E-08	4.62E-08	1.06E-06
1088	482259.06	3852450.14	1.65E-03	1.78E-03	2.77E-03	5.72E-07	1.73E-06	9.99E-07	1.08E-06	9.75E-07	4.45E-07	6.93E-07	1.91E-08	4.61E-07	1.02E-07	1.46E-07	2.32E-07	4.08E-08	4.57E-08	1.05E-06
1089	482309.06	3852450.14	1.63E-03	1.75E-03	2.73E-03	5.64E-07	1.70E-06	9.86E-07	1.06E-06	9.62E-07	4.39E-07	6.84E-07	1.88E-08	4.55E-07	1.00E-07	1.44E-07	2.29E-07	4.03E-08	4.51E-08	1.03E-06
1090	482209.06	3852500.14	1.73E-03	1.86E-03	2.90E-03	5.99E-07	1.81E-06	1.05E-06	1.13E-06	1.02E-06	4.66E-07	7.27E-07	2.00E-08	4.83E-07	1.07E-07	1.53E-07	2.43E-07	4.28E-08	4.79E-08	1.10E-06
1091	482259.06	3852500.14	1.71E-03	1.84E-03	2.87E-03	5.92E-07	1.79E-06	1.04E-06	1.11E-06	1.01E-06	4.61E-07	7.18E-07	1.98E-08	4.78E-07	1.05E-07	1.51E-07	2.40E-07	4.23E-08	4.74E-08	1.08E-06
1092	482309.06	3852500.14	1.69E-03	1.82E-03	2.84E-03	5.85E-07	1.77E-06	1.02E-06	1.10E-06	9.99E-07	4.56E-07	7.10E-07	1.96E-08	4.72E-07	1.04E-07	1.50E-07	2.37E-07	4.18E-08	4.68E-08	1.07E-06
1093	482283.91	3852513.62	1.72E-03	1.85E-03	2.88E-03	5.95E-07	1.80E-06	1.04E-06	1.12E-06	1.01E-06	4.63E-07	7.21E-07	1.99E-08	4.80E-07	1.06E-07	1.52E-07	2.41E-07	4.25E-08	4.76E-08	1.09E-06
1094	482333.91	3852513.62	1.70E-03	1.83E-03	2.85E-03	5.89E-07	1.78E-06	1.03E-06	1.11E-06	1.00E-06	4.58E-07	7.13E-07	1.97E-08	4.75E-07	1.05E-07	1.50E-07	2.39E-07	4.20E-08	4.70E-08	1.08E-06
1095	482283.91	3852563.62	1.78E-03	1.92E-03	2.99E-03	6.17E-07	1.86E-06	1.08E-06	1.16E-06	1.05E-06	4.80E-07	7.48E-07	2.06E-08	4.98E-07	1.10E-07	1.58E-07	2.50E-07	4.41E-08	4.93E-08	1.13E-06
1096	482333.91	3852563.62	1.77E-03	1.90E-03	2.96E-03	6.11E-07	1.85E-06	1.07E-06	1.15E-06	1.04E-06	4.76E-07	7.40E-07	2.04E-08	4.93E-07	1.09E-07	1.56E-07	2.48E-07	4.37E-08	4.88E-08	1.12E-06
1097	482383.91	3852563.62	1.75E-03	1.88E-03	2.93E-03	6.06E-07	1.83E-06	1.06E-06	1.14E-06	1.03E-06	4.72E-07	7.34E-07	2.02E-08	4.89E-07	1.08E-07	1.55E-07	2.46E-07	4.33E-08	4.84E-08	1.11E-06
1098	482283.91	3852613.62	1.85E-03	1.99E-03	3.10E-03	6.40E-07	1.93E-06	1.12E-06	1.20E-06	1.09E-06	4.98E-07	7.76E-07	2.14E-08	5.17E-07	1.14E-07	1.64E-07	2.60E-07	4.57E-08	5.12E-08	1.17E-06
1099	482333.91	3852613.62	1.83E-03	1.97E-03	3.07E-03	6.34E-07	1.91E-06	1.11E-06	1.19E-06	1.08E-06	4.93E-07	7.68E-07	2.12E-08	5.11E-07	1.13E-07	1.62E-07	2.57E-07	4.53E-08	5.07E-08	1.16E-06
1100	482383.91	3852613.62	1.82E-03	1.96E-03	3.04E-03	6.29E-07	1.90E-06	1.10E-06	1.18E-06	1.07E-06	4.89E-07	7.61E-07	2.10E-08	5.07E-07	1.12E-07	1.61E-07	2.55E-07	4.49E-08	5.02E-08	1.15E-06
1101	482602.38	3852600.87	1.72E-03	1.86E-03	2.89E-03	5.97E-07	1.80E-06	1.04E-06	1.12E-06	1.02E-06	4.65E-07	7.24E-07	1.99E-08	4.82E-07	1.06E-07	1.53E-07	2.42E-07	4.26E-08	4.77E-08	1.09E-06
1102	482652.38	3852600.87	1.71E-03	1.84E-03	2.87E-03	5.92E-07	1.79E-06	1.04E-06	1.11E-06	1.01E-06	4.61E-07	7.19E-07	1.98E-08	4.78E-07	1.05E-07	1.51E-07	2.40E-07	4.23E-08	4.74E-08	1.08E-06
1103	482702.38	3852600.87	1.67E-03	1.80E-03	2.81E-03	5.77E-07	1.74E-06	1.01E-06	1.09E-06	9.85E-07	4.50E-07	7.02E-07	1.93E-08	4.66E-07	1.03E-07	1.48E-07	2.34E-07	4.13E-08	4.63E-08	1.06E-06
1104	482552.38	3852650.87	1.83E-03	1.97E-03	3.06E-03	6.33E-07	1.91E-06	1.11E-06	1.19E-06	1.08E-06	4.93E-07	7.67E-07	2.11E-08	5.11E-07	1.13E-07	1.62E-07	2.57E-07	4.52E-08	5.06E-08	1.16E-06
1105	482602.38	3852650.87	1.81E-03	1.94E-03	3.02E-03	6.25E-07	1.89E-06	1.09E-06	1.18E-06	1.07E-06	4.87E-07	7.57E-07	2.09E-08	5.04E-07	1.11E-07	1.60E-07	2.53E-07	4.46E-08	4.99E-08	1.14E-06
1106	482652.38	3852650.87	1.80E-03	1.93E-03	3.01E-03	6.22E-07	1.88E-06	1.09E-06	1.17E-06	1.06E-06	4.84E-07	7.53E-07	2.08E-08	5.02E-07	1.11E-07	1.59E-07	2.52E-07	4.44E-08	4.97E-08	1.14E-06
1107	482702.38	3852650.87	1.78E-03	1.92E-03	2.99E-03	6.17E-07	1.86E-06	1.08E-06	1.16E-06	1.05E-06	4.80E-07	7.48E-07	2.06E-08	4.98E-07	1.10E-07	1.58E-07	2.50E-07	4.41E-08	4.93E-08	1.13E-06
1108	482552.38	3852700.87	1.90E-03	2.05E-03	3.18E-03	6.58E-07	1.99E-06	1.15E-06	1.24E-06	1.12E-06	5.12E-07	7.96E-07	2.20E-08	5.31E-07	1.17E-07	1.68E-07	2.67E-07	4.70E-08	5.25E-08	1.20E-06
1109	482602.38	3852700.87	1.90E-03	2.04E-03	3.17E-03	6.56E-07	1.98E-06	1.15E-06	1.23E-06	1.12E-06	5.11E-07	7.94E-07	2.19E-08	5.30E-07	1.17E-07	1.68E-07	2.66E-07	4.69E-08	5.24E-08	1.20E-06
1110	482652.38	3852700.87	1.90E-03	2.04E-03	3.17E-03	6.57E-07	1.98E-06	1.15E-06	1.24E-06	1.12E-06	5.11E-07	7.94E-07	2.19E-08	5.30E-07	1.17E-07	1.68E-07	2.66E-07	4.69E-08	5.24E-08	1.20E-06
1111	482702.38	3852700.87	1.89E-03	2.03E-03	3.16E-03	6.53E-07	1.97E-06	1.14E-06	1.23E-06	1.11E-06	5.08E-07	7.90E-07	2.18E-08	5.27E-07	1.16E-07	1.67E-07	2.64E-07	4.66E-08	5.21E-08	1.19E-06
1112	482452.38	3852750.87	1.99E-03	2.15E-03	3.34E-03	6.90E-07	2.08E-06	1.21E-06	1.30E-06	1.18E-06	5.37E-07	8.35E-07	2.30E-08	5.57E-07	1.23E-07	1.76E-07	2.80E-07	4.93E-08	5.51E-08	1.26E-06
1113	482521.29	3852749.74	1.98E-03	2.13E-03	3.31E-03	6.85E-07	2.07E-06	1.20E-06	1.29E-06	1.17E-06	5.33E-07	8.29E-07	2.29E-08	5.53E-07	1.22E-07	1.75E-07	2.78E-07	4.89E-08	5.47E-08	1.25E-06
1114	482571.29	3852749.74	1.97E-03	2.12E-03	3.30E-03	6.83E-07	2.06E-06	1.19E-06	1.29E-06	1.17E-06	5.32E-07	8.26E-07	2.28E-08	5.51E-07	1.22E-07	1.75E-07	2.77E-07	4.88E-08	5.45E-08	1.25E-06

1115	482521.29	3852799.74	2.06E-03	2.21E-03	3.44E-03	7.12E-07	2.15E-06	1.24E-06	1.34E-06	1.21E-06	5.54E-07	8.61E-07	2.38E-08	5.74E-07	1.27E-07	1.82E-07	2.88E-07	5.08E-08	5.68E-08	1.30E-06
1116	482571.29	3852799.74	2.05E-03	2.21E-03	3.43E-03	7.11E-07	2.15E-06	1.24E-06	1.34E-06	1.21E-06	5.53E-07	8.59E-07	2.37E-08	5.73E-07	1.26E-07	1.81E-07	2.88E-07	5.07E-08	5.67E-08	1.30E-06
1117	482621.29	3852799.74	2.05E-03	2.21E-03	3.43E-03	7.10E-07	2.14E-06	1.24E-06	1.34E-06	1.21E-06	5.52E-07	8.58E-07	2.37E-08	5.73E-07	1.26E-07	1.81E-07	2.88E-07	5.07E-08	5.66E-08	1.30E-06
1118	482571.29	3852849.74	2.13E-03	2.30E-03	3.57E-03	7.39E-07	2.23E-06	1.29E-06	1.39E-06	1.26E-06	5.75E-07	8.93E-07	2.47E-08	5.96E-07	1.31E-07	1.89E-07	2.99E-07	5.27E-08	5.89E-08	1.35E-06
1119	482621.29	3852849.74	2.13E-03	2.30E-03	3.57E-03	7.38E-07	2.23E-06	1.29E-06	1.39E-06	1.26E-06	5.74E-07	8.92E-07	2.47E-08	5.96E-07	1.31E-07	1.89E-07	2.99E-07	5.27E-08	5.89E-08	1.35E-06
1120	482577.42	3852901.55	2.22E-03	2.39E-03	3.72E-03	7.70E-07	2.33E-06	1.35E-06	1.45E-06	1.31E-06	5.99E-07	9.31E-07	2.57E-08	6.21E-07	1.37E-07	1.97E-07	3.12E-07	5.50E-08	6.14E-08	1.41E-06
1121	482627.42	3852901.55	2.22E-03	2.39E-03	3.72E-03	7.70E-07	2.33E-06	1.35E-06	1.45E-06	1.31E-06	5.99E-07	9.30E-07	2.57E-08	6.21E-07	1.37E-07	1.97E-07	3.12E-07	5.50E-08	6.14E-08	1.41E-06
1122	482629.96	3852955.85	2.33E-03	2.51E-03	3.89E-03	8.06E-07	2.43E-06	1.41E-06	1.52E-06	1.37E-06	6.27E-07	9.73E-07	2.69E-08	6.50E-07	1.43E-07	2.06E-07	3.26E-07	5.75E-08	6.42E-08	1.47E-06
1123	482679.96	3852955.85	2.33E-03	2.51E-03	3.89E-03	8.06E-07	2.43E-06	1.41E-06	1.52E-06	1.37E-06	6.27E-07	9.73E-07	2.69E-08	6.50E-07	1.44E-07	2.06E-07	3.27E-07	5.76E-08	6.42E-08	1.47E-06
1124	482781.63	3853034.48	2.48E-03	2.67E-03	4.14E-03	8.58E-07	2.59E-06	1.50E-06	1.61E-06	1.46E-06	6.68E-07	1.04E-06	2.87E-08	6.92E-07	1.53E-07	2.19E-07	3.48E-07	6.13E-08	6.83E-08	1.57E-06
1125	482831.63	3853034.48	2.45E-03	2.63E-03	4.09E-03	8.47E-07	2.56E-06	1.48E-06	1.59E-06	1.44E-06	6.59E-07	1.02E-06	2.83E-08	6.83E-07	1.51E-07	2.16E-07	3.43E-07	6.05E-08	6.75E-08	1.55E-06
1126	482881.63	3853034.48	2.41E-03	2.60E-03	4.03E-03	8.35E-07	2.52E-06	1.46E-06	1.57E-06	1.42E-06	6.49E-07	1.01E-06	2.79E-08	6.73E-07	1.49E-07	2.13E-07	3.38E-07	5.96E-08	6.65E-08	1.53E-06
1127	482781.63	3853084.48	2.61E-03	2.81E-03	4.35E-03	9.03E-07	2.73E-06	1.58E-06	1.70E-06	1.54E-06	7.02E-07	1.09E-06	3.02E-08	7.28E-07	1.61E-07	2.30E-07	3.66E-07	6.44E-08	7.17E-08	1.65E-06
1128	482831.63	3853084.48	2.58E-03	2.77E-03	4.29E-03	8.92E-07	2.69E-06	1.56E-06	1.68E-06	1.52E-06	6.93E-07	1.07E-06	2.98E-08	7.19E-07	1.59E-07	2.28E-07	3.61E-07	6.36E-08	7.09E-08	1.63E-06
1129	482881.63	3853084.48	2.54E-03	2.73E-03	4.23E-03	8.78E-07	2.65E-06	1.54E-06	1.65E-06	1.50E-06	6.83E-07	1.06E-06	2.93E-08	7.08E-07	1.56E-07	2.24E-07	3.56E-07	6.27E-08	6.99E-08	1.61E-06
1130	482781.63	3853134.48	2.75E-03	2.96E-03	4.58E-03	9.53E-07	2.88E-06	1.67E-06	1.79E-06	1.62E-06	7.41E-07	1.15E-06	3.18E-08	7.69E-07	1.70E-07	2.43E-07	3.86E-07	6.80E-08	7.55E-08	1.74E-06
1131	482831.63	3853134.48	2.72E-03	2.93E-03	4.53E-03	9.41E-07	2.84E-06	1.65E-06	1.77E-06	1.60E-06	7.32E-07	1.13E-06	3.14E-08	7.59E-07	1.68E-07	2.40E-07	3.81E-07	6.72E-08	7.47E-08	1.72E-06
1132	482881.63	3853134.48	2.68E-03	2.88E-03	4.46E-03	9.28E-07	2.80E-06	1.62E-06	1.75E-06	1.58E-06	7.22E-07	1.12E-06	3.10E-08	7.49E-07	1.65E-07	2.37E-07	3.76E-07	6.62E-08	7.37E-08	1.70E-06
1133	482831.63	3853184.48	2.88E-03	3.10E-03	4.78E-03	9.97E-07	3.01E-06	1.74E-06	1.87E-06	1.70E-06	7.75E-07	1.20E-06	3.33E-08	8.05E-07	1.78E-07	2.55E-07	4.04E-07	7.12E-08	7.90E-08	1.82E-06
1134	482881.63	3853184.48	2.84E-03	3.05E-03	4.72E-03	9.83E-07	2.97E-06	1.72E-06	1.85E-06	1.68E-06	7.64E-07	1.18E-06	3.28E-08	7.93E-07	1.75E-07	2.51E-07	3.98E-07	7.01E-08	7.79E-08	1.80E-06
1135	484154.84	3854250.98	9.56E-03	1.04E-02	1.71E-02	3.31E-06	9.99E-06	5.79E-06	6.28E-06	5.69E-06	2.60E-06	4.28E-06	1.11E-07	2.67E-06	5.89E-07	8.52E-07	1.35E-06	2.38E-07	2.82E-07	6.09E-06
1136	484204.84	3854250.98	9.29E-03	1.01E-02	1.66E-02	3.22E-06	9.71E-06	5.62E-06	6.10E-06	5.53E-06	2.52E-06	4.15E-06	1.07E-07	2.59E-06	5.72E-07	8.28E-07	1.31E-06	2.32E-07	2.74E-07	5.92E-06
1137	484154.84	3854300.98	9.91E-03	1.08E-02	1.77E-02	3.43E-06	1.04E-05	6.00E-06	6.51E-06	5.90E-06	2.69E-06	4.43E-06	1.15E-07	2.77E-06	6.11E-07	8.84E-07	1.40E-06	2.47E-07	2.93E-07	6.32E-06
1138	484204.84	3854300.98	9.75E-03	1.06E-02	1.74E-02	3.38E-06	1.02E-05	5.90E-06	6.40E-06	5.80E-06	2.65E-06	4.35E-06	1.13E-07	2.72E-06	6.01E-07	8.69E-07	1.38E-06	2.43E-07	2.87E-07	6.21E-06
1139	484074.19	3854519.8	1.47E-02	1.59E-02	2.58E-02	5.09E-06	1.54E-05	8.90E-06	9.63E-06	8.73E-06	3.98E-06	6.47E-06	1.70E-07	4.10E-06	9.06E-07	1.31E-06	2.07E-06	3.66E-07	4.26E-07	9.35E-06
1140	484124.19	3854519.8	1.40E-02	1.51E-02	2.45E-02	4.83E-06	1.46E-05	8.45E-06	9.15E-06	8.29E-06	3.78E-06	6.14E-06	1.61E-07	3.90E-06	8.60E-07	1.24E-06	1.97E-06	3.47E-07	4.05E-07	8.88E-06
1141	484074.19	3854569.8	1.63E-02	1.76E-02	2.84E-02	5.64E-06	1.70E-05	9.86E-06	1.07E-05	9.67E-06	4.41E-06	7.11E-06	1.88E-07	4.55E-06	1.00E-06	1.45E-06	2.30E-06	4.05E-07	4.69E-07	1.04E-05
1142	484124.19	3854569.8	1.53E-02	1.65E-02	2.67E-02	5.29E-06	1.60E-05	9.25E-06	1.00E-05	9.07E-06	4.14E-06	6.67E-06	1.77E-07	4.27E-06	9.42E-07	1.36E-06	2.16E-06	3.80E-07	4.40E-07	9.72E-06
1143	485205.11	3855188.89	2.66E-02	2.86E-02	4.46E-02	9.21E-06	2.78E-05	1.61E-05	1.73E-05	1.57E-05	7.17E-06	1.12E-05	3.08E-07	7.43E-06	1.64E-06	2.35E-06	3.73E-06	6.58E-07	7.37E-07	1.69E-05
1144	485255.11	3855188.89	2.51E-02	2.70E-02	4.22E-02	8.69E-06	2.62E-05	1.52E-05	1.64E-05	1.48E-05	6.77E-06	1.05E-05	2.90E-07	7.01E-06	1.55E-06	2.22E-06	3.52E-06	6.21E-07	6.96E-07	1.59E-05
1145	485205.11	3855238.89	2.77E-02	2.98E-02	4.64E-02	9.59E-06	2.89E-05	1.68E-05	1.80E-05	1.64E-05	7.46E-06	1.16E-05	3.20E-07	7.73E-06	1.71E-06	2.45E-06	3.89E-06	6.85E-07	7.67E-07	1.75E-05
1146	485255.11	3855238.89	2.67E-02	2.88E-02	4.49E-02	9.25E-06	2.79E-05	1.62E-05	1.74E-05	1.58E-05	7.20E-06	1.12E-05	3.09E-07	7.46E-06	1.65E-06	2.36E-06	3.75E-06	6.61E-07	7.40E-07	1.69E-05
1147	485205.11	3855288.89	3.10E-02	3.33E-02	5.19E-02	1.07E-05	3.24E-05	1.87E-05	2.02E-05	1.83E-05	8.34E-06	1.30E-05	3.58E-07	8.64E-06	1.91E-06	2.74E-06	4.34E-06	7.65E-07	8.57E-07	1.96E-05
1148	485255.11	3855288.89	2.94E-02	3.17E-02	4.94E-02	1.02E-05	3.07E-05	1.78E-05	1.92E-05	1.74E-05	7.93E-06	1.24E-05	3.40E-07	8.21E-06	1.81E-06	2.60E-06	4.13E-06	7.27E-07	8.15E-07	1.86E-05
1149	485255.11	3855338.89	3.24E-02	3.49E-02	5.45E-02	1.12E-05	3.39E-05	1.96E-05	2.11E-05	1.91E-05	8.73E-06	1.36E-05	3.75E-07	9.05E-06	2.00E-06	2.87E-06	4.55E-06	8.01E-07	8.99E-07	2.05E-05
1150	485305.11	3855338.89	3.06E-02	3.30E-02	5.15E-02	1.06E-05	3.20E-05	1.85E-05	2.00E-05	1.81E-05	8.26E-06	1.29E-05	3.54E-07	8.55E-06	1.89E-06	2.71E-06	4.30E-06	7.58E-07	8.50E-07	1.94E-05
1151	485852.5	3855635.28	2.95E-02	3.18E-02	5.02E-02	1.02E-05	3.08E-05	1.78E-05	1.92E-05	1.74E-05	7.96E-06	1.26E-05	3.41E-07	8.23E-06	1.82E-06	2.61E-06	4.15E-06	7.31E-07	8.29E-07	1.87E-05
1152	485902.5	3855635.28	2.81E-02	3.03E-02	4.78E-02	9.72E-06	2.94E-05	1.70E-05	1.83E-05	1.66E-05	7.58E-06	1.20E-05	3.25E-07	7.84E-06	1.73E-06	2.49E-06	3.95E-06	6.96E-07	7.89E-07	1.78E-05
1153	485852.5	3855685.28	3.10E-02	3.35E-02	5.29E-02	1.07E-05	3.24E-05	1.88E-05	2.03E-05	1.84E-05	8.38E-06	1.32E-05	3.59E-07	8.66E-06	1.91E-06	2.75E-06	4.36E-06	7.69E-07	8.73E-07	1.97E-05
1154	485902.5	3855685.28	2.95E-02	3.18E-02	5.03E-02	1.02E-05	3.08E-05	1.79E-05	1.93E-05	1.75E-05	7.97E-06	1.26E-05	3.41E-07	8.24E-06	1.82E-06	2.61E-06	4.15E-06	7.31E-07	8.30E-07	1.87E-05
1155	485852.5	3855735.28	3.27E-02	3.53E-02	5.58E-02	1.13E-05	3.42E-05	1.98E-05	2.13E-05	1.93E-05	8.83E-06	1.40E-05	3.78E-07	9.13E-06	2.01E-06	2.90E-06	4.60E-06	8.10E-07	9.21E-07	2.07E-05
1156	485902.5	3855735.28	3.13E-02	3.38E-02	5.34E-02	1.08E-05	3.27E-05	1.89E-05	2.04E-05	1.85E-05	8.45E-06	1.34E-05	3.62E-07	8.74E-06	1.93E-06	2.77E-06	4.40E-06	7.76E-07	8.82E-07	1.99E-05
1157	485852.5	3855785.28	3.48E-02	3.76E-02	5.95E-02	1.21E-05	3.64E-05	2.11E-05	2.27E-05	2.06E-05	9.40E-06	1.49E-05	4.03E-07	9.72E-06	2.15E-06	3.09E-06	4.90E-06	8.63E-07	9.82E-07	2.21E-05
1158	485902.5	3855785.28	3.28E-02	3.54E-02	5.61E-02	1.14E-05	3.43E-05	1.99E-05	2.14E-05	1.94E-05	8.87E-06	1.40E-05	3.80E-07	9.17E-06	2.02E-06	2.91E-06	4.62E-06	8.14E-07	9.26E-07	2.08E-05
1159	486809.46	3856465.28	3.30E-02	3.57E-02	5.70E-02	1.14E-05	3.45E-05	2.00E-05	2.16E-05	1.96E-05	8.93E-06	1.43E-05	3.82E-07	9.22E-06	2.03E-06	2.93E-06	4.65E-06	8.19E-07	9.41E-07	2.10E-05
1160	486859.46	3856465.28	3.24E-02	3.50E-02	5.59E-02	1.12E-05	3.38E-05	1.96E-05	2.11E-05	1.92E-05	8.75E-06	1.40E-05	3.74E-07	9.03E-06	1.99E-06	2.87E-06	4.56E-06	8.03E-07	9.22E-07	2.06E-05
1161	486909.46	3856465.28	3.16E-02	3.42E-02	5.46E-02	1.09E-05	3.30E-05	1.91E-05	2.07E-05	1.87E-05	8.55E-06	1.37E-05	3.65E-07	8.83E-06	1.95E-06	2.81E-06	4.45E-06	7.84E-07	9.01E-07	2.01E-05
1162	486809.46	3856515.28	3.46E-02	3.74E-02	5.98E-02	1.20E-05	3.62E-05	2.09E-05	2.26E-05	2.05E-05	9.35E-06	1.50E-05	4.00E-07	9.66E-06	2.13E-06	3.07E-06	4.87E-06	8.58E-07	9.87E-07	2.20E-05
1163	486859.46	3856515.28	3.40E-02	3.67E-02	5.87E-02	1.18E-05	3.55E-05	2.05E-05	2.22E-05	2.01E-05	9.18E-06	1.47E-05	3.93E-07	9.48E-06	2.09E-06	3.01E-06	4.78E-06	8.43E-07	9.68E-07	2.16E-05
1164	486909.46	3856515.28	3.32E-02	3.59E-02	5.74E-02	1.15E-05	3.47E-05	2.01E-05	2.17E-05	1.97E-05	8.98E-06	1.44E-05	3.84E-07	9.28E-06	2.05E-06	2.95E-06	4.68E-06	8.24E-07	9.47E-07	2.11E-05
1165	486980.94	3856357.95	2.81E-02	3.03E-02	4.84E-02	9.72E-06	2.93E-05	1.70E-05	1.83E-05	1.66E-05	7.59E-06	1.21E-05	3.24E-07	7.84E-06	1.73E-06	2.49E-06	3.95E-06	6.97E-07	7.99E-07	1.78E-05
1166	487030.94	3856357.95	2.76E-02	2.98E-02	4.75E-02	9.54E-06	2.88E-05	1.67E-05	1.80E-05	1.63E-05	7.45E-06	1.19E-05	3.19E-07	7.69E-06	1.70E-06	2.45E-06	3.88E-06	6.84E-07	7.85E-07	1.75E-05
1167	486980.94	3856407.95	2.93E-02	3.17E-02	5.06E-02	1.01E-05	3.06E-05	1.77E-05	1.92E-05	1.74E-05	7.93E-06	1.27E-05	3.39E-07	8.19E-06	1.81E-06	2.60E-06	4.13E-06	7.28E-07	8.35E-07	1.86E-05
1168	487030.94	3856407.95	2.87E-02	3.10E-02	4.96E-02	9.95E-06	3.00E-05	1.74E-05	1.88E-05	1.70E-05	7.77E-06	1.24E-05	3.32E-07	8.02E-06	1.77E-06	2.55E-06	4.05E-06	7.13E-07	8.18E-07	1.83E-05
1169	487447.18	3856437.45	2.54E-02	2.74E-02	4.38E-02	8.79E-06	2.65E-05	1.54E-05	1.66E-05	1.50E-05	6.86E-06	1.10E-05	2.93E-07	7.09E-06	1.56E-06	2.25E-06	3.57E-06	6.30E-07	7.23E-07	1.61E-05
1170	487497.18	3856437.45	2.50E-02	2.70E-02	4.31E-02	8.65E-06	2.61E-05	1.51E-05	1.63E-05	1.48E-05	6.75E-06	1.08E-05	2.89E-07	6.97E-06	1.54E-06	2.22E-06	3.52E-06	6.20E-07	7.11E-07	1.59E-05
1171	487547.18	3856437.45	2.46E-02	2.66E-02	4.24E-02	8.52E-06	2.57E-05	1.49E-05	1.61E-05	1.46E-05	6.65E-06	1.06E-05	2.84E-07	6.87E-06	1.52E-06	2.18E-06	3.46E-06	6.10E-07	7.00E-07	1.56E-05
1172	487447.18	3856487.45	2.63E-02	2.84E-02	4.54E-02	9.11E-06	2.75E-05	1.59E-05	1.72E-05	1.56E-05	7.12E-06	1.14E-05	3.04E-07	7.35E-06	1.62E-06	2.34E-06	3.71E-06	6.53E-07	7.49E-07	1.67E-05
1173	487497.18	3856487.45	2.59E-02	2.79E-02	4.46E-02	8.95E-06	2.70E-05	1.56E-05	1.69E-05	1.53E-05	6.99E-06	1.12E-05	2.99E-07	7.22E-06	1.59E-06	2.30E-06	3.64E-06	6.42E-07	7.37E-07	1.64E-05

1174	487547.18	3856487.45	2.55E-02	2.75E-02	4.39E-02	8.81E-06	2.66E-05	1.54E-05	1.66E-05	1.51E-05	6.88E-06	1.10E-05	2.94E-07	7.11E-06	1.57E-06	2.26E-06	3.58E-06	6.32E-07	7.25E-07	1.62E-05
1175	487447.18	3856537.45	2.73E-02	2.95E-02	4.71E-02	9.45E-06	2.85E-05	1.65E-05	1.78E-05	1.62E-05	7.38E-06	1.18E-05	3.15E-07	7.62E-06	1.68E-06	2.42E-06	3.84E-06	6.77E-07	7.77E-07	1.73E-05
1176	487497.18	3856537.45	2.68E-02	2.89E-02	4.62E-02	9.27E-06	2.80E-05	1.62E-05	1.75E-05	1.59E-05	7.24E-06	1.16E-05	3.10E-07	7.48E-06	1.65E-06	2.38E-06	3.77E-06	6.65E-07	7.63E-07	1.70E-05
1177	487547.18	3856537.45	2.64E-02	2.85E-02	4.55E-02	9.13E-06	2.76E-05	1.60E-05	1.72E-05	1.56E-05	7.13E-06	1.14E-05	3.05E-07	7.36E-06	1.62E-06	2.34E-06	3.71E-06	6.54E-07	7.51E-07	1.68E-05
1178	489285.89	3858826.54	1.20E-02	1.29E-02	1.91E-02	4.16E-06	1.26E-05	7.28E-06	7.78E-06	7.05E-06	3.22E-06	4.77E-06	1.39E-07	3.36E-06	7.41E-07	1.06E-06	1.68E-06	2.95E-07	3.15E-07	7.58E-06
1179	489335.89	3858826.54	1.17E-02	1.25E-02	1.87E-02	4.06E-06	1.22E-05	7.09E-06	7.59E-06	6.88E-06	3.14E-06	4.69E-06	1.35E-07	3.27E-06	7.22E-07	1.03E-06	1.63E-06	2.88E-07	3.09E-07	7.39E-06
1180	489385.89	3858826.54	1.14E-02	1.23E-02	1.84E-02	3.96E-06	1.20E-05	6.93E-06	7.42E-06	6.73E-06	3.07E-06	4.61E-06	1.32E-07	3.20E-06	7.05E-07	1.01E-06	1.60E-06	2.82E-07	3.04E-07	7.22E-06
1181	489435.89	3858826.54	1.12E-02	1.20E-02	1.81E-02	3.88E-06	1.17E-05	6.78E-06	7.27E-06	6.59E-06	3.01E-06	4.54E-06	1.29E-07	3.13E-06	6.90E-07	9.86E-07	1.56E-06	2.76E-07	2.99E-07	7.07E-06
1182	489485.89	3858826.54	1.10E-02	1.18E-02	1.79E-02	3.80E-06	1.15E-05	6.64E-06	7.13E-06	6.46E-06	2.95E-06	4.47E-06	1.27E-07	3.07E-06	6.76E-07	9.68E-07	1.53E-06	2.71E-07	2.95E-07	6.94E-06
1183	489535.89	3858826.54	1.08E-02	1.16E-02	1.76E-02	3.73E-06	1.13E-05	6.52E-06	7.00E-06	6.34E-06	2.89E-06	4.41E-06	1.25E-07	3.01E-06	6.64E-07	9.50E-07	1.51E-06	2.66E-07	2.91E-07	6.81E-06
1184	489585.89	3858826.54	1.06E-02	1.14E-02	1.74E-02	3.67E-06	1.11E-05	6.41E-06	6.88E-06	6.24E-06	2.85E-06	4.35E-06	1.22E-07	2.96E-06	6.52E-07	9.34E-07	1.48E-06	2.61E-07	2.87E-07	6.70E-06
1185	489635.89	3858826.54	1.04E-02	1.12E-02	1.72E-02	3.61E-06	1.09E-05	6.30E-06	6.77E-06	6.14E-06	2.80E-06	4.29E-06	1.20E-07	2.91E-06	6.42E-07	9.19E-07	1.46E-06	2.57E-07	2.83E-07	6.59E-06
1186	489685.89	3858826.54	1.02E-02	1.10E-02	1.69E-02	3.55E-06	1.07E-05	6.20E-06	6.66E-06	6.04E-06	2.76E-06	4.24E-06	1.18E-07	2.86E-06	6.32E-07	9.05E-07	1.44E-06	2.53E-07	2.80E-07	6.48E-06
1187	489735.89	3858826.54	1.01E-02	1.09E-02	1.67E-02	3.49E-06	1.06E-05	6.11E-06	6.57E-06	5.95E-06	2.72E-06	4.19E-06	1.17E-07	2.82E-06	6.22E-07	8.91E-07	1.41E-06	2.49E-07	2.76E-07	6.39E-06
1188	489785.89	3858826.54	9.94E-03	1.07E-02	1.65E-02	3.44E-06	1.04E-05	6.02E-06	6.47E-06	5.87E-06	2.68E-06	4.13E-06	1.15E-07	2.78E-06	6.13E-07	8.78E-07	1.39E-06	2.46E-07	2.73E-07	6.29E-06
1189	489835.89	3858826.54	9.80E-03	1.05E-02	1.63E-02	3.39E-06	1.02E-05	5.93E-06	6.38E-06	5.78E-06	2.64E-06	4.09E-06	1.13E-07	2.74E-06	6.04E-07	8.66E-07	1.37E-06	2.42E-07	2.69E-07	6.21E-06
1190	489885.89	3858826.54	9.67E-03	1.04E-02	1.61E-02	3.35E-06	1.01E-05	5.85E-06	6.29E-06	5.70E-06	2.60E-06	4.04E-06	1.12E-07	2.70E-06	5.96E-07	8.54E-07	1.36E-06	2.39E-07	2.66E-07	6.12E-06
1191	489935.89	3858826.54	9.53E-03	1.03E-02	1.59E-02	3.30E-06	9.96E-06	5.77E-06	6.21E-06	5.63E-06	2.57E-06	3.99E-06	1.10E-07	2.66E-06	5.87E-07	8.43E-07	1.34E-06	2.36E-07	2.63E-07	6.04E-06
1192	489985.89	3858826.54	9.41E-03	1.01E-02	1.58E-02	3.26E-06	9.83E-06	5.69E-06	6.13E-06	5.55E-06	2.53E-06	3.94E-06	1.09E-07	2.63E-06	5.80E-07	8.32E-07	1.32E-06	2.33E-07	2.60E-07	5.96E-06
1193	490035.89	3858826.54	9.29E-03	1.00E-02	1.56E-02	3.21E-06	9.71E-06	5.62E-06	6.05E-06	5.48E-06	2.50E-06	3.90E-06	1.07E-07	2.59E-06	5.72E-07	8.21E-07	1.30E-06	2.30E-07	2.57E-07	5.88E-06
1194	489285.89	3858876.54	1.12E-02	1.20E-02	1.78E-02	3.89E-06	1.18E-05	6.80E-06	7.28E-06	6.60E-06	3.01E-06	4.46E-06	1.30E-07	3.14E-06	6.93E-07	9.88E-07	1.57E-06	2.76E-07	2.94E-07	7.09E-06
1195	489335.89	3858876.54	1.10E-02	1.17E-02	1.75E-02	3.80E-06	1.15E-05	6.64E-06	7.11E-06	6.44E-06	2.94E-06	4.39E-06	1.27E-07	3.06E-06	6.76E-07	9.65E-07	1.53E-06	2.70E-07	2.89E-07	6.92E-06
1196	489385.89	3858876.54	1.07E-02	1.15E-02	1.73E-02	3.72E-06	1.12E-05	6.50E-06	6.96E-06	6.31E-06	2.88E-06	4.32E-06	1.24E-07	3.00E-06	6.62E-07	9.45E-07	1.50E-06	2.64E-07	2.85E-07	6.78E-06
1197	489435.89	3858876.54	1.05E-02	1.13E-02	1.70E-02	3.65E-06	1.10E-05	6.37E-06	6.83E-06	6.19E-06	2.82E-06	4.26E-06	1.22E-07	2.94E-06	6.49E-07	9.27E-07	1.47E-06	2.59E-07	2.81E-07	6.65E-06
1198	489485.89	3858876.54	1.03E-02	1.11E-02	1.68E-02	3.58E-06	1.08E-05	6.26E-06	6.71E-06	6.08E-06	2.78E-06	4.21E-06	1.20E-07	2.89E-06	6.37E-07	9.11E-07	1.45E-06	2.55E-07	2.77E-07	6.53E-06
1199	489535.89	3858876.54	1.02E-02	1.09E-02	1.66E-02	3.52E-06	1.06E-05	6.15E-06	6.60E-06	5.98E-06	2.73E-06	4.15E-06	1.18E-07	2.84E-06	6.26E-07	8.96E-07	1.42E-06	2.51E-07	2.74E-07	6.42E-06
1200	489585.89	3858876.54	1.00E-02	1.07E-02	1.64E-02	3.46E-06	1.05E-05	6.05E-06	6.50E-06	5.89E-06	2.69E-06	4.11E-06	1.16E-07	2.79E-06	6.17E-07	8.83E-07	1.40E-06	2.47E-07	2.71E-07	6.33E-06
1201	489635.89	3858876.54	9.86E-03	1.06E-02	1.62E-02	3.41E-06	1.03E-05	5.96E-06	6.41E-06	5.81E-06	2.65E-06	4.06E-06	1.14E-07	2.75E-06	6.07E-07	8.70E-07	1.38E-06	2.43E-07	2.68E-07	6.23E-06
1202	489685.89	3858876.54	9.71E-03	1.04E-02	1.60E-02	3.36E-06	1.02E-05	5.88E-06	6.32E-06	5.73E-06	2.61E-06	4.01E-06	1.12E-07	2.71E-06	5.98E-07	8.57E-07	1.36E-06	2.40E-07	2.65E-07	6.15E-06
1203	489735.89	3858876.54	9.58E-03	1.03E-02	1.59E-02	3.32E-06	1.00E-05	5.80E-06	6.23E-06	5.65E-06	2.58E-06	3.97E-06	1.11E-07	2.67E-06	5.90E-07	8.46E-07	1.34E-06	2.37E-07	2.62E-07	6.06E-06
1204	489785.89	3858876.54	9.45E-03	1.02E-02	1.57E-02	3.27E-06	9.88E-06	5.72E-06	6.15E-06	5.57E-06	2.54E-06	3.93E-06	1.09E-07	2.64E-06	5.82E-07	8.35E-07	1.32E-06	2.33E-07	2.59E-07	5.98E-06
1205	489835.89	3858876.54	9.33E-03	1.00E-02	1.55E-02	3.23E-06	9.75E-06	5.64E-06	6.07E-06	5.50E-06	2.51E-06	3.88E-06	1.08E-07	2.60E-06	5.75E-07	8.24E-07	1.31E-06	2.30E-07	2.56E-07	5.90E-06
1206	489885.89	3858876.54	9.21E-03	9.90E-03	1.53E-02	3.19E-06	9.62E-06	5.57E-06	5.99E-06	5.43E-06	2.48E-06	3.84E-06	1.06E-07	2.57E-06	5.67E-07	8.14E-07	1.29E-06	2.27E-07	2.53E-07	5.83E-06
1207	489935.89	3858876.54	9.09E-03	9.78E-03	1.52E-02	3.15E-06	9.50E-06	5.50E-06	5.92E-06	5.37E-06	2.45E-06	3.80E-06	1.05E-07	2.54E-06	5.60E-07	8.04E-07	1.27E-06	2.25E-07	2.51E-07	5.76E-06
1208	489985.89	3858876.54	8.98E-03	9.67E-03	1.50E-02	3.11E-06	9.39E-06	5.43E-06	5.85E-06	5.30E-06	2.42E-06	3.76E-06	1.04E-07	2.51E-06	5.53E-07	7.94E-07	1.26E-06	2.22E-07	2.48E-07	5.69E-06
1209	490035.89	3858876.54	8.88E-03	9.55E-03	1.49E-02	3.07E-06	9.28E-06	5.37E-06	5.78E-06	5.24E-06	2.39E-06	3.72E-06	1.03E-07	2.48E-06	5.47E-07	7.85E-07	1.25E-06	2.19E-07	2.46E-07	5.62E-06
1210	489285.89	3858926.54	1.04E-02	1.11E-02	1.65E-02	3.60E-06	1.09E-05	6.29E-06	6.73E-06	6.10E-06	2.78E-06	4.14E-06	1.20E-07	2.90E-06	6.41E-07	9.14E-07	1.45E-06	2.56E-07	2.73E-07	6.56E-06
1211	489335.89	3858926.54	1.02E-02	1.09E-02	1.63E-02	3.53E-06	1.07E-05	6.17E-06	6.61E-06	5.99E-06	2.73E-06	4.09E-06	1.18E-07	2.85E-06	6.28E-07	8.97E-07	1.42E-06	2.51E-07	2.70E-07	6.43E-06
1212	489385.89	3858926.54	1.00E-02	1.07E-02	1.61E-02	3.47E-06	1.05E-05	6.06E-06	6.49E-06	5.89E-06	2.69E-06	4.04E-06	1.16E-07	2.80E-06	6.17E-07	8.82E-07	1.40E-06	2.46E-07	2.66E-07	6.32E-06
1213	489435.89	3858926.54	9.85E-03	1.06E-02	1.60E-02	3.41E-06	1.03E-05	5.96E-06	6.39E-06	5.79E-06	2.64E-06	3.99E-06	1.14E-07	2.75E-06	6.07E-07	8.67E-07	1.38E-06	2.43E-07	2.63E-07	6.22E-06
1214	489485.89	3858926.54	9.70E-03	1.04E-02	1.58E-02	3.36E-06	1.01E-05	5.87E-06	6.29E-06	5.71E-06	2.60E-06	3.95E-06	1.12E-07	2.71E-06	5.98E-07	8.55E-07	1.36E-06	2.39E-07	2.61E-07	6.13E-06
1215	489535.89	3858926.54	9.56E-03	1.03E-02	1.56E-02	3.31E-06	9.99E-06	5.78E-06	6.21E-06	5.63E-06	2.57E-06	3.91E-06	1.10E-07	2.67E-06	5.89E-07	8.43E-07	1.34E-06	2.36E-07	2.58E-07	6.04E-06
1216	489585.89	3858926.54	9.43E-03	1.01E-02	1.55E-02	3.26E-06	9.85E-06	5.70E-06	6.12E-06	5.55E-06	2.53E-06	3.87E-06	1.09E-07	2.63E-06	5.81E-07	8.31E-07	1.32E-06	2.32E-07	2.55E-07	5.96E-06
1217	489635.89	3858926.54	9.30E-03	9.99E-03	1.53E-02	3.22E-06	9.72E-06	5.63E-06	6.05E-06	5.48E-06	2.50E-06	3.83E-06	1.08E-07	2.60E-06	5.73E-07	8.21E-07	1.30E-06	2.30E-07	2.53E-07	5.88E-06
1218	489685.89	3858926.54	9.19E-03	9.87E-03	1.52E-02	3.18E-06	9.60E-06	5.56E-06	5.97E-06	5.41E-06	2.47E-06	3.80E-06	1.06E-07	2.56E-06	5.66E-07	8.11E-07	1.29E-06	2.27E-07	2.50E-07	5.81E-06
1219	489735.89	3858926.54	9.07E-03	9.75E-03	1.50E-02	3.14E-06	9.48E-06	5.49E-06	5.90E-06	5.35E-06	2.44E-06	3.76E-06	1.05E-07	2.53E-06	5.59E-07	8.01E-07	1.27E-06	2.24E-07	2.48E-07	5.74E-06
1220	489785.89	3858926.54	8.96E-03	9.64E-03	1.49E-02	3.10E-06	9.37E-06	5.42E-06	5.83E-06	5.29E-06	2.41E-06	3.72E-06	1.04E-07	2.50E-06	5.52E-07	7.92E-07	1.26E-06	2.21E-07	2.45E-07	5.67E-06
1221	489835.89	3858926.54	8.86E-03	9.53E-03	1.47E-02	3.07E-06	9.26E-06	5.36E-06	5.76E-06	5.23E-06	2.38E-06	3.69E-06	1.02E-07	2.47E-06	5.46E-07	7.83E-07	1.24E-06	2.19E-07	2.43E-07	5.61E-06
1222	489885.89	3858926.54	8.76E-03	9.42E-03	1.46E-02	3.03E-06	9.15E-06	5.30E-06	5.70E-06	5.17E-06	2.36E-06	3.65E-06	1.01E-07	2.44E-06	5.39E-07	7.74E-07	1.23E-06	2.16E-07	2.41E-07	5.54E-06
1223	489935.89	3858926.54	8.66E-03	9.32E-03	1.45E-02	3.00E-06	9.05E-06	5.24E-06	5.64E-06	5.11E-06	2.33E-06	3.62E-06	1.00E-07	2.42E-06	5.33E-07	7.65E-07	1.21E-06	2.14E-07	2.39E-07	5.48E-06
1224	489985.89	3858926.54	8.56E-03	9.22E-03	1.43E-02	2.96E-06	8.95E-06	5.18E-06	5.58E-06	5.06E-06	2.31E-06	3.59E-06	9.90E-08	2.39E-06	5.28E-07	7.57E-07	1.20E-06	2.12E-07	2.37E-07	5.42E-06
1225	490035.89	3858926.54	8.47E-03	9.12E-03	1.42E-02	2.93E-06	8.86E-06	5.13E-06	5.52E-06	5.00E-06	2.28E-06	3.56E-06	9.80E-08	2.37E-06	5.22E-07	7.49E-07	1.19E-06	2.10E-07	2.35E-07	5.37E-06
1226	489335.89	3858976.54	9.41E-03	1.01E-02	1.51E-02	3.26E-06	9.84E-06	5.70E-06	6.10E-06	5.53E-06	2.52E-06	3.79E-06	1.09E-07	2.63E-06	5.80E-07	8.29E-07	1.31E-06	2.32E-07	2.50E-07	5.94E-06
1227	489385.89	3858976.54	9.29E-03	9.96E-03	1.50E-02	3.22E-06	9.71E-06	5.62E-06	6.03E-06	5.46E-06	2.49E-06	3.76E-06	1.07E-07	2.59E-06	5.73E-07	8.18E-07	1.30E-06	2.29E-07	2.48E-07	5.87E-06
1228	489435.89	3858976.54	9.17E-03	9.84E-03	1.49E-02	3.18E-06	9.59E-06	5.55E-06	5.95E-06	5.40E-06	2.46E-06	3.73E-06	1.06E-07	2.56E-06	5.65E-07	8.08E-07	1.28E-06	2.26E-07	2.46E-07	5.80E-06
1229	489485.89	3858976.54	9.06E-03	9.73E-03	1.48E-02	3.14E-06	9.47E-06	5.48E-06	5.89E-06	5.34E-06	2.43E-06	3.70E-06	1.05E-07	2.53E-06	5.59E-07	7.99E-07	1.27E-06	2.23E-07	2.44E-07	5.73E-06
1230	489535.89	3858976.54	8.96E-03	9.62E-03	1.47E-02	3.10E-06	9.37E-06	5.42E-06	5.82E-06	5.28E-06	2.41E-06	3.67E-06	1.04E-07	2.50E-06	5.52E-07	7.90E-07	1.25E-06	2.21E-07	2.42E-07	5.66E-06
1231	489585.89	3858976.54	8.86E-03	9.51E-03	1.46E-02	3.07E-06	9.26E-06	5.36E-06	5.76E-06	5.22E-06	2.38E-06	3.64E-06	1.02E-07	2.47E-06	5.46E-07	7.82E-07	1.24E-06	2.19E-07	2.40E-07	5.60E-06
1232	489635.89	3858976.54	8.76E-03	9.41E-03	1.44E-02	3.03E-06	9.16E-06	5.30E-06	5.70E-06	5.16E-06	2.36E-06	3.61E-06	1.01E-07	2.45E-06	5.40E-07	7.73E-07	1.23E-06	2.16E-07	2.38E-07	5.54E-06

1233	489685.89	3858976.54	8.67E-03	9.32E-03	1.43E-02	3.00E-06	9.06E-06	5.25E-06	5.64E-06	5.11E-06	2.33E-06	3.59E-06	1.00E-07	2.42E-06	5.34E-07	7.65E-07	1.21E-06	2.14E-07	2.36E-07	5.49E-06
1234	489735.89	3858976.54	8.58E-03	9.22E-03	1.42E-02	2.97E-06	8.97E-06	5.19E-06	5.58E-06	5.06E-06	2.31E-06	3.56E-06	9.92E-08	2.40E-06	5.29E-07	7.58E-07	1.20E-06	2.12E-07	2.35E-07	5.43E-06
1235	489785.89	3858976.54	8.49E-03	9.13E-03	1.41E-02	2.94E-06	8.87E-06	5.14E-06	5.52E-06	5.01E-06	2.28E-06	3.53E-06	9.81E-08	2.37E-06	5.23E-07	7.50E-07	1.19E-06	2.10E-07	2.33E-07	5.37E-06
1236	489835.89	3858976.54	8.40E-03	9.03E-03	1.40E-02	2.91E-06	8.78E-06	5.08E-06	5.47E-06	4.96E-06	2.26E-06	3.50E-06	9.71E-08	2.35E-06	5.18E-07	7.42E-07	1.18E-06	2.08E-07	2.31E-07	5.32E-06
1237	489885.89	3858976.54	8.32E-03	8.95E-03	1.39E-02	2.88E-06	8.70E-06	5.03E-06	5.42E-06	4.91E-06	2.24E-06	3.47E-06	9.62E-08	2.32E-06	5.13E-07	7.35E-07	1.17E-06	2.06E-07	2.29E-07	5.27E-06
1238	489935.89	3858976.54	8.24E-03	8.87E-03	1.38E-02	2.85E-06	8.61E-06	4.98E-06	5.36E-06	4.86E-06	2.22E-06	3.44E-06	9.52E-08	2.30E-06	5.08E-07	7.28E-07	1.16E-06	2.04E-07	2.27E-07	5.22E-06
1239	489985.89	3858976.54	8.16E-03	8.78E-03	1.36E-02	2.82E-06	8.53E-06	4.94E-06	5.31E-06	4.82E-06	2.20E-06	3.42E-06	9.43E-08	2.28E-06	5.03E-07	7.21E-07	1.14E-06	2.02E-07	2.25E-07	5.17E-06
1240	490035.89	3858976.54	8.09E-03	8.71E-03	1.36E-02	2.80E-06	8.45E-06	4.89E-06	5.27E-06	4.78E-06	2.18E-06	3.40E-06	9.35E-08	2.26E-06	4.98E-07	7.15E-07	1.13E-06	2.00E-07	2.24E-07	5.12E-06
1241	489385.89	3859026.54	8.60E-03	9.22E-03	1.40E-02	2.98E-06	8.99E-06	5.20E-06	5.58E-06	5.06E-06	2.31E-06	3.50E-06	9.94E-08	2.40E-06	5.30E-07	7.57E-07	1.20E-06	2.12E-07	2.31E-07	5.43E-06
1242	489435.89	3859026.54	8.53E-03	9.15E-03	1.39E-02	2.95E-06	8.91E-06	5.16E-06	5.54E-06	5.02E-06	2.29E-06	3.48E-06	9.86E-08	2.38E-06	5.25E-07	7.52E-07	1.19E-06	2.10E-07	2.30E-07	5.39E-06
1243	489485.89	3859026.54	8.46E-03	9.08E-03	1.38E-02	2.93E-06	8.84E-06	5.12E-06	5.49E-06	4.98E-06	2.27E-06	3.46E-06	9.77E-08	2.36E-06	5.21E-07	7.46E-07	1.18E-06	2.08E-07	2.29E-07	5.35E-06
1244	489535.89	3859026.54	8.38E-03	9.00E-03	1.38E-02	2.90E-06	8.76E-06	5.07E-06	5.45E-06	4.94E-06	2.25E-06	3.45E-06	9.69E-08	2.34E-06	5.17E-07	7.40E-07	1.17E-06	2.07E-07	2.27E-07	5.30E-06
1245	489585.89	3859026.54	8.31E-03	8.93E-03	1.37E-02	2.88E-06	8.69E-06	5.03E-06	5.40E-06	4.90E-06	2.24E-06	3.43E-06	9.61E-08	2.32E-06	5.12E-07	7.34E-07	1.16E-06	2.05E-07	2.26E-07	5.26E-06
1246	489635.89	3859026.54	8.24E-03	8.86E-03	1.36E-02	2.85E-06	8.61E-06	4.99E-06	5.36E-06	4.86E-06	2.22E-06	3.41E-06	9.53E-08	2.30E-06	5.08E-07	7.28E-07	1.15E-06	2.03E-07	2.25E-07	5.21E-06
1247	489685.89	3859026.54	8.17E-03	8.78E-03	1.35E-02	2.83E-06	8.54E-06	4.94E-06	5.31E-06	4.82E-06	2.20E-06	3.38E-06	9.45E-08	2.28E-06	5.03E-07	7.22E-07	1.14E-06	2.02E-07	2.23E-07	5.17E-06
1248	489735.89	3859026.54	8.10E-03	8.71E-03	1.34E-02	2.80E-06	8.47E-06	4.90E-06	5.27E-06	4.78E-06	2.18E-06	3.36E-06	9.36E-08	2.26E-06	4.99E-07	7.15E-07	1.13E-06	2.00E-07	2.22E-07	5.13E-06
1249	489785.89	3859026.54	8.03E-03	8.63E-03	1.33E-02	2.78E-06	8.39E-06	4.86E-06	5.22E-06	4.74E-06	2.16E-06	3.34E-06	9.28E-08	2.24E-06	4.95E-07	7.09E-07	1.13E-06	1.98E-07	2.20E-07	5.08E-06
1250	489835.89	3859026.54	7.96E-03	8.57E-03	1.33E-02	2.76E-06	8.33E-06	4.82E-06	5.18E-06	4.70E-06	2.14E-06	3.32E-06	9.21E-08	2.22E-06	4.91E-07	7.04E-07	1.12E-06	1.97E-07	2.19E-07	5.04E-06
1251	489885.89	3859026.54	7.90E-03	8.50E-03	1.32E-02	2.73E-06	8.26E-06	4.78E-06	5.14E-06	4.66E-06	2.13E-06	3.30E-06	9.13E-08	2.21E-06	4.87E-07	6.98E-07	1.11E-06	1.95E-07	2.17E-07	5.00E-06
1252	489935.89	3859026.54	7.83E-03	8.43E-03	1.31E-02	2.71E-06	8.19E-06	4.74E-06	5.10E-06	4.62E-06	2.11E-06	3.28E-06	9.05E-08	2.19E-06	4.83E-07	6.92E-07	1.10E-06	1.94E-07	2.16E-07	4.96E-06
1253	489985.89	3859026.54	7.77E-03	8.36E-03	1.30E-02	2.69E-06	8.12E-06	4.70E-06	5.06E-06	4.59E-06	2.09E-06	3.25E-06	8.98E-08	2.17E-06	4.79E-07	6.87E-07	1.09E-06	1.92E-07	2.15E-07	4.92E-06
1254	490035.89	3859026.54	7.71E-03	8.30E-03	1.29E-02	2.67E-06	8.06E-06	4.66E-06	5.02E-06	4.55E-06	2.08E-06	3.24E-06	8.91E-08	2.15E-06	4.75E-07	6.82E-07	1.08E-06	1.91E-07	2.14E-07	4.88E-06
1255	489485.89	3859076.54	7.88E-03	8.46E-03	1.29E-02	2.73E-06	8.23E-06	4.77E-06	5.12E-06	4.64E-06	2.12E-06	3.24E-06	9.11E-08	2.20E-06	4.85E-07	6.95E-07	1.10E-06	1.94E-07	2.14E-07	4.98E-06
1256	489535.89	3859076.54	7.84E-03	8.42E-03	1.29E-02	2.71E-06	8.19E-06	4.74E-06	5.09E-06	4.62E-06	2.11E-06	3.23E-06	9.06E-08	2.19E-06	4.83E-07	6.92E-07	1.10E-06	1.93E-07	2.13E-07	4.96E-06
1257	489585.89	3859076.54	7.79E-03	8.37E-03	1.29E-02	2.70E-06	8.15E-06	4.72E-06	5.07E-06	4.59E-06	2.10E-06	3.22E-06	9.01E-08	2.18E-06	4.80E-07	6.88E-07	1.09E-06	1.92E-07	2.12E-07	4.93E-06
1258	489635.89	3859076.54	7.74E-03	8.32E-03	1.28E-02	2.68E-06	8.09E-06	4.69E-06	5.04E-06	4.57E-06	2.08E-06	3.21E-06	8.95E-08	2.16E-06	4.77E-07	6.84E-07	1.08E-06	1.91E-07	2.12E-07	4.90E-06
1259	489685.89	3859076.54	7.69E-03	8.27E-03	1.28E-02	2.66E-06	8.04E-06	4.66E-06	5.00E-06	4.54E-06	2.07E-06	3.19E-06	8.89E-08	2.15E-06	4.74E-07	6.79E-07	1.08E-06	1.90E-07	2.11E-07	4.87E-06
1260	489735.89	3859076.54	7.64E-03	8.22E-03	1.27E-02	2.65E-06	7.99E-06	4.62E-06	4.97E-06	4.51E-06	2.06E-06	3.18E-06	8.83E-08	2.13E-06	4.71E-07	6.75E-07	1.07E-06	1.89E-07	2.10E-07	4.84E-06
1261	489785.89	3859076.54	7.59E-03	8.16E-03	1.26E-02	2.63E-06	7.93E-06	4.59E-06	4.94E-06	4.48E-06	2.04E-06	3.16E-06	8.77E-08	2.12E-06	4.68E-07	6.71E-07	1.06E-06	1.88E-07	2.08E-07	4.81E-06
1262	489835.89	3859076.54	7.54E-03	8.11E-03	1.26E-02	2.61E-06	7.88E-06	4.56E-06	4.91E-06	4.45E-06	2.03E-06	3.15E-06	8.72E-08	2.11E-06	4.65E-07	6.66E-07	1.06E-06	1.86E-07	2.07E-07	4.77E-06
1263	489885.89	3859076.54	7.49E-03	8.06E-03	1.25E-02	2.59E-06	7.83E-06	4.53E-06	4.88E-06	4.42E-06	2.02E-06	3.13E-06	8.66E-08	2.09E-06	4.62E-07	6.62E-07	1.05E-06	1.85E-07	2.06E-07	4.74E-06
1264	489935.89	3859076.54	7.44E-03	8.01E-03	1.24E-02	2.58E-06	7.78E-06	4.50E-06	4.84E-06	4.39E-06	2.00E-06	3.11E-06	8.60E-08	2.08E-06	4.58E-07	6.58E-07	1.04E-06	1.84E-07	2.05E-07	4.71E-06
1265	489985.89	3859076.54	7.39E-03	7.95E-03	1.24E-02	2.56E-06	7.72E-06	4.47E-06	4.81E-06	4.36E-06	1.99E-06	3.10E-06	8.54E-08	2.06E-06	4.55E-07	6.53E-07	1.04E-06	1.83E-07	2.04E-07	4.68E-06
1266	490035.89	3859076.54	7.35E-03	7.91E-03	1.23E-02	2.54E-06	7.68E-06	4.44E-06	4.79E-06	4.34E-06	1.98E-06	3.09E-06	8.49E-08	2.05E-06	4.53E-07	6.50E-07	1.03E-06	1.82E-07	2.04E-07	4.65E-06
1267	489585.89	3859126.54	7.30E-03	7.85E-03	1.21E-02	2.53E-06	7.63E-06	4.42E-06	4.75E-06	4.30E-06	1.96E-06	3.03E-06	8.44E-08	2.04E-06	4.50E-07	6.45E-07	1.02E-06	1.80E-07	2.00E-07	4.62E-06
1268	489635.89	3859126.54	7.27E-03	7.82E-03	1.21E-02	2.52E-06	7.60E-06	4.40E-06	4.73E-06	4.29E-06	1.96E-06	3.02E-06	8.41E-08	2.03E-06	4.48E-07	6.42E-07	1.02E-06	1.80E-07	1.99E-07	4.60E-06
1269	489685.89	3859126.54	7.24E-03	7.79E-03	1.20E-02	2.51E-06	7.57E-06	4.38E-06	4.71E-06	4.27E-06	1.95E-06	3.01E-06	8.37E-08	2.02E-06	4.46E-07	6.40E-07	1.01E-06	1.79E-07	1.99E-07	4.58E-06
1270	489735.89	3859126.54	7.21E-03	7.75E-03	1.20E-02	2.50E-06	7.53E-06	4.36E-06	4.69E-06	4.25E-06	1.94E-06	3.00E-06	8.33E-08	2.01E-06	4.44E-07	6.37E-07	1.01E-06	1.78E-07	1.98E-07	4.56E-06
1271	489785.89	3859126.54	7.17E-03	7.72E-03	1.20E-02	2.48E-06	7.50E-06	4.34E-06	4.67E-06	4.23E-06	1.93E-06	2.99E-06	8.29E-08	2.00E-06	4.42E-07	6.34E-07	1.01E-06	1.77E-07	1.97E-07	4.54E-06
1272	489835.89	3859126.54	7.14E-03	7.68E-03	1.19E-02	2.47E-06	7.46E-06	4.32E-06	4.65E-06	4.21E-06	1.92E-06	2.98E-06	8.25E-08	1.99E-06	4.40E-07	6.31E-07	1.00E-06	1.76E-07	1.97E-07	4.52E-06
1273	489885.89	3859126.54	7.10E-03	7.64E-03	1.19E-02	2.46E-06	7.42E-06	4.30E-06	4.62E-06	4.19E-06	1.91E-06	2.97E-06	8.21E-08	1.98E-06	4.38E-07	6.28E-07	9.96E-07	1.76E-07	1.96E-07	4.50E-06
1274	489935.89	3859126.54	7.06E-03	7.60E-03	1.18E-02	2.45E-06	7.38E-06	4.27E-06	4.60E-06	4.17E-06	1.90E-06	2.96E-06	8.17E-08	1.97E-06	4.35E-07	6.25E-07	9.91E-07	1.75E-07	1.95E-07	4.47E-06
1275	489985.89	3859126.54	7.03E-03	7.57E-03	1.18E-02	2.43E-06	7.35E-06	4.25E-06	4.58E-06	4.15E-06	1.89E-06	2.95E-06	8.13E-08	1.96E-06	4.33E-07	6.22E-07	9.86E-07	1.74E-07	1.95E-07	4.45E-06
1276	490035.89	3859126.54	6.99E-03	7.53E-03	1.17E-02	2.42E-06	7.31E-06	4.23E-06	4.56E-06	4.13E-06	1.88E-06	2.94E-06	8.08E-08	1.95E-06	4.31E-07	6.19E-07	9.81E-07	1.73E-07	1.94E-07	4.43E-06
1277	489585.89	3859176.54	6.84E-03	7.36E-03	1.14E-02	2.37E-06	7.15E-06	4.14E-06	4.45E-06	4.04E-06	1.84E-06	2.84E-06	7.91E-08	1.91E-06	4.22E-07	6.04E-07	9.59E-07	1.69E-07	1.88E-07	4.33E-06
1278	489635.89	3859176.54	6.83E-03	7.35E-03	1.14E-02	2.36E-06	7.14E-06	4.13E-06	4.45E-06	4.03E-06	1.84E-06	2.84E-06	7.90E-08	1.91E-06	4.21E-07	6.04E-07	9.57E-07	1.69E-07	1.87E-07	4.32E-06
1279	489685.89	3859176.54	6.81E-03	7.33E-03	1.13E-02	2.36E-06	7.12E-06	4.12E-06	4.44E-06	4.02E-06	1.83E-06	2.84E-06	7.88E-08	1.90E-06	4.20E-07	6.02E-07	9.55E-07	1.68E-07	1.87E-07	4.31E-06
1280	489735.89	3859176.54	6.80E-03	7.31E-03	1.13E-02	2.35E-06	7.10E-06	4.11E-06	4.42E-06	4.01E-06	1.83E-06	2.83E-06	7.86E-08	1.90E-06	4.19E-07	6.01E-07	9.53E-07	1.68E-07	1.87E-07	4.30E-06
1281	489785.89	3859176.54	6.78E-03	7.29E-03	1.13E-02	2.35E-06	7.08E-06	4.10E-06	4.41E-06	4.00E-06	1.83E-06	2.83E-06	7.83E-08	1.89E-06	4.18E-07	5.99E-07	9.50E-07	1.67E-07	1.87E-07	4.29E-06
1282	489835.89	3859176.54	6.75E-03	7.27E-03	1.13E-02	2.34E-06	7.06E-06	4.09E-06	4.40E-06	3.99E-06	1.82E-06	2.83E-06	7.81E-08	1.89E-06	4.16E-07	5.97E-07	9.47E-07	1.67E-07	1.86E-07	4.28E-06
1283	489885.89	3859176.54	6.73E-03	7.25E-03	1.13E-02	2.33E-06	7.04E-06	4.07E-06	4.38E-06	3.97E-06	1.81E-06	2.82E-06	7.78E-08	1.88E-06	4.15E-07	5.95E-07	9.44E-07	1.66E-07	1.86E-07	4.26E-06
1284	489935.89	3859176.54	6.70E-03	7.22E-03	1.12E-02	2.32E-06	7.01E-06	4.06E-06	4.37E-06	3.96E-06	1.81E-06	2.81E-06	7.75E-08	1.87E-06	4.13E-07	5.93E-07	9.41E-07	1.66E-07	1.86E-07	4.25E-06
1285	489985.89	3859176.54	6.68E-03	7.20E-03	1.12E-02	2.31E-06	6.98E-06	4.04E-06	4.35E-06	3.95E-06	1.80E-06	2.81E-06	7.72E-08	1.87E-06	4.12E-07	5.91E-07	9.38E-07	1.65E-07	1.85E-07	4.23E-06
1286	490035.89	3859176.54	6.65E-03	7.16E-03	1.12E-02	2.30E-06	6.95E-06	4.02E-06	4.33E-06	3.93E-06	1.79E-06	2.80E-06	7.69E-08	1.86E-06	4.10E-07	5.88E-07	9.33E-07	1.65E-07	1.85E-07	4.21E-06
1287	489685.89	3859226.54	6.42E-03	6.90E-03	1.07E-02	2.22E-06	6.71E-06	3.88E-06	4.18E-06	3.79E-06	1.73E-06	2.68E-06	7.42E-08	1.79E-06	3.95E-07	5.67E-07	9.00E-07	1.59E-07	1.77E-07	4.06E-06
1288	489735.89	3859226.54	6.41E-03	6.90E-03	1.07E-02	2.22E-06	6.70E-06	3.88E-06	4.17E-06	3.78E-06	1.73E-06	2.68E-06	7.41E-08	1.79E-06	3.95E-07	5.66E-07	8.99E-07	1.58E-07	1.77E-07	4.06E-06
1289	489785.89	3859226.54	6.40E-03	6.89E-03	1.07E-02	2.22E-06	6.69E-06	3.87E-06	4.17E-06	3.78E-06	1.72E-06	2.68E-06	7.40E-08	1.79E-06	3.94E-07	5.66E-07	8.98E-07	1.58E-07	1.77E-07	4.05E-06
1290	489835.89	3859226.54	6.39E-03	6.88E-03	1.07E-02	2.21E-06	6.68E-06	3.87E-06	4.16E-06	3.77E-06	1.72E-06	2.68E-06	7.39E-08	1.79E-06	3.94E-07	5.65E-07	8.97E-07	1.58E-07	1.77E-07	4.05E-06
1291	489885.89	3859226.54	6.38E-03	6.87E-03	1.07E-02	2.21E-06	6.67E-06	3.86E-06	4.16E-06	3.77E-06	1.72E-06	2.68E-06	7.38E-08	1.78E-06	3.93E-07	5.64E-07	8.95E-07	1.58E-07	1.77E-07	4.04E-06

1292	489935.89	3859226.54	6.37E-03	6.85E-03	1.07E-02	2.20E-06	6.65E-06	3.85E-06	4.15E-06	3.76E-06	1.72E-06	2.67E-06	7.36E-08	1.78E-06	3.92E-07	5.63E-07	8.93E-07	1.57E-07	1.76E-07	4.03E-06
1293	489985.89	3859226.54	6.35E-03	6.84E-03	1.07E-02	2.20E-06	6.64E-06	3.84E-06	4.14E-06	3.75E-06	1.71E-06	2.67E-06	7.35E-08	1.77E-06	3.92E-07	5.62E-07	8.92E-07	1.57E-07	1.76E-07	4.03E-06
1294	490035.89	3859226.54	6.33E-03	6.82E-03	1.07E-02	2.19E-06	6.62E-06	3.83E-06	4.13E-06	3.74E-06	1.71E-06	2.67E-06	7.32E-08	1.77E-06	3.90E-07	5.60E-07	8.89E-07	1.57E-07	1.76E-07	4.01E-06
1295	489735.89	3859276.54	6.04E-03	6.51E-03	1.01E-02	2.09E-06	6.32E-06	3.66E-06	3.94E-06	3.57E-06	1.63E-06	2.53E-06	6.99E-08	1.69E-06	3.72E-07	5.34E-07	8.48E-07	1.49E-07	1.67E-07	3.83E-06
1296	489785.89	3859276.54	6.05E-03	6.51E-03	1.01E-02	2.09E-06	6.32E-06	3.66E-06	3.94E-06	3.57E-06	1.63E-06	2.53E-06	6.99E-08	1.69E-06	3.73E-07	5.35E-07	8.48E-07	1.49E-07	1.67E-07	3.83E-06
1297	489835.89	3859276.54	6.05E-03	6.51E-03	1.01E-02	2.09E-06	6.32E-06	3.66E-06	3.94E-06	3.57E-06	1.63E-06	2.54E-06	6.99E-08	1.69E-06	3.73E-07	5.35E-07	8.49E-07	1.50E-07	1.67E-07	3.83E-06
1298	489885.89	3859276.54	6.05E-03	6.51E-03	1.01E-02	2.09E-06	6.32E-06	3.66E-06	3.94E-06	3.57E-06	1.63E-06	2.54E-06	6.99E-08	1.69E-06	3.73E-07	5.35E-07	8.48E-07	1.50E-07	1.67E-07	3.83E-06
1299	489935.89	3859276.54	6.04E-03	6.51E-03	1.02E-02	2.09E-06	6.32E-06	3.66E-06	3.94E-06	3.57E-06	1.63E-06	2.54E-06	6.99E-08	1.69E-06	3.72E-07	5.35E-07	8.48E-07	1.49E-07	1.68E-07	3.83E-06
1300	489985.89	3859276.54	6.04E-03	6.51E-03	1.02E-02	2.09E-06	6.32E-06	3.66E-06	3.94E-06	3.57E-06	1.63E-06	2.55E-06	6.99E-08	1.69E-06	3.72E-07	5.35E-07	8.48E-07	1.49E-07	1.68E-07	3.83E-06
1301	490035.89	3859276.54	6.02E-03	6.49E-03	1.01E-02	2.09E-06	6.30E-06	3.65E-06	3.93E-06	3.56E-06	1.62E-06	2.54E-06	6.96E-08	1.68E-06	3.71E-07	5.33E-07	8.46E-07	1.49E-07	1.67E-07	3.82E-06
1302	490458.06	3859590.74	4.48E-03	4.83E-03	7.60E-03	1.55E-06	4.69E-06	2.71E-06	2.92E-06	2.65E-06	1.21E-06	1.90E-06	5.18E-08	1.25E-06	2.76E-07	3.97E-07	6.30E-07	1.11E-07	1.25E-07	2.84E-06
1303	490508.06	3859590.74	4.49E-03	4.85E-03	7.62E-03	1.56E-06	4.70E-06	2.72E-06	2.93E-06	2.66E-06	1.21E-06	1.91E-06	5.20E-08	1.26E-06	2.77E-07	3.98E-07	6.31E-07	1.11E-07	1.26E-07	2.85E-06
1304	490558.06	3859590.74	4.50E-03	4.85E-03	7.64E-03	1.56E-06	4.71E-06	2.72E-06	2.94E-06	2.66E-06	1.21E-06	1.91E-06	5.20E-08	1.26E-06	2.77E-07	3.99E-07	6.33E-07	1.11E-07	1.26E-07	2.86E-06
1305	490608.06	3859590.74	4.51E-03	4.86E-03	7.66E-03	1.56E-06	4.71E-06	2.73E-06	2.94E-06	2.67E-06	1.22E-06	1.92E-06	5.21E-08	1.26E-06	2.78E-07	3.99E-07	6.33E-07	1.12E-07	1.26E-07	2.86E-06
1306	490658.06	3859590.74	4.51E-03	4.86E-03	7.67E-03	1.56E-06	4.71E-06	2.73E-06	2.94E-06	2.67E-06	1.22E-06	1.92E-06	5.21E-08	1.26E-06	2.78E-07	4.00E-07	6.34E-07	1.12E-07	1.27E-07	2.86E-06
1307	490708.06	3859590.74	4.51E-03	4.86E-03	7.67E-03	1.56E-06	4.71E-06	2.73E-06	2.94E-06	2.67E-06	1.22E-06	1.92E-06	5.21E-08	1.26E-06	2.78E-07	4.00E-07	6.34E-07	1.12E-07	1.27E-07	2.86E-06
1308	490758.06	3859590.74	4.51E-03	4.86E-03	7.67E-03	1.56E-06	4.71E-06	2.73E-06	2.94E-06	2.67E-06	1.22E-06	1.92E-06	5.21E-08	1.26E-06	2.78E-07	3.99E-07	6.33E-07	1.12E-07	1.27E-07	2.86E-06
1309	490808.06	3859590.74	4.50E-03	4.85E-03	7.67E-03	1.56E-06	4.70E-06	2.72E-06	2.94E-06	2.66E-06	1.21E-06	1.92E-06	5.20E-08	1.26E-06	2.77E-07	3.99E-07	6.32E-07	1.11E-07	1.27E-07	2.85E-06
1310	490858.06	3859590.74	4.49E-03	4.84E-03	7.66E-03	1.55E-06	4.69E-06	2.72E-06	2.93E-06	2.66E-06	1.21E-06	1.92E-06	5.19E-08	1.25E-06	2.77E-07	3.98E-07	6.31E-07	1.11E-07	1.26E-07	2.85E-06
1311	490458.06	3859640.74	4.28E-03	4.62E-03	7.26E-03	1.48E-06	4.48E-06	2.59E-06	2.79E-06	2.53E-06	1.16E-06	1.82E-06	4.95E-08	1.20E-06	2.64E-07	3.79E-07	6.02E-07	1.06E-07	1.20E-07	2.72E-06
1312	490508.06	3859640.74	4.30E-03	4.63E-03	7.29E-03	1.49E-06	4.49E-06	2.60E-06	2.80E-06	2.54E-06	1.16E-06	1.82E-06	4.97E-08	1.20E-06	2.65E-07	3.81E-07	6.04E-07	1.06E-07	1.20E-07	2.73E-06
1313	490558.06	3859640.74	4.31E-03	4.65E-03	7.32E-03	1.49E-06	4.51E-06	2.61E-06	2.81E-06	2.55E-06	1.16E-06	1.83E-06	4.98E-08	1.20E-06	2.66E-07	3.82E-07	6.06E-07	1.07E-07	1.21E-07	2.73E-06
1314	490608.06	3859640.74	4.32E-03	4.66E-03	7.34E-03	1.50E-06	4.52E-06	2.62E-06	2.82E-06	2.56E-06	1.17E-06	1.84E-06	5.00E-08	1.21E-06	2.66E-07	3.83E-07	6.08E-07	1.07E-07	1.21E-07	2.74E-06
1315	490658.06	3859640.74	4.33E-03	4.67E-03	7.37E-03	1.50E-06	4.53E-06	2.62E-06	2.83E-06	2.56E-06	1.17E-06	1.84E-06	5.01E-08	1.21E-06	2.67E-07	3.84E-07	6.09E-07	1.07E-07	1.22E-07	2.75E-06
1316	490708.06	3859640.74	4.34E-03	4.68E-03	7.38E-03	1.50E-06	4.53E-06	2.62E-06	2.83E-06	2.57E-06	1.17E-06	1.85E-06	5.01E-08	1.21E-06	2.67E-07	3.84E-07	6.10E-07	1.07E-07	1.22E-07	2.75E-06
1317	490758.06	3859640.74	4.34E-03	4.68E-03	7.39E-03	1.50E-06	4.54E-06	2.63E-06	2.83E-06	2.57E-06	1.17E-06	1.85E-06	5.02E-08	1.21E-06	2.67E-07	3.85E-07	6.10E-07	1.08E-07	1.22E-07	2.75E-06
1318	490808.06	3859640.74	4.34E-03	4.68E-03	7.39E-03	1.50E-06	4.53E-06	2.62E-06	2.83E-06	2.57E-06	1.17E-06	1.85E-06	5.01E-08	1.21E-06	2.67E-07	3.84E-07	6.10E-07	1.07E-07	1.22E-07	2.75E-06
1319	490858.06	3859640.74	4.33E-03	4.67E-03	7.39E-03	1.50E-06	4.53E-06	2.62E-06	2.83E-06	2.56E-06	1.17E-06	1.85E-06	5.01E-08	1.21E-06	2.67E-07	3.84E-07	6.09E-07	1.07E-07	1.22E-07	2.75E-06
1320	490608.06	3859690.74	4.14E-03	4.47E-03	7.04E-03	1.43E-06	4.33E-06	2.51E-06	2.70E-06	2.45E-06	1.12E-06	1.76E-06	4.79E-08	1.16E-06	2.55E-07	3.67E-07	5.82E-07	1.03E-07	1.16E-07	2.63E-06
1321	490658.06	3859690.74	4.16E-03	4.49E-03	7.07E-03	1.44E-06	4.35E-06	2.52E-06	2.71E-06	2.46E-06	1.12E-06	1.77E-06	4.81E-08	1.16E-06	2.56E-07	3.68E-07	5.85E-07	1.03E-07	1.17E-07	2.64E-06
1322	490708.06	3859690.74	4.17E-03	4.50E-03	7.09E-03	1.44E-06	4.36E-06	2.52E-06	2.72E-06	2.47E-06	1.13E-06	1.77E-06	4.82E-08	1.16E-06	2.57E-07	3.69E-07	5.86E-07	1.03E-07	1.17E-07	2.64E-06
1323	490758.06	3859690.74	4.18E-03	4.50E-03	7.11E-03	1.45E-06	4.36E-06	2.53E-06	2.73E-06	2.47E-06	1.13E-06	1.78E-06	4.83E-08	1.17E-06	2.57E-07	3.70E-07	5.87E-07	1.03E-07	1.17E-07	2.65E-06
1324	490808.06	3859690.74	4.18E-03	4.51E-03	7.12E-03	1.45E-06	4.37E-06	2.53E-06	2.73E-06	2.47E-06	1.13E-06	1.78E-06	4.83E-08	1.17E-06	2.57E-07	3.70E-07	5.87E-07	1.04E-07	1.17E-07	2.65E-06
1325	490858.06	3859690.74	4.18E-03	4.51E-03	7.12E-03	1.45E-06	4.37E-06	2.53E-06	2.73E-06	2.47E-06	1.13E-06	1.78E-06	4.83E-08	1.17E-06	2.57E-07	3.70E-07	5.87E-07	1.03E-07	1.17E-07	2.65E-06
1326	490708.06	3859740.74	4.00E-03	4.32E-03	6.80E-03	1.39E-06	4.18E-06	2.42E-06	2.61E-06	2.37E-06	1.08E-06	1.70E-06	4.63E-08	1.12E-06	2.47E-07	3.55E-07	5.62E-07	9.91E-08	1.12E-07	2.54E-06
1327	490758.06	3859740.74	4.01E-03	4.32E-03	6.82E-03	1.39E-06	4.19E-06	2.43E-06	2.62E-06	2.37E-06	1.08E-06	1.71E-06	4.64E-08	1.12E-06	2.47E-07	3.55E-07	5.64E-07	9.93E-08	1.13E-07	2.54E-06
1328	490808.06	3859740.74	4.02E-03	4.33E-03	6.84E-03	1.39E-06	4.20E-06	2.43E-06	2.62E-06	2.38E-06	1.08E-06	1.71E-06	4.64E-08	1.12E-06	2.47E-07	3.56E-07	5.65E-07	9.95E-08	1.13E-07	2.55E-06
1329	490858.06	3859740.74	4.02E-03	4.34E-03	6.85E-03	1.39E-06	4.20E-06	2.43E-06	2.62E-06	2.38E-06	1.09E-06	1.71E-06	4.65E-08	1.12E-06	2.48E-07	3.56E-07	5.65E-07	9.96E-08	1.13E-07	2.55E-06
1330	490786.56	3859749.39	3.99E-03	4.30E-03	6.78E-03	1.38E-06	4.17E-06	2.41E-06	2.60E-06	2.36E-06	1.08E-06	1.70E-06	4.61E-08	1.11E-06	2.46E-07	3.53E-07	5.60E-07	9.87E-08	1.12E-07	2.53E-06
1331	490836.56	3859749.39	3.99E-03	4.31E-03	6.80E-03	1.38E-06	4.17E-06	2.42E-06	2.61E-06	2.36E-06	1.08E-06	1.70E-06	4.62E-08	1.11E-06	2.46E-07	3.54E-07	5.61E-07	9.89E-08	1.12E-07	2.53E-06
1332	490786.56	3859799.39	3.83E-03	4.13E-03	6.50E-03	1.32E-06	4.00E-06	2.31E-06	2.50E-06	2.26E-06	1.03E-06	1.63E-06	4.42E-08	1.07E-06	2.36E-07	3.39E-07	5.38E-07	9.47E-08	1.07E-07	2.43E-06
1333	490836.56	3859799.39	3.84E-03	4.14E-03	6.53E-03	1.33E-06	4.01E-06	2.32E-06	2.50E-06	2.27E-06	1.04E-06	1.63E-06	4.43E-08	1.07E-06	2.36E-07	3.40E-07	5.39E-07	9.50E-08	1.08E-07	2.43E-06
1334	492307.84	3854508.36	3.98E-03	4.30E-03	6.85E-03	1.38E-06	4.16E-06	2.41E-06	2.60E-06	2.36E-06	1.08E-06	1.72E-06	4.60E-08	1.11E-06	2.45E-07	3.53E-07	5.60E-07	9.88E-08	1.13E-07	2.53E-06
1335	486445.7	3854753.6	7.94E-03	8.57E-03	1.35E-02	2.75E-06	8.30E-06	4.81E-06	5.18E-06	4.70E-06	2.14E-06	3.39E-06	9.18E-08	2.22E-06	4.89E-07	7.04E-07	1.12E-06	1.97E-07	2.24E-07	5.04E-06
1336	472599.75	3877830.11	1.33E-04	1.44E-04	2.24E-04	4.61E-08	1.39E-07	8.07E-08	8.69E-08	7.88E-08	3.59E-08	5.62E-08	1.54E-09	3.72E-08	8.21E-09	1.18E-08	1.87E-08	3.30E-09	3.71E-09	8.45E-08
1337	493107.48	3866840.19	4.00E-04	4.31E-04	6.83E-04	1.38E-07	4.18E-07	2.42E-07	2.61E-07	2.37E-07	1.08E-07	1.71E-07	4.62E-09	1.12E-07	2.46E-08	3.54E-08	5.62E-08	9.90E-09	1.13E-08	2.54E-07
1338	495815.8	3861662.87	1.45E-03	1.57E-03	2.50E-03	5.03E-07	1.52E-06	8.78E-07	9.49E-07	8.60E-07	3.92E-07	6.25E-07	1.68E-08	4.05E-07	8.94E-08	1.29E-07	2.04E-07	3.60E-08	4.12E-08	9.22E-07
1339	480272.33	3841389.2	4.10E-05	4.42E-05	6.98E-05	1.42E-08	4.29E-08	2.48E-08	2.68E-08	2.43E-08	1.11E-08	1.75E-08	4.74E-10	1.15E-08	2.53E-09	3.63E-09	5.76E-09	1.02E-09	1.15E-09	2.60E-08
1340	497005.18	3862813.64	1.03E-03	1.12E-03	1.78E-03	3.58E-07	1.08E-06	6.25E-07	6.75E-07	6.12E-07	2.79E-07	4.45E-07	1.19E-08	2.89E-07	6.37E-08	9.17E-08	1.45E-07	2.56E-08	2.94E-08	6.56E-07
1341	493677.33	3860302.55	2.65E-03	2.86E-03	4.55E-03	9.16E-07	2.77E-06	1.60E-06	1.73E-06	1.57E-06	7.15E-07	1.14E-06	3.06E-08	7.39E-07	1.63E-07	2.35E-07	3.72E-07	6.56E-08	7.51E-08	1.68E-06
1342	493727.33	3860302.55	2.64E-03	2.85E-03	4.53E-03	9.13E-07	2.76E-06	1.60E-06	1.72E-06	1.56E-06	7.13E-07	1.13E-06	3.05E-08	7.37E-07	1.63E-07	2.34E-07	3.71E-07	6.54E-08	7.48E-08	1.67E-06
1343	493777.33	3860302.55	2.63E-03	2.84E-03	4.52E-03	9.10E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.11E-07	1.13E-06	3.04E-08	7.34E-07	1.62E-07	2.33E-07	3.70E-07	6.52E-08	7.46E-08	1.67E-06
1344	493827.33	3860302.55	2.62E-03	2.83E-03	4.51E-03	9.07E-07	2.74E-06	1.59E-06	1.71E-06	1.55E-06	7.08E-07	1.13E-06	3.03E-08	7.32E-07	1.62E-07	2.33E-07	3.69E-07	6.50E-08	7.44E-08	1.66E-06
1345	493877.33	3860302.55	2.61E-03	2.82E-03	4.49E-03	9.04E-07	2.73E-06	1.58E-06	1.71E-06	1.55E-06	7.06E-07	1.12E-06	3.02E-08	7.29E-07	1.61E-07	2.32E-07	3.68E-07	6.48E-08	7.41E-08	1.66E-06
1346	493927.33	3860302.55	2.60E-03	2.81E-03	4.47E-03	9.01E-07	2.72E-06	1.57E-06	1.70E-06	1.54E-06	7.03E-07	1.12E-06	3.01E-08	7.27E-07	1.60E-07	2.31E-07	3.66E-07	6.45E-08	7.38E-08	1.65E-06
1347	493977.33	3860302.55	2.60E-03	2.80E-03	4.46E-03	8.98E-07	2.71E-06	1.57E-06	1.70E-06	1.54E-06	7.01E-07	1.12E-06	3.00E-08	7.25E-07	1.60E-07	2.30E-07	3.65E-07	6.44E-08	7.37E-08	1.65E-06
1348	494027.33	3860302.55	2.59E-03	2.79E-03	4.45E-03	8.96E-07	2.70E-06	1.57E-06	1.69E-06	1.53E-06	6.99E-07	1.11E-06	2.99E-08	7.22E-07	1.59E-07	2.29E-07	3.64E-07	6.42E-08	7.34E-08	1.64E-06
1349	493677.33	3860352.55	2.60E-03	2.80E-03	4.46E-03	8.98E-07	2.71E-06	1.57E-06	1.70E-06	1.54E-06	7.01E-07	1.12E-06	3.00E-08	7.25E-07	1.60E-07	2.30E-07	3.65E-07	6.44E-08	7.36E-08	1.65E-06
1350	493727.33	3860352.55	2.59E-03	2.79E-03	4.44E-03	8.95E-07	2.70E-06	1.56E-06	1.69E-06	1.53E-06	6.99E-07	1.11E-06	2.99E-08	7.22E-07	1.59E-07	2.29E-07	3.64E-07	6.41E-08	7.34E-08	1.64E-06

1351	493777.33	3860352.55	2.58E-03	2.78E-03	4.43E-03	8.92E-07	2.69E-06	1.56E-06	1.68E-06	1.53E-06	6.96E-07	1.11E-06	2.98E-08	7.20E-07	1.59E-07	2.29E-07	3.63E-07	6.39E-08	7.31E-08	1.64E-06
1352	493827.33	3860352.55	2.57E-03	2.77E-03	4.42E-03	8.89E-07	2.69E-06	1.55E-06	1.68E-06	1.52E-06	6.94E-07	1.10E-06	2.97E-08	7.17E-07	1.58E-07	2.28E-07	3.62E-07	6.37E-08	7.29E-08	1.63E-06
1353	493877.33	3860352.55	2.56E-03	2.77E-03	4.40E-03	8.87E-07	2.68E-06	1.55E-06	1.67E-06	1.52E-06	6.92E-07	1.10E-06	2.96E-08	7.15E-07	1.58E-07	2.27E-07	3.60E-07	6.35E-08	7.27E-08	1.63E-06
1354	493927.33	3860352.55	2.55E-03	2.76E-03	4.39E-03	8.84E-07	2.67E-06	1.55E-06	1.67E-06	1.51E-06	6.90E-07	1.10E-06	2.95E-08	7.13E-07	1.57E-07	2.27E-07	3.60E-07	6.34E-08	7.25E-08	1.62E-06
1355	493977.33	3860352.55	2.55E-03	2.75E-03	4.38E-03	8.82E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.89E-07	1.10E-06	2.95E-08	7.11E-07	1.57E-07	2.26E-07	3.59E-07	6.32E-08	7.23E-08	1.62E-06
1356	494027.33	3860352.55	2.54E-03	2.74E-03	4.37E-03	8.79E-07	2.65E-06	1.54E-06	1.66E-06	1.50E-06	6.86E-07	1.09E-06	2.94E-08	7.09E-07	1.56E-07	2.25E-07	3.57E-07	6.30E-08	7.21E-08	1.61E-06
1357	493677.33	3860402.55	2.54E-03	2.74E-03	4.37E-03	8.80E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.87E-07	1.09E-06	2.94E-08	7.10E-07	1.57E-07	2.25E-07	3.58E-07	6.30E-08	7.21E-08	1.61E-06
1358	493727.33	3860402.55	2.53E-03	2.74E-03	4.35E-03	8.77E-07	2.65E-06	1.53E-06	1.66E-06	1.50E-06	6.85E-07	1.09E-06	2.93E-08	7.07E-07	1.56E-07	2.25E-07	3.57E-07	6.28E-08	7.19E-08	1.61E-06
1359	493777.33	3860402.55	2.53E-03	2.73E-03	4.35E-03	8.75E-07	2.64E-06	1.53E-06	1.65E-06	1.50E-06	6.83E-07	1.09E-06	2.92E-08	7.06E-07	1.56E-07	2.24E-07	3.56E-07	6.27E-08	7.18E-08	1.61E-06
1360	493827.33	3860402.55	2.52E-03	2.72E-03	4.33E-03	8.72E-07	2.63E-06	1.52E-06	1.65E-06	1.49E-06	6.81E-07	1.08E-06	2.91E-08	7.04E-07	1.55E-07	2.24E-07	3.55E-07	6.25E-08	7.15E-08	1.60E-06
1361	493877.33	3860402.55	2.51E-03	2.71E-03	4.32E-03	8.69E-07	2.62E-06	1.52E-06	1.64E-06	1.49E-06	6.79E-07	1.08E-06	2.90E-08	7.01E-07	1.55E-07	2.23E-07	3.53E-07	6.23E-08	7.13E-08	1.59E-06
1362	493927.33	3860402.55	2.51E-03	2.71E-03	4.31E-03	8.68E-07	2.62E-06	1.52E-06	1.64E-06	1.48E-06	6.77E-07	1.08E-06	2.90E-08	7.00E-07	1.54E-07	2.22E-07	3.53E-07	6.22E-08	7.11E-08	1.59E-06
1363	493977.33	3860402.55	2.50E-03	2.70E-03	4.30E-03	8.66E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.76E-07	1.08E-06	2.89E-08	6.98E-07	1.54E-07	2.22E-07	3.52E-07	6.20E-08	7.10E-08	1.59E-06
1364	494027.33	3860402.55	2.49E-03	2.69E-03	4.29E-03	8.63E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.74E-07	1.07E-06	2.88E-08	6.96E-07	1.54E-07	2.21E-07	3.51E-07	6.18E-08	7.07E-08	1.58E-06
1365	493677.33	3860452.55	2.49E-03	2.69E-03	4.28E-03	8.63E-07	2.60E-06	1.51E-06	1.63E-06	1.48E-06	6.73E-07	1.07E-06	2.88E-08	6.96E-07	1.54E-07	2.21E-07	3.51E-07	6.18E-08	7.07E-08	1.58E-06
1366	493727.33	3860452.55	2.48E-03	2.68E-03	4.26E-03	8.59E-07	2.59E-06	1.50E-06	1.62E-06	1.47E-06	6.71E-07	1.07E-06	2.87E-08	6.93E-07	1.53E-07	2.20E-07	3.49E-07	6.15E-08	7.04E-08	1.58E-06
1367	493777.33	3860452.55	2.47E-03	2.67E-03	4.25E-03	8.56E-07	2.59E-06	1.50E-06	1.62E-06	1.47E-06	6.69E-07	1.06E-06	2.86E-08	6.91E-07	1.52E-07	2.19E-07	3.48E-07	6.14E-08	7.02E-08	1.57E-06
1368	493827.33	3860452.55	2.47E-03	2.67E-03	4.24E-03	8.55E-07	2.58E-06	1.49E-06	1.61E-06	1.46E-06	6.67E-07	1.06E-06	2.85E-08	6.89E-07	1.52E-07	2.19E-07	3.47E-07	6.12E-08	7.01E-08	1.57E-06
1369	493877.33	3860452.55	2.46E-03	2.66E-03	4.23E-03	8.53E-07	2.57E-06	1.49E-06	1.61E-06	1.46E-06	6.66E-07	1.06E-06	2.85E-08	6.88E-07	1.52E-07	2.19E-07	3.47E-07	6.11E-08	6.99E-08	1.56E-06
1370	493927.33	3860452.55	2.46E-03	2.66E-03	4.23E-03	8.52E-07	2.57E-06	1.49E-06	1.61E-06	1.46E-06	6.65E-07	1.06E-06	2.84E-08	6.87E-07	1.52E-07	2.18E-07	3.46E-07	6.10E-08	6.98E-08	1.56E-06
1371	493977.33	3860452.55	2.45E-03	2.65E-03	4.22E-03	8.49E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.63E-07	1.06E-06	2.84E-08	6.85E-07	1.51E-07	2.18E-07	3.45E-07	6.08E-08	6.96E-08	1.56E-06
1372	494027.33	3860452.55	2.45E-03	2.64E-03	4.20E-03	8.46E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.61E-07	1.05E-06	2.83E-08	6.83E-07	1.51E-07	2.17E-07	3.44E-07	6.06E-08	6.94E-08	1.55E-06
1373	493677.33	3860502.55	2.44E-03	2.64E-03	4.20E-03	8.45E-07	2.55E-06	1.48E-06	1.60E-06	1.45E-06	6.60E-07	1.05E-06	2.82E-08	6.82E-07	1.50E-07	2.17E-07	3.44E-07	6.06E-08	6.93E-08	1.55E-06
1374	493727.33	3860502.55	2.43E-03	2.63E-03	4.18E-03	8.42E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.58E-07	1.05E-06	2.81E-08	6.79E-07	1.50E-07	2.16E-07	3.42E-07	6.03E-08	6.90E-08	1.55E-06
1375	493777.33	3860502.55	2.43E-03	2.62E-03	4.17E-03	8.40E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.56E-07	1.04E-06	2.80E-08	6.77E-07	1.49E-07	2.15E-07	3.41E-07	6.02E-08	6.88E-08	1.54E-06
1376	493827.33	3860502.55	2.42E-03	2.61E-03	4.16E-03	8.38E-07	2.53E-06	1.46E-06	1.58E-06	1.43E-06	6.54E-07	1.04E-06	2.80E-08	6.76E-07	1.49E-07	2.15E-07	3.41E-07	6.00E-08	6.86E-08	1.54E-06
1377	493877.33	3860502.55	2.42E-03	2.61E-03	4.15E-03	8.36E-07	2.52E-06	1.46E-06	1.58E-06	1.43E-06	6.53E-07	1.04E-06	2.79E-08	6.74E-07	1.49E-07	2.14E-07	3.40E-07	5.99E-08	6.85E-08	1.53E-06
1378	493927.33	3860502.55	2.41E-03	2.60E-03	4.15E-03	8.35E-07	2.52E-06	1.46E-06	1.58E-06	1.43E-06	6.52E-07	1.04E-06	2.79E-08	6.73E-07	1.49E-07	2.14E-07	3.39E-07	5.98E-08	6.84E-08	1.53E-06
1379	493977.33	3860502.55	2.40E-03	2.60E-03	4.13E-03	8.32E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.50E-07	1.03E-06	2.78E-08	6.71E-07	1.48E-07	2.13E-07	3.38E-07	5.96E-08	6.82E-08	1.53E-06
1380	494027.33	3860502.55	2.40E-03	2.59E-03	4.12E-03	8.30E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.48E-07	1.03E-06	2.77E-08	6.69E-07	1.48E-07	2.13E-07	3.37E-07	5.95E-08	6.81E-08	1.52E-06
1381	493627.33	3860552.55	2.40E-03	2.59E-03	4.12E-03	8.30E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.48E-07	1.03E-06	2.77E-08	6.70E-07	1.48E-07	2.13E-07	3.38E-07	5.95E-08	6.80E-08	1.52E-06
1382	493677.33	3860552.55	2.39E-03	2.58E-03	4.11E-03	8.28E-07	2.50E-06	1.45E-06	1.56E-06	1.42E-06	6.46E-07	1.03E-06	2.76E-08	6.67E-07	1.47E-07	2.12E-07	3.36E-07	5.93E-08	6.78E-08	1.52E-06
1383	493727.33	3860552.55	2.38E-03	2.57E-03	4.09E-03	8.25E-07	2.49E-06	1.44E-06	1.56E-06	1.41E-06	6.44E-07	1.02E-06	2.75E-08	6.65E-07	1.47E-07	2.11E-07	3.35E-07	5.91E-08	6.76E-08	1.51E-06
1384	493777.33	3860552.55	2.38E-03	2.57E-03	4.08E-03	8.23E-07	2.48E-06	1.44E-06	1.55E-06	1.41E-06	6.42E-07	1.02E-06	2.75E-08	6.64E-07	1.46E-07	2.11E-07	3.35E-07	5.90E-08	6.74E-08	1.51E-06
1385	493827.33	3860552.55	2.37E-03	2.56E-03	4.08E-03	8.22E-07	2.48E-06	1.44E-06	1.55E-06	1.41E-06	6.42E-07	1.02E-06	2.74E-08	6.63E-07	1.46E-07	2.11E-07	3.34E-07	5.89E-08	6.73E-08	1.51E-06
1386	493877.33	3860552.55	2.37E-03	2.56E-03	4.07E-03	8.19E-07	2.47E-06	1.43E-06	1.55E-06	1.40E-06	6.40E-07	1.02E-06	2.74E-08	6.61E-07	1.46E-07	2.10E-07	3.33E-07	5.87E-08	6.71E-08	1.50E-06
1387	493927.33	3860552.55	2.36E-03	2.55E-03	4.06E-03	8.18E-07	2.47E-06	1.43E-06	1.54E-06	1.40E-06	6.38E-07	1.02E-06	2.73E-08	6.60E-07	1.46E-07	2.10E-07	3.32E-07	5.86E-08	6.70E-08	1.50E-06
1388	493977.33	3860552.55	2.36E-03	2.55E-03	4.05E-03	8.16E-07	2.47E-06	1.43E-06	1.54E-06	1.40E-06	6.37E-07	1.01E-06	2.73E-08	6.59E-07	1.45E-07	2.09E-07	3.32E-07	5.85E-08	6.69E-08	1.50E-06
1389	494027.33	3860552.55	2.35E-03	2.54E-03	4.04E-03	8.14E-07	2.46E-06	1.42E-06	1.54E-06	1.39E-06	6.35E-07	1.01E-06	2.72E-08	6.57E-07	1.45E-07	2.09E-07	3.31E-07	5.83E-08	6.67E-08	1.49E-06
1390	493627.33	3860602.55	2.35E-03	2.54E-03	4.04E-03	8.13E-07	2.46E-06	1.42E-06	1.53E-06	1.39E-06	6.35E-07	1.01E-06	2.72E-08	6.56E-07	1.45E-07	2.08E-07	3.31E-07	5.83E-08	6.66E-08	1.49E-06
1391	493727.33	3860602.55	2.33E-03	2.52E-03	4.00E-03	8.07E-07	2.44E-06	1.41E-06	1.52E-06	1.38E-06	6.30E-07	1.00E-06	2.69E-08	6.51E-07	1.44E-07	2.07E-07	3.28E-07	5.78E-08	6.61E-08	1.48E-06
1392	493777.33	3860602.55	2.33E-03	2.52E-03	4.00E-03	8.06E-07	2.43E-06	1.41E-06	1.52E-06	1.38E-06	6.30E-07	1.00E-06	2.69E-08	6.50E-07	1.44E-07	2.07E-07	3.28E-07	5.78E-08	6.61E-08	1.48E-06
1393	493827.33	3860602.55	2.32E-03	2.51E-03	3.99E-03	8.05E-07	2.43E-06	1.41E-06	1.52E-06	1.38E-06	6.28E-07	9.99E-07	2.69E-08	6.49E-07	1.43E-07	2.06E-07	3.27E-07	5.76E-08	6.59E-08	1.48E-06
1394	493877.33	3860602.55	2.32E-03	2.51E-03	3.99E-03	8.04E-07	2.43E-06	1.40E-06	1.52E-06	1.38E-06	6.27E-07	9.99E-07	2.68E-08	6.48E-07	1.43E-07	2.06E-07	3.27E-07	5.76E-08	6.59E-08	1.47E-06
1395	493927.33	3860602.55	2.32E-03	2.50E-03	3.98E-03	8.02E-07	2.42E-06	1.40E-06	1.51E-06	1.37E-06	6.26E-07	9.97E-07	2.68E-08	6.47E-07	1.43E-07	2.06E-07	3.26E-07	5.75E-08	6.57E-08	1.47E-06
1396	493977.33	3860602.55	2.31E-03	2.50E-03	3.98E-03	8.01E-07	2.42E-06	1.40E-06	1.51E-06	1.37E-06	6.25E-07	9.95E-07	2.67E-08	6.46E-07	1.43E-07	2.05E-07	3.25E-07	5.74E-08	6.56E-08	1.47E-06
1397	494027.33	3860602.55	2.31E-03	2.49E-03	3.96E-03	7.98E-07	2.41E-06	1.39E-06	1.51E-06	1.37E-06	6.23E-07	9.92E-07	2.66E-08	6.44E-07	1.42E-07	2.05E-07	3.24E-07	5.72E-08	6.54E-08	1.46E-06
1398	493627.33	3860652.55	2.30E-03	2.48E-03	3.95E-03	7.96E-07	2.40E-06	1.39E-06	1.50E-06	1.36E-06	6.21E-07	9.88E-07	2.66E-08	6.42E-07	1.42E-07	2.04E-07	3.24E-07	5.70E-08	6.52E-08	1.46E-06
1399	493727.33	3860652.55	2.28E-03	2.46E-03	3.92E-03	7.90E-07	2.39E-06	1.38E-06	1.49E-06	1.35E-06	6.17E-07	9.81E-07	2.64E-08	6.37E-07	1.41E-07	2.02E-07	3.21E-07	5.66E-08	6.47E-08	1.45E-06
1400	493777.33	3860652.55	2.28E-03	2.46E-03	3.92E-03	7.89E-07	2.38E-06	1.38E-06	1.49E-06	1.35E-06	6.16E-07	9.80E-07	2.64E-08	6.37E-07	1.41E-07	2.02E-07	3.21E-07	5.66E-08	6.47E-08	1.45E-06
1401	493827.33	3860652.55	2.28E-03	2.46E-03	3.91E-03	7.89E-07	2.38E-06	1.38E-06	1.49E-06	1.35E-06	6.16E-07	9.79E-07	2.63E-08	6.36E-07	1.40E-07	2.02E-07	3.21E-07	5.65E-08	6.46E-08	1.45E-06
1402	493877.33	3860652.55	2.28E-03	2.46E-03	3.91E-03	7.88E-07	2.38E-06	1.38E-06	1.49E-06	1.35E-06	6.15E-07	9.79E-07	2.63E-08	6.36E-07	1.40E-07	2.02E-07	3.20E-07	5.65E-08	6.46E-08	1.45E-06
1403	493927.33	3860652.55	2.27E-03	2.45E-03	3.90E-03	7.86E-07	2.37E-06	1.37E-06	1.48E-06	1.35E-06	6.14E-07	9.77E-07	2.63E-08	6.34E-07	1.40E-07	2.02E-07	3.20E-07	5.63E-08	6.45E-08	1.44E-06
1404	493977.33	3860652.55	2.27E-03	2.45E-03	3.90E-03	7.85E-07	2.37E-06	1.37E-06	1.48E-06	1.34E-06	6.13E-07	9.75E-07	2.62E-08	6.33E-07	1.40E-07	2.01E-07	3.19E-07	5.62E-08	6.43E-08	1.44E-06
1405	494027.33	3860652.55	2.26E-03	2.44E-03	3.89E-03	7.84E-07	2.37E-06	1.37E-06	1.48E-06	1.34E-06	6.12E-07	9.74E-07	2.62E-08	6.32E-07	1.39E-07	2.01E-07	3.19E-07	5.61E-08	6.42E-08	1.44E-06
1406	494311.06	3858401.99	2.58E-03	2.78E-03	4.43E-03	8.92E-07	2.69E-06	1.56E-06	1.68E-06	1.53E-06	6.96E-07	1.11E-06	2.98E-08	7.20E-07	1.59E-07	2.29E-07	3.63E-07	6.39E-08	7.31E-08	1.64E-06
1407	494361.06	3858401.99	2.53E-03	2.73E-03	4.35E-03	8.76E-07	2.65E-06	1.53E-06	1.65E-06	1.50E-06	6.84E-07	1.09E-06	2.93E-08	7.07E-07	1.56E-07	2.25E-07	3.56E-07	6.28E-08	7.18E-08	1.61E-06
1408	494411.06	3858401.99	2.50E-03	2.70E-03	4.30E-03	8.65E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.76E-07	1.08E-06	2.89E-08	6.98E-07	1.54E-07	2.22E-07	3.52E-07	6.20E-08	7.09E-08	1.59E-06
1409	494461.06	3858401.99	2.48E-03	2.68E-03	4.27E-03	8.60E-07	2.60E-06	1.50E-06	1.62E-06	1.47E-06	6.71E-07	1.07E-06	2.87E-08	6.94E-07	1.53E-07	2.20E-07	3.50E-07	6.16E-08	7.05E-08	1.58E-06

1410	494511.06	3858401.99	2.45E-03	2.65E-03	4.21E-03	8.48E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.62E-07	1.05E-06	2.83E-08	6.84E-07	1.51E-07	2.17E-07	3.45E-07	6.08E-08	6.95E-08	1.56E-06
1411	494561.06	3858401.99	2.43E-03	2.63E-03	4.18E-03	8.42E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.58E-07	1.05E-06	2.81E-08	6.79E-07	1.50E-07	2.16E-07	3.42E-07	6.03E-08	6.91E-08	1.55E-06
1412	494611.06	3858401.99	2.40E-03	2.59E-03	4.12E-03	8.31E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.48E-07	1.03E-06	2.77E-08	6.70E-07	1.48E-07	2.13E-07	3.38E-07	5.95E-08	6.81E-08	1.52E-06
1413	494661.06	3858401.99	2.37E-03	2.56E-03	4.08E-03	8.21E-07	2.48E-06	1.43E-06	1.55E-06	1.40E-06	6.41E-07	1.02E-06	2.74E-08	6.62E-07	1.46E-07	2.10E-07	3.34E-07	5.88E-08	6.73E-08	1.51E-06
1414	494711.06	3858401.99	2.33E-03	2.51E-03	4.00E-03	8.06E-07	2.43E-06	1.41E-06	1.52E-06	1.38E-06	6.29E-07	1.00E-06	2.69E-08	6.50E-07	1.43E-07	2.07E-07	3.28E-07	5.77E-08	6.61E-08	1.48E-06
1415	494761.06	3858401.99	2.31E-03	2.49E-03	3.96E-03	7.98E-07	2.41E-06	1.39E-06	1.51E-06	1.37E-06	6.23E-07	9.92E-07	2.66E-08	6.44E-07	1.42E-07	2.05E-07	3.24E-07	5.72E-08	6.54E-08	1.46E-06
1416	494811.06	3858401.99	2.27E-03	2.45E-03	3.91E-03	7.87E-07	2.38E-06	1.38E-06	1.49E-06	1.35E-06	6.14E-07	9.78E-07	2.63E-08	6.35E-07	1.40E-07	2.02E-07	3.20E-07	5.64E-08	6.45E-08	1.44E-06
1417	494861.06	3858401.99	2.24E-03	2.42E-03	3.86E-03	7.77E-07	2.35E-06	1.36E-06	1.47E-06	1.33E-06	6.07E-07	9.66E-07	2.59E-08	6.27E-07	1.38E-07	1.99E-07	3.16E-07	5.57E-08	6.37E-08	1.43E-06
1418	494911.06	3858401.99	2.22E-03	2.39E-03	3.81E-03	7.67E-07	2.32E-06	1.34E-06	1.45E-06	1.31E-06	5.99E-07	9.53E-07	2.56E-08	6.19E-07	1.37E-07	1.97E-07	3.12E-07	5.50E-08	6.29E-08	1.41E-06
1419	494961.06	3858401.99	2.19E-03	2.36E-03	3.76E-03	7.57E-07	2.29E-06	1.32E-06	1.43E-06	1.30E-06	5.91E-07	9.41E-07	2.53E-08	6.11E-07	1.35E-07	1.94E-07	3.08E-07	5.42E-08	6.21E-08	1.39E-06
1420	495011.06	3858401.99	2.15E-03	2.32E-03	3.70E-03	7.44E-07	2.25E-06	1.30E-06	1.40E-06	1.27E-06	5.81E-07	9.25E-07	2.49E-08	6.00E-07	1.32E-07	1.91E-07	3.03E-07	5.33E-08	6.10E-08	1.37E-06
1421	495061.06	3858401.99	2.12E-03	2.29E-03	3.64E-03	7.34E-07	2.22E-06	1.28E-06	1.39E-06	1.26E-06	5.73E-07	9.12E-07	2.45E-08	5.92E-07	1.31E-07	1.88E-07	2.98E-07	5.26E-08	6.02E-08	1.35E-06
1422	495111.06	3858401.99	2.07E-03	2.23E-03	3.55E-03	7.16E-07	2.16E-06	1.25E-06	1.35E-06	1.22E-06	5.59E-07	8.89E-07	2.39E-08	5.77E-07	1.27E-07	1.83E-07	2.91E-07	5.13E-08	5.86E-08	1.31E-06
1423	495161.06	3858401.99	2.06E-03	2.22E-03	3.53E-03	7.12E-07	2.15E-06	1.24E-06	1.34E-06	1.22E-06	5.56E-07	8.84E-07	2.38E-08	5.74E-07	1.27E-07	1.82E-07	2.89E-07	5.10E-08	5.83E-08	1.31E-06
1424	495211.06	3858401.99	2.01E-03	2.17E-03	3.45E-03	6.96E-07	2.10E-06	1.22E-06	1.31E-06	1.19E-06	5.43E-07	8.64E-07	2.32E-08	5.61E-07	1.24E-07	1.78E-07	2.83E-07	4.99E-08	5.70E-08	1.28E-06
1425	495261.06	3858401.99	1.98E-03	2.14E-03	3.41E-03	6.87E-07	2.07E-06	1.20E-06	1.30E-06	1.18E-06	5.36E-07	8.54E-07	2.29E-08	5.54E-07	1.22E-07	1.76E-07	2.79E-07	4.92E-08	5.63E-08	1.26E-06
1426	495311.06	3858401.99	1.96E-03	2.11E-03	3.36E-03	6.78E-07	2.05E-06	1.18E-06	1.28E-06	1.16E-06	5.29E-07	8.42E-07	2.26E-08	5.47E-07	1.21E-07	1.74E-07	2.76E-07	4.86E-08	5.55E-08	1.24E-06
1427	495361.06	3858401.99	1.94E-03	2.09E-03	3.33E-03	6.71E-07	2.03E-06	1.17E-06	1.27E-06	1.15E-06	5.24E-07	8.34E-07	2.24E-08	5.41E-07	1.19E-07	1.72E-07	2.73E-07	4.81E-08	5.50E-08	1.23E-06
1428	495411.06	3858401.99	1.93E-03	2.08E-03	3.31E-03	6.68E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.21E-07	8.29E-07	2.23E-08	5.39E-07	1.19E-07	1.71E-07	2.71E-07	4.78E-08	5.47E-08	1.22E-06
1429	495461.06	3858401.99	1.92E-03	2.07E-03	3.30E-03	6.65E-07	2.01E-06	1.16E-06	1.26E-06	1.14E-06	5.19E-07	8.26E-07	2.22E-08	5.36E-07	1.18E-07	1.70E-07	2.70E-07	4.76E-08	5.45E-08	1.22E-06
1430	495511.06	3858401.99	1.91E-03	2.06E-03	3.28E-03	6.62E-07	2.00E-06	1.16E-06	1.25E-06	1.13E-06	5.16E-07	8.22E-07	2.21E-08	5.34E-07	1.18E-07	1.70E-07	2.69E-07	4.74E-08	5.42E-08	1.21E-06
1431	495561.06	3858401.99	1.89E-03	2.04E-03	3.24E-03	6.53E-07	1.97E-06	1.14E-06	1.23E-06	1.12E-06	5.10E-07	8.11E-07	2.18E-08	5.26E-07	1.16E-07	1.67E-07	2.65E-07	4.68E-08	5.35E-08	1.20E-06
1432	495611.06	3858401.99	1.88E-03	2.03E-03	3.22E-03	6.49E-07	1.96E-06	1.13E-06	1.23E-06	1.11E-06	5.07E-07	8.07E-07	2.17E-08	5.24E-07	1.16E-07	1.66E-07	2.64E-07	4.65E-08	5.32E-08	1.19E-06
1433	495661.06	3858401.99	1.89E-03	2.04E-03	3.24E-03	6.53E-07	1.97E-06	1.14E-06	1.23E-06	1.12E-06	5.10E-07	8.12E-07	2.18E-08	5.27E-07	1.16E-07	1.67E-07	2.66E-07	4.68E-08	5.35E-08	1.20E-06
1434	494311.06	3858451.99	2.63E-03	2.84E-03	4.52E-03	9.10E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.10E-07	1.13E-06	3.04E-08	7.34E-07	1.62E-07	2.33E-07	3.70E-07	6.52E-08	7.46E-08	1.67E-06
1435	494361.06	3858451.99	2.59E-03	2.80E-03	4.45E-03	8.97E-07	2.71E-06	1.57E-06	1.69E-06	1.53E-06	7.00E-07	1.11E-06	2.99E-08	7.23E-07	1.60E-07	2.30E-07	3.64E-07	6.42E-08	7.35E-08	1.64E-06
1436	494411.06	3858451.99	2.56E-03	2.76E-03	4.40E-03	8.85E-07	2.67E-06	1.55E-06	1.67E-06	1.52E-06	6.91E-07	1.10E-06	2.96E-08	7.14E-07	1.58E-07	2.27E-07	3.60E-07	6.34E-08	7.26E-08	1.62E-06
1437	494461.06	3858451.99	2.53E-03	2.73E-03	4.35E-03	8.76E-07	2.64E-06	1.53E-06	1.65E-06	1.50E-06	6.84E-07	1.09E-06	2.92E-08	7.06E-07	1.56E-07	2.24E-07	3.56E-07	6.27E-08	7.18E-08	1.61E-06
1438	494511.06	3858451.99	2.51E-03	2.71E-03	4.32E-03	8.70E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.79E-07	1.08E-06	2.90E-08	7.01E-07	1.55E-07	2.23E-07	3.53E-07	6.23E-08	7.13E-08	1.60E-06
1439	494561.06	3858451.99	2.48E-03	2.67E-03	4.26E-03	8.57E-07	2.59E-06	1.50E-06	1.62E-06	1.47E-06	6.69E-07	1.07E-06	2.86E-08	6.91E-07	1.53E-07	2.20E-07	3.48E-07	6.14E-08	7.03E-08	1.57E-06
1440	494611.06	3858451.99	2.45E-03	2.65E-03	4.21E-03	8.48E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.62E-07	1.05E-06	2.83E-08	6.84E-07	1.51E-07	2.17E-07	3.45E-07	6.08E-08	6.95E-08	1.56E-06
1441	494661.06	3858451.99	2.42E-03	2.61E-03	4.16E-03	8.38E-07	2.53E-06	1.46E-06	1.58E-06	1.43E-06	6.54E-07	1.04E-06	2.80E-08	6.76E-07	1.49E-07	2.15E-07	3.41E-07	6.00E-08	6.87E-08	1.54E-06
1442	494711.06	3858451.99	2.38E-03	2.57E-03	4.10E-03	8.25E-07	2.49E-06	1.44E-06	1.56E-06	1.41E-06	6.44E-07	1.03E-06	2.76E-08	6.66E-07	1.47E-07	2.11E-07	3.35E-07	5.91E-08	6.76E-08	1.51E-06
1443	494761.06	3858451.99	2.35E-03	2.53E-03	4.04E-03	8.13E-07	2.45E-06	1.42E-06	1.53E-06	1.39E-06	6.34E-07	1.01E-06	2.71E-08	6.55E-07	1.45E-07	2.08E-07	3.30E-07	5.82E-08	6.66E-08	1.49E-06
1444	494811.06	3858451.99	2.32E-03	2.50E-03	3.98E-03	8.02E-07	2.42E-06	1.40E-06	1.51E-06	1.37E-06	6.26E-07	9.97E-07	2.68E-08	6.47E-07	1.43E-07	2.06E-07	3.26E-07	5.75E-08	6.58E-08	1.47E-06
1445	494861.06	3858451.99	2.28E-03	2.47E-03	3.93E-03	7.91E-07	2.39E-06	1.38E-06	1.49E-06	1.35E-06	6.17E-07	9.82E-07	2.64E-08	6.38E-07	1.41E-07	2.03E-07	3.21E-07	5.66E-08	6.48E-08	1.45E-06
1446	494911.06	3858451.99	2.24E-03	2.42E-03	3.85E-03	7.76E-07	2.34E-06	1.36E-06	1.47E-06	1.33E-06	6.06E-07	9.65E-07	2.59E-08	6.26E-07	1.38E-07	1.99E-07	3.16E-07	5.56E-08	6.36E-08	1.42E-06
1447	494961.06	3858451.99	2.21E-03	2.38E-03	3.80E-03	7.64E-07	2.31E-06	1.34E-06	1.44E-06	1.31E-06	5.97E-07	9.50E-07	2.55E-08	6.17E-07	1.36E-07	1.96E-07	3.11E-07	5.48E-08	6.27E-08	1.40E-06
1448	495011.06	3858451.99	2.17E-03	2.34E-03	3.73E-03	7.51E-07	2.27E-06	1.31E-06	1.42E-06	1.28E-06	5.86E-07	9.33E-07	2.51E-08	6.06E-07	1.34E-07	1.92E-07	3.05E-07	5.38E-08	6.15E-08	1.38E-06
1449	495061.06	3858451.99	2.15E-03	2.32E-03	3.70E-03	7.44E-07	2.25E-06	1.30E-06	1.40E-06	1.27E-06	5.81E-07	9.25E-07	2.49E-08	6.00E-07	1.32E-07	1.91E-07	3.03E-07	5.33E-08	6.10E-08	1.37E-06
1450	495111.06	3858451.99	2.11E-03	2.28E-03	3.63E-03	7.31E-07	2.21E-06	1.28E-06	1.38E-06	1.25E-06	5.71E-07	9.08E-07	2.44E-08	5.90E-07	1.30E-07	1.87E-07	2.97E-07	5.24E-08	5.99E-08	1.34E-06
1451	495161.06	3858451.99	2.07E-03	2.23E-03	3.56E-03	7.16E-07	2.16E-06	1.25E-06	1.35E-06	1.23E-06	5.59E-07	8.90E-07	2.39E-08	5.78E-07	1.27E-07	1.84E-07	2.91E-07	5.13E-08	5.87E-08	1.31E-06
1452	495211.06	3858451.99	2.03E-03	2.19E-03	3.49E-03	7.03E-07	2.12E-06	1.23E-06	1.33E-06	1.20E-06	5.49E-07	8.73E-07	2.35E-08	5.67E-07	1.25E-07	1.80E-07	2.86E-07	5.04E-08	5.76E-08	1.29E-06
1453	495261.06	3858451.99	2.01E-03	2.17E-03	3.45E-03	6.94E-07	2.10E-06	1.21E-06	1.31E-06	1.19E-06	5.42E-07	8.63E-07	2.32E-08	5.60E-07	1.24E-07	1.78E-07	2.82E-07	4.98E-08	5.69E-08	1.27E-06
1454	495311.06	3858451.99	1.99E-03	2.14E-03	3.41E-03	6.87E-07	2.08E-06	1.20E-06	1.30E-06	1.18E-06	5.37E-07	8.54E-07	2.30E-08	5.54E-07	1.22E-07	1.76E-07	2.79E-07	4.92E-08	5.63E-08	1.26E-06
1455	495361.06	3858451.99	1.97E-03	2.12E-03	3.38E-03	6.81E-07	2.06E-06	1.19E-06	1.29E-06	1.17E-06	5.32E-07	8.46E-07	2.27E-08	5.49E-07	1.21E-07	1.75E-07	2.77E-07	4.88E-08	5.58E-08	1.25E-06
1456	495411.06	3858451.99	1.96E-03	2.12E-03	3.37E-03	6.78E-07	2.05E-06	1.19E-06	1.28E-06	1.16E-06	5.29E-07	8.43E-07	2.26E-08	5.47E-07	1.21E-07	1.74E-07	2.76E-07	4.86E-08	5.56E-08	1.24E-06
1457	495461.06	3858451.99	1.95E-03	2.11E-03	3.36E-03	6.76E-07	2.04E-06	1.18E-06	1.28E-06	1.16E-06	5.28E-07	8.40E-07	2.26E-08	5.45E-07	1.20E-07	1.73E-07	2.75E-07	4.84E-08	5.54E-08	1.24E-06
1458	495511.06	3858451.99	1.93E-03	2.09E-03	3.32E-03	6.69E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.22E-07	8.31E-07	2.23E-08	5.40E-07	1.19E-07	1.71E-07	2.72E-07	4.79E-08	5.48E-08	1.23E-06
1459	495561.06	3858451.99	1.93E-03	2.09E-03	3.32E-03	6.69E-07	2.02E-06	1.17E-06	1.26E-06	1.15E-06	5.23E-07	8.32E-07	2.24E-08	5.40E-07	1.19E-07	1.72E-07	2.72E-07	4.80E-08	5.48E-08	1.23E-06
1460	495611.06	3858451.99	1.91E-03	2.06E-03	3.28E-03	6.61E-07	2.00E-06	1.16E-06	1.25E-06	1.13E-06	5.16E-07	8.21E-07	2.21E-08	5.33E-07	1.18E-07	1.69E-07	2.69E-07	4.73E-08	5.42E-08	1.21E-06
1461	495661.06	3858451.99	1.91E-03	2.06E-03	3.27E-03	6.60E-07	1.99E-06	1.15E-06	1.24E-06	1.13E-06	5.15E-07	8.19E-07	2.20E-08	5.32E-07	1.17E-07	1.69E-07	2.68E-07	4.72E-08	5.40E-08	1.21E-06
1462	494311.06	3858501.99	2.64E-03	2.85E-03	4.53E-03	9.12E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.12E-07	1.13E-06	3.05E-08	7.36E-07	1.62E-07	2.34E-07	3.71E-07	6.54E-08	7.48E-08	1.67E-06
1463	494361.06	3858501.99	2.61E-03	2.82E-03	4.49E-03	9.03E-07	2.73E-06	1.58E-06	1.71E-06	1.55E-06	7.05E-07	1.12E-06	3.02E-08	7.29E-07	1.61E-07	2.32E-07	3.67E-07	6.47E-08	7.41E-08	1.66E-06
1464	494411.06	3858501.99	2.58E-03	2.79E-03	4.44E-03	8.93E-07	2.70E-06	1.56E-06	1.69E-06	1.53E-06	6.97E-07	1.11E-06	2.98E-08	7.20E-07	1.59E-07	2.29E-07	3.63E-07	6.40E-08	7.32E-08	1.64E-06
1465	494461.06	3858501.99	2.56E-03	2.77E-03	4.40E-03	8.87E-07	2.68E-06	1.55E-06	1.67E-06	1.52E-06	6.92E-07	1.10E-06	2.96E-08	7.15E-07	1.58E-07	2.27E-07	3.60E-07	6.35E-08	7.27E-08	1.63E-06
1466	494511.06	3858501.99	2.52E-03	2.72E-03	4.34E-03	8.73E-07	2.64E-06	1.53E-06	1.65E-06	1.49E-06	6.82E-07	1.09E-06	2.92E-08	7.04E-07	1.55E-07	2.24E-07	3.55E-07	6.26E-08	7.16E-08	1.60E-06
1467	494561.06	3858501.99	2.52E-03	2.72E-03	4.34E-03	8.73E-07	2.64E-06	1.53E-06	1.65E-06	1.49E-06	6.82E-07	1.09E-06	2.92E-08	7.05E-07	1.55E-07	2.24E-07	3.55E-07	6.26E-08	7.16E-08	1.60E-06
1468	494611.06	3858501.99	2.49E-03	2.69E-03	4.28E-03	8.62E-07	2.60E-06	1.51E-06	1.63E-06	1.47E-06	6.73E-07	1.07E-06	2.88E-08	6.95E-07	1.53E-07	2.21E-07	3.50E-07	6.18E-08	7.07E-08	1.58E-06

1469	494661.06	3858501.99	2.47E-03	2.66E-03	4.24E-03	8.54E-07	2.58E-06	1.49E-06	1.61E-06	1.46E-06	6.67E-07	1.06E-06	2.85E-08	6.89E-07	1.52E-07	2.19E-07	3.47E-07	6.12E-08	7.00E-08	1.57E-06
1470	494711.06	3858501.99	2.43E-03	2.62E-03	4.18E-03	8.41E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.57E-07	1.05E-06	2.81E-08	6.79E-07	1.50E-07	2.16E-07	3.42E-07	6.03E-08	6.90E-08	1.54E-06
1471	494761.06	3858501.99	2.39E-03	2.58E-03	4.10E-03	8.26E-07	2.50E-06	1.44E-06	1.56E-06	1.41E-06	6.45E-07	1.03E-06	2.76E-08	6.67E-07	1.47E-07	2.12E-07	3.36E-07	5.92E-08	6.78E-08	1.52E-06
1472	494811.06	3858501.99	2.35E-03	2.54E-03	4.04E-03	8.13E-07	2.45E-06	1.42E-06	1.53E-06	1.39E-06	6.35E-07	1.01E-06	2.71E-08	6.56E-07	1.45E-07	2.08E-07	3.30E-07	5.82E-08	6.66E-08	1.49E-06
1473	494861.06	3858501.99	2.32E-03	2.51E-03	3.99E-03	8.04E-07	2.43E-06	1.40E-06	1.52E-06	1.37E-06	6.27E-07	9.99E-07	2.68E-08	6.48E-07	1.43E-07	2.06E-07	3.27E-07	5.76E-08	6.59E-08	1.47E-06
1474	494911.06	3858501.99	2.27E-03	2.45E-03	3.90E-03	7.85E-07	2.37E-06	1.37E-06	1.48E-06	1.34E-06	6.13E-07	9.76E-07	2.62E-08	6.33E-07	1.40E-07	2.01E-07	3.19E-07	5.63E-08	6.44E-08	1.44E-06
1475	494961.06	3858501.99	2.24E-03	2.42E-03	3.85E-03	7.76E-07	2.34E-06	1.36E-06	1.46E-06	1.33E-06	6.06E-07	9.64E-07	2.59E-08	6.26E-07	1.38E-07	1.99E-07	3.15E-07	5.56E-08	6.36E-08	1.42E-06
1476	495011.06	3858501.99	2.20E-03	2.37E-03	3.77E-03	7.60E-07	2.30E-06	1.33E-06	1.44E-06	1.30E-06	5.94E-07	9.45E-07	2.54E-08	6.13E-07	1.35E-07	1.95E-07	3.09E-07	5.45E-08	6.23E-08	1.39E-06
1477	495061.06	3858501.99	2.18E-03	2.35E-03	3.74E-03	7.54E-07	2.28E-06	1.32E-06	1.42E-06	1.29E-06	5.88E-07	9.36E-07	2.52E-08	6.08E-07	1.34E-07	1.93E-07	3.06E-07	5.40E-08	6.18E-08	1.38E-06
1478	495111.06	3858501.99	2.12E-03	2.29E-03	3.65E-03	7.35E-07	2.22E-06	1.28E-06	1.39E-06	1.26E-06	5.74E-07	9.13E-07	2.45E-08	5.93E-07	1.31E-07	1.88E-07	2.99E-07	5.26E-08	6.02E-08	1.35E-06
1479	495161.06	3858501.99	2.09E-03	2.25E-03	3.59E-03	7.23E-07	2.18E-06	1.26E-06	1.36E-06	1.24E-06	5.64E-07	8.98E-07	2.41E-08	5.83E-07	1.29E-07	1.85E-07	2.94E-07	5.18E-08	5.92E-08	1.33E-06
1480	495211.06	3858501.99	2.05E-03	2.22E-03	3.53E-03	7.11E-07	2.15E-06	1.24E-06	1.34E-06	1.22E-06	5.55E-07	8.83E-07	2.37E-08	5.73E-07	1.27E-07	1.82E-07	2.89E-07	5.09E-08	5.82E-08	1.30E-06
1481	495261.06	3858501.99	2.03E-03	2.19E-03	3.49E-03	7.02E-07	2.12E-06	1.23E-06	1.33E-06	1.20E-06	5.48E-07	8.72E-07	2.35E-08	5.66E-07	1.25E-07	1.80E-07	2.85E-07	5.03E-08	5.75E-08	1.29E-06
1482	495311.06	3858501.99	2.01E-03	2.17E-03	3.46E-03	6.97E-07	2.11E-06	1.22E-06	1.32E-06	1.19E-06	5.44E-07	8.66E-07	2.33E-08	5.62E-07	1.24E-07	1.79E-07	2.83E-07	4.99E-08	5.71E-08	1.28E-06
1483	495361.06	3858501.99	2.00E-03	2.16E-03	3.44E-03	6.92E-07	2.09E-06	1.21E-06	1.31E-06	1.18E-06	5.41E-07	8.60E-07	2.31E-08	5.58E-07	1.23E-07	1.77E-07	2.81E-07	4.96E-08	5.67E-08	1.27E-06
1484	495411.06	3858501.99	1.99E-03	2.15E-03	3.42E-03	6.89E-07	2.08E-06	1.20E-06	1.30E-06	1.18E-06	5.38E-07	8.56E-07	2.30E-08	5.56E-07	1.23E-07	1.77E-07	2.80E-07	4.94E-08	5.65E-08	1.26E-06
1485	495461.06	3858501.99	1.98E-03	2.14E-03	3.41E-03	6.86E-07	2.07E-06	1.20E-06	1.29E-06	1.17E-06	5.35E-07	8.52E-07	2.29E-08	5.53E-07	1.22E-07	1.76E-07	2.79E-07	4.91E-08	5.62E-08	1.26E-06
1486	495511.06	3858501.99	1.97E-03	2.13E-03	3.38E-03	6.81E-07	2.06E-06	1.19E-06	1.29E-06	1.17E-06	5.32E-07	8.46E-07	2.27E-08	5.50E-07	1.21E-07	1.75E-07	2.77E-07	4.88E-08	5.58E-08	1.25E-06
1487	495561.06	3858501.99	1.97E-03	2.13E-03	3.38E-03	6.81E-07	2.06E-06	1.19E-06	1.29E-06	1.17E-06	5.32E-07	8.47E-07	2.28E-08	5.50E-07	1.21E-07	1.75E-07	2.77E-07	4.88E-08	5.58E-08	1.25E-06
1488	495611.06	3858501.99	1.94E-03	2.10E-03	3.34E-03	6.73E-07	2.03E-06	1.18E-06	1.27E-06	1.15E-06	5.25E-07	8.36E-07	2.25E-08	5.43E-07	1.20E-07	1.72E-07	2.73E-07	4.82E-08	5.51E-08	1.23E-06
1489	495661.06	3858501.99	1.94E-03	2.10E-03	3.34E-03	6.73E-07	2.03E-06	1.18E-06	1.27E-06	1.15E-06	5.25E-07	8.36E-07	2.25E-08	5.43E-07	1.20E-07	1.72E-07	2.73E-07	4.82E-08	5.51E-08	1.23E-06
1490	494311.06	3858551.99	2.59E-03	2.79E-03	4.45E-03	8.96E-07	2.70E-06	1.57E-06	1.69E-06	1.53E-06	6.99E-07	1.11E-06	2.99E-08	7.23E-07	1.59E-07	2.30E-07	3.64E-07	6.42E-08	7.34E-08	1.64E-06
1491	494361.06	3858551.99	2.60E-03	2.81E-03	4.47E-03	9.01E-07	2.72E-06	1.57E-06	1.70E-06	1.54E-06	7.03E-07	1.12E-06	3.01E-08	7.27E-07	1.60E-07	2.31E-07	3.66E-07	6.45E-08	7.39E-08	1.65E-06
1492	494411.06	3858551.99	2.62E-03	2.83E-03	4.50E-03	9.07E-07	2.74E-06	1.59E-06	1.71E-06	1.55E-06	7.08E-07	1.13E-06	3.03E-08	7.31E-07	1.61E-07	2.32E-07	3.69E-07	6.50E-08	7.44E-08	1.66E-06
1493	494461.06	3858551.99	2.61E-03	2.82E-03	4.49E-03	9.04E-07	2.73E-06	1.58E-06	1.71E-06	1.55E-06	7.05E-07	1.12E-06	3.02E-08	7.29E-07	1.61E-07	2.32E-07	3.67E-07	6.47E-08	7.41E-08	1.66E-06
1494	494511.06	3858551.99	2.59E-03	2.79E-03	4.45E-03	8.96E-07	2.70E-06	1.57E-06	1.69E-06	1.53E-06	6.99E-07	1.11E-06	2.99E-08	7.23E-07	1.59E-07	2.30E-07	3.64E-07	6.42E-08	7.35E-08	1.64E-06
1495	494561.06	3858551.99	2.57E-03	2.77E-03	4.41E-03	8.89E-07	2.68E-06	1.55E-06	1.68E-06	1.52E-06	6.94E-07	1.10E-06	2.97E-08	7.17E-07	1.58E-07	2.28E-07	3.61E-07	6.37E-08	7.29E-08	1.63E-06
1496	494611.06	3858551.99	2.54E-03	2.74E-03	4.37E-03	8.80E-07	2.66E-06	1.54E-06	1.66E-06	1.50E-06	6.87E-07	1.09E-06	2.94E-08	7.09E-07	1.57E-07	2.25E-07	3.58E-07	6.30E-08	7.21E-08	1.61E-06
1497	494661.06	3858551.99	2.52E-03	2.72E-03	4.33E-03	8.71E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.80E-07	1.08E-06	2.91E-08	7.03E-07	1.55E-07	2.23E-07	3.54E-07	6.24E-08	7.14E-08	1.60E-06
1498	494711.06	3858551.99	2.47E-03	2.67E-03	4.25E-03	8.57E-07	2.59E-06	1.50E-06	1.62E-06	1.47E-06	6.69E-07	1.06E-06	2.86E-08	6.91E-07	1.52E-07	2.19E-07	3.48E-07	6.14E-08	7.02E-08	1.57E-06
1499	494761.06	3858551.99	2.43E-03	2.63E-03	4.18E-03	8.42E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.57E-07	1.05E-06	2.81E-08	6.79E-07	1.50E-07	2.16E-07	3.42E-07	6.03E-08	6.90E-08	1.54E-06
1500	494811.06	3858551.99	2.40E-03	2.59E-03	4.13E-03	8.31E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.49E-07	1.03E-06	2.77E-08	6.70E-07	1.48E-07	2.13E-07	3.38E-07	5.95E-08	6.81E-08	1.52E-06
1501	494861.06	3858551.99	2.36E-03	2.55E-03	4.05E-03	8.16E-07	2.46E-06	1.43E-06	1.54E-06	1.40E-06	6.37E-07	1.01E-06	2.73E-08	6.58E-07	1.45E-07	2.09E-07	3.32E-07	5.85E-08	6.69E-08	1.50E-06
1502	494911.06	3858551.99	2.31E-03	2.50E-03	3.97E-03	8.00E-07	2.42E-06	1.40E-06	1.51E-06	1.37E-06	6.25E-07	9.95E-07	2.67E-08	6.45E-07	1.42E-07	2.05E-07	3.25E-07	5.73E-08	6.56E-08	1.47E-06
1503	494961.06	3858551.99	2.27E-03	2.46E-03	3.91E-03	7.87E-07	2.38E-06	1.38E-06	1.49E-06	1.35E-06	6.15E-07	9.79E-07	2.63E-08	6.35E-07	1.40E-07	2.02E-07	3.20E-07	5.64E-08	6.45E-08	1.44E-06
1504	495011.06	3858551.99	2.23E-03	2.41E-03	3.83E-03	7.71E-07	2.33E-06	1.35E-06	1.46E-06	1.32E-06	6.02E-07	9.58E-07	2.58E-08	6.22E-07	1.37E-07	1.98E-07	3.13E-07	5.52E-08	6.32E-08	1.41E-06
1505	495061.06	3858551.99	2.20E-03	2.37E-03	3.78E-03	7.61E-07	2.30E-06	1.33E-06	1.44E-06	1.30E-06	5.94E-07	9.46E-07	2.54E-08	6.14E-07	1.36E-07	1.95E-07	3.09E-07	5.45E-08	6.24E-08	1.40E-06
1506	495111.06	3858551.99	2.14E-03	2.32E-03	3.68E-03	7.42E-07	2.24E-06	1.30E-06	1.40E-06	1.27E-06	5.79E-07	9.22E-07	2.48E-08	5.99E-07	1.32E-07	1.90E-07	3.02E-07	5.32E-08	6.08E-08	1.36E-06
1507	495161.06	3858551.99	2.11E-03	2.28E-03	3.62E-03	7.30E-07	2.20E-06	1.28E-06	1.38E-06	1.25E-06	5.70E-07	9.07E-07	2.44E-08	5.89E-07	1.30E-07	1.87E-07	2.97E-07	5.23E-08	5.98E-08	1.34E-06
1508	495211.06	3858551.99	2.08E-03	2.24E-03	3.57E-03	7.19E-07	2.17E-06	1.26E-06	1.36E-06	1.23E-06	5.61E-07	8.93E-07	2.40E-08	5.80E-07	1.28E-07	1.84E-07	2.92E-07	5.15E-08	5.89E-08	1.32E-06
1509	495261.06	3858551.99	2.06E-03	2.22E-03	3.53E-03	7.12E-07	2.15E-06	1.24E-06	1.34E-06	1.22E-06	5.56E-07	8.84E-07	2.38E-08	5.74E-07	1.27E-07	1.82E-07	2.89E-07	5.10E-08	5.83E-08	1.31E-06
1510	495311.06	3858551.99	2.04E-03	2.21E-03	3.51E-03	7.08E-07	2.14E-06	1.24E-06	1.34E-06	1.21E-06	5.52E-07	8.79E-07	2.36E-08	5.71E-07	1.26E-07	1.81E-07	2.88E-07	5.07E-08	5.80E-08	1.30E-06
1511	495361.06	3858551.99	2.03E-03	2.19E-03	3.49E-03	7.03E-07	2.12E-06	1.23E-06	1.33E-06	1.20E-06	5.49E-07	8.73E-07	2.35E-08	5.67E-07	1.25E-07	1.80E-07	2.86E-07	5.04E-08	5.76E-08	1.29E-06
1512	495411.06	3858551.99	2.02E-03	2.19E-03	3.48E-03	7.01E-07	2.12E-06	1.22E-06	1.32E-06	1.20E-06	5.47E-07	8.71E-07	2.34E-08	5.65E-07	1.25E-07	1.80E-07	2.85E-07	5.02E-08	5.74E-08	1.29E-06
1513	495461.06	3858551.99	2.01E-03	2.17E-03	3.46E-03	6.97E-07	2.10E-06	1.22E-06	1.32E-06	1.19E-06	5.44E-07	8.66E-07	2.33E-08	5.62E-07	1.24E-07	1.79E-07	2.83E-07	4.99E-08	5.71E-08	1.28E-06
1514	495511.06	3858551.99	2.01E-03	2.17E-03	3.45E-03	6.95E-07	2.10E-06	1.21E-06	1.31E-06	1.19E-06	5.42E-07	8.63E-07	2.32E-08	5.60E-07	1.24E-07	1.78E-07	2.82E-07	4.98E-08	5.69E-08	1.27E-06
1515	495561.06	3858551.99	2.00E-03	2.16E-03	3.43E-03	6.91E-07	2.09E-06	1.21E-06	1.30E-06	1.18E-06	5.39E-07	8.58E-07	2.31E-08	5.57E-07	1.23E-07	1.77E-07	2.81E-07	4.95E-08	5.66E-08	1.27E-06
1516	495611.06	3858551.99	1.98E-03	2.14E-03	3.41E-03	6.86E-07	2.07E-06	1.20E-06	1.29E-06	1.17E-06	5.36E-07	8.53E-07	2.29E-08	5.53E-07	1.22E-07	1.76E-07	2.79E-07	4.92E-08	5.62E-08	1.26E-06
1517	495661.06	3858551.99	1.97E-03	2.12E-03	3.38E-03	6.81E-07	2.06E-06	1.19E-06	1.28E-06	1.16E-06	5.31E-07	8.46E-07	2.27E-08	5.49E-07	1.21E-07	1.74E-07	2.77E-07	4.88E-08	5.58E-08	1.25E-06
1518	494311.06	3858601.99	2.47E-03	2.67E-03	4.24E-03	8.54E-07	2.58E-06	1.49E-06	1.61E-06	1.46E-06	6.67E-07	1.06E-06	2.85E-08	6.89E-07	1.52E-07	2.19E-07	3.47E-07	6.12E-08	7.00E-08	1.57E-06
1519	494361.06	3858601.99	2.58E-03	2.79E-03	4.44E-03	8.94E-07	2.70E-06	1.56E-06	1.69E-06	1.53E-06	6.98E-07	1.11E-06	2.99E-08	7.21E-07	1.59E-07	2.29E-07	3.63E-07	6.41E-08	7.33E-08	1.64E-06
1520	494411.06	3858601.99	2.67E-03	2.89E-03	4.60E-03	9.25E-07	2.79E-06	1.62E-06	1.75E-06	1.58E-06	7.23E-07	1.15E-06	3.09E-08	7.47E-07	1.65E-07	2.37E-07	3.76E-07	6.63E-08	7.59E-08	1.70E-06
1521	494461.06	3858601.99	2.66E-03	2.88E-03	4.58E-03	9.22E-07	2.78E-06	1.61E-06	1.74E-06	1.58E-06	7.20E-07	1.15E-06	3.08E-08	7.43E-07	1.64E-07	2.36E-07	3.75E-07	6.60E-08	7.56E-08	1.69E-06
1522	494511.06	3858601.99	2.63E-03	2.84E-03	4.52E-03	9.09E-07	2.74E-06	1.59E-06	1.72E-06	1.56E-06	7.10E-07	1.13E-06	3.04E-08	7.33E-07	1.62E-07	2.33E-07	3.70E-07	6.51E-08	7.46E-08	1.67E-06
1523	494561.06	3858601.99	2.63E-03	2.84E-03	4.52E-03	9.09E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.10E-07	1.13E-06	3.04E-08	7.33E-07	1.62E-07	2.33E-07	3.70E-07	6.51E-08	7.46E-08	1.67E-06
1524	494611.06	3858601.99	2.59E-03	2.80E-03	4.45E-03	8.97E-07	2.71E-06	1.57E-06	1.69E-06	1.53E-06	7.00E-07	1.11E-06	2.99E-08	7.23E-07	1.60E-07	2.30E-07	3.64E-07	6.42E-08	7.35E-08	1.64E-06
1525	494661.06	3858601.99	2.56E-03	2.77E-03	4.41E-03	8.87E-07	2.68E-06	1.55E-06	1.67E-06	1.52E-06	6.93E-07	1.10E-06	2.96E-08	7.16E-07	1.58E-07	2.27E-07	3.61E-07	6.36E-08	7.28E-08	1.63E-06
1526	494711.06	3858601.99	2.52E-03	2.72E-03	4.34E-03	8.73E-07	2.64E-06	1.53E-06	1.65E-06	1.49E-06	6.82E-07	1.09E-06	2.92E-08	7.04E-07	1.55E-07	2.24E-07	3.55E-07	6.26E-08	7.16E-08	1.60E-06
1527	494761.06	3858601.99	2.48E-03	2.68E-03	4.27E-03	8.59E-07	2.59E-06	1.50E-06	1.62E-06	1.47E-06	6.71E-07	1.07E-06	2.87E-08	6.93E-07	1.53E-07	2.20E-07	3.49E-07	6.15E-08	7.04E-08	1.58E-06

1528	494811.06	3858601.99	2.42E-03	2.62E-03	4.17E-03	8.39E-07	2.53E-06	1.47E-06	1.58E-06	1.44E-06	6.55E-07	1.04E-06	2.80E-08	6.77E-07	1.49E-07	2.15E-07	3.41E-07	6.01E-08	6.88E-08	1.54E-06
1529	494861.06	3858601.99	2.39E-03	2.58E-03	4.11E-03	8.28E-07	2.50E-06	1.45E-06	1.56E-06	1.42E-06	6.46E-07	1.03E-06	2.76E-08	6.68E-07	1.47E-07	2.12E-07	3.37E-07	5.93E-08	6.79E-08	1.52E-06
1530	494911.06	3858601.99	2.34E-03	2.52E-03	4.02E-03	8.09E-07	2.44E-06	1.41E-06	1.53E-06	1.38E-06	6.32E-07	1.01E-06	2.70E-08	6.53E-07	1.44E-07	2.07E-07	3.29E-07	5.80E-08	6.63E-08	1.48E-06
1531	494961.06	3858601.99	2.30E-03	2.48E-03	3.95E-03	7.96E-07	2.40E-06	1.39E-06	1.50E-06	1.36E-06	6.22E-07	9.90E-07	2.66E-08	6.42E-07	1.42E-07	2.04E-07	3.24E-07	5.71E-08	6.53E-08	1.46E-06
1532	495011.06	3858601.99	2.26E-03	2.44E-03	3.89E-03	7.83E-07	2.36E-06	1.37E-06	1.48E-06	1.34E-06	6.11E-07	9.73E-07	2.61E-08	6.31E-07	1.39E-07	2.01E-07	3.18E-07	5.61E-08	6.42E-08	1.44E-06
1533	495061.06	3858601.99	2.22E-03	2.40E-03	3.82E-03	7.69E-07	2.32E-06	1.34E-06	1.45E-06	1.32E-06	6.00E-07	9.55E-07	2.57E-08	6.20E-07	1.37E-07	1.97E-07	3.13E-07	5.51E-08	6.30E-08	1.41E-06
1534	495111.06	3858601.99	2.16E-03	2.34E-03	3.72E-03	7.49E-07	2.26E-06	1.31E-06	1.41E-06	1.28E-06	5.84E-07	9.30E-07	2.50E-08	6.04E-07	1.33E-07	1.92E-07	3.04E-07	5.36E-08	6.14E-08	1.37E-06
1535	495161.06	3858601.99	2.13E-03	2.30E-03	3.66E-03	7.38E-07	2.23E-06	1.29E-06	1.39E-06	1.26E-06	5.76E-07	9.16E-07	2.46E-08	5.95E-07	1.31E-07	1.89E-07	3.00E-07	5.28E-08	6.04E-08	1.35E-06
1536	495211.06	3858601.99	2.11E-03	2.28E-03	3.63E-03	7.30E-07	2.21E-06	1.28E-06	1.38E-06	1.25E-06	5.70E-07	9.07E-07	2.44E-08	5.89E-07	1.30E-07	1.87E-07	2.97E-07	5.23E-08	5.99E-08	1.34E-06
1537	495261.06	3858601.99	2.09E-03	2.25E-03	3.59E-03	7.22E-07	2.18E-06	1.26E-06	1.36E-06	1.24E-06	5.64E-07	8.97E-07	2.41E-08	5.83E-07	1.29E-07	1.85E-07	2.94E-07	5.17E-08	5.92E-08	1.32E-06
1538	495311.06	3858601.99	2.07E-03	2.23E-03	3.56E-03	7.16E-07	2.16E-06	1.25E-06	1.35E-06	1.23E-06	5.59E-07	8.90E-07	2.39E-08	5.78E-07	1.27E-07	1.84E-07	2.91E-07	5.13E-08	5.87E-08	1.31E-06
1539	495361.06	3858601.99	2.06E-03	2.22E-03	3.54E-03	7.13E-07	2.15E-06	1.25E-06	1.35E-06	1.22E-06	5.56E-07	8.85E-07	2.38E-08	5.75E-07	1.27E-07	1.83E-07	2.90E-07	5.11E-08	5.84E-08	1.31E-06
1540	495411.06	3858601.99	2.05E-03	2.21E-03	3.52E-03	7.09E-07	2.14E-06	1.24E-06	1.34E-06	1.21E-06	5.54E-07	8.81E-07	2.37E-08	5.72E-07	1.26E-07	1.82E-07	2.88E-07	5.08E-08	5.81E-08	1.30E-06
1541	495461.06	3858601.99	2.04E-03	2.20E-03	3.51E-03	7.06E-07	2.13E-06	1.23E-06	1.33E-06	1.21E-06	5.51E-07	8.78E-07	2.36E-08	5.70E-07	1.26E-07	1.81E-07	2.87E-07	5.06E-08	5.79E-08	1.30E-06
1542	495511.06	3858601.99	2.02E-03	2.18E-03	3.48E-03	7.00E-07	2.11E-06	1.22E-06	1.32E-06	1.20E-06	5.47E-07	8.70E-07	2.34E-08	5.65E-07	1.25E-07	1.79E-07	2.85E-07	5.02E-08	5.74E-08	1.28E-06
1543	495561.06	3858601.99	2.02E-03	2.18E-03	3.47E-03	6.99E-07	2.11E-06	1.22E-06	1.32E-06	1.20E-06	5.46E-07	8.68E-07	2.33E-08	5.64E-07	1.24E-07	1.79E-07	2.84E-07	5.01E-08	5.73E-08	1.28E-06
1544	495611.06	3858601.99	2.00E-03	2.16E-03	3.43E-03	6.92E-07	2.09E-06	1.21E-06	1.31E-06	1.18E-06	5.40E-07	8.59E-07	2.31E-08	5.58E-07	1.23E-07	1.77E-07	2.81E-07	4.96E-08	5.67E-08	1.27E-06
1545	495661.06	3858601.99	1.99E-03	2.15E-03	3.42E-03	6.89E-07	2.08E-06	1.21E-06	1.30E-06	1.18E-06	5.38E-07	8.57E-07	2.30E-08	5.56E-07	1.23E-07	1.77E-07	2.80E-07	4.94E-08	5.65E-08	1.26E-06
1546	494311.06	3858651.99	2.44E-03	2.64E-03	4.20E-03	8.46E-07	2.55E-06	1.48E-06	1.60E-06	1.45E-06	6.60E-07	1.05E-06	2.82E-08	6.82E-07	1.51E-07	2.17E-07	3.44E-07	6.06E-08	6.93E-08	1.55E-06
1547	494361.06	3858651.99	2.55E-03	2.76E-03	4.39E-03	8.84E-07	2.67E-06	1.55E-06	1.67E-06	1.51E-06	6.90E-07	1.10E-06	2.95E-08	7.13E-07	1.57E-07	2.27E-07	3.60E-07	6.34E-08	7.25E-08	1.62E-06
1548	494411.06	3858651.99	2.69E-03	2.90E-03	4.63E-03	9.31E-07	2.81E-06	1.63E-06	1.76E-06	1.59E-06	7.27E-07	1.16E-06	3.11E-08	7.51E-07	1.66E-07	2.39E-07	3.79E-07	6.67E-08	7.64E-08	1.71E-06
1549	494461.06	3858651.99	2.70E-03	2.92E-03	4.65E-03	9.36E-07	2.83E-06	1.64E-06	1.77E-06	1.60E-06	7.31E-07	1.16E-06	3.13E-08	7.55E-07	1.67E-07	2.40E-07	3.81E-07	6.71E-08	7.68E-08	1.72E-06
1550	494511.06	3858651.99	2.68E-03	2.90E-03	4.61E-03	9.28E-07	2.80E-06	1.62E-06	1.75E-06	1.59E-06	7.25E-07	1.15E-06	3.10E-08	7.49E-07	1.65E-07	2.38E-07	3.77E-07	6.65E-08	7.61E-08	1.70E-06
1551	494561.06	3858651.99	2.67E-03	2.88E-03	4.58E-03	9.23E-07	2.79E-06	1.61E-06	1.74E-06	1.58E-06	7.20E-07	1.15E-06	3.08E-08	7.44E-07	1.64E-07	2.36E-07	3.75E-07	6.61E-08	7.57E-08	1.69E-06
1552	494611.06	3858651.99	2.64E-03	2.85E-03	4.55E-03	9.15E-07	2.76E-06	1.60E-06	1.73E-06	1.57E-06	7.14E-07	1.14E-06	3.06E-08	7.38E-07	1.63E-07	2.34E-07	3.72E-07	6.56E-08	7.50E-08	1.68E-06
1553	494661.06	3858651.99	2.61E-03	2.82E-03	4.49E-03	9.03E-07	2.73E-06	1.58E-06	1.70E-06	1.55E-06	7.05E-07	1.12E-06	3.02E-08	7.28E-07	1.61E-07	2.31E-07	3.67E-07	6.47E-08	7.41E-08	1.66E-06
1554	494711.06	3858651.99	2.56E-03	2.77E-03	4.41E-03	8.87E-07	2.68E-06	1.55E-06	1.67E-06	1.52E-06	6.93E-07	1.10E-06	2.96E-08	7.15E-07	1.58E-07	2.27E-07	3.61E-07	6.36E-08	7.28E-08	1.63E-06
1555	494761.06	3858651.99	2.53E-03	2.73E-03	4.34E-03	8.74E-07	2.64E-06	1.53E-06	1.65E-06	1.50E-06	6.83E-07	1.09E-06	2.92E-08	7.05E-07	1.56E-07	2.24E-07	3.55E-07	6.26E-08	7.17E-08	1.60E-06
1556	494811.06	3858651.99	2.47E-03	2.67E-03	4.25E-03	8.56E-07	2.59E-06	1.50E-06	1.62E-06	1.46E-06	6.68E-07	1.06E-06	2.86E-08	6.91E-07	1.52E-07	2.19E-07	3.48E-07	6.13E-08	7.02E-08	1.57E-06
1557	494861.06	3858651.99	2.42E-03	2.62E-03	4.17E-03	8.39E-07	2.53E-06	1.47E-06	1.58E-06	1.44E-06	6.55E-07	1.04E-06	2.80E-08	6.77E-07	1.49E-07	2.15E-07	3.41E-07	6.01E-08	6.88E-08	1.54E-06
1558	494911.06	3858651.99	2.37E-03	2.56E-03	4.08E-03	8.21E-07	2.48E-06	1.43E-06	1.55E-06	1.40E-06	6.41E-07	1.02E-06	2.74E-08	6.62E-07	1.46E-07	2.10E-07	3.34E-07	5.88E-08	6.73E-08	1.51E-06
1559	494961.06	3858651.99	2.32E-03	2.51E-03	4.00E-03	8.05E-07	2.43E-06	1.41E-06	1.52E-06	1.38E-06	6.28E-07	1.00E-06	2.69E-08	6.49E-07	1.43E-07	2.06E-07	3.27E-07	5.76E-08	6.60E-08	1.48E-06
1560	495011.06	3858651.99	2.29E-03	2.47E-03	3.93E-03	7.92E-07	2.39E-06	1.38E-06	1.49E-06	1.36E-06	6.18E-07	9.84E-07	2.64E-08	6.39E-07	1.41E-07	2.03E-07	3.22E-07	5.67E-08	6.49E-08	1.45E-06
1561	495061.06	3858651.99	2.25E-03	2.43E-03	3.86E-03	7.78E-07	2.35E-06	1.36E-06	1.47E-06	1.33E-06	6.07E-07	9.67E-07	2.60E-08	6.27E-07	1.38E-07	1.99E-07	3.16E-07	5.57E-08	6.38E-08	1.43E-06
1562	495111.06	3858651.99	2.20E-03	2.37E-03	3.78E-03	7.61E-07	2.30E-06	1.33E-06	1.44E-06	1.30E-06	5.94E-07	9.46E-07	2.54E-08	6.14E-07	1.35E-07	1.95E-07	3.09E-07	5.45E-08	6.24E-08	1.40E-06
1563	495161.06	3858651.99	2.17E-03	2.34E-03	3.73E-03	7.51E-07	2.27E-06	1.31E-06	1.42E-06	1.28E-06	5.86E-07	9.33E-07	2.51E-08	6.06E-07	1.34E-07	1.92E-07	3.05E-07	5.38E-08	6.15E-08	1.38E-06
1564	495211.06	3858651.99	2.13E-03	2.30E-03	3.67E-03	7.38E-07	2.23E-06	1.29E-06	1.39E-06	1.26E-06	5.77E-07	9.18E-07	2.47E-08	5.96E-07	1.31E-07	1.89E-07	3.00E-07	5.29E-08	6.05E-08	1.35E-06
1565	495261.06	3858651.99	2.12E-03	2.29E-03	3.65E-03	7.35E-07	2.22E-06	1.28E-06	1.39E-06	1.26E-06	5.74E-07	9.13E-07	2.45E-08	5.93E-07	1.31E-07	1.88E-07	2.99E-07	5.26E-08	6.02E-08	1.35E-06
1566	495311.06	3858651.99	2.10E-03	2.27E-03	3.62E-03	7.28E-07	2.20E-06	1.27E-06	1.37E-06	1.25E-06	5.69E-07	9.05E-07	2.43E-08	5.87E-07	1.30E-07	1.87E-07	2.96E-07	5.22E-08	5.97E-08	1.34E-06
1567	495361.06	3858651.99	2.09E-03	2.26E-03	3.60E-03	7.24E-07	2.19E-06	1.27E-06	1.37E-06	1.24E-06	5.65E-07	9.00E-07	2.42E-08	5.84E-07	1.29E-07	1.86E-07	2.94E-07	5.19E-08	5.94E-08	1.33E-06
1568	495411.06	3858651.99	2.08E-03	2.25E-03	3.58E-03	7.22E-07	2.18E-06	1.26E-06	1.36E-06	1.23E-06	5.63E-07	8.97E-07	2.41E-08	5.82E-07	1.28E-07	1.85E-07	2.93E-07	5.17E-08	5.92E-08	1.32E-06
1569	495461.06	3858651.99	2.08E-03	2.25E-03	3.58E-03	7.21E-07	2.18E-06	1.26E-06	1.36E-06	1.23E-06	5.63E-07	8.96E-07	2.41E-08	5.81E-07	1.28E-07	1.85E-07	2.93E-07	5.16E-08	5.91E-08	1.32E-06
1570	495511.06	3858651.99	2.06E-03	2.23E-03	3.54E-03	7.13E-07	2.15E-06	1.25E-06	1.35E-06	1.22E-06	5.57E-07	8.87E-07	2.38E-08	5.75E-07	1.27E-07	1.83E-07	2.90E-07	5.11E-08	5.85E-08	1.31E-06
1571	495561.06	3858651.99	2.05E-03	2.21E-03	3.52E-03	7.08E-07	2.14E-06	1.24E-06	1.34E-06	1.21E-06	5.53E-07	8.80E-07	2.36E-08	5.71E-07	1.26E-07	1.81E-07	2.88E-07	5.07E-08	5.80E-08	1.30E-06
1572	495611.06	3858651.99	2.02E-03	2.18E-03	3.47E-03	7.00E-07	2.11E-06	1.22E-06	1.32E-06	1.20E-06	5.46E-07	8.69E-07	2.34E-08	5.64E-07	1.25E-07	1.79E-07	2.84E-07	5.01E-08	5.73E-08	1.28E-06
1573	495661.06	3858651.99	2.01E-03	2.17E-03	3.46E-03	6.97E-07	2.10E-06	1.22E-06	1.32E-06	1.19E-06	5.44E-07	8.66E-07	2.33E-08	5.62E-07	1.24E-07	1.79E-07	2.83E-07	4.99E-08	5.71E-08	1.28E-06
1574	494311.06	3858701.99	2.47E-03	2.67E-03	4.25E-03	8.56E-07	2.59E-06	1.50E-06	1.62E-06	1.47E-06	6.69E-07	1.06E-06	2.86E-08	6.91E-07	1.52E-07	2.19E-07	3.48E-07	6.14E-08	7.02E-08	1.57E-06
1575	494361.06	3858701.99	2.63E-03	2.84E-03	4.53E-03	9.12E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.12E-07	1.13E-06	3.04E-08	7.35E-07	1.62E-07	2.34E-07	3.71E-07	6.53E-08	7.48E-08	1.67E-06
1576	494411.06	3858701.99	2.73E-03	2.95E-03	4.69E-03	9.44E-07	2.85E-06	1.65E-06	1.78E-06	1.62E-06	7.37E-07	1.17E-06	3.15E-08	7.62E-07	1.68E-07	2.42E-07	3.84E-07	6.77E-08	7.75E-08	1.73E-06
1577	494461.06	3858701.99	2.73E-03	2.94E-03	4.69E-03	9.43E-07	2.85E-06	1.65E-06	1.78E-06	1.61E-06	7.37E-07	1.17E-06	3.15E-08	7.61E-07	1.68E-07	2.42E-07	3.84E-07	6.76E-08	7.74E-08	1.73E-06
1578	494511.06	3858701.99	2.72E-03	2.94E-03	4.69E-03	9.43E-07	2.85E-06	1.65E-06	1.78E-06	1.61E-06	7.36E-07	1.17E-06	3.15E-08	7.61E-07	1.68E-07	2.42E-07	3.83E-07	6.76E-08	7.74E-08	1.73E-06
1579	494561.06	3858701.99	2.70E-03	2.92E-03	4.65E-03	9.36E-07	2.82E-06	1.64E-06	1.77E-06	1.60E-06	7.30E-07	1.16E-06	3.12E-08	7.55E-07	1.67E-07	2.40E-07	3.80E-07	6.70E-08	7.68E-08	1.72E-06
1580	494611.06	3858701.99	2.65E-03	2.86E-03	4.55E-03	9.16E-07	2.77E-06	1.60E-06	1.73E-06	1.57E-06	7.15E-07	1.14E-06	3.06E-08	7.39E-07	1.63E-07	2.35E-07	3.72E-07	6.56E-08	7.52E-08	1.68E-06
1581	494661.06	3858701.99	2.64E-03	2.85E-03	4.54E-03	9.14E-07	2.76E-06	1.60E-06	1.73E-06	1.56E-06	7.14E-07	1.14E-06	3.05E-08	7.37E-07	1.63E-07	2.34E-07	3.72E-07	6.55E-08	7.50E-08	1.68E-06
1582	494711.06	3858701.99	2.53E-03	2.73E-03	4.34E-03	8.74E-07	2.64E-06	1.53E-06	1.65E-06	1.50E-06	6.82E-07	1.09E-06	2.92E-08	7.05E-07	1.56E-07	2.24E-07	3.55E-07	6.26E-08	7.17E-08	1.60E-06
1583	494761.06	3858701.99	2.55E-03	2.75E-03	4.38E-03	8.81E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.88E-07	1.10E-06	2.94E-08	7.11E-07	1.57E-07	2.26E-07	3.58E-07	6.31E-08	7.23E-08	1.62E-06
1584	494811.06	3858701.99	2.49E-03	2.69E-03	4.29E-03	8.63E-07	2.60E-06	1.51E-06	1.63E-06	1.48E-06	6.74E-07	1.07E-06	2.88E-08	6.96E-07	1.54E-07	2.21E-07	3.51E-07	6.18E-08	7.08E-08	1.58E-06
1585	494861.06	3858701.99	2.45E-03	2.65E-03	4.21E-03	8.48E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.62E-07	1.05E-06	2.83E-08	6.84E-07	1.51E-07	2.17E-07	3.45E-07	6.08E-08	6.95E-08	1.56E-06
1586	494911.06	3858701.99	2.41E-03	2.61E-03	4.15E-03	8.35E-07	2.52E-06	1.46E-06	1.58E-06	1.43E-06	6.52E-07	1.04E-06	2.79E-08	6.74E-07	1.49E-07	2.14E-07	3.40E-07	5.98E-08	6.85E-08	1.53E-06

1587	494961.06	3858701.99	2.34E-03	2.53E-03	4.02E-03	8.10E-07	2.45E-06	1.42E-06	1.53E-06	1.39E-06	6.33E-07	1.01E-06	2.71E-08	6.54E-07	1.44E-07	2.08E-07	3.29E-07	5.81E-08	6.64E-08	1.49E-06
1588	495011.06	3858701.99	2.30E-03	2.48E-03	3.95E-03	7.95E-07	2.40E-06	1.39E-06	1.50E-06	1.36E-06	6.20E-07	9.88E-07	2.65E-08	6.41E-07	1.41E-07	2.04E-07	3.23E-07	5.69E-08	6.52E-08	1.46E-06
1589	495061.06	3858701.99	2.27E-03	2.46E-03	3.91E-03	7.88E-07	2.38E-06	1.38E-06	1.49E-06	1.35E-06	6.15E-07	9.79E-07	2.63E-08	6.35E-07	1.40E-07	2.02E-07	3.20E-07	5.64E-08	6.46E-08	1.44E-06
1590	495111.06	3858701.99	2.22E-03	2.40E-03	3.82E-03	7.70E-07	2.32E-06	1.35E-06	1.45E-06	1.32E-06	6.01E-07	9.57E-07	2.57E-08	6.21E-07	1.37E-07	1.97E-07	3.13E-07	5.52E-08	6.31E-08	1.41E-06
1591	495161.06	3858701.99	2.20E-03	2.37E-03	3.78E-03	7.61E-07	2.30E-06	1.33E-06	1.44E-06	1.30E-06	5.94E-07	9.45E-07	2.54E-08	6.14E-07	1.35E-07	1.95E-07	3.09E-07	5.45E-08	6.24E-08	1.40E-06
1592	495211.06	3858701.99	2.16E-03	2.34E-03	3.72E-03	7.49E-07	2.26E-06	1.31E-06	1.41E-06	1.28E-06	5.84E-07	9.30E-07	2.50E-08	6.04E-07	1.33E-07	1.92E-07	3.04E-07	5.36E-08	6.14E-08	1.37E-06
1593	495261.06	3858701.99	2.15E-03	2.32E-03	3.70E-03	7.45E-07	2.25E-06	1.30E-06	1.41E-06	1.28E-06	5.82E-07	9.26E-07	2.49E-08	6.01E-07	1.33E-07	1.91E-07	3.03E-07	5.34E-08	6.11E-08	1.37E-06
1594	495311.06	3858701.99	2.14E-03	2.31E-03	3.68E-03	7.42E-07	2.24E-06	1.30E-06	1.40E-06	1.27E-06	5.79E-07	9.22E-07	2.48E-08	5.99E-07	1.32E-07	1.90E-07	3.02E-07	5.32E-08	6.08E-08	1.36E-06
1595	495361.06	3858701.99	2.13E-03	2.30E-03	3.66E-03	7.37E-07	2.23E-06	1.29E-06	1.39E-06	1.26E-06	5.75E-07	9.16E-07	2.46E-08	5.94E-07	1.31E-07	1.89E-07	3.00E-07	5.28E-08	6.04E-08	1.35E-06
1596	495411.06	3858701.99	2.12E-03	2.29E-03	3.65E-03	7.35E-07	2.22E-06	1.29E-06	1.39E-06	1.26E-06	5.74E-07	9.14E-07	2.46E-08	5.93E-07	1.31E-07	1.88E-07	2.99E-07	5.27E-08	6.03E-08	1.35E-06
1597	495461.06	3858701.99	2.11E-03	2.28E-03	3.63E-03	7.31E-07	2.21E-06	1.28E-06	1.38E-06	1.25E-06	5.71E-07	9.09E-07	2.44E-08	5.90E-07	1.30E-07	1.87E-07	2.97E-07	5.24E-08	6.00E-08	1.34E-06
1598	495511.06	3858701.99	2.10E-03	2.26E-03	3.60E-03	7.26E-07	2.19E-06	1.27E-06	1.37E-06	1.24E-06	5.66E-07	9.02E-07	2.42E-08	5.85E-07	1.29E-07	1.86E-07	2.95E-07	5.20E-08	5.95E-08	1.33E-06
1599	495561.06	3858701.99	2.08E-03	2.24E-03	3.57E-03	7.18E-07	2.17E-06	1.26E-06	1.36E-06	1.23E-06	5.61E-07	8.93E-07	2.40E-08	5.80E-07	1.28E-07	1.84E-07	2.92E-07	5.15E-08	5.89E-08	1.32E-06
1600	495611.06	3858701.99	2.06E-03	2.22E-03	3.53E-03	7.11E-07	2.15E-06	1.24E-06	1.34E-06	1.22E-06	5.55E-07	8.84E-07	2.38E-08	5.74E-07	1.27E-07	1.82E-07	2.89E-07	5.10E-08	5.83E-08	1.30E-06
1601	495661.06	3858701.99	2.04E-03	2.21E-03	3.51E-03	7.07E-07	2.13E-06	1.24E-06	1.33E-06	1.21E-06	5.52E-07	8.79E-07	2.36E-08	5.70E-07	1.26E-07	1.81E-07	2.87E-07	5.06E-08	5.79E-08	1.30E-06
1602	494311.06	3858751.99	2.51E-03	2.71E-03	4.32E-03	8.70E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.79E-07	1.08E-06	2.91E-08	7.02E-07	1.55E-07	2.23E-07	3.54E-07	6.23E-08	7.13E-08	1.60E-06
1603	494361.06	3858751.99	2.70E-03	2.92E-03	4.65E-03	9.36E-07	2.83E-06	1.64E-06	1.77E-06	1.60E-06	7.31E-07	1.16E-06	3.12E-08	7.55E-07	1.67E-07	2.40E-07	3.80E-07	6.70E-08	7.68E-08	1.72E-06
1604	494411.06	3858751.99	2.77E-03	3.00E-03	4.77E-03	9.61E-07	2.90E-06	1.68E-06	1.81E-06	1.64E-06	7.50E-07	1.19E-06	3.21E-08	7.75E-07	1.71E-07	2.46E-07	3.91E-07	6.88E-08	7.88E-08	1.76E-06
1605	494461.06	3858751.99	2.77E-03	2.99E-03	4.77E-03	9.59E-07	2.90E-06	1.68E-06	1.81E-06	1.64E-06	7.49E-07	1.19E-06	3.20E-08	7.74E-07	1.71E-07	2.46E-07	3.90E-07	6.87E-08	7.87E-08	1.76E-06
1606	494511.06	3858751.99	2.78E-03	3.00E-03	4.78E-03	9.61E-07	2.90E-06	1.68E-06	1.81E-06	1.65E-06	7.51E-07	1.20E-06	3.21E-08	7.76E-07	1.71E-07	2.46E-07	3.91E-07	6.89E-08	7.89E-08	1.76E-06
1607	494561.06	3858751.99	2.74E-03	2.96E-03	4.71E-03	9.48E-07	2.86E-06	1.66E-06	1.79E-06	1.62E-06	7.40E-07	1.18E-06	3.17E-08	7.65E-07	1.69E-07	2.43E-07	3.86E-07	6.79E-08	7.78E-08	1.74E-06
1608	494611.06	3858751.99	2.69E-03	2.91E-03	4.63E-03	9.33E-07	2.82E-06	1.63E-06	1.76E-06	1.60E-06	7.28E-07	1.16E-06	3.11E-08	7.52E-07	1.66E-07	2.39E-07	3.79E-07	6.68E-08	7.65E-08	1.71E-06
1609	494661.06	3858751.99	2.66E-03	2.88E-03	4.58E-03	9.22E-07	2.78E-06	1.61E-06	1.74E-06	1.58E-06	7.20E-07	1.15E-06	3.08E-08	7.44E-07	1.64E-07	2.36E-07	3.75E-07	6.61E-08	7.56E-08	1.69E-06
1610	494711.06	3858751.99	2.60E-03	2.80E-03	4.47E-03	8.99E-07	2.71E-06	1.57E-06	1.70E-06	1.54E-06	7.02E-07	1.12E-06	3.00E-08	7.25E-07	1.60E-07	2.30E-07	3.65E-07	6.44E-08	7.37E-08	1.65E-06
1611	494761.06	3858751.99	2.58E-03	2.78E-03	4.44E-03	8.93E-07	2.70E-06	1.56E-06	1.68E-06	1.53E-06	6.97E-07	1.11E-06	2.98E-08	7.20E-07	1.59E-07	2.29E-07	3.63E-07	6.40E-08	7.32E-08	1.64E-06
1612	494811.06	3858751.99	2.52E-03	2.72E-03	4.34E-03	8.73E-07	2.63E-06	1.53E-06	1.65E-06	1.49E-06	6.81E-07	1.09E-06	2.91E-08	7.04E-07	1.55E-07	2.24E-07	3.55E-07	6.25E-08	7.16E-08	1.60E-06
1613	494861.06	3858751.99	2.47E-03	2.67E-03	4.25E-03	8.55E-07	2.58E-06	1.49E-06	1.61E-06	1.46E-06	6.68E-07	1.06E-06	2.86E-08	6.90E-07	1.52E-07	2.19E-07	3.48E-07	6.13E-08	7.01E-08	1.57E-06
1614	494911.06	3858751.99	2.41E-03	2.61E-03	4.15E-03	8.36E-07	2.52E-06	1.46E-06	1.58E-06	1.43E-06	6.53E-07	1.04E-06	2.79E-08	6.74E-07	1.49E-07	2.14E-07	3.40E-07	5.99E-08	6.85E-08	1.53E-06
1615	494961.06	3858751.99	2.37E-03	2.56E-03	4.08E-03	8.22E-07	2.48E-06	1.44E-06	1.55E-06	1.41E-06	6.42E-07	1.02E-06	2.75E-08	6.63E-07	1.46E-07	2.11E-07	3.34E-07	5.89E-08	6.74E-08	1.51E-06
1616	495011.06	3858751.99	2.35E-03	2.53E-03	4.04E-03	8.12E-07	2.45E-06	1.42E-06	1.53E-06	1.39E-06	6.34E-07	1.01E-06	2.71E-08	6.55E-07	1.45E-07	2.08E-07	3.30E-07	5.82E-08	6.66E-08	1.49E-06
1617	495061.06	3858751.99	2.31E-03	2.49E-03	3.96E-03	7.98E-07	2.41E-06	1.39E-06	1.51E-06	1.37E-06	6.23E-07	9.92E-07	2.66E-08	6.44E-07	1.42E-07	2.04E-07	3.24E-07	5.72E-08	6.54E-08	1.46E-06
1618	495111.06	3858751.99	2.26E-03	2.44E-03	3.88E-03	7.81E-07	2.36E-06	1.37E-06	1.47E-06	1.34E-06	6.10E-07	9.71E-07	2.61E-08	6.30E-07	1.39E-07	2.00E-07	3.18E-07	5.60E-08	6.41E-08	1.43E-06
1619	495161.06	3858751.99	2.23E-03	2.41E-03	3.83E-03	7.72E-07	2.33E-06	1.35E-06	1.46E-06	1.32E-06	6.02E-07	9.59E-07	2.58E-08	6.22E-07	1.37E-07	1.98E-07	3.14E-07	5.53E-08	6.33E-08	1.42E-06
1620	495211.06	3858751.99	2.19E-03	2.37E-03	3.77E-03	7.60E-07	2.29E-06	1.33E-06	1.43E-06	1.30E-06	5.93E-07	9.44E-07	2.54E-08	6.13E-07	1.35E-07	1.95E-07	3.09E-07	5.44E-08	6.23E-08	1.39E-06
1621	495261.06	3858751.99	2.18E-03	2.36E-03	3.75E-03	7.56E-07	2.28E-06	1.32E-06	1.43E-06	1.29E-06	5.90E-07	9.39E-07	2.52E-08	6.09E-07	1.34E-07	1.94E-07	3.07E-07	5.41E-08	6.19E-08	1.39E-06
1622	495311.06	3858751.99	2.17E-03	2.35E-03	3.74E-03	7.53E-07	2.27E-06	1.32E-06	1.42E-06	1.29E-06	5.87E-07	9.35E-07	2.51E-08	6.07E-07	1.34E-07	1.93E-07	3.06E-07	5.39E-08	6.17E-08	1.38E-06
1623	495361.06	3858751.99	2.16E-03	2.33E-03	3.71E-03	7.48E-07	2.26E-06	1.31E-06	1.41E-06	1.28E-06	5.84E-07	9.29E-07	2.50E-08	6.03E-07	1.33E-07	1.92E-07	3.04E-07	5.36E-08	6.13E-08	1.37E-06
1624	495411.06	3858751.99	2.16E-03	2.33E-03	3.71E-03	7.47E-07	2.26E-06	1.31E-06	1.41E-06	1.28E-06	5.83E-07	9.28E-07	2.49E-08	6.03E-07	1.33E-07	1.91E-07	3.04E-07	5.35E-08	6.12E-08	1.37E-06
1625	495461.06	3858751.99	2.15E-03	2.32E-03	3.69E-03	7.43E-07	2.24E-06	1.30E-06	1.40E-06	1.27E-06	5.80E-07	9.24E-07	2.48E-08	5.99E-07	1.32E-07	1.90E-07	3.02E-07	5.32E-08	6.09E-08	1.36E-06
1626	495511.06	3858751.99	2.13E-03	2.30E-03	3.66E-03	7.37E-07	2.23E-06	1.29E-06	1.39E-06	1.26E-06	5.75E-07	9.16E-07	2.46E-08	5.94E-07	1.31E-07	1.89E-07	3.00E-07	5.28E-08	6.04E-08	1.35E-06
1627	495561.06	3858751.99	2.11E-03	2.28E-03	3.63E-03	7.30E-07	2.20E-06	1.28E-06	1.38E-06	1.25E-06	5.70E-07	9.08E-07	2.44E-08	5.89E-07	1.30E-07	1.87E-07	2.97E-07	5.23E-08	5.99E-08	1.34E-06
1628	495611.06	3858751.99	2.09E-03	2.26E-03	3.59E-03	7.23E-07	2.18E-06	1.26E-06	1.37E-06	1.24E-06	5.65E-07	8.99E-07	2.42E-08	5.83E-07	1.29E-07	1.85E-07	2.94E-07	5.18E-08	5.93E-08	1.33E-06
1629	495661.06	3858751.99	2.07E-03	2.24E-03	3.57E-03	7.18E-07	2.17E-06	1.25E-06	1.35E-06	1.23E-06	5.60E-07	8.92E-07	2.40E-08	5.79E-07	1.28E-07	1.84E-07	2.92E-07	5.14E-08	5.89E-08	1.32E-06
1630	494311.06	3858801.99	2.59E-03	2.80E-03	4.45E-03	8.97E-07	2.71E-06	1.57E-06	1.69E-06	1.53E-06	7.00E-07	1.11E-06	2.99E-08	7.23E-07	1.60E-07	2.30E-07	3.65E-07	6.42E-08	7.35E-08	1.64E-06
1631	494361.06	3858801.99	2.76E-03	2.98E-03	4.74E-03	9.54E-07	2.88E-06	1.67E-06	1.80E-06	1.63E-06	7.45E-07	1.19E-06	3.19E-08	7.70E-07	1.70E-07	2.45E-07	3.88E-07	6.84E-08	7.83E-08	1.75E-06
1632	494411.06	3858801.99	2.79E-03	3.02E-03	4.81E-03	9.67E-07	2.92E-06	1.69E-06	1.83E-06	1.65E-06	7.55E-07	1.20E-06	3.23E-08	7.80E-07	1.72E-07	2.48E-07	3.93E-07	6.93E-08	7.94E-08	1.77E-06
1633	494461.06	3858801.99	2.81E-03	3.03E-03	4.83E-03	9.72E-07	2.94E-06	1.70E-06	1.84E-06	1.66E-06	7.59E-07	1.21E-06	3.25E-08	7.84E-07	1.73E-07	2.49E-07	3.95E-07	6.97E-08	7.98E-08	1.78E-06
1634	494511.06	3858801.99	2.82E-03	3.05E-03	4.85E-03	9.76E-07	2.95E-06	1.71E-06	1.84E-06	1.67E-06	7.62E-07	1.21E-06	3.26E-08	7.87E-07	1.74E-07	2.50E-07	3.97E-07	6.99E-08	8.01E-08	1.79E-06
1635	494561.06	3858801.99	2.80E-03	3.03E-03	4.82E-03	9.71E-07	2.93E-06	1.70E-06	1.83E-06	1.66E-06	7.58E-07	1.21E-06	3.24E-08	7.83E-07	1.73E-07	2.49E-07	3.95E-07	6.95E-08	7.97E-08	1.78E-06
1636	494611.06	3858801.99	2.77E-03	3.00E-03	4.77E-03	9.60E-07	2.90E-06	1.68E-06	1.81E-06	1.64E-06	7.50E-07	1.19E-06	3.21E-08	7.75E-07	1.71E-07	2.46E-07	3.90E-07	6.88E-08	7.88E-08	1.76E-06
1637	494661.06	3858801.99	2.73E-03	2.94E-03	4.69E-03	9.43E-07	2.85E-06	1.65E-06	1.78E-06	1.61E-06	7.37E-07	1.17E-06	3.15E-08	7.61E-07	1.68E-07	2.42E-07	3.84E-07	6.76E-08	7.74E-08	1.73E-06
1638	494711.06	3858801.99	2.67E-03	2.88E-03	4.59E-03	9.24E-07	2.79E-06	1.61E-06	1.74E-06	1.58E-06	7.21E-07	1.15E-06	3.08E-08	7.45E-07	1.64E-07	2.37E-07	3.75E-07	6.62E-08	7.58E-08	1.69E-06
1639	494761.06	3858801.99	2.60E-03	2.81E-03	4.48E-03	9.01E-07	2.72E-06	1.57E-06	1.70E-06	1.54E-06	7.03E-07	1.12E-06	3.01E-08	7.27E-07	1.60E-07	2.31E-07	3.66E-07	6.45E-08	7.39E-08	1.65E-06
1640	494811.06	3858801.99	2.53E-03	2.74E-03	4.36E-03	8.77E-07	2.65E-06	1.53E-06	1.66E-06	1.50E-06	6.85E-07	1.09E-06	2.93E-08	7.08E-07	1.56E-07	2.25E-07	3.57E-07	6.29E-08	7.20E-08	1.61E-06
1641	494861.06	3858801.99	2.50E-03	2.70E-03	4.30E-03	8.65E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.76E-07	1.08E-06	2.89E-08	6.98E-07	1.54E-07	2.22E-07	3.52E-07	6.20E-08	7.10E-08	1.59E-06
1642	494911.06	3858801.99	2.45E-03	2.64E-03	4.21E-03	8.46E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.61E-07	1.05E-06	2.83E-08	6.83E-07	1.51E-07	2.17E-07	3.44E-07	6.06E-08	6.94E-08	1.55E-06
1643	494961.06	3858801.99	2.41E-03	2.60E-03	4.14E-03	8.33E-07	2.51E-06	1.46E-06	1.57E-06	1.42E-06	6.50E-07	1.04E-06	2.78E-08	6.72E-07	1.48E-07	2.13E-07	3.39E-07	5.97E-08	6.83E-08	1.53E-06
1644	495011.06	3858801.99	2.36E-03	2.55E-03	4.06E-03	8.18E-07	2.47E-06	1.43E-06	1.54E-06	1.40E-06	6.39E-07	1.02E-06	2.73E-08	6.60E-07	1.46E-07	2.10E-07	3.33E-07	5.86E-08	6.71E-08	1.50E-06
1645	495061.06	3858801.99	2.34E-03	2.52E-03	4.02E-03	8.09E-07	2.44E-06	1.41E-06	1.53E-06	1.38E-06	6.32E-07	1.01E-06	2.70E-08	6.52E-07	1.44E-07	2.07E-07	3.29E-07	5.80E-08	6.63E-08	1.48E-06

1646	495111.06	3858801.99	2.28E-03	2.47E-03	3.92E-03	7.90E-07	2.39E-06	1.38E-06	1.49E-06	1.35E-06	6.17E-07	9.82E-07	2.64E-08	6.37E-07	1.41E-07	2.03E-07	3.21E-07	5.66E-08	6.48E-08	1.45E-06
1647	495161.06	3858801.99	2.24E-03	2.42E-03	3.86E-03	7.77E-07	2.35E-06	1.36E-06	1.47E-06	1.33E-06	6.07E-07	9.66E-07	2.59E-08	6.27E-07	1.38E-07	1.99E-07	3.16E-07	5.57E-08	6.37E-08	1.43E-06
1648	495211.06	3858801.99	2.22E-03	2.40E-03	3.82E-03	7.70E-07	2.32E-06	1.35E-06	1.45E-06	1.32E-06	6.01E-07	9.57E-07	2.57E-08	6.21E-07	1.37E-07	1.97E-07	3.13E-07	5.51E-08	6.31E-08	1.41E-06
1649	495261.06	3858801.99	2.21E-03	2.39E-03	3.80E-03	7.66E-07	2.31E-06	1.34E-06	1.45E-06	1.31E-06	5.98E-07	9.52E-07	2.56E-08	6.18E-07	1.36E-07	1.96E-07	3.11E-07	5.49E-08	6.28E-08	1.41E-06
1650	495311.06	3858801.99	2.21E-03	2.38E-03	3.79E-03	7.64E-07	2.31E-06	1.33E-06	1.44E-06	1.31E-06	5.96E-07	9.49E-07	2.55E-08	6.16E-07	1.36E-07	1.96E-07	3.10E-07	5.47E-08	6.26E-08	1.40E-06
1651	495361.06	3858801.99	2.19E-03	2.37E-03	3.77E-03	7.59E-07	2.29E-06	1.33E-06	1.43E-06	1.30E-06	5.93E-07	9.44E-07	2.54E-08	6.12E-07	1.35E-07	1.95E-07	3.09E-07	5.44E-08	6.22E-08	1.39E-06
1652	495411.06	3858801.99	2.20E-03	2.37E-03	3.78E-03	7.61E-07	2.30E-06	1.33E-06	1.44E-06	1.30E-06	5.94E-07	9.45E-07	2.54E-08	6.14E-07	1.35E-07	1.95E-07	3.09E-07	5.45E-08	6.24E-08	1.40E-06
1653	495461.06	3858801.99	2.18E-03	2.36E-03	3.75E-03	7.56E-07	2.28E-06	1.32E-06	1.43E-06	1.29E-06	5.90E-07	9.39E-07	2.52E-08	6.10E-07	1.34E-07	1.94E-07	3.07E-07	5.41E-08	6.20E-08	1.39E-06
1654	495511.06	3858801.99	2.16E-03	2.34E-03	3.72E-03	7.49E-07	2.26E-06	1.31E-06	1.41E-06	1.28E-06	5.84E-07	9.31E-07	2.50E-08	6.04E-07	1.33E-07	1.92E-07	3.04E-07	5.36E-08	6.14E-08	1.37E-06
1655	495561.06	3858801.99	2.15E-03	2.32E-03	3.69E-03	7.43E-07	2.24E-06	1.30E-06	1.40E-06	1.27E-06	5.80E-07	9.23E-07	2.48E-08	5.99E-07	1.32E-07	1.90E-07	3.02E-07	5.32E-08	6.09E-08	1.36E-06
1656	495611.06	3858801.99	2.12E-03	2.29E-03	3.65E-03	7.34E-07	2.22E-06	1.28E-06	1.39E-06	1.26E-06	5.73E-07	9.12E-07	2.45E-08	5.92E-07	1.31E-07	1.88E-07	2.98E-07	5.26E-08	6.02E-08	1.35E-06
1657	495661.06	3858801.99	2.11E-03	2.28E-03	3.62E-03	7.30E-07	2.20E-06	1.28E-06	1.38E-06	1.25E-06	5.70E-07	9.07E-07	2.44E-08	5.89E-07	1.30E-07	1.87E-07	2.97E-07	5.23E-08	5.98E-08	1.34E-06
1658	494311.06	3858851.99	2.77E-03	2.99E-03	4.77E-03	9.60E-07	2.90E-06	1.68E-06	1.81E-06	1.64E-06	7.49E-07	1.19E-06	3.20E-08	7.74E-07	1.71E-07	2.46E-07	3.90E-07	6.88E-08	7.87E-08	1.76E-06
1659	494361.06	3858851.99	2.87E-03	3.10E-03	4.93E-03	9.92E-07	3.00E-06	1.73E-06	1.87E-06	1.70E-06	7.75E-07	1.24E-06	3.31E-08	8.01E-07	1.77E-07	2.54E-07	4.04E-07	7.11E-08	8.15E-08	1.82E-06
1660	494411.06	3858851.99	2.86E-03	3.08E-03	4.91E-03	9.88E-07	2.98E-06	1.73E-06	1.87E-06	1.69E-06	7.72E-07	1.23E-06	3.30E-08	7.97E-07	1.76E-07	2.53E-07	4.02E-07	7.08E-08	8.11E-08	1.81E-06
1661	494461.06	3858851.99	2.86E-03	3.09E-03	4.92E-03	9.89E-07	2.99E-06	1.73E-06	1.87E-06	1.69E-06	7.72E-07	1.23E-06	3.30E-08	7.98E-07	1.76E-07	2.54E-07	4.02E-07	7.09E-08	8.12E-08	1.81E-06
1662	494511.06	3858851.99	2.86E-03	3.08E-03	4.91E-03	9.88E-07	2.98E-06	1.73E-06	1.87E-06	1.69E-06	7.72E-07	1.23E-06	3.30E-08	7.97E-07	1.76E-07	2.53E-07	4.02E-07	7.08E-08	8.11E-08	1.81E-06
1663	494561.06	3858851.99	2.83E-03	3.06E-03	4.88E-03	9.81E-07	2.96E-06	1.71E-06	1.85E-06	1.68E-06	7.66E-07	1.22E-06	3.28E-08	7.91E-07	1.75E-07	2.51E-07	3.99E-07	7.03E-08	8.05E-08	1.80E-06
1664	494611.06	3858851.99	2.80E-03	3.02E-03	4.81E-03	9.68E-07	2.92E-06	1.69E-06	1.83E-06	1.66E-06	7.56E-07	1.20E-06	3.23E-08	7.81E-07	1.72E-07	2.48E-07	3.94E-07	6.94E-08	7.95E-08	1.78E-06
1665	494661.06	3858851.99	2.75E-03	2.97E-03	4.73E-03	9.52E-07	2.87E-06	1.66E-06	1.80E-06	1.63E-06	7.43E-07	1.18E-06	3.18E-08	7.68E-07	1.69E-07	2.44E-07	3.87E-07	6.82E-08	7.81E-08	1.75E-06
1666	494711.06	3858851.99	2.68E-03	2.90E-03	4.62E-03	9.29E-07	2.80E-06	1.62E-06	1.75E-06	1.59E-06	7.25E-07	1.16E-06	3.10E-08	7.49E-07	1.65E-07	2.38E-07	3.78E-07	6.65E-08	7.62E-08	1.70E-06
1667	494761.06	3858851.99	2.62E-03	2.83E-03	4.51E-03	9.07E-07	2.74E-06	1.58E-06	1.71E-06	1.55E-06	7.08E-07	1.13E-06	3.03E-08	7.31E-07	1.61E-07	2.32E-07	3.69E-07	6.50E-08	7.44E-08	1.66E-06
1668	494811.06	3858851.99	2.57E-03	2.77E-03	4.41E-03	8.88E-07	2.68E-06	1.55E-06	1.68E-06	1.52E-06	6.94E-07	1.10E-06	2.97E-08	7.17E-07	1.58E-07	2.28E-07	3.61E-07	6.36E-08	7.29E-08	1.63E-06
1669	494861.06	3858851.99	2.53E-03	2.73E-03	4.35E-03	8.76E-07	2.65E-06	1.53E-06	1.65E-06	1.50E-06	6.84E-07	1.09E-06	2.93E-08	7.07E-07	1.56E-07	2.25E-07	3.56E-07	6.28E-08	7.19E-08	1.61E-06
1670	494911.06	3858851.99	2.48E-03	2.68E-03	4.27E-03	8.59E-07	2.60E-06	1.50E-06	1.62E-06	1.47E-06	6.71E-07	1.07E-06	2.87E-08	6.93E-07	1.53E-07	2.20E-07	3.49E-07	6.16E-08	7.05E-08	1.58E-06
1671	494961.06	3858851.99	2.44E-03	2.64E-03	4.20E-03	8.45E-07	2.55E-06	1.48E-06	1.59E-06	1.45E-06	6.60E-07	1.05E-06	2.82E-08	6.82E-07	1.50E-07	2.17E-07	3.44E-07	6.05E-08	6.93E-08	1.55E-06
1672	495011.06	3858851.99	2.41E-03	2.60E-03	4.14E-03	8.33E-07	2.52E-06	1.46E-06	1.57E-06	1.43E-06	6.51E-07	1.04E-06	2.78E-08	6.72E-07	1.48E-07	2.14E-07	3.39E-07	5.97E-08	6.83E-08	1.53E-06
1673	495061.06	3858851.99	2.37E-03	2.56E-03	4.07E-03	8.19E-07	2.47E-06	1.43E-06	1.55E-06	1.40E-06	6.40E-07	1.02E-06	2.74E-08	6.61E-07	1.46E-07	2.10E-07	3.33E-07	5.87E-08	6.72E-08	1.50E-06
1674	495111.06	3858851.99	2.30E-03	2.48E-03	3.95E-03	7.95E-07	2.40E-06	1.39E-06	1.50E-06	1.36E-06	6.20E-07	9.88E-07	2.65E-08	6.41E-07	1.41E-07	2.04E-07	3.23E-07	5.69E-08	6.52E-08	1.46E-06
1675	495161.06	3858851.99	2.26E-03	2.44E-03	3.88E-03	7.82E-07	2.36E-06	1.37E-06	1.48E-06	1.34E-06	6.10E-07	9.72E-07	2.61E-08	6.31E-07	1.39E-07	2.00E-07	3.18E-07	5.60E-08	6.41E-08	1.43E-06
1676	495211.06	3858851.99	2.26E-03	2.44E-03	3.88E-03	7.82E-07	2.36E-06	1.37E-06	1.48E-06	1.34E-06	6.10E-07	9.72E-07	2.61E-08	6.31E-07	1.39E-07	2.00E-07	3.18E-07	5.60E-08	6.41E-08	1.43E-06
1677	495261.06	3858851.99	2.25E-03	2.43E-03	3.86E-03	7.78E-07	2.35E-06	1.36E-06	1.47E-06	1.33E-06	6.07E-07	9.67E-07	2.60E-08	6.27E-07	1.38E-07	1.99E-07	3.16E-07	5.57E-08	6.38E-08	1.43E-06
1678	495311.06	3858851.99	2.24E-03	2.42E-03	3.86E-03	7.77E-07	2.34E-06	1.36E-06	1.47E-06	1.33E-06	6.06E-07	9.66E-07	2.59E-08	6.26E-07	1.38E-07	1.99E-07	3.16E-07	5.56E-08	6.37E-08	1.42E-06
1679	495361.06	3858851.99	2.23E-03	2.41E-03	3.84E-03	7.73E-07	2.34E-06	1.35E-06	1.46E-06	1.32E-06	6.04E-07	9.62E-07	2.58E-08	6.24E-07	1.38E-07	1.98E-07	3.14E-07	5.54E-08	6.34E-08	1.42E-06
1680	495411.06	3858851.99	2.23E-03	2.40E-03	3.83E-03	7.70E-07	2.33E-06	1.35E-06	1.45E-06	1.32E-06	6.01E-07	9.58E-07	2.57E-08	6.21E-07	1.37E-07	1.97E-07	3.13E-07	5.52E-08	6.32E-08	1.41E-06
1681	495461.06	3858851.99	2.22E-03	2.40E-03	3.82E-03	7.68E-07	2.32E-06	1.34E-06	1.45E-06	1.31E-06	6.00E-07	9.55E-07	2.56E-08	6.19E-07	1.37E-07	1.97E-07	3.12E-07	5.50E-08	6.30E-08	1.41E-06
1682	495511.06	3858851.99	2.20E-03	2.38E-03	3.79E-03	7.63E-07	2.30E-06	1.33E-06	1.44E-06	1.31E-06	5.96E-07	9.49E-07	2.55E-08	6.15E-07	1.36E-07	1.96E-07	3.10E-07	5.47E-08	6.26E-08	1.40E-06
1683	495561.06	3858851.99	2.17E-03	2.34E-03	3.73E-03	7.51E-07	2.27E-06	1.31E-06	1.42E-06	1.28E-06	5.86E-07	9.33E-07	2.51E-08	6.06E-07	1.34E-07	1.92E-07	3.05E-07	5.38E-08	6.16E-08	1.38E-06
1684	495611.06	3858851.99	2.14E-03	2.31E-03	3.68E-03	7.42E-07	2.24E-06	1.30E-06	1.40E-06	1.27E-06	5.79E-07	9.22E-07	2.48E-08	5.98E-07	1.32E-07	1.90E-07	3.01E-07	5.31E-08	6.08E-08	1.36E-06
1685	495661.06	3858851.99	2.14E-03	2.31E-03	3.67E-03	7.39E-07	2.23E-06	1.29E-06	1.40E-06	1.26E-06	5.77E-07	9.19E-07	2.47E-08	5.96E-07	1.32E-07	1.89E-07	3.01E-07	5.30E-08	6.06E-08	1.36E-06
1686	494311.06	3858901.99	2.84E-03	3.07E-03	4.90E-03	9.85E-07	2.97E-06	1.72E-06	1.86E-06	1.68E-06	7.69E-07	1.23E-06	3.29E-08	7.94E-07	1.75E-07	2.52E-07	4.00E-07	7.05E-08	8.08E-08	1.81E-06
1687	494361.06	3858901.99	2.91E-03	3.15E-03	5.02E-03	1.01E-06	3.05E-06	1.76E-06	1.90E-06	1.73E-06	7.88E-07	1.26E-06	3.37E-08	8.14E-07	1.80E-07	2.59E-07	4.10E-07	7.23E-08	8.28E-08	1.85E-06
1688	494411.06	3858901.99	2.92E-03	3.15E-03	5.02E-03	1.01E-06	3.05E-06	1.76E-06	1.91E-06	1.73E-06	7.88E-07	1.26E-06	3.37E-08	8.14E-07	1.80E-07	2.59E-07	4.10E-07	7.23E-08	8.29E-08	1.85E-06
1689	494461.06	3858901.99	2.92E-03	3.16E-03	5.03E-03	1.01E-06	3.06E-06	1.77E-06	1.91E-06	1.73E-06	7.90E-07	1.26E-06	3.38E-08	8.16E-07	1.80E-07	2.59E-07	4.11E-07	7.25E-08	8.31E-08	1.86E-06
1690	494511.06	3858901.99	2.91E-03	3.15E-03	5.02E-03	1.01E-06	3.05E-06	1.76E-06	1.90E-06	1.73E-06	7.88E-07	1.26E-06	3.37E-08	8.14E-07	1.80E-07	2.59E-07	4.10E-07	7.23E-08	8.28E-08	1.85E-06
1691	494561.06	3858901.99	2.88E-03	3.11E-03	4.95E-03	9.96E-07	3.01E-06	1.74E-06	1.88E-06	1.70E-06	7.78E-07	1.24E-06	3.33E-08	8.03E-07	1.77E-07	2.55E-07	4.05E-07	7.14E-08	8.18E-08	1.83E-06
1692	494611.06	3858901.99	2.81E-03	3.03E-03	4.84E-03	9.73E-07	2.94E-06	1.70E-06	1.84E-06	1.66E-06	7.59E-07	1.21E-06	3.25E-08	7.85E-07	1.73E-07	2.49E-07	3.95E-07	6.97E-08	7.98E-08	1.78E-06
1693	494661.06	3858901.99	2.77E-03	2.99E-03	4.77E-03	9.60E-07	2.90E-06	1.68E-06	1.81E-06	1.64E-06	7.50E-07	1.19E-06	3.21E-08	7.74E-07	1.71E-07	2.46E-07	3.90E-07	6.88E-08	7.88E-08	1.76E-06
1694	494711.06	3858901.99	2.71E-03	2.93E-03	4.67E-03	9.39E-07	2.83E-06	1.64E-06	1.77E-06	1.61E-06	7.33E-07	1.17E-06	3.14E-08	7.57E-07	1.67E-07	2.41E-07	3.82E-07	6.73E-08	7.71E-08	1.72E-06
1695	494761.06	3858901.99	2.64E-03	2.85E-03	4.54E-03	9.14E-07	2.76E-06	1.60E-06	1.73E-06	1.56E-06	7.14E-07	1.14E-06	3.05E-08	7.37E-07	1.63E-07	2.34E-07	3.72E-07	6.55E-08	7.50E-08	1.68E-06
1696	494811.06	3858901.99	2.60E-03	2.81E-03	4.47E-03	9.00E-07	2.72E-06	1.57E-06	1.70E-06	1.54E-06	7.02E-07	1.12E-06	3.00E-08	7.26E-07	1.60E-07	2.31E-07	3.66E-07	6.45E-08	7.38E-08	1.65E-06
1697	494861.06	3858901.99	2.57E-03	2.77E-03	4.42E-03	8.89E-07	2.68E-06	1.55E-06	1.68E-06	1.52E-06	6.94E-07	1.11E-06	2.97E-08	7.17E-07	1.58E-07	2.28E-07	3.61E-07	6.37E-08	7.29E-08	1.63E-06
1698	494911.06	3858901.99	2.50E-03	2.70E-03	4.30E-03	8.65E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.75E-07	1.08E-06	2.89E-08	6.98E-07	1.54E-07	2.22E-07	3.52E-07	6.20E-08	7.09E-08	1.59E-06
1699	494961.06	3858901.99	2.46E-03	2.66E-03	4.23E-03	8.52E-07	2.57E-06	1.49E-06	1.61E-06	1.46E-06	6.65E-07	1.06E-06	2.84E-08	6.87E-07	1.52E-07	2.18E-07	3.46E-07	6.10E-08	6.99E-08	1.56E-06
1700	495011.06	3858901.99	2.43E-03	2.62E-03	4.17E-03	8.39E-07	2.53E-06	1.47E-06	1.58E-06	1.44E-06	6.55E-07	1.04E-06	2.80E-08	6.77E-07	1.49E-07	2.15E-07	3.41E-07	6.02E-08	6.89E-08	1.54E-06
1701	495061.06	3858901.99	2.37E-03	2.56E-03	4.08E-03	8.22E-07	2.48E-06	1.44E-06	1.55E-06	1.41E-06	6.42E-07	1.02E-06	2.74E-08	6.63E-07	1.46E-07	2.11E-07	3.34E-07	5.89E-08	6.74E-08	1.51E-06
1702	495111.06	3858901.99	2.30E-03	2.49E-03	3.96E-03	7.97E-07	2.41E-06	1.39E-06	1.50E-06	1.36E-06	6.22E-07	9.90E-07	2.66E-08	6.43E-07	1.42E-07	2.04E-07	3.24E-07	5.71E-08	6.53E-08	1.46E-06
1703	495161.06	3858901.99	2.28E-03	2.46E-03	3.92E-03	7.89E-07	2.38E-06	1.38E-06	1.49E-06	1.35E-06	6.16E-07	9.81E-07	2.63E-08	6.36E-07	1.40E-07	2.02E-07	3.21E-07	5.65E-08	6.47E-08	1.45E-06
1704	495211.06	3858901.99	2.29E-03	2.47E-03	3.94E-03	7.93E-07	2.39E-06	1.39E-06	1.50E-06	1.36E-06	6.19E-07	9.86E-07	2.65E-08	6.40E-07	1.41E-07	2.03E-07	3.22E-07	5.68E-08	6.50E-08	1.45E-06

1705	495261.06	3858901.99	2.28E-03	2.47E-03	3.93E-03	7.91E-07	2.39E-06	1.38E-06	1.49E-06	1.35E-06	6.17E-07	9.83E-07	2.64E-08	6.38E-07	1.41E-07	2.03E-07	3.22E-07	5.67E-08	6.49E-08	1.45E-06
1706	495311.06	3858901.99	2.27E-03	2.45E-03	3.91E-03	7.87E-07	2.38E-06	1.38E-06	1.49E-06	1.35E-06	6.14E-07	9.78E-07	2.63E-08	6.35E-07	1.40E-07	2.02E-07	3.20E-07	5.64E-08	6.45E-08	1.44E-06
1707	495361.06	3858901.99	2.26E-03	2.44E-03	3.89E-03	7.83E-07	2.37E-06	1.37E-06	1.48E-06	1.34E-06	6.12E-07	9.74E-07	2.62E-08	6.32E-07	1.39E-07	2.01E-07	3.18E-07	5.61E-08	6.42E-08	1.44E-06
1708	495411.06	3858901.99	2.26E-03	2.44E-03	3.89E-03	7.83E-07	2.36E-06	1.37E-06	1.48E-06	1.34E-06	6.11E-07	9.74E-07	2.62E-08	6.32E-07	1.39E-07	2.01E-07	3.18E-07	5.61E-08	6.42E-08	1.44E-06
1709	495461.06	3858901.99	2.25E-03	2.43E-03	3.86E-03	7.78E-07	2.35E-06	1.36E-06	1.47E-06	1.33E-06	6.07E-07	9.67E-07	2.60E-08	6.27E-07	1.38E-07	1.99E-07	3.16E-07	5.57E-08	6.38E-08	1.43E-06
1710	495511.06	3858901.99	2.22E-03	2.40E-03	3.82E-03	7.69E-07	2.32E-06	1.34E-06	1.45E-06	1.32E-06	6.01E-07	9.56E-07	2.57E-08	6.20E-07	1.37E-07	1.97E-07	3.13E-07	5.51E-08	6.31E-08	1.41E-06
1711	495561.06	3858901.99	2.20E-03	2.38E-03	3.79E-03	7.62E-07	2.30E-06	1.33E-06	1.44E-06	1.30E-06	5.95E-07	9.48E-07	2.55E-08	6.15E-07	1.36E-07	1.95E-07	3.10E-07	5.46E-08	6.25E-08	1.40E-06
1712	495611.06	3858901.99	2.18E-03	2.35E-03	3.74E-03	7.53E-07	2.27E-06	1.32E-06	1.42E-06	1.29E-06	5.88E-07	9.36E-07	2.51E-08	6.07E-07	1.34E-07	1.93E-07	3.06E-07	5.40E-08	6.18E-08	1.38E-06
1713	495661.06	3858901.99	2.17E-03	2.34E-03	3.73E-03	7.52E-07	2.27E-06	1.31E-06	1.42E-06	1.29E-06	5.87E-07	9.35E-07	2.51E-08	6.06E-07	1.34E-07	1.93E-07	3.06E-07	5.39E-08	6.16E-08	1.38E-06
1714	494311.06	3858951.99	2.96E-03	3.19E-03	5.09E-03	1.02E-06	3.09E-06	1.79E-06	1.93E-06	1.75E-06	7.99E-07	1.27E-06	3.42E-08	8.26E-07	1.82E-07	2.62E-07	4.16E-07	7.34E-08	8.41E-08	1.88E-06
1715	494361.06	3858951.99	2.98E-03	3.22E-03	5.13E-03	1.03E-06	3.12E-06	1.80E-06	1.95E-06	1.77E-06	8.06E-07	1.28E-06	3.45E-08	8.32E-07	1.84E-07	2.65E-07	4.20E-07	7.40E-08	8.48E-08	1.89E-06
1716	494411.06	3858951.99	2.95E-03	3.19E-03	5.09E-03	1.02E-06	3.09E-06	1.79E-06	1.93E-06	1.75E-06	7.98E-07	1.27E-06	3.41E-08	8.25E-07	1.82E-07	2.62E-07	4.16E-07	7.33E-08	8.40E-08	1.88E-06
1717	494461.06	3858951.99	2.96E-03	3.20E-03	5.10E-03	1.03E-06	3.10E-06	1.79E-06	1.94E-06	1.76E-06	8.01E-07	1.28E-06	3.43E-08	8.27E-07	1.83E-07	2.63E-07	4.17E-07	7.35E-08	8.42E-08	1.88E-06
1718	494511.06	3858951.99	2.94E-03	3.18E-03	5.07E-03	1.02E-06	3.08E-06	1.78E-06	1.92E-06	1.74E-06	7.95E-07	1.27E-06	3.40E-08	8.21E-07	1.81E-07	2.61E-07	4.14E-07	7.30E-08	8.36E-08	1.87E-06
1719	494561.06	3858951.99	2.90E-03	3.14E-03	5.00E-03	1.01E-06	3.04E-06	1.76E-06	1.90E-06	1.72E-06	7.85E-07	1.25E-06	3.36E-08	8.11E-07	1.79E-07	2.58E-07	4.09E-07	7.21E-08	8.26E-08	1.84E-06
1720	494611.06	3858951.99	2.85E-03	3.08E-03	4.91E-03	9.86E-07	2.98E-06	1.72E-06	1.86E-06	1.69E-06	7.70E-07	1.23E-06	3.29E-08	7.96E-07	1.76E-07	2.53E-07	4.01E-07	7.07E-08	8.10E-08	1.81E-06
1721	494661.06	3858951.99	2.80E-03	3.02E-03	4.82E-03	9.69E-07	2.92E-06	1.69E-06	1.83E-06	1.66E-06	7.56E-07	1.21E-06	3.23E-08	7.81E-07	1.72E-07	2.48E-07	3.94E-07	6.94E-08	7.95E-08	1.78E-06
1722	494711.06	3858951.99	2.73E-03	2.94E-03	4.69E-03	9.43E-07	2.85E-06	1.65E-06	1.78E-06	1.61E-06	7.37E-07	1.17E-06	3.15E-08	7.61E-07	1.68E-07	2.42E-07	3.84E-07	6.76E-08	7.74E-08	1.73E-06
1723	494761.06	3858951.99	2.67E-03	2.89E-03	4.60E-03	9.25E-07	2.79E-06	1.62E-06	1.75E-06	1.58E-06	7.22E-07	1.15E-06	3.09E-08	7.46E-07	1.65E-07	2.37E-07	3.76E-07	6.63E-08	7.59E-08	1.70E-06
1724	494811.06	3858951.99	2.64E-03	2.85E-03	4.54E-03	9.13E-07	2.76E-06	1.60E-06	1.72E-06	1.56E-06	7.12E-07	1.14E-06	3.05E-08	7.36E-07	1.62E-07	2.34E-07	3.71E-07	6.54E-08	7.49E-08	1.67E-06
1725	494861.06	3858951.99	2.60E-03	2.81E-03	4.47E-03	9.00E-07	2.72E-06	1.57E-06	1.70E-06	1.54E-06	7.03E-07	1.12E-06	3.00E-08	7.26E-07	1.60E-07	2.31E-07	3.66E-07	6.45E-08	7.38E-08	1.65E-06
1726	494911.06	3858951.99	2.55E-03	2.75E-03	4.38E-03	8.82E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.88E-07	1.10E-06	2.94E-08	7.11E-07	1.57E-07	2.26E-07	3.58E-07	6.32E-08	7.23E-08	1.62E-06
1727	494961.06	3858951.99	2.52E-03	2.72E-03	4.33E-03	8.72E-07	2.63E-06	1.52E-06	1.65E-06	1.49E-06	6.81E-07	1.08E-06	2.91E-08	7.03E-07	1.55E-07	2.24E-07	3.55E-07	6.25E-08	7.16E-08	1.60E-06
1728	495011.06	3858951.99	2.44E-03	2.63E-03	4.20E-03	8.44E-07	2.55E-06	1.48E-06	1.59E-06	1.44E-06	6.59E-07	1.05E-06	2.82E-08	6.81E-07	1.50E-07	2.16E-07	3.43E-07	6.05E-08	6.93E-08	1.55E-06
1729	495061.06	3858951.99	2.36E-03	2.55E-03	4.07E-03	8.18E-07	2.47E-06	1.43E-06	1.54E-06	1.40E-06	6.39E-07	1.02E-06	2.73E-08	6.60E-07	1.46E-07	2.10E-07	3.33E-07	5.86E-08	6.71E-08	1.50E-06
1730	495111.06	3858951.99	2.31E-03	2.49E-03	3.97E-03	7.99E-07	2.41E-06	1.40E-06	1.51E-06	1.37E-06	6.24E-07	9.93E-07	2.67E-08	6.44E-07	1.42E-07	2.05E-07	3.25E-07	5.72E-08	6.55E-08	1.47E-06
1731	495161.06	3858951.99	2.33E-03	2.52E-03	4.01E-03	8.07E-07	2.44E-06	1.41E-06	1.52E-06	1.38E-06	6.30E-07	1.00E-06	2.69E-08	6.51E-07	1.44E-07	2.07E-07	3.28E-07	5.78E-08	6.62E-08	1.48E-06
1732	495211.06	3858951.99	2.33E-03	2.51E-03	4.00E-03	8.05E-07	2.43E-06	1.41E-06	1.52E-06	1.38E-06	6.28E-07	1.00E-06	2.69E-08	6.49E-07	1.43E-07	2.06E-07	3.27E-07	5.77E-08	6.60E-08	1.48E-06
1733	495261.06	3858951.99	2.32E-03	2.51E-03	3.99E-03	8.03E-07	2.43E-06	1.40E-06	1.52E-06	1.37E-06	6.27E-07	9.99E-07	2.68E-08	6.48E-07	1.43E-07	2.06E-07	3.27E-07	5.75E-08	6.59E-08	1.47E-06
1734	495311.06	3858951.99	2.29E-03	2.47E-03	3.94E-03	7.93E-07	2.40E-06	1.39E-06	1.50E-06	1.36E-06	6.19E-07	9.87E-07	2.65E-08	6.40E-07	1.41E-07	2.03E-07	3.23E-07	5.68E-08	6.51E-08	1.46E-06
1735	495361.06	3858951.99	2.29E-03	2.47E-03	3.94E-03	7.93E-07	2.39E-06	1.39E-06	1.50E-06	1.36E-06	6.19E-07	9.86E-07	2.65E-08	6.39E-07	1.41E-07	2.03E-07	3.22E-07	5.68E-08	6.50E-08	1.45E-06
1736	495411.06	3858951.99	2.29E-03	2.47E-03	3.94E-03	7.93E-07	2.40E-06	1.39E-06	1.50E-06	1.36E-06	6.19E-07	9.87E-07	2.65E-08	6.40E-07	1.41E-07	2.03E-07	3.23E-07	5.68E-08	6.51E-08	1.46E-06
1737	495461.06	3858951.99	2.28E-03	2.46E-03	3.92E-03	7.89E-07	2.38E-06	1.38E-06	1.49E-06	1.35E-06	6.16E-07	9.81E-07	2.63E-08	6.36E-07	1.40E-07	2.02E-07	3.21E-07	5.65E-08	6.47E-08	1.45E-06
1738	495511.06	3858951.99	2.28E-03	2.46E-03	3.91E-03	7.88E-07	2.38E-06	1.38E-06	1.49E-06	1.35E-06	6.15E-07	9.80E-07	2.63E-08	6.35E-07	1.40E-07	2.02E-07	3.20E-07	5.64E-08	6.46E-08	1.44E-06
1739	495561.06	3858951.99	2.23E-03	2.41E-03	3.84E-03	7.74E-07	2.34E-06	1.35E-06	1.46E-06	1.32E-06	6.04E-07	9.62E-07	2.58E-08	6.24E-07	1.38E-07	1.98E-07	3.15E-07	5.54E-08	6.35E-08	1.42E-06
1740	495611.06	3858951.99	2.21E-03	2.39E-03	3.80E-03	7.65E-07	2.31E-06	1.34E-06	1.44E-06	1.31E-06	5.98E-07	9.52E-07	2.56E-08	6.17E-07	1.36E-07	1.96E-07	3.11E-07	5.48E-08	6.28E-08	1.40E-06
1741	495661.06	3858951.99	2.21E-03	2.38E-03	3.80E-03	7.64E-07	2.31E-06	1.34E-06	1.44E-06	1.31E-06	5.97E-07	9.50E-07	2.55E-08	6.16E-07	1.36E-07	1.96E-07	3.11E-07	5.48E-08	6.27E-08	1.40E-06
1742	494311.06	3859001.99	3.03E-03	3.27E-03	5.22E-03	1.05E-06	3.17E-06	1.83E-06	1.98E-06	1.80E-06	8.20E-07	1.31E-06	3.50E-08	8.47E-07	1.87E-07	2.69E-07	4.27E-07	7.52E-08	8.62E-08	1.93E-06
1743	494361.06	3859001.99	3.02E-03	3.27E-03	5.21E-03	1.05E-06	3.16E-06	1.83E-06	1.98E-06	1.79E-06	8.17E-07	1.30E-06	3.50E-08	8.44E-07	1.86E-07	2.68E-07	4.26E-07	7.50E-08	8.60E-08	1.92E-06
1744	494411.06	3859001.99	3.02E-03	3.26E-03	5.20E-03	1.04E-06	3.15E-06	1.83E-06	1.97E-06	1.79E-06	8.16E-07	1.30E-06	3.49E-08	8.43E-07	1.86E-07	2.68E-07	4.25E-07	7.49E-08	8.58E-08	1.92E-06
1745	494461.06	3859001.99	3.00E-03	3.24E-03	5.16E-03	1.04E-06	3.13E-06	1.81E-06	1.96E-06	1.78E-06	8.11E-07	1.29E-06	3.47E-08	8.37E-07	1.85E-07	2.66E-07	4.22E-07	7.44E-08	8.53E-08	1.90E-06
1746	494511.06	3859001.99	2.98E-03	3.22E-03	5.13E-03	1.03E-06	3.11E-06	1.80E-06	1.95E-06	1.76E-06	8.05E-07	1.28E-06	3.44E-08	8.32E-07	1.84E-07	2.64E-07	4.19E-07	7.39E-08	8.47E-08	1.89E-06
1747	494561.06	3859001.99	2.93E-03	3.16E-03	5.04E-03	1.01E-06	3.06E-06	1.77E-06	1.91E-06	1.73E-06	7.91E-07	1.26E-06	3.38E-08	8.17E-07	1.80E-07	2.60E-07	4.12E-07	7.26E-08	8.32E-08	1.86E-06
1748	494611.06	3859001.99	2.88E-03	3.11E-03	4.95E-03	9.96E-07	3.01E-06	1.74E-06	1.88E-06	1.70E-06	7.78E-07	1.24E-06	3.32E-08	8.03E-07	1.77E-07	2.55E-07	4.05E-07	7.14E-08	8.18E-08	1.83E-06
1749	494661.06	3859001.99	2.82E-03	3.04E-03	4.85E-03	9.75E-07	2.94E-06	1.70E-06	1.84E-06	1.67E-06	7.61E-07	1.21E-06	3.26E-08	7.86E-07	1.74E-07	2.50E-07	3.96E-07	6.99E-08	8.00E-08	1.79E-06
1750	494711.06	3859001.99	2.75E-03	2.97E-03	4.73E-03	9.50E-07	2.87E-06	1.66E-06	1.79E-06	1.63E-06	7.42E-07	1.18E-06	3.17E-08	7.67E-07	1.69E-07	2.44E-07	3.86E-07	6.81E-08	7.80E-08	1.74E-06
1751	494761.06	3859001.99	2.70E-03	2.92E-03	4.65E-03	9.36E-07	2.83E-06	1.64E-06	1.77E-06	1.60E-06	7.31E-07	1.16E-06	3.12E-08	7.55E-07	1.67E-07	2.40E-07	3.80E-07	6.70E-08	7.68E-08	1.72E-06
1752	494811.06	3859001.99	2.68E-03	2.89E-03	4.61E-03	9.27E-07	2.80E-06	1.62E-06	1.75E-06	1.59E-06	7.24E-07	1.15E-06	3.09E-08	7.48E-07	1.65E-07	2.38E-07	3.77E-07	6.64E-08	7.61E-08	1.70E-06
1753	494861.06	3859001.99	2.63E-03	2.84E-03	4.53E-03	9.11E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.11E-07	1.13E-06	3.04E-08	7.35E-07	1.62E-07	2.33E-07	3.70E-07	6.53E-08	7.48E-08	1.67E-06
1754	494911.06	3859001.99	2.58E-03	2.79E-03	4.44E-03	8.94E-07	2.70E-06	1.56E-06	1.69E-06	1.53E-06	6.98E-07	1.11E-06	2.98E-08	7.21E-07	1.59E-07	2.29E-07	3.63E-07	6.41E-08	7.34E-08	1.64E-06
1755	494961.06	3859001.99	2.53E-03	2.74E-03	4.36E-03	8.77E-07	2.65E-06	1.53E-06	1.66E-06	1.50E-06	6.85E-07	1.09E-06	2.93E-08	7.07E-07	1.56E-07	2.25E-07	3.56E-07	6.28E-08	7.20E-08	1.61E-06
1756	495011.06	3859001.99	2.40E-03	2.60E-03	4.14E-03	8.32E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.50E-07	1.03E-06	2.78E-08	6.71E-07	1.48E-07	2.13E-07	3.38E-07	5.96E-08	6.83E-08	1.53E-06
1757	495061.06	3859001.99	2.38E-03	2.57E-03	4.09E-03	8.23E-07	2.49E-06	1.44E-06	1.55E-06	1.41E-06	6.43E-07	1.02E-06	2.75E-08	6.64E-07	1.47E-07	2.11E-07	3.35E-07	5.90E-08	6.75E-08	1.51E-06
1758	495111.06	3859001.99	2.32E-03	2.51E-03	4.00E-03	8.05E-07	2.43E-06	1.41E-06	1.52E-06	1.38E-06	6.28E-07	1.00E-06	2.69E-08	6.49E-07	1.43E-07	2.06E-07	3.27E-07	5.77E-08	6.60E-08	1.48E-06
1759	495161.06	3859001.99	2.36E-03	2.55E-03	4.07E-03	8.18E-07	2.47E-06	1.43E-06	1.54E-06	1.40E-06	6.39E-07	1.02E-06	2.73E-08	6.60E-07	1.46E-07	2.10E-07	3.33E-07	5.86E-08	6.71E-08	1.50E-06
1760	495211.06	3859001.99	2.35E-03	2.54E-03	4.04E-03	8.14E-07	2.46E-06	1.42E-06	1.54E-06	1.39E-06	6.35E-07	1.01E-06	2.72E-08	6.56E-07	1.45E-07	2.09E-07	3.31E-07	5.83E-08	6.68E-08	1.49E-06
1761	495261.06	3859001.99	2.35E-03	2.54E-03	4.04E-03	8.13E-07	2.46E-06	1.42E-06	1.54E-06	1.39E-06	6.35E-07	1.01E-06	2.72E-08	6.56E-07	1.45E-07	2.08E-07	3.31E-07	5.83E-08	6.67E-08	1.49E-06
1762	495311.06	3859001.99	2.33E-03	2.52E-03	4.02E-03	8.08E-07	2.44E-06	1.41E-06	1.53E-06	1.38E-06	6.31E-07	1.01E-06	2.70E-08	6.52E-07	1.44E-07	2.07E-07	3.29E-07	5.79E-08	6.63E-08	1.48E-06
1763	495361.06	3859001.99	2.33E-03	2.52E-03	4.01E-03	8.07E-07	2.44E-06	1.41E-06	1.52E-06	1.38E-06	6.30E-07	1.00E-06	2.69E-08	6.51E-07	1.44E-07	2.07E-07	3.28E-07	5.78E-08	6.62E-08	1.48E-06

1764	495411.06	3859001.99	2.32E-03	2.51E-03	3.99E-03	8.04E-07	2.43E-06	1.40E-06	1.52E-06	1.38E-06	6.27E-07	1.00E-06	2.68E-08	6.48E-07	1.43E-07	2.06E-07	3.27E-07	5.76E-08	6.59E-08	1.47E-06
1765	495461.06	3859001.99	2.32E-03	2.50E-03	3.98E-03	8.01E-07	2.42E-06	1.40E-06	1.51E-06	1.37E-06	6.26E-07	9.97E-07	2.68E-08	6.46E-07	1.43E-07	2.05E-07	3.26E-07	5.74E-08	6.58E-08	1.47E-06
1766	495511.06	3859001.99	2.28E-03	2.47E-03	3.93E-03	7.90E-07	2.39E-06	1.38E-06	1.49E-06	1.35E-06	6.17E-07	9.83E-07	2.64E-08	6.38E-07	1.41E-07	2.03E-07	3.21E-07	5.66E-08	6.49E-08	1.45E-06
1767	495561.06	3859001.99	2.27E-03	2.45E-03	3.90E-03	7.84E-07	2.37E-06	1.37E-06	1.48E-06	1.34E-06	6.12E-07	9.75E-07	2.62E-08	6.32E-07	1.40E-07	2.01E-07	3.19E-07	5.62E-08	6.43E-08	1.44E-06
1768	495611.06	3859001.99	2.24E-03	2.42E-03	3.86E-03	7.77E-07	2.35E-06	1.36E-06	1.47E-06	1.33E-06	6.07E-07	9.66E-07	2.59E-08	6.27E-07	1.38E-07	1.99E-07	3.16E-07	5.57E-08	6.37E-08	1.43E-06
1769	495661.06	3859001.99	2.26E-03	2.44E-03	3.88E-03	7.81E-07	2.36E-06	1.36E-06	1.47E-06	1.34E-06	6.10E-07	9.71E-07	2.61E-08	6.30E-07	1.39E-07	2.00E-07	3.17E-07	5.60E-08	6.41E-08	1.43E-06
1770	494311.06	3859051.99	3.08E-03	3.33E-03	5.31E-03	1.07E-06	3.22E-06	1.87E-06	2.02E-06	1.83E-06	8.34E-07	1.33E-06	3.56E-08	8.61E-07	1.90E-07	2.74E-07	4.34E-07	7.65E-08	8.77E-08	1.96E-06
1771	494361.06	3859051.99	3.09E-03	3.33E-03	5.31E-03	1.07E-06	3.22E-06	1.87E-06	2.02E-06	1.83E-06	8.34E-07	1.33E-06	3.57E-08	8.61E-07	1.90E-07	2.74E-07	4.34E-07	7.65E-08	8.77E-08	1.96E-06
1772	494411.06	3859051.99	3.06E-03	3.30E-03	5.27E-03	1.06E-06	3.20E-06	1.85E-06	2.00E-06	1.81E-06	8.26E-07	1.32E-06	3.53E-08	8.54E-07	1.88E-07	2.71E-07	4.30E-07	7.58E-08	8.69E-08	1.94E-06
1773	494461.06	3859051.99	3.02E-03	3.27E-03	5.21E-03	1.05E-06	3.16E-06	1.83E-06	1.98E-06	1.79E-06	8.17E-07	1.30E-06	3.50E-08	8.44E-07	1.86E-07	2.68E-07	4.26E-07	7.50E-08	8.60E-08	1.92E-06
1774	494511.06	3859051.99	2.98E-03	3.22E-03	5.13E-03	1.03E-06	3.12E-06	1.80E-06	1.95E-06	1.77E-06	8.06E-07	1.28E-06	3.45E-08	8.32E-07	1.84E-07	2.64E-07	4.20E-07	7.39E-08	8.47E-08	1.89E-06
1775	494561.06	3859051.99	2.94E-03	3.18E-03	5.07E-03	1.02E-06	3.08E-06	1.78E-06	1.92E-06	1.74E-06	7.96E-07	1.27E-06	3.40E-08	8.22E-07	1.81E-07	2.61E-07	4.14E-07	7.30E-08	8.37E-08	1.87E-06
1776	494611.06	3859051.99	2.89E-03	3.13E-03	4.98E-03	1.00E-06	3.02E-06	1.75E-06	1.89E-06	1.71E-06	7.82E-07	1.25E-06	3.34E-08	8.08E-07	1.78E-07	2.57E-07	4.07E-07	7.18E-08	8.23E-08	1.84E-06
1777	494661.06	3859051.99	2.84E-03	3.07E-03	4.89E-03	9.83E-07	2.97E-06	1.72E-06	1.86E-06	1.68E-06	7.67E-07	1.22E-06	3.28E-08	7.93E-07	1.75E-07	2.52E-07	4.00E-07	7.04E-08	8.07E-08	1.80E-06
1778	494711.06	3859051.99	2.79E-03	3.01E-03	4.80E-03	9.65E-07	2.91E-06	1.69E-06	1.82E-06	1.65E-06	7.54E-07	1.20E-06	3.22E-08	7.79E-07	1.72E-07	2.47E-07	3.92E-07	6.92E-08	7.93E-08	1.77E-06
1779	494761.06	3859051.99	2.74E-03	2.95E-03	4.71E-03	9.47E-07	2.86E-06	1.66E-06	1.79E-06	1.62E-06	7.40E-07	1.18E-06	3.16E-08	7.64E-07	1.69E-07	2.43E-07	3.85E-07	6.79E-08	7.78E-08	1.74E-06
1780	494811.06	3859051.99	2.70E-03	2.92E-03	4.65E-03	9.34E-07	2.82E-06	1.63E-06	1.76E-06	1.60E-06	7.30E-07	1.16E-06	3.12E-08	7.54E-07	1.66E-07	2.39E-07	3.80E-07	6.70E-08	7.67E-08	1.71E-06
1781	494861.06	3859051.99	2.66E-03	2.87E-03	4.58E-03	9.21E-07	2.78E-06	1.61E-06	1.74E-06	1.58E-06	7.19E-07	1.15E-06	3.08E-08	7.43E-07	1.64E-07	2.36E-07	3.75E-07	6.60E-08	7.56E-08	1.69E-06
1782	494911.06	3859051.99	2.60E-03	2.81E-03	4.48E-03	9.01E-07	2.72E-06	1.57E-06	1.70E-06	1.54E-06	7.03E-07	1.12E-06	3.01E-08	7.27E-07	1.60E-07	2.31E-07	3.66E-07	6.46E-08	7.40E-08	1.65E-06
1783	494961.06	3859051.99	2.52E-03	2.72E-03	4.33E-03	8.71E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.80E-07	1.08E-06	2.91E-08	7.02E-07	1.55E-07	2.23E-07	3.54E-07	6.24E-08	7.15E-08	1.60E-06
1784	495011.06	3859051.99	2.45E-03	2.65E-03	4.22E-03	8.49E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.63E-07	1.06E-06	2.84E-08	6.85E-07	1.51E-07	2.18E-07	3.45E-07	6.08E-08	6.97E-08	1.56E-06
1785	495061.06	3859051.99	2.41E-03	2.60E-03	4.15E-03	8.34E-07	2.52E-06	1.46E-06	1.57E-06	1.43E-06	6.51E-07	1.04E-06	2.79E-08	6.73E-07	1.48E-07	2.14E-07	3.39E-07	5.98E-08	6.85E-08	1.53E-06
1786	495111.06	3859051.99	2.39E-03	2.58E-03	4.11E-03	8.27E-07	2.50E-06	1.44E-06	1.56E-06	1.41E-06	6.45E-07	1.03E-06	2.76E-08	6.67E-07	1.47E-07	2.12E-07	3.36E-07	5.92E-08	6.78E-08	1.52E-06
1787	495161.06	3859051.99	2.41E-03	2.60E-03	4.14E-03	8.33E-07	2.51E-06	1.46E-06	1.57E-06	1.42E-06	6.50E-07	1.04E-06	2.78E-08	6.72E-07	1.48E-07	2.13E-07	3.39E-07	5.97E-08	6.83E-08	1.53E-06
1788	495211.06	3859051.99	2.38E-03	2.57E-03	4.09E-03	8.23E-07	2.49E-06	1.44E-06	1.55E-06	1.41E-06	6.43E-07	1.02E-06	2.75E-08	6.64E-07	1.47E-07	2.11E-07	3.35E-07	5.90E-08	6.76E-08	1.51E-06
1789	495261.06	3859051.99	2.39E-03	2.58E-03	4.10E-03	8.26E-07	2.49E-06	1.44E-06	1.56E-06	1.41E-06	6.45E-07	1.03E-06	2.76E-08	6.66E-07	1.47E-07	2.12E-07	3.36E-07	5.92E-08	6.78E-08	1.51E-06
1790	495311.06	3859051.99	2.37E-03	2.56E-03	4.07E-03	8.19E-07	2.47E-06	1.43E-06	1.55E-06	1.40E-06	6.40E-07	1.02E-06	2.74E-08	6.61E-07	1.46E-07	2.10E-07	3.33E-07	5.87E-08	6.72E-08	1.50E-06
1791	495361.06	3859051.99	2.36E-03	2.55E-03	4.06E-03	8.17E-07	2.47E-06	1.43E-06	1.54E-06	1.40E-06	6.38E-07	1.02E-06	2.73E-08	6.59E-07	1.45E-07	2.09E-07	3.32E-07	5.85E-08	6.70E-08	1.50E-06
1792	495411.06	3859051.99	2.36E-03	2.55E-03	4.06E-03	8.16E-07	2.46E-06	1.43E-06	1.54E-06	1.40E-06	6.37E-07	1.02E-06	2.73E-08	6.58E-07	1.45E-07	2.09E-07	3.32E-07	5.85E-08	6.70E-08	1.50E-06
1793	495461.06	3859051.99	2.36E-03	2.54E-03	4.06E-03	8.16E-07	2.46E-06	1.43E-06	1.54E-06	1.40E-06	6.37E-07	1.01E-06	2.72E-08	6.58E-07	1.45E-07	2.09E-07	3.32E-07	5.85E-08	6.69E-08	1.50E-06
1794	495511.06	3859051.99	2.32E-03	2.51E-03	4.00E-03	8.04E-07	2.43E-06	1.41E-06	1.52E-06	1.38E-06	6.28E-07	1.00E-06	2.69E-08	6.49E-07	1.43E-07	2.06E-07	3.27E-07	5.76E-08	6.60E-08	1.48E-06
1795	495561.06	3859051.99	2.30E-03	2.48E-03	3.95E-03	7.96E-07	2.40E-06	1.39E-06	1.50E-06	1.36E-06	6.21E-07	9.90E-07	2.66E-08	6.42E-07	1.42E-07	2.04E-07	3.23E-07	5.70E-08	6.53E-08	1.46E-06
1796	495611.06	3859051.99	2.28E-03	2.46E-03	3.92E-03	7.88E-07	2.38E-06	1.38E-06	1.49E-06	1.35E-06	6.15E-07	9.80E-07	2.63E-08	6.36E-07	1.40E-07	2.02E-07	3.20E-07	5.65E-08	6.47E-08	1.45E-06
1797	495661.06	3859051.99	2.29E-03	2.47E-03	3.93E-03	7.91E-07	2.39E-06	1.38E-06	1.49E-06	1.35E-06	6.18E-07	9.84E-07	2.64E-08	6.38E-07	1.41E-07	2.03E-07	3.22E-07	5.67E-08	6.49E-08	1.45E-06
1798	494311.06	3859101.99	3.14E-03	3.39E-03	5.41E-03	1.09E-06	3.28E-06	1.90E-06	2.05E-06	1.86E-06	8.48E-07	1.35E-06	3.63E-08	8.76E-07	1.93E-07	2.78E-07	4.42E-07	7.78E-08	8.92E-08	1.99E-06
1799	494361.06	3859101.99	3.11E-03	3.36E-03	5.36E-03	1.08E-06	3.25E-06	1.88E-06	2.03E-06	1.84E-06	8.42E-07	1.34E-06	3.60E-08	8.69E-07	1.92E-07	2.76E-07	4.38E-07	7.72E-08	8.85E-08	1.98E-06
1800	494411.06	3859101.99	3.09E-03	3.34E-03	5.33E-03	1.07E-06	3.23E-06	1.87E-06	2.02E-06	1.83E-06	8.36E-07	1.33E-06	3.58E-08	8.64E-07	1.91E-07	2.75E-07	4.35E-07	7.68E-08	8.80E-08	1.96E-06
1801	494461.06	3859101.99	3.06E-03	3.30E-03	5.27E-03	1.06E-06	3.20E-06	1.85E-06	2.00E-06	1.81E-06	8.27E-07	1.32E-06	3.54E-08	8.54E-07	1.88E-07	2.71E-07	4.31E-07	7.59E-08	8.70E-08	1.94E-06
1802	494511.06	3859101.99	3.01E-03	3.25E-03	5.18E-03	1.04E-06	3.14E-06	1.82E-06	1.97E-06	1.78E-06	8.13E-07	1.30E-06	3.48E-08	8.40E-07	1.85E-07	2.67E-07	4.23E-07	7.46E-08	8.55E-08	1.91E-06
1803	494561.06	3859101.99	2.97E-03	3.20E-03	5.11E-03	1.03E-06	3.10E-06	1.80E-06	1.94E-06	1.76E-06	8.02E-07	1.28E-06	3.43E-08	8.28E-07	1.83E-07	2.63E-07	4.18E-07	7.36E-08	8.44E-08	1.88E-06
1804	494611.06	3859101.99	2.90E-03	3.14E-03	5.00E-03	1.01E-06	3.04E-06	1.76E-06	1.90E-06	1.72E-06	7.85E-07	1.25E-06	3.36E-08	8.11E-07	1.79E-07	2.58E-07	4.09E-07	7.20E-08	8.26E-08	1.84E-06
1805	494661.06	3859101.99	2.86E-03	3.09E-03	4.93E-03	9.92E-07	2.99E-06	1.73E-06	1.87E-06	1.70E-06	7.74E-07	1.23E-06	3.31E-08	8.00E-07	1.77E-07	2.54E-07	4.03E-07	7.11E-08	8.15E-08	1.82E-06
1806	494711.06	3859101.99	2.79E-03	3.02E-03	4.81E-03	9.67E-07	2.92E-06	1.69E-06	1.83E-06	1.66E-06	7.55E-07	1.20E-06	3.23E-08	7.80E-07	1.72E-07	2.48E-07	3.93E-07	6.93E-08	7.94E-08	1.77E-06
1807	494761.06	3859101.99	2.78E-03	3.00E-03	4.78E-03	9.61E-07	2.90E-06	1.68E-06	1.81E-06	1.64E-06	7.50E-07	1.20E-06	3.21E-08	7.75E-07	1.71E-07	2.46E-07	3.91E-07	6.89E-08	7.89E-08	1.76E-06
1808	494811.06	3859101.99	2.73E-03	2.95E-03	4.70E-03	9.45E-07	2.85E-06	1.65E-06	1.78E-06	1.62E-06	7.38E-07	1.18E-06	3.16E-08	7.62E-07	1.68E-07	2.42E-07	3.84E-07	6.77E-08	7.76E-08	1.73E-06
1809	494861.06	3859101.99	2.69E-03	2.90E-03	4.63E-03	9.31E-07	2.81E-06	1.63E-06	1.76E-06	1.59E-06	7.27E-07	1.16E-06	3.11E-08	7.51E-07	1.66E-07	2.39E-07	3.78E-07	6.67E-08	7.64E-08	1.71E-06
1810	494911.06	3859101.99	2.63E-03	2.84E-03	4.53E-03	9.10E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.10E-07	1.13E-06	3.04E-08	7.34E-07	1.62E-07	2.33E-07	3.70E-07	6.52E-08	7.47E-08	1.67E-06
1811	494961.06	3859101.99	2.54E-03	2.74E-03	4.37E-03	8.78E-07	2.65E-06	1.54E-06	1.66E-06	1.50E-06	6.86E-07	1.09E-06	2.93E-08	7.08E-07	1.56E-07	2.25E-07	3.57E-07	6.29E-08	7.21E-08	1.61E-06
1812	495011.06	3859101.99	2.44E-03	2.64E-03	4.20E-03	8.46E-07	2.55E-06	1.48E-06	1.60E-06	1.45E-06	6.60E-07	1.05E-06	2.82E-08	6.82E-07	1.51E-07	2.17E-07	3.44E-07	6.06E-08	6.94E-08	1.55E-06
1813	495061.06	3859101.99	2.44E-03	2.64E-03	4.20E-03	8.46E-07	2.55E-06	1.48E-06	1.60E-06	1.45E-06	6.60E-07	1.05E-06	2.82E-08	6.82E-07	1.51E-07	2.17E-07	3.44E-07	6.06E-08	6.94E-08	1.55E-06
1814	495111.06	3859101.99	2.42E-03	2.61E-03	4.16E-03	8.37E-07	2.53E-06	1.46E-06	1.58E-06	1.43E-06	6.53E-07	1.04E-06	2.79E-08	6.75E-07	1.49E-07	2.14E-07	3.40E-07	6.00E-08	6.87E-08	1.54E-06
1815	495161.06	3859101.99	2.43E-03	2.63E-03	4.19E-03	8.43E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.58E-07	1.05E-06	2.81E-08	6.80E-07	1.50E-07	2.16E-07	3.43E-07	6.04E-08	6.92E-08	1.55E-06
1816	495211.06	3859101.99	2.42E-03	2.61E-03	4.16E-03	8.36E-07	2.52E-06	1.46E-06	1.58E-06	1.43E-06	6.53E-07	1.04E-06	2.79E-08	6.74E-07	1.49E-07	2.14E-07	3.40E-07	5.99E-08	6.86E-08	1.53E-06
1817	495261.06	3859101.99	2.41E-03	2.60E-03	4.15E-03	8.35E-07	2.52E-06	1.46E-06	1.58E-06	1.43E-06	6.52E-07	1.04E-06	2.79E-08	6.73E-07	1.49E-07	2.14E-07	3.39E-07	5.98E-08	6.85E-08	1.53E-06
1818	495311.06	3859101.99	2.40E-03	2.60E-03	4.14E-03	8.32E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.49E-07	1.04E-06	2.78E-08	6.71E-07	1.48E-07	2.13E-07	3.38E-07	5.96E-08	6.83E-08	1.53E-06
1819	495361.06	3859101.99	2.40E-03	2.60E-03	4.14E-03	8.32E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.50E-07	1.04E-06	2.78E-08	6.71E-07	1.48E-07	2.13E-07	3.38E-07	5.96E-08	6.83E-08	1.53E-06
1820	495411.06	3859101.99	2.40E-03	2.59E-03	4.13E-03	8.30E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.48E-07	1.03E-06	2.77E-08	6.70E-07	1.48E-07	2.13E-07	3.38E-07	5.95E-08	6.81E-08	1.52E-06
1821	495461.06	3859101.99	2.38E-03	2.57E-03	4.09E-03	8.22E-07	2.48E-06	1.44E-06	1.55E-06	1.41E-06	6.42E-07	1.02E-06	2.75E-08	6.63E-07	1.46E-07	2.11E-07	3.34E-07	5.89E-08	6.75E-08	1.51E-06
1822	495511.06	3859101.99	2.36E-03	2.55E-03	4.07E-03	8.18E-07	2.47E-06	1.43E-06	1.54E-06	1.40E-06	6.39E-07	1.02E-06	2.73E-08	6.60E-07	1.46E-07	2.10E-07	3.33E-07	5.86E-08	6.72E-08	1.50E-06

1823	495561.06	3859101.99	2.34E-03	2.53E-03	4.03E-03	8.11E-07	2.45E-06	1.42E-06	1.53E-06	1.39E-06	6.33E-07	1.01E-06	2.71E-08	6.54E-07	1.44E-07	2.08E-07	3.30E-07	5.81E-08	6.65E-08	1.49E-06
1824	495611.06	3859101.99	2.32E-03	2.50E-03	3.98E-03	8.02E-07	2.42E-06	1.40E-06	1.51E-06	1.37E-06	6.26E-07	9.97E-07	2.68E-08	6.47E-07	1.43E-07	2.05E-07	3.26E-07	5.74E-08	6.58E-08	1.47E-06
1825	495661.06	3859101.99	2.31E-03	2.50E-03	3.98E-03	8.01E-07	2.42E-06	1.40E-06	1.51E-06	1.37E-06	6.25E-07	9.96E-07	2.67E-08	6.46E-07	1.43E-07	2.05E-07	3.26E-07	5.74E-08	6.57E-08	1.47E-06
1826	494311.06	3859151.99	3.17E-03	3.42E-03	5.46E-03	1.10E-06	3.31E-06	1.92E-06	2.07E-06	1.88E-06	8.56E-07	1.37E-06	3.66E-08	8.84E-07	1.95E-07	2.81E-07	4.46E-07	7.86E-08	9.01E-08	2.01E-06
1827	494361.06	3859151.99	3.15E-03	3.40E-03	5.43E-03	1.09E-06	3.29E-06	1.91E-06	2.06E-06	1.87E-06	8.52E-07	1.36E-06	3.64E-08	8.80E-07	1.94E-07	2.80E-07	4.44E-07	7.82E-08	8.96E-08	2.00E-06
1828	494411.06	3859151.99	3.11E-03	3.36E-03	5.36E-03	1.08E-06	3.25E-06	1.88E-06	2.03E-06	1.84E-06	8.41E-07	1.34E-06	3.60E-08	8.69E-07	1.92E-07	2.76E-07	4.38E-07	7.72E-08	8.85E-08	1.98E-06
1829	494461.06	3859151.99	3.07E-03	3.32E-03	5.29E-03	1.06E-06	3.21E-06	1.86E-06	2.01E-06	1.82E-06	8.30E-07	1.32E-06	3.55E-08	8.57E-07	1.89E-07	2.72E-07	4.32E-07	7.62E-08	8.73E-08	1.95E-06
1830	494511.06	3859151.99	3.02E-03	3.26E-03	5.20E-03	1.04E-06	3.15E-06	1.82E-06	1.97E-06	1.79E-06	8.15E-07	1.30E-06	3.49E-08	8.42E-07	1.86E-07	2.68E-07	4.25E-07	7.48E-08	8.58E-08	1.92E-06
1831	494561.06	3859151.99	2.98E-03	3.22E-03	5.14E-03	1.03E-06	3.12E-06	1.81E-06	1.95E-06	1.77E-06	8.06E-07	1.29E-06	3.45E-08	8.33E-07	1.84E-07	2.65E-07	4.20E-07	7.40E-08	8.48E-08	1.89E-06
1832	494611.06	3859151.99	2.93E-03	3.16E-03	5.05E-03	1.01E-06	3.06E-06	1.77E-06	1.91E-06	1.74E-06	7.92E-07	1.26E-06	3.39E-08	8.18E-07	1.80E-07	2.60E-07	4.12E-07	7.27E-08	8.33E-08	1.86E-06
1833	494661.06	3859151.99	2.89E-03	3.13E-03	4.98E-03	1.00E-06	3.02E-06	1.75E-06	1.89E-06	1.71E-06	7.82E-07	1.25E-06	3.35E-08	8.08E-07	1.78E-07	2.57E-07	4.07E-07	7.18E-08	8.23E-08	1.84E-06
1834	494711.06	3859151.99	2.86E-03	3.09E-03	4.93E-03	9.92E-07	2.99E-06	1.73E-06	1.87E-06	1.70E-06	7.74E-07	1.23E-06	3.31E-08	8.00E-07	1.76E-07	2.54E-07	4.03E-07	7.11E-08	8.14E-08	1.82E-06
1835	494761.06	3859151.99	2.80E-03	3.02E-03	4.82E-03	9.69E-07	2.93E-06	1.69E-06	1.83E-06	1.66E-06	7.57E-07	1.21E-06	3.24E-08	7.82E-07	1.73E-07	2.48E-07	3.94E-07	6.95E-08	7.96E-08	1.78E-06
1836	494811.06	3859151.99	2.75E-03	2.97E-03	4.73E-03	9.51E-07	2.87E-06	1.66E-06	1.80E-06	1.63E-06	7.43E-07	1.18E-06	3.18E-08	7.67E-07	1.69E-07	2.44E-07	3.87E-07	6.81E-08	7.81E-08	1.74E-06
1837	494861.06	3859151.99	2.71E-03	2.93E-03	4.67E-03	9.39E-07	2.84E-06	1.64E-06	1.77E-06	1.61E-06	7.33E-07	1.17E-06	3.14E-08	7.58E-07	1.67E-07	2.41E-07	3.82E-07	6.73E-08	7.71E-08	1.72E-06
1838	494911.06	3859151.99	2.65E-03	2.86E-03	4.56E-03	9.16E-07	2.77E-06	1.60E-06	1.73E-06	1.57E-06	7.16E-07	1.14E-06	3.06E-08	7.39E-07	1.63E-07	2.35E-07	3.73E-07	6.57E-08	7.52E-08	1.68E-06
1839	494961.06	3859151.99	2.56E-03	2.76E-03	4.40E-03	8.85E-07	2.67E-06	1.55E-06	1.67E-06	1.52E-06	6.91E-07	1.10E-06	2.96E-08	7.14E-07	1.58E-07	2.27E-07	3.60E-07	6.34E-08	7.27E-08	1.62E-06
1840	495011.06	3859151.99	2.47E-03	2.67E-03	4.26E-03	8.56E-07	2.59E-06	1.50E-06	1.62E-06	1.47E-06	6.69E-07	1.07E-06	2.86E-08	6.91E-07	1.52E-07	2.19E-07	3.48E-07	6.14E-08	7.03E-08	1.57E-06
1841	495061.06	3859151.99	2.47E-03	2.66E-03	4.24E-03	8.54E-07	2.58E-06	1.49E-06	1.61E-06	1.46E-06	6.67E-07	1.06E-06	2.85E-08	6.89E-07	1.52E-07	2.19E-07	3.47E-07	6.12E-08	7.01E-08	1.57E-06
1842	495111.06	3859151.99	2.45E-03	2.65E-03	4.22E-03	8.48E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.62E-07	1.06E-06	2.83E-08	6.84E-07	1.51E-07	2.17E-07	3.45E-07	6.08E-08	6.96E-08	1.56E-06
1843	495161.06	3859151.99	2.47E-03	2.67E-03	4.25E-03	8.54E-07	2.58E-06	1.49E-06	1.61E-06	1.46E-06	6.67E-07	1.06E-06	2.85E-08	6.89E-07	1.52E-07	2.19E-07	3.47E-07	6.12E-08	7.01E-08	1.57E-06
1844	495211.06	3859151.99	2.46E-03	2.65E-03	4.23E-03	8.50E-07	2.57E-06	1.49E-06	1.60E-06	1.45E-06	6.64E-07	1.06E-06	2.84E-08	6.86E-07	1.51E-07	2.18E-07	3.46E-07	6.09E-08	6.98E-08	1.56E-06
1845	495261.06	3859151.99	2.44E-03	2.64E-03	4.21E-03	8.46E-07	2.55E-06	1.48E-06	1.60E-06	1.45E-06	6.61E-07	1.05E-06	2.83E-08	6.82E-07	1.51E-07	2.17E-07	3.44E-07	6.06E-08	6.94E-08	1.55E-06
1846	495311.06	3859151.99	2.44E-03	2.63E-03	4.19E-03	8.43E-07	2.55E-06	1.47E-06	1.59E-06	1.44E-06	6.58E-07	1.05E-06	2.82E-08	6.80E-07	1.50E-07	2.16E-07	3.43E-07	6.04E-08	6.92E-08	1.55E-06
1847	495361.06	3859151.99	2.43E-03	2.62E-03	4.18E-03	8.40E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.56E-07	1.05E-06	2.80E-08	6.77E-07	1.49E-07	2.15E-07	3.41E-07	6.02E-08	6.89E-08	1.54E-06
1848	495411.06	3859151.99	2.44E-03	2.63E-03	4.20E-03	8.44E-07	2.55E-06	1.48E-06	1.59E-06	1.44E-06	6.59E-07	1.05E-06	2.82E-08	6.81E-07	1.50E-07	2.16E-07	3.43E-07	6.05E-08	6.93E-08	1.55E-06
1849	495461.06	3859151.99	2.43E-03	2.62E-03	4.18E-03	8.41E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.57E-07	1.05E-06	2.81E-08	6.78E-07	1.50E-07	2.16E-07	3.42E-07	6.03E-08	6.91E-08	1.54E-06
1850	495511.06	3859151.99	2.40E-03	2.59E-03	4.13E-03	8.31E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.49E-07	1.03E-06	2.77E-08	6.70E-07	1.48E-07	2.13E-07	3.38E-07	5.95E-08	6.82E-08	1.52E-06
1851	495561.06	3859151.99	2.38E-03	2.57E-03	4.10E-03	8.24E-07	2.49E-06	1.44E-06	1.55E-06	1.41E-06	6.43E-07	1.02E-06	2.75E-08	6.64E-07	1.47E-07	2.11E-07	3.35E-07	5.90E-08	6.76E-08	1.51E-06
1852	495611.06	3859151.99	2.36E-03	2.55E-03	4.06E-03	8.17E-07	2.47E-06	1.43E-06	1.54E-06	1.40E-06	6.38E-07	1.02E-06	2.73E-08	6.59E-07	1.45E-07	2.09E-07	3.32E-07	5.86E-08	6.71E-08	1.50E-06
1853	495661.06	3859151.99	2.35E-03	2.53E-03	4.04E-03	8.12E-07	2.45E-06	1.42E-06	1.53E-06	1.39E-06	6.34E-07	1.01E-06	2.71E-08	6.55E-07	1.45E-07	2.08E-07	3.30E-07	5.82E-08	6.67E-08	1.49E-06
1854	494311.06	3859201.99	3.19E-03	3.44E-03	5.49E-03	1.10E-06	3.33E-06	1.93E-06	2.08E-06	1.89E-06	8.62E-07	1.37E-06	3.69E-08	8.90E-07	1.96E-07	2.83E-07	4.49E-07	7.91E-08	9.07E-08	2.02E-06
1855	494361.06	3859201.99	3.16E-03	3.42E-03	5.45E-03	1.10E-06	3.31E-06	1.91E-06	2.07E-06	1.87E-06	8.55E-07	1.36E-06	3.66E-08	8.83E-07	1.95E-07	2.81E-07	4.45E-07	7.85E-08	9.00E-08	2.01E-06
1856	494411.06	3859201.99	3.13E-03	3.38E-03	5.39E-03	1.08E-06	3.27E-06	1.89E-06	2.05E-06	1.85E-06	8.46E-07	1.35E-06	3.62E-08	8.74E-07	1.93E-07	2.78E-07	4.41E-07	7.76E-08	8.90E-08	1.99E-06
1857	494461.06	3859201.99	3.08E-03	3.33E-03	5.31E-03	1.07E-06	3.22E-06	1.86E-06	2.01E-06	1.83E-06	8.33E-07	1.33E-06	3.56E-08	8.60E-07	1.90E-07	2.73E-07	4.34E-07	7.64E-08	8.76E-08	1.96E-06
1858	494511.06	3859201.99	3.05E-03	3.29E-03	5.25E-03	1.05E-06	3.19E-06	1.84E-06	1.99E-06	1.81E-06	8.24E-07	1.31E-06	3.52E-08	8.51E-07	1.88E-07	2.70E-07	4.29E-07	7.56E-08	8.67E-08	1.94E-06
1859	494561.06	3859201.99	2.99E-03	3.23E-03	5.15E-03	1.04E-06	3.13E-06	1.81E-06	1.96E-06	1.77E-06	8.09E-07	1.29E-06	3.46E-08	8.35E-07	1.84E-07	2.65E-07	4.21E-07	7.42E-08	8.51E-08	1.90E-06
1860	494611.06	3859201.99	2.95E-03	3.18E-03	5.08E-03	1.02E-06	3.08E-06	1.78E-06	1.93E-06	1.75E-06	7.97E-07	1.27E-06	3.41E-08	8.23E-07	1.82E-07	2.62E-07	4.15E-07	7.31E-08	8.38E-08	1.87E-06
1861	494661.06	3859201.99	2.91E-03	3.15E-03	5.02E-03	1.01E-06	3.04E-06	1.76E-06	1.90E-06	1.73E-06	7.87E-07	1.26E-06	3.37E-08	8.13E-07	1.79E-07	2.58E-07	4.10E-07	7.23E-08	8.28E-08	1.85E-06
1862	494711.06	3859201.99	2.88E-03	3.11E-03	4.96E-03	9.96E-07	3.01E-06	1.74E-06	1.88E-06	1.71E-06	7.78E-07	1.24E-06	3.33E-08	8.04E-07	1.77E-07	2.55E-07	4.05E-07	7.14E-08	8.19E-08	1.83E-06
1863	494761.06	3859201.99	2.82E-03	3.05E-03	4.86E-03	9.76E-07	2.95E-06	1.71E-06	1.84E-06	1.67E-06	7.62E-07	1.22E-06	3.26E-08	7.87E-07	1.74E-07	2.50E-07	3.97E-07	7.00E-08	8.02E-08	1.79E-06
1864	494811.06	3859201.99	2.77E-03	2.99E-03	4.77E-03	9.59E-07	2.90E-06	1.68E-06	1.81E-06	1.64E-06	7.49E-07	1.19E-06	3.20E-08	7.74E-07	1.71E-07	2.46E-07	3.90E-07	6.88E-08	7.88E-08	1.76E-06
1865	494861.06	3859201.99	2.72E-03	2.93E-03	4.68E-03	9.40E-07	2.84E-06	1.64E-06	1.77E-06	1.61E-06	7.34E-07	1.17E-06	3.14E-08	7.58E-07	1.67E-07	2.41E-07	3.82E-07	6.74E-08	7.72E-08	1.72E-06
1866	494911.06	3859201.99	2.64E-03	2.85E-03	4.55E-03	9.15E-07	2.76E-06	1.60E-06	1.73E-06	1.57E-06	7.14E-07	1.14E-06	3.06E-08	7.38E-07	1.63E-07	2.35E-07	3.72E-07	6.56E-08	7.51E-08	1.68E-06
1867	494961.06	3859201.99	2.57E-03	2.77E-03	4.42E-03	8.89E-07	2.68E-06	1.55E-06	1.68E-06	1.52E-06	6.94E-07	1.11E-06	2.97E-08	7.17E-07	1.58E-07	2.28E-07	3.61E-07	6.37E-08	7.30E-08	1.63E-06
1868	495011.06	3859201.99	2.47E-03	2.66E-03	4.25E-03	8.54E-07	2.58E-06	1.49E-06	1.61E-06	1.46E-06	6.67E-07	1.06E-06	2.85E-08	6.89E-07	1.52E-07	2.19E-07	3.47E-07	6.12E-08	7.01E-08	1.57E-06
1869	495061.06	3859201.99	2.50E-03	2.70E-03	4.31E-03	8.67E-07	2.62E-06	1.51E-06	1.64E-06	1.48E-06	6.77E-07	1.08E-06	2.89E-08	6.99E-07	1.54E-07	2.22E-07	3.52E-07	6.21E-08	7.11E-08	1.59E-06
1870	495111.06	3859201.99	2.50E-03	2.70E-03	4.31E-03	8.66E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.76E-07	1.08E-06	2.89E-08	6.99E-07	1.54E-07	2.22E-07	3.52E-07	6.21E-08	7.11E-08	1.59E-06
1871	495161.06	3859201.99	2.50E-03	2.69E-03	4.30E-03	8.64E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.74E-07	1.08E-06	2.88E-08	6.97E-07	1.54E-07	2.21E-07	3.51E-07	6.19E-08	7.09E-08	1.58E-06
1872	495211.06	3859201.99	2.47E-03	2.67E-03	4.26E-03	8.56E-07	2.59E-06	1.50E-06	1.62E-06	1.47E-06	6.69E-07	1.07E-06	2.86E-08	6.91E-07	1.52E-07	2.19E-07	3.48E-07	6.14E-08	7.03E-08	1.57E-06
1873	495261.06	3859201.99	2.47E-03	2.67E-03	4.26E-03	8.56E-07	2.59E-06	1.50E-06	1.62E-06	1.47E-06	6.69E-07	1.07E-06	2.86E-08	6.91E-07	1.52E-07	2.19E-07	3.48E-07	6.14E-08	7.03E-08	1.57E-06
1874	495311.06	3859201.99	2.47E-03	2.66E-03	4.25E-03	8.54E-07	2.58E-06	1.49E-06	1.61E-06	1.46E-06	6.67E-07	1.06E-06	2.85E-08	6.89E-07	1.52E-07	2.19E-07	3.47E-07	6.12E-08	7.01E-08	1.57E-06
1875	495361.06	3859201.99	2.46E-03	2.66E-03	4.24E-03	8.52E-07	2.57E-06	1.49E-06	1.61E-06	1.46E-06	6.65E-07	1.06E-06	2.85E-08	6.87E-07	1.52E-07	2.18E-07	3.47E-07	6.11E-08	7.00E-08	1.56E-06
1876	495411.06	3859201.99	2.47E-03	2.67E-03	4.25E-03	8.55E-07	2.58E-06	1.49E-06	1.61E-06	1.46E-06	6.68E-07	1.06E-06	2.86E-08	6.90E-07	1.52E-07	2.19E-07	3.48E-07	6.13E-08	7.02E-08	1.57E-06
1877	495461.06	3859201.99	2.46E-03	2.65E-03	4.23E-03	8.50E-07	2.57E-06	1.49E-06	1.61E-06	1.46E-06	6.64E-07	1.06E-06	2.84E-08	6.86E-07	1.51E-07	2.18E-07	3.46E-07	6.09E-08	6.98E-08	1.56E-06
1878	495511.06	3859201.99	2.44E-03	2.64E-03	4.21E-03	8.46E-07	2.55E-06	1.48E-06	1.60E-06	1.45E-06	6.60E-07	1.05E-06	2.82E-08	6.82E-07	1.51E-07	2.17E-07	3.44E-07	6.06E-08	6.94E-08	1.55E-06
1879	495561.06	3859201.99	2.41E-03	2.60E-03	4.15E-03	8.34E-07	2.52E-06	1.46E-06	1.57E-06	1.43E-06	6.51E-07	1.04E-06	2.79E-08	6.73E-07	1.48E-07	2.14E-07	3.39E-07	5.98E-08	6.85E-08	1.53E-06
1880	495611.06	3859201.99	2.39E-03	2.58E-03	4.11E-03	8.27E-07	2.50E-06	1.44E-06	1.56E-06	1.41E-06	6.45E-07	1.03E-06	2.76E-08	6.67E-07	1.47E-07	2.12E-07	3.36E-07	5.92E-08	6.79E-08	1.52E-06
1881	495661.06	3859201.99	2.37E-03	2.56E-03	4.09E-03	8.22E-07	2.48E-06	1.44E-06	1.55E-06	1.41E-06	6.42E-07	1.02E-06	2.74E-08	6.63E-07	1.46E-07	2.11E-07	3.34E-07	5.89E-08	6.75E-08	1.51E-06

1882	494311.06	3859251.99	3.20E-03	3.46E-03	5.52E-03	1.11E-06	3.35E-06	1.94E-06	2.09E-06	1.90E-06	8.66E-07	1.38E-06	3.70E-08	8.95E-07	1.97E-07	2.84E-07	4.51E-07	7.95E-08	9.11E-08	2.04E-06
1883	494361.06	3859251.99	3.17E-03	3.42E-03	5.46E-03	1.10E-06	3.31E-06	1.92E-06	2.07E-06	1.88E-06	8.57E-07	1.37E-06	3.66E-08	8.85E-07	1.95E-07	2.81E-07	4.46E-07	7.86E-08	9.01E-08	2.01E-06
1884	494411.06	3859251.99	3.12E-03	3.37E-03	5.38E-03	1.08E-06	3.26E-06	1.89E-06	2.04E-06	1.85E-06	8.44E-07	1.35E-06	3.61E-08	8.71E-07	1.92E-07	2.77E-07	4.39E-07	7.74E-08	8.88E-08	1.98E-06
1885	494461.06	3859251.99	3.09E-03	3.34E-03	5.32E-03	1.07E-06	3.23E-06	1.87E-06	2.02E-06	1.83E-06	8.35E-07	1.33E-06	3.57E-08	8.62E-07	1.90E-07	2.74E-07	4.35E-07	7.66E-08	8.78E-08	1.96E-06
1886	494511.06	3859251.99	3.03E-03	3.28E-03	5.23E-03	1.05E-06	3.17E-06	1.84E-06	1.98E-06	1.80E-06	8.20E-07	1.31E-06	3.51E-08	8.47E-07	1.87E-07	2.69E-07	4.27E-07	7.53E-08	8.63E-08	1.93E-06
1887	494561.06	3859251.99	3.00E-03	3.24E-03	5.17E-03	1.04E-06	3.14E-06	1.81E-06	1.96E-06	1.78E-06	8.11E-07	1.29E-06	3.47E-08	8.38E-07	1.85E-07	2.66E-07	4.22E-07	7.44E-08	8.53E-08	1.91E-06
1888	494611.06	3859251.99	2.95E-03	3.19E-03	5.09E-03	1.02E-06	3.09E-06	1.79E-06	1.93E-06	1.75E-06	7.98E-07	1.27E-06	3.41E-08	8.24E-07	1.82E-07	2.62E-07	4.16E-07	7.33E-08	8.40E-08	1.88E-06
1889	494661.06	3859251.99	2.93E-03	3.16E-03	5.04E-03	1.01E-06	3.06E-06	1.77E-06	1.91E-06	1.73E-06	7.92E-07	1.26E-06	3.38E-08	8.18E-07	1.80E-07	2.60E-07	4.12E-07	7.26E-08	8.33E-08	1.86E-06
1890	494711.06	3859251.99	2.89E-03	3.13E-03	4.98E-03	1.00E-06	3.02E-06	1.75E-06	1.89E-06	1.71E-06	7.82E-07	1.25E-06	3.34E-08	8.08E-07	1.78E-07	2.57E-07	4.07E-07	7.18E-08	8.23E-08	1.84E-06
1891	494761.06	3859251.99	2.80E-03	3.03E-03	4.83E-03	9.71E-07	2.93E-06	1.70E-06	1.83E-06	1.66E-06	7.58E-07	1.21E-06	3.24E-08	7.83E-07	1.73E-07	2.49E-07	3.95E-07	6.96E-08	7.98E-08	1.78E-06
1892	494811.06	3859251.99	2.79E-03	3.01E-03	4.81E-03	9.66E-07	2.92E-06	1.69E-06	1.82E-06	1.65E-06	7.54E-07	1.20E-06	3.23E-08	7.79E-07	1.72E-07	2.48E-07	3.93E-07	6.92E-08	7.94E-08	1.77E-06
1893	494861.06	3859251.99	2.71E-03	2.93E-03	4.67E-03	9.38E-07	2.83E-06	1.64E-06	1.77E-06	1.61E-06	7.32E-07	1.17E-06	3.13E-08	7.56E-07	1.67E-07	2.40E-07	3.81E-07	6.72E-08	7.70E-08	1.72E-06
1894	494911.06	3859251.99	2.64E-03	2.85E-03	4.54E-03	9.13E-07	2.76E-06	1.60E-06	1.72E-06	1.56E-06	7.13E-07	1.14E-06	3.05E-08	7.36E-07	1.63E-07	2.34E-07	3.71E-07	6.54E-08	7.50E-08	1.68E-06
1895	494961.06	3859251.99	2.60E-03	2.81E-03	4.48E-03	9.00E-07	2.72E-06	1.57E-06	1.70E-06	1.54E-06	7.03E-07	1.12E-06	3.01E-08	7.26E-07	1.60E-07	2.31E-07	3.66E-07	6.45E-08	7.39E-08	1.65E-06
1896	495011.06	3859251.99	2.56E-03	2.76E-03	4.40E-03	8.85E-07	2.67E-06	1.55E-06	1.67E-06	1.51E-06	6.91E-07	1.10E-06	2.95E-08	7.14E-07	1.57E-07	2.27E-07	3.60E-07	6.34E-08	7.27E-08	1.62E-06
1897	495061.06	3859251.99	2.56E-03	2.76E-03	4.41E-03	8.86E-07	2.67E-06	1.55E-06	1.67E-06	1.52E-06	6.92E-07	1.10E-06	2.96E-08	7.14E-07	1.58E-07	2.27E-07	3.60E-07	6.35E-08	7.27E-08	1.62E-06
1898	495111.06	3859251.99	2.54E-03	2.74E-03	4.38E-03	8.80E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.87E-07	1.10E-06	2.94E-08	7.10E-07	1.57E-07	2.25E-07	3.58E-07	6.30E-08	7.22E-08	1.61E-06
1899	495161.06	3859251.99	2.53E-03	2.74E-03	4.36E-03	8.77E-07	2.65E-06	1.53E-06	1.66E-06	1.50E-06	6.85E-07	1.09E-06	2.93E-08	7.07E-07	1.56E-07	2.25E-07	3.57E-07	6.28E-08	7.20E-08	1.61E-06
1900	495211.06	3859251.99	2.51E-03	2.71E-03	4.33E-03	8.70E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.79E-07	1.08E-06	2.91E-08	7.02E-07	1.55E-07	2.23E-07	3.54E-07	6.24E-08	7.14E-08	1.60E-06
1901	495261.06	3859251.99	2.51E-03	2.71E-03	4.32E-03	8.68E-07	2.62E-06	1.52E-06	1.64E-06	1.49E-06	6.78E-07	1.08E-06	2.90E-08	7.00E-07	1.54E-07	2.22E-07	3.53E-07	6.22E-08	7.13E-08	1.59E-06
1902	495311.06	3859251.99	2.51E-03	2.71E-03	4.32E-03	8.68E-07	2.62E-06	1.52E-06	1.64E-06	1.49E-06	6.78E-07	1.08E-06	2.90E-08	7.00E-07	1.54E-07	2.22E-07	3.53E-07	6.22E-08	7.13E-08	1.59E-06
1903	495361.06	3859251.99	2.50E-03	2.70E-03	4.30E-03	8.64E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.75E-07	1.08E-06	2.88E-08	6.97E-07	1.54E-07	2.21E-07	3.51E-07	6.19E-08	7.09E-08	1.58E-06
1904	495411.06	3859251.99	2.50E-03	2.70E-03	4.31E-03	8.66E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.76E-07	1.08E-06	2.89E-08	6.98E-07	1.54E-07	2.22E-07	3.52E-07	6.20E-08	7.11E-08	1.59E-06
1905	495461.06	3859251.99	2.49E-03	2.69E-03	4.28E-03	8.61E-07	2.60E-06	1.51E-06	1.63E-06	1.47E-06	6.72E-07	1.07E-06	2.88E-08	6.95E-07	1.53E-07	2.21E-07	3.50E-07	6.17E-08	7.07E-08	1.58E-06
1906	495511.06	3859251.99	2.46E-03	2.66E-03	4.24E-03	8.51E-07	2.57E-06	1.49E-06	1.61E-06	1.46E-06	6.65E-07	1.06E-06	2.84E-08	6.87E-07	1.51E-07	2.18E-07	3.46E-07	6.10E-08	6.99E-08	1.56E-06
1907	495561.06	3859251.99	2.44E-03	2.63E-03	4.20E-03	8.44E-07	2.55E-06	1.48E-06	1.59E-06	1.44E-06	6.59E-07	1.05E-06	2.82E-08	6.81E-07	1.50E-07	2.16E-07	3.43E-07	6.05E-08	6.93E-08	1.55E-06
1908	495611.06	3859251.99	2.41E-03	2.60E-03	4.15E-03	8.34E-07	2.52E-06	1.46E-06	1.58E-06	1.43E-06	6.51E-07	1.04E-06	2.79E-08	6.73E-07	1.48E-07	2.14E-07	3.39E-07	5.98E-08	6.85E-08	1.53E-06
1909	495661.06	3859251.99	2.39E-03	2.58E-03	4.12E-03	8.28E-07	2.50E-06	1.45E-06	1.56E-06	1.42E-06	6.47E-07	1.03E-06	2.77E-08	6.68E-07	1.47E-07	2.12E-07	3.37E-07	5.93E-08	6.80E-08	1.52E-06
1910	494311.06	3859301.99	3.21E-03	3.47E-03	5.53E-03	1.11E-06	3.36E-06	1.94E-06	2.10E-06	1.90E-06	8.68E-07	1.38E-06	3.71E-08	8.96E-07	1.98E-07	2.85E-07	4.52E-07	7.96E-08	9.13E-08	2.04E-06
1911	494361.06	3859301.99	3.17E-03	3.43E-03	5.47E-03	1.10E-06	3.32E-06	1.92E-06	2.07E-06	1.88E-06	8.58E-07	1.37E-06	3.67E-08	8.86E-07	1.96E-07	2.82E-07	4.47E-07	7.87E-08	9.03E-08	2.02E-06
1912	494411.06	3859301.99	3.13E-03	3.38E-03	5.39E-03	1.08E-06	3.27E-06	1.89E-06	2.04E-06	1.85E-06	8.46E-07	1.35E-06	3.62E-08	8.73E-07	1.93E-07	2.78E-07	4.40E-07	7.76E-08	8.90E-08	1.99E-06
1913	494461.06	3859301.99	3.08E-03	3.33E-03	5.31E-03	1.07E-06	3.22E-06	1.86E-06	2.01E-06	1.83E-06	8.33E-07	1.33E-06	3.56E-08	8.60E-07	1.90E-07	2.73E-07	4.34E-07	7.64E-08	8.76E-08	1.96E-06
1914	494511.06	3859301.99	3.04E-03	3.28E-03	5.24E-03	1.05E-06	3.18E-06	1.84E-06	1.99E-06	1.80E-06	8.22E-07	1.31E-06	3.51E-08	8.49E-07	1.87E-07	2.70E-07	4.28E-07	7.54E-08	8.64E-08	1.93E-06
1915	494561.06	3859301.99	3.01E-03	3.25E-03	5.18E-03	1.04E-06	3.14E-06	1.82E-06	1.96E-06	1.78E-06	8.13E-07	1.30E-06	3.47E-08	8.39E-07	1.85E-07	2.67E-07	4.23E-07	7.46E-08	8.55E-08	1.91E-06
1916	494611.06	3859301.99	2.97E-03	3.21E-03	5.11E-03	1.03E-06	3.10E-06	1.80E-06	1.94E-06	1.76E-06	8.03E-07	1.28E-06	3.43E-08	8.29E-07	1.83E-07	2.63E-07	4.18E-07	7.37E-08	8.44E-08	1.89E-06
1917	494661.06	3859301.99	2.93E-03	3.17E-03	5.05E-03	1.02E-06	3.06E-06	1.77E-06	1.92E-06	1.74E-06	7.93E-07	1.26E-06	3.39E-08	8.19E-07	1.81E-07	2.60E-07	4.13E-07	7.27E-08	8.34E-08	1.86E-06
1918	494711.06	3859301.99	2.89E-03	3.12E-03	4.97E-03	1.00E-06	3.02E-06	1.75E-06	1.89E-06	1.71E-06	7.81E-07	1.24E-06	3.34E-08	8.06E-07	1.78E-07	2.56E-07	4.06E-07	7.16E-08	8.21E-08	1.83E-06
1919	494761.06	3859301.99	2.85E-03	3.08E-03	4.91E-03	9.86E-07	2.98E-06	1.72E-06	1.86E-06	1.69E-06	7.70E-07	1.23E-06	3.29E-08	7.95E-07	1.75E-07	2.53E-07	4.01E-07	7.07E-08	8.10E-08	1.81E-06
1920	494811.06	3859301.99	2.79E-03	3.01E-03	4.81E-03	9.66E-07	2.92E-06	1.69E-06	1.82E-06	1.65E-06	7.54E-07	1.20E-06	3.23E-08	7.79E-07	1.72E-07	2.48E-07	3.93E-07	6.92E-08	7.93E-08	1.77E-06
1921	494861.06	3859301.99	2.71E-03	2.93E-03	4.67E-03	9.38E-07	2.83E-06	1.64E-06	1.77E-06	1.60E-06	7.32E-07	1.17E-06	3.13E-08	7.56E-07	1.67E-07	2.40E-07	3.81E-07	6.72E-08	7.70E-08	1.72E-06
1922	494911.06	3859301.99	2.67E-03	2.88E-03	4.60E-03	9.24E-07	2.79E-06	1.61E-06	1.74E-06	1.58E-06	7.21E-07	1.15E-06	3.08E-08	7.45E-07	1.64E-07	2.37E-07	3.76E-07	6.62E-08	7.59E-08	1.70E-06
1923	494961.06	3859301.99	2.59E-03	2.79E-03	4.46E-03	8.96E-07	2.70E-06	1.57E-06	1.69E-06	1.53E-06	6.99E-07	1.12E-06	2.99E-08	7.22E-07	1.59E-07	2.30E-07	3.64E-07	6.42E-08	7.36E-08	1.64E-06
1924	495011.06	3859301.99	2.56E-03	2.76E-03	4.41E-03	8.86E-07	2.67E-06	1.55E-06	1.67E-06	1.52E-06	6.91E-07	1.10E-06	2.96E-08	7.14E-07	1.58E-07	2.27E-07	3.60E-07	6.35E-08	7.27E-08	1.62E-06
1925	495061.06	3859301.99	2.59E-03	2.80E-03	4.47E-03	8.98E-07	2.71E-06	1.57E-06	1.70E-06	1.54E-06	7.01E-07	1.12E-06	3.00E-08	7.24E-07	1.60E-07	2.30E-07	3.65E-07	6.44E-08	7.38E-08	1.65E-06
1926	495111.06	3859301.99	2.55E-03	2.76E-03	4.40E-03	8.84E-07	2.67E-06	1.54E-06	1.67E-06	1.51E-06	6.90E-07	1.10E-06	2.95E-08	7.13E-07	1.57E-07	2.26E-07	3.59E-07	6.33E-08	7.26E-08	1.62E-06
1927	495161.06	3859301.99	2.54E-03	2.75E-03	4.38E-03	8.81E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.88E-07	1.10E-06	2.94E-08	7.11E-07	1.57E-07	2.26E-07	3.58E-07	6.31E-08	7.23E-08	1.62E-06
1928	495211.06	3859301.99	2.55E-03	2.76E-03	4.40E-03	8.84E-07	2.67E-06	1.55E-06	1.67E-06	1.51E-06	6.90E-07	1.10E-06	2.95E-08	7.13E-07	1.57E-07	2.27E-07	3.60E-07	6.34E-08	7.26E-08	1.62E-06
1929	495261.06	3859301.99	2.55E-03	2.76E-03	4.40E-03	8.83E-07	2.67E-06	1.54E-06	1.67E-06	1.51E-06	6.90E-07	1.10E-06	2.95E-08	7.13E-07	1.57E-07	2.26E-07	3.59E-07	6.33E-08	7.26E-08	1.62E-06
1930	495311.06	3859301.99	2.52E-03	2.73E-03	4.35E-03	8.74E-07	2.64E-06	1.53E-06	1.65E-06	1.50E-06	6.82E-07	1.09E-06	2.92E-08	7.05E-07	1.56E-07	2.24E-07	3.55E-07	6.26E-08	7.18E-08	1.60E-06
1931	495361.06	3859301.99	2.53E-03	2.73E-03	4.35E-03	8.74E-07	2.64E-06	1.53E-06	1.65E-06	1.50E-06	6.83E-07	1.09E-06	2.92E-08	7.05E-07	1.56E-07	2.24E-07	3.55E-07	6.26E-08	7.18E-08	1.60E-06
1932	495411.06	3859301.99	2.52E-03	2.72E-03	4.34E-03	8.71E-07	2.63E-06	1.52E-06	1.65E-06	1.49E-06	6.80E-07	1.09E-06	2.91E-08	7.03E-07	1.55E-07	2.23E-07	3.54E-07	6.24E-08	7.16E-08	1.60E-06
1933	495461.06	3859301.99	2.51E-03	2.71E-03	4.33E-03	8.70E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.79E-07	1.08E-06	2.90E-08	7.02E-07	1.55E-07	2.23E-07	3.54E-07	6.23E-08	7.14E-08	1.60E-06
1934	495511.06	3859301.99	2.49E-03	2.69E-03	4.28E-03	8.61E-07	2.60E-06	1.51E-06	1.63E-06	1.47E-06	6.72E-07	1.07E-06	2.88E-08	6.95E-07	1.53E-07	2.21E-07	3.50E-07	6.17E-08	7.07E-08	1.58E-06
1935	495561.06	3859301.99	2.45E-03	2.64E-03	4.21E-03	8.47E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.61E-07	1.05E-06	2.83E-08	6.83E-07	1.51E-07	2.17E-07	3.44E-07	6.07E-08	6.95E-08	1.55E-06
1936	495611.06	3859301.99	2.43E-03	2.62E-03	4.18E-03	8.41E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.57E-07	1.05E-06	2.81E-08	6.78E-07	1.50E-07	2.16E-07	3.42E-07	6.03E-08	6.91E-08	1.54E-06
1937	495661.06	3859301.99	2.41E-03	2.60E-03	4.15E-03	8.35E-07	2.52E-06	1.46E-06	1.58E-06	1.43E-06	6.52E-07	1.04E-06	2.79E-08	6.73E-07	1.49E-07	2.14E-07	3.39E-07	5.98E-08	6.86E-08	1.53E-06
1938	494311.06	3859351.99	3.20E-03	3.46E-03	5.51E-03	1.11E-06	3.34E-06	1.94E-06	2.09E-06	1.90E-06	8.65E-07	1.38E-06	3.70E-08	8.93E-07	1.97E-07	2.84E-07	4.50E-07	7.94E-08	9.09E-08	2.03E-06
1939	494361.06	3859351.99	3.16E-03	3.42E-03	5.45E-03	1.10E-06	3.31E-06	1.91E-06	2.07E-06	1.87E-06	8.55E-07	1.36E-06	3.66E-08	8.84E-07	1.95E-07	2.81E-07	4.45E-07	7.85E-08	9.00E-08	2.01E-06
1940	494411.06	3859351.99	3.12E-03	3.37E-03	5.37E-03	1.08E-06	3.26E-06	1.89E-06	2.04E-06	1.85E-06	8.42E-07	1.34E-06	3.60E-08	8.70E-07	1.92E-07	2.76E-07	4.39E-07	7.73E-08	8.86E-08	1.98E-06

1941	494461.06	3859351.99	3.07E-03	3.32E-03	5.29E-03	1.06E-06	3.21E-06	1.86E-06	2.01E-06	1.82E-06	8.31E-07	1.33E-06	3.55E-08	8.58E-07	1.89E-07	2.73E-07	4.33E-07	7.63E-08	8.74E-08	1.95E-06
1942	494511.06	3859351.99	3.04E-03	3.28E-03	5.23E-03	1.05E-06	3.17E-06	1.84E-06	1.98E-06	1.80E-06	8.21E-07	1.31E-06	3.51E-08	8.48E-07	1.87E-07	2.69E-07	4.27E-07	7.53E-08	8.63E-08	1.93E-06
1943	494561.06	3859351.99	3.01E-03	3.25E-03	5.18E-03	1.04E-06	3.14E-06	1.82E-06	1.97E-06	1.78E-06	8.13E-07	1.30E-06	3.48E-08	8.40E-07	1.85E-07	2.67E-07	4.23E-07	7.46E-08	8.55E-08	1.91E-06
1944	494611.06	3859351.99	2.97E-03	3.21E-03	5.12E-03	1.03E-06	3.11E-06	1.80E-06	1.94E-06	1.76E-06	8.04E-07	1.28E-06	3.44E-08	8.30E-07	1.83E-07	2.64E-07	4.19E-07	7.38E-08	8.46E-08	1.89E-06
1945	494661.06	3859351.99	2.94E-03	3.17E-03	5.06E-03	1.02E-06	3.07E-06	1.78E-06	1.92E-06	1.74E-06	7.94E-07	1.27E-06	3.40E-08	8.20E-07	1.81E-07	2.61E-07	4.14E-07	7.29E-08	8.36E-08	1.87E-06
1946	494711.06	3859351.99	2.89E-03	3.12E-03	4.98E-03	1.00E-06	3.02E-06	1.75E-06	1.89E-06	1.71E-06	7.82E-07	1.25E-06	3.34E-08	8.07E-07	1.78E-07	2.57E-07	4.07E-07	7.17E-08	8.22E-08	1.84E-06
1947	494761.06	3859351.99	2.83E-03	3.06E-03	4.88E-03	9.80E-07	2.96E-06	1.71E-06	1.85E-06	1.68E-06	7.65E-07	1.22E-06	3.27E-08	7.91E-07	1.74E-07	2.51E-07	3.99E-07	7.02E-08	8.05E-08	1.80E-06
1948	494811.06	3859351.99	2.75E-03	2.97E-03	4.73E-03	9.51E-07	2.87E-06	1.66E-06	1.80E-06	1.63E-06	7.43E-07	1.18E-06	3.18E-08	7.67E-07	1.69E-07	2.44E-07	3.87E-07	6.82E-08	7.81E-08	1.75E-06
1949	494861.06	3859351.99	2.72E-03	2.93E-03	4.68E-03	9.40E-07	2.84E-06	1.64E-06	1.77E-06	1.61E-06	7.34E-07	1.17E-06	3.14E-08	7.58E-07	1.67E-07	2.41E-07	3.82E-07	6.74E-08	7.72E-08	1.72E-06
1950	494911.06	3859351.99	2.70E-03	2.91E-03	4.64E-03	9.33E-07	2.82E-06	1.63E-06	1.76E-06	1.60E-06	7.29E-07	1.16E-06	3.12E-08	7.53E-07	1.66E-07	2.39E-07	3.79E-07	6.69E-08	7.66E-08	1.71E-06
1951	494961.06	3859351.99	2.66E-03	2.87E-03	4.58E-03	9.20E-07	2.78E-06	1.61E-06	1.74E-06	1.57E-06	7.19E-07	1.15E-06	3.07E-08	7.42E-07	1.64E-07	2.36E-07	3.74E-07	6.59E-08	7.56E-08	1.69E-06
1952	495011.06	3859351.99	2.63E-03	2.84E-03	4.53E-03	9.11E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.11E-07	1.13E-06	3.04E-08	7.35E-07	1.62E-07	2.34E-07	3.70E-07	6.53E-08	7.48E-08	1.67E-06
1953	495061.06	3859351.99	2.65E-03	2.86E-03	4.56E-03	9.17E-07	2.77E-06	1.60E-06	1.73E-06	1.57E-06	7.16E-07	1.14E-06	3.06E-08	7.39E-07	1.63E-07	2.35E-07	3.73E-07	6.57E-08	7.53E-08	1.68E-06
1954	495111.06	3859351.99	2.62E-03	2.83E-03	4.51E-03	9.06E-07	2.74E-06	1.58E-06	1.71E-06	1.55E-06	7.08E-07	1.13E-06	3.03E-08	7.31E-07	1.61E-07	2.32E-07	3.69E-07	6.50E-08	7.45E-08	1.66E-06
1955	495161.06	3859351.99	2.61E-03	2.81E-03	4.49E-03	9.02E-07	2.72E-06	1.58E-06	1.70E-06	1.54E-06	7.04E-07	1.12E-06	3.01E-08	7.27E-07	1.61E-07	2.31E-07	3.67E-07	6.46E-08	7.41E-08	1.65E-06
1956	495211.06	3859351.99	2.59E-03	2.80E-03	4.46E-03	8.96E-07	2.71E-06	1.57E-06	1.69E-06	1.53E-06	7.00E-07	1.12E-06	2.99E-08	7.23E-07	1.60E-07	2.30E-07	3.65E-07	6.42E-08	7.36E-08	1.64E-06
1957	495261.06	3859351.99	2.59E-03	2.79E-03	4.45E-03	8.95E-07	2.70E-06	1.56E-06	1.69E-06	1.53E-06	6.99E-07	1.11E-06	2.99E-08	7.22E-07	1.59E-07	2.29E-07	3.64E-07	6.41E-08	7.35E-08	1.64E-06
1958	495311.06	3859351.99	2.56E-03	2.77E-03	4.41E-03	8.87E-07	2.68E-06	1.55E-06	1.67E-06	1.52E-06	6.92E-07	1.10E-06	2.96E-08	7.15E-07	1.58E-07	2.27E-07	3.61E-07	6.35E-08	7.28E-08	1.63E-06
1959	495361.06	3859351.99	2.55E-03	2.75E-03	4.39E-03	8.82E-07	2.66E-06	1.54E-06	1.67E-06	1.51E-06	6.89E-07	1.10E-06	2.95E-08	7.11E-07	1.57E-07	2.26E-07	3.59E-07	6.32E-08	7.25E-08	1.62E-06
1960	495411.06	3859351.99	2.54E-03	2.75E-03	4.38E-03	8.80E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.87E-07	1.10E-06	2.94E-08	7.10E-07	1.57E-07	2.26E-07	3.58E-07	6.31E-08	7.23E-08	1.61E-06
1961	495461.06	3859351.99	2.54E-03	2.75E-03	4.38E-03	8.80E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.87E-07	1.10E-06	2.94E-08	7.10E-07	1.57E-07	2.26E-07	3.58E-07	6.31E-08	7.23E-08	1.61E-06
1962	495511.06	3859351.99	2.51E-03	2.71E-03	4.32E-03	8.68E-07	2.62E-06	1.52E-06	1.64E-06	1.49E-06	6.78E-07	1.08E-06	2.90E-08	7.00E-07	1.55E-07	2.23E-07	3.53E-07	6.22E-08	7.13E-08	1.59E-06
1963	495561.06	3859351.99	2.48E-03	2.68E-03	4.28E-03	8.59E-07	2.60E-06	1.50E-06	1.62E-06	1.47E-06	6.71E-07	1.07E-06	2.87E-08	6.93E-07	1.53E-07	2.20E-07	3.49E-07	6.16E-08	7.06E-08	1.58E-06
1964	495611.06	3859351.99	2.47E-03	2.66E-03	4.25E-03	8.53E-07	2.58E-06	1.49E-06	1.61E-06	1.46E-06	6.66E-07	1.06E-06	2.85E-08	6.88E-07	1.52E-07	2.19E-07	3.47E-07	6.12E-08	7.01E-08	1.57E-06
1965	495661.06	3859351.99	2.43E-03	2.63E-03	4.19E-03	8.42E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.57E-07	1.05E-06	2.81E-08	6.79E-07	1.50E-07	2.16E-07	3.42E-07	6.03E-08	6.91E-08	1.54E-06
1966	494311.06	3859401.99	3.19E-03	3.45E-03	5.50E-03	1.11E-06	3.34E-06	1.93E-06	2.09E-06	1.89E-06	8.63E-07	1.38E-06	3.69E-08	8.92E-07	1.97E-07	2.83E-07	4.50E-07	7.92E-08	9.08E-08	2.03E-06
1967	494361.06	3859401.99	3.15E-03	3.40E-03	5.42E-03	1.09E-06	3.29E-06	1.91E-06	2.06E-06	1.87E-06	8.51E-07	1.36E-06	3.64E-08	8.79E-07	1.94E-07	2.79E-07	4.43E-07	7.81E-08	8.95E-08	2.00E-06
1968	494411.06	3859401.99	3.10E-03	3.35E-03	5.34E-03	1.07E-06	3.24E-06	1.88E-06	2.03E-06	1.84E-06	8.38E-07	1.34E-06	3.58E-08	8.66E-07	1.91E-07	2.75E-07	4.36E-07	7.69E-08	8.82E-08	1.97E-06
1969	494461.06	3859401.99	3.06E-03	3.31E-03	5.28E-03	1.06E-06	3.20E-06	1.85E-06	2.00E-06	1.82E-06	8.28E-07	1.32E-06	3.54E-08	8.56E-07	1.89E-07	2.72E-07	4.31E-07	7.60E-08	8.71E-08	1.95E-06
1970	494511.06	3859401.99	3.04E-03	3.28E-03	5.24E-03	1.05E-06	3.18E-06	1.84E-06	1.99E-06	1.80E-06	8.22E-07	1.31E-06	3.51E-08	8.49E-07	1.87E-07	2.70E-07	4.28E-07	7.54E-08	8.64E-08	1.93E-06
1971	494561.06	3859401.99	3.01E-03	3.25E-03	5.19E-03	1.04E-06	3.15E-06	1.82E-06	1.97E-06	1.78E-06	8.14E-07	1.30E-06	3.48E-08	8.41E-07	1.86E-07	2.67E-07	4.24E-07	7.47E-08	8.56E-08	1.91E-06
1972	494611.06	3859401.99	2.97E-03	3.21E-03	5.12E-03	1.03E-06	3.11E-06	1.80E-06	1.94E-06	1.76E-06	8.04E-07	1.28E-06	3.44E-08	8.30E-07	1.83E-07	2.64E-07	4.19E-07	7.38E-08	8.46E-08	1.89E-06
1973	494661.06	3859401.99	2.95E-03	3.18E-03	5.08E-03	1.02E-06	3.08E-06	1.78E-06	1.93E-06	1.75E-06	7.97E-07	1.27E-06	3.41E-08	8.23E-07	1.82E-07	2.61E-07	4.15E-07	7.31E-08	8.38E-08	1.87E-06
1974	494711.06	3859401.99	2.91E-03	3.15E-03	5.02E-03	1.01E-06	3.05E-06	1.76E-06	1.90E-06	1.73E-06	7.88E-07	1.26E-06	3.37E-08	8.14E-07	1.80E-07	2.59E-07	4.10E-07	7.23E-08	8.29E-08	1.85E-06
1975	494761.06	3859401.99	2.85E-03	3.08E-03	4.91E-03	9.87E-07	2.98E-06	1.73E-06	1.86E-06	1.69E-06	7.71E-07	1.23E-06	3.30E-08	7.96E-07	1.76E-07	2.53E-07	4.01E-07	7.07E-08	8.11E-08	1.81E-06
1976	494811.06	3859401.99	2.80E-03	3.03E-03	4.83E-03	9.71E-07	2.93E-06	1.70E-06	1.83E-06	1.66E-06	7.58E-07	1.21E-06	3.24E-08	7.83E-07	1.73E-07	2.49E-07	3.95E-07	6.96E-08	7.98E-08	1.78E-06
1977	494861.06	3859401.99	2.74E-03	2.96E-03	4.73E-03	9.50E-07	2.87E-06	1.66E-06	1.79E-06	1.63E-06	7.42E-07	1.18E-06	3.17E-08	7.66E-07	1.69E-07	2.43E-07	3.86E-07	6.81E-08	7.80E-08	1.74E-06
1978	494911.06	3859401.99	2.71E-03	2.92E-03	4.66E-03	9.37E-07	2.83E-06	1.64E-06	1.77E-06	1.60E-06	7.32E-07	1.17E-06	3.13E-08	7.56E-07	1.67E-07	2.40E-07	3.81E-07	6.71E-08	7.70E-08	1.72E-06
1979	494961.06	3859401.99	2.69E-03	2.90E-03	4.63E-03	9.30E-07	2.81E-06	1.62E-06	1.76E-06	1.59E-06	7.26E-07	1.16E-06	3.10E-08	7.50E-07	1.65E-07	2.38E-07	3.78E-07	6.66E-08	7.64E-08	1.71E-06
1980	495011.06	3859401.99	2.67E-03	2.89E-03	4.60E-03	9.25E-07	2.79E-06	1.62E-06	1.75E-06	1.58E-06	7.22E-07	1.15E-06	3.09E-08	7.46E-07	1.65E-07	2.37E-07	3.76E-07	6.63E-08	7.60E-08	1.70E-06
1981	495061.06	3859401.99	2.66E-03	2.88E-03	4.59E-03	9.22E-07	2.78E-06	1.61E-06	1.74E-06	1.58E-06	7.20E-07	1.15E-06	3.08E-08	7.44E-07	1.64E-07	2.36E-07	3.75E-07	6.61E-08	7.58E-08	1.69E-06
1982	495111.06	3859401.99	2.63E-03	2.84E-03	4.54E-03	9.12E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.12E-07	1.14E-06	3.04E-08	7.35E-07	1.62E-07	2.34E-07	3.71E-07	6.53E-08	7.49E-08	1.67E-06
1983	495161.06	3859401.99	2.62E-03	2.83E-03	4.52E-03	9.09E-07	2.74E-06	1.59E-06	1.72E-06	1.55E-06	7.09E-07	1.13E-06	3.03E-08	7.33E-07	1.62E-07	2.33E-07	3.69E-07	6.51E-08	7.46E-08	1.67E-06
1984	495211.06	3859401.99	2.62E-03	2.83E-03	4.52E-03	9.07E-07	2.74E-06	1.59E-06	1.71E-06	1.55E-06	7.09E-07	1.13E-06	3.03E-08	7.32E-07	1.62E-07	2.33E-07	3.69E-07	6.50E-08	7.45E-08	1.66E-06
1985	495261.06	3859401.99	2.61E-03	2.82E-03	4.49E-03	9.02E-07	2.72E-06	1.58E-06	1.70E-06	1.54E-06	7.05E-07	1.12E-06	3.01E-08	7.28E-07	1.61E-07	2.31E-07	3.67E-07	6.47E-08	7.41E-08	1.66E-06
1986	495311.06	3859401.99	2.59E-03	2.80E-03	4.46E-03	8.97E-07	2.71E-06	1.57E-06	1.69E-06	1.53E-06	7.00E-07	1.12E-06	2.99E-08	7.23E-07	1.60E-07	2.30E-07	3.65E-07	6.43E-08	7.37E-08	1.65E-06
1987	495361.06	3859401.99	2.59E-03	2.80E-03	4.46E-03	8.97E-07	2.71E-06	1.57E-06	1.69E-06	1.53E-06	7.00E-07	1.12E-06	2.99E-08	7.23E-07	1.60E-07	2.30E-07	3.65E-07	6.42E-08	7.37E-08	1.64E-06
1988	495411.06	3859401.99	2.58E-03	2.79E-03	4.44E-03	8.93E-07	2.70E-06	1.56E-06	1.69E-06	1.53E-06	6.97E-07	1.11E-06	2.98E-08	7.20E-07	1.59E-07	2.29E-07	3.63E-07	6.40E-08	7.34E-08	1.64E-06
1989	495461.06	3859401.99	2.56E-03	2.76E-03	4.41E-03	8.86E-07	2.67E-06	1.55E-06	1.67E-06	1.52E-06	6.92E-07	1.10E-06	2.96E-08	7.14E-07	1.58E-07	2.27E-07	3.60E-07	6.35E-08	7.28E-08	1.63E-06
1990	495511.06	3859401.99	2.53E-03	2.73E-03	4.35E-03	8.75E-07	2.64E-06	1.53E-06	1.65E-06	1.50E-06	6.83E-07	1.09E-06	2.92E-08	7.06E-07	1.56E-07	2.24E-07	3.56E-07	6.27E-08	7.19E-08	1.60E-06
1991	495561.06	3859401.99	2.49E-03	2.69E-03	4.29E-03	8.62E-07	2.60E-06	1.51E-06	1.63E-06	1.47E-06	6.73E-07	1.07E-06	2.88E-08	6.95E-07	1.53E-07	2.21E-07	3.50E-07	6.17E-08	7.08E-08	1.58E-06
1992	495611.06	3859401.99	2.47E-03	2.67E-03	4.25E-03	8.55E-07	2.58E-06	1.49E-06	1.61E-06	1.46E-06	6.68E-07	1.06E-06	2.85E-08	6.89E-07	1.52E-07	2.19E-07	3.48E-07	6.13E-08	7.02E-08	1.57E-06
1993	495661.06	3859401.99	2.45E-03	2.65E-03	4.23E-03	8.49E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.63E-07	1.06E-06	2.84E-08	6.85E-07	1.51E-07	2.18E-07	3.45E-07	6.09E-08	6.98E-08	1.56E-06
1994	494311.06	3859451.99	3.17E-03	3.42E-03	5.45E-03	1.10E-06	3.31E-06	1.92E-06	2.07E-06	1.88E-06	8.56E-07	1.36E-06	3.66E-08	8.84E-07	1.95E-07	2.81E-07	4.46E-07	7.85E-08	9.00E-08	2.01E-06
1995	494361.06	3859451.99	3.13E-03	3.38E-03	5.38E-03	1.08E-06	3.27E-06	1.89E-06	2.04E-06	1.85E-06	8.45E-07	1.35E-06	3.62E-08	8.73E-07	1.93E-07	2.78E-07	4.40E-07	7.76E-08	8.89E-08	1.99E-06
1996	494411.06	3859451.99	3.07E-03	3.32E-03	5.29E-03	1.06E-06	3.21E-06	1.86E-06	2.01E-06	1.82E-06	8.30E-07	1.32E-06	3.55E-08	8.58E-07	1.89E-07	2.73E-07	4.32E-07	7.62E-08	8.73E-08	1.95E-06
1997	494461.06	3859451.99	3.05E-03	3.30E-03	5.26E-03	1.06E-06	3.19E-06	1.85E-06	2.00E-06	1.81E-06	8.25E-07	1.32E-06	3.53E-08	8.53E-07	1.88E-07	2.71E-07	4.30E-07	7.57E-08	8.68E-08	1.94E-06
1998	494511.06	3859451.99	3.02E-03	3.26E-03	5.20E-03	1.05E-06	3.16E-06	1.83E-06	1.97E-06	1.79E-06	8.16E-07	1.30E-06	3.49E-08	8.43E-07	1.86E-07	2.68E-07	4.25E-07	7.49E-08	8.58E-08	1.92E-06
1999	494561.06	3859451.99	2.99E-03	3.23E-03	5.15E-03	1.04E-06	3.13E-06	1.81E-06	1.96E-06	1.77E-06	8.09E-07	1.29E-06	3.46E-08	8.36E-07	1.84E-07	2.66E-07	4.21E-07	7.42E-08	8.51E-08	1.90E-06

2000	494611.06	3859451.99	2.98E-03	3.21E-03	5.13E-03	1.03E-06	3.11E-06	1.80E-06	1.95E-06	1.76E-06	8.05E-07	1.28E-06	3.44E-08	8.31E-07	1.83E-07	2.64E-07	4.19E-07	7.38E-08	8.46E-08	1.89E-06
2001	494661.06	3859451.99	2.94E-03	3.17E-03	5.06E-03	1.02E-06	3.07E-06	1.78E-06	1.92E-06	1.74E-06	7.95E-07	1.27E-06	3.40E-08	8.21E-07	1.81E-07	2.61E-07	4.14E-07	7.29E-08	8.36E-08	1.87E-06
2002	494711.06	3859451.99	2.90E-03	3.13E-03	5.00E-03	1.00E-06	3.03E-06	1.76E-06	1.90E-06	1.72E-06	7.84E-07	1.25E-06	3.35E-08	8.10E-07	1.79E-07	2.57E-07	4.08E-07	7.20E-08	8.25E-08	1.84E-06
2003	494761.06	3859451.99	2.87E-03	3.10E-03	4.94E-03	9.94E-07	3.00E-06	1.74E-06	1.88E-06	1.70E-06	7.76E-07	1.24E-06	3.32E-08	8.02E-07	1.77E-07	2.55E-07	4.04E-07	7.12E-08	8.16E-08	1.82E-06
2004	494811.06	3859451.99	2.82E-03	3.05E-03	4.86E-03	9.77E-07	2.95E-06	1.71E-06	1.84E-06	1.67E-06	7.63E-07	1.22E-06	3.26E-08	7.88E-07	1.74E-07	2.50E-07	3.97E-07	7.00E-08	8.02E-08	1.79E-06
2005	494861.06	3859451.99	2.78E-03	3.00E-03	4.79E-03	9.62E-07	2.91E-06	1.68E-06	1.82E-06	1.65E-06	7.52E-07	1.20E-06	3.21E-08	7.76E-07	1.71E-07	2.47E-07	3.91E-07	6.90E-08	7.91E-08	1.77E-06
2006	494911.06	3859451.99	2.75E-03	2.97E-03	4.74E-03	9.52E-07	2.87E-06	1.66E-06	1.80E-06	1.63E-06	7.43E-07	1.19E-06	3.18E-08	7.68E-07	1.69E-07	2.44E-07	3.87E-07	6.82E-08	7.82E-08	1.75E-06
2007	494961.06	3859451.99	2.73E-03	2.95E-03	4.71E-03	9.46E-07	2.86E-06	1.65E-06	1.79E-06	1.62E-06	7.38E-07	1.18E-06	3.16E-08	7.63E-07	1.68E-07	2.42E-07	3.85E-07	6.78E-08	7.77E-08	1.73E-06
2008	495011.06	3859451.99	2.71E-03	2.93E-03	4.67E-03	9.38E-07	2.83E-06	1.64E-06	1.77E-06	1.60E-06	7.32E-07	1.17E-06	3.13E-08	7.56E-07	1.67E-07	2.40E-07	3.81E-07	6.72E-08	7.70E-08	1.72E-06
2009	495061.06	3859451.99	2.69E-03	2.90E-03	4.63E-03	9.30E-07	2.81E-06	1.63E-06	1.76E-06	1.59E-06	7.26E-07	1.16E-06	3.11E-08	7.50E-07	1.66E-07	2.38E-07	3.78E-07	6.66E-08	7.64E-08	1.71E-06
2010	495111.06	3859451.99	2.66E-03	2.88E-03	4.59E-03	9.22E-07	2.78E-06	1.61E-06	1.74E-06	1.58E-06	7.20E-07	1.15E-06	3.08E-08	7.44E-07	1.64E-07	2.36E-07	3.75E-07	6.61E-08	7.57E-08	1.69E-06
2011	495161.06	3859451.99	2.65E-03	2.87E-03	4.57E-03	9.19E-07	2.77E-06	1.61E-06	1.73E-06	1.57E-06	7.17E-07	1.14E-06	3.07E-08	7.41E-07	1.63E-07	2.35E-07	3.73E-07	6.58E-08	7.55E-08	1.69E-06
2012	495211.06	3859451.99	2.65E-03	2.86E-03	4.56E-03	9.17E-07	2.77E-06	1.60E-06	1.73E-06	1.57E-06	7.16E-07	1.14E-06	3.06E-08	7.39E-07	1.63E-07	2.35E-07	3.73E-07	6.57E-08	7.53E-08	1.68E-06
2013	495261.06	3859451.99	2.64E-03	2.85E-03	4.55E-03	9.14E-07	2.76E-06	1.60E-06	1.73E-06	1.56E-06	7.14E-07	1.14E-06	3.05E-08	7.37E-07	1.63E-07	2.34E-07	3.72E-07	6.55E-08	7.51E-08	1.68E-06
2014	495311.06	3859451.99	2.62E-03	2.83E-03	4.52E-03	9.08E-07	2.74E-06	1.59E-06	1.71E-06	1.55E-06	7.09E-07	1.13E-06	3.03E-08	7.32E-07	1.62E-07	2.33E-07	3.69E-07	6.51E-08	7.46E-08	1.67E-06
2015	495361.06	3859451.99	2.61E-03	2.82E-03	4.50E-03	9.03E-07	2.73E-06	1.58E-06	1.71E-06	1.55E-06	7.05E-07	1.13E-06	3.02E-08	7.29E-07	1.61E-07	2.32E-07	3.67E-07	6.47E-08	7.42E-08	1.66E-06
2016	495411.06	3859451.99	2.59E-03	2.80E-03	4.46E-03	8.97E-07	2.71E-06	1.57E-06	1.69E-06	1.53E-06	7.00E-07	1.12E-06	2.99E-08	7.23E-07	1.60E-07	2.30E-07	3.65E-07	6.43E-08	7.37E-08	1.65E-06
2017	495461.06	3859451.99	2.58E-03	2.78E-03	4.44E-03	8.92E-07	2.69E-06	1.56E-06	1.68E-06	1.53E-06	6.96E-07	1.11E-06	2.98E-08	7.19E-07	1.59E-07	2.29E-07	3.63E-07	6.39E-08	7.33E-08	1.64E-06
2018	495511.06	3859451.99	2.54E-03	2.74E-03	4.38E-03	8.79E-07	2.66E-06	1.54E-06	1.66E-06	1.50E-06	6.87E-07	1.10E-06	2.94E-08	7.09E-07	1.57E-07	2.25E-07	3.58E-07	6.30E-08	7.22E-08	1.61E-06
2019	495561.06	3859451.99	2.52E-03	2.72E-03	4.34E-03	8.72E-07	2.63E-06	1.52E-06	1.65E-06	1.49E-06	6.81E-07	1.09E-06	2.91E-08	7.03E-07	1.55E-07	2.23E-07	3.54E-07	6.25E-08	7.16E-08	1.60E-06
2020	495611.06	3859451.99	2.50E-03	2.70E-03	4.30E-03	8.64E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.75E-07	1.08E-06	2.89E-08	6.97E-07	1.54E-07	2.22E-07	3.51E-07	6.19E-08	7.10E-08	1.59E-06
2021	495661.06	3859451.99	2.48E-03	2.68E-03	4.27E-03	8.58E-07	2.59E-06	1.50E-06	1.62E-06	1.47E-06	6.70E-07	1.07E-06	2.86E-08	6.92E-07	1.53E-07	2.20E-07	3.49E-07	6.15E-08	7.05E-08	1.57E-06
2022	494311.06	3859501.99	3.14E-03	3.40E-03	5.41E-03	1.09E-06	3.29E-06	1.90E-06	2.05E-06	1.86E-06	8.50E-07	1.35E-06	3.63E-08	8.78E-07	1.94E-07	2.79E-07	4.42E-07	7.80E-08	8.93E-08	2.00E-06
2023	494361.06	3859501.99	3.11E-03	3.36E-03	5.35E-03	1.08E-06	3.25E-06	1.88E-06	2.03E-06	1.84E-06	8.40E-07	1.34E-06	3.59E-08	8.68E-07	1.91E-07	2.76E-07	4.37E-07	7.71E-08	8.83E-08	1.97E-06
2024	494411.06	3859501.99	3.04E-03	3.29E-03	5.24E-03	1.05E-06	3.18E-06	1.84E-06	1.99E-06	1.80E-06	8.22E-07	1.31E-06	3.52E-08	8.49E-07	1.87E-07	2.70E-07	4.28E-07	7.55E-08	8.65E-08	1.93E-06
2025	494461.06	3859501.99	3.04E-03	3.28E-03	5.24E-03	1.05E-06	3.18E-06	1.84E-06	1.99E-06	1.80E-06	8.22E-07	1.31E-06	3.52E-08	8.49E-07	1.87E-07	2.70E-07	4.28E-07	7.54E-08	8.64E-08	1.93E-06
2026	494511.06	3859501.99	3.01E-03	3.25E-03	5.17E-03	1.04E-06	3.14E-06	1.82E-06	1.96E-06	1.78E-06	8.12E-07	1.30E-06	3.47E-08	8.39E-07	1.85E-07	2.67E-07	4.23E-07	7.46E-08	8.54E-08	1.91E-06
2027	494561.06	3859501.99	2.97E-03	3.21E-03	5.12E-03	1.03E-06	3.11E-06	1.80E-06	1.94E-06	1.76E-06	8.04E-07	1.28E-06	3.44E-08	8.31E-07	1.83E-07	2.64E-07	4.19E-07	7.38E-08	8.46E-08	1.89E-06
2028	494611.06	3859501.99	2.98E-03	3.21E-03	5.12E-03	1.03E-06	3.11E-06	1.80E-06	1.94E-06	1.76E-06	8.04E-07	1.28E-06	3.44E-08	8.31E-07	1.83E-07	2.64E-07	4.19E-07	7.38E-08	8.46E-08	1.89E-06
2029	494661.06	3859501.99	2.94E-03	3.17E-03	5.06E-03	1.02E-06	3.07E-06	1.78E-06	1.92E-06	1.74E-06	7.94E-07	1.27E-06	3.39E-08	8.20E-07	1.81E-07	2.60E-07	4.13E-07	7.28E-08	8.35E-08	1.86E-06
2030	494711.06	3859501.99	2.89E-03	3.12E-03	4.97E-03	9.99E-07	3.02E-06	1.75E-06	1.89E-06	1.71E-06	7.80E-07	1.24E-06	3.34E-08	8.06E-07	1.78E-07	2.56E-07	4.06E-07	7.16E-08	8.21E-08	1.83E-06
2031	494761.06	3859501.99	2.88E-03	3.11E-03	4.96E-03	9.96E-07	3.01E-06	1.74E-06	1.88E-06	1.70E-06	7.78E-07	1.24E-06	3.33E-08	8.03E-07	1.77E-07	2.55E-07	4.05E-07	7.14E-08	8.18E-08	1.83E-06
2032	494811.06	3859501.99	2.81E-03	3.04E-03	4.85E-03	9.74E-07	2.94E-06	1.70E-06	1.84E-06	1.67E-06	7.60E-07	1.21E-06	3.25E-08	7.85E-07	1.73E-07	2.50E-07	3.96E-07	6.98E-08	8.00E-08	1.79E-06
2033	494861.06	3859501.99	2.79E-03	3.01E-03	4.80E-03	9.65E-07	2.91E-06	1.69E-06	1.82E-06	1.65E-06	7.54E-07	1.20E-06	3.22E-08	7.78E-07	1.72E-07	2.47E-07	3.92E-07	6.92E-08	7.93E-08	1.77E-06
2034	494911.06	3859501.99	2.77E-03	2.99E-03	4.78E-03	9.60E-07	2.90E-06	1.68E-06	1.81E-06	1.64E-06	7.49E-07	1.20E-06	3.20E-08	7.74E-07	1.71E-07	2.46E-07	3.90E-07	6.88E-08	7.88E-08	1.76E-06
2035	494961.06	3859501.99	2.74E-03	2.96E-03	4.72E-03	9.48E-07	2.86E-06	1.66E-06	1.79E-06	1.62E-06	7.40E-07	1.18E-06	3.17E-08	7.65E-07	1.69E-07	2.43E-07	3.86E-07	6.80E-08	7.79E-08	1.74E-06
2036	495011.06	3859501.99	2.72E-03	2.94E-03	4.69E-03	9.43E-07	2.85E-06	1.65E-06	1.78E-06	1.61E-06	7.37E-07	1.17E-06	3.15E-08	7.61E-07	1.68E-07	2.42E-07	3.84E-07	6.76E-08	7.75E-08	1.73E-06
2037	495061.06	3859501.99	2.71E-03	2.93E-03	4.67E-03	9.39E-07	2.83E-06	1.64E-06	1.77E-06	1.61E-06	7.33E-07	1.17E-06	3.13E-08	7.57E-07	1.67E-07	2.41E-07	3.82E-07	6.73E-08	7.71E-08	1.72E-06
2038	495111.06	3859501.99	2.68E-03	2.89E-03	4.62E-03	9.28E-07	2.80E-06	1.62E-06	1.75E-06	1.59E-06	7.24E-07	1.16E-06	3.10E-08	7.48E-07	1.65E-07	2.38E-07	3.77E-07	6.65E-08	7.62E-08	1.70E-06
2039	495161.06	3859501.99	2.67E-03	2.88E-03	4.60E-03	9.24E-07	2.79E-06	1.61E-06	1.74E-06	1.58E-06	7.21E-07	1.15E-06	3.08E-08	7.45E-07	1.64E-07	2.37E-07	3.76E-07	6.62E-08	7.59E-08	1.69E-06
2040	495211.06	3859501.99	2.66E-03	2.88E-03	4.59E-03	9.22E-07	2.78E-06	1.61E-06	1.74E-06	1.58E-06	7.20E-07	1.15E-06	3.08E-08	7.44E-07	1.64E-07	2.36E-07	3.75E-07	6.61E-08	7.57E-08	1.69E-06
2041	495261.06	3859501.99	2.65E-03	2.86E-03	4.57E-03	9.17E-07	2.77E-06	1.60E-06	1.73E-06	1.57E-06	7.16E-07	1.14E-06	3.06E-08	7.40E-07	1.63E-07	2.35E-07	3.73E-07	6.57E-08	7.54E-08	1.68E-06
2042	495311.06	3859501.99	2.64E-03	2.85E-03	4.55E-03	9.14E-07	2.76E-06	1.60E-06	1.73E-06	1.56E-06	7.14E-07	1.14E-06	3.05E-08	7.37E-07	1.63E-07	2.34E-07	3.72E-07	6.55E-08	7.51E-08	1.68E-06
2043	495361.06	3859501.99	2.63E-03	2.84E-03	4.52E-03	9.09E-07	2.74E-06	1.59E-06	1.72E-06	1.56E-06	7.10E-07	1.13E-06	3.04E-08	7.33E-07	1.62E-07	2.33E-07	3.70E-07	6.51E-08	7.47E-08	1.67E-06
2044	495411.06	3859501.99	2.61E-03	2.82E-03	4.50E-03	9.04E-07	2.73E-06	1.58E-06	1.71E-06	1.55E-06	7.06E-07	1.13E-06	3.02E-08	7.29E-07	1.61E-07	2.32E-07	3.68E-07	6.48E-08	7.43E-08	1.66E-06
2045	495461.06	3859501.99	2.59E-03	2.80E-03	4.47E-03	8.97E-07	2.71E-06	1.57E-06	1.69E-06	1.54E-06	7.01E-07	1.12E-06	3.00E-08	7.24E-07	1.60E-07	2.30E-07	3.65E-07	6.43E-08	7.37E-08	1.65E-06
2046	495511.06	3859501.99	2.55E-03	2.75E-03	4.39E-03	8.83E-07	2.66E-06	1.54E-06	1.67E-06	1.51E-06	6.89E-07	1.10E-06	2.95E-08	7.12E-07	1.57E-07	2.26E-07	3.59E-07	6.32E-08	7.25E-08	1.62E-06
2047	495561.06	3859501.99	2.54E-03	2.75E-03	4.38E-03	8.80E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.87E-07	1.10E-06	2.94E-08	7.10E-07	1.57E-07	2.26E-07	3.58E-07	6.31E-08	7.23E-08	1.61E-06
2048	495611.06	3859501.99	2.52E-03	2.72E-03	4.34E-03	8.72E-07	2.63E-06	1.52E-06	1.65E-06	1.49E-06	6.81E-07	1.09E-06	2.91E-08	7.03E-07	1.55E-07	2.23E-07	3.55E-07	6.25E-08	7.16E-08	1.60E-06
2049	495661.06	3859501.99	2.49E-03	2.69E-03	4.30E-03	8.63E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.74E-07	1.08E-06	2.88E-08	6.96E-07	1.54E-07	2.21E-07	3.51E-07	6.19E-08	7.09E-08	1.58E-06
2050	494311.06	3859551.99	3.12E-03	3.36E-03	5.36E-03	1.08E-06	3.26E-06	1.88E-06	2.04E-06	1.85E-06	8.42E-07	1.34E-06	3.60E-08	8.70E-07	1.92E-07	2.76E-07	4.38E-07	7.73E-08	8.85E-08	1.98E-06
2051	494361.06	3859551.99	3.08E-03	3.32E-03	5.29E-03	1.06E-06	3.21E-06	1.86E-06	2.01E-06	1.82E-06	8.31E-07	1.32E-06	3.55E-08	8.59E-07	1.89E-07	2.73E-07	4.33E-07	7.63E-08	8.74E-08	1.95E-06
2052	494411.06	3859551.99	3.01E-03	3.25E-03	5.19E-03	1.04E-06	3.15E-06	1.82E-06	1.97E-06	1.78E-06	8.14E-07	1.30E-06	3.48E-08	8.41E-07	1.86E-07	2.67E-07	4.24E-07	7.47E-08	8.56E-08	1.91E-06
2053	494461.06	3859551.99	3.02E-03	3.26E-03	5.20E-03	1.05E-06	3.16E-06	1.83E-06	1.97E-06	1.79E-06	8.16E-07	1.30E-06	3.49E-08	8.43E-07	1.86E-07	2.68E-07	4.25E-07	7.49E-08	8.58E-08	1.92E-06
2054	494511.06	3859551.99	2.99E-03	3.23E-03	5.14E-03	1.03E-06	3.12E-06	1.81E-06	1.95E-06	1.77E-06	8.07E-07	1.29E-06	3.45E-08	8.34E-07	1.84E-07	2.65E-07	4.20E-07	7.41E-08	8.49E-08	1.90E-06
2055	494561.06	3859551.99	2.96E-03	3.20E-03	5.10E-03	1.03E-06	3.10E-06	1.79E-06	1.94E-06	1.75E-06	8.01E-07	1.28E-06	3.42E-08	8.27E-07	1.82E-07	2.63E-07	4.17E-07	7.35E-08	8.42E-08	1.88E-06
2056	494611.06	3859551.99	2.95E-03	3.18E-03	5.07E-03	1.02E-06	3.08E-06	1.78E-06	1.93E-06	1.75E-06	7.97E-07	1.27E-06	3.41E-08	8.23E-07	1.82E-07	2.62E-07	4.15E-07	7.31E-08	8.38E-08	1.87E-06
2057	494661.06	3859551.99	2.93E-03	3.16E-03	5.04E-03	1.01E-06	3.06E-06	1.77E-06	1.91E-06	1.73E-06	7.91E-07	1.26E-06	3.38E-08	8.17E-07	1.80E-07	2.60E-07	4.12E-07	7.26E-08	8.32E-08	1.86E-06
2058	494711.06	3859551.99	2.86E-03	3.09E-03	4.92E-03	9.89E-07	2.99E-06	1.73E-06	1.87E-06	1.69E-06	7.72E-07	1.23E-06	3.30E-08	7.98E-07	1.76E-07	2.53E-07	4.02E-07	7.09E-08	8.12E-08	1.81E-06

2059	494761.06	3859551.99	2.87E-03	3.10E-03	4.94E-03	9.93E-07	3.00E-06	1.74E-06	1.88E-06	1.70E-06	7.76E-07	1.24E-06	3.32E-08	8.01E-07	1.77E-07	2.55E-07	4.04E-07	7.12E-08	8.16E-08	1.82E-06
2060	494811.06	3859551.99	2.82E-03	3.04E-03	4.85E-03	9.76E-07	2.95E-06	1.71E-06	1.84E-06	1.67E-06	7.62E-07	1.21E-06	3.26E-08	7.87E-07	1.74E-07	2.50E-07	3.97E-07	6.99E-08	8.01E-08	1.79E-06
2061	494861.06	3859551.99	2.80E-03	3.02E-03	4.82E-03	9.68E-07	2.92E-06	1.69E-06	1.83E-06	1.66E-06	7.56E-07	1.21E-06	3.23E-08	7.81E-07	1.72E-07	2.48E-07	3.94E-07	6.94E-08	7.95E-08	1.78E-06
2062	494911.06	3859551.99	2.77E-03	2.99E-03	4.77E-03	9.58E-07	2.89E-06	1.67E-06	1.81E-06	1.64E-06	7.48E-07	1.19E-06	3.20E-08	7.73E-07	1.71E-07	2.46E-07	3.90E-07	6.87E-08	7.87E-08	1.76E-06
2063	494961.06	3859551.99	2.75E-03	2.97E-03	4.74E-03	9.53E-07	2.88E-06	1.67E-06	1.80E-06	1.63E-06	7.45E-07	1.19E-06	3.18E-08	7.69E-07	1.70E-07	2.44E-07	3.88E-07	6.83E-08	7.83E-08	1.75E-06
2064	495011.06	3859551.99	2.74E-03	2.96E-03	4.73E-03	9.50E-07	2.87E-06	1.66E-06	1.79E-06	1.63E-06	7.42E-07	1.18E-06	3.17E-08	7.66E-07	1.69E-07	2.44E-07	3.86E-07	6.81E-08	7.80E-08	1.74E-06
2065	495061.06	3859551.99	2.72E-03	2.94E-03	4.69E-03	9.43E-07	2.85E-06	1.65E-06	1.78E-06	1.61E-06	7.36E-07	1.17E-06	3.15E-08	7.61E-07	1.68E-07	2.42E-07	3.83E-07	6.76E-08	7.74E-08	1.73E-06
2066	495111.06	3859551.99	2.70E-03	2.91E-03	4.64E-03	9.33E-07	2.82E-06	1.63E-06	1.76E-06	1.60E-06	7.29E-07	1.16E-06	3.12E-08	7.53E-07	1.66E-07	2.39E-07	3.80E-07	6.69E-08	7.67E-08	1.71E-06
2067	495161.06	3859551.99	2.69E-03	2.90E-03	4.63E-03	9.30E-07	2.81E-06	1.63E-06	1.76E-06	1.59E-06	7.26E-07	1.16E-06	3.11E-08	7.50E-07	1.66E-07	2.38E-07	3.78E-07	6.67E-08	7.64E-08	1.71E-06
2068	495211.06	3859551.99	2.68E-03	2.90E-03	4.62E-03	9.29E-07	2.80E-06	1.62E-06	1.75E-06	1.59E-06	7.25E-07	1.16E-06	3.10E-08	7.49E-07	1.65E-07	2.38E-07	3.78E-07	6.65E-08	7.63E-08	1.70E-06
2069	495261.06	3859551.99	2.66E-03	2.87E-03	4.58E-03	9.21E-07	2.78E-06	1.61E-06	1.74E-06	1.58E-06	7.19E-07	1.15E-06	3.08E-08	7.43E-07	1.64E-07	2.36E-07	3.75E-07	6.60E-08	7.57E-08	1.69E-06
2070	495311.06	3859551.99	2.64E-03	2.86E-03	4.55E-03	9.15E-07	2.76E-06	1.60E-06	1.73E-06	1.57E-06	7.15E-07	1.14E-06	3.06E-08	7.38E-07	1.63E-07	2.35E-07	3.72E-07	6.56E-08	7.52E-08	1.68E-06
2071	495361.06	3859551.99	2.63E-03	2.84E-03	4.53E-03	9.11E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.11E-07	1.13E-06	3.04E-08	7.35E-07	1.62E-07	2.34E-07	3.70E-07	6.53E-08	7.48E-08	1.67E-06
2072	495411.06	3859551.99	2.62E-03	2.83E-03	4.52E-03	9.08E-07	2.74E-06	1.59E-06	1.71E-06	1.55E-06	7.09E-07	1.13E-06	3.03E-08	7.32E-07	1.62E-07	2.33E-07	3.69E-07	6.51E-08	7.46E-08	1.67E-06
2073	495461.06	3859551.99	2.59E-03	2.80E-03	4.47E-03	8.98E-07	2.71E-06	1.57E-06	1.70E-06	1.54E-06	7.01E-07	1.12E-06	3.00E-08	7.24E-07	1.60E-07	2.30E-07	3.65E-07	6.44E-08	7.38E-08	1.65E-06
2074	495511.06	3859551.99	2.56E-03	2.77E-03	4.42E-03	8.88E-07	2.68E-06	1.55E-06	1.68E-06	1.52E-06	6.93E-07	1.11E-06	2.96E-08	7.16E-07	1.58E-07	2.28E-07	3.61E-07	6.36E-08	7.29E-08	1.63E-06
2075	495561.06	3859551.99	2.55E-03	2.75E-03	4.39E-03	8.82E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.89E-07	1.10E-06	2.94E-08	7.11E-07	1.57E-07	2.26E-07	3.59E-07	6.32E-08	7.24E-08	1.62E-06
2076	495611.06	3859551.99	2.53E-03	2.73E-03	4.36E-03	8.76E-07	2.64E-06	1.53E-06	1.65E-06	1.50E-06	6.84E-07	1.09E-06	2.92E-08	7.06E-07	1.56E-07	2.24E-07	3.56E-07	6.27E-08	7.19E-08	1.61E-06
2077	495661.06	3859551.99	2.51E-03	2.71E-03	4.32E-03	8.67E-07	2.62E-06	1.52E-06	1.64E-06	1.48E-06	6.77E-07	1.08E-06	2.90E-08	7.00E-07	1.54E-07	2.22E-07	3.53E-07	6.22E-08	7.13E-08	1.59E-06
2078	494311.06	3859601.99	3.09E-03	3.34E-03	5.31E-03	1.07E-06	3.23E-06	1.87E-06	2.02E-06	1.83E-06	8.35E-07	1.33E-06	3.57E-08	8.63E-07	1.90E-07	2.74E-07	4.35E-07	7.66E-08	8.77E-08	1.96E-06
2079	494361.06	3859601.99	3.03E-03	3.27E-03	5.21E-03	1.05E-06	3.17E-06	1.83E-06	1.98E-06	1.79E-06	8.19E-07	1.30E-06	3.50E-08	8.46E-07	1.87E-07	2.69E-07	4.26E-07	7.51E-08	8.60E-08	1.92E-06
2080	494411.06	3859601.99	2.99E-03	3.23E-03	5.15E-03	1.04E-06	3.13E-06	1.81E-06	1.96E-06	1.77E-06	8.09E-07	1.29E-06	3.46E-08	8.35E-07	1.84E-07	2.65E-07	4.21E-07	7.42E-08	8.50E-08	1.90E-06
2081	494461.06	3859601.99	3.00E-03	3.24E-03	5.15E-03	1.04E-06	3.13E-06	1.81E-06	1.96E-06	1.77E-06	8.10E-07	1.29E-06	3.46E-08	8.37E-07	1.85E-07	2.66E-07	4.22E-07	7.43E-08	8.51E-08	1.90E-06
2082	494511.06	3859601.99	2.95E-03	3.19E-03	5.08E-03	1.02E-06	3.09E-06	1.79E-06	1.93E-06	1.75E-06	7.98E-07	1.27E-06	3.41E-08	8.25E-07	1.82E-07	2.62E-07	4.16E-07	7.33E-08	8.39E-08	1.88E-06
2083	494561.06	3859601.99	2.95E-03	3.19E-03	5.08E-03	1.02E-06	3.08E-06	1.79E-06	1.93E-06	1.75E-06	7.98E-07	1.27E-06	3.41E-08	8.24E-07	1.82E-07	2.62E-07	4.15E-07	7.32E-08	8.38E-08	1.87E-06
2084	494611.06	3859601.99	2.94E-03	3.17E-03	5.06E-03	1.02E-06	3.07E-06	1.78E-06	1.92E-06	1.74E-06	7.95E-07	1.27E-06	3.40E-08	8.21E-07	1.81E-07	2.61E-07	4.14E-07	7.29E-08	8.35E-08	1.87E-06
2085	494661.06	3859601.99	2.89E-03	3.12E-03	4.98E-03	1.00E-06	3.02E-06	1.75E-06	1.89E-06	1.71E-06	7.82E-07	1.25E-06	3.34E-08	8.08E-07	1.78E-07	2.57E-07	4.07E-07	7.18E-08	8.22E-08	1.84E-06
2086	494711.06	3859601.99	2.85E-03	3.08E-03	4.90E-03	9.86E-07	2.98E-06	1.72E-06	1.86E-06	1.69E-06	7.70E-07	1.23E-06	3.29E-08	7.95E-07	1.75E-07	2.53E-07	4.01E-07	7.06E-08	8.09E-08	1.81E-06
2087	494761.06	3859601.99	2.87E-03	3.10E-03	4.94E-03	9.94E-07	3.00E-06	1.74E-06	1.88E-06	1.70E-06	7.76E-07	1.24E-06	3.32E-08	8.02E-07	1.77E-07	2.55E-07	4.04E-07	7.12E-08	8.16E-08	1.82E-06
2088	494811.06	3859601.99	2.82E-03	3.05E-03	4.86E-03	9.77E-07	2.95E-06	1.71E-06	1.84E-06	1.67E-06	7.63E-07	1.22E-06	3.26E-08	7.88E-07	1.74E-07	2.50E-07	3.97E-07	7.00E-08	8.02E-08	1.79E-06
2089	494861.06	3859601.99	2.80E-03	3.03E-03	4.83E-03	9.70E-07	2.93E-06	1.70E-06	1.83E-06	1.66E-06	7.58E-07	1.21E-06	3.24E-08	7.83E-07	1.73E-07	2.49E-07	3.95E-07	6.95E-08	7.97E-08	1.78E-06
2090	494911.06	3859601.99	2.77E-03	2.99E-03	4.76E-03	9.58E-07	2.89E-06	1.67E-06	1.81E-06	1.64E-06	7.48E-07	1.19E-06	3.20E-08	7.72E-07	1.70E-07	2.45E-07	3.89E-07	6.86E-08	7.86E-08	1.76E-06
2091	494961.06	3859601.99	2.77E-03	2.99E-03	4.77E-03	9.60E-07	2.90E-06	1.68E-06	1.81E-06	1.64E-06	7.49E-07	1.19E-06	3.20E-08	7.74E-07	1.71E-07	2.46E-07	3.90E-07	6.88E-08	7.88E-08	1.76E-06
2092	495011.06	3859601.99	2.73E-03	2.95E-03	4.70E-03	9.46E-07	2.86E-06	1.65E-06	1.79E-06	1.62E-06	7.39E-07	1.18E-06	3.16E-08	7.63E-07	1.68E-07	2.42E-07	3.85E-07	6.78E-08	7.77E-08	1.74E-06
2093	495061.06	3859601.99	2.73E-03	2.95E-03	4.70E-03	9.45E-07	2.85E-06	1.65E-06	1.78E-06	1.62E-06	7.38E-07	1.18E-06	3.15E-08	7.62E-07	1.68E-07	2.42E-07	3.84E-07	6.77E-08	7.76E-08	1.73E-06
2094	495111.06	3859601.99	2.70E-03	2.92E-03	4.65E-03	9.35E-07	2.82E-06	1.63E-06	1.77E-06	1.60E-06	7.30E-07	1.16E-06	3.12E-08	7.54E-07	1.66E-07	2.40E-07	3.80E-07	6.70E-08	7.68E-08	1.72E-06
2095	495161.06	3859601.99	2.69E-03	2.91E-03	4.64E-03	9.32E-07	2.82E-06	1.63E-06	1.76E-06	1.60E-06	7.28E-07	1.16E-06	3.11E-08	7.52E-07	1.66E-07	2.39E-07	3.79E-07	6.68E-08	7.66E-08	1.71E-06
2096	495211.06	3859601.99	2.68E-03	2.89E-03	4.61E-03	9.27E-07	2.80E-06	1.62E-06	1.75E-06	1.59E-06	7.24E-07	1.15E-06	3.10E-08	7.48E-07	1.65E-07	2.38E-07	3.77E-07	6.64E-08	7.61E-08	1.70E-06
2097	495261.06	3859601.99	2.67E-03	2.88E-03	4.59E-03	9.23E-07	2.79E-06	1.61E-06	1.74E-06	1.58E-06	7.21E-07	1.15E-06	3.08E-08	7.45E-07	1.64E-07	2.37E-07	3.75E-07	6.62E-08	7.58E-08	1.69E-06
2098	495311.06	3859601.99	2.66E-03	2.87E-03	4.58E-03	9.20E-07	2.78E-06	1.61E-06	1.74E-06	1.57E-06	7.19E-07	1.15E-06	3.07E-08	7.42E-07	1.64E-07	2.36E-07	3.74E-07	6.59E-08	7.56E-08	1.69E-06
2099	495361.06	3859601.99	2.64E-03	2.85E-03	4.55E-03	9.14E-07	2.76E-06	1.60E-06	1.73E-06	1.56E-06	7.14E-07	1.14E-06	3.05E-08	7.37E-07	1.63E-07	2.34E-07	3.72E-07	6.55E-08	7.51E-08	1.68E-06
2100	495411.06	3859601.99	2.63E-03	2.84E-03	4.53E-03	9.11E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.11E-07	1.13E-06	3.04E-08	7.34E-07	1.62E-07	2.33E-07	3.70E-07	6.53E-08	7.48E-08	1.67E-06
2101	495461.06	3859601.99	2.60E-03	2.80E-03	4.47E-03	8.99E-07	2.71E-06	1.57E-06	1.70E-06	1.54E-06	7.02E-07	1.12E-06	3.00E-08	7.25E-07	1.60E-07	2.30E-07	3.65E-07	6.44E-08	7.38E-08	1.65E-06
2102	495511.06	3859601.99	2.57E-03	2.77E-03	4.42E-03	8.88E-07	2.68E-06	1.55E-06	1.68E-06	1.52E-06	6.94E-07	1.11E-06	2.97E-08	7.17E-07	1.58E-07	2.28E-07	3.61E-07	6.37E-08	7.30E-08	1.63E-06
2103	495561.06	3859601.99	2.56E-03	2.77E-03	4.41E-03	8.87E-07	2.68E-06	1.55E-06	1.67E-06	1.52E-06	6.92E-07	1.10E-06	2.96E-08	7.15E-07	1.58E-07	2.27E-07	3.61E-07	6.35E-08	7.28E-08	1.63E-06
2104	495611.06	3859601.99	2.53E-03	2.73E-03	4.35E-03	8.74E-07	2.64E-06	1.53E-06	1.65E-06	1.50E-06	6.83E-07	1.09E-06	2.92E-08	7.05E-07	1.56E-07	2.24E-07	3.56E-07	6.27E-08	7.18E-08	1.60E-06
2105	495661.06	3859601.99	2.52E-03	2.72E-03	4.33E-03	8.71E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.80E-07	1.08E-06	2.91E-08	7.02E-07	1.55E-07	2.23E-07	3.54E-07	6.24E-08	7.15E-08	1.60E-06
2106	494311.06	3859651.99	3.04E-03	3.29E-03	5.23E-03	1.05E-06	3.18E-06	1.84E-06	1.99E-06	1.80E-06	8.23E-07	1.31E-06	3.52E-08	8.50E-07	1.88E-07	2.70E-07	4.28E-07	7.55E-08	8.64E-08	1.93E-06
2107	494361.06	3859651.99	2.99E-03	3.23E-03	5.15E-03	1.04E-06	3.13E-06	1.81E-06	1.96E-06	1.77E-06	8.09E-07	1.29E-06	3.46E-08	8.35E-07	1.84E-07	2.65E-07	4.21E-07	7.42E-08	8.50E-08	1.90E-06
2108	494411.06	3859651.99	2.97E-03	3.21E-03	5.11E-03	1.03E-06	3.11E-06	1.80E-06	1.94E-06	1.76E-06	8.03E-07	1.28E-06	3.43E-08	8.30E-07	1.83E-07	2.64E-07	4.18E-07	7.37E-08	8.44E-08	1.89E-06
2109	494461.06	3859651.99	2.97E-03	3.21E-03	5.11E-03	1.03E-06	3.11E-06	1.80E-06	1.94E-06	1.76E-06	8.03E-07	1.28E-06	3.44E-08	8.30E-07	1.83E-07	2.64E-07	4.18E-07	7.37E-08	8.44E-08	1.89E-06
2110	494511.06	3859651.99	2.95E-03	3.19E-03	5.07E-03	1.02E-06	3.08E-06	1.78E-06	1.93E-06	1.75E-06	7.97E-07	1.27E-06	3.41E-08	8.24E-07	1.82E-07	2.62E-07	4.15E-07	7.32E-08	8.38E-08	1.87E-06
2111	494561.06	3859651.99	2.94E-03	3.17E-03	5.05E-03	1.02E-06	3.07E-06	1.78E-06	1.92E-06	1.74E-06	7.93E-07	1.26E-06	3.39E-08	8.20E-07	1.81E-07	2.60E-07	4.13E-07	7.28E-08	8.33E-08	1.86E-06
2112	494611.06	3859651.99	2.92E-03	3.15E-03	5.02E-03	1.01E-06	3.05E-06	1.77E-06	1.91E-06	1.73E-06	7.89E-07	1.26E-06	3.37E-08	8.15E-07	1.80E-07	2.59E-07	4.11E-07	7.24E-08	8.29E-08	1.85E-06
2113	494661.06	3859651.99	2.87E-03	3.10E-03	4.94E-03	9.93E-07	3.00E-06	1.74E-06	1.87E-06	1.70E-06	7.75E-07	1.24E-06	3.32E-08	8.01E-07	1.77E-07	2.55E-07	4.04E-07	7.12E-08	8.15E-08	1.82E-06
2114	494711.06	3859651.99	2.86E-03	3.08E-03	4.91E-03	9.88E-07	2.98E-06	1.73E-06	1.87E-06	1.69E-06	7.72E-07	1.23E-06	3.30E-08	7.97E-07	1.76E-07	2.53E-07	4.02E-07	7.08E-08	8.11E-08	1.81E-06
2115	494761.06	3859651.99	2.85E-03	3.07E-03	4.90E-03	9.85E-07	2.97E-06	1.72E-06	1.86E-06	1.69E-06	7.69E-07	1.23E-06	3.29E-08	7.94E-07	1.75E-07	2.52E-07	4.00E-07	7.06E-08	8.08E-08	1.81E-06
2116	494811.06	3859651.99	2.82E-03	3.04E-03	4.84E-03	9.75E-07	2.94E-06	1.70E-06	1.84E-06	1.67E-06	7.61E-07	1.21E-06	3.25E-08	7.86E-07	1.73E-07	2.50E-07	3.96E-07	6.98E-08	8.00E-08	1.79E-06
2117	494861.06	3859651.99	2.80E-03	3.03E-03	4.82E-03	9.70E-07	2.93E-06	1.70E-06	1.83E-06	1.66E-06	7.57E-07	1.21E-06	3.24E-08	7.82E-07	1.73E-07	2.49E-07	3.94E-07	6.95E-08	7.96E-08	1.78E-06

2118	494911.06	3859651.99	2.78E-03	3.00E-03	4.78E-03	9.62E-07	2.91E-06	1.68E-06	1.82E-06	1.65E-06	7.51E-07	1.20E-06	3.21E-08	7.76E-07	1.71E-07	2.47E-07	3.91E-07	6.89E-08	7.90E-08	1.77E-06
2119	494961.06	3859651.99	2.76E-03	2.99E-03	4.76E-03	9.57E-07	2.89E-06	1.67E-06	1.81E-06	1.64E-06	7.47E-07	1.19E-06	3.20E-08	7.72E-07	1.70E-07	2.45E-07	3.89E-07	6.86E-08	7.85E-08	1.76E-06
2120	495011.06	3859651.99	2.74E-03	2.96E-03	4.72E-03	9.50E-07	2.87E-06	1.66E-06	1.79E-06	1.63E-06	7.42E-07	1.18E-06	3.17E-08	7.66E-07	1.69E-07	2.44E-07	3.86E-07	6.81E-08	7.80E-08	1.74E-06
2121	495061.06	3859651.99	2.73E-03	2.95E-03	4.70E-03	9.46E-07	2.86E-06	1.65E-06	1.79E-06	1.62E-06	7.39E-07	1.18E-06	3.16E-08	7.63E-07	1.68E-07	2.42E-07	3.85E-07	6.78E-08	7.77E-08	1.74E-06
2122	495111.06	3859651.99	2.71E-03	2.93E-03	4.67E-03	9.38E-07	2.83E-06	1.64E-06	1.77E-06	1.61E-06	7.33E-07	1.17E-06	3.13E-08	7.57E-07	1.67E-07	2.41E-07	3.82E-07	6.73E-08	7.70E-08	1.72E-06
2123	495161.06	3859651.99	2.70E-03	2.91E-03	4.64E-03	9.33E-07	2.82E-06	1.63E-06	1.76E-06	1.60E-06	7.29E-07	1.16E-06	3.12E-08	7.53E-07	1.66E-07	2.39E-07	3.79E-07	6.69E-08	7.66E-08	1.71E-06
2124	495211.06	3859651.99	2.68E-03	2.90E-03	4.62E-03	9.29E-07	2.81E-06	1.62E-06	1.75E-06	1.59E-06	7.26E-07	1.16E-06	3.10E-08	7.50E-07	1.65E-07	2.38E-07	3.78E-07	6.66E-08	7.63E-08	1.71E-06
2125	495261.06	3859651.99	2.67E-03	2.88E-03	4.59E-03	9.24E-07	2.79E-06	1.61E-06	1.74E-06	1.58E-06	7.21E-07	1.15E-06	3.09E-08	7.45E-07	1.64E-07	2.37E-07	3.76E-07	6.62E-08	7.59E-08	1.69E-06
2126	495311.06	3859651.99	2.66E-03	2.87E-03	4.57E-03	9.19E-07	2.78E-06	1.61E-06	1.74E-06	1.57E-06	7.18E-07	1.14E-06	3.07E-08	7.41E-07	1.64E-07	2.36E-07	3.74E-07	6.59E-08	7.55E-08	1.69E-06
2127	495361.06	3859651.99	2.64E-03	2.86E-03	4.55E-03	9.15E-07	2.76E-06	1.60E-06	1.73E-06	1.57E-06	7.15E-07	1.14E-06	3.06E-08	7.38E-07	1.63E-07	2.35E-07	3.72E-07	6.56E-08	7.51E-08	1.68E-06
2128	495411.06	3859651.99	2.63E-03	2.84E-03	4.52E-03	9.10E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.10E-07	1.13E-06	3.04E-08	7.34E-07	1.62E-07	2.33E-07	3.70E-07	6.52E-08	7.47E-08	1.67E-06
2129	495461.06	3859651.99	2.60E-03	2.81E-03	4.47E-03	8.99E-07	2.71E-06	1.57E-06	1.70E-06	1.54E-06	7.02E-07	1.12E-06	3.00E-08	7.25E-07	1.60E-07	2.30E-07	3.66E-07	6.44E-08	7.38E-08	1.65E-06
2130	495511.06	3859651.99	2.57E-03	2.78E-03	4.43E-03	8.90E-07	2.69E-06	1.56E-06	1.68E-06	1.52E-06	6.95E-07	1.11E-06	2.97E-08	7.18E-07	1.58E-07	2.28E-07	3.62E-07	6.38E-08	7.31E-08	1.63E-06
2131	495561.06	3859651.99	2.56E-03	2.76E-03	4.41E-03	8.86E-07	2.67E-06	1.55E-06	1.67E-06	1.52E-06	6.92E-07	1.10E-06	2.96E-08	7.15E-07	1.58E-07	2.27E-07	3.60E-07	6.35E-08	7.27E-08	1.63E-06
2132	495611.06	3859651.99	2.54E-03	2.74E-03	4.37E-03	8.79E-07	2.65E-06	1.54E-06	1.66E-06	1.50E-06	6.87E-07	1.09E-06	2.94E-08	7.09E-07	1.57E-07	2.25E-07	3.58E-07	6.30E-08	7.22E-08	1.61E-06
2133	495661.06	3859651.99	2.52E-03	2.72E-03	4.34E-03	8.72E-07	2.63E-06	1.52E-06	1.65E-06	1.49E-06	6.81E-07	1.09E-06	2.91E-08	7.03E-07	1.55E-07	2.23E-07	3.55E-07	6.25E-08	7.16E-08	1.60E-06
2134	494311.06	3859701.99	2.97E-03	3.21E-03	5.11E-03	1.03E-06	3.11E-06	1.80E-06	1.94E-06	1.76E-06	8.03E-07	1.28E-06	3.44E-08	8.30E-07	1.83E-07	2.64E-07	4.18E-07	7.37E-08	8.44E-08	1.89E-06
2135	494361.06	3859701.99	2.95E-03	3.18E-03	5.07E-03	1.02E-06	3.08E-06	1.78E-06	1.93E-06	1.75E-06	7.97E-07	1.27E-06	3.41E-08	8.23E-07	1.82E-07	2.61E-07	4.15E-07	7.31E-08	8.37E-08	1.87E-06
2136	494411.06	3859701.99	2.94E-03	3.17E-03	5.05E-03	1.02E-06	3.07E-06	1.78E-06	1.92E-06	1.74E-06	7.94E-07	1.26E-06	3.40E-08	8.20E-07	1.81E-07	2.61E-07	4.13E-07	7.29E-08	8.34E-08	1.87E-06
2137	494461.06	3859701.99	2.95E-03	3.18E-03	5.06E-03	1.02E-06	3.08E-06	1.78E-06	1.92E-06	1.74E-06	7.96E-07	1.27E-06	3.40E-08	8.22E-07	1.81E-07	2.61E-07	4.14E-07	7.30E-08	8.36E-08	1.87E-06
2138	494511.06	3859701.99	2.93E-03	3.16E-03	5.03E-03	1.01E-06	3.06E-06	1.77E-06	1.91E-06	1.73E-06	7.91E-07	1.26E-06	3.38E-08	8.17E-07	1.80E-07	2.60E-07	4.12E-07	7.26E-08	8.31E-08	1.86E-06
2139	494561.06	3859701.99	2.91E-03	3.15E-03	5.01E-03	1.01E-06	3.05E-06	1.76E-06	1.90E-06	1.73E-06	7.88E-07	1.25E-06	3.37E-08	8.14E-07	1.80E-07	2.59E-07	4.10E-07	7.23E-08	8.27E-08	1.85E-06
2140	494611.06	3859701.99	2.90E-03	3.13E-03	4.99E-03	1.00E-06	3.03E-06	1.75E-06	1.89E-06	1.72E-06	7.84E-07	1.25E-06	3.35E-08	8.10E-07	1.79E-07	2.57E-07	4.08E-07	7.19E-08	8.23E-08	1.84E-06
2141	494661.06	3859701.99	2.85E-03	3.08E-03	4.90E-03	9.86E-07	2.98E-06	1.72E-06	1.86E-06	1.69E-06	7.70E-07	1.23E-06	3.29E-08	7.95E-07	1.75E-07	2.53E-07	4.01E-07	7.06E-08	8.09E-08	1.81E-06
2142	494711.06	3859701.99	2.84E-03	3.07E-03	4.89E-03	9.85E-07	2.97E-06	1.72E-06	1.86E-06	1.68E-06	7.69E-07	1.22E-06	3.29E-08	7.94E-07	1.75E-07	2.52E-07	4.00E-07	7.05E-08	8.08E-08	1.81E-06
2143	494761.06	3859701.99	2.82E-03	3.05E-03	4.85E-03	9.76E-07	2.95E-06	1.71E-06	1.84E-06	1.67E-06	7.62E-07	1.21E-06	3.26E-08	7.87E-07	1.74E-07	2.50E-07	3.97E-07	7.00E-08	8.01E-08	1.79E-06
2144	494811.06	3859701.99	2.80E-03	3.02E-03	4.81E-03	9.68E-07	2.92E-06	1.69E-06	1.83E-06	1.66E-06	7.55E-07	1.20E-06	3.23E-08	7.80E-07	1.72E-07	2.48E-07	3.93E-07	6.93E-08	7.94E-08	1.77E-06
2145	494861.06	3859701.99	2.79E-03	3.02E-03	4.81E-03	9.67E-07	2.92E-06	1.69E-06	1.83E-06	1.65E-06	7.55E-07	1.20E-06	3.23E-08	7.80E-07	1.72E-07	2.48E-07	3.93E-07	6.93E-08	7.93E-08	1.77E-06
2146	494911.06	3859701.99	2.77E-03	2.99E-03	4.77E-03	9.60E-07	2.90E-06	1.68E-06	1.81E-06	1.64E-06	7.50E-07	1.19E-06	3.21E-08	7.74E-07	1.71E-07	2.46E-07	3.90E-07	6.88E-08	7.88E-08	1.76E-06
2147	494961.06	3859701.99	2.75E-03	2.97E-03	4.74E-03	9.53E-07	2.88E-06	1.67E-06	1.80E-06	1.63E-06	7.44E-07	1.19E-06	3.18E-08	7.69E-07	1.70E-07	2.44E-07	3.88E-07	6.83E-08	7.82E-08	1.75E-06
2148	495011.06	3859701.99	2.74E-03	2.96E-03	4.72E-03	9.49E-07	2.87E-06	1.66E-06	1.79E-06	1.62E-06	7.41E-07	1.18E-06	3.17E-08	7.66E-07	1.69E-07	2.43E-07	3.86E-07	6.80E-08	7.79E-08	1.74E-06
2149	495061.06	3859701.99	2.73E-03	2.94E-03	4.69E-03	9.44E-07	2.85E-06	1.65E-06	1.78E-06	1.62E-06	7.37E-07	1.17E-06	3.15E-08	7.61E-07	1.68E-07	2.42E-07	3.84E-07	6.76E-08	7.74E-08	1.73E-06
2150	495111.06	3859701.99	2.71E-03	2.93E-03	4.66E-03	9.38E-07	2.83E-06	1.64E-06	1.77E-06	1.61E-06	7.33E-07	1.17E-06	3.13E-08	7.57E-07	1.67E-07	2.40E-07	3.81E-07	6.72E-08	7.70E-08	1.72E-06
2151	495161.06	3859701.99	2.69E-03	2.91E-03	4.63E-03	9.32E-07	2.81E-06	1.63E-06	1.76E-06	1.59E-06	7.27E-07	1.16E-06	3.11E-08	7.51E-07	1.66E-07	2.39E-07	3.79E-07	6.68E-08	7.65E-08	1.71E-06
2152	495211.06	3859701.99	2.67E-03	2.88E-03	4.60E-03	9.25E-07	2.79E-06	1.62E-06	1.75E-06	1.58E-06	7.22E-07	1.15E-06	3.09E-08	7.46E-07	1.65E-07	2.37E-07	3.76E-07	6.63E-08	7.59E-08	1.70E-06
2153	495261.06	3859701.99	2.67E-03	2.88E-03	4.59E-03	9.23E-07	2.79E-06	1.61E-06	1.74E-06	1.58E-06	7.21E-07	1.15E-06	3.08E-08	7.45E-07	1.64E-07	2.37E-07	3.75E-07	6.62E-08	7.58E-08	1.69E-06
2154	495311.06	3859701.99	2.65E-03	2.86E-03	4.56E-03	9.17E-07	2.77E-06	1.60E-06	1.73E-06	1.57E-06	7.16E-07	1.14E-06	3.06E-08	7.40E-07	1.63E-07	2.35E-07	3.73E-07	6.57E-08	7.53E-08	1.68E-06
2155	495361.06	3859701.99	2.63E-03	2.84E-03	4.53E-03	9.11E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.12E-07	1.13E-06	3.04E-08	7.35E-07	1.62E-07	2.34E-07	3.71E-07	6.53E-08	7.48E-08	1.67E-06
2156	495411.06	3859701.99	2.61E-03	2.82E-03	4.49E-03	9.03E-07	2.73E-06	1.58E-06	1.70E-06	1.55E-06	7.05E-07	1.12E-06	3.02E-08	7.28E-07	1.61E-07	2.31E-07	3.67E-07	6.47E-08	7.41E-08	1.66E-06
2157	495461.06	3859701.99	2.59E-03	2.80E-03	4.46E-03	8.97E-07	2.71E-06	1.57E-06	1.69E-06	1.53E-06	7.00E-07	1.12E-06	2.99E-08	7.23E-07	1.60E-07	2.30E-07	3.65E-07	6.43E-08	7.36E-08	1.65E-06
2158	495511.06	3859701.99	2.55E-03	2.76E-03	4.40E-03	8.84E-07	2.67E-06	1.55E-06	1.67E-06	1.51E-06	6.91E-07	1.10E-06	2.95E-08	7.13E-07	1.57E-07	2.27E-07	3.60E-07	6.34E-08	7.26E-08	1.62E-06
2159	495561.06	3859701.99	2.56E-03	2.76E-03	4.40E-03	8.85E-07	2.67E-06	1.55E-06	1.67E-06	1.51E-06	6.91E-07	1.10E-06	2.95E-08	7.14E-07	1.57E-07	2.27E-07	3.60E-07	6.34E-08	7.26E-08	1.62E-06
2160	495611.06	3859701.99	2.54E-03	2.74E-03	4.37E-03	8.79E-07	2.65E-06	1.54E-06	1.66E-06	1.50E-06	6.86E-07	1.09E-06	2.94E-08	7.09E-07	1.56E-07	2.25E-07	3.57E-07	6.30E-08	7.22E-08	1.61E-06
2161	495661.06	3859701.99	2.52E-03	2.72E-03	4.34E-03	8.73E-07	2.63E-06	1.53E-06	1.65E-06	1.49E-06	6.81E-07	1.09E-06	2.91E-08	7.04E-07	1.55E-07	2.24E-07	3.55E-07	6.25E-08	7.16E-08	1.60E-06
2162	494311.06	3859751.99	2.95E-03	3.18E-03	5.07E-03	1.02E-06	3.08E-06	1.78E-06	1.93E-06	1.75E-06	7.97E-07	1.27E-06	3.41E-08	8.23E-07	1.82E-07	2.61E-07	4.15E-07	7.31E-08	8.36E-08	1.87E-06
2163	494361.06	3859751.99	2.93E-03	3.16E-03	5.04E-03	1.01E-06	3.06E-06	1.77E-06	1.91E-06	1.74E-06	7.92E-07	1.26E-06	3.39E-08	8.18E-07	1.81E-07	2.60E-07	4.12E-07	7.27E-08	8.31E-08	1.86E-06
2164	494411.06	3859751.99	2.91E-03	3.14E-03	5.00E-03	1.01E-06	3.04E-06	1.76E-06	1.90E-06	1.72E-06	7.86E-07	1.25E-06	3.36E-08	8.12E-07	1.79E-07	2.58E-07	4.09E-07	7.21E-08	8.25E-08	1.85E-06
2165	494461.06	3859751.99	2.91E-03	3.14E-03	5.00E-03	1.01E-06	3.04E-06	1.76E-06	1.90E-06	1.72E-06	7.86E-07	1.25E-06	3.36E-08	8.12E-07	1.79E-07	2.58E-07	4.09E-07	7.22E-08	8.26E-08	1.85E-06
2166	494511.06	3859751.99	2.90E-03	3.14E-03	4.99E-03	1.01E-06	3.04E-06	1.76E-06	1.90E-06	1.72E-06	7.85E-07	1.25E-06	3.36E-08	8.11E-07	1.79E-07	2.58E-07	4.09E-07	7.20E-08	8.24E-08	1.84E-06
2167	494561.06	3859751.99	2.89E-03	3.12E-03	4.96E-03	9.99E-07	3.02E-06	1.75E-06	1.89E-06	1.71E-06	7.80E-07	1.24E-06	3.34E-08	8.06E-07	1.78E-07	2.56E-07	4.06E-07	7.16E-08	8.19E-08	1.83E-06
2168	494611.06	3859751.99	2.87E-03	3.09E-03	4.93E-03	9.92E-07	3.00E-06	1.73E-06	1.87E-06	1.70E-06	7.74E-07	1.23E-06	3.31E-08	8.00E-07	1.77E-07	2.54E-07	4.03E-07	7.11E-08	8.13E-08	1.82E-06
2169	494661.06	3859751.99	2.83E-03	3.06E-03	4.87E-03	9.80E-07	2.96E-06	1.71E-06	1.85E-06	1.68E-06	7.65E-07	1.22E-06	3.27E-08	7.90E-07	1.74E-07	2.51E-07	3.98E-07	7.02E-08	8.04E-08	1.80E-06
2170	494711.06	3859751.99	2.83E-03	3.05E-03	4.86E-03	9.78E-07	2.95E-06	1.71E-06	1.85E-06	1.67E-06	7.64E-07	1.22E-06	3.27E-08	7.89E-07	1.74E-07	2.51E-07	3.98E-07	7.01E-08	8.02E-08	1.79E-06
2171	494761.06	3859751.99	2.81E-03	3.04E-03	4.84E-03	9.74E-07	2.94E-06	1.70E-06	1.84E-06	1.67E-06	7.60E-07	1.21E-06	3.25E-08	7.86E-07	1.73E-07	2.50E-07	3.96E-07	6.98E-08	7.99E-08	1.79E-06
2172	494811.06	3859751.99	2.79E-03	3.02E-03	4.80E-03	9.67E-07	2.92E-06	1.69E-06	1.83E-06	1.65E-06	7.55E-07	1.20E-06	3.23E-08	7.80E-07	1.72E-07	2.48E-07	3.93E-07	6.93E-08	7.93E-08	1.77E-06
2173	494861.06	3859751.99	2.78E-03	3.00E-03	4.78E-03	9.62E-07	2.90E-06	1.68E-06	1.82E-06	1.65E-06	7.51E-07	1.20E-06	3.21E-08	7.76E-07	1.71E-07	2.47E-07	3.91E-07	6.89E-08	7.89E-08	1.76E-06
2174	494911.06	3859751.99	2.76E-03	2.99E-03	4.75E-03	9.57E-07	2.89E-06	1.67E-06	1.81E-06	1.64E-06	7.47E-07	1.19E-06	3.20E-08	7.72E-07	1.70E-07	2.45E-07	3.89E-07	6.86E-08	7.85E-08	1.76E-06
2175	494961.06	3859751.99	2.75E-03	2.97E-03	4.73E-03	9.52E-07	2.87E-06	1.66E-06	1.80E-06	1.63E-06	7.43E-07	1.18E-06	3.18E-08	7.68E-07	1.69E-07	2.44E-07	3.87E-07	6.82E-08	7.81E-08	1.75E-06
2176	495011.06	3859751.99	2.73E-03	2.95E-03	4.70E-03	9.46E-07	2.86E-06	1.65E-06	1.79E-06	1.62E-06	7.39E-07	1.18E-06	3.16E-08	7.63E-07	1.68E-07	2.42E-07	3.85E-07	6.78E-08	7.76E-08	1.74E-06

2177	495061.06	3859751.99	2.72E-03	2.94E-03	4.68E-03	9.42E-07	2.85E-06	1.65E-06	1.78E-06	1.61E-06	7.36E-07	1.17E-06	3.15E-08	7.60E-07	1.68E-07	2.42E-07	3.83E-07	6.75E-08	7.73E-08	1.73E-06
2178	495111.06	3859751.99	2.71E-03	2.92E-03	4.66E-03	9.37E-07	2.83E-06	1.64E-06	1.77E-06	1.60E-06	7.31E-07	1.17E-06	3.13E-08	7.56E-07	1.67E-07	2.40E-07	3.81E-07	6.71E-08	7.69E-08	1.72E-06
2179	495161.06	3859751.99	2.69E-03	2.90E-03	4.62E-03	9.30E-07	2.81E-06	1.63E-06	1.76E-06	1.59E-06	7.26E-07	1.16E-06	3.11E-08	7.51E-07	1.66E-07	2.38E-07	3.78E-07	6.67E-08	7.63E-08	1.71E-06
2180	495211.06	3859751.99	2.67E-03	2.88E-03	4.59E-03	9.24E-07	2.79E-06	1.61E-06	1.74E-06	1.58E-06	7.21E-07	1.15E-06	3.09E-08	7.45E-07	1.64E-07	2.37E-07	3.76E-07	6.62E-08	7.58E-08	1.69E-06
2181	495261.06	3859751.99	2.66E-03	2.87E-03	4.57E-03	9.20E-07	2.78E-06	1.61E-06	1.74E-06	1.57E-06	7.18E-07	1.14E-06	3.07E-08	7.42E-07	1.64E-07	2.36E-07	3.74E-07	6.59E-08	7.55E-08	1.69E-06
2182	495311.06	3859751.99	2.64E-03	2.85E-03	4.54E-03	9.14E-07	2.76E-06	1.60E-06	1.73E-06	1.56E-06	7.14E-07	1.14E-06	3.05E-08	7.37E-07	1.63E-07	2.34E-07	3.72E-07	6.55E-08	7.50E-08	1.68E-06
2183	495361.06	3859751.99	2.62E-03	2.83E-03	4.52E-03	9.09E-07	2.74E-06	1.59E-06	1.72E-06	1.55E-06	7.09E-07	1.13E-06	3.03E-08	7.33E-07	1.62E-07	2.33E-07	3.69E-07	6.51E-08	7.46E-08	1.67E-06
2184	495411.06	3859751.99	2.61E-03	2.82E-03	4.49E-03	9.03E-07	2.73E-06	1.58E-06	1.71E-06	1.55E-06	7.05E-07	1.12E-06	3.02E-08	7.29E-07	1.61E-07	2.32E-07	3.67E-07	6.47E-08	7.41E-08	1.66E-06
2185	495461.06	3859751.99	2.59E-03	2.79E-03	4.45E-03	8.95E-07	2.70E-06	1.56E-06	1.69E-06	1.53E-06	6.99E-07	1.11E-06	2.99E-08	7.22E-07	1.59E-07	2.29E-07	3.64E-07	6.42E-08	7.35E-08	1.64E-06
2186	495511.06	3859751.99	2.56E-03	2.77E-03	4.41E-03	8.87E-07	2.68E-06	1.55E-06	1.67E-06	1.52E-06	6.93E-07	1.10E-06	2.96E-08	7.16E-07	1.58E-07	2.27E-07	3.61E-07	6.36E-08	7.28E-08	1.63E-06
2187	495561.06	3859751.99	2.55E-03	2.75E-03	4.38E-03	8.82E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.88E-07	1.10E-06	2.94E-08	7.11E-07	1.57E-07	2.26E-07	3.58E-07	6.32E-08	7.24E-08	1.62E-06
2188	495611.06	3859751.99	2.53E-03	2.73E-03	4.36E-03	8.76E-07	2.65E-06	1.53E-06	1.65E-06	1.50E-06	6.84E-07	1.09E-06	2.93E-08	7.07E-07	1.56E-07	2.25E-07	3.56E-07	6.28E-08	7.19E-08	1.61E-06
2189	495661.06	3859751.99	2.52E-03	2.72E-03	4.34E-03	8.73E-07	2.63E-06	1.53E-06	1.65E-06	1.49E-06	6.81E-07	1.09E-06	2.91E-08	7.04E-07	1.55E-07	2.24E-07	3.55E-07	6.25E-08	7.16E-08	1.60E-06
2190	494311.06	3859801.99	2.92E-03	3.15E-03	5.02E-03	1.01E-06	3.05E-06	1.77E-06	1.91E-06	1.73E-06	7.89E-07	1.26E-06	3.38E-08	8.16E-07	1.80E-07	2.59E-07	4.11E-07	7.25E-08	8.29E-08	1.86E-06
2191	494361.06	3859801.99	2.90E-03	3.13E-03	4.98E-03	1.00E-06	3.03E-06	1.75E-06	1.89E-06	1.72E-06	7.83E-07	1.25E-06	3.35E-08	8.09E-07	1.79E-07	2.57E-07	4.08E-07	7.19E-08	8.22E-08	1.84E-06
2192	494411.06	3859801.99	2.87E-03	3.10E-03	4.94E-03	9.95E-07	3.00E-06	1.74E-06	1.88E-06	1.70E-06	7.76E-07	1.24E-06	3.32E-08	8.02E-07	1.77E-07	2.55E-07	4.04E-07	7.13E-08	8.15E-08	1.82E-06
2193	494461.06	3859801.99	2.87E-03	3.10E-03	4.94E-03	9.94E-07	3.00E-06	1.74E-06	1.88E-06	1.70E-06	7.76E-07	1.24E-06	3.32E-08	8.02E-07	1.77E-07	2.55E-07	4.04E-07	7.12E-08	8.15E-08	1.82E-06
2194	494511.06	3859801.99	2.87E-03	3.10E-03	4.94E-03	9.95E-07	3.00E-06	1.74E-06	1.88E-06	1.70E-06	7.76E-07	1.24E-06	3.32E-08	8.02E-07	1.77E-07	2.55E-07	4.04E-07	7.13E-08	8.15E-08	1.82E-06
2195	494561.06	3859801.99	2.86E-03	3.09E-03	4.91E-03	9.89E-07	2.99E-06	1.73E-06	1.87E-06	1.69E-06	7.72E-07	1.23E-06	3.30E-08	7.98E-07	1.76E-07	2.54E-07	4.02E-07	7.09E-08	8.11E-08	1.81E-06
2196	494611.06	3859801.99	2.83E-03	3.05E-03	4.86E-03	9.79E-07	2.96E-06	1.71E-06	1.85E-06	1.68E-06	7.64E-07	1.22E-06	3.27E-08	7.90E-07	1.74E-07	2.51E-07	3.98E-07	7.02E-08	8.03E-08	1.80E-06
2197	494661.06	3859801.99	2.81E-03	3.04E-03	4.83E-03	9.73E-07	2.94E-06	1.70E-06	1.84E-06	1.66E-06	7.60E-07	1.21E-06	3.25E-08	7.85E-07	1.73E-07	2.49E-07	3.96E-07	6.97E-08	7.98E-08	1.78E-06
2198	494711.06	3859801.99	2.79E-03	3.01E-03	4.79E-03	9.66E-07	2.92E-06	1.69E-06	1.82E-06	1.65E-06	7.54E-07	1.20E-06	3.22E-08	7.79E-07	1.72E-07	2.47E-07	3.93E-07	6.92E-08	7.92E-08	1.77E-06
2199	494761.06	3859801.99	2.79E-03	3.01E-03	4.80E-03	9.66E-07	2.92E-06	1.69E-06	1.82E-06	1.65E-06	7.54E-07	1.20E-06	3.23E-08	7.79E-07	1.72E-07	2.48E-07	3.93E-07	6.92E-08	7.92E-08	1.77E-06
2200	494811.06	3859801.99	2.77E-03	2.99E-03	4.77E-03	9.60E-07	2.90E-06	1.68E-06	1.81E-06	1.64E-06	7.49E-07	1.19E-06	3.21E-08	7.74E-07	1.71E-07	2.46E-07	3.90E-07	6.88E-08	7.87E-08	1.76E-06
2201	494861.06	3859801.99	2.76E-03	2.98E-03	4.75E-03	9.56E-07	2.89E-06	1.67E-06	1.80E-06	1.64E-06	7.46E-07	1.19E-06	3.19E-08	7.71E-07	1.70E-07	2.45E-07	3.89E-07	6.85E-08	7.84E-08	1.75E-06
2202	494911.06	3859801.99	2.74E-03	2.96E-03	4.71E-03	9.49E-07	2.87E-06	1.66E-06	1.79E-06	1.62E-06	7.41E-07	1.18E-06	3.17E-08	7.66E-07	1.69E-07	2.43E-07	3.86E-07	6.80E-08	7.78E-08	1.74E-06
2203	494961.06	3859801.99	2.73E-03	2.95E-03	4.69E-03	9.44E-07	2.85E-06	1.65E-06	1.78E-06	1.62E-06	7.37E-07	1.17E-06	3.15E-08	7.62E-07	1.68E-07	2.42E-07	3.84E-07	6.77E-08	7.74E-08	1.73E-06
2204	495011.06	3859801.99	2.71E-03	2.93E-03	4.67E-03	9.39E-07	2.84E-06	1.64E-06	1.77E-06	1.61E-06	7.33E-07	1.17E-06	3.14E-08	7.58E-07	1.67E-07	2.41E-07	3.82E-07	6.73E-08	7.70E-08	1.72E-06
2205	495061.06	3859801.99	2.70E-03	2.92E-03	4.65E-03	9.35E-07	2.82E-06	1.63E-06	1.77E-06	1.60E-06	7.30E-07	1.16E-06	3.12E-08	7.54E-07	1.66E-07	2.40E-07	3.80E-07	6.70E-08	7.67E-08	1.72E-06
2206	495111.06	3859801.99	2.68E-03	2.90E-03	4.62E-03	9.29E-07	2.81E-06	1.62E-06	1.75E-06	1.59E-06	7.25E-07	1.16E-06	3.10E-08	7.49E-07	1.65E-07	2.38E-07	3.78E-07	6.66E-08	7.62E-08	1.70E-06
2207	495161.06	3859801.99	2.67E-03	2.88E-03	4.59E-03	9.23E-07	2.79E-06	1.61E-06	1.74E-06	1.58E-06	7.21E-07	1.15E-06	3.08E-08	7.45E-07	1.64E-07	2.37E-07	3.75E-07	6.61E-08	7.57E-08	1.69E-06
2208	495211.06	3859801.99	2.66E-03	2.87E-03	4.57E-03	9.19E-07	2.78E-06	1.61E-06	1.73E-06	1.57E-06	7.18E-07	1.14E-06	3.07E-08	7.41E-07	1.64E-07	2.36E-07	3.74E-07	6.59E-08	7.54E-08	1.69E-06
2209	495261.06	3859801.99	2.64E-03	2.85E-03	4.54E-03	9.13E-07	2.76E-06	1.60E-06	1.72E-06	1.56E-06	7.13E-07	1.14E-06	3.05E-08	7.36E-07	1.62E-07	2.34E-07	3.71E-07	6.54E-08	7.49E-08	1.67E-06
2210	495311.06	3859801.99	2.63E-03	2.84E-03	4.52E-03	9.09E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.10E-07	1.13E-06	3.04E-08	7.33E-07	1.62E-07	2.33E-07	3.70E-07	6.51E-08	7.46E-08	1.67E-06
2211	495361.06	3859801.99	2.61E-03	2.82E-03	4.49E-03	9.04E-07	2.73E-06	1.58E-06	1.71E-06	1.55E-06	7.06E-07	1.12E-06	3.02E-08	7.29E-07	1.61E-07	2.32E-07	3.67E-07	6.47E-08	7.41E-08	1.66E-06
2212	495411.06	3859801.99	2.59E-03	2.80E-03	4.46E-03	8.97E-07	2.71E-06	1.57E-06	1.69E-06	1.53E-06	7.00E-07	1.12E-06	3.00E-08	7.24E-07	1.60E-07	2.30E-07	3.65E-07	6.43E-08	7.36E-08	1.65E-06
2213	495461.06	3859801.99	2.58E-03	2.78E-03	4.43E-03	8.92E-07	2.69E-06	1.56E-06	1.68E-06	1.53E-06	6.96E-07	1.11E-06	2.98E-08	7.19E-07	1.59E-07	2.29E-07	3.63E-07	6.39E-08	7.32E-08	1.64E-06
2214	495511.06	3859801.99	2.55E-03	2.76E-03	4.39E-03	8.84E-07	2.67E-06	1.54E-06	1.67E-06	1.51E-06	6.90E-07	1.10E-06	2.95E-08	7.13E-07	1.57E-07	2.26E-07	3.59E-07	6.33E-08	7.25E-08	1.62E-06
2215	495561.06	3859801.99	2.54E-03	2.74E-03	4.37E-03	8.79E-07	2.65E-06	1.54E-06	1.66E-06	1.50E-06	6.87E-07	1.09E-06	2.94E-08	7.09E-07	1.57E-07	2.25E-07	3.57E-07	6.30E-08	7.22E-08	1.61E-06
2216	495611.06	3859801.99	2.53E-03	2.74E-03	4.36E-03	8.77E-07	2.65E-06	1.53E-06	1.66E-06	1.50E-06	6.85E-07	1.09E-06	2.93E-08	7.08E-07	1.56E-07	2.25E-07	3.57E-07	6.29E-08	7.20E-08	1.61E-06
2217	495661.06	3859801.99	2.51E-03	2.71E-03	4.33E-03	8.70E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.79E-07	1.08E-06	2.91E-08	7.02E-07	1.55E-07	2.23E-07	3.54E-07	6.23E-08	7.14E-08	1.60E-06
2218	494311.06	3859851.99	2.88E-03	3.11E-03	4.95E-03	9.98E-07	3.01E-06	1.75E-06	1.88E-06	1.71E-06	7.79E-07	1.24E-06	3.33E-08	8.05E-07	1.78E-07	2.56E-07	4.06E-07	7.15E-08	8.18E-08	1.83E-06
2219	494361.06	3859851.99	2.87E-03	3.10E-03	4.92E-03	9.92E-07	3.00E-06	1.73E-06	1.87E-06	1.70E-06	7.75E-07	1.23E-06	3.31E-08	8.00E-07	1.77E-07	2.54E-07	4.03E-07	7.11E-08	8.13E-08	1.82E-06
2220	494411.06	3859851.99	2.85E-03	3.07E-03	4.89E-03	9.85E-07	2.98E-06	1.72E-06	1.86E-06	1.69E-06	7.69E-07	1.22E-06	3.29E-08	7.95E-07	1.75E-07	2.52E-07	4.01E-07	7.06E-08	8.07E-08	1.81E-06
2221	494461.06	3859851.99	2.83E-03	3.06E-03	4.86E-03	9.80E-07	2.96E-06	1.71E-06	1.85E-06	1.68E-06	7.65E-07	1.22E-06	3.27E-08	7.90E-07	1.74E-07	2.51E-07	3.98E-07	7.02E-08	8.03E-08	1.80E-06
2222	494511.06	3859851.99	2.83E-03	3.05E-03	4.85E-03	9.78E-07	2.95E-06	1.71E-06	1.85E-06	1.67E-06	7.64E-07	1.22E-06	3.27E-08	7.89E-07	1.74E-07	2.51E-07	3.98E-07	7.01E-08	8.01E-08	1.79E-06
2223	494561.06	3859851.99	2.82E-03	3.05E-03	4.85E-03	9.77E-07	2.95E-06	1.71E-06	1.84E-06	1.67E-06	7.63E-07	1.21E-06	3.26E-08	7.88E-07	1.74E-07	2.50E-07	3.97E-07	7.00E-08	8.01E-08	1.79E-06
2224	494611.06	3859851.99	2.79E-03	3.02E-03	4.80E-03	9.67E-07	2.92E-06	1.69E-06	1.83E-06	1.65E-06	7.55E-07	1.20E-06	3.23E-08	7.80E-07	1.72E-07	2.48E-07	3.93E-07	6.93E-08	7.92E-08	1.77E-06
2225	494661.06	3859851.99	2.79E-03	3.01E-03	4.79E-03	9.65E-07	2.91E-06	1.69E-06	1.82E-06	1.65E-06	7.53E-07	1.20E-06	3.22E-08	7.78E-07	1.72E-07	2.47E-07	3.92E-07	6.91E-08	7.90E-08	1.77E-06
2226	494711.06	3859851.99	2.76E-03	2.98E-03	4.75E-03	9.57E-07	2.89E-06	1.67E-06	1.81E-06	1.64E-06	7.47E-07	1.19E-06	3.19E-08	7.72E-07	1.70E-07	2.45E-07	3.89E-07	6.85E-08	7.84E-08	1.75E-06
2227	494761.06	3859851.99	2.76E-03	2.98E-03	4.75E-03	9.56E-07	2.89E-06	1.67E-06	1.80E-06	1.64E-06	7.46E-07	1.19E-06	3.19E-08	7.71E-07	1.70E-07	2.45E-07	3.89E-07	6.85E-08	7.83E-08	1.75E-06
2228	494811.06	3859851.99	2.75E-03	2.97E-03	4.72E-03	9.51E-07	2.87E-06	1.66E-06	1.79E-06	1.63E-06	7.42E-07	1.18E-06	3.18E-08	7.67E-07	1.69E-07	2.44E-07	3.87E-07	6.81E-08	7.79E-08	1.74E-06
2229	494861.06	3859851.99	2.74E-03	2.96E-03	4.70E-03	9.48E-07	2.86E-06	1.66E-06	1.79E-06	1.62E-06	7.40E-07	1.18E-06	3.16E-08	7.64E-07	1.69E-07	2.43E-07	3.85E-07	6.79E-08	7.77E-08	1.74E-06
2230	494911.06	3859851.99	2.72E-03	2.94E-03	4.68E-03	9.42E-07	2.84E-06	1.65E-06	1.78E-06	1.61E-06	7.35E-07	1.17E-06	3.14E-08	7.60E-07	1.68E-07	2.41E-07	3.83E-07	6.75E-08	7.72E-08	1.73E-06
2231	494961.06	3859851.99	2.71E-03	2.92E-03	4.65E-03	9.37E-07	2.83E-06	1.64E-06	1.77E-06	1.60E-06	7.32E-07	1.16E-06	3.13E-08	7.56E-07	1.67E-07	2.40E-07	3.81E-07	6.71E-08	7.68E-08	1.72E-06
2232	495011.06	3859851.99	2.69E-03	2.91E-03	4.63E-03	9.32E-07	2.82E-06	1.63E-06	1.76E-06	1.60E-06	7.28E-07	1.16E-06	3.11E-08	7.52E-07	1.66E-07	2.39E-07	3.79E-07	6.68E-08	7.64E-08	1.71E-06
2233	495061.06	3859851.99	2.68E-03	2.90E-03	4.61E-03	9.28E-07	2.80E-06	1.62E-06	1.75E-06	1.59E-06	7.25E-07	1.15E-06	3.10E-08	7.49E-07	1.65E-07	2.38E-07	3.77E-07	6.65E-08	7.61E-08	1.70E-06
2234	495111.06	3859851.99	2.66E-03	2.88E-03	4.58E-03	9.22E-07	2.78E-06	1.61E-06	1.74E-06	1.58E-06	7.20E-07	1.15E-06	3.08E-08	7.44E-07	1.64E-07	2.36E-07	3.75E-07	6.61E-08	7.56E-08	1.69E-06
2235	495161.06	3859851.99	2.65E-03	2.86E-03	4.56E-03	9.17E-07	2.77E-06	1.60E-06	1.73E-06	1.57E-06	7.16E-07	1.14E-06	3.06E-08	7.40E-07	1.63E-07	2.35E-07	3.73E-07	6.57E-08	7.52E-08	1.68E-06

2236	495211.06	3859851.99	2.64E-03	2.85E-03	4.53E-03	9.12E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.12E-07	1.13E-06	3.05E-08	7.36E-07	1.62E-07	2.34E-07	3.71E-07	6.54E-08	7.48E-08	1.67E-06
2237	495261.06	3859851.99	2.62E-03	2.83E-03	4.51E-03	9.07E-07	2.74E-06	1.59E-06	1.71E-06	1.55E-06	7.08E-07	1.13E-06	3.03E-08	7.32E-07	1.61E-07	2.32E-07	3.69E-07	6.50E-08	7.44E-08	1.66E-06
2238	495311.06	3859851.99	2.61E-03	2.82E-03	4.49E-03	9.03E-07	2.73E-06	1.58E-06	1.70E-06	1.55E-06	7.05E-07	1.12E-06	3.02E-08	7.29E-07	1.61E-07	2.31E-07	3.67E-07	6.47E-08	7.41E-08	1.66E-06
2239	495361.06	3859851.99	2.60E-03	2.80E-03	4.46E-03	8.99E-07	2.71E-06	1.57E-06	1.70E-06	1.54E-06	7.02E-07	1.12E-06	3.00E-08	7.25E-07	1.60E-07	2.30E-07	3.65E-07	6.44E-08	7.37E-08	1.65E-06
2240	495411.06	3859851.99	2.58E-03	2.78E-03	4.43E-03	8.93E-07	2.70E-06	1.56E-06	1.68E-06	1.53E-06	6.97E-07	1.11E-06	2.98E-08	7.20E-07	1.59E-07	2.29E-07	3.63E-07	6.40E-08	7.32E-08	1.64E-06
2241	495461.06	3859851.99	2.56E-03	2.77E-03	4.41E-03	8.87E-07	2.68E-06	1.55E-06	1.67E-06	1.52E-06	6.92E-07	1.10E-06	2.96E-08	7.15E-07	1.58E-07	2.27E-07	3.60E-07	6.35E-08	7.27E-08	1.63E-06
2242	495511.06	3859851.99	2.54E-03	2.75E-03	4.37E-03	8.80E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.87E-07	1.09E-06	2.94E-08	7.10E-07	1.57E-07	2.26E-07	3.58E-07	6.31E-08	7.22E-08	1.61E-06
2243	495561.06	3859851.99	2.53E-03	2.73E-03	4.36E-03	8.77E-07	2.65E-06	1.53E-06	1.65E-06	1.50E-06	6.84E-07	1.09E-06	2.93E-08	7.07E-07	1.56E-07	2.25E-07	3.56E-07	6.28E-08	7.19E-08	1.61E-06
2244	495611.06	3859851.99	2.52E-03	2.72E-03	4.34E-03	8.73E-07	2.64E-06	1.53E-06	1.65E-06	1.49E-06	6.81E-07	1.09E-06	2.91E-08	7.04E-07	1.55E-07	2.24E-07	3.55E-07	6.25E-08	7.16E-08	1.60E-06
2245	495661.06	3859851.99	2.50E-03	2.70E-03	4.31E-03	8.66E-07	2.62E-06	1.51E-06	1.64E-06	1.48E-06	6.76E-07	1.08E-06	2.89E-08	6.99E-07	1.54E-07	2.22E-07	3.52E-07	6.21E-08	7.11E-08	1.59E-06
2246	494311.06	3859901.99	2.84E-03	3.07E-03	4.89E-03	9.85E-07	2.97E-06	1.72E-06	1.86E-06	1.68E-06	7.69E-07	1.22E-06	3.29E-08	7.94E-07	1.75E-07	2.52E-07	4.00E-07	7.05E-08	8.06E-08	1.81E-06
2247	494361.06	3859901.99	2.82E-03	3.05E-03	4.84E-03	9.76E-07	2.95E-06	1.71E-06	1.84E-06	1.67E-06	7.62E-07	1.21E-06	3.26E-08	7.88E-07	1.74E-07	2.50E-07	3.97E-07	7.00E-08	8.00E-08	1.79E-06
2248	494411.06	3859901.99	2.81E-03	3.04E-03	4.83E-03	9.74E-07	2.94E-06	1.70E-06	1.84E-06	1.67E-06	7.60E-07	1.21E-06	3.25E-08	7.85E-07	1.73E-07	2.49E-07	3.96E-07	6.97E-08	7.97E-08	1.79E-06
2249	494461.06	3859901.99	2.80E-03	3.02E-03	4.81E-03	9.69E-07	2.92E-06	1.69E-06	1.83E-06	1.66E-06	7.56E-07	1.20E-06	3.23E-08	7.81E-07	1.72E-07	2.48E-07	3.94E-07	6.94E-08	7.93E-08	1.78E-06
2250	494511.06	3859901.99	2.79E-03	3.01E-03	4.79E-03	9.65E-07	2.91E-06	1.69E-06	1.82E-06	1.65E-06	7.54E-07	1.20E-06	3.22E-08	7.79E-07	1.72E-07	2.47E-07	3.92E-07	6.92E-08	7.91E-08	1.77E-06
2251	494561.06	3859901.99	2.79E-03	3.01E-03	4.79E-03	9.65E-07	2.91E-06	1.69E-06	1.82E-06	1.65E-06	7.54E-07	1.20E-06	3.22E-08	7.79E-07	1.72E-07	2.47E-07	3.92E-07	6.92E-08	7.91E-08	1.77E-06
2252	494611.06	3859901.99	2.76E-03	2.98E-03	4.74E-03	9.56E-07	2.89E-06	1.67E-06	1.80E-06	1.63E-06	7.46E-07	1.19E-06	3.19E-08	7.71E-07	1.70E-07	2.45E-07	3.88E-07	6.85E-08	7.83E-08	1.75E-06
2253	494661.06	3859901.99	2.76E-03	2.98E-03	4.74E-03	9.55E-07	2.88E-06	1.67E-06	1.80E-06	1.63E-06	7.45E-07	1.19E-06	3.19E-08	7.70E-07	1.70E-07	2.45E-07	3.88E-07	6.84E-08	7.82E-08	1.75E-06
2254	494711.06	3859901.99	2.73E-03	2.95E-03	4.69E-03	9.45E-07	2.85E-06	1.65E-06	1.78E-06	1.62E-06	7.38E-07	1.17E-06	3.16E-08	7.63E-07	1.68E-07	2.42E-07	3.84E-07	6.77E-08	7.75E-08	1.73E-06
2255	494761.06	3859901.99	2.73E-03	2.94E-03	4.68E-03	9.43E-07	2.85E-06	1.65E-06	1.78E-06	1.61E-06	7.36E-07	1.17E-06	3.15E-08	7.61E-07	1.68E-07	2.42E-07	3.83E-07	6.76E-08	7.73E-08	1.73E-06
2256	494811.06	3859901.99	2.72E-03	2.94E-03	4.67E-03	9.42E-07	2.84E-06	1.65E-06	1.78E-06	1.61E-06	7.35E-07	1.17E-06	3.14E-08	7.59E-07	1.68E-07	2.41E-07	3.83E-07	6.75E-08	7.71E-08	1.73E-06
2257	494861.06	3859901.99	2.71E-03	2.93E-03	4.66E-03	9.38E-07	2.83E-06	1.64E-06	1.77E-06	1.60E-06	7.32E-07	1.17E-06	3.13E-08	7.57E-07	1.67E-07	2.40E-07	3.81E-07	6.72E-08	7.69E-08	1.72E-06
2258	494911.06	3859901.99	2.69E-03	2.91E-03	4.63E-03	9.32E-07	2.82E-06	1.63E-06	1.76E-06	1.60E-06	7.28E-07	1.16E-06	3.11E-08	7.52E-07	1.66E-07	2.39E-07	3.79E-07	6.68E-08	7.64E-08	1.71E-06
2259	494961.06	3859901.99	2.68E-03	2.90E-03	4.61E-03	9.29E-07	2.80E-06	1.62E-06	1.75E-06	1.59E-06	7.25E-07	1.15E-06	3.10E-08	7.49E-07	1.65E-07	2.38E-07	3.78E-07	6.65E-08	7.61E-08	1.70E-06
2260	495011.06	3859901.99	2.67E-03	2.88E-03	4.58E-03	9.24E-07	2.79E-06	1.61E-06	1.74E-06	1.58E-06	7.21E-07	1.15E-06	3.08E-08	7.45E-07	1.64E-07	2.37E-07	3.75E-07	6.62E-08	7.57E-08	1.69E-06
2261	495061.06	3859901.99	2.65E-03	2.87E-03	4.56E-03	9.19E-07	2.77E-06	1.61E-06	1.73E-06	1.57E-06	7.17E-07	1.14E-06	3.07E-08	7.41E-07	1.64E-07	2.35E-07	3.74E-07	6.58E-08	7.53E-08	1.69E-06
2262	495111.06	3859901.99	2.64E-03	2.85E-03	4.53E-03	9.13E-07	2.76E-06	1.60E-06	1.72E-06	1.56E-06	7.13E-07	1.13E-06	3.05E-08	7.36E-07	1.63E-07	2.34E-07	3.71E-07	6.54E-08	7.48E-08	1.67E-06
2263	495161.06	3859901.99	2.62E-03	2.83E-03	4.51E-03	9.08E-07	2.74E-06	1.59E-06	1.71E-06	1.55E-06	7.09E-07	1.13E-06	3.03E-08	7.32E-07	1.62E-07	2.33E-07	3.69E-07	6.50E-08	7.44E-08	1.66E-06
2264	495211.06	3859901.99	2.61E-03	2.82E-03	4.49E-03	9.04E-07	2.73E-06	1.58E-06	1.71E-06	1.55E-06	7.06E-07	1.12E-06	3.02E-08	7.29E-07	1.61E-07	2.32E-07	3.68E-07	6.48E-08	7.41E-08	1.66E-06
2265	495261.06	3859901.99	2.59E-03	2.80E-03	4.46E-03	8.98E-07	2.71E-06	1.57E-06	1.69E-06	1.54E-06	7.01E-07	1.12E-06	3.00E-08	7.24E-07	1.60E-07	2.30E-07	3.65E-07	6.43E-08	7.36E-08	1.65E-06
2266	495311.06	3859901.99	2.58E-03	2.79E-03	4.44E-03	8.95E-07	2.70E-06	1.56E-06	1.69E-06	1.53E-06	6.99E-07	1.11E-06	2.99E-08	7.22E-07	1.59E-07	2.29E-07	3.64E-07	6.41E-08	7.34E-08	1.64E-06
2267	495361.06	3859901.99	2.57E-03	2.78E-03	4.42E-03	8.90E-07	2.69E-06	1.56E-06	1.68E-06	1.52E-06	6.95E-07	1.11E-06	2.97E-08	7.18E-07	1.58E-07	2.28E-07	3.62E-07	6.38E-08	7.30E-08	1.63E-06
2268	495411.06	3859901.99	2.55E-03	2.76E-03	4.39E-03	8.84E-07	2.67E-06	1.55E-06	1.67E-06	1.51E-06	6.90E-07	1.10E-06	2.95E-08	7.13E-07	1.57E-07	2.27E-07	3.59E-07	6.33E-08	7.25E-08	1.62E-06
2269	495461.06	3859901.99	2.54E-03	2.74E-03	4.37E-03	8.79E-07	2.65E-06	1.54E-06	1.66E-06	1.50E-06	6.86E-07	1.09E-06	2.94E-08	7.09E-07	1.56E-07	2.25E-07	3.57E-07	6.30E-08	7.21E-08	1.61E-06
2270	495511.06	3859901.99	2.53E-03	2.73E-03	4.35E-03	8.75E-07	2.64E-06	1.53E-06	1.65E-06	1.50E-06	6.83E-07	1.09E-06	2.92E-08	7.06E-07	1.56E-07	2.24E-07	3.56E-07	6.27E-08	7.18E-08	1.61E-06
2271	495561.06	3859901.99	2.52E-03	2.72E-03	4.33E-03	8.72E-07	2.63E-06	1.52E-06	1.65E-06	1.49E-06	6.81E-07	1.08E-06	2.91E-08	7.03E-07	1.55E-07	2.23E-07	3.54E-07	6.25E-08	7.15E-08	1.60E-06
2272	495611.06	3859901.99	2.50E-03	2.70E-03	4.30E-03	8.66E-07	2.62E-06	1.51E-06	1.63E-06	1.48E-06	6.76E-07	1.08E-06	2.89E-08	6.99E-07	1.54E-07	2.22E-07	3.52E-07	6.21E-08	7.10E-08	1.59E-06
2273	495661.06	3859901.99	2.48E-03	2.68E-03	4.27E-03	8.60E-07	2.60E-06	1.50E-06	1.62E-06	1.47E-06	6.72E-07	1.07E-06	2.87E-08	6.94E-07	1.53E-07	2.20E-07	3.50E-07	6.16E-08	7.06E-08	1.58E-06
2274	494311.06	3859951.99	2.81E-03	3.03E-03	4.82E-03	9.72E-07	2.93E-06	1.70E-06	1.83E-06	1.66E-06	7.59E-07	1.21E-06	3.25E-08	7.84E-07	1.73E-07	2.49E-07	3.95E-07	6.96E-08	7.96E-08	1.78E-06
2275	494361.06	3859951.99	2.79E-03	3.01E-03	4.79E-03	9.66E-07	2.92E-06	1.69E-06	1.82E-06	1.65E-06	7.54E-07	1.20E-06	3.23E-08	7.79E-07	1.72E-07	2.48E-07	3.93E-07	6.92E-08	7.91E-08	1.77E-06
2276	494411.06	3859951.99	2.78E-03	3.00E-03	4.77E-03	9.61E-07	2.90E-06	1.68E-06	1.81E-06	1.64E-06	7.50E-07	1.19E-06	3.21E-08	7.75E-07	1.71E-07	2.46E-07	3.91E-07	6.88E-08	7.87E-08	1.76E-06
2277	494461.06	3859951.99	2.76E-03	2.98E-03	4.74E-03	9.56E-07	2.89E-06	1.67E-06	1.80E-06	1.64E-06	7.47E-07	1.19E-06	3.19E-08	7.71E-07	1.70E-07	2.45E-07	3.89E-07	6.85E-08	7.83E-08	1.75E-06
2278	494511.06	3859951.99	2.75E-03	2.97E-03	4.73E-03	9.53E-07	2.88E-06	1.67E-06	1.80E-06	1.63E-06	7.44E-07	1.18E-06	3.18E-08	7.69E-07	1.70E-07	2.44E-07	3.87E-07	6.83E-08	7.81E-08	1.75E-06
2279	494561.06	3859951.99	2.75E-03	2.97E-03	4.73E-03	9.53E-07	2.88E-06	1.67E-06	1.80E-06	1.63E-06	7.44E-07	1.18E-06	3.18E-08	7.69E-07	1.70E-07	2.44E-07	3.88E-07	6.83E-08	7.81E-08	1.75E-06
2280	494611.06	3859951.99	2.73E-03	2.95E-03	4.69E-03	9.46E-07	2.86E-06	1.65E-06	1.78E-06	1.62E-06	7.38E-07	1.17E-06	3.16E-08	7.63E-07	1.68E-07	2.42E-07	3.84E-07	6.77E-08	7.75E-08	1.73E-06
2281	494661.06	3859951.99	2.73E-03	2.94E-03	4.68E-03	9.44E-07	2.85E-06	1.65E-06	1.78E-06	1.62E-06	7.37E-07	1.17E-06	3.15E-08	7.62E-07	1.68E-07	2.42E-07	3.84E-07	6.76E-08	7.73E-08	1.73E-06
2282	494711.06	3859951.99	2.71E-03	2.92E-03	4.65E-03	9.37E-07	2.83E-06	1.64E-06	1.77E-06	1.60E-06	7.31E-07	1.16E-06	3.13E-08	7.56E-07	1.67E-07	2.40E-07	3.81E-07	6.71E-08	7.67E-08	1.72E-06
2283	494761.06	3859951.99	2.70E-03	2.91E-03	4.63E-03	9.34E-07	2.82E-06	1.63E-06	1.76E-06	1.60E-06	7.29E-07	1.16E-06	3.12E-08	7.53E-07	1.66E-07	2.39E-07	3.79E-07	6.69E-08	7.65E-08	1.71E-06
2284	494811.06	3859951.99	2.69E-03	2.90E-03	4.61E-03	9.30E-07	2.81E-06	1.63E-06	1.76E-06	1.59E-06	7.26E-07	1.15E-06	3.11E-08	7.50E-07	1.66E-07	2.38E-07	3.78E-07	6.66E-08	7.62E-08	1.71E-06
2285	494861.06	3859951.99	2.68E-03	2.89E-03	4.60E-03	9.28E-07	2.80E-06	1.62E-06	1.75E-06	1.59E-06	7.24E-07	1.15E-06	3.10E-08	7.48E-07	1.65E-07	2.38E-07	3.77E-07	6.64E-08	7.60E-08	1.70E-06
2286	494911.06	3859951.99	2.66E-03	2.88E-03	4.58E-03	9.22E-07	2.78E-06	1.61E-06	1.74E-06	1.58E-06	7.20E-07	1.15E-06	3.08E-08	7.44E-07	1.64E-07	2.36E-07	3.75E-07	6.61E-08	7.55E-08	1.69E-06
2287	494961.06	3859951.99	2.65E-03	2.86E-03	4.55E-03	9.17E-07	2.77E-06	1.60E-06	1.73E-06	1.57E-06	7.16E-07	1.14E-06	3.06E-08	7.40E-07	1.63E-07	2.35E-07	3.73E-07	6.57E-08	7.51E-08	1.68E-06
2288	495011.06	3859951.99	2.64E-03	2.85E-03	4.53E-03	9.12E-07	2.76E-06	1.59E-06	1.72E-06	1.56E-06	7.12E-07	1.13E-06	3.05E-08	7.36E-07	1.62E-07	2.34E-07	3.71E-07	6.54E-08	7.48E-08	1.67E-06
2289	495061.06	3859951.99	2.62E-03	2.83E-03	4.51E-03	9.09E-07	2.74E-06	1.59E-06	1.71E-06	1.55E-06	7.09E-07	1.13E-06	3.03E-08	7.33E-07	1.62E-07	2.33E-07	3.69E-07	6.51E-08	7.45E-08	1.67E-06
2290	495111.06	3859951.99	2.61E-03	2.82E-03	4.48E-03	9.03E-07	2.73E-06	1.58E-06	1.70E-06	1.55E-06	7.05E-07	1.12E-06	3.02E-08	7.28E-07	1.61E-07	2.31E-07	3.67E-07	6.47E-08	7.40E-08	1.66E-06
2291	495161.06	3859951.99	2.59E-03	2.80E-03	4.46E-03	8.98E-07	2.71E-06	1.57E-06	1.69E-06	1.54E-06	7.01E-07	1.12E-06	3.00E-08	7.24E-07	1.60E-07	2.30E-07	3.65E-07	6.43E-08	7.36E-08	1.65E-06
2292	495211.06	3859951.99	2.58E-03	2.78E-03	4.43E-03	8.93E-07	2.70E-06	1.56E-06	1.68E-06	1.53E-06	6.97E-07	1.11E-06	2.98E-08	7.20E-07	1.59E-07	2.29E-07	3.63E-07	6.40E-08	7.32E-08	1.64E-06
2293	495261.06	3859951.99	2.57E-03	2.77E-03	4.41E-03	8.88E-07	2.68E-06	1.55E-06	1.68E-06	1.52E-06	6.94E-07	1.10E-06	2.97E-08	7.17E-07	1.58E-07	2.28E-07	3.61E-07	6.36E-08	7.28E-08	1.63E-06
2294	495311.06	3859951.99	2.56E-03	2.76E-03	4.40E-03	8.86E-07	2.67E-06	1.55E-06	1.67E-06	1.52E-06	6.91E-07	1.10E-06	2.96E-08	7.14E-07	1.58E-07	2.27E-07	3.60E-07	6.35E-08	7.26E-08	1.62E-06

2295	495361.06	3859951.99	2.55E-03	2.75E-03	4.38E-03	8.82E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.88E-07	1.10E-06	2.94E-08	7.11E-07	1.57E-07	2.26E-07	3.58E-07	6.32E-08	7.23E-08	1.62E-06
2296	495411.06	3859951.99	2.53E-03	2.73E-03	4.35E-03	8.76E-07	2.65E-06	1.53E-06	1.65E-06	1.50E-06	6.84E-07	1.09E-06	2.93E-08	7.07E-07	1.56E-07	2.25E-07	3.56E-07	6.28E-08	7.18E-08	1.61E-06
2297	495461.06	3859951.99	2.52E-03	2.72E-03	4.33E-03	8.72E-07	2.63E-06	1.52E-06	1.65E-06	1.49E-06	6.81E-07	1.08E-06	2.91E-08	7.03E-07	1.55E-07	2.23E-07	3.54E-07	6.25E-08	7.15E-08	1.60E-06
2298	495511.06	3859951.99	2.50E-03	2.70E-03	4.31E-03	8.67E-07	2.62E-06	1.52E-06	1.64E-06	1.48E-06	6.77E-07	1.08E-06	2.89E-08	6.99E-07	1.54E-07	2.22E-07	3.52E-07	6.21E-08	7.11E-08	1.59E-06
2299	495561.06	3859951.99	2.50E-03	2.70E-03	4.29E-03	8.65E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.75E-07	1.07E-06	2.89E-08	6.98E-07	1.54E-07	2.22E-07	3.52E-07	6.20E-08	7.09E-08	1.59E-06
2300	495611.06	3859951.99	2.48E-03	2.68E-03	4.27E-03	8.60E-07	2.60E-06	1.50E-06	1.62E-06	1.47E-06	6.71E-07	1.07E-06	2.87E-08	6.93E-07	1.53E-07	2.20E-07	3.49E-07	6.16E-08	7.05E-08	1.58E-06
2301	495661.06	3859951.99	2.47E-03	2.66E-03	4.24E-03	8.53E-07	2.58E-06	1.49E-06	1.61E-06	1.46E-06	6.66E-07	1.06E-06	2.85E-08	6.88E-07	1.52E-07	2.19E-07	3.47E-07	6.11E-08	7.00E-08	1.57E-06
2302	494311.06	3860001.99	2.77E-03	2.99E-03	4.75E-03	9.58E-07	2.89E-06	1.68E-06	1.81E-06	1.64E-06	7.48E-07	1.19E-06	3.20E-08	7.73E-07	1.71E-07	2.46E-07	3.90E-07	6.86E-08	7.85E-08	1.76E-06
2303	494361.06	3860001.99	2.76E-03	2.97E-03	4.73E-03	9.54E-07	2.88E-06	1.67E-06	1.80E-06	1.63E-06	7.45E-07	1.18E-06	3.19E-08	7.69E-07	1.70E-07	2.44E-07	3.88E-07	6.83E-08	7.81E-08	1.75E-06
2304	494411.06	3860001.99	2.74E-03	2.96E-03	4.70E-03	9.48E-07	2.86E-06	1.66E-06	1.79E-06	1.62E-06	7.40E-07	1.18E-06	3.16E-08	7.64E-07	1.69E-07	2.43E-07	3.85E-07	6.79E-08	7.76E-08	1.74E-06
2305	494461.06	3860001.99	2.73E-03	2.94E-03	4.68E-03	9.44E-07	2.85E-06	1.65E-06	1.78E-06	1.62E-06	7.37E-07	1.17E-06	3.15E-08	7.62E-07	1.68E-07	2.42E-07	3.84E-07	6.76E-08	7.73E-08	1.73E-06
2306	494511.06	3860001.99	2.71E-03	2.93E-03	4.66E-03	9.39E-07	2.84E-06	1.64E-06	1.77E-06	1.61E-06	7.33E-07	1.17E-06	3.14E-08	7.58E-07	1.67E-07	2.41E-07	3.82E-07	6.73E-08	7.69E-08	1.72E-06
2307	494561.06	3860001.99	2.72E-03	2.93E-03	4.67E-03	9.41E-07	2.84E-06	1.64E-06	1.78E-06	1.61E-06	7.34E-07	1.17E-06	3.14E-08	7.59E-07	1.67E-07	2.41E-07	3.82E-07	6.74E-08	7.70E-08	1.73E-06
2308	494611.06	3860001.99	2.70E-03	2.92E-03	4.64E-03	9.35E-07	2.82E-06	1.64E-06	1.77E-06	1.60E-06	7.30E-07	1.16E-06	3.12E-08	7.55E-07	1.66E-07	2.40E-07	3.80E-07	6.70E-08	7.66E-08	1.72E-06
2309	494661.06	3860001.99	2.69E-03	2.91E-03	4.62E-03	9.32E-07	2.81E-06	1.63E-06	1.76E-06	1.59E-06	7.27E-07	1.16E-06	3.11E-08	7.52E-07	1.66E-07	2.39E-07	3.79E-07	6.68E-08	7.63E-08	1.71E-06
2310	494711.06	3860001.99	2.67E-03	2.88E-03	4.58E-03	9.23E-07	2.79E-06	1.61E-06	1.74E-06	1.58E-06	7.20E-07	1.15E-06	3.08E-08	7.44E-07	1.64E-07	2.36E-07	3.75E-07	6.61E-08	7.56E-08	1.69E-06
2311	494761.06	3860001.99	2.66E-03	2.88E-03	4.58E-03	9.22E-07	2.78E-06	1.61E-06	1.74E-06	1.58E-06	7.20E-07	1.15E-06	3.08E-08	7.44E-07	1.64E-07	2.36E-07	3.75E-07	6.61E-08	7.55E-08	1.69E-06
2312	494811.06	3860001.99	2.66E-03	2.87E-03	4.56E-03	9.19E-07	2.78E-06	1.61E-06	1.73E-06	1.57E-06	7.17E-07	1.14E-06	3.07E-08	7.41E-07	1.64E-07	2.36E-07	3.74E-07	6.58E-08	7.53E-08	1.69E-06
2313	494861.06	3860001.99	2.65E-03	2.86E-03	4.55E-03	9.17E-07	2.77E-06	1.60E-06	1.73E-06	1.57E-06	7.15E-07	1.14E-06	3.06E-08	7.39E-07	1.63E-07	2.35E-07	3.73E-07	6.57E-08	7.51E-08	1.68E-06
2314	494911.06	3860001.99	2.62E-03	2.83E-03	4.51E-03	9.08E-07	2.74E-06	1.59E-06	1.71E-06	1.55E-06	7.09E-07	1.13E-06	3.03E-08	7.32E-07	1.62E-07	2.33E-07	3.69E-07	6.50E-08	7.44E-08	1.67E-06
2315	494961.06	3860001.99	2.62E-03	2.82E-03	4.49E-03	9.05E-07	2.73E-06	1.58E-06	1.71E-06	1.55E-06	7.07E-07	1.12E-06	3.02E-08	7.30E-07	1.61E-07	2.32E-07	3.68E-07	6.49E-08	7.42E-08	1.66E-06
2316	495011.06	3860001.99	2.60E-03	2.81E-03	4.47E-03	9.00E-07	2.72E-06	1.57E-06	1.70E-06	1.54E-06	7.03E-07	1.12E-06	3.01E-08	7.26E-07	1.60E-07	2.31E-07	3.66E-07	6.45E-08	7.38E-08	1.65E-06
2317	495061.06	3860001.99	2.59E-03	2.80E-03	4.46E-03	8.98E-07	2.71E-06	1.57E-06	1.69E-06	1.54E-06	7.01E-07	1.12E-06	3.00E-08	7.24E-07	1.60E-07	2.30E-07	3.65E-07	6.43E-08	7.36E-08	1.65E-06
2318	495111.06	3860001.99	2.58E-03	2.79E-03	4.43E-03	8.93E-07	2.70E-06	1.56E-06	1.69E-06	1.53E-06	6.97E-07	1.11E-06	2.98E-08	7.20E-07	1.59E-07	2.29E-07	3.63E-07	6.40E-08	7.32E-08	1.64E-06
2319	495161.06	3860001.99	2.56E-03	2.77E-03	4.41E-03	8.88E-07	2.68E-06	1.55E-06	1.68E-06	1.52E-06	6.93E-07	1.10E-06	2.96E-08	7.16E-07	1.58E-07	2.28E-07	3.61E-07	6.36E-08	7.27E-08	1.63E-06
2320	495211.06	3860001.99	2.56E-03	2.76E-03	4.39E-03	8.85E-07	2.67E-06	1.55E-06	1.67E-06	1.51E-06	6.91E-07	1.10E-06	2.96E-08	7.14E-07	1.58E-07	2.27E-07	3.60E-07	6.34E-08	7.25E-08	1.62E-06
2321	495261.06	3860001.99	2.54E-03	2.75E-03	4.37E-03	8.81E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.87E-07	1.09E-06	2.94E-08	7.10E-07	1.57E-07	2.26E-07	3.58E-07	6.31E-08	7.22E-08	1.62E-06
2322	495311.06	3860001.99	2.53E-03	2.74E-03	4.35E-03	8.77E-07	2.65E-06	1.53E-06	1.66E-06	1.50E-06	6.85E-07	1.09E-06	2.93E-08	7.07E-07	1.56E-07	2.25E-07	3.56E-07	6.28E-08	7.19E-08	1.61E-06
2323	495361.06	3860001.99	2.51E-03	2.71E-03	4.32E-03	8.70E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.79E-07	1.08E-06	2.91E-08	7.02E-07	1.55E-07	2.23E-07	3.54E-07	6.24E-08	7.13E-08	1.60E-06
2324	495411.06	3860001.99	2.51E-03	2.71E-03	4.31E-03	8.68E-07	2.62E-06	1.52E-06	1.64E-06	1.49E-06	6.78E-07	1.08E-06	2.90E-08	7.00E-07	1.55E-07	2.23E-07	3.53E-07	6.22E-08	7.12E-08	1.59E-06
2325	495461.06	3860001.99	2.50E-03	2.70E-03	4.29E-03	8.64E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.75E-07	1.07E-06	2.89E-08	6.97E-07	1.54E-07	2.21E-07	3.51E-07	6.19E-08	7.08E-08	1.59E-06
2326	495511.06	3860001.99	2.48E-03	2.68E-03	4.27E-03	8.60E-07	2.60E-06	1.50E-06	1.62E-06	1.47E-06	6.71E-07	1.07E-06	2.87E-08	6.94E-07	1.53E-07	2.20E-07	3.50E-07	6.16E-08	7.05E-08	1.58E-06
2327	495561.06	3860001.99	2.48E-03	2.67E-03	4.26E-03	8.57E-07	2.59E-06	1.50E-06	1.62E-06	1.47E-06	6.69E-07	1.07E-06	2.86E-08	6.91E-07	1.53E-07	2.20E-07	3.48E-07	6.14E-08	7.03E-08	1.57E-06
2328	495611.06	3860001.99	2.46E-03	2.66E-03	4.23E-03	8.52E-07	2.57E-06	1.49E-06	1.61E-06	1.46E-06	6.65E-07	1.06E-06	2.84E-08	6.87E-07	1.52E-07	2.18E-07	3.46E-07	6.10E-08	6.98E-08	1.56E-06
2329	495661.06	3860001.99	2.45E-03	2.64E-03	4.21E-03	8.47E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.61E-07	1.05E-06	2.83E-08	6.83E-07	1.51E-07	2.17E-07	3.44E-07	6.07E-08	6.94E-08	1.55E-06
2330	494411.06	3860051.99	2.70E-03	2.92E-03	4.64E-03	9.36E-07	2.82E-06	1.64E-06	1.77E-06	1.60E-06	7.30E-07	1.16E-06	3.12E-08	7.55E-07	1.67E-07	2.40E-07	3.80E-07	6.70E-08	7.66E-08	1.72E-06
2331	494461.06	3860051.99	2.69E-03	2.90E-03	4.62E-03	9.31E-07	2.81E-06	1.63E-06	1.76E-06	1.59E-06	7.27E-07	1.16E-06	3.11E-08	7.51E-07	1.66E-07	2.39E-07	3.79E-07	6.67E-08	7.63E-08	1.71E-06
2332	494511.06	3860051.99	2.68E-03	2.89E-03	4.60E-03	9.27E-07	2.80E-06	1.62E-06	1.75E-06	1.59E-06	7.24E-07	1.15E-06	3.10E-08	7.48E-07	1.65E-07	2.38E-07	3.77E-07	6.64E-08	7.59E-08	1.70E-06
2333	494561.06	3860051.99	2.67E-03	2.89E-03	4.59E-03	9.26E-07	2.80E-06	1.62E-06	1.75E-06	1.58E-06	7.23E-07	1.15E-06	3.09E-08	7.47E-07	1.65E-07	2.37E-07	3.76E-07	6.63E-08	7.58E-08	1.70E-06
2334	494611.06	3860051.99	2.67E-03	2.88E-03	4.58E-03	9.23E-07	2.79E-06	1.61E-06	1.74E-06	1.58E-06	7.20E-07	1.15E-06	3.08E-08	7.44E-07	1.64E-07	2.36E-07	3.75E-07	6.61E-08	7.56E-08	1.69E-06
2335	494661.06	3860051.99	2.66E-03	2.87E-03	4.56E-03	9.19E-07	2.78E-06	1.61E-06	1.74E-06	1.57E-06	7.18E-07	1.14E-06	3.07E-08	7.42E-07	1.64E-07	2.36E-07	3.74E-07	6.59E-08	7.53E-08	1.69E-06
2336	494711.06	3860051.99	2.64E-03	2.85E-03	4.53E-03	9.13E-07	2.76E-06	1.60E-06	1.72E-06	1.56E-06	7.13E-07	1.13E-06	3.05E-08	7.37E-07	1.63E-07	2.34E-07	3.71E-07	6.54E-08	7.48E-08	1.68E-06
2337	494761.06	3860051.99	2.63E-03	2.84E-03	4.52E-03	9.10E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.11E-07	1.13E-06	3.04E-08	7.34E-07	1.62E-07	2.33E-07	3.70E-07	6.52E-08	7.46E-08	1.67E-06
2338	494811.06	3860051.99	2.62E-03	2.83E-03	4.51E-03	9.08E-07	2.74E-06	1.59E-06	1.71E-06	1.55E-06	7.09E-07	1.13E-06	3.03E-08	7.33E-07	1.62E-07	2.33E-07	3.69E-07	6.51E-08	7.44E-08	1.67E-06
2339	494861.06	3860051.99	2.62E-03	2.82E-03	4.49E-03	9.06E-07	2.73E-06	1.58E-06	1.71E-06	1.55E-06	7.07E-07	1.12E-06	3.02E-08	7.31E-07	1.61E-07	2.32E-07	3.68E-07	6.49E-08	7.42E-08	1.66E-06
2340	494911.06	3860051.99	2.60E-03	2.81E-03	4.47E-03	9.01E-07	2.72E-06	1.57E-06	1.70E-06	1.54E-06	7.03E-07	1.12E-06	3.01E-08	7.27E-07	1.60E-07	2.31E-07	3.66E-07	6.45E-08	7.38E-08	1.65E-06
2341	494961.06	3860051.99	2.59E-03	2.79E-03	4.44E-03	8.95E-07	2.70E-06	1.57E-06	1.69E-06	1.53E-06	6.99E-07	1.11E-06	2.99E-08	7.22E-07	1.59E-07	2.29E-07	3.64E-07	6.42E-08	7.33E-08	1.64E-06
2342	495011.06	3860051.99	2.57E-03	2.78E-03	4.42E-03	8.91E-07	2.69E-06	1.56E-06	1.68E-06	1.52E-06	6.95E-07	1.11E-06	2.97E-08	7.18E-07	1.59E-07	2.28E-07	3.62E-07	6.38E-08	7.30E-08	1.63E-06
2343	495061.06	3860051.99	2.56E-03	2.77E-03	4.40E-03	8.87E-07	2.68E-06	1.55E-06	1.67E-06	1.52E-06	6.92E-07	1.10E-06	2.96E-08	7.15E-07	1.58E-07	2.27E-07	3.60E-07	6.35E-08	7.26E-08	1.63E-06
2344	495111.06	3860051.99	2.55E-03	2.75E-03	4.37E-03	8.81E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.88E-07	1.09E-06	2.94E-08	7.11E-07	1.57E-07	2.26E-07	3.58E-07	6.31E-08	7.22E-08	1.62E-06
2345	495161.06	3860051.99	2.53E-03	2.74E-03	4.35E-03	8.77E-07	2.65E-06	1.53E-06	1.66E-06	1.50E-06	6.85E-07	1.09E-06	2.93E-08	7.08E-07	1.56E-07	2.25E-07	3.57E-07	6.29E-08	7.19E-08	1.61E-06
2346	495211.06	3860051.99	2.52E-03	2.72E-03	4.33E-03	8.73E-07	2.64E-06	1.53E-06	1.65E-06	1.49E-06	6.81E-07	1.08E-06	2.91E-08	7.04E-07	1.55E-07	2.24E-07	3.55E-07	6.25E-08	7.15E-08	1.60E-06
2347	495261.06	3860051.99	2.51E-03	2.71E-03	4.32E-03	8.70E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.79E-07	1.08E-06	2.90E-08	7.01E-07	1.55E-07	2.23E-07	3.53E-07	6.23E-08	7.12E-08	1.60E-06
2348	495311.06	3860051.99	2.50E-03	2.70E-03	4.30E-03	8.67E-07	2.62E-06	1.51E-06	1.64E-06	1.48E-06	6.77E-07	1.08E-06	2.89E-08	6.99E-07	1.54E-07	2.22E-07	3.52E-07	6.21E-08	7.10E-08	1.59E-06
2349	495361.06	3860051.99	2.49E-03	2.69E-03	4.28E-03	8.63E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.74E-07	1.07E-06	2.88E-08	6.96E-07	1.54E-07	2.21E-07	3.51E-07	6.18E-08	7.07E-08	1.58E-06
2350	495411.06	3860051.99	2.48E-03	2.68E-03	4.27E-03	8.59E-07	2.59E-06	1.50E-06	1.62E-06	1.47E-06	6.71E-07	1.07E-06	2.87E-08	6.93E-07	1.53E-07	2.20E-07	3.49E-07	6.16E-08	7.04E-08	1.58E-06
2351	495461.06	3860051.99	2.47E-03	2.67E-03	4.25E-03	8.55E-07	2.58E-06	1.49E-06	1.61E-06	1.46E-06	6.68E-07	1.06E-06	2.86E-08	6.90E-07	1.52E-07	2.19E-07	3.48E-07	6.13E-08	7.01E-08	1.57E-06
2352	495511.06	3860051.99	2.46E-03	2.66E-03	4.23E-03	8.52E-07	2.57E-06	1.49E-06	1.61E-06	1.46E-06	6.65E-07	1.06E-06	2.84E-08	6.87E-07	1.52E-07	2.18E-07	3.46E-07	6.10E-08	6.98E-08	1.56E-06
2353	495561.06	3860051.99	2.45E-03	2.65E-03	4.21E-03	8.48E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.62E-07	1.05E-06	2.83E-08	6.84E-07	1.51E-07	2.17E-07	3.45E-07	6.08E-08	6.95E-08	1.56E-06

2354	495611.06	3860051.99	2.44E-03	2.63E-03	4.19E-03	8.44E-07	2.55E-06	1.48E-06	1.59E-06	1.44E-06	6.59E-07	1.05E-06	2.82E-08	6.81E-07	1.50E-07	2.16E-07	3.43E-07	6.05E-08	6.92E-08	1.55E-06
2355	495661.06	3860051.99	2.42E-03	2.62E-03	4.16E-03	8.39E-07	2.53E-06	1.47E-06	1.58E-06	1.43E-06	6.55E-07	1.04E-06	2.80E-08	6.76E-07	1.49E-07	2.15E-07	3.41E-07	6.01E-08	6.87E-08	1.54E-06
2356	494411.06	3860101.99	2.66E-03	2.87E-03	4.57E-03	9.20E-07	2.78E-06	1.61E-06	1.74E-06	1.57E-06	7.19E-07	1.14E-06	3.07E-08	7.42E-07	1.64E-07	2.36E-07	3.74E-07	6.59E-08	7.54E-08	1.69E-06
2357	494461.06	3860101.99	2.65E-03	2.87E-03	4.56E-03	9.19E-07	2.77E-06	1.61E-06	1.73E-06	1.57E-06	7.17E-07	1.14E-06	3.07E-08	7.41E-07	1.64E-07	2.35E-07	3.73E-07	6.58E-08	7.52E-08	1.69E-06
2358	494511.06	3860101.99	2.64E-03	2.85E-03	4.53E-03	9.13E-07	2.76E-06	1.60E-06	1.72E-06	1.56E-06	7.13E-07	1.13E-06	3.05E-08	7.37E-07	1.63E-07	2.34E-07	3.71E-07	6.54E-08	7.48E-08	1.68E-06
2359	494561.06	3860101.99	2.63E-03	2.84E-03	4.52E-03	9.11E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.11E-07	1.13E-06	3.04E-08	7.35E-07	1.62E-07	2.33E-07	3.70E-07	6.52E-08	7.46E-08	1.67E-06
2360	494611.06	3860101.99	2.63E-03	2.84E-03	4.51E-03	9.09E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.10E-07	1.13E-06	3.04E-08	7.33E-07	1.62E-07	2.33E-07	3.70E-07	6.51E-08	7.45E-08	1.67E-06
2361	494661.06	3860101.99	2.62E-03	2.83E-03	4.50E-03	9.06E-07	2.74E-06	1.58E-06	1.71E-06	1.55E-06	7.07E-07	1.13E-06	3.03E-08	7.31E-07	1.61E-07	2.32E-07	3.68E-07	6.49E-08	7.42E-08	1.66E-06
2362	494711.06	3860101.99	2.60E-03	2.81E-03	4.47E-03	9.01E-07	2.72E-06	1.58E-06	1.70E-06	1.54E-06	7.03E-07	1.12E-06	3.01E-08	7.27E-07	1.60E-07	2.31E-07	3.66E-07	6.46E-08	7.38E-08	1.65E-06
2363	494761.06	3860101.99	2.59E-03	2.80E-03	4.46E-03	8.98E-07	2.71E-06	1.57E-06	1.69E-06	1.54E-06	7.01E-07	1.12E-06	3.00E-08	7.24E-07	1.60E-07	2.30E-07	3.65E-07	6.43E-08	7.35E-08	1.65E-06
2364	494811.06	3860101.99	2.59E-03	2.79E-03	4.44E-03	8.95E-07	2.70E-06	1.56E-06	1.69E-06	1.53E-06	6.99E-07	1.11E-06	2.99E-08	7.22E-07	1.59E-07	2.29E-07	3.64E-07	6.41E-08	7.33E-08	1.64E-06
2365	494861.06	3860101.99	2.58E-03	2.79E-03	4.44E-03	8.95E-07	2.70E-06	1.56E-06	1.69E-06	1.53E-06	6.98E-07	1.11E-06	2.99E-08	7.22E-07	1.59E-07	2.29E-07	3.64E-07	6.41E-08	7.33E-08	1.64E-06
2366	494911.06	3860101.99	2.56E-03	2.77E-03	4.40E-03	8.87E-07	2.68E-06	1.55E-06	1.67E-06	1.52E-06	6.92E-07	1.10E-06	2.96E-08	7.15E-07	1.58E-07	2.27E-07	3.60E-07	6.35E-08	7.26E-08	1.63E-06
2367	494961.06	3860101.99	2.55E-03	2.75E-03	4.38E-03	8.83E-07	2.67E-06	1.54E-06	1.67E-06	1.51E-06	6.89E-07	1.10E-06	2.95E-08	7.12E-07	1.57E-07	2.26E-07	3.59E-07	6.33E-08	7.23E-08	1.62E-06
2368	495011.06	3860101.99	2.54E-03	2.74E-03	4.36E-03	8.79E-07	2.65E-06	1.54E-06	1.66E-06	1.50E-06	6.86E-07	1.09E-06	2.93E-08	7.09E-07	1.56E-07	2.25E-07	3.57E-07	6.30E-08	7.20E-08	1.61E-06
2369	495061.06	3860101.99	2.53E-03	2.73E-03	4.34E-03	8.75E-07	2.64E-06	1.53E-06	1.65E-06	1.50E-06	6.83E-07	1.09E-06	2.92E-08	7.05E-07	1.56E-07	2.24E-07	3.56E-07	6.27E-08	7.16E-08	1.60E-06
2370	495111.06	3860101.99	2.51E-03	2.71E-03	4.31E-03	8.70E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.79E-07	1.08E-06	2.90E-08	7.01E-07	1.55E-07	2.23E-07	3.53E-07	6.23E-08	7.12E-08	1.59E-06
2371	495161.06	3860101.99	2.50E-03	2.70E-03	4.30E-03	8.66E-07	2.62E-06	1.51E-06	1.64E-06	1.48E-06	6.76E-07	1.08E-06	2.89E-08	6.99E-07	1.54E-07	2.22E-07	3.52E-07	6.21E-08	7.10E-08	1.59E-06
2372	495211.06	3860101.99	2.49E-03	2.69E-03	4.28E-03	8.63E-07	2.60E-06	1.51E-06	1.63E-06	1.48E-06	6.73E-07	1.07E-06	2.88E-08	6.96E-07	1.54E-07	2.21E-07	3.51E-07	6.18E-08	7.07E-08	1.58E-06
2373	495261.06	3860101.99	2.48E-03	2.68E-03	4.26E-03	8.59E-07	2.59E-06	1.50E-06	1.62E-06	1.47E-06	6.70E-07	1.07E-06	2.87E-08	6.93E-07	1.53E-07	2.20E-07	3.49E-07	6.15E-08	7.04E-08	1.58E-06
2374	495311.06	3860101.99	2.47E-03	2.67E-03	4.25E-03	8.56E-07	2.58E-06	1.50E-06	1.61E-06	1.46E-06	6.68E-07	1.06E-06	2.86E-08	6.90E-07	1.52E-07	2.19E-07	3.48E-07	6.13E-08	7.01E-08	1.57E-06
2375	495361.06	3860101.99	2.46E-03	2.66E-03	4.23E-03	8.53E-07	2.57E-06	1.49E-06	1.61E-06	1.46E-06	6.66E-07	1.06E-06	2.85E-08	6.88E-07	1.52E-07	2.18E-07	3.47E-07	6.11E-08	6.99E-08	1.56E-06
2376	495411.06	3860101.99	2.45E-03	2.65E-03	4.21E-03	8.49E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.63E-07	1.05E-06	2.83E-08	6.85E-07	1.51E-07	2.18E-07	3.45E-07	6.08E-08	6.96E-08	1.56E-06
2377	495461.06	3860101.99	2.44E-03	2.63E-03	4.19E-03	8.44E-07	2.55E-06	1.48E-06	1.59E-06	1.44E-06	6.59E-07	1.05E-06	2.82E-08	6.81E-07	1.50E-07	2.16E-07	3.43E-07	6.05E-08	6.92E-08	1.55E-06
2378	495511.06	3860101.99	2.43E-03	2.62E-03	4.18E-03	8.41E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.57E-07	1.05E-06	2.81E-08	6.79E-07	1.50E-07	2.16E-07	3.42E-07	6.03E-08	6.89E-08	1.54E-06
2379	495561.06	3860101.99	2.42E-03	2.62E-03	4.16E-03	8.39E-07	2.53E-06	1.47E-06	1.58E-06	1.44E-06	6.55E-07	1.04E-06	2.80E-08	6.77E-07	1.49E-07	2.15E-07	3.41E-07	6.01E-08	6.87E-08	1.54E-06
2380	495611.06	3860101.99	2.41E-03	2.60E-03	4.14E-03	8.34E-07	2.52E-06	1.46E-06	1.57E-06	1.43E-06	6.51E-07	1.04E-06	2.78E-08	6.73E-07	1.48E-07	2.14E-07	3.39E-07	5.97E-08	6.83E-08	1.53E-06
2381	495661.06	3860101.99	2.40E-03	2.59E-03	4.12E-03	8.30E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.48E-07	1.03E-06	2.77E-08	6.70E-07	1.48E-07	2.13E-07	3.38E-07	5.95E-08	6.80E-08	1.52E-06
2382	494861.06	3860151.99	2.56E-03	2.76E-03	4.40E-03	8.86E-07	2.67E-06	1.55E-06	1.67E-06	1.52E-06	6.92E-07	1.10E-06	2.96E-08	7.15E-07	1.58E-07	2.27E-07	3.60E-07	6.35E-08	7.27E-08	1.63E-06
2383	494911.06	3860151.99	2.53E-03	2.73E-03	4.34E-03	8.75E-07	2.64E-06	1.53E-06	1.65E-06	1.50E-06	6.83E-07	1.09E-06	2.92E-08	7.06E-07	1.56E-07	2.24E-07	3.56E-07	6.27E-08	7.17E-08	1.61E-06
2384	494961.06	3860151.99	2.52E-03	2.72E-03	4.32E-03	8.71E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.80E-07	1.08E-06	2.91E-08	7.03E-07	1.55E-07	2.23E-07	3.54E-07	6.24E-08	7.14E-08	1.60E-06
2385	495011.06	3860151.99	2.50E-03	2.70E-03	4.30E-03	8.67E-07	2.62E-06	1.52E-06	1.64E-06	1.48E-06	6.77E-07	1.08E-06	2.90E-08	6.99E-07	1.54E-07	2.22E-07	3.52E-07	6.21E-08	7.10E-08	1.59E-06
2386	495061.06	3860151.99	2.49E-03	2.69E-03	4.28E-03	8.63E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.74E-07	1.07E-06	2.88E-08	6.96E-07	1.54E-07	2.21E-07	3.51E-07	6.18E-08	7.07E-08	1.58E-06
2387	495111.06	3860151.99	2.48E-03	2.68E-03	4.26E-03	8.59E-07	2.59E-06	1.50E-06	1.62E-06	1.47E-06	6.71E-07	1.07E-06	2.87E-08	6.93E-07	1.53E-07	2.20E-07	3.49E-07	6.15E-08	7.04E-08	1.58E-06
2388	495161.06	3860151.99	2.47E-03	2.67E-03	4.25E-03	8.56E-07	2.58E-06	1.50E-06	1.61E-06	1.46E-06	6.68E-07	1.06E-06	2.86E-08	6.90E-07	1.52E-07	2.19E-07	3.48E-07	6.13E-08	7.01E-08	1.57E-06
2389	495211.06	3860151.99	2.46E-03	2.66E-03	4.23E-03	8.52E-07	2.57E-06	1.49E-06	1.61E-06	1.46E-06	6.65E-07	1.06E-06	2.84E-08	6.87E-07	1.52E-07	2.18E-07	3.46E-07	6.10E-08	6.98E-08	1.56E-06
2390	495261.06	3860151.99	2.45E-03	2.65E-03	4.21E-03	8.49E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.62E-07	1.05E-06	2.83E-08	6.84E-07	1.51E-07	2.17E-07	3.45E-07	6.08E-08	6.95E-08	1.56E-06
2391	495311.06	3860151.99	2.44E-03	2.64E-03	4.19E-03	8.45E-07	2.55E-06	1.48E-06	1.60E-06	1.45E-06	6.60E-07	1.05E-06	2.82E-08	6.82E-07	1.50E-07	2.17E-07	3.44E-07	6.06E-08	6.92E-08	1.55E-06
2392	495361.06	3860151.99	2.43E-03	2.63E-03	4.18E-03	8.42E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.57E-07	1.05E-06	2.81E-08	6.79E-07	1.50E-07	2.16E-07	3.42E-07	6.03E-08	6.90E-08	1.54E-06
2393	495411.06	3860151.99	2.42E-03	2.62E-03	4.16E-03	8.38E-07	2.53E-06	1.47E-06	1.58E-06	1.43E-06	6.55E-07	1.04E-06	2.80E-08	6.76E-07	1.49E-07	2.15E-07	3.41E-07	6.01E-08	6.87E-08	1.54E-06
2394	495461.06	3860151.99	2.41E-03	2.60E-03	4.14E-03	8.35E-07	2.52E-06	1.46E-06	1.58E-06	1.43E-06	6.52E-07	1.04E-06	2.79E-08	6.74E-07	1.49E-07	2.14E-07	3.39E-07	5.98E-08	6.84E-08	1.53E-06
2395	495511.06	3860151.99	2.40E-03	2.59E-03	4.13E-03	8.31E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.49E-07	1.03E-06	2.78E-08	6.71E-07	1.48E-07	2.13E-07	3.38E-07	5.96E-08	6.81E-08	1.52E-06
2396	495561.06	3860151.99	2.39E-03	2.58E-03	4.11E-03	8.28E-07	2.50E-06	1.45E-06	1.56E-06	1.42E-06	6.46E-07	1.03E-06	2.77E-08	6.68E-07	1.47E-07	2.12E-07	3.37E-07	5.93E-08	6.79E-08	1.52E-06
2397	495611.06	3860151.99	2.38E-03	2.57E-03	4.09E-03	8.24E-07	2.49E-06	1.44E-06	1.56E-06	1.41E-06	6.44E-07	1.02E-06	2.75E-08	6.65E-07	1.47E-07	2.11E-07	3.35E-07	5.91E-08	6.75E-08	1.51E-06
2398	495661.06	3860151.99	2.37E-03	2.56E-03	4.07E-03	8.20E-07	2.48E-06	1.43E-06	1.55E-06	1.40E-06	6.40E-07	1.02E-06	2.74E-08	6.62E-07	1.46E-07	2.10E-07	3.33E-07	5.88E-08	6.72E-08	1.50E-06
2399	495718.25	3859442.96	2.45E-03	2.64E-03	4.22E-03	8.47E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.62E-07	1.06E-06	2.83E-08	6.83E-07	1.51E-07	2.17E-07	3.45E-07	6.07E-08	6.96E-08	1.55E-06
2400	495818.25	3859442.96	2.40E-03	2.59E-03	4.14E-03	8.31E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.49E-07	1.04E-06	2.78E-08	6.71E-07	1.48E-07	2.13E-07	3.38E-07	5.96E-08	6.83E-08	1.53E-06
2401	495918.25	3859442.96	2.37E-03	2.56E-03	4.08E-03	8.20E-07	2.48E-06	1.43E-06	1.55E-06	1.40E-06	6.40E-07	1.02E-06	2.74E-08	6.62E-07	1.46E-07	2.10E-07	3.34E-07	5.88E-08	6.74E-08	1.50E-06
2402	496018.25	3859442.96	2.34E-03	2.53E-03	4.04E-03	8.11E-07	2.45E-06	1.42E-06	1.53E-06	1.39E-06	6.33E-07	1.01E-06	2.71E-08	6.54E-07	1.44E-07	2.08E-07	3.30E-07	5.81E-08	6.66E-08	1.49E-06
2403	496118.25	3859442.96	2.36E-03	2.55E-03	4.06E-03	8.16E-07	2.46E-06	1.43E-06	1.54E-06	1.40E-06	6.37E-07	1.02E-06	2.73E-08	6.58E-07	1.45E-07	2.09E-07	3.32E-07	5.85E-08	6.71E-08	1.50E-06
2404	496218.25	3859442.96	2.37E-03	2.56E-03	4.08E-03	8.20E-07	2.47E-06	1.43E-06	1.55E-06	1.40E-06	6.40E-07	1.02E-06	2.74E-08	6.61E-07	1.46E-07	2.10E-07	3.33E-07	5.87E-08	6.73E-08	1.50E-06
2405	496318.25	3859442.96	2.34E-03	2.53E-03	4.04E-03	8.11E-07	2.45E-06	1.42E-06	1.53E-06	1.39E-06	6.34E-07	1.01E-06	2.71E-08	6.55E-07	1.44E-07	2.08E-07	3.30E-07	5.82E-08	6.67E-08	1.49E-06
2406	496418.25	3859442.96	2.32E-03	2.50E-03	4.00E-03	8.03E-07	2.42E-06	1.40E-06	1.52E-06	1.37E-06	6.27E-07	1.00E-06	2.68E-08	6.47E-07	1.43E-07	2.06E-07	3.26E-07	5.75E-08	6.60E-08	1.47E-06
2407	495718.25	3859542.96	2.48E-03	2.68E-03	4.27E-03	8.59E-07	2.59E-06	1.50E-06	1.62E-06	1.47E-06	6.71E-07	1.07E-06	2.87E-08	6.93E-07	1.53E-07	2.20E-07	3.49E-07	6.16E-08	7.06E-08	1.58E-06
2408	495818.25	3859542.96	2.45E-03	2.64E-03	4.22E-03	8.48E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.62E-07	1.06E-06	2.83E-08	6.84E-07	1.51E-07	2.17E-07	3.45E-07	6.07E-08	6.96E-08	1.56E-06
2409	495918.25	3859542.96	2.41E-03	2.60E-03	4.15E-03	8.34E-07	2.52E-06	1.46E-06	1.57E-06	1.43E-06	6.51E-07	1.04E-06	2.78E-08	6.73E-07	1.48E-07	2.14E-07	3.39E-07	5.98E-08	6.85E-08	1.53E-06
2410	496018.25	3859542.96	2.37E-03	2.57E-03	4.09E-03	8.22E-07	2.48E-06	1.44E-06	1.55E-06	1.41E-06	6.42E-07	1.02E-06	2.75E-08	6.63E-07	1.46E-07	2.11E-07	3.34E-07	5.89E-08	6.75E-08	1.51E-06
2411	496118.25	3859542.96	2.39E-03	2.58E-03	4.11E-03	8.26E-07	2.50E-06	1.44E-06	1.56E-06	1.41E-06	6.45E-07	1.03E-06	2.76E-08	6.67E-07	1.47E-07	2.12E-07	3.36E-07	5.92E-08	6.79E-08	1.52E-06
2412	496218.25	3859542.96	2.39E-03	2.58E-03	4.11E-03	8.26E-07	2.49E-06	1.44E-06	1.56E-06	1.41E-06	6.45E-07	1.03E-06	2.76E-08	6.66E-07	1.47E-07	2.12E-07	3.36E-07	5.92E-08	6.79E-08	1.52E-06

2413	496318.25	3859542.96	2.38E-03	2.57E-03	4.10E-03	8.23E-07	2.49E-06	1.44E-06	1.55E-06	1.41E-06	6.43E-07	1.03E-06	2.75E-08	6.64E-07	1.47E-07	2.11E-07	3.35E-07	5.90E-08	6.76E-08	1.51E-06
2414	496418.25	3859542.96	2.34E-03	2.53E-03	4.04E-03	8.11E-07	2.45E-06	1.42E-06	1.53E-06	1.39E-06	6.33E-07	1.01E-06	2.71E-08	6.54E-07	1.44E-07	2.08E-07	3.30E-07	5.81E-08	6.66E-08	1.49E-06
2415	495718.25	3859642.96	2.49E-03	2.69E-03	4.29E-03	8.62E-07	2.60E-06	1.51E-06	1.63E-06	1.48E-06	6.73E-07	1.07E-06	2.88E-08	6.95E-07	1.53E-07	2.21E-07	3.51E-07	6.18E-08	7.08E-08	1.58E-06
2416	495818.25	3859642.96	2.45E-03	2.65E-03	4.23E-03	8.49E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.63E-07	1.06E-06	2.84E-08	6.85E-07	1.51E-07	2.18E-07	3.45E-07	6.09E-08	6.98E-08	1.56E-06
2417	495918.25	3859642.96	2.43E-03	2.62E-03	4.19E-03	8.41E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.57E-07	1.05E-06	2.81E-08	6.78E-07	1.50E-07	2.16E-07	3.42E-07	6.03E-08	6.91E-08	1.54E-06
2418	496018.25	3859642.96	2.40E-03	2.59E-03	4.13E-03	8.30E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.48E-07	1.03E-06	2.77E-08	6.69E-07	1.48E-07	2.13E-07	3.37E-07	5.95E-08	6.82E-08	1.52E-06
2419	496118.25	3859642.96	2.41E-03	2.61E-03	4.16E-03	8.35E-07	2.52E-06	1.46E-06	1.58E-06	1.43E-06	6.52E-07	1.04E-06	2.79E-08	6.74E-07	1.49E-07	2.14E-07	3.40E-07	5.98E-08	6.86E-08	1.53E-06
2420	496218.25	3859642.96	2.41E-03	2.61E-03	4.16E-03	8.36E-07	2.52E-06	1.46E-06	1.58E-06	1.43E-06	6.53E-07	1.04E-06	2.79E-08	6.74E-07	1.49E-07	2.14E-07	3.40E-07	5.99E-08	6.86E-08	1.53E-06
2421	496318.25	3859642.96	2.39E-03	2.58E-03	4.11E-03	8.26E-07	2.50E-06	1.44E-06	1.56E-06	1.41E-06	6.45E-07	1.03E-06	2.76E-08	6.67E-07	1.47E-07	2.12E-07	3.36E-07	5.92E-08	6.79E-08	1.52E-06
2422	496418.25	3859642.96	2.29E-03	2.48E-03	3.95E-03	7.94E-07	2.40E-06	1.39E-06	1.50E-06	1.36E-06	6.20E-07	9.90E-07	2.65E-08	6.41E-07	1.41E-07	2.04E-07	3.23E-07	5.69E-08	6.53E-08	1.46E-06
2423	495718.25	3859742.96	2.50E-03	2.70E-03	4.31E-03	8.67E-07	2.62E-06	1.51E-06	1.64E-06	1.48E-06	6.77E-07	1.08E-06	2.89E-08	6.99E-07	1.54E-07	2.22E-07	3.52E-07	6.21E-08	7.12E-08	1.59E-06
2424	495818.25	3859742.96	2.46E-03	2.66E-03	4.24E-03	8.53E-07	2.57E-06	1.49E-06	1.61E-06	1.46E-06	6.66E-07	1.06E-06	2.85E-08	6.88E-07	1.52E-07	2.19E-07	3.47E-07	6.11E-08	7.00E-08	1.56E-06
2425	495918.25	3859742.96	2.43E-03	2.63E-03	4.19E-03	8.43E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.58E-07	1.05E-06	2.81E-08	6.80E-07	1.50E-07	2.16E-07	3.43E-07	6.04E-08	6.92E-08	1.55E-06
2426	496018.25	3859742.96	2.40E-03	2.59E-03	4.14E-03	8.31E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.49E-07	1.04E-06	2.78E-08	6.71E-07	1.48E-07	2.13E-07	3.38E-07	5.96E-08	6.83E-08	1.53E-06
2427	496118.25	3859742.96	2.41E-03	2.60E-03	4.15E-03	8.33E-07	2.52E-06	1.46E-06	1.57E-06	1.43E-06	6.51E-07	1.04E-06	2.78E-08	6.72E-07	1.48E-07	2.14E-07	3.39E-07	5.97E-08	6.84E-08	1.53E-06
2428	496218.25	3859742.96	2.42E-03	2.61E-03	4.17E-03	8.37E-07	2.53E-06	1.46E-06	1.58E-06	1.43E-06	6.54E-07	1.04E-06	2.80E-08	6.75E-07	1.49E-07	2.15E-07	3.40E-07	6.00E-08	6.88E-08	1.54E-06
2429	496318.25	3859742.96	2.35E-03	2.54E-03	4.04E-03	8.13E-07	2.45E-06	1.42E-06	1.53E-06	1.39E-06	6.35E-07	1.01E-06	2.71E-08	6.56E-07	1.45E-07	2.08E-07	3.30E-07	5.82E-08	6.68E-08	1.49E-06
2430	496418.25	3859742.96	2.28E-03	2.46E-03	3.93E-03	7.90E-07	2.38E-06	1.38E-06	1.49E-06	1.35E-06	6.17E-07	9.83E-07	2.64E-08	6.37E-07	1.41E-07	2.02E-07	3.21E-07	5.66E-08	6.49E-08	1.45E-06
2431	495718.25	3859842.96	2.49E-03	2.69E-03	4.28E-03	8.62E-07	2.60E-06	1.51E-06	1.63E-06	1.47E-06	6.73E-07	1.07E-06	2.88E-08	6.95E-07	1.53E-07	2.21E-07	3.50E-07	6.17E-08	7.07E-08	1.58E-06
2432	495818.25	3859842.96	2.46E-03	2.66E-03	4.24E-03	8.52E-07	2.57E-06	1.49E-06	1.61E-06	1.46E-06	6.65E-07	1.06E-06	2.85E-08	6.87E-07	1.52E-07	2.18E-07	3.46E-07	6.10E-08	6.99E-08	1.56E-06
2433	495918.25	3859842.96	2.43E-03	2.63E-03	4.19E-03	8.42E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.57E-07	1.05E-06	2.81E-08	6.79E-07	1.50E-07	2.16E-07	3.42E-07	6.03E-08	6.91E-08	1.54E-06
2434	496018.25	3859842.96	2.41E-03	2.61E-03	4.15E-03	8.36E-07	2.52E-06	1.46E-06	1.58E-06	1.43E-06	6.52E-07	1.04E-06	2.79E-08	6.74E-07	1.49E-07	2.14E-07	3.40E-07	5.99E-08	6.86E-08	1.53E-06
2435	496118.25	3859842.96	2.43E-03	2.62E-03	4.18E-03	8.40E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.56E-07	1.04E-06	2.80E-08	6.77E-07	1.49E-07	2.15E-07	3.41E-07	6.02E-08	6.89E-08	1.54E-06
2436	496218.25	3859842.96	2.37E-03	2.56E-03	4.07E-03	8.19E-07	2.47E-06	1.43E-06	1.55E-06	1.40E-06	6.40E-07	1.02E-06	2.74E-08	6.61E-07	1.46E-07	2.10E-07	3.33E-07	5.87E-08	6.72E-08	1.50E-06
2437	496318.25	3859842.96	2.24E-03	2.42E-03	3.86E-03	7.77E-07	2.35E-06	1.36E-06	1.47E-06	1.33E-06	6.06E-07	9.67E-07	2.59E-08	6.26E-07	1.38E-07	1.99E-07	3.16E-07	5.57E-08	6.38E-08	1.42E-06
2438	496418.25	3859842.96	2.16E-03	2.33E-03	3.72E-03	7.47E-07	2.26E-06	1.31E-06	1.41E-06	1.28E-06	5.83E-07	9.30E-07	2.49E-08	6.02E-07	1.33E-07	1.91E-07	3.04E-07	5.35E-08	6.13E-08	1.37E-06
2439	495718.25	3859942.96	2.46E-03	2.65E-03	4.23E-03	8.51E-07	2.57E-06	1.49E-06	1.61E-06	1.46E-06	6.64E-07	1.06E-06	2.84E-08	6.86E-07	1.51E-07	2.18E-07	3.46E-07	6.10E-08	6.98E-08	1.56E-06
2440	495818.25	3859942.96	2.43E-03	2.62E-03	4.18E-03	8.41E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.57E-07	1.05E-06	2.81E-08	6.78E-07	1.50E-07	2.16E-07	3.42E-07	6.03E-08	6.90E-08	1.54E-06
2441	495918.25	3859942.96	2.41E-03	2.60E-03	4.14E-03	8.34E-07	2.52E-06	1.46E-06	1.57E-06	1.43E-06	6.51E-07	1.04E-06	2.79E-08	6.73E-07	1.48E-07	2.14E-07	3.39E-07	5.98E-08	6.84E-08	1.53E-06
2442	496018.25	3859942.96	2.41E-03	2.60E-03	4.14E-03	8.33E-07	2.52E-06	1.46E-06	1.57E-06	1.43E-06	6.51E-07	1.04E-06	2.78E-08	6.72E-07	1.48E-07	2.14E-07	3.39E-07	5.97E-08	6.83E-08	1.53E-06
2443	496118.25	3859942.96	2.37E-03	2.55E-03	4.07E-03	8.19E-07	2.47E-06	1.43E-06	1.55E-06	1.40E-06	6.39E-07	1.02E-06	2.73E-08	6.60E-07	1.46E-07	2.10E-07	3.33E-07	5.87E-08	6.72E-08	1.50E-06
2444	496218.25	3859942.96	2.29E-03	2.48E-03	3.95E-03	7.94E-07	2.40E-06	1.39E-06	1.50E-06	1.36E-06	6.20E-07	9.88E-07	2.65E-08	6.41E-07	1.41E-07	2.04E-07	3.23E-07	5.69E-08	6.52E-08	1.46E-06
2445	496318.25	3859942.96	2.22E-03	2.39E-03	3.82E-03	7.67E-07	2.32E-06	1.34E-06	1.45E-06	1.31E-06	5.99E-07	9.55E-07	2.56E-08	6.19E-07	1.37E-07	1.97E-07	3.12E-07	5.50E-08	6.30E-08	1.41E-06
2446	496418.25	3859942.96	2.10E-03	2.27E-03	3.62E-03	7.28E-07	2.20E-06	1.27E-06	1.37E-06	1.25E-06	5.68E-07	9.06E-07	2.43E-08	5.87E-07	1.30E-07	1.87E-07	2.96E-07	5.22E-08	5.98E-08	1.34E-06
2447	496856.82	3858864.83	1.96E-03	2.11E-03	3.37E-03	6.78E-07	2.05E-06	1.18E-06	1.28E-06	1.16E-06	5.29E-07	8.43E-07	2.26E-08	5.47E-07	1.21E-07	1.74E-07	2.76E-07	4.86E-08	5.56E-08	1.24E-06
2448	496956.82	3858864.83	1.93E-03	2.08E-03	3.32E-03	6.68E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.21E-07	8.30E-07	2.23E-08	5.38E-07	1.19E-07	1.71E-07	2.71E-07	4.78E-08	5.48E-08	1.22E-06
2449	497056.82	3858864.83	1.90E-03	2.05E-03	3.27E-03	6.58E-07	1.99E-06	1.15E-06	1.24E-06	1.13E-06	5.14E-07	8.19E-07	2.20E-08	5.31E-07	1.17E-07	1.69E-07	2.68E-07	4.72E-08	5.40E-08	1.21E-06
2450	497156.82	3858864.83	1.87E-03	2.02E-03	3.21E-03	6.46E-07	1.95E-06	1.13E-06	1.22E-06	1.11E-06	5.04E-07	8.03E-07	2.16E-08	5.21E-07	1.15E-07	1.66E-07	2.63E-07	4.63E-08	5.30E-08	1.19E-06
2451	497256.82	3858864.83	1.86E-03	2.00E-03	3.19E-03	6.42E-07	1.94E-06	1.12E-06	1.21E-06	1.10E-06	5.02E-07	7.99E-07	2.15E-08	5.18E-07	1.14E-07	1.65E-07	2.61E-07	4.60E-08	5.27E-08	1.18E-06
2452	496856.82	3858964.83	2.01E-03	2.17E-03	3.45E-03	6.94E-07	2.10E-06	1.21E-06	1.31E-06	1.19E-06	5.42E-07	8.64E-07	2.32E-08	5.60E-07	1.24E-07	1.78E-07	2.82E-07	4.98E-08	5.70E-08	1.27E-06
2453	496956.82	3858964.83	1.96E-03	2.12E-03	3.38E-03	6.79E-07	2.05E-06	1.19E-06	1.28E-06	1.16E-06	5.31E-07	8.45E-07	2.27E-08	5.48E-07	1.21E-07	1.74E-07	2.76E-07	4.87E-08	5.58E-08	1.25E-06
2454	497056.82	3858964.83	1.93E-03	2.09E-03	3.32E-03	6.69E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.22E-07	8.32E-07	2.23E-08	5.39E-07	1.19E-07	1.71E-07	2.72E-07	4.79E-08	5.49E-08	1.23E-06
2455	497156.82	3858964.83	1.90E-03	2.05E-03	3.27E-03	6.58E-07	1.99E-06	1.15E-06	1.24E-06	1.13E-06	5.13E-07	8.18E-07	2.20E-08	5.30E-07	1.17E-07	1.69E-07	2.67E-07	4.71E-08	5.40E-08	1.21E-06
2456	497256.82	3858964.83	1.92E-03	2.07E-03	3.30E-03	6.63E-07	2.00E-06	1.16E-06	1.25E-06	1.13E-06	5.18E-07	8.25E-07	2.21E-08	5.35E-07	1.18E-07	1.70E-07	2.70E-07	4.75E-08	5.44E-08	1.22E-06
2457	496856.82	3859064.83	2.02E-03	2.19E-03	3.48E-03	7.00E-07	2.11E-06	1.22E-06	1.32E-06	1.20E-06	5.47E-07	8.72E-07	2.34E-08	5.65E-07	1.25E-07	1.80E-07	2.85E-07	5.02E-08	5.75E-08	1.29E-06
2458	496956.82	3859064.83	1.99E-03	2.15E-03	3.42E-03	6.89E-07	2.08E-06	1.20E-06	1.30E-06	1.18E-06	5.38E-07	8.57E-07	2.30E-08	5.55E-07	1.23E-07	1.76E-07	2.80E-07	4.93E-08	5.65E-08	1.26E-06
2459	497056.82	3859064.83	1.96E-03	2.12E-03	3.38E-03	6.79E-07	2.05E-06	1.19E-06	1.28E-06	1.16E-06	5.30E-07	8.45E-07	2.27E-08	5.48E-07	1.21E-07	1.74E-07	2.76E-07	4.87E-08	5.57E-08	1.25E-06
2460	497156.82	3859064.83	1.94E-03	2.09E-03	3.34E-03	6.71E-07	2.03E-06	1.17E-06	1.27E-06	1.15E-06	5.24E-07	8.35E-07	2.24E-08	5.41E-07	1.19E-07	1.72E-07	2.73E-07	4.81E-08	5.51E-08	1.23E-06
2461	497256.82	3859064.83	1.97E-03	2.13E-03	3.39E-03	6.82E-07	2.06E-06	1.19E-06	1.29E-06	1.17E-06	5.33E-07	8.49E-07	2.28E-08	5.50E-07	1.21E-07	1.75E-07	2.77E-07	4.89E-08	5.60E-08	1.25E-06
2462	496856.82	3859164.83	2.02E-03	2.18E-03	3.48E-03	6.99E-07	2.11E-06	1.22E-06	1.32E-06	1.20E-06	5.46E-07	8.70E-07	2.33E-08	5.64E-07	1.24E-07	1.79E-07	2.84E-07	5.01E-08	5.74E-08	1.28E-06
2463	496956.82	3859164.83	1.98E-03	2.14E-03	3.41E-03	6.86E-07	2.07E-06	1.20E-06	1.30E-06	1.17E-06	5.36E-07	8.54E-07	2.29E-08	5.54E-07	1.22E-07	1.76E-07	2.79E-07	4.92E-08	5.63E-08	1.26E-06
2464	497056.82	3859164.83	1.97E-03	2.13E-03	3.39E-03	6.82E-07	2.06E-06	1.19E-06	1.29E-06	1.17E-06	5.32E-07	8.48E-07	2.28E-08	5.50E-07	1.21E-07	1.75E-07	2.77E-07	4.88E-08	5.60E-08	1.25E-06
2465	497156.82	3859164.83	1.98E-03	2.14E-03	3.41E-03	6.86E-07	2.07E-06	1.20E-06	1.29E-06	1.17E-06	5.35E-07	8.54E-07	2.29E-08	5.53E-07	1.22E-07	1.76E-07	2.79E-07	4.91E-08	5.63E-08	1.26E-06
2466	497256.82	3859164.83	2.02E-03	2.19E-03	3.49E-03	7.01E-07	2.12E-06	1.23E-06	1.32E-06	1.20E-06	5.47E-07	8.73E-07	2.34E-08	5.65E-07	1.25E-07	1.80E-07	2.85E-07	5.02E-08	5.76E-08	1.29E-06
2467	496856.82	3859264.83	2.00E-03	2.16E-03	3.45E-03	6.93E-07	2.09E-06	1.21E-06	1.31E-06	1.19E-06	5.41E-07	8.62E-07	2.31E-08	5.59E-07	1.23E-07	1.78E-07	2.82E-07	4.97E-08	5.69E-08	1.27E-06
2468	496956.82	3859264.83	2.00E-03	2.16E-03	3.44E-03	6.91E-07	2.09E-06	1.21E-06	1.30E-06	1.18E-06	5.40E-07	8.60E-07	2.31E-08	5.58E-07	1.23E-07	1.77E-07	2.81E-07	4.95E-08	5.68E-08	1.27E-06
2469	497056.82	3859264.83	2.01E-03	2.17E-03	3.46E-03	6.96E-07	2.10E-06	1.22E-06	1.31E-06	1.19E-06	5.44E-07	8.67E-07	2.33E-08	5.62E-07	1.24E-07	1.79E-07	2.83E-07	4.99E-08	5.72E-08	1.28E-06
2470	497156.82	3859264.83	2.02E-03	2.18E-03	3.48E-03	7.00E-07	2.11E-06	1.22E-06	1.32E-06	1.20E-06	5.47E-07	8.72E-07	2.34E-08	5.65E-07	1.25E-07	1.79E-07	2.85E-07	5.02E-08	5.75E-08	1.28E-06
2471	497256.82	3859264.83	2.06E-03	2.22E-03	3.54E-03	7.12E-07	2.15E-06	1.24E-06	1.34E-06	1.22E-06	5.56E-07	8.87E-07	2.38E-08	5.74E-07	1.27E-07	1.83E-07	2.90E-07	5.10E-08	5.85E-08	1.31E-06

2472	497088.92	3858620.93	1.78E-03	1.92E-03	3.07E-03	6.17E-07	1.86E-06	1.08E-06	1.16E-06	1.06E-06	4.82E-07	7.67E-07	2.06E-08	4.98E-07	1.10E-07	1.58E-07	2.51E-07	4.42E-08	5.06E-08	1.13E-06
2473	497138.92	3858620.93	1.78E-03	1.92E-03	3.06E-03	6.16E-07	1.86E-06	1.08E-06	1.16E-06	1.05E-06	4.81E-07	7.66E-07	2.06E-08	4.97E-07	1.10E-07	1.58E-07	2.50E-07	4.41E-08	5.05E-08	1.13E-06
2474	497188.92	3858620.93	1.77E-03	1.91E-03	3.04E-03	6.12E-07	1.85E-06	1.07E-06	1.16E-06	1.05E-06	4.78E-07	7.61E-07	2.04E-08	4.94E-07	1.09E-07	1.57E-07	2.49E-07	4.38E-08	5.02E-08	1.12E-06
2475	497238.92	3858620.93	1.76E-03	1.90E-03	3.02E-03	6.09E-07	1.84E-06	1.06E-06	1.15E-06	1.04E-06	4.75E-07	7.57E-07	2.03E-08	4.91E-07	1.08E-07	1.56E-07	2.48E-07	4.36E-08	4.99E-08	1.12E-06
2476	497088.92	3858670.93	1.79E-03	1.93E-03	3.07E-03	6.18E-07	1.87E-06	1.08E-06	1.17E-06	1.06E-06	4.83E-07	7.68E-07	2.06E-08	4.99E-07	1.10E-07	1.58E-07	2.51E-07	4.43E-08	5.07E-08	1.13E-06
2477	497138.92	3858670.93	1.79E-03	1.94E-03	3.08E-03	6.20E-07	1.87E-06	1.08E-06	1.17E-06	1.06E-06	4.84E-07	7.71E-07	2.07E-08	5.00E-07	1.10E-07	1.59E-07	2.52E-07	4.44E-08	5.09E-08	1.14E-06
2478	497188.92	3858670.93	1.78E-03	1.92E-03	3.06E-03	6.15E-07	1.86E-06	1.07E-06	1.16E-06	1.05E-06	4.80E-07	7.65E-07	2.05E-08	4.96E-07	1.09E-07	1.58E-07	2.50E-07	4.41E-08	5.04E-08	1.13E-06
2479	497238.92	3858670.93	1.77E-03	1.91E-03	3.05E-03	6.14E-07	1.85E-06	1.07E-06	1.16E-06	1.05E-06	4.79E-07	7.63E-07	2.05E-08	4.95E-07	1.09E-07	1.57E-07	2.50E-07	4.40E-08	5.03E-08	1.13E-06
2480	497088.92	3858720.93	1.82E-03	1.97E-03	3.14E-03	6.31E-07	1.91E-06	1.10E-06	1.19E-06	1.08E-06	4.93E-07	7.85E-07	2.11E-08	5.09E-07	1.12E-07	1.62E-07	2.57E-07	4.52E-08	5.18E-08	1.16E-06
2481	497138.92	3858720.93	1.78E-03	1.92E-03	3.06E-03	6.17E-07	1.86E-06	1.08E-06	1.16E-06	1.06E-06	4.82E-07	7.67E-07	2.06E-08	4.97E-07	1.10E-07	1.58E-07	2.51E-07	4.42E-08	5.06E-08	1.13E-06
2482	497188.92	3858720.93	1.77E-03	1.91E-03	3.05E-03	6.13E-07	1.85E-06	1.07E-06	1.16E-06	1.05E-06	4.79E-07	7.63E-07	2.05E-08	4.95E-07	1.09E-07	1.57E-07	2.49E-07	4.39E-08	5.03E-08	1.13E-06
2483	497238.92	3858720.93	1.79E-03	1.94E-03	3.08E-03	6.21E-07	1.87E-06	1.08E-06	1.17E-06	1.06E-06	4.84E-07	7.72E-07	2.07E-08	5.01E-07	1.10E-07	1.59E-07	2.52E-07	4.45E-08	5.09E-08	1.14E-06
2484	497088.92	3858770.93	1.83E-03	1.98E-03	3.15E-03	6.35E-07	1.92E-06	1.11E-06	1.20E-06	1.09E-06	4.95E-07	7.89E-07	2.12E-08	5.12E-07	1.13E-07	1.63E-07	2.58E-07	4.55E-08	5.21E-08	1.16E-06
2485	497138.92	3858770.93	1.82E-03	1.96E-03	3.12E-03	6.28E-07	1.90E-06	1.10E-06	1.19E-06	1.08E-06	4.91E-07	7.81E-07	2.10E-08	5.07E-07	1.12E-07	1.61E-07	2.55E-07	4.50E-08	5.15E-08	1.15E-06
2486	497188.92	3858770.93	1.80E-03	1.94E-03	3.10E-03	6.23E-07	1.88E-06	1.09E-06	1.18E-06	1.07E-06	4.87E-07	7.75E-07	2.08E-08	5.03E-07	1.11E-07	1.60E-07	2.53E-07	4.47E-08	5.11E-08	1.14E-06
2487	497238.92	3858770.93	1.81E-03	1.96E-03	3.12E-03	6.27E-07	1.89E-06	1.10E-06	1.18E-06	1.07E-06	4.90E-07	7.80E-07	2.10E-08	5.06E-07	1.12E-07	1.61E-07	2.55E-07	4.50E-08	5.15E-08	1.15E-06
2488	497396.65	3858622.63	1.82E-03	1.97E-03	3.14E-03	6.31E-07	1.91E-06	1.10E-06	1.19E-06	1.08E-06	4.93E-07	7.85E-07	2.11E-08	5.09E-07	1.12E-07	1.62E-07	2.57E-07	4.52E-08	5.18E-08	1.16E-06
2489	497496.65	3858622.63	1.86E-03	2.01E-03	3.20E-03	6.44E-07	1.94E-06	1.12E-06	1.21E-06	1.10E-06	5.02E-07	8.00E-07	2.15E-08	5.19E-07	1.15E-07	1.65E-07	2.62E-07	4.61E-08	5.28E-08	1.18E-06
2490	497596.65	3858622.63	1.93E-03	2.08E-03	3.32E-03	6.67E-07	2.01E-06	1.17E-06	1.26E-06	1.14E-06	5.21E-07	8.30E-07	2.23E-08	5.38E-07	1.19E-07	1.71E-07	2.71E-07	4.78E-08	5.47E-08	1.22E-06
2491	497696.65	3858622.63	1.95E-03	2.10E-03	3.35E-03	6.74E-07	2.03E-06	1.18E-06	1.27E-06	1.15E-06	5.26E-07	8.38E-07	2.25E-08	5.43E-07	1.20E-07	1.73E-07	2.74E-07	4.83E-08	5.53E-08	1.24E-06
2492	497796.65	3858622.63	1.99E-03	2.15E-03	3.43E-03	6.89E-07	2.08E-06	1.20E-06	1.30E-06	1.18E-06	5.38E-07	8.57E-07	2.30E-08	5.55E-07	1.23E-07	1.77E-07	2.80E-07	4.94E-08	5.65E-08	1.26E-06
2493	497896.65	3858622.63	2.03E-03	2.20E-03	3.50E-03	7.04E-07	2.12E-06	1.23E-06	1.33E-06	1.20E-06	5.49E-07	8.76E-07	2.35E-08	5.67E-07	1.25E-07	1.80E-07	2.86E-07	5.04E-08	5.78E-08	1.29E-06
2494	497396.65	3858722.63	1.87E-03	2.02E-03	3.22E-03	6.47E-07	1.95E-06	1.13E-06	1.22E-06	1.11E-06	5.05E-07	8.05E-07	2.16E-08	5.22E-07	1.15E-07	1.66E-07	2.63E-07	4.64E-08	5.31E-08	1.19E-06
2495	497496.65	3858722.63	1.91E-03	2.06E-03	3.28E-03	6.60E-07	1.99E-06	1.15E-06	1.25E-06	1.13E-06	5.15E-07	8.21E-07	2.20E-08	5.32E-07	1.17E-07	1.69E-07	2.68E-07	4.73E-08	5.42E-08	1.21E-06
2496	497596.65	3858722.63	1.97E-03	2.13E-03	3.40E-03	6.83E-07	2.06E-06	1.19E-06	1.29E-06	1.17E-06	5.33E-07	8.50E-07	2.28E-08	5.51E-07	1.22E-07	1.75E-07	2.78E-07	4.89E-08	5.61E-08	1.25E-06
2497	497696.65	3858722.63	2.01E-03	2.17E-03	3.46E-03	6.95E-07	2.10E-06	1.22E-06	1.31E-06	1.19E-06	5.43E-07	8.66E-07	2.32E-08	5.61E-07	1.24E-07	1.78E-07	2.83E-07	4.98E-08	5.71E-08	1.28E-06
2498	497796.65	3858722.63	2.03E-03	2.19E-03	3.49E-03	7.01E-07	2.12E-06	1.23E-06	1.32E-06	1.20E-06	5.48E-07	8.73E-07	2.34E-08	5.66E-07	1.25E-07	1.80E-07	2.85E-07	5.03E-08	5.76E-08	1.29E-06
2499	497896.65	3858722.63	2.05E-03	2.22E-03	3.54E-03	7.11E-07	2.15E-06	1.24E-06	1.34E-06	1.22E-06	5.55E-07	8.86E-07	2.37E-08	5.74E-07	1.27E-07	1.82E-07	2.89E-07	5.10E-08	5.84E-08	1.30E-06
2500	497396.65	3858822.63	1.90E-03	2.05E-03	3.27E-03	6.57E-07	1.98E-06	1.15E-06	1.24E-06	1.12E-06	5.13E-07	8.17E-07	2.19E-08	5.30E-07	1.17E-07	1.68E-07	2.67E-07	4.71E-08	5.39E-08	1.21E-06
2501	497496.65	3858822.63	1.93E-03	2.08E-03	3.32E-03	6.68E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.22E-07	8.32E-07	2.23E-08	5.39E-07	1.19E-07	1.71E-07	2.72E-07	4.79E-08	5.49E-08	1.23E-06
2502	497596.65	3858822.63	2.01E-03	2.17E-03	3.45E-03	6.94E-07	2.10E-06	1.21E-06	1.31E-06	1.19E-06	5.42E-07	8.65E-07	2.32E-08	5.60E-07	1.24E-07	1.78E-07	2.82E-07	4.98E-08	5.70E-08	1.27E-06
2503	497696.65	3858822.63	2.03E-03	2.20E-03	3.50E-03	7.04E-07	2.12E-06	1.23E-06	1.33E-06	1.20E-06	5.49E-07	8.76E-07	2.35E-08	5.67E-07	1.25E-07	1.80E-07	2.86E-07	5.04E-08	5.78E-08	1.29E-06
2504	497796.65	3858822.63	2.05E-03	2.21E-03	3.53E-03	7.09E-07	2.14E-06	1.24E-06	1.34E-06	1.21E-06	5.54E-07	8.84E-07	2.37E-08	5.72E-07	1.26E-07	1.82E-07	2.88E-07	5.08E-08	5.83E-08	1.30E-06
2505	497896.65	3858822.63	2.10E-03	2.27E-03	3.62E-03	7.27E-07	2.20E-06	1.27E-06	1.37E-06	1.24E-06	5.68E-07	9.06E-07	2.43E-08	5.87E-07	1.29E-07	1.86E-07	2.96E-07	5.21E-08	5.97E-08	1.33E-06
2506	497396.65	3858922.63	1.93E-03	2.09E-03	3.32E-03	6.68E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.22E-07	8.32E-07	2.23E-08	5.39E-07	1.19E-07	1.71E-07	2.72E-07	4.79E-08	5.49E-08	1.23E-06
2507	497496.65	3858922.63	2.00E-03	2.16E-03	3.44E-03	6.91E-07	2.09E-06	1.21E-06	1.30E-06	1.18E-06	5.40E-07	8.61E-07	2.31E-08	5.58E-07	1.23E-07	1.77E-07	2.81E-07	4.95E-08	5.68E-08	1.27E-06
2508	497596.65	3858922.63	1.99E-03	2.15E-03	3.43E-03	6.90E-07	2.08E-06	1.21E-06	1.30E-06	1.18E-06	5.39E-07	8.59E-07	2.30E-08	5.57E-07	1.23E-07	1.77E-07	2.81E-07	4.94E-08	5.67E-08	1.27E-06
2509	497696.65	3858922.63	2.07E-03	2.23E-03	3.56E-03	7.16E-07	2.16E-06	1.25E-06	1.35E-06	1.23E-06	5.59E-07	8.92E-07	2.39E-08	5.77E-07	1.27E-07	1.84E-07	2.91E-07	5.13E-08	5.88E-08	1.31E-06
2510	497796.65	3858922.63	2.11E-03	2.28E-03	3.63E-03	7.29E-07	2.20E-06	1.27E-06	1.38E-06	1.25E-06	5.70E-07	9.08E-07	2.44E-08	5.88E-07	1.30E-07	1.87E-07	2.97E-07	5.23E-08	5.99E-08	1.34E-06
2511	497896.65	3858922.63	2.17E-03	2.34E-03	3.74E-03	7.51E-07	2.27E-06	1.31E-06	1.42E-06	1.29E-06	5.87E-07	9.36E-07	2.51E-08	6.06E-07	1.34E-07	1.93E-07	3.06E-07	5.38E-08	6.17E-08	1.38E-06
2512	497364.44	3858201.52	1.74E-03	1.88E-03	2.99E-03	6.02E-07	1.82E-06	1.05E-06	1.14E-06	1.03E-06	4.70E-07	7.48E-07	2.01E-08	4.85E-07	1.07E-07	1.54E-07	2.45E-07	4.31E-08	4.93E-08	1.10E-06
2513	497414.44	3858201.52	1.75E-03	1.89E-03	3.02E-03	6.07E-07	1.83E-06	1.06E-06	1.15E-06	1.04E-06	4.74E-07	7.55E-07	2.03E-08	4.90E-07	1.08E-07	1.56E-07	2.47E-07	4.35E-08	4.98E-08	1.11E-06
2514	497464.44	3858201.52	1.77E-03	1.91E-03	3.04E-03	6.12E-07	1.85E-06	1.07E-06	1.16E-06	1.05E-06	4.78E-07	7.61E-07	2.04E-08	4.94E-07	1.09E-07	1.57E-07	2.49E-07	4.39E-08	5.02E-08	1.12E-06
2515	497514.44	3858201.52	1.78E-03	1.92E-03	3.05E-03	6.15E-07	1.86E-06	1.07E-06	1.16E-06	1.05E-06	4.80E-07	7.64E-07	2.05E-08	4.96E-07	1.09E-07	1.57E-07	2.50E-07	4.40E-08	5.04E-08	1.13E-06
2516	497564.44	3858201.52	1.77E-03	1.91E-03	3.04E-03	6.12E-07	1.85E-06	1.07E-06	1.15E-06	1.05E-06	4.78E-07	7.61E-07	2.04E-08	4.94E-07	1.09E-07	1.57E-07	2.49E-07	4.38E-08	5.02E-08	1.12E-06
2517	497614.44	3858201.52	1.77E-03	1.91E-03	3.05E-03	6.13E-07	1.85E-06	1.07E-06	1.16E-06	1.05E-06	4.78E-07	7.62E-07	2.05E-08	4.94E-07	1.09E-07	1.57E-07	2.49E-07	4.39E-08	5.03E-08	1.12E-06
2518	497364.44	3858251.52	1.77E-03	1.91E-03	3.04E-03	6.11E-07	1.85E-06	1.07E-06	1.15E-06	1.05E-06	4.77E-07	7.60E-07	2.04E-08	4.93E-07	1.09E-07	1.57E-07	2.49E-07	4.38E-08	5.01E-08	1.12E-06
2519	497414.44	3858251.52	1.79E-03	1.93E-03	3.08E-03	6.19E-07	1.87E-06	1.08E-06	1.17E-06	1.06E-06	4.83E-07	7.70E-07	2.07E-08	4.99E-07	1.10E-07	1.59E-07	2.52E-07	4.44E-08	5.08E-08	1.14E-06
2520	497464.44	3858251.52	1.77E-03	1.92E-03	3.05E-03	6.14E-07	1.85E-06	1.07E-06	1.16E-06	1.05E-06	4.80E-07	7.64E-07	2.05E-08	4.95E-07	1.09E-07	1.57E-07	2.50E-07	4.40E-08	5.04E-08	1.13E-06
2521	497514.44	3858251.52	1.76E-03	1.90E-03	3.02E-03	6.08E-07	1.84E-06	1.06E-06	1.15E-06	1.04E-06	4.75E-07	7.56E-07	2.03E-08	4.90E-07	1.08E-07	1.56E-07	2.47E-07	4.36E-08	4.99E-08	1.12E-06
2522	497564.44	3858251.52	1.75E-03	1.89E-03	3.01E-03	6.06E-07	1.83E-06	1.06E-06	1.14E-06	1.04E-06	4.73E-07	7.53E-07	2.02E-08	4.89E-07	1.08E-07	1.55E-07	2.46E-07	4.34E-08	4.97E-08	1.11E-06
2523	497614.44	3858251.52	1.74E-03	1.88E-03	3.00E-03	6.04E-07	1.82E-06	1.06E-06	1.14E-06	1.03E-06	4.71E-07	7.51E-07	2.02E-08	4.87E-07	1.07E-07	1.55E-07	2.45E-07	4.33E-08	4.95E-08	1.11E-06
2524	497364.44	3858301.52	1.77E-03	1.91E-03	3.05E-03	6.13E-07	1.85E-06	1.07E-06	1.16E-06	1.05E-06	4.79E-07	7.62E-07	2.05E-08	4.94E-07	1.09E-07	1.57E-07	2.49E-07	4.39E-08	5.03E-08	1.12E-06
2525	497414.44	3858301.52	1.79E-03	1.93E-03	3.07E-03	6.18E-07	1.87E-06	1.08E-06	1.17E-06	1.06E-06	4.83E-07	7.69E-07	2.06E-08	4.98E-07	1.10E-07	1.58E-07	2.51E-07	4.43E-08	5.07E-08	1.13E-06
2526	497464.44	3858301.52	1.77E-03	1.91E-03	3.04E-03	6.11E-07	1.85E-06	1.07E-06	1.15E-06	1.05E-06	4.77E-07	7.60E-07	2.04E-08	4.93E-07	1.09E-07	1.57E-07	2.48E-07	4.38E-08	5.01E-08	1.12E-06
2527	497514.44	3858301.52	1.75E-03	1.89E-03	3.01E-03	6.07E-07	1.83E-06	1.06E-06	1.15E-06	1.04E-06	4.74E-07	7.55E-07	2.03E-08	4.89E-07	1.08E-07	1.56E-07	2.47E-07	4.35E-08	4.98E-08	1.11E-06
2528	497564.44	3858301.52	1.73E-03	1.87E-03	2.98E-03	6.00E-07	1.81E-06	1.05E-06	1.13E-06	1.03E-06	4.69E-07	7.46E-07	2.00E-08	4.84E-07	1.07E-07	1.54E-07	2.44E-07	4.30E-08	4.92E-08	1.10E-06
2529	497614.44	3858301.52	1.73E-03	1.86E-03	2.97E-03	5.98E-07	1.80E-06	1.04E-06	1.13E-06	1.02E-06	4.67E-07	7.43E-07	2.00E-08	4.82E-07	1.06E-07	1.53E-07	2.43E-07	4.28E-08	4.90E-08	1.10E-06
2530	497364.44	3858351.52	1.78E-03	1.92E-03	3.06E-03	6.17E-07	1.86E-06	1.08E-06	1.16E-06	1.06E-06	4.81E-07	7.67E-07	2.06E-08	4.97E-07	1.10E-07	1.58E-07	2.51E-07	4.42E-08	5.06E-08	1.13E-06

2531	497414.44	3858351.52	1.77E-03	1.91E-03	3.04E-03	6.12E-07	1.85E-06	1.07E-06	1.16E-06	1.05E-06	4.78E-07	7.61E-07	2.04E-08	4.94E-07	1.09E-07	1.57E-07	2.49E-07	4.39E-08	5.02E-08	1.12E-06
2532	497464.44	3858351.52	1.76E-03	1.90E-03	3.03E-03	6.11E-07	1.84E-06	1.07E-06	1.15E-06	1.04E-06	4.77E-07	7.59E-07	2.04E-08	4.92E-07	1.09E-07	1.56E-07	2.48E-07	4.37E-08	5.01E-08	1.12E-06
2533	497514.44	3858351.52	1.75E-03	1.89E-03	3.02E-03	6.07E-07	1.83E-06	1.06E-06	1.15E-06	1.04E-06	4.74E-07	7.55E-07	2.03E-08	4.90E-07	1.08E-07	1.56E-07	2.47E-07	4.35E-08	4.98E-08	1.11E-06
2534	497564.44	3858351.52	1.73E-03	1.87E-03	2.97E-03	5.98E-07	1.81E-06	1.05E-06	1.13E-06	1.02E-06	4.67E-07	7.44E-07	2.00E-08	4.83E-07	1.07E-07	1.53E-07	2.43E-07	4.29E-08	4.91E-08	1.10E-06
2535	497614.44	3858351.52	1.72E-03	1.86E-03	2.96E-03	5.96E-07	1.80E-06	1.04E-06	1.13E-06	1.02E-06	4.66E-07	7.42E-07	1.99E-08	4.81E-07	1.06E-07	1.53E-07	2.42E-07	4.27E-08	4.89E-08	1.09E-06
2536	497364.44	3858401.52	1.76E-03	1.90E-03	3.03E-03	6.10E-07	1.84E-06	1.07E-06	1.15E-06	1.04E-06	4.76E-07	7.58E-07	2.04E-08	4.92E-07	1.09E-07	1.56E-07	2.48E-07	4.37E-08	5.00E-08	1.12E-06
2537	497414.44	3858401.52	1.76E-03	1.90E-03	3.03E-03	6.10E-07	1.84E-06	1.07E-06	1.15E-06	1.04E-06	4.76E-07	7.58E-07	2.04E-08	4.92E-07	1.09E-07	1.56E-07	2.48E-07	4.37E-08	5.00E-08	1.12E-06
2538	497464.44	3858401.52	1.75E-03	1.89E-03	3.01E-03	6.05E-07	1.83E-06	1.06E-06	1.14E-06	1.04E-06	4.72E-07	7.52E-07	2.02E-08	4.88E-07	1.08E-07	1.55E-07	2.46E-07	4.33E-08	4.96E-08	1.11E-06
2539	497514.44	3858401.52	1.74E-03	1.88E-03	2.99E-03	6.02E-07	1.82E-06	1.05E-06	1.14E-06	1.03E-06	4.70E-07	7.49E-07	2.01E-08	4.86E-07	1.07E-07	1.54E-07	2.45E-07	4.32E-08	4.94E-08	1.11E-06
2540	497564.44	3858401.52	1.76E-03	1.90E-03	3.02E-03	6.08E-07	1.84E-06	1.06E-06	1.15E-06	1.04E-06	4.75E-07	7.56E-07	2.03E-08	4.91E-07	1.08E-07	1.56E-07	2.47E-07	4.36E-08	4.99E-08	1.12E-06
2541	497614.44	3858401.52	1.77E-03	1.91E-03	3.05E-03	6.13E-07	1.85E-06	1.07E-06	1.16E-06	1.05E-06	4.79E-07	7.62E-07	2.05E-08	4.94E-07	1.09E-07	1.57E-07	2.49E-07	4.39E-08	5.03E-08	1.12E-06
2542	493478.11	3860497.94	2.47E-03	2.67E-03	4.25E-03	8.56E-07	2.58E-06	1.50E-06	1.62E-06	1.46E-06	6.68E-07	1.06E-06	2.86E-08	6.90E-07	1.52E-07	2.19E-07	3.48E-07	6.13E-08	7.01E-08	1.57E-06
2543	493528.11	3860497.94	2.47E-03	2.66E-03	4.23E-03	8.53E-07	2.58E-06	1.49E-06	1.61E-06	1.46E-06	6.66E-07	1.06E-06	2.85E-08	6.88E-07	1.52E-07	2.19E-07	3.47E-07	6.11E-08	6.99E-08	1.57E-06
2544	493478.11	3860547.94	2.42E-03	2.61E-03	4.16E-03	8.38E-07	2.53E-06	1.46E-06	1.58E-06	1.43E-06	6.54E-07	1.04E-06	2.80E-08	6.76E-07	1.49E-07	2.15E-07	3.41E-07	6.00E-08	6.86E-08	1.54E-06
2545	493528.11	3860547.94	2.41E-03	2.61E-03	4.14E-03	8.35E-07	2.52E-06	1.46E-06	1.58E-06	1.43E-06	6.52E-07	1.04E-06	2.79E-08	6.74E-07	1.49E-07	2.14E-07	3.40E-07	5.98E-08	6.84E-08	1.53E-06
2546	493478.11	3860597.94	2.37E-03	2.56E-03	4.07E-03	8.20E-07	2.48E-06	1.43E-06	1.55E-06	1.40E-06	6.40E-07	1.02E-06	2.74E-08	6.61E-07	1.46E-07	2.10E-07	3.33E-07	5.87E-08	6.72E-08	1.50E-06
2547	493528.11	3860597.94	2.36E-03	2.55E-03	4.06E-03	8.18E-07	2.47E-06	1.43E-06	1.54E-06	1.40E-06	6.38E-07	1.02E-06	2.73E-08	6.60E-07	1.46E-07	2.10E-07	3.32E-07	5.86E-08	6.70E-08	1.50E-06
2548	493561.88	3860524.64	2.43E-03	2.63E-03	4.18E-03	8.42E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.58E-07	1.05E-06	2.81E-08	6.79E-07	1.50E-07	2.16E-07	3.42E-07	6.03E-08	6.90E-08	1.54E-06
2549	493591.88	3860524.64	2.43E-03	2.62E-03	4.18E-03	8.41E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.57E-07	1.04E-06	2.81E-08	6.79E-07	1.50E-07	2.16E-07	3.42E-07	6.03E-08	6.89E-08	1.54E-06
2550	493561.88	3860554.64	2.40E-03	2.59E-03	4.13E-03	8.32E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.49E-07	1.03E-06	2.78E-08	6.71E-07	1.48E-07	2.13E-07	3.38E-07	5.96E-08	6.81E-08	1.53E-06
2551	493591.88	3860554.64	2.40E-03	2.59E-03	4.12E-03	8.31E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.49E-07	1.03E-06	2.78E-08	6.70E-07	1.48E-07	2.13E-07	3.38E-07	5.95E-08	6.81E-08	1.52E-06
2552	492880.5	3860293.11	2.77E-03	2.99E-03	4.75E-03	9.58E-07	2.89E-06	1.67E-06	1.81E-06	1.64E-06	7.48E-07	1.19E-06	3.20E-08	7.73E-07	1.71E-07	2.45E-07	3.89E-07	6.86E-08	7.84E-08	1.76E-06
2553	492930.5	3860293.11	2.77E-03	2.99E-03	4.74E-03	9.57E-07	2.89E-06	1.67E-06	1.81E-06	1.64E-06	7.47E-07	1.19E-06	3.20E-08	7.72E-07	1.70E-07	2.45E-07	3.89E-07	6.86E-08	7.83E-08	1.76E-06
2554	492980.5	3860293.11	2.76E-03	2.98E-03	4.74E-03	9.56E-07	2.89E-06	1.67E-06	1.80E-06	1.64E-06	7.46E-07	1.19E-06	3.19E-08	7.71E-07	1.70E-07	2.45E-07	3.89E-07	6.85E-08	7.83E-08	1.75E-06
2555	493030.5	3860293.11	2.77E-03	2.99E-03	4.75E-03	9.57E-07	2.89E-06	1.67E-06	1.81E-06	1.64E-06	7.47E-07	1.19E-06	3.20E-08	7.72E-07	1.70E-07	2.45E-07	3.89E-07	6.86E-08	7.84E-08	1.76E-06
2556	493080.5	3860293.11	2.76E-03	2.99E-03	4.75E-03	9.57E-07	2.89E-06	1.67E-06	1.81E-06	1.64E-06	7.47E-07	1.19E-06	3.20E-08	7.72E-07	1.70E-07	2.45E-07	3.89E-07	6.86E-08	7.84E-08	1.76E-06
2557	493130.5	3860293.11	2.75E-03	2.97E-03	4.73E-03	9.53E-07	2.88E-06	1.67E-06	1.80E-06	1.63E-06	7.44E-07	1.18E-06	3.18E-08	7.69E-07	1.70E-07	2.44E-07	3.87E-07	6.83E-08	7.81E-08	1.75E-06
2558	493180.5	3860293.11	2.74E-03	2.96E-03	4.71E-03	9.49E-07	2.87E-06	1.66E-06	1.79E-06	1.62E-06	7.41E-07	1.18E-06	3.17E-08	7.66E-07	1.69E-07	2.43E-07	3.86E-07	6.80E-08	7.77E-08	1.74E-06
2559	493230.5	3860293.11	2.73E-03	2.95E-03	4.69E-03	9.46E-07	2.86E-06	1.65E-06	1.79E-06	1.62E-06	7.38E-07	1.17E-06	3.16E-08	7.63E-07	1.68E-07	2.42E-07	3.85E-07	6.78E-08	7.75E-08	1.74E-06
2560	493280.5	3860293.11	2.73E-03	2.95E-03	4.69E-03	9.45E-07	2.85E-06	1.65E-06	1.78E-06	1.62E-06	7.37E-07	1.17E-06	3.15E-08	7.62E-07	1.68E-07	2.42E-07	3.84E-07	6.77E-08	7.74E-08	1.73E-06
2561	493330.5	3860293.11	2.72E-03	2.94E-03	4.68E-03	9.42E-07	2.84E-06	1.65E-06	1.78E-06	1.61E-06	7.36E-07	1.17E-06	3.15E-08	7.60E-07	1.68E-07	2.41E-07	3.83E-07	6.75E-08	7.72E-08	1.73E-06
2562	493380.5	3860293.11	2.71E-03	2.93E-03	4.66E-03	9.39E-07	2.84E-06	1.64E-06	1.77E-06	1.61E-06	7.33E-07	1.17E-06	3.14E-08	7.58E-07	1.67E-07	2.41E-07	3.82E-07	6.73E-08	7.70E-08	1.72E-06
2563	492880.5	3860343.11	2.70E-03	2.92E-03	4.63E-03	9.35E-07	2.82E-06	1.63E-06	1.76E-06	1.60E-06	7.30E-07	1.16E-06	3.12E-08	7.54E-07	1.66E-07	2.40E-07	3.80E-07	6.70E-08	7.65E-08	1.72E-06
2564	492930.5	3860343.11	2.70E-03	2.91E-03	4.63E-03	9.34E-07	2.82E-06	1.63E-06	1.76E-06	1.60E-06	7.29E-07	1.16E-06	3.12E-08	7.54E-07	1.66E-07	2.39E-07	3.80E-07	6.69E-08	7.64E-08	1.71E-06
2565	492980.5	3860343.11	2.71E-03	2.92E-03	4.65E-03	9.37E-07	2.83E-06	1.64E-06	1.77E-06	1.60E-06	7.32E-07	1.16E-06	3.13E-08	7.56E-07	1.67E-07	2.40E-07	3.81E-07	6.71E-08	7.67E-08	1.72E-06
2566	493030.5	3860343.11	2.70E-03	2.92E-03	4.64E-03	9.35E-07	2.82E-06	1.64E-06	1.77E-06	1.60E-06	7.30E-07	1.16E-06	3.12E-08	7.55E-07	1.66E-07	2.40E-07	3.80E-07	6.70E-08	7.66E-08	1.72E-06
2567	493080.5	3860343.11	2.70E-03	2.92E-03	4.64E-03	9.36E-07	2.83E-06	1.64E-06	1.77E-06	1.60E-06	7.31E-07	1.16E-06	3.13E-08	7.55E-07	1.67E-07	2.40E-07	3.81E-07	6.71E-08	7.67E-08	1.72E-06
2568	493130.5	3860343.11	2.70E-03	2.91E-03	4.63E-03	9.33E-07	2.82E-06	1.63E-06	1.76E-06	1.60E-06	7.28E-07	1.16E-06	3.12E-08	7.53E-07	1.66E-07	2.39E-07	3.79E-07	6.69E-08	7.64E-08	1.71E-06
2569	493180.5	3860343.11	2.68E-03	2.90E-03	4.61E-03	9.29E-07	2.80E-06	1.62E-06	1.75E-06	1.59E-06	7.25E-07	1.15E-06	3.10E-08	7.49E-07	1.65E-07	2.38E-07	3.78E-07	6.65E-08	7.60E-08	1.70E-06
2570	493230.5	3860343.11	2.68E-03	2.89E-03	4.59E-03	9.26E-07	2.80E-06	1.62E-06	1.75E-06	1.58E-06	7.23E-07	1.15E-06	3.09E-08	7.47E-07	1.65E-07	2.37E-07	3.76E-07	6.63E-08	7.58E-08	1.70E-06
2571	493280.5	3860343.11	2.67E-03	2.89E-03	4.59E-03	9.25E-07	2.79E-06	1.62E-06	1.75E-06	1.58E-06	7.22E-07	1.15E-06	3.09E-08	7.46E-07	1.65E-07	2.37E-07	3.76E-07	6.63E-08	7.58E-08	1.70E-06
2572	493330.5	3860343.11	2.67E-03	2.88E-03	4.58E-03	9.23E-07	2.79E-06	1.61E-06	1.74E-06	1.58E-06	7.21E-07	1.15E-06	3.08E-08	7.45E-07	1.64E-07	2.37E-07	3.75E-07	6.61E-08	7.56E-08	1.69E-06
2573	493380.5	3860343.11	2.66E-03	2.87E-03	4.57E-03	9.21E-07	2.78E-06	1.61E-06	1.74E-06	1.58E-06	7.19E-07	1.14E-06	3.07E-08	7.43E-07	1.64E-07	2.36E-07	3.74E-07	6.60E-08	7.54E-08	1.69E-06
2574	492880.5	3860393.11	2.64E-03	2.85E-03	4.52E-03	9.13E-07	2.76E-06	1.60E-06	1.72E-06	1.56E-06	7.12E-07	1.13E-06	3.05E-08	7.36E-07	1.62E-07	2.34E-07	3.71E-07	6.54E-08	7.46E-08	1.67E-06
2575	492930.5	3860393.11	2.64E-03	2.85E-03	4.52E-03	9.13E-07	2.76E-06	1.60E-06	1.72E-06	1.56E-06	7.12E-07	1.13E-06	3.05E-08	7.36E-07	1.62E-07	2.34E-07	3.71E-07	6.54E-08	7.47E-08	1.67E-06
2576	492980.5	3860393.11	2.64E-03	2.85E-03	4.53E-03	9.14E-07	2.76E-06	1.60E-06	1.72E-06	1.56E-06	7.13E-07	1.13E-06	3.05E-08	7.37E-07	1.63E-07	2.34E-07	3.71E-07	6.55E-08	7.48E-08	1.68E-06
2577	493030.5	3860393.11	2.64E-03	2.85E-03	4.53E-03	9.14E-07	2.76E-06	1.60E-06	1.72E-06	1.56E-06	7.13E-07	1.13E-06	3.05E-08	7.37E-07	1.63E-07	2.34E-07	3.71E-07	6.55E-08	7.48E-08	1.68E-06
2578	493080.5	3860393.11	2.64E-03	2.86E-03	4.54E-03	9.15E-07	2.76E-06	1.60E-06	1.73E-06	1.57E-06	7.15E-07	1.14E-06	3.06E-08	7.38E-07	1.63E-07	2.35E-07	3.72E-07	6.56E-08	7.50E-08	1.68E-06
2579	493130.5	3860393.11	2.64E-03	2.85E-03	4.52E-03	9.12E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.12E-07	1.13E-06	3.05E-08	7.36E-07	1.62E-07	2.34E-07	3.71E-07	6.54E-08	7.47E-08	1.67E-06
2580	493180.5	3860393.11	2.62E-03	2.83E-03	4.50E-03	9.08E-07	2.74E-06	1.59E-06	1.71E-06	1.55E-06	7.09E-07	1.13E-06	3.03E-08	7.32E-07	1.62E-07	2.33E-07	3.69E-07	6.50E-08	7.43E-08	1.67E-06
2581	493230.5	3860393.11	2.62E-03	2.83E-03	4.49E-03	9.06E-07	2.74E-06	1.58E-06	1.71E-06	1.55E-06	7.07E-07	1.12E-06	3.03E-08	7.31E-07	1.61E-07	2.32E-07	3.68E-07	6.49E-08	7.42E-08	1.66E-06
2582	493280.5	3860393.11	2.62E-03	2.82E-03	4.49E-03	9.06E-07	2.73E-06	1.58E-06	1.71E-06	1.55E-06	7.07E-07	1.12E-06	3.02E-08	7.31E-07	1.61E-07	2.32E-07	3.68E-07	6.49E-08	7.42E-08	1.66E-06
2583	493330.5	3860393.11	2.61E-03	2.82E-03	4.49E-03	9.04E-07	2.73E-06	1.58E-06	1.71E-06	1.55E-06	7.06E-07	1.12E-06	3.02E-08	7.29E-07	1.61E-07	2.32E-07	3.68E-07	6.48E-08	7.41E-08	1.66E-06
2584	493380.5	3860393.11	2.61E-03	2.81E-03	4.48E-03	9.02E-07	2.72E-06	1.58E-06	1.70E-06	1.54E-06	7.04E-07	1.12E-06	3.01E-08	7.28E-07	1.61E-07	2.31E-07	3.67E-07	6.46E-08	7.39E-08	1.65E-06
2585	492880.5	3860443.11	2.57E-03	2.78E-03	4.41E-03	8.91E-07	2.69E-06	1.56E-06	1.68E-06	1.52E-06	6.95E-07	1.10E-06	2.98E-08	7.19E-07	1.59E-07	2.28E-07	3.62E-07	6.38E-08	7.29E-08	1.63E-06
2586	492930.5	3860443.11	2.57E-03	2.78E-03	4.41E-03	8.90E-07	2.69E-06	1.56E-06	1.68E-06	1.52E-06	6.95E-07	1.10E-06	2.97E-08	7.18E-07	1.58E-07	2.28E-07	3.62E-07	6.37E-08	7.28E-08	1.63E-06
2587	492980.5	3860443.11	2.57E-03	2.78E-03	4.42E-03	8.91E-07	2.69E-06	1.56E-06	1.68E-06	1.52E-06	6.96E-07	1.11E-06	2.98E-08	7.19E-07	1.59E-07	2.28E-07	3.62E-07	6.38E-08	7.29E-08	1.63E-06
2588	493030.5	3860443.11	2.58E-03	2.78E-03	4.42E-03	8.92E-07	2.69E-06	1.56E-06	1.68E-06	1.53E-06	6.96E-07	1.11E-06	2.98E-08	7.19E-07	1.59E-07	2.28E-07	3.62E-07	6.39E-08	7.30E-08	1.64E-06
2589	493080.5	3860443.11	2.57E-03	2.78E-03	4.42E-03	8.91E-07	2.69E-06	1.56E-06	1.68E-06	1.52E-06	6.95E-07	1.11E-06	2.97E-08	7.19E-07	1.59E-07	2.28E-07	3.62E-07	6.38E-08	7.29E-08	1.63E-06

2590	493130.5	3860443.11	2.57E-03	2.78E-03	4.41E-03	8.90E-07	2.69E-06	1.56E-06	1.68E-06	1.52E-06	6.95E-07	1.10E-06	2.97E-08	7.18E-07	1.58E-07	2.28E-07	3.62E-07	6.37E-08	7.28E-08	1.63E-06
2591	493180.5	3860443.11	2.56E-03	2.76E-03	4.39E-03	8.86E-07	2.68E-06	1.55E-06	1.67E-06	1.52E-06	6.92E-07	1.10E-06	2.96E-08	7.15E-07	1.58E-07	2.27E-07	3.60E-07	6.35E-08	7.25E-08	1.63E-06
2592	493230.5	3860443.11	2.56E-03	2.77E-03	4.40E-03	8.87E-07	2.68E-06	1.55E-06	1.67E-06	1.52E-06	6.92E-07	1.10E-06	2.96E-08	7.15E-07	1.58E-07	2.27E-07	3.60E-07	6.35E-08	7.26E-08	1.63E-06
2593	493280.5	3860443.11	2.56E-03	2.76E-03	4.39E-03	8.86E-07	2.67E-06	1.55E-06	1.67E-06	1.52E-06	6.92E-07	1.10E-06	2.96E-08	7.15E-07	1.58E-07	2.27E-07	3.60E-07	6.35E-08	7.25E-08	1.62E-06
2594	493330.5	3860443.11	2.56E-03	2.76E-03	4.39E-03	8.86E-07	2.67E-06	1.55E-06	1.67E-06	1.52E-06	6.91E-07	1.10E-06	2.96E-08	7.14E-07	1.58E-07	2.27E-07	3.60E-07	6.34E-08	7.25E-08	1.62E-06
2595	493380.5	3860443.11	2.55E-03	2.75E-03	4.38E-03	8.83E-07	2.67E-06	1.54E-06	1.67E-06	1.51E-06	6.89E-07	1.10E-06	2.95E-08	7.12E-07	1.57E-07	2.26E-07	3.59E-07	6.33E-08	7.23E-08	1.62E-06
2596	493180.5	3860493.11	2.50E-03	2.70E-03	4.30E-03	8.67E-07	2.62E-06	1.52E-06	1.64E-06	1.48E-06	6.77E-07	1.08E-06	2.89E-08	6.99E-07	1.54E-07	2.22E-07	3.52E-07	6.21E-08	7.09E-08	1.59E-06
2597	493230.5	3860493.11	2.50E-03	2.70E-03	4.30E-03	8.67E-07	2.62E-06	1.51E-06	1.64E-06	1.48E-06	6.76E-07	1.08E-06	2.89E-08	6.99E-07	1.54E-07	2.22E-07	3.52E-07	6.21E-08	7.09E-08	1.59E-06
2598	493280.5	3860493.11	2.50E-03	2.70E-03	4.30E-03	8.66E-07	2.62E-06	1.51E-06	1.64E-06	1.48E-06	6.76E-07	1.08E-06	2.89E-08	6.99E-07	1.54E-07	2.22E-07	3.52E-07	6.21E-08	7.09E-08	1.59E-06
2599	493330.5	3860493.11	2.50E-03	2.70E-03	4.29E-03	8.66E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.76E-07	1.07E-06	2.89E-08	6.98E-07	1.54E-07	2.22E-07	3.52E-07	6.20E-08	7.09E-08	1.59E-06
2600	493380.5	3860493.11	2.49E-03	2.69E-03	4.28E-03	8.63E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.74E-07	1.07E-06	2.88E-08	6.96E-07	1.54E-07	2.21E-07	3.51E-07	6.18E-08	7.07E-08	1.58E-06
2601	493330.5	3860543.11	2.45E-03	2.64E-03	4.20E-03	8.47E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.61E-07	1.05E-06	2.83E-08	6.83E-07	1.51E-07	2.17E-07	3.44E-07	6.07E-08	6.93E-08	1.55E-06
2602	493380.5	3860543.11	2.44E-03	2.63E-03	4.19E-03	8.44E-07	2.55E-06	1.48E-06	1.59E-06	1.44E-06	6.59E-07	1.05E-06	2.82E-08	6.81E-07	1.50E-07	2.16E-07	3.43E-07	6.05E-08	6.91E-08	1.55E-06
2603	494135.94	3860876.85	2.06E-03	2.22E-03	3.54E-03	7.13E-07	2.15E-06	1.25E-06	1.34E-06	1.22E-06	5.56E-07	8.85E-07	2.38E-08	5.75E-07	1.27E-07	1.83E-07	2.90E-07	5.11E-08	5.84E-08	1.31E-06
2604	494185.94	3860876.85	2.05E-03	2.22E-03	3.53E-03	7.11E-07	2.15E-06	1.24E-06	1.34E-06	1.22E-06	5.55E-07	8.84E-07	2.37E-08	5.74E-07	1.27E-07	1.82E-07	2.89E-07	5.10E-08	5.83E-08	1.30E-06
2605	494135.94	3860926.85	2.02E-03	2.18E-03	3.46E-03	6.98E-07	2.11E-06	1.22E-06	1.32E-06	1.19E-06	5.45E-07	8.67E-07	2.33E-08	5.63E-07	1.24E-07	1.79E-07	2.84E-07	5.00E-08	5.72E-08	1.28E-06
2606	494185.94	3860926.85	2.01E-03	2.17E-03	3.46E-03	6.97E-07	2.10E-06	1.22E-06	1.32E-06	1.19E-06	5.44E-07	8.66E-07	2.33E-08	5.62E-07	1.24E-07	1.79E-07	2.83E-07	4.99E-08	5.71E-08	1.28E-06
2607	494135.94	3860976.85	1.98E-03	2.13E-03	3.39E-03	6.84E-07	2.06E-06	1.20E-06	1.29E-06	1.17E-06	5.34E-07	8.49E-07	2.28E-08	5.52E-07	1.22E-07	1.75E-07	2.78E-07	4.90E-08	5.60E-08	1.25E-06
2608	494185.94	3860976.85	1.97E-03	2.13E-03	3.39E-03	6.83E-07	2.06E-06	1.19E-06	1.29E-06	1.17E-06	5.33E-07	8.48E-07	2.28E-08	5.51E-07	1.22E-07	1.75E-07	2.78E-07	4.89E-08	5.60E-08	1.25E-06
2609	494135.94	3861026.85	1.93E-03	2.09E-03	3.32E-03	6.69E-07	2.02E-06	1.17E-06	1.26E-06	1.15E-06	5.23E-07	8.31E-07	2.24E-08	5.40E-07	1.19E-07	1.72E-07	2.72E-07	4.80E-08	5.48E-08	1.23E-06
2610	494185.94	3861026.85	1.93E-03	2.09E-03	3.32E-03	6.69E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.22E-07	8.31E-07	2.23E-08	5.40E-07	1.19E-07	1.71E-07	2.72E-07	4.79E-08	5.48E-08	1.23E-06
2611	494135.94	3861076.85	1.89E-03	2.04E-03	3.25E-03	6.56E-07	1.98E-06	1.15E-06	1.24E-06	1.12E-06	5.12E-07	8.14E-07	2.19E-08	5.29E-07	1.17E-07	1.68E-07	2.66E-07	4.70E-08	5.37E-08	1.20E-06
2612	494185.94	3861076.85	1.89E-03	2.04E-03	3.25E-03	6.55E-07	1.98E-06	1.15E-06	1.24E-06	1.12E-06	5.12E-07	8.14E-07	2.19E-08	5.29E-07	1.17E-07	1.68E-07	2.66E-07	4.69E-08	5.37E-08	1.20E-06
2613	490360.04	3858710.04	9.35E-03	1.01E-02	1.59E-02	3.24E-06	9.77E-06	5.66E-06	6.10E-06	5.53E-06	2.52E-06	3.97E-06	1.08E-07	2.61E-06	5.76E-07	8.28E-07	1.31E-06	2.32E-07	2.62E-07	5.93E-06
2614	490410.04	3858710.04	9.22E-03	9.94E-03	1.57E-02	3.19E-06	9.64E-06	5.58E-06	6.02E-06	5.45E-06	2.49E-06	3.92E-06	1.07E-07	2.58E-06	5.68E-07	8.17E-07	1.30E-06	2.28E-07	2.58E-07	5.85E-06
2615	490460.04	3858710.04	9.08E-03	9.80E-03	1.54E-02	3.14E-06	9.50E-06	5.50E-06	5.93E-06	5.37E-06	2.45E-06	3.87E-06	1.05E-07	2.54E-06	5.60E-07	8.05E-07	1.28E-06	2.25E-07	2.55E-07	5.76E-06
2616	490510.04	3858710.04	8.96E-03	9.66E-03	1.52E-02	3.10E-06	9.36E-06	5.42E-06	5.84E-06	5.30E-06	2.42E-06	3.81E-06	1.04E-07	2.50E-06	5.52E-07	7.93E-07	1.26E-06	2.22E-07	2.52E-07	5.68E-06
2617	490560.04	3858710.04	8.83E-03	9.53E-03	1.50E-02	3.06E-06	9.23E-06	5.34E-06	5.76E-06	5.23E-06	2.38E-06	3.77E-06	1.02E-07	2.47E-06	5.44E-07	7.83E-07	1.24E-06	2.19E-07	2.48E-07	5.60E-06
2618	490610.04	3858710.04	8.71E-03	9.39E-03	1.48E-02	3.01E-06	9.10E-06	5.27E-06	5.68E-06	5.15E-06	2.35E-06	3.72E-06	1.01E-07	2.43E-06	5.37E-07	7.72E-07	1.22E-06	2.16E-07	2.45E-07	5.53E-06
2619	490660.04	3858710.04	8.60E-03	9.28E-03	1.47E-02	2.98E-06	8.99E-06	5.20E-06	5.61E-06	5.09E-06	2.32E-06	3.67E-06	9.94E-08	2.40E-06	5.30E-07	7.62E-07	1.21E-06	2.13E-07	2.42E-07	5.46E-06
2620	490710.04	3858710.04	8.45E-03	9.11E-03	1.44E-02	2.92E-06	8.83E-06	5.11E-06	5.51E-06	5.00E-06	2.28E-06	3.61E-06	9.76E-08	2.36E-06	5.20E-07	7.49E-07	1.19E-06	2.09E-07	2.38E-07	5.36E-06
2621	490760.04	3858710.04	8.32E-03	8.98E-03	1.42E-02	2.88E-06	8.70E-06	5.04E-06	5.43E-06	4.93E-06	2.25E-06	3.56E-06	9.62E-08	2.32E-06	5.13E-07	7.38E-07	1.17E-06	2.06E-07	2.35E-07	5.28E-06
2622	490810.04	3858710.04	8.20E-03	8.85E-03	1.40E-02	2.84E-06	8.57E-06	4.96E-06	5.35E-06	4.85E-06	2.21E-06	3.51E-06	9.48E-08	2.29E-06	5.05E-07	7.27E-07	1.15E-06	2.03E-07	2.31E-07	5.21E-06
2623	490860.04	3858710.04	8.07E-03	8.71E-03	1.38E-02	2.79E-06	8.44E-06	4.88E-06	5.27E-06	4.78E-06	2.18E-06	3.45E-06	9.33E-08	2.25E-06	4.97E-07	7.15E-07	1.14E-06	2.00E-07	2.28E-07	5.12E-06
2624	490360.04	3858760.04	9.02E-03	9.72E-03	1.53E-02	3.12E-06	9.43E-06	5.46E-06	5.88E-06	5.33E-06	2.43E-06	3.82E-06	1.04E-07	2.52E-06	5.56E-07	7.99E-07	1.27E-06	2.23E-07	2.52E-07	5.72E-06
2625	490410.04	3858760.04	8.90E-03	9.59E-03	1.51E-02	3.08E-06	9.30E-06	5.38E-06	5.80E-06	5.26E-06	2.40E-06	3.78E-06	1.03E-07	2.48E-06	5.48E-07	7.88E-07	1.25E-06	2.20E-07	2.49E-07	5.64E-06
2626	490460.04	3858760.04	8.77E-03	9.46E-03	1.49E-02	3.04E-06	9.17E-06	5.31E-06	5.72E-06	5.19E-06	2.37E-06	3.73E-06	1.01E-07	2.45E-06	5.41E-07	7.77E-07	1.23E-06	2.17E-07	2.46E-07	5.57E-06
2627	490510.04	3858760.04	8.65E-03	9.33E-03	1.47E-02	2.99E-06	9.04E-06	5.23E-06	5.64E-06	5.12E-06	2.33E-06	3.68E-06	1.00E-07	2.41E-06	5.33E-07	7.66E-07	1.22E-06	2.14E-07	2.43E-07	5.49E-06
2628	490560.04	3858760.04	8.53E-03	9.20E-03	1.45E-02	2.95E-06	8.92E-06	5.16E-06	5.57E-06	5.05E-06	2.30E-06	3.64E-06	9.86E-08	2.38E-06	5.26E-07	7.56E-07	1.20E-06	2.11E-07	2.40E-07	5.41E-06
2629	490610.04	3858760.04	8.41E-03	9.07E-03	1.43E-02	2.91E-06	8.79E-06	5.09E-06	5.49E-06	4.98E-06	2.27E-06	3.59E-06	9.72E-08	2.35E-06	5.18E-07	7.45E-07	1.18E-06	2.08E-07	2.37E-07	5.34E-06
2630	490660.04	3858760.04	8.27E-03	8.92E-03	1.41E-02	2.86E-06	8.64E-06	5.00E-06	5.40E-06	4.89E-06	2.23E-06	3.53E-06	9.56E-08	2.31E-06	5.09E-07	7.33E-07	1.16E-06	2.05E-07	2.33E-07	5.25E-06
2631	490710.04	3858760.04	8.15E-03	8.79E-03	1.39E-02	2.82E-06	8.52E-06	4.93E-06	5.32E-06	4.82E-06	2.20E-06	3.48E-06	9.42E-08	2.28E-06	5.02E-07	7.22E-07	1.15E-06	2.02E-07	2.30E-07	5.17E-06
2632	490760.04	3858760.04	8.03E-03	8.66E-03	1.37E-02	2.78E-06	8.39E-06	4.86E-06	5.24E-06	4.75E-06	2.17E-06	3.43E-06	9.28E-08	2.24E-06	4.95E-07	7.12E-07	1.13E-06	1.99E-07	2.26E-07	5.09E-06
2633	490810.04	3858760.04	7.91E-03	8.53E-03	1.35E-02	2.74E-06	8.27E-06	4.78E-06	5.16E-06	4.68E-06	2.14E-06	3.38E-06	9.14E-08	2.21E-06	4.87E-07	7.01E-07	1.11E-06	1.96E-07	2.23E-07	5.02E-06
2634	490860.04	3858760.04	7.80E-03	8.41E-03	1.33E-02	2.70E-06	8.15E-06	4.72E-06	5.09E-06	4.61E-06	2.11E-06	3.34E-06	9.01E-08	2.18E-06	4.80E-07	6.91E-07	1.10E-06	1.93E-07	2.20E-07	4.95E-06
2635	490360.04	3858810.04	8.68E-03	9.36E-03	1.47E-02	3.01E-06	9.07E-06	5.25E-06	5.66E-06	5.13E-06	2.34E-06	3.68E-06	1.00E-07	2.42E-06	5.35E-07	7.69E-07	1.22E-06	2.15E-07	2.43E-07	5.51E-06
2636	490410.04	3858810.04	8.57E-03	9.24E-03	1.45E-02	2.97E-06	8.96E-06	5.19E-06	5.59E-06	5.07E-06	2.31E-06	3.64E-06	9.91E-08	2.39E-06	5.28E-07	7.59E-07	1.20E-06	2.12E-07	2.40E-07	5.44E-06
2637	490460.04	3858810.04	8.45E-03	9.12E-03	1.44E-02	2.93E-06	8.84E-06	5.12E-06	5.52E-06	5.00E-06	2.28E-06	3.59E-06	9.77E-08	2.36E-06	5.21E-07	7.49E-07	1.19E-06	2.09E-07	2.37E-07	5.36E-06
2638	490510.04	3858810.04	8.35E-03	9.00E-03	1.42E-02	2.89E-06	8.72E-06	5.05E-06	5.45E-06	4.94E-06	2.25E-06	3.55E-06	9.65E-08	2.33E-06	5.14E-07	7.39E-07	1.17E-06	2.07E-07	2.34E-07	5.29E-06
2639	490560.04	3858810.04	8.24E-03	8.88E-03	1.40E-02	2.85E-06	8.61E-06	4.98E-06	5.37E-06	4.87E-06	2.22E-06	3.51E-06	9.52E-08	2.30E-06	5.07E-07	7.30E-07	1.16E-06	2.04E-07	2.31E-07	5.23E-06
2640	490610.04	3858810.04	8.12E-03	8.76E-03	1.38E-02	2.81E-06	8.49E-06	4.91E-06	5.30E-06	4.80E-06	2.19E-06	3.46E-06	9.39E-08	2.27E-06	5.00E-07	7.20E-07	1.14E-06	2.01E-07	2.28E-07	5.15E-06
2641	490660.04	3858810.04	7.98E-03	8.60E-03	1.36E-02	2.76E-06	8.34E-06	4.83E-06	5.21E-06	4.72E-06	2.15E-06	3.40E-06	9.22E-08	2.23E-06	4.91E-07	7.07E-07	1.12E-06	1.98E-07	2.24E-07	5.06E-06
2642	490710.04	3858810.04	7.86E-03	8.48E-03	1.34E-02	2.72E-06	8.21E-06	4.76E-06	5.13E-06	4.65E-06	2.12E-06	3.36E-06	9.08E-08	2.19E-06	4.84E-07	6.96E-07	1.10E-06	1.95E-07	2.21E-07	4.99E-06
2643	490760.04	3858810.04	7.73E-03	8.34E-03	1.32E-02	2.68E-06	8.08E-06	4.68E-06	5.05E-06	4.57E-06	2.09E-06	3.30E-06	8.93E-08	2.16E-06	4.76E-07	6.85E-07	1.09E-06	1.92E-07	2.18E-07	4.90E-06
2644	490810.04	3858810.04	7.64E-03	8.24E-03	1.30E-02	2.64E-06	7.98E-06	4.62E-06	4.98E-06	4.52E-06	2.06E-06	3.27E-06	8.83E-08	2.13E-06	4.70E-07	6.77E-07	1.07E-06	1.89E-07	2.15E-07	4.85E-06
2645	490860.04	3858810.04	7.52E-03	8.11E-03	1.29E-02	2.60E-06	7.86E-06	4.55E-06	4.91E-06	4.45E-06	2.03E-06	3.22E-06	8.69E-08	2.10E-06	4.63E-07	6.66E-07	1.06E-06	1.86E-07	2.12E-07	4.77E-06
2646	490360.04	3858860.04	8.34E-03	8.99E-03	1.41E-02	2.89E-06	8.72E-06	5.05E-06	5.44E-06	4.93E-06	2.25E-06	3.54E-06	9.64E-08	2.33E-06	5.14E-07	7.39E-07	1.17E-06	2.07E-07	2.33E-07	5.29E-06
2647	490410.04	3858860.04	8.25E-03	8.89E-03	1.40E-02	2.85E-06	8.62E-06	4.99E-06	5.38E-06	4.88E-06	2.22E-06	3.50E-06	9.53E-08	2.30E-06	5.08E-07	7.30E-07	1.16E-06	2.04E-07	2.31E-07	5.23E-06
2648	490460.04	3858860.04	8.14E-03	8.77E-03	1.38E-02	2.82E-06	8.50E-06	4.92E-06	5.31E-06	4.81E-06	2.20E-06	3.46E-06	9.40E-08	2.27E-06	5.01E-07	7.21E-07	1.14E-06	2.01E-07	2.28E-07	5.16E-06

2649	490510.04	3858860.04	8.04E-03	8.67E-03	1.37E-02	2.78E-06	8.41E-06	4.87E-06	5.25E-06	4.76E-06	2.17E-06	3.42E-06	9.30E-08	2.25E-06	4.96E-07	7.13E-07	1.13E-06	1.99E-07	2.26E-07	5.10E-06
2650	490560.04	3858860.04	7.94E-03	8.56E-03	1.35E-02	2.75E-06	8.30E-06	4.80E-06	5.18E-06	4.70E-06	2.14E-06	3.38E-06	9.18E-08	2.22E-06	4.89E-07	7.03E-07	1.12E-06	1.97E-07	2.23E-07	5.04E-06
2651	490610.04	3858860.04	7.79E-03	8.40E-03	1.33E-02	2.70E-06	8.14E-06	4.71E-06	5.08E-06	4.61E-06	2.10E-06	3.32E-06	9.00E-08	2.17E-06	4.80E-07	6.90E-07	1.09E-06	1.93E-07	2.19E-07	4.94E-06
2652	490660.04	3858860.04	7.68E-03	8.29E-03	1.31E-02	2.66E-06	8.03E-06	4.65E-06	5.01E-06	4.55E-06	2.07E-06	3.28E-06	8.88E-08	2.15E-06	4.73E-07	6.81E-07	1.08E-06	1.90E-07	2.16E-07	4.87E-06
2653	490710.04	3858860.04	7.59E-03	8.19E-03	1.29E-02	2.63E-06	7.93E-06	4.59E-06	4.95E-06	4.49E-06	2.05E-06	3.24E-06	8.77E-08	2.12E-06	4.68E-07	6.72E-07	1.07E-06	1.88E-07	2.14E-07	4.81E-06
2654	490760.04	3858860.04	7.47E-03	8.06E-03	1.27E-02	2.58E-06	7.80E-06	4.52E-06	4.87E-06	4.42E-06	2.02E-06	3.19E-06	8.63E-08	2.09E-06	4.60E-07	6.62E-07	1.05E-06	1.85E-07	2.10E-07	4.74E-06
2655	490810.04	3858860.04	7.35E-03	7.93E-03	1.26E-02	2.54E-06	7.68E-06	4.45E-06	4.80E-06	4.35E-06	1.99E-06	3.14E-06	8.50E-08	2.05E-06	4.53E-07	6.52E-07	1.03E-06	1.82E-07	2.07E-07	4.66E-06
2656	490860.04	3858860.04	7.23E-03	7.80E-03	1.24E-02	2.50E-06	7.56E-06	4.37E-06	4.72E-06	4.28E-06	1.95E-06	3.10E-06	8.36E-08	2.02E-06	4.45E-07	6.41E-07	1.02E-06	1.79E-07	2.04E-07	4.59E-06
2657	490360.04	3858910.04	8.02E-03	8.64E-03	1.36E-02	2.78E-06	8.38E-06	4.85E-06	5.23E-06	4.74E-06	2.16E-06	3.40E-06	9.27E-08	2.24E-06	4.94E-07	7.10E-07	1.13E-06	1.98E-07	2.24E-07	5.08E-06
2658	490410.04	3858910.04	7.93E-03	8.55E-03	1.34E-02	2.74E-06	8.29E-06	4.80E-06	5.17E-06	4.69E-06	2.14E-06	3.36E-06	9.16E-08	2.21E-06	4.88E-07	7.02E-07	1.11E-06	1.96E-07	2.22E-07	5.03E-06
2659	490460.04	3858910.04	7.83E-03	8.45E-03	1.33E-02	2.71E-06	8.19E-06	4.74E-06	5.11E-06	4.63E-06	2.11E-06	3.33E-06	9.05E-08	2.19E-06	4.83E-07	6.94E-07	1.10E-06	1.94E-07	2.19E-07	4.97E-06
2660	490510.04	3858910.04	7.74E-03	8.34E-03	1.31E-02	2.68E-06	8.09E-06	4.68E-06	5.05E-06	4.58E-06	2.09E-06	3.29E-06	8.94E-08	2.16E-06	4.77E-07	6.85E-07	1.09E-06	1.92E-07	2.17E-07	4.91E-06
2661	490560.04	3858910.04	7.64E-03	8.24E-03	1.30E-02	2.64E-06	7.98E-06	4.62E-06	4.98E-06	4.52E-06	2.06E-06	3.25E-06	8.83E-08	2.13E-06	4.71E-07	6.77E-07	1.07E-06	1.89E-07	2.15E-07	4.85E-06
2662	490610.04	3858910.04	7.50E-03	8.09E-03	1.28E-02	2.60E-06	7.84E-06	4.54E-06	4.89E-06	4.43E-06	2.02E-06	3.19E-06	8.67E-08	2.09E-06	4.62E-07	6.64E-07	1.05E-06	1.86E-07	2.11E-07	4.76E-06
2663	490660.04	3858910.04	7.40E-03	7.98E-03	1.26E-02	2.56E-06	7.73E-06	4.48E-06	4.83E-06	4.38E-06	2.00E-06	3.15E-06	8.55E-08	2.07E-06	4.56E-07	6.56E-07	1.04E-06	1.83E-07	2.08E-07	4.69E-06
2664	490710.04	3858910.04	7.29E-03	7.86E-03	1.24E-02	2.52E-06	7.62E-06	4.41E-06	4.76E-06	4.31E-06	1.97E-06	3.11E-06	8.43E-08	2.04E-06	4.49E-07	6.46E-07	1.02E-06	1.81E-07	2.05E-07	4.63E-06
2665	490760.04	3858910.04	7.17E-03	7.74E-03	1.22E-02	2.48E-06	7.49E-06	4.34E-06	4.68E-06	4.24E-06	1.94E-06	3.06E-06	8.29E-08	2.00E-06	4.42E-07	6.36E-07	1.01E-06	1.78E-07	2.02E-07	4.55E-06
2666	490810.04	3858910.04	7.07E-03	7.63E-03	1.21E-02	2.45E-06	7.39E-06	4.28E-06	4.62E-06	4.18E-06	1.91E-06	3.02E-06	8.17E-08	1.97E-06	4.36E-07	6.27E-07	9.94E-07	1.75E-07	1.99E-07	4.49E-06
2667	490860.04	3858910.04	6.95E-03	7.50E-03	1.19E-02	2.40E-06	7.26E-06	4.20E-06	4.54E-06	4.11E-06	1.88E-06	2.97E-06	8.03E-08	1.94E-06	4.28E-07	6.16E-07	9.77E-07	1.72E-07	1.96E-07	4.41E-06
2668	490360.04	3858960.04	7.70E-03	8.29E-03	1.30E-02	2.66E-06	8.04E-06	4.66E-06	5.02E-06	4.55E-06	2.08E-06	3.26E-06	8.90E-08	2.15E-06	4.74E-07	6.81E-07	1.08E-06	1.90E-07	2.15E-07	4.88E-06
2669	490410.04	3858960.04	7.61E-03	8.20E-03	1.29E-02	2.63E-06	7.95E-06	4.60E-06	4.96E-06	4.50E-06	2.05E-06	3.23E-06	8.80E-08	2.12E-06	4.69E-07	6.74E-07	1.07E-06	1.88E-07	2.13E-07	4.83E-06
2670	490460.04	3858960.04	7.52E-03	8.11E-03	1.28E-02	2.60E-06	7.86E-06	4.55E-06	4.91E-06	4.45E-06	2.03E-06	3.19E-06	8.69E-08	2.10E-06	4.63E-07	6.66E-07	1.06E-06	1.86E-07	2.11E-07	4.77E-06
2671	490510.04	3858960.04	7.43E-03	8.01E-03	1.26E-02	2.57E-06	7.77E-06	4.50E-06	4.85E-06	4.40E-06	2.01E-06	3.16E-06	8.59E-08	2.07E-06	4.58E-07	6.58E-07	1.04E-06	1.84E-07	2.09E-07	4.71E-06
2672	490560.04	3858960.04	7.31E-03	7.88E-03	1.24E-02	2.53E-06	7.64E-06	4.42E-06	4.77E-06	4.32E-06	1.97E-06	3.11E-06	8.45E-08	2.04E-06	4.50E-07	6.47E-07	1.03E-06	1.81E-07	2.05E-07	4.64E-06
2673	490610.04	3858960.04	7.20E-03	7.76E-03	1.23E-02	2.49E-06	7.52E-06	4.35E-06	4.70E-06	4.26E-06	1.94E-06	3.07E-06	8.32E-08	2.01E-06	4.43E-07	6.38E-07	1.01E-06	1.78E-07	2.02E-07	4.57E-06
2674	490660.04	3858960.04	7.12E-03	7.68E-03	1.21E-02	2.46E-06	7.44E-06	4.31E-06	4.65E-06	4.21E-06	1.92E-06	3.04E-06	8.23E-08	1.99E-06	4.39E-07	6.31E-07	1.00E-06	1.76E-07	2.00E-07	4.52E-06
2675	490710.04	3858960.04	7.01E-03	7.56E-03	1.20E-02	2.43E-06	7.32E-06	4.24E-06	4.57E-06	4.15E-06	1.89E-06	2.99E-06	8.10E-08	1.96E-06	4.32E-07	6.21E-07	9.85E-07	1.74E-07	1.97E-07	4.45E-06
2676	490760.04	3858960.04	6.90E-03	7.44E-03	1.18E-02	2.39E-06	7.21E-06	4.17E-06	4.50E-06	4.08E-06	1.86E-06	2.95E-06	7.97E-08	1.93E-06	4.25E-07	6.12E-07	9.70E-07	1.71E-07	1.94E-07	4.38E-06
2677	490810.04	3858960.04	6.79E-03	7.33E-03	1.16E-02	2.35E-06	7.10E-06	4.11E-06	4.43E-06	4.02E-06	1.83E-06	2.90E-06	7.85E-08	1.90E-06	4.18E-07	6.02E-07	9.55E-07	1.68E-07	1.92E-07	4.31E-06
2678	490860.04	3858960.04	6.66E-03	7.19E-03	1.14E-02	2.31E-06	6.96E-06	4.03E-06	4.35E-06	3.94E-06	1.80E-06	2.85E-06	7.70E-08	1.86E-06	4.11E-07	5.91E-07	9.37E-07	1.65E-07	1.88E-07	4.23E-06
2679	490360.04	3859010.04	7.38E-03	7.96E-03	1.25E-02	2.56E-06	7.71E-06	4.47E-06	4.81E-06	4.36E-06	1.99E-06	3.13E-06	8.53E-08	2.06E-06	4.55E-07	6.54E-07	1.04E-06	1.83E-07	2.06E-07	4.68E-06
2680	490410.04	3859010.04	7.30E-03	7.87E-03	1.24E-02	2.53E-06	7.63E-06	4.42E-06	4.76E-06	4.32E-06	1.97E-06	3.10E-06	8.44E-08	2.04E-06	4.50E-07	6.47E-07	1.03E-06	1.81E-07	2.04E-07	4.63E-06
2681	490460.04	3859010.04	7.21E-03	7.78E-03	1.22E-02	2.50E-06	7.54E-06	4.36E-06	4.70E-06	4.26E-06	1.95E-06	3.07E-06	8.34E-08	2.01E-06	4.44E-07	6.39E-07	1.01E-06	1.79E-07	2.02E-07	4.57E-06
2682	490510.04	3859010.04	7.08E-03	7.64E-03	1.20E-02	2.45E-06	7.40E-06	4.28E-06	4.62E-06	4.19E-06	1.91E-06	3.01E-06	8.19E-08	1.98E-06	4.36E-07	6.27E-07	9.95E-07	1.75E-07	1.99E-07	4.49E-06
2683	490560.04	3859010.04	7.00E-03	7.55E-03	1.19E-02	2.42E-06	7.32E-06	4.24E-06	4.57E-06	4.14E-06	1.89E-06	2.98E-06	8.10E-08	1.96E-06	4.32E-07	6.21E-07	9.84E-07	1.74E-07	1.97E-07	4.44E-06
2684	490610.04	3859010.04	6.90E-03	7.44E-03	1.18E-02	2.39E-06	7.21E-06	4.18E-06	4.50E-06	4.08E-06	1.86E-06	2.94E-06	7.98E-08	1.93E-06	4.25E-07	6.12E-07	9.70E-07	1.71E-07	1.94E-07	4.38E-06
2685	490660.04	3859010.04	6.83E-03	7.37E-03	1.16E-02	2.37E-06	7.14E-06	4.13E-06	4.46E-06	4.04E-06	1.84E-06	2.91E-06	7.90E-08	1.91E-06	4.21E-07	6.05E-07	9.60E-07	1.69E-07	1.92E-07	4.33E-06
2686	490710.04	3859010.04	6.72E-03	7.25E-03	1.15E-02	2.33E-06	7.03E-06	4.07E-06	4.39E-06	3.98E-06	1.81E-06	2.87E-06	7.77E-08	1.88E-06	4.14E-07	5.96E-07	9.45E-07	1.67E-07	1.89E-07	4.27E-06
2687	490760.04	3859010.04	6.62E-03	7.14E-03	1.13E-02	2.29E-06	6.91E-06	4.00E-06	4.32E-06	3.92E-06	1.79E-06	2.83E-06	7.65E-08	1.85E-06	4.08E-07	5.86E-07	9.30E-07	1.64E-07	1.87E-07	4.20E-06
2688	490810.04	3859010.04	6.50E-03	7.02E-03	1.11E-02	2.25E-06	6.80E-06	3.94E-06	4.25E-06	3.85E-06	1.76E-06	2.78E-06	7.52E-08	1.82E-06	4.01E-07	5.77E-07	9.15E-07	1.61E-07	1.84E-07	4.13E-06
2689	490860.04	3859010.04	6.40E-03	6.90E-03	1.10E-02	2.21E-06	6.69E-06	3.87E-06	4.18E-06	3.79E-06	1.73E-06	2.74E-06	7.39E-08	1.79E-06	3.94E-07	5.67E-07	9.00E-07	1.59E-07	1.81E-07	4.06E-06
2690	490360.04	3859060.04	7.07E-03	7.62E-03	1.20E-02	2.45E-06	7.39E-06	4.28E-06	4.61E-06	4.18E-06	1.91E-06	3.00E-06	8.18E-08	1.98E-06	4.36E-07	6.26E-07	9.94E-07	1.75E-07	1.98E-07	4.49E-06
2691	490410.04	3859060.04	6.99E-03	7.54E-03	1.19E-02	2.42E-06	7.31E-06	4.23E-06	4.56E-06	4.13E-06	1.89E-06	2.97E-06	8.08E-08	1.95E-06	4.31E-07	6.19E-07	9.82E-07	1.73E-07	1.96E-07	4.43E-06
2692	490460.04	3859060.04	6.91E-03	7.45E-03	1.17E-02	2.39E-06	7.22E-06	4.18E-06	4.51E-06	4.09E-06	1.87E-06	2.94E-06	7.99E-08	1.93E-06	4.26E-07	6.12E-07	9.71E-07	1.71E-07	1.94E-07	4.38E-06
2693	490510.04	3859060.04	6.79E-03	7.32E-03	1.15E-02	2.35E-06	7.10E-06	4.11E-06	4.43E-06	4.02E-06	1.83E-06	2.89E-06	7.85E-08	1.90E-06	4.18E-07	6.02E-07	9.55E-07	1.68E-07	1.91E-07	4.31E-06
2694	490560.04	3859060.04	6.69E-03	7.22E-03	1.14E-02	2.32E-06	7.00E-06	4.05E-06	4.37E-06	3.96E-06	1.81E-06	2.85E-06	7.74E-08	1.87E-06	4.12E-07	5.93E-07	9.41E-07	1.66E-07	1.88E-07	4.25E-06
2695	490610.04	3859060.04	6.62E-03	7.14E-03	1.13E-02	2.29E-06	6.92E-06	4.00E-06	4.32E-06	3.92E-06	1.79E-06	2.82E-06	7.65E-08	1.85E-06	4.08E-07	5.86E-07	9.30E-07	1.64E-07	1.86E-07	4.20E-06
2696	490660.04	3859060.04	6.54E-03	7.06E-03	1.12E-02	2.26E-06	6.84E-06	3.96E-06	4.27E-06	3.87E-06	1.77E-06	2.79E-06	7.56E-08	1.83E-06	4.03E-07	5.80E-07	9.20E-07	1.62E-07	1.84E-07	4.15E-06
2697	490710.04	3859060.04	6.43E-03	6.94E-03	1.10E-02	2.23E-06	6.73E-06	3.89E-06	4.20E-06	3.81E-06	1.74E-06	2.75E-06	7.44E-08	1.80E-06	3.96E-07	5.70E-07	9.05E-07	1.59E-07	1.81E-07	4.08E-06
2698	490760.04	3859060.04	6.33E-03	6.83E-03	1.08E-02	2.19E-06	6.62E-06	3.83E-06	4.13E-06	3.75E-06	1.71E-06	2.71E-06	7.32E-08	1.77E-06	3.90E-07	5.61E-07	8.90E-07	1.57E-07	1.79E-07	4.02E-06
2699	490810.04	3859060.04	6.22E-03	6.71E-03	1.06E-02	2.15E-06	6.50E-06	3.76E-06	4.06E-06	3.68E-06	1.68E-06	2.66E-06	7.19E-08	1.74E-06	3.83E-07	5.51E-07	8.75E-07	1.54E-07	1.76E-07	3.95E-06
2700	490860.04	3859060.04	6.11E-03	6.60E-03	1.05E-02	2.12E-06	6.39E-06	3.70E-06	3.99E-06	3.62E-06	1.65E-06	2.62E-06	7.07E-08	1.71E-06	3.77E-07	5.42E-07	8.60E-07	1.52E-07	1.73E-07	3.88E-06
2701	490360.04	3859110.04	6.78E-03	7.31E-03	1.15E-02	2.35E-06	7.09E-06	4.10E-06	4.42E-06	4.01E-06	1.83E-06	2.88E-06	7.84E-08	1.89E-06	4.18E-07	6.01E-07	9.53E-07	1.68E-07	1.90E-07	4.30E-06
2702	490410.04	3859110.04	6.71E-03	7.23E-03	1.14E-02	2.32E-06	7.01E-06	4.06E-06	4.38E-06	3.97E-06	1.81E-06	2.85E-06	7.75E-08	1.87E-06	4.13E-07	5.94E-07	9.43E-07	1.66E-07	1.88E-07	4.25E-06
2703	490460.04	3859110.04	6.64E-03	7.16E-03	1.13E-02	2.30E-06	6.94E-06	4.02E-06	4.33E-06	3.93E-06	1.79E-06	2.83E-06	7.68E-08	1.85E-06	4.09E-07	5.88E-07	9.34E-07	1.65E-07	1.86E-07	4.21E-06
2704	490510.04	3859110.04	6.50E-03	7.01E-03	1.11E-02	2.25E-06	6.79E-06	3.93E-06	4.24E-06	3.84E-06	1.75E-06	2.77E-06	7.51E-08	1.81E-06	4.00E-07	5.76E-07	9.13E-07	1.61E-07	1.82E-07	4.12E-06
2705	490560.04	3859110.04	6.42E-03	6.92E-03	1.09E-02	2.22E-06	6.71E-06	3.88E-06	4.19E-06	3.80E-06	1.73E-06	2.73E-06	7.42E-08	1.79E-06	3.95E-07	5.68E-07	9.02E-07	1.59E-07	1.80E-07	4.07E-06
2706	490610.04	3859110.04	6.32E-03	6.82E-03	1.08E-02	2.19E-06	6.61E-06	3.83E-06	4.13E-06	3.74E-06	1.71E-06	2.70E-06	7.31E-08	1.77E-06	3.90E-07	5.60E-07	8.89E-07	1.57E-07	1.78E-07	4.01E-06
2707	490660.04	3859110.04	6.22E-03	6.71E-03	1.06E-02	2.15E-06	6.50E-06	3.76E-06	4.06E-06	3.68E-06	1.68E-06	2.66E-06	7.18E-08	1.74E-06	3.83E-07	5.51E-07	8.74E-07	1.54E-07	1.75E-07	3.94E-06

2708	490710.04	3859110.04	6.14E-03	6.62E-03	1.05E-02	2.13E-06	6.42E-06	3.71E-06	4.01E-06	3.63E-06	1.66E-06	2.63E-06	7.10E-08	1.71E-06	3.78E-07	5.44E-07	8.63E-07	1.52E-07	1.73E-07	3.90E-06
2709	490760.04	3859110.04	6.04E-03	6.52E-03	1.03E-02	2.09E-06	6.32E-06	3.66E-06	3.95E-06	3.58E-06	1.63E-06	2.59E-06	6.99E-08	1.69E-06	3.72E-07	5.36E-07	8.50E-07	1.50E-07	1.71E-07	3.84E-06
2710	490810.04	3859110.04	5.93E-03	6.40E-03	1.02E-02	2.05E-06	6.20E-06	3.59E-06	3.87E-06	3.51E-06	1.60E-06	2.54E-06	6.85E-08	1.66E-06	3.65E-07	5.26E-07	8.34E-07	1.47E-07	1.68E-07	3.76E-06
2711	490860.04	3859110.04	5.81E-03	6.27E-03	9.96E-03	2.01E-06	6.07E-06	3.52E-06	3.80E-06	3.44E-06	1.57E-06	2.49E-06	6.72E-08	1.62E-06	3.58E-07	5.15E-07	8.17E-07	1.44E-07	1.64E-07	3.69E-06
2712	490360.04	3859160.04	6.51E-03	7.01E-03	1.10E-02	2.25E-06	6.80E-06	3.94E-06	4.24E-06	3.85E-06	1.76E-06	2.76E-06	7.52E-08	1.82E-06	4.01E-07	5.76E-07	9.14E-07	1.61E-07	1.82E-07	4.13E-06
2713	490410.04	3859160.04	6.44E-03	6.95E-03	1.09E-02	2.23E-06	6.73E-06	3.90E-06	4.20E-06	3.81E-06	1.74E-06	2.74E-06	7.45E-08	1.80E-06	3.97E-07	5.71E-07	9.05E-07	1.60E-07	1.81E-07	4.09E-06
2714	490460.04	3859160.04	6.38E-03	6.88E-03	1.08E-02	2.21E-06	6.67E-06	3.86E-06	4.16E-06	3.77E-06	1.72E-06	2.71E-06	7.37E-08	1.78E-06	3.93E-07	5.65E-07	8.96E-07	1.58E-07	1.79E-07	4.05E-06
2715	490510.04	3859160.04	6.26E-03	6.76E-03	1.07E-02	2.17E-06	6.55E-06	3.79E-06	4.09E-06	3.71E-06	1.69E-06	2.67E-06	7.24E-08	1.75E-06	3.86E-07	5.55E-07	8.80E-07	1.55E-07	1.76E-07	3.97E-06
2716	490560.04	3859160.04	6.16E-03	6.65E-03	1.05E-02	2.13E-06	6.44E-06	3.73E-06	4.02E-06	3.65E-06	1.66E-06	2.63E-06	7.13E-08	1.72E-06	3.80E-07	5.46E-07	8.66E-07	1.53E-07	1.73E-07	3.91E-06
2717	490610.04	3859160.04	6.09E-03	6.57E-03	1.04E-02	2.11E-06	6.36E-06	3.68E-06	3.97E-06	3.60E-06	1.64E-06	2.60E-06	7.04E-08	1.70E-06	3.75E-07	5.39E-07	8.56E-07	1.51E-07	1.71E-07	3.86E-06
2718	490660.04	3859160.04	5.94E-03	6.41E-03	1.01E-02	2.06E-06	6.21E-06	3.59E-06	3.88E-06	3.51E-06	1.60E-06	2.54E-06	6.86E-08	1.66E-06	3.66E-07	5.26E-07	8.35E-07	1.47E-07	1.67E-07	3.77E-06
2719	490710.04	3859160.04	5.86E-03	6.32E-03	1.00E-02	2.03E-06	6.12E-06	3.55E-06	3.83E-06	3.47E-06	1.58E-06	2.51E-06	6.77E-08	1.64E-06	3.61E-07	5.19E-07	8.24E-07	1.45E-07	1.65E-07	3.72E-06
2720	490760.04	3859160.04	5.73E-03	6.18E-03	9.81E-03	1.98E-06	5.99E-06	3.47E-06	3.74E-06	3.39E-06	1.55E-06	2.45E-06	6.62E-08	1.60E-06	3.53E-07	5.08E-07	8.05E-07	1.42E-07	1.62E-07	3.64E-06
2721	490810.04	3859160.04	5.64E-03	6.09E-03	9.67E-03	1.95E-06	5.90E-06	3.41E-06	3.68E-06	3.34E-06	1.52E-06	2.42E-06	6.52E-08	1.58E-06	3.48E-07	5.00E-07	7.94E-07	1.40E-07	1.60E-07	3.58E-06
2722	490860.04	3859160.04	5.55E-03	5.99E-03	9.51E-03	1.92E-06	5.80E-06	3.36E-06	3.62E-06	3.28E-06	1.50E-06	2.38E-06	6.41E-08	1.55E-06	3.42E-07	4.92E-07	7.80E-07	1.38E-07	1.57E-07	3.52E-06
2723	490360.04	3859210.04	6.24E-03	6.73E-03	1.06E-02	2.16E-06	6.52E-06	3.78E-06	4.07E-06	3.69E-06	1.68E-06	2.65E-06	7.21E-08	1.74E-06	3.84E-07	5.53E-07	8.76E-07	1.54E-07	1.75E-07	3.96E-06
2724	490410.04	3859210.04	6.20E-03	6.68E-03	1.05E-02	2.14E-06	6.48E-06	3.75E-06	4.04E-06	3.66E-06	1.67E-06	2.63E-06	7.16E-08	1.73E-06	3.82E-07	5.49E-07	8.71E-07	1.53E-07	1.74E-07	3.93E-06
2725	490460.04	3859210.04	6.12E-03	6.61E-03	1.04E-02	2.12E-06	6.40E-06	3.71E-06	4.00E-06	3.62E-06	1.65E-06	2.61E-06	7.08E-08	1.71E-06	3.77E-07	5.43E-07	8.61E-07	1.52E-07	1.72E-07	3.89E-06
2726	490510.04	3859210.04	6.02E-03	6.49E-03	1.02E-02	2.08E-06	6.29E-06	3.64E-06	3.93E-06	3.56E-06	1.62E-06	2.56E-06	6.96E-08	1.68E-06	3.71E-07	5.33E-07	8.46E-07	1.49E-07	1.69E-07	3.82E-06
2727	490560.04	3859210.04	5.95E-03	6.42E-03	1.01E-02	2.06E-06	6.22E-06	3.60E-06	3.88E-06	3.52E-06	1.61E-06	2.54E-06	6.88E-08	1.66E-06	3.67E-07	5.27E-07	8.37E-07	1.47E-07	1.67E-07	3.78E-06
2728	490610.04	3859210.04	5.87E-03	6.33E-03	1.00E-02	2.03E-06	6.13E-06	3.55E-06	3.83E-06	3.47E-06	1.58E-06	2.50E-06	6.78E-08	1.64E-06	3.61E-07	5.20E-07	8.25E-07	1.45E-07	1.65E-07	3.72E-06
2729	490660.04	3859210.04	5.74E-03	6.19E-03	9.81E-03	1.99E-06	6.00E-06	3.47E-06	3.75E-06	3.40E-06	1.55E-06	2.45E-06	6.64E-08	1.60E-06	3.54E-07	5.09E-07	8.07E-07	1.42E-07	1.62E-07	3.64E-06
2730	490710.04	3859210.04	5.65E-03	6.10E-03	9.67E-03	1.96E-06	5.91E-06	3.42E-06	3.69E-06	3.35E-06	1.53E-06	2.42E-06	6.54E-08	1.58E-06	3.48E-07	5.01E-07	7.95E-07	1.40E-07	1.60E-07	3.59E-06
2731	490760.04	3859210.04	5.52E-03	5.96E-03	9.45E-03	1.91E-06	5.77E-06	3.34E-06	3.61E-06	3.27E-06	1.49E-06	2.37E-06	6.38E-08	1.54E-06	3.40E-07	4.89E-07	7.77E-07	1.37E-07	1.56E-07	3.50E-06
2732	490810.04	3859210.04	5.48E-03	5.92E-03	9.39E-03	1.90E-06	5.73E-06	3.32E-06	3.58E-06	3.25E-06	1.48E-06	2.35E-06	6.34E-08	1.53E-06	3.38E-07	4.86E-07	7.71E-07	1.36E-07	1.55E-07	3.48E-06
2733	490860.04	3859210.04	5.44E-03	5.87E-03	9.32E-03	1.88E-06	5.69E-06	3.29E-06	3.55E-06	3.22E-06	1.47E-06	2.33E-06	6.29E-08	1.52E-06	3.35E-07	4.82E-07	7.65E-07	1.35E-07	1.54E-07	3.45E-06
2734	490360.04	3859260.04	5.98E-03	6.45E-03	1.01E-02	2.07E-06	6.25E-06	3.62E-06	3.90E-06	3.54E-06	1.61E-06	2.54E-06	6.91E-08	1.67E-06	3.68E-07	5.30E-07	8.40E-07	1.48E-07	1.67E-07	3.79E-06
2735	490410.04	3859260.04	5.94E-03	6.40E-03	1.01E-02	2.06E-06	6.21E-06	3.59E-06	3.88E-06	3.51E-06	1.60E-06	2.52E-06	6.87E-08	1.66E-06	3.66E-07	5.26E-07	8.35E-07	1.47E-07	1.67E-07	3.77E-06
2736	490460.04	3859260.04	5.90E-03	6.36E-03	1.00E-02	2.04E-06	6.17E-06	3.57E-06	3.85E-06	3.49E-06	1.59E-06	2.51E-06	6.82E-08	1.65E-06	3.64E-07	5.23E-07	8.29E-07	1.46E-07	1.66E-07	3.74E-06
2737	490510.04	3859260.04	5.86E-03	6.32E-03	9.97E-03	2.03E-06	6.12E-06	3.55E-06	3.82E-06	3.47E-06	1.58E-06	2.50E-06	6.77E-08	1.64E-06	3.61E-07	5.19E-07	8.24E-07	1.45E-07	1.65E-07	3.72E-06
2738	490560.04	3859260.04	5.77E-03	6.22E-03	9.82E-03	2.00E-06	6.03E-06	3.49E-06	3.76E-06	3.41E-06	1.56E-06	2.46E-06	6.67E-08	1.61E-06	3.55E-07	5.11E-07	8.11E-07	1.43E-07	1.62E-07	3.66E-06
2739	490610.04	3859260.04	5.67E-03	6.12E-03	9.67E-03	1.96E-06	5.93E-06	3.43E-06	3.70E-06	3.36E-06	1.53E-06	2.42E-06	6.56E-08	1.58E-06	3.49E-07	5.03E-07	7.97E-07	1.41E-07	1.60E-07	3.60E-06
2740	490660.04	3859260.04	5.63E-03	6.08E-03	9.61E-03	1.95E-06	5.89E-06	3.41E-06	3.68E-06	3.33E-06	1.52E-06	2.41E-06	6.51E-08	1.57E-06	3.47E-07	4.99E-07	7.92E-07	1.40E-07	1.59E-07	3.58E-06
2741	490710.04	3859260.04	5.57E-03	6.01E-03	9.51E-03	1.93E-06	5.82E-06	3.37E-06	3.64E-06	3.30E-06	1.50E-06	2.38E-06	6.44E-08	1.56E-06	3.43E-07	4.94E-07	7.83E-07	1.38E-07	1.57E-07	3.54E-06
2742	490760.04	3859260.04	5.45E-03	5.89E-03	9.33E-03	1.89E-06	5.70E-06	3.30E-06	3.56E-06	3.23E-06	1.47E-06	2.33E-06	6.30E-08	1.52E-06	3.36E-07	4.84E-07	7.67E-07	1.35E-07	1.54E-07	3.46E-06
2743	490810.04	3859260.04	5.41E-03	5.83E-03	9.25E-03	1.87E-06	5.65E-06	3.27E-06	3.53E-06	3.20E-06	1.46E-06	2.31E-06	6.25E-08	1.51E-06	3.33E-07	4.79E-07	7.60E-07	1.34E-07	1.53E-07	3.43E-06
2744	490860.04	3859260.04	5.36E-03	5.78E-03	9.17E-03	1.85E-06	5.60E-06	3.24E-06	3.50E-06	3.17E-06	1.45E-06	2.29E-06	6.19E-08	1.50E-06	3.30E-07	4.75E-07	7.53E-07	1.33E-07	1.51E-07	3.40E-06
2745	490360.04	3859310.04	5.74E-03	6.18E-03	9.73E-03	1.99E-06	5.99E-06	3.47E-06	3.74E-06	3.39E-06	1.55E-06	2.43E-06	6.63E-08	1.60E-06	3.53E-07	5.08E-07	8.06E-07	1.42E-07	1.61E-07	3.64E-06
2746	490410.04	3859310.04	5.71E-03	6.15E-03	9.69E-03	1.98E-06	5.97E-06	3.45E-06	3.72E-06	3.38E-06	1.54E-06	2.43E-06	6.60E-08	1.59E-06	3.52E-07	5.06E-07	8.02E-07	1.41E-07	1.60E-07	3.62E-06
2747	490460.04	3859310.04	5.68E-03	6.12E-03	9.65E-03	1.96E-06	5.93E-06	3.43E-06	3.70E-06	3.36E-06	1.53E-06	2.41E-06	6.56E-08	1.58E-06	3.50E-07	5.03E-07	7.98E-07	1.41E-07	1.59E-07	3.60E-06
2748	490510.04	3859310.04	5.64E-03	6.09E-03	9.60E-03	1.95E-06	5.90E-06	3.42E-06	3.68E-06	3.34E-06	1.52E-06	2.40E-06	6.52E-08	1.58E-06	3.48E-07	5.00E-07	7.93E-07	1.40E-07	1.59E-07	3.58E-06
2749	490560.04	3859310.04	5.61E-03	6.05E-03	9.55E-03	1.94E-06	5.86E-06	3.39E-06	3.66E-06	3.32E-06	1.51E-06	2.39E-06	6.48E-08	1.57E-06	3.46E-07	4.97E-07	7.89E-07	1.39E-07	1.58E-07	3.56E-06
2750	490610.04	3859310.04	5.58E-03	6.02E-03	9.50E-03	1.93E-06	5.83E-06	3.37E-06	3.64E-06	3.30E-06	1.51E-06	2.38E-06	6.45E-08	1.56E-06	3.44E-07	4.94E-07	7.84E-07	1.38E-07	1.57E-07	3.54E-06
2751	490660.04	3859310.04	5.50E-03	5.93E-03	9.37E-03	1.90E-06	5.75E-06	3.33E-06	3.59E-06	3.25E-06	1.48E-06	2.35E-06	6.36E-08	1.54E-06	3.39E-07	4.87E-07	7.73E-07	1.36E-07	1.55E-07	3.49E-06
2752	490710.04	3859310.04	5.41E-03	5.84E-03	9.24E-03	1.87E-06	5.66E-06	3.27E-06	3.53E-06	3.20E-06	1.46E-06	2.31E-06	6.26E-08	1.51E-06	3.33E-07	4.80E-07	7.61E-07	1.34E-07	1.52E-07	3.43E-06
2753	490760.04	3859310.04	5.35E-03	5.77E-03	9.14E-03	1.85E-06	5.59E-06	3.24E-06	3.49E-06	3.17E-06	1.44E-06	2.29E-06	6.18E-08	1.49E-06	3.30E-07	4.74E-07	7.52E-07	1.33E-07	1.51E-07	3.39E-06
2754	490810.04	3859310.04	5.30E-03	5.72E-03	9.07E-03	1.84E-06	5.54E-06	3.21E-06	3.46E-06	3.14E-06	1.43E-06	2.27E-06	6.13E-08	1.48E-06	3.27E-07	4.70E-07	7.46E-07	1.31E-07	1.50E-07	3.37E-06
2755	490860.04	3859310.04	5.24E-03	5.66E-03	8.96E-03	1.81E-06	5.48E-06	3.17E-06	3.42E-06	3.10E-06	1.42E-06	2.24E-06	6.06E-08	1.46E-06	3.23E-07	4.65E-07	7.37E-07	1.30E-07	1.48E-07	3.33E-06
2756	490360.04	3859360.04	5.50E-03	5.93E-03	9.32E-03	1.90E-06	5.75E-06	3.33E-06	3.59E-06	3.25E-06	1.48E-06	2.33E-06	6.35E-08	1.54E-06	3.39E-07	4.87E-07	7.72E-07	1.36E-07	1.54E-07	3.49E-06
2757	490410.04	3859360.04	5.48E-03	5.91E-03	9.30E-03	1.90E-06	5.73E-06	3.32E-06	3.58E-06	3.24E-06	1.48E-06	2.33E-06	6.34E-08	1.53E-06	3.38E-07	4.85E-07	7.70E-07	1.36E-07	1.54E-07	3.48E-06
2758	490460.04	3859360.04	5.46E-03	5.89E-03	9.28E-03	1.89E-06	5.71E-06	3.31E-06	3.56E-06	3.23E-06	1.47E-06	2.32E-06	6.31E-08	1.53E-06	3.37E-07	4.84E-07	7.68E-07	1.35E-07	1.53E-07	3.47E-06
2759	490510.04	3859360.04	5.44E-03	5.87E-03	9.25E-03	1.88E-06	5.69E-06	3.29E-06	3.55E-06	3.22E-06	1.47E-06	2.32E-06	6.29E-08	1.52E-06	3.35E-07	4.82E-07	7.65E-07	1.35E-07	1.53E-07	3.45E-06
2760	490560.04	3859360.04	5.41E-03	5.84E-03	9.21E-03	1.87E-06	5.66E-06	3.27E-06	3.53E-06	3.20E-06	1.46E-06	2.31E-06	6.26E-08	1.51E-06	3.33E-07	4.80E-07	7.61E-07	1.34E-07	1.52E-07	3.43E-06
2761	490610.04	3859360.04	5.38E-03	5.80E-03	9.16E-03	1.86E-06	5.62E-06	3.25E-06	3.51E-06	3.18E-06	1.45E-06	2.29E-06	6.22E-08	1.50E-06	3.31E-07	4.77E-07	7.56E-07	1.33E-07	1.51E-07	3.41E-06
2762	490660.04	3859360.04	5.35E-03	5.77E-03	9.12E-03	1.85E-06	5.59E-06	3.24E-06	3.49E-06	3.16E-06	1.44E-06	2.28E-06	6.18E-08	1.49E-06	3.29E-07	4.74E-07	7.52E-07	1.32E-07	1.51E-07	3.39E-06
2763	490710.04	3859360.04	5.27E-03	5.69E-03	8.99E-03	1.82E-06	5.51E-06	3.19E-06	3.44E-06	3.12E-06	1.42E-06	2.25E-06	6.09E-08	1.47E-06	3.25E-07	4.67E-07	7.41E-07	1.31E-07	1.48E-07	3.34E-06
2764	490760.04	3859360.04	5.21E-03	5.62E-03	8.89E-03	1.80E-06	5.44E-06	3.15E-06	3.40E-06	3.08E-06	1.41E-06	2.23E-06	6.02E-08	1.45E-06	3.21E-07	4.62E-07	7.32E-07	1.29E-07	1.47E-07	3.31E-06
2765	490810.04	3859360.04	5.18E-03	5.59E-03	8.85E-03	1.79E-06	5.42E-06	3.14E-06	3.38E-06	3.07E-06	1.40E-06	2.21E-06	5.99E-08	1.45E-06	3.19E-07	4.59E-07	7.29E-07	1.28E-07	1.46E-07	3.29E-06
2766	490860.04	3859360.04	5.13E-03	5.54E-03	8.77E-03	1.78E-06	5.37E-06	3.11E-06	3.35E-06	3.04E-06	1.39E-06	2.20E-06	5.93E-08	1.43E-06	3.16E-07	4.55E-07	7.22E-07	1.27E-07	1.45E-07	3.26E-06

2767	490360.04	3859410.04	5.26E-03	5.67E-03	8.92E-03	1.82E-06	5.50E-06	3.18E-06	3.43E-06	3.11E-06	1.42E-06	2.23E-06	6.08E-08	1.47E-06	3.24E-07	4.66E-07	7.39E-07	1.30E-07	1.47E-07	3.34E-06
2768	490410.04	3859410.04	5.25E-03	5.66E-03	8.91E-03	1.82E-06	5.49E-06	3.18E-06	3.43E-06	3.11E-06	1.42E-06	2.23E-06	6.07E-08	1.47E-06	3.24E-07	4.65E-07	7.38E-07	1.30E-07	1.47E-07	3.33E-06
2769	490460.04	3859410.04	5.24E-03	5.65E-03	8.90E-03	1.82E-06	5.48E-06	3.17E-06	3.42E-06	3.10E-06	1.42E-06	2.23E-06	6.06E-08	1.46E-06	3.23E-07	4.65E-07	7.37E-07	1.30E-07	1.47E-07	3.33E-06
2770	490510.04	3859410.04	5.23E-03	5.64E-03	8.89E-03	1.81E-06	5.47E-06	3.17E-06	3.41E-06	3.09E-06	1.41E-06	2.22E-06	6.05E-08	1.46E-06	3.22E-07	4.63E-07	7.35E-07	1.30E-07	1.47E-07	3.32E-06
2771	490560.04	3859410.04	5.22E-03	5.62E-03	8.87E-03	1.81E-06	5.45E-06	3.16E-06	3.40E-06	3.09E-06	1.41E-06	2.22E-06	6.03E-08	1.46E-06	3.21E-07	4.62E-07	7.33E-07	1.29E-07	1.46E-07	3.31E-06
2772	490610.04	3859410.04	5.20E-03	5.60E-03	8.84E-03	1.80E-06	5.43E-06	3.14E-06	3.39E-06	3.07E-06	1.40E-06	2.21E-06	6.01E-08	1.45E-06	3.20E-07	4.60E-07	7.30E-07	1.29E-07	1.46E-07	3.30E-06
2773	490660.04	3859410.04	5.17E-03	5.57E-03	8.80E-03	1.79E-06	5.40E-06	3.13E-06	3.37E-06	3.06E-06	1.39E-06	2.20E-06	5.97E-08	1.44E-06	3.18E-07	4.58E-07	7.26E-07	1.28E-07	1.45E-07	3.28E-06
2774	490710.04	3859410.04	5.14E-03	5.54E-03	8.76E-03	1.78E-06	5.37E-06	3.11E-06	3.35E-06	3.04E-06	1.39E-06	2.19E-06	5.94E-08	1.43E-06	3.16E-07	4.55E-07	7.22E-07	1.27E-07	1.45E-07	3.26E-06
2775	490760.04	3859410.04	5.07E-03	5.47E-03	8.64E-03	1.75E-06	5.30E-06	3.07E-06	3.31E-06	3.00E-06	1.37E-06	2.16E-06	5.86E-08	1.41E-06	3.12E-07	4.49E-07	7.12E-07	1.26E-07	1.43E-07	3.21E-06
2776	490810.04	3859410.04	5.04E-03	5.44E-03	8.60E-03	1.74E-06	5.27E-06	3.05E-06	3.29E-06	2.98E-06	1.36E-06	2.15E-06	5.82E-08	1.41E-06	3.10E-07	4.47E-07	7.08E-07	1.25E-07	1.42E-07	3.20E-06
2777	490860.04	3859410.04	5.02E-03	5.42E-03	8.57E-03	1.74E-06	5.25E-06	3.04E-06	3.28E-06	2.97E-06	1.36E-06	2.14E-06	5.80E-08	1.40E-06	3.09E-07	4.45E-07	7.06E-07	1.24E-07	1.41E-07	3.19E-06
2778	490360.04	3859460.04	5.03E-03	5.42E-03	8.52E-03	1.74E-06	5.26E-06	3.05E-06	3.28E-06	2.98E-06	1.36E-06	2.13E-06	5.82E-08	1.41E-06	3.10E-07	4.46E-07	7.07E-07	1.25E-07	1.41E-07	3.19E-06
2779	490410.04	3859460.04	5.03E-03	5.43E-03	8.53E-03	1.74E-06	5.26E-06	3.05E-06	3.28E-06	2.98E-06	1.36E-06	2.14E-06	5.82E-08	1.41E-06	3.10E-07	4.46E-07	7.07E-07	1.25E-07	1.41E-07	3.19E-06
2780	490460.04	3859460.04	5.03E-03	5.42E-03	8.53E-03	1.74E-06	5.26E-06	3.04E-06	3.28E-06	2.97E-06	1.36E-06	2.14E-06	5.81E-08	1.40E-06	3.10E-07	4.45E-07	7.07E-07	1.25E-07	1.41E-07	3.19E-06
2781	490510.04	3859460.04	5.02E-03	5.42E-03	8.53E-03	1.74E-06	5.25E-06	3.04E-06	3.28E-06	2.97E-06	1.36E-06	2.14E-06	5.81E-08	1.40E-06	3.10E-07	4.45E-07	7.06E-07	1.24E-07	1.41E-07	3.19E-06
2782	490560.04	3859460.04	5.01E-03	5.41E-03	8.52E-03	1.74E-06	5.24E-06	3.03E-06	3.27E-06	2.97E-06	1.35E-06	2.13E-06	5.80E-08	1.40E-06	3.09E-07	4.44E-07	7.05E-07	1.24E-07	1.41E-07	3.18E-06
2783	490610.04	3859460.04	5.00E-03	5.40E-03	8.51E-03	1.73E-06	5.23E-06	3.03E-06	3.26E-06	2.96E-06	1.35E-06	2.13E-06	5.78E-08	1.40E-06	3.08E-07	4.43E-07	7.03E-07	1.24E-07	1.40E-07	3.17E-06
2784	490660.04	3859460.04	4.99E-03	5.38E-03	8.49E-03	1.73E-06	5.21E-06	3.02E-06	3.25E-06	2.95E-06	1.35E-06	2.13E-06	5.76E-08	1.39E-06	3.07E-07	4.42E-07	7.01E-07	1.24E-07	1.40E-07	3.16E-06
2785	490710.04	3859460.04	4.97E-03	5.36E-03	8.47E-03	1.72E-06	5.19E-06	3.01E-06	3.24E-06	2.94E-06	1.34E-06	2.12E-06	5.74E-08	1.39E-06	3.06E-07	4.40E-07	6.98E-07	1.23E-07	1.40E-07	3.15E-06
2786	490760.04	3859460.04	4.94E-03	5.33E-03	8.43E-03	1.71E-06	5.17E-06	2.99E-06	3.23E-06	2.93E-06	1.34E-06	2.11E-06	5.72E-08	1.38E-06	3.05E-07	4.38E-07	6.95E-07	1.23E-07	1.39E-07	3.14E-06
2787	490810.04	3859460.04	4.92E-03	5.31E-03	8.40E-03	1.70E-06	5.14E-06	2.98E-06	3.21E-06	2.91E-06	1.33E-06	2.10E-06	5.69E-08	1.37E-06	3.03E-07	4.36E-07	6.92E-07	1.22E-07	1.39E-07	3.12E-06
2788	490860.04	3859460.04	4.90E-03	5.29E-03	8.37E-03	1.70E-06	5.12E-06	2.96E-06	3.20E-06	2.90E-06	1.32E-06	2.09E-06	5.66E-08	1.37E-06	3.02E-07	4.34E-07	6.89E-07	1.21E-07	1.38E-07	3.11E-06
2789	490360.04	3859510.04	4.81E-03	5.18E-03	8.14E-03	1.67E-06	5.03E-06	2.91E-06	3.14E-06	2.84E-06	1.30E-06	2.04E-06	5.56E-08	1.34E-06	2.96E-07	4.26E-07	6.76E-07	1.19E-07	1.34E-07	3.05E-06
2790	490410.04	3859510.04	4.81E-03	5.19E-03	8.16E-03	1.67E-06	5.03E-06	2.91E-06	3.14E-06	2.85E-06	1.30E-06	2.04E-06	5.57E-08	1.34E-06	2.97E-07	4.26E-07	6.76E-07	1.19E-07	1.35E-07	3.05E-06
2791	490460.04	3859510.04	4.82E-03	5.19E-03	8.17E-03	1.67E-06	5.04E-06	2.92E-06	3.14E-06	2.85E-06	1.30E-06	2.05E-06	5.57E-08	1.35E-06	2.97E-07	4.27E-07	6.77E-07	1.19E-07	1.35E-07	3.06E-06
2792	490510.04	3859510.04	4.82E-03	5.20E-03	8.18E-03	1.67E-06	5.04E-06	2.92E-06	3.14E-06	2.85E-06	1.30E-06	2.05E-06	5.57E-08	1.35E-06	2.97E-07	4.27E-07	6.77E-07	1.19E-07	1.35E-07	3.06E-06
2793	490560.04	3859510.04	4.82E-03	5.19E-03	8.18E-03	1.67E-06	5.03E-06	2.91E-06	3.14E-06	2.85E-06	1.30E-06	2.05E-06	5.57E-08	1.34E-06	2.97E-07	4.27E-07	6.77E-07	1.19E-07	1.35E-07	3.05E-06
2794	490610.04	3859510.04	4.81E-03	5.19E-03	8.18E-03	1.67E-06	5.03E-06	2.91E-06	3.14E-06	2.85E-06	1.30E-06	2.05E-06	5.56E-08	1.34E-06	2.96E-07	4.26E-07	6.76E-07	1.19E-07	1.35E-07	3.05E-06
2795	490660.04	3859510.04	4.80E-03	5.18E-03	8.17E-03	1.66E-06	5.02E-06	2.91E-06	3.13E-06	2.84E-06	1.30E-06	2.05E-06	5.55E-08	1.34E-06	2.96E-07	4.26E-07	6.75E-07	1.19E-07	1.35E-07	3.05E-06
2796	490710.04	3859510.04	4.79E-03	5.17E-03	8.16E-03	1.66E-06	5.01E-06	2.90E-06	3.13E-06	2.84E-06	1.29E-06	2.04E-06	5.54E-08	1.34E-06	2.95E-07	4.25E-07	6.74E-07	1.19E-07	1.35E-07	3.04E-06
2797	490760.04	3859510.04	4.78E-03	5.15E-03	8.14E-03	1.65E-06	4.99E-06	2.89E-06	3.12E-06	2.83E-06	1.29E-06	2.04E-06	5.52E-08	1.33E-06	2.94E-07	4.23E-07	6.72E-07	1.18E-07	1.34E-07	3.03E-06
2798	490810.04	3859510.04	4.76E-03	5.14E-03	8.12E-03	1.65E-06	4.98E-06	2.88E-06	3.11E-06	2.82E-06	1.29E-06	2.03E-06	5.50E-08	1.33E-06	2.93E-07	4.22E-07	6.69E-07	1.18E-07	1.34E-07	3.02E-06
2799	490860.04	3859510.04	4.74E-03	5.12E-03	8.09E-03	1.64E-06	4.96E-06	2.87E-06	3.10E-06	2.81E-06	1.28E-06	2.03E-06	5.48E-08	1.32E-06	2.92E-07	4.20E-07	6.67E-07	1.18E-07	1.34E-07	3.01E-06
2800	490360.04	3859560.04	4.59E-03	4.95E-03	7.77E-03	1.59E-06	4.80E-06	2.78E-06	2.99E-06	2.71E-06	1.24E-06	1.94E-06	5.31E-08	1.28E-06	2.83E-07	4.06E-07	6.45E-07	1.14E-07	1.28E-07	2.91E-06
2801	490410.04	3859560.04	4.60E-03	4.96E-03	7.79E-03	1.59E-06	4.81E-06	2.78E-06	3.00E-06	2.72E-06	1.24E-06	1.95E-06	5.32E-08	1.28E-06	2.84E-07	4.07E-07	6.46E-07	1.14E-07	1.29E-07	2.92E-06
2802	490460.04	3859560.04	4.61E-03	4.97E-03	7.82E-03	1.60E-06	4.82E-06	2.79E-06	3.01E-06	2.73E-06	1.24E-06	1.96E-06	5.33E-08	1.29E-06	2.84E-07	4.08E-07	6.48E-07	1.14E-07	1.29E-07	2.92E-06
2803	490510.04	3859560.04	4.62E-03	4.98E-03	7.84E-03	1.60E-06	4.83E-06	2.79E-06	3.01E-06	2.73E-06	1.25E-06	1.96E-06	5.34E-08	1.29E-06	2.85E-07	4.09E-07	6.49E-07	1.14E-07	1.29E-07	2.93E-06
2804	490560.04	3859560.04	4.62E-03	4.98E-03	7.85E-03	1.60E-06	4.83E-06	2.80E-06	3.01E-06	2.73E-06	1.25E-06	1.96E-06	5.34E-08	1.29E-06	2.85E-07	4.09E-07	6.49E-07	1.14E-07	1.30E-07	2.93E-06
2805	490610.04	3859560.04	4.62E-03	4.98E-03	7.85E-03	1.60E-06	4.83E-06	2.80E-06	3.02E-06	2.73E-06	1.25E-06	1.97E-06	5.34E-08	1.29E-06	2.85E-07	4.09E-07	6.49E-07	1.14E-07	1.30E-07	2.93E-06
2806	490660.04	3859560.04	4.62E-03	4.98E-03	7.86E-03	1.60E-06	4.83E-06	2.80E-06	3.01E-06	2.73E-06	1.25E-06	1.97E-06	5.34E-08	1.29E-06	2.85E-07	4.09E-07	6.49E-07	1.14E-07	1.30E-07	2.93E-06
2807	490710.04	3859560.04	4.62E-03	4.98E-03	7.86E-03	1.60E-06	4.83E-06	2.79E-06	3.01E-06	2.73E-06	1.25E-06	1.97E-06	5.34E-08	1.29E-06	2.84E-07	4.09E-07	6.49E-07	1.14E-07	1.30E-07	2.93E-06
2808	490760.04	3859560.04	4.61E-03	4.97E-03	7.85E-03	1.60E-06	4.82E-06	2.79E-06	3.01E-06	2.73E-06	1.24E-06	1.97E-06	5.33E-08	1.29E-06	2.84E-07	4.08E-07	6.48E-07	1.14E-07	1.30E-07	2.92E-06
2809	490810.04	3859560.04	4.60E-03	4.96E-03	7.84E-03	1.59E-06	4.81E-06	2.78E-06	3.00E-06	2.72E-06	1.24E-06	1.96E-06	5.32E-08	1.28E-06	2.83E-07	4.08E-07	6.46E-07	1.14E-07	1.29E-07	2.92E-06
2810	490860.04	3859560.04	4.58E-03	4.94E-03	7.82E-03	1.59E-06	4.79E-06	2.77E-06	2.99E-06	2.71E-06	1.24E-06	1.96E-06	5.30E-08	1.28E-06	2.82E-07	4.06E-07	6.44E-07	1.14E-07	1.29E-07	2.91E-06
2811	490187.25	3859422.08	5.20E-03	5.61E-03	8.79E-03	1.80E-06	5.44E-06	3.15E-06	3.39E-06	3.08E-06	1.40E-06	2.20E-06	6.02E-08	1.45E-06	3.21E-07	4.61E-07	7.31E-07	1.29E-07	1.45E-07	3.30E-06
2812	490237.25	3859422.08	5.21E-03	5.61E-03	8.80E-03	1.80E-06	5.44E-06	3.15E-06	3.40E-06	3.08E-06	1.40E-06	2.20E-06	6.02E-08	1.45E-06	3.21E-07	4.61E-07	7.31E-07	1.29E-07	1.45E-07	3.30E-06
2813	490287.25	3859422.08	5.21E-03	5.61E-03	8.81E-03	1.80E-06	5.45E-06	3.15E-06	3.40E-06	3.08E-06	1.41E-06	2.21E-06	6.02E-08	1.45E-06	3.21E-07	4.61E-07	7.32E-07	1.29E-07	1.45E-07	3.30E-06
2814	490337.25	3859422.08	5.21E-03	5.61E-03	8.82E-03	1.80E-06	5.44E-06	3.15E-06	3.40E-06	3.08E-06	1.41E-06	2.21E-06	6.02E-08	1.45E-06	3.21E-07	4.61E-07	7.32E-07	1.29E-07	1.46E-07	3.30E-06
2815	490187.25	3859472.08	4.96E-03	5.34E-03	8.37E-03	1.72E-06	5.18E-06	3.00E-06	3.23E-06	2.93E-06	1.34E-06	2.09E-06	5.73E-08	1.38E-06	3.05E-07	4.39E-07	6.96E-07	1.23E-07	1.38E-07	3.14E-06
2816	490237.25	3859472.08	4.96E-03	5.35E-03	8.39E-03	1.72E-06	5.19E-06	3.00E-06	3.24E-06	2.93E-06	1.34E-06	2.10E-06	5.74E-08	1.39E-06	3.06E-07	4.40E-07	6.97E-07	1.23E-07	1.39E-07	3.15E-06
2817	490287.25	3859472.08	4.98E-03	5.36E-03	8.42E-03	1.72E-06	5.20E-06	3.01E-06	3.24E-06	2.94E-06	1.34E-06	2.11E-06	5.75E-08	1.39E-06	3.07E-07	4.41E-07	6.99E-07	1.23E-07	1.39E-07	3.15E-06
2818	490337.25	3859472.08	4.98E-03	5.37E-03	8.43E-03	1.72E-06	5.20E-06	3.01E-06	3.25E-06	2.94E-06	1.34E-06	2.11E-06	5.75E-08	1.39E-06	3.07E-07	4.41E-07	6.99E-07	1.23E-07	1.39E-07	3.16E-06
2819	490297.07	3859500.42	4.85E-03	5.22E-03	8.20E-03	1.68E-06	5.06E-06	2.93E-06	3.16E-06	2.86E-06	1.31E-06	2.05E-06	5.60E-08	1.35E-06	2.99E-07	4.29E-07	6.81E-07	1.20E-07	1.35E-07	3.07E-06
2820	490327.07	3859500.42	4.85E-03	5.22E-03	8.20E-03	1.68E-06	5.07E-06	2.93E-06	3.16E-06	2.87E-06	1.31E-06	2.05E-06	5.60E-08	1.35E-06	2.99E-07	4.29E-07	6.81E-07	1.20E-07	1.35E-07	3.07E-06
2821	490297.07	3859530.42	4.70E-03	5.07E-03	7.96E-03	1.63E-06	4.92E-06	2.85E-06	3.07E-06	2.78E-06	1.27E-06	1.99E-06	5.44E-08	1.31E-06	2.90E-07	4.16E-07	6.61E-07	1.16E-07	1.31E-07	2.98E-06
2822	490327.07	3859530.42	4.71E-03	5.08E-03	7.97E-03	1.63E-06	4.93E-06	2.85E-06	3.07E-06	2.79E-06	1.27E-06	2.00E-06	5.45E-08	1.32E-06	2.90E-07	4.17E-07	6.62E-07	1.17E-07	1.32E-07	2.99E-06
2823	490319.73	3859055.34	7.16E-03	7.72E-03	1.21E-02	2.48E-06	7.48E-06	4.33E-06	4.67E-06	4.23E-06	1.93E-06	3.03E-06	8.28E-08	2.00E-06	4.41E-07	6.34E-07	1.01E-06	1.77E-07	2.00E-07	4.54E-06
2824	490319.73	3859105.34	6.86E-03	7.39E-03	1.16E-02	2.38E-06	7.17E-06	4.15E-06	4.47E-06	4.06E-06	1.85E-06	2.90E-06	7.93E-08	1.92E-06	4.23E-07	6.07E-07	9.64E-07	1.70E-07	1.92E-07	4.35E-06
2825	490069.73	3859155.34	6.77E-03	7.29E-03	1.14E-02	2.34E-06	7.08E-06	4.10E-06	4.41E-06	4.00E-06	1.82E-06	2.85E-06	7.83E-08	1.89E-06	4.17E-07	5.99E-07	9.50E-07	1.67E-07	1.88E-07	4.29E-06

2826	490119.73	3859155.34	6.73E-03	7.25E-03	1.13E-02	2.33E-06	7.04E-06	4.07E-06	4.39E-06	3.98E-06	1.81E-06	2.84E-06	7.78E-08	1.88E-06	4.15E-07	5.96E-07	9.45E-07	1.67E-07	1.87E-07	4.27E-06
2827	490269.73	3859155.34	6.62E-03	7.13E-03	1.12E-02	2.29E-06	6.92E-06	4.00E-06	4.31E-06	3.91E-06	1.78E-06	2.80E-06	7.65E-08	1.85E-06	4.08E-07	5.86E-07	9.29E-07	1.64E-07	1.84E-07	4.20E-06
2828	490319.73	3859155.34	6.57E-03	7.09E-03	1.11E-02	2.28E-06	6.87E-06	3.98E-06	4.29E-06	3.89E-06	1.77E-06	2.78E-06	7.60E-08	1.84E-06	4.05E-07	5.82E-07	9.23E-07	1.63E-07	1.84E-07	4.17E-06
2829	490069.73	3859205.34	6.44E-03	6.94E-03	1.08E-02	2.23E-06	6.73E-06	3.90E-06	4.20E-06	3.81E-06	1.74E-06	2.71E-06	7.45E-08	1.80E-06	3.97E-07	5.70E-07	9.04E-07	1.59E-07	1.79E-07	4.08E-06
2830	490119.73	3859205.34	6.41E-03	6.91E-03	1.08E-02	2.22E-06	6.70E-06	3.88E-06	4.18E-06	3.79E-06	1.73E-06	2.70E-06	7.41E-08	1.79E-06	3.95E-07	5.67E-07	9.00E-07	1.59E-07	1.78E-07	4.06E-06
2831	490169.73	3859205.34	6.39E-03	6.88E-03	1.08E-02	2.21E-06	6.67E-06	3.86E-06	4.16E-06	3.77E-06	1.72E-06	2.69E-06	7.38E-08	1.78E-06	3.93E-07	5.65E-07	8.96E-07	1.58E-07	1.78E-07	4.05E-06
2832	490219.73	3859205.34	6.36E-03	6.85E-03	1.07E-02	2.20E-06	6.65E-06	3.85E-06	4.15E-06	3.76E-06	1.72E-06	2.69E-06	7.35E-08	1.78E-06	3.92E-07	5.63E-07	8.93E-07	1.57E-07	1.77E-07	4.03E-06
2833	490269.73	3859205.34	6.33E-03	6.82E-03	1.07E-02	2.19E-06	6.62E-06	3.83E-06	4.13E-06	3.74E-06	1.71E-06	2.68E-06	7.32E-08	1.77E-06	3.90E-07	5.61E-07	8.89E-07	1.57E-07	1.77E-07	4.01E-06
2834	490319.73	3859205.34	6.30E-03	6.79E-03	1.07E-02	2.18E-06	6.58E-06	3.81E-06	4.11E-06	3.72E-06	1.70E-06	2.67E-06	7.28E-08	1.76E-06	3.88E-07	5.58E-07	8.84E-07	1.56E-07	1.76E-07	3.99E-06
2835	490069.73	3859255.34	6.14E-03	6.61E-03	1.03E-02	2.12E-06	6.41E-06	3.71E-06	4.00E-06	3.62E-06	1.65E-06	2.58E-06	7.09E-08	1.71E-06	3.78E-07	5.43E-07	8.61E-07	1.52E-07	1.71E-07	3.89E-06
2836	490119.73	3859255.34	6.11E-03	6.59E-03	1.03E-02	2.12E-06	6.39E-06	3.70E-06	3.98E-06	3.61E-06	1.65E-06	2.58E-06	7.07E-08	1.71E-06	3.77E-07	5.41E-07	8.58E-07	1.51E-07	1.70E-07	3.88E-06
2837	490169.73	3859255.34	6.09E-03	6.57E-03	1.03E-02	2.11E-06	6.37E-06	3.69E-06	3.97E-06	3.60E-06	1.64E-06	2.57E-06	7.05E-08	1.70E-06	3.76E-07	5.39E-07	8.56E-07	1.51E-07	1.70E-07	3.86E-06
2838	490219.73	3859255.34	6.08E-03	6.55E-03	1.03E-02	2.10E-06	6.35E-06	3.68E-06	3.96E-06	3.59E-06	1.64E-06	2.57E-06	7.03E-08	1.70E-06	3.75E-07	5.38E-07	8.54E-07	1.50E-07	1.69E-07	3.85E-06
2839	490269.73	3859255.34	6.06E-03	6.53E-03	1.02E-02	2.10E-06	6.33E-06	3.67E-06	3.95E-06	3.58E-06	1.63E-06	2.56E-06	7.00E-08	1.69E-06	3.73E-07	5.36E-07	8.51E-07	1.50E-07	1.69E-07	3.84E-06
2840	490319.73	3859255.34	6.03E-03	6.50E-03	1.02E-02	2.09E-06	6.30E-06	3.65E-06	3.93E-06	3.57E-06	1.63E-06	2.56E-06	6.97E-08	1.68E-06	3.72E-07	5.34E-07	8.47E-07	1.49E-07	1.69E-07	3.82E-06
2841	490069.73	3859305.34	5.84E-03	6.29E-03	9.84E-03	2.02E-06	6.11E-06	3.54E-06	3.81E-06	3.45E-06	1.58E-06	2.46E-06	6.75E-08	1.63E-06	3.60E-07	5.17E-07	8.20E-07	1.45E-07	1.62E-07	3.70E-06
2842	490119.73	3859305.34	5.83E-03	6.28E-03	9.82E-03	2.02E-06	6.09E-06	3.53E-06	3.80E-06	3.44E-06	1.57E-06	2.46E-06	6.74E-08	1.63E-06	3.59E-07	5.16E-07	8.18E-07	1.44E-07	1.62E-07	3.69E-06
2843	490169.73	3859305.34	5.82E-03	6.27E-03	9.81E-03	2.01E-06	6.08E-06	3.52E-06	3.79E-06	3.44E-06	1.57E-06	2.46E-06	6.72E-08	1.62E-06	3.58E-07	5.15E-07	8.17E-07	1.44E-07	1.62E-07	3.69E-06
2844	490219.73	3859305.34	5.81E-03	6.26E-03	9.81E-03	2.01E-06	6.07E-06	3.51E-06	3.79E-06	3.43E-06	1.57E-06	2.45E-06	6.71E-08	1.62E-06	3.58E-07	5.14E-07	8.15E-07	1.44E-07	1.62E-07	3.68E-06
2845	490269.73	3859305.34	5.79E-03	6.24E-03	9.80E-03	2.01E-06	6.05E-06	3.51E-06	3.78E-06	3.42E-06	1.56E-06	2.45E-06	6.70E-08	1.62E-06	3.57E-07	5.13E-07	8.14E-07	1.43E-07	1.62E-07	3.67E-06
2846	490319.73	3859305.34	5.78E-03	6.23E-03	9.78E-03	2.00E-06	6.04E-06	3.50E-06	3.77E-06	3.42E-06	1.56E-06	2.45E-06	6.68E-08	1.61E-06	3.56E-07	5.12E-07	8.11E-07	1.43E-07	1.62E-07	3.66E-06
2847	490069.73	3859355.34	5.56E-03	5.99E-03	9.36E-03	1.92E-06	5.81E-06	3.36E-06	3.62E-06	3.28E-06	1.50E-06	2.34E-06	6.42E-08	1.55E-06	3.42E-07	4.92E-07	7.80E-07	1.37E-07	1.55E-07	3.52E-06
2848	490119.73	3859355.34	5.55E-03	5.98E-03	9.36E-03	1.92E-06	5.80E-06	3.36E-06	3.62E-06	3.28E-06	1.50E-06	2.34E-06	6.42E-08	1.55E-06	3.42E-07	4.91E-07	7.79E-07	1.37E-07	1.54E-07	3.52E-06
2849	490169.73	3859355.34	5.55E-03	5.97E-03	9.36E-03	1.92E-06	5.80E-06	3.36E-06	3.62E-06	3.28E-06	1.50E-06	2.34E-06	6.41E-08	1.55E-06	3.42E-07	4.91E-07	7.79E-07	1.37E-07	1.54E-07	3.52E-06
2850	490219.73	3859355.34	5.54E-03	5.97E-03	9.37E-03	1.92E-06	5.79E-06	3.35E-06	3.61E-06	3.28E-06	1.49E-06	2.34E-06	6.41E-08	1.55E-06	3.42E-07	4.91E-07	7.78E-07	1.37E-07	1.55E-07	3.51E-06
2851	490269.73	3859355.34	5.54E-03	5.97E-03	9.36E-03	1.92E-06	5.79E-06	3.35E-06	3.61E-06	3.27E-06	1.49E-06	2.34E-06	6.40E-08	1.55E-06	3.41E-07	4.90E-07	7.78E-07	1.37E-07	1.55E-07	3.51E-06
2852	490319.73	3859355.34	5.53E-03	5.96E-03	9.36E-03	1.91E-06	5.78E-06	3.35E-06	3.61E-06	3.27E-06	1.49E-06	2.34E-06	6.39E-08	1.54E-06	3.41E-07	4.90E-07	7.77E-07	1.37E-07	1.55E-07	3.51E-06
2853	490069.73	3859405.34	5.28E-03	5.69E-03	8.90E-03	1.83E-06	5.52E-06	3.19E-06	3.44E-06	3.12E-06	1.42E-06	2.23E-06	6.10E-08	1.47E-06	3.25E-07	4.67E-07	7.41E-07	1.31E-07	1.47E-07	3.35E-06
2854	490119.73	3859405.34	5.28E-03	5.69E-03	8.91E-03	1.83E-06	5.52E-06	3.20E-06	3.44E-06	3.12E-06	1.42E-06	2.23E-06	6.11E-08	1.47E-06	3.25E-07	4.67E-07	7.42E-07	1.31E-07	1.47E-07	3.35E-06
2855	490169.73	3859405.34	5.29E-03	5.70E-03	8.92E-03	1.83E-06	5.53E-06	3.20E-06	3.45E-06	3.12E-06	1.43E-06	2.23E-06	6.11E-08	1.48E-06	3.26E-07	4.68E-07	7.42E-07	1.31E-07	1.47E-07	3.35E-06
2856	490219.73	3859405.34	5.29E-03	5.70E-03	8.94E-03	1.83E-06	5.53E-06	3.20E-06	3.45E-06	3.13E-06	1.43E-06	2.24E-06	6.11E-08	1.48E-06	3.26E-07	4.68E-07	7.43E-07	1.31E-07	1.48E-07	3.35E-06
2857	490269.73	3859405.34	5.29E-03	5.70E-03	8.95E-03	1.83E-06	5.53E-06	3.20E-06	3.45E-06	3.13E-06	1.43E-06	2.24E-06	6.12E-08	1.48E-06	3.26E-07	4.68E-07	7.43E-07	1.31E-07	1.48E-07	3.35E-06
2858	490319.73	3859405.34	5.29E-03	5.70E-03	8.96E-03	1.83E-06	5.53E-06	3.20E-06	3.45E-06	3.13E-06	1.43E-06	2.24E-06	6.11E-08	1.48E-06	3.26E-07	4.68E-07	7.43E-07	1.31E-07	1.48E-07	3.35E-06
2859	490161.89	3859541.83	4.61E-03	4.97E-03	7.79E-03	1.60E-06	4.82E-06	2.79E-06	3.01E-06	2.73E-06	1.24E-06	1.95E-06	5.33E-08	1.29E-06	2.84E-07	4.08E-07	6.48E-07	1.14E-07	1.29E-07	2.92E-06
2860	490171.89	3859541.83	4.62E-03	4.98E-03	7.80E-03	1.60E-06	4.83E-06	2.79E-06	3.01E-06	2.73E-06	1.25E-06	1.95E-06	5.34E-08	1.29E-06	2.85E-07	4.09E-07	6.48E-07	1.14E-07	1.29E-07	2.93E-06
2861	490161.89	3859551.83	4.57E-03	4.92E-03	7.72E-03	1.58E-06	4.77E-06	2.76E-06	2.98E-06	2.70E-06	1.23E-06	1.93E-06	5.28E-08	1.28E-06	2.81E-07	4.04E-07	6.41E-07	1.13E-07	1.27E-07	2.90E-06
2862	490171.89	3859551.83	4.57E-03	4.93E-03	7.72E-03	1.58E-06	4.78E-06	2.77E-06	2.98E-06	2.70E-06	1.23E-06	1.93E-06	5.28E-08	1.28E-06	2.82E-07	4.05E-07	6.42E-07	1.13E-07	1.28E-07	2.90E-06
2863	489799.72	3859348.21	5.58E-03	6.00E-03	9.36E-03	1.93E-06	5.83E-06	3.37E-06	3.63E-06	3.29E-06	1.50E-06	2.34E-06	6.45E-08	1.56E-06	3.44E-07	4.93E-07	7.82E-07	1.38E-07	1.54E-07	3.53E-06
2864	489819.72	3859348.21	5.58E-03	6.01E-03	9.36E-03	1.93E-06	5.83E-06	3.38E-06	3.64E-06	3.30E-06	1.50E-06	2.34E-06	6.45E-08	1.56E-06	3.44E-07	4.94E-07	7.83E-07	1.38E-07	1.55E-07	3.54E-06
2865	489799.72	3859368.21	5.45E-03	5.87E-03	9.15E-03	1.89E-06	5.69E-06	3.30E-06	3.55E-06	3.22E-06	1.47E-06	2.29E-06	6.30E-08	1.52E-06	3.36E-07	4.82E-07	7.65E-07	1.35E-07	1.51E-07	3.45E-06
2866	489819.72	3859368.21	5.46E-03	5.87E-03	9.16E-03	1.89E-06	5.70E-06	3.30E-06	3.55E-06	3.22E-06	1.47E-06	2.29E-06	6.31E-08	1.52E-06	3.36E-07	4.83E-07	7.66E-07	1.35E-07	1.51E-07	3.46E-06
2867	489775.41	3859329.72	5.69E-03	6.12E-03	9.53E-03	1.97E-06	5.95E-06	3.44E-06	3.70E-06	3.36E-06	1.53E-06	2.39E-06	6.57E-08	1.59E-06	3.50E-07	5.03E-07	7.98E-07	1.41E-07	1.57E-07	3.60E-06
2868	489795.41	3859329.72	5.69E-03	6.13E-03	9.54E-03	1.97E-06	5.95E-06	3.44E-06	3.71E-06	3.36E-06	1.53E-06	2.39E-06	6.58E-08	1.59E-06	3.51E-07	5.03E-07	7.99E-07	1.41E-07	1.58E-07	3.61E-06
2869	489775.41	3859349.72	5.56E-03	5.98E-03	9.32E-03	1.92E-06	5.81E-06	3.36E-06	3.62E-06	3.28E-06	1.50E-06	2.33E-06	6.42E-08	1.55E-06	3.42E-07	4.92E-07	7.80E-07	1.37E-07	1.54E-07	3.52E-06
2870	489795.41	3859349.72	5.57E-03	5.99E-03	9.34E-03	1.93E-06	5.82E-06	3.37E-06	3.63E-06	3.29E-06	1.50E-06	2.34E-06	6.43E-08	1.55E-06	3.43E-07	4.92E-07	7.81E-07	1.38E-07	1.54E-07	3.53E-06
2871	489595.05	3859219.43	6.47E-03	6.96E-03	1.08E-02	2.24E-06	6.76E-06	3.91E-06	4.21E-06	3.82E-06	1.74E-06	2.69E-06	7.48E-08	1.81E-06	3.99E-07	5.72E-07	9.07E-07	1.60E-07	1.78E-07	4.10E-06
2872	489615.05	3859219.43	6.47E-03	6.96E-03	1.08E-02	2.24E-06	6.77E-06	3.92E-06	4.21E-06	3.82E-06	1.74E-06	2.70E-06	7.48E-08	1.81E-06	3.99E-07	5.72E-07	9.07E-07	1.60E-07	1.78E-07	4.10E-06
2873	489595.05	3859239.43	6.30E-03	6.78E-03	1.05E-02	2.18E-06	6.59E-06	3.81E-06	4.10E-06	3.72E-06	1.70E-06	2.63E-06	7.29E-08	1.76E-06	3.88E-07	5.57E-07	8.84E-07	1.56E-07	1.73E-07	3.99E-06
2874	489615.05	3859239.43	6.31E-03	6.79E-03	1.05E-02	2.18E-06	6.60E-06	3.82E-06	4.11E-06	3.72E-06	1.70E-06	2.63E-06	7.29E-08	1.76E-06	3.89E-07	5.58E-07	8.85E-07	1.56E-07	1.74E-07	4.00E-06
2875	489372.4	3859092.58	7.75E-03	8.32E-03	1.27E-02	2.68E-06	8.10E-06	4.69E-06	5.04E-06	4.57E-06	2.08E-06	3.18E-06	8.96E-08	2.17E-06	4.78E-07	6.84E-07	1.08E-06	1.91E-07	2.09E-07	4.90E-06
2876	489422.4	3859092.58	7.73E-03	8.30E-03	1.27E-02	2.68E-06	8.08E-06	4.68E-06	5.02E-06	4.55E-06	2.08E-06	3.18E-06	8.94E-08	2.16E-06	4.77E-07	6.82E-07	1.08E-06	1.91E-07	2.09E-07	4.89E-06
2877	489372.4	3859142.58	7.17E-03	7.70E-03	1.18E-02	2.48E-06	7.50E-06	4.34E-06	4.66E-06	4.22E-06	1.93E-06	2.95E-06	8.29E-08	2.00E-06	4.42E-07	6.33E-07	1.00E-06	1.77E-07	1.95E-07	4.54E-06
2878	489422.4	3859142.58	7.18E-03	7.71E-03	1.18E-02	2.48E-06	7.50E-06	4.34E-06	4.66E-06	4.23E-06	1.93E-06	2.96E-06	8.30E-08	2.00E-06	4.42E-07	6.33E-07	1.00E-06	1.77E-07	1.95E-07	4.54E-06
2879	488870.84	3858666.64	1.76E-02	1.88E-02	2.73E-02	6.10E-06	1.84E-05	1.07E-05	1.14E-05	1.03E-05	4.71E-06	6.83E-06	2.04E-07	4.92E-06	1.09E-06	1.54E-06	2.45E-06	4.32E-07	4.51E-07	1.11E-05
2880	488900.84	3858666.64	1.73E-02	1.84E-02	2.69E-02	5.98E-06	1.81E-05	1.04E-05	1.12E-05	1.01E-05	4.61E-06	6.73E-06	2.00E-07	4.82E-06	1.06E-06	1.51E-06	2.40E-06	4.23E-07	4.44E-07	1.09E-05
2881	488870.84	3858696.64	1.75E-02	1.86E-02	2.66E-02	6.06E-06	1.83E-05	1.06E-05	1.13E-05	1.02E-05	4.66E-06	6.66E-06	2.02E-07	4.89E-06	1.08E-06	1.53E-06	2.43E-06	4.28E-07	4.39E-07	1.10E-05
2882	488900.84	3858696.64	1.71E-02	1.82E-02	2.62E-02	5.92E-06	1.79E-05	1.03E-05	1.10E-05	9.99E-06	4.56E-06	6.55E-06	1.98E-07	4.77E-06	1.05E-06	1.50E-06	2.37E-06	4.18E-07	4.32E-07	1.07E-05
2883	488889.67	3858683.97	1.73E-02	1.84E-02	2.66E-02	5.99E-06	1.81E-05	1.05E-05	1.12E-05	1.01E-05	4.61E-06	6.66E-06	2.00E-07	4.83E-06	1.07E-06	1.51E-06	2.40E-06	4.23E-07	4.39E-07	1.09E-05
2884	488919.67	3858683.97	1.69E-02	1.81E-02	2.62E-02	5.86E-06	1.77E-05	1.02E-05	1.09E-05	9.90E-06	4.52E-06	6.56E-06	1.96E-07	4.73E-06	1.04E-06	1.48E-06	2.35E-06	4.15E-07	4.33E-07	1.07E-05

2885	488889.67	3858713.97	1.72E-02	1.83E-02	2.60E-02	5.96E-06	1.80E-05	1.04E-05	1.11E-05	1.00E-05	4.58E-06	6.50E-06	1.99E-07	4.81E-06	1.06E-06	1.50E-06	2.39E-06	4.20E-07	4.29E-07	1.08E-05
2886	488919.67	3858713.97	1.68E-02	1.79E-02	2.56E-02	5.82E-06	1.76E-05	1.02E-05	1.08E-05	9.81E-06	4.48E-06	6.39E-06	1.94E-07	4.69E-06	1.04E-06	1.47E-06	2.33E-06	4.11E-07	4.22E-07	1.06E-05
2887	488906.61	3858703.33	1.70E-02	1.81E-02	2.59E-02	5.88E-06	1.78E-05	1.03E-05	1.10E-05	9.93E-06	4.53E-06	6.49E-06	1.97E-07	4.75E-06	1.05E-06	1.49E-06	2.36E-06	4.16E-07	4.28E-07	1.07E-05
2888	488936.61	3858703.33	1.66E-02	1.77E-02	2.55E-02	5.76E-06	1.74E-05	1.01E-05	1.07E-05	9.72E-06	4.44E-06	6.39E-06	1.92E-07	4.64E-06	1.02E-06	1.46E-06	2.31E-06	4.07E-07	4.22E-07	1.05E-05
2889	488906.61	3858733.33	1.70E-02	1.80E-02	2.54E-02	5.88E-06	1.78E-05	1.03E-05	1.09E-05	9.90E-06	4.52E-06	6.36E-06	1.96E-07	4.74E-06	1.05E-06	1.48E-06	2.35E-06	4.15E-07	4.20E-07	1.07E-05
2890	488936.61	3858733.33	1.66E-02	1.76E-02	2.50E-02	5.73E-06	1.73E-05	1.00E-05	1.07E-05	9.66E-06	4.41E-06	6.25E-06	1.91E-07	4.62E-06	1.02E-06	1.45E-06	2.29E-06	4.04E-07	4.12E-07	1.04E-05
2891	488637.63	3858467.85	2.47E-02	2.66E-02	4.13E-02	8.57E-06	2.59E-05	1.50E-05	1.61E-05	1.46E-05	6.66E-06	1.03E-05	2.86E-07	6.91E-06	1.52E-06	2.19E-06	3.47E-06	6.12E-07	6.82E-07	1.57E-05
2892	488662.63	3858467.85	2.42E-02	2.61E-02	4.05E-02	8.38E-06	2.53E-05	1.46E-05	1.58E-05	1.43E-05	6.52E-06	1.01E-05	2.80E-07	6.76E-06	1.49E-06	2.14E-06	3.40E-06	5.98E-07	6.68E-07	1.53E-05
2893	488637.63	3858492.85	2.40E-02	2.58E-02	3.96E-02	8.30E-06	2.51E-05	1.45E-05	1.56E-05	1.41E-05	6.45E-06	9.92E-06	2.77E-07	6.70E-06	1.48E-06	2.12E-06	3.36E-06	5.92E-07	6.54E-07	1.52E-05
2894	488662.63	3858492.85	2.35E-02	2.52E-02	3.89E-02	8.13E-06	2.46E-05	1.42E-05	1.53E-05	1.38E-05	6.32E-06	9.72E-06	2.72E-07	6.56E-06	1.45E-06	2.07E-06	3.29E-06	5.80E-07	6.41E-07	1.49E-05
2895	488687.63	3858492.85	2.30E-02	2.48E-02	3.82E-02	7.97E-06	2.41E-05	1.39E-05	1.50E-05	1.36E-05	6.20E-06	9.55E-06	2.66E-07	6.43E-06	1.42E-06	2.03E-06	3.23E-06	5.69E-07	6.30E-07	1.46E-05
2896	488637.63	3858517.85	2.33E-02	2.50E-02	3.79E-02	8.05E-06	2.43E-05	1.41E-05	1.51E-05	1.37E-05	6.25E-06	9.50E-06	2.69E-07	6.50E-06	1.43E-06	2.05E-06	3.25E-06	5.73E-07	6.26E-07	1.47E-05
2897	488662.63	3858517.85	2.28E-02	2.45E-02	3.73E-02	7.90E-06	2.38E-05	1.38E-05	1.48E-05	1.34E-05	6.13E-06	9.33E-06	2.64E-07	6.37E-06	1.41E-06	2.01E-06	3.19E-06	5.62E-07	6.15E-07	1.44E-05
2898	488687.63	3858517.85	2.24E-02	2.40E-02	3.66E-02	7.74E-06	2.34E-05	1.35E-05	1.45E-05	1.32E-05	6.01E-06	9.17E-06	2.59E-07	6.25E-06	1.38E-06	1.97E-06	3.13E-06	5.52E-07	6.05E-07	1.41E-05
2899	488194.42	3857168.98	2.98E-02	3.22E-02	5.17E-02	1.03E-05	3.11E-05	1.80E-05	1.95E-05	1.77E-05	8.06E-06	1.29E-05	3.44E-07	8.32E-06	1.84E-06	2.65E-06	4.20E-06	7.40E-07	8.54E-07	1.89E-05
2900	488244.42	3857168.98	2.91E-02	3.15E-02	5.06E-02	1.01E-05	3.05E-05	1.76E-05	1.91E-05	1.73E-05	7.88E-06	1.27E-05	3.37E-07	8.14E-06	1.80E-06	2.59E-06	4.11E-06	7.24E-07	8.35E-07	1.85E-05
2901	488294.42	3857168.98	2.85E-02	3.08E-02	4.94E-02	9.86E-06	2.98E-05	1.72E-05	1.86E-05	1.69E-05	7.71E-06	1.24E-05	3.29E-07	7.96E-06	1.76E-06	2.53E-06	4.01E-06	7.07E-07	8.16E-07	1.81E-05
2902	488244.42	3857218.98	2.98E-02	3.22E-02	5.18E-02	1.03E-05	3.12E-05	1.80E-05	1.95E-05	1.77E-05	8.07E-06	1.30E-05	3.45E-07	8.33E-06	1.84E-06	2.65E-06	4.20E-06	7.41E-07	8.55E-07	1.90E-05
2903	488294.42	3857218.98	2.91E-02	3.15E-02	5.06E-02	1.01E-05	3.05E-05	1.76E-05	1.91E-05	1.73E-05	7.89E-06	1.27E-05	3.37E-07	8.14E-06	1.80E-06	2.59E-06	4.11E-06	7.24E-07	8.35E-07	1.85E-05
2904	488294.42	3857268.98	2.98E-02	3.22E-02	5.18E-02	1.03E-05	3.12E-05	1.80E-05	1.95E-05	1.77E-05	8.07E-06	1.30E-05	3.45E-07	8.33E-06	1.84E-06	2.65E-06	4.20E-06	7.41E-07	8.55E-07	1.90E-05
2905	488139.13	3857111.68	2.97E-02	3.21E-02	5.15E-02	1.03E-05	3.10E-05	1.80E-05	1.94E-05	1.76E-05	8.03E-06	1.29E-05	3.43E-07	8.29E-06	1.83E-06	2.64E-06	4.18E-06	7.37E-07	8.50E-07	1.89E-05
2906	488189.13	3857111.68	2.91E-02	3.14E-02	5.04E-02	1.01E-05	3.04E-05	1.76E-05	1.90E-05	1.72E-05	7.87E-06	1.26E-05	3.36E-07	8.12E-06	1.79E-06	2.58E-06	4.10E-06	7.22E-07	8.32E-07	1.85E-05
2907	488189.13	3857161.68	2.98E-02	3.22E-02	5.16E-02	1.03E-05	3.11E-05	1.80E-05	1.95E-05	1.76E-05	8.05E-06	1.29E-05	3.44E-07	8.31E-06	1.83E-06	2.64E-06	4.19E-06	7.39E-07	8.53E-07	1.89E-05
2908	487951.04	3856961.26	2.96E-02	3.20E-02	5.12E-02	1.02E-05	3.09E-05	1.79E-05	1.93E-05	1.75E-05	8.00E-06	1.28E-05	3.42E-07	8.26E-06	1.82E-06	2.63E-06	4.17E-06	7.34E-07	8.45E-07	1.88E-05
2909	488001.04	3856961.26	2.90E-02	3.13E-02	5.01E-02	1.00E-05	3.03E-05	1.75E-05	1.89E-05	1.72E-05	7.84E-06	1.25E-05	3.35E-07	8.09E-06	1.79E-06	2.57E-06	4.08E-06	7.19E-07	8.28E-07	1.84E-05
2910	488051.04	3856961.26	2.83E-02	3.06E-02	4.90E-02	9.81E-06	2.96E-05	1.71E-05	1.85E-05	1.68E-05	7.67E-06	1.23E-05	3.28E-07	7.91E-06	1.75E-06	2.52E-06	3.99E-06	7.03E-07	8.10E-07	1.80E-05
2911	488101.04	3856961.26	2.79E-02	3.01E-02	4.82E-02	9.65E-06	2.91E-05	1.69E-05	1.82E-05	1.65E-05	7.54E-06	1.21E-05	3.22E-07	7.78E-06	1.72E-06	2.47E-06	3.93E-06	6.92E-07	7.96E-07	1.77E-05
2912	487951.04	3857011.26	3.05E-02	3.29E-02	5.28E-02	1.05E-05	3.19E-05	1.84E-05	1.99E-05	1.81E-05	8.24E-06	1.32E-05	3.52E-07	8.51E-06	1.88E-06	2.71E-06	4.29E-06	7.56E-07	8.71E-07	1.94E-05
2913	488001.04	3857011.26	2.98E-02	3.22E-02	5.15E-02	1.03E-05	3.11E-05	1.80E-05	1.95E-05	1.76E-05	8.05E-06	1.29E-05	3.44E-07	8.31E-06	1.83E-06	2.64E-06	4.19E-06	7.39E-07	8.50E-07	1.89E-05
2914	488051.04	3857011.26	2.91E-02	3.14E-02	5.04E-02	1.01E-05	3.04E-05	1.76E-05	1.90E-05	1.72E-05	7.87E-06	1.26E-05	3.36E-07	8.12E-06	1.79E-06	2.58E-06	4.10E-06	7.22E-07	8.31E-07	1.85E-05
2915	488101.04	3857011.26	2.86E-02	3.09E-02	4.95E-02	9.89E-06	2.99E-05	1.73E-05	1.87E-05	1.69E-05	7.73E-06	1.24E-05	3.30E-07	7.98E-06	1.76E-06	2.54E-06	4.03E-06	7.09E-07	8.17E-07	1.82E-05
2916	488001.04	3857061.26	3.06E-02	3.31E-02	5.30E-02	1.06E-05	3.20E-05	1.85E-05	2.00E-05	1.81E-05	8.28E-06	1.33E-05	3.54E-07	8.54E-06	1.89E-06	2.72E-06	4.31E-06	7.60E-07	8.75E-07	1.94E-05
2917	488051.04	3857061.26	2.99E-02	3.24E-02	5.18E-02	1.04E-05	3.13E-05	1.81E-05	1.96E-05	1.77E-05	8.10E-06	1.30E-05	3.46E-07	8.36E-06	1.84E-06	2.66E-06	4.22E-06	7.43E-07	8.56E-07	1.90E-05
2918	488101.04	3857061.26	2.93E-02	3.17E-02	5.08E-02	1.02E-05	3.07E-05	1.77E-05	1.92E-05	1.74E-05	7.93E-06	1.27E-05	3.39E-07	8.19E-06	1.81E-06	2.60E-06	4.13E-06	7.28E-07	8.38E-07	1.86E-05
2919	487638.98	3856673.79	2.80E-02	3.02E-02	4.83E-02	9.69E-06	2.92E-05	1.69E-05	1.83E-05	1.66E-05	7.57E-06	1.21E-05	3.23E-07	7.81E-06	1.72E-06	2.48E-06	3.94E-06	6.94E-07	7.98E-07	1.78E-05
2920	487688.98	3856673.79	2.75E-02	2.97E-02	4.75E-02	9.52E-06	2.87E-05	1.66E-05	1.80E-05	1.63E-05	7.43E-06	1.19E-05	3.18E-07	7.68E-06	1.69E-06	2.44E-06	3.87E-06	6.82E-07	7.84E-07	1.75E-05
2921	487638.98	3856723.79	2.89E-02	3.13E-02	5.00E-02	1.00E-05	3.03E-05	1.75E-05	1.89E-05	1.72E-05	7.83E-06	1.25E-05	3.35E-07	8.08E-06	1.78E-06	2.57E-06	4.08E-06	7.18E-07	8.25E-07	1.84E-05
2922	487688.98	3856723.79	2.84E-02	3.07E-02	4.91E-02	9.83E-06	2.97E-05	1.72E-05	1.86E-05	1.68E-05	7.68E-06	1.23E-05	3.28E-07	7.93E-06	1.75E-06	2.52E-06	4.00E-06	7.05E-07	8.10E-07	1.80E-05
2923	486324.61	3855740.57	2.30E-02	2.48E-02	3.92E-02	7.96E-06	2.40E-05	1.39E-05	1.50E-05	1.36E-05	6.21E-06	9.82E-06	2.66E-07	6.42E-06	1.42E-06	2.04E-06	3.23E-06	5.69E-07	6.48E-07	1.46E-05
2924	486374.61	3855740.57	2.18E-02	2.35E-02	3.72E-02	7.54E-06	2.28E-05	1.32E-05	1.42E-05	1.29E-05	5.88E-06	9.31E-06	2.52E-07	6.08E-06	1.34E-06	1.93E-06	3.06E-06	5.40E-07	6.14E-07	1.38E-05
2925	486424.61	3855740.57	2.12E-02	2.28E-02	3.61E-02	7.32E-06	2.21E-05	1.28E-05	1.38E-05	1.25E-05	5.71E-06	9.04E-06	2.45E-07	5.91E-06	1.30E-06	1.88E-06	2.97E-06	5.24E-07	5.96E-07	1.34E-05
2926	486324.61	3855790.57	2.38E-02	2.57E-02	4.07E-02	8.24E-06	2.49E-05	1.44E-05	1.55E-05	1.41E-05	6.43E-06	1.02E-05	2.75E-07	6.65E-06	1.47E-06	2.11E-06	3.35E-06	5.90E-07	6.71E-07	1.51E-05
2927	486374.61	3855790.57	2.27E-02	2.44E-02	3.87E-02	7.84E-06	2.37E-05	1.37E-05	1.48E-05	1.34E-05	6.12E-06	9.69E-06	2.62E-07	6.33E-06	1.40E-06	2.01E-06	3.19E-06	5.62E-07	6.39E-07	1.44E-05
2928	486424.61	3855790.57	2.22E-02	2.39E-02	3.79E-02	7.68E-06	2.32E-05	1.34E-05	1.45E-05	1.31E-05	5.99E-06	9.49E-06	2.57E-07	6.20E-06	1.37E-06	1.97E-06	3.12E-06	5.50E-07	6.26E-07	1.41E-05
2929	486324.61	3855840.57	2.46E-02	2.66E-02	4.21E-02	8.52E-06	2.57E-05	1.49E-05	1.61E-05	1.46E-05	6.65E-06	1.05E-05	2.85E-07	6.87E-06	1.52E-06	2.18E-06	3.46E-06	6.10E-07	6.95E-07	1.56E-05
2930	486374.61	3855840.57	2.40E-02	2.59E-02	4.11E-02	8.31E-06	2.51E-05	1.45E-05	1.57E-05	1.42E-05	6.48E-06	1.03E-05	2.78E-07	6.70E-06	1.48E-06	2.13E-06	3.38E-06	5.95E-07	6.78E-07	1.52E-05
2931	486424.61	3855840.57	2.33E-02	2.51E-02	3.98E-02	8.06E-06	2.43E-05	1.41E-05	1.52E-05	1.38E-05	6.29E-06	9.96E-06	2.69E-07	6.50E-06	1.43E-06	2.06E-06	3.27E-06	5.77E-07	6.57E-07	1.48E-05
2932	486324.61	3855890.57	2.60E-02	2.81E-02	4.46E-02	9.02E-06	2.72E-05	1.58E-05	1.70E-05	1.54E-05	7.04E-06	1.12E-05	3.01E-07	7.27E-06	1.61E-06	2.31E-06	3.66E-06	6.46E-07	7.37E-07	1.65E-05
2933	486374.61	3855890.57	2.53E-02	2.73E-02	4.33E-02	8.76E-06	2.64E-05	1.53E-05	1.65E-05	1.50E-05	6.83E-06	1.08E-05	2.92E-07	7.06E-06	1.56E-06	2.24E-06	3.56E-06	6.27E-07	7.15E-07	1.61E-05
2934	486424.61	3855890.57	2.44E-02	2.64E-02	4.19E-02	8.46E-06	2.55E-05	1.48E-05	1.60E-05	1.45E-05	6.60E-06	1.05E-05	2.83E-07	6.82E-06	1.51E-06	2.17E-06	3.44E-06	6.06E-07	6.91E-07	1.55E-05
2935	488735.69	3858285.64	2.71E-02	2.93E-02	4.70E-02	9.40E-06	2.84E-05	1.64E-05	1.78E-05	1.61E-05	7.34E-06	1.18E-05	3.14E-07	7.58E-06	1.67E-06	2.41E-06	3.82E-06	6.74E-07	7.75E-07	1.72E-05
2936	488765.69	3858285.64	2.65E-02	2.86E-02	4.58E-02	9.16E-06	2.77E-05	1.60E-05	1.73E-05	1.57E-05	7.16E-06	1.15E-05	3.06E-07	7.39E-06	1.63E-06	2.35E-06	3.73E-06	6.57E-07	7.56E-07	1.68E-05
2937	488735.69	3858315.64	2.66E-02	2.87E-02	4.59E-02	9.21E-06	2.78E-05	1.61E-05	1.74E-05	1.58E-05	7.19E-06	1.15E-05	3.08E-07	7.43E-06	1.64E-06	2.36E-06	3.75E-06	6.60E-07	7.58E-07	1.69E-05
2938	488765.69	3858315.64	2.59E-02	2.80E-02	4.48E-02	8.98E-06	2.71E-05	1.57E-05	1.70E-05	1.54E-05	7.01E-06	1.12E-05	3.00E-07	7.24E-06	1.60E-06	2.30E-06	3.65E-06	6.44E-07	7.39E-07	1.65E-05
2939	478676.63	3849871.93	6.40E-04	6.90E-04	1.09E-03	2.21E-07	6.69E-07	3.87E-07	4.18E-07	3.79E-07	1.73E-07	2.73E-07	7.39E-09	1.79E-07	3.94E-08	5.67E-08	9.00E-08	1.59E-08	1.80E-08	4.06E-07
2940	479326.63	3849871.93	6.10E-04	6.58E-04	1.04E-03	2.11E-07	6.37E-07	3.69E-07	3.98E-07	3.61E-07	1.65E-07	2.61E-07	7.05E-09	1.70E-07	3.76E-08	5.40E-08	8.57E-08	1.51E-08	1.72E-08	3.87E-07
2941	479376.63	3849871.93	5.99E-04	6.47E-04	1.02E-03	2.07E-07	6.27E-07	3.63E-07	3.91E-07	3.55E-07	1.62E-07	2.56E-07	6.93E-09	1.67E-07	3.69E-08	5.31E-08	8.43E-08	1.49E-08	1.69E-08	3.80E-07
2942	479426.63	3849871.93	5.92E-04	6.39E-04	1.01E-03	2.05E-07	6.19E-07	3.58E-07	3.86E-07	3.50E-07	1.60E-07	2.53E-07	6.84E-09	1.65E-07	3.65E-08	5.25E-08	8.32E-08	1.47E-08	1.67E-08	3.76E-07
2943	478726.63	3849921.93	6.51E-04	7.02E-04	1.11E-03	2.25E-07	6.80E-07	3.94E-07	4.25E-07	3.85E-07	1.76E-07	2.78E-07	7.52E-09	1.82E-07	4.01E-08	5.77E-08	9.15E-08	1.61E-08	1.83E-08	4.13E-07

2944	478776.63	3849921.93	6.60E-04	7.12E-04	1.13E-03	2.29E-07	6.90E-07	3.99E-07	4.31E-07	3.91E-07	1.78E-07	2.82E-07	7.63E-09	1.84E-07	4.07E-08	5.85E-08	9.28E-08	1.64E-08	1.86E-08	4.19E-07
2945	478826.63	3849921.93	6.67E-04	7.20E-04	1.14E-03	2.31E-07	6.97E-07	4.04E-07	4.36E-07	3.95E-07	1.80E-07	2.85E-07	7.71E-09	1.86E-07	4.11E-08	5.91E-08	9.38E-08	1.65E-08	1.88E-08	4.23E-07
2946	478976.63	3849921.93	6.78E-04	7.31E-04	1.16E-03	2.35E-07	7.08E-07	4.10E-07	4.42E-07	4.01E-07	1.83E-07	2.90E-07	7.83E-09	1.89E-07	4.17E-08	6.01E-08	9.53E-08	1.68E-08	1.91E-08	4.30E-07
2947	479026.63	3849921.93	6.83E-04	7.37E-04	1.17E-03	2.36E-07	7.13E-07	4.13E-07	4.46E-07	4.04E-07	1.84E-07	2.92E-07	7.89E-09	1.91E-07	4.21E-08	6.05E-08	9.60E-08	1.69E-08	1.93E-08	4.33E-07
2948	479076.63	3849921.93	6.82E-04	7.36E-04	1.17E-03	2.36E-07	7.13E-07	4.13E-07	4.45E-07	4.04E-07	1.84E-07	2.92E-07	7.89E-09	1.90E-07	4.20E-08	6.05E-08	9.59E-08	1.69E-08	1.92E-08	4.33E-07
2949	479126.63	3849921.93	6.79E-04	7.32E-04	1.16E-03	2.35E-07	7.09E-07	4.11E-07	4.43E-07	4.02E-07	1.83E-07	2.90E-07	7.85E-09	1.90E-07	4.18E-08	6.02E-08	9.55E-08	1.68E-08	1.92E-08	4.31E-07
2950	479176.63	3849921.93	6.76E-04	7.30E-04	1.16E-03	2.34E-07	7.07E-07	4.09E-07	4.42E-07	4.00E-07	1.83E-07	2.89E-07	7.82E-09	1.89E-07	4.17E-08	6.00E-08	9.51E-08	1.68E-08	1.91E-08	4.29E-07
2951	479226.63	3849921.93	6.62E-04	7.14E-04	1.13E-03	2.29E-07	6.92E-07	4.01E-07	4.32E-07	3.92E-07	1.79E-07	2.83E-07	7.65E-09	1.85E-07	4.08E-08	5.87E-08	9.31E-08	1.64E-08	1.87E-08	4.20E-07
2952	479276.63	3849921.93	6.37E-04	6.87E-04	1.09E-03	2.20E-07	6.66E-07	3.85E-07	4.16E-07	3.77E-07	1.72E-07	2.72E-07	7.36E-09	1.78E-07	3.92E-08	5.65E-08	8.96E-08	1.58E-08	1.80E-08	4.04E-07
2953	479326.63	3849921.93	6.49E-04	7.00E-04	1.11E-03	2.25E-07	6.78E-07	3.93E-07	4.24E-07	3.84E-07	1.75E-07	2.77E-07	7.50E-09	1.81E-07	4.00E-08	5.75E-08	9.12E-08	1.61E-08	1.83E-08	4.12E-07
2954	479376.63	3849921.93	6.22E-04	6.71E-04	1.06E-03	2.15E-07	6.50E-07	3.76E-07	4.06E-07	3.68E-07	1.68E-07	2.66E-07	7.19E-09	1.74E-07	3.83E-08	5.51E-08	8.74E-08	1.54E-08	1.75E-08	3.95E-07
2955	479426.63	3849921.93	6.25E-04	6.74E-04	1.07E-03	2.16E-07	6.53E-07	3.78E-07	4.08E-07	3.70E-07	1.69E-07	2.67E-07	7.22E-09	1.74E-07	3.85E-08	5.54E-08	8.78E-08	1.55E-08	1.76E-08	3.96E-07
2956	478726.63	3849971.93	6.50E-04	7.01E-04	1.11E-03	2.25E-07	6.80E-07	3.93E-07	4.24E-07	3.85E-07	1.76E-07	2.78E-07	7.52E-09	1.82E-07	4.01E-08	5.76E-08	9.14E-08	1.61E-08	1.83E-08	4.13E-07
2957	478776.63	3849971.93	6.61E-04	7.13E-04	1.13E-03	2.29E-07	6.91E-07	4.00E-07	4.32E-07	3.91E-07	1.78E-07	2.83E-07	7.64E-09	1.85E-07	4.07E-08	5.86E-08	9.29E-08	1.64E-08	1.86E-08	4.19E-07
2958	478826.63	3849971.93	6.70E-04	7.23E-04	1.15E-03	2.32E-07	7.01E-07	4.06E-07	4.38E-07	3.97E-07	1.81E-07	2.87E-07	7.75E-09	1.87E-07	4.13E-08	5.94E-08	9.42E-08	1.66E-08	1.89E-08	4.25E-07
2959	478976.63	3849971.93	6.92E-04	7.47E-04	1.18E-03	2.40E-07	7.24E-07	4.19E-07	4.52E-07	4.10E-07	1.87E-07	2.96E-07	8.00E-09	1.93E-07	4.27E-08	6.14E-08	9.74E-08	1.72E-08	1.95E-08	4.39E-07
2960	479026.63	3849971.93	6.94E-04	7.49E-04	1.19E-03	2.40E-07	7.26E-07	4.20E-07	4.53E-07	4.11E-07	1.87E-07	2.97E-07	8.02E-09	1.94E-07	4.28E-08	6.15E-08	9.76E-08	1.72E-08	1.96E-08	4.41E-07
2961	479076.63	3849971.93	6.94E-04	7.49E-04	1.19E-03	2.40E-07	7.25E-07	4.20E-07	4.53E-07	4.11E-07	1.87E-07	2.97E-07	8.02E-09	1.94E-07	4.28E-08	6.15E-08	9.76E-08	1.72E-08	1.96E-08	4.40E-07
2962	479126.63	3849971.93	6.94E-04	7.49E-04	1.19E-03	2.40E-07	7.25E-07	4.20E-07	4.53E-07	4.11E-07	1.87E-07	2.97E-07	8.02E-09	1.94E-07	4.27E-08	6.15E-08	9.76E-08	1.72E-08	1.96E-08	4.40E-07
2963	479176.63	3849971.93	6.91E-04	7.46E-04	1.18E-03	2.39E-07	7.22E-07	4.18E-07	4.51E-07	4.09E-07	1.87E-07	2.96E-07	7.99E-09	1.93E-07	4.26E-08	6.13E-08	9.72E-08	1.71E-08	1.95E-08	4.39E-07
2964	479226.63	3849971.93	6.64E-04	7.16E-04	1.13E-03	2.30E-07	6.94E-07	4.02E-07	4.33E-07	3.93E-07	1.79E-07	2.84E-07	7.67E-09	1.85E-07	4.09E-08	5.88E-08	9.34E-08	1.65E-08	1.87E-08	4.21E-07
2965	479276.63	3849971.93	6.74E-04	7.27E-04	1.15E-03	2.33E-07	7.05E-07	4.08E-07	4.40E-07	3.99E-07	1.82E-07	2.88E-07	7.79E-09	1.88E-07	4.15E-08	5.98E-08	9.48E-08	1.67E-08	1.90E-08	4.28E-07
2966	479326.63	3849971.93	6.78E-04	7.31E-04	1.16E-03	2.35E-07	7.08E-07	4.10E-07	4.43E-07	4.01E-07	1.83E-07	2.90E-07	7.84E-09	1.89E-07	4.18E-08	6.01E-08	9.53E-08	1.68E-08	1.91E-08	4.30E-07
2967	479376.63	3849971.93	6.53E-04	7.04E-04	1.11E-03	2.26E-07	6.82E-07	3.95E-07	4.26E-07	3.86E-07	1.76E-07	2.79E-07	7.54E-09	1.82E-07	4.02E-08	5.78E-08	9.18E-08	1.62E-08	1.84E-08	4.14E-07
2968	479426.63	3849971.93	6.48E-04	7.00E-04	1.11E-03	2.24E-07	6.78E-07	3.92E-07	4.23E-07	3.84E-07	1.75E-07	2.77E-07	7.50E-09	1.81E-07	4.00E-08	5.75E-08	9.12E-08	1.61E-08	1.83E-08	4.12E-07
2969	478726.63	3850021.93	6.48E-04	6.99E-04	1.11E-03	2.24E-07	6.77E-07	3.92E-07	4.23E-07	3.83E-07	1.75E-07	2.77E-07	7.49E-09	1.81E-07	3.99E-08	5.74E-08	9.11E-08	1.61E-08	1.83E-08	4.11E-07
2970	478776.63	3850021.93	6.60E-04	7.12E-04	1.13E-03	2.29E-07	6.90E-07	4.00E-07	4.31E-07	3.91E-07	1.78E-07	2.82E-07	7.63E-09	1.84E-07	4.07E-08	5.85E-08	9.28E-08	1.64E-08	1.86E-08	4.19E-07
2971	478826.63	3850021.93	6.72E-04	7.25E-04	1.15E-03	2.33E-07	7.02E-07	4.06E-07	4.39E-07	3.98E-07	1.81E-07	2.87E-07	7.76E-09	1.88E-07	4.14E-08	5.95E-08	9.44E-08	1.66E-08	1.89E-08	4.26E-07
2972	478976.63	3850021.93	6.99E-04	7.54E-04	1.19E-03	2.42E-07	7.31E-07	4.23E-07	4.56E-07	4.14E-07	1.89E-07	2.99E-07	8.08E-09	1.95E-07	4.31E-08	6.20E-08	9.83E-08	1.73E-08	1.97E-08	4.44E-07
2973	478726.63	3850071.93	6.44E-04	6.95E-04	1.10E-03	2.23E-07	6.73E-07	3.90E-07	4.20E-07	3.81E-07	1.74E-07	2.75E-07	7.44E-09	1.80E-07	3.97E-08	5.71E-08	9.05E-08	1.60E-08	1.81E-08	4.09E-07
2974	478776.63	3850071.93	6.58E-04	7.10E-04	1.12E-03	2.28E-07	6.88E-07	3.98E-07	4.30E-07	3.90E-07	1.78E-07	2.81E-07	7.61E-09	1.84E-07	4.06E-08	5.84E-08	9.26E-08	1.63E-08	1.85E-08	4.18E-07
2975	478826.63	3850071.93	6.72E-04	7.24E-04	1.15E-03	2.32E-07	7.02E-07	4.06E-07	4.38E-07	3.97E-07	1.81E-07	2.87E-07	7.76E-09	1.87E-07	4.14E-08	5.95E-08	9.44E-08	1.66E-08	1.89E-08	4.26E-07
2976	478876.63	3850071.93	6.84E-04	7.38E-04	1.17E-03	2.37E-07	7.14E-07	4.14E-07	4.46E-07	4.05E-07	1.85E-07	2.92E-07	7.90E-09	1.91E-07	4.21E-08	6.06E-08	9.61E-08	1.69E-08	1.93E-08	4.34E-07
2977	478976.63	3850071.93	7.04E-04	7.60E-04	1.20E-03	2.44E-07	7.36E-07	4.26E-07	4.60E-07	4.17E-07	1.90E-07	3.01E-07	8.14E-09	1.97E-07	4.34E-08	6.24E-08	9.90E-08	1.75E-08	1.99E-08	4.47E-07
2978	478726.63	3850121.93	6.39E-04	6.89E-04	1.09E-03	2.21E-07	6.68E-07	3.86E-07	4.17E-07	3.78E-07	1.72E-07	2.72E-07	7.38E-09	1.78E-07	3.94E-08	5.66E-08	8.98E-08	1.58E-08	1.80E-08	4.05E-07
2979	478776.63	3850121.93	6.55E-04	7.07E-04	1.12E-03	2.27E-07	6.85E-07	3.96E-07	4.28E-07	3.88E-07	1.77E-07	2.80E-07	7.57E-09	1.83E-07	4.04E-08	5.81E-08	9.21E-08	1.62E-08	1.84E-08	4.16E-07
2980	478826.63	3850121.93	6.70E-04	7.22E-04	1.14E-03	2.32E-07	7.00E-07	4.05E-07	4.37E-07	3.96E-07	1.81E-07	2.86E-07	7.74E-09	1.87E-07	4.13E-08	5.93E-08	9.41E-08	1.66E-08	1.89E-08	4.25E-07
2981	478876.63	3850121.93	6.83E-04	7.36E-04	1.17E-03	2.36E-07	7.14E-07	4.13E-07	4.46E-07	4.04E-07	1.84E-07	2.92E-07	7.89E-09	1.91E-07	4.21E-08	6.05E-08	9.60E-08	1.69E-08	1.92E-08	4.33E-07
2982	478976.63	3850121.93	7.07E-04	7.63E-04	1.21E-03	2.45E-07	7.39E-07	4.28E-07	4.62E-07	4.19E-07	1.91E-07	3.02E-07	8.18E-09	1.98E-07	4.36E-08	6.27E-08	9.95E-08	1.75E-08	1.99E-08	4.49E-07
2983	479026.63	3850121.93	7.17E-04	7.74E-04	1.23E-03	2.48E-07	7.50E-07	4.34E-07	4.68E-07	4.24E-07	1.94E-07	3.07E-07	8.29E-09	2.00E-07	4.42E-08	6.36E-08	1.01E-07	1.78E-08	2.02E-08	4.55E-07
2984	479076.63	3850121.93	7.24E-04	7.81E-04	1.24E-03	2.51E-07	7.57E-07	4.38E-07	4.73E-07	4.28E-07	1.95E-07	3.10E-07	8.37E-09	2.02E-07	4.46E-08	6.42E-08	1.02E-07	1.79E-08	2.04E-08	4.59E-07
2985	479126.63	3850121.93	7.29E-04	7.87E-04	1.25E-03	2.52E-07	7.62E-07	4.41E-07	4.76E-07	4.31E-07	1.97E-07	3.12E-07	8.43E-09	2.04E-07	4.49E-08	6.46E-08	1.03E-07	1.81E-08	2.06E-08	4.63E-07
2986	478776.63	3850171.93	6.49E-04	7.01E-04	1.11E-03	2.25E-07	6.79E-07	3.93E-07	4.24E-07	3.84E-07	1.75E-07	2.77E-07	7.51E-09	1.81E-07	4.00E-08	5.75E-08	9.13E-08	1.61E-08	1.83E-08	4.12E-07
2987	478826.63	3850171.93	6.65E-04	7.18E-04	1.13E-03	2.30E-07	6.96E-07	4.03E-07	4.34E-07	3.94E-07	1.80E-07	2.84E-07	7.69E-09	1.86E-07	4.10E-08	5.90E-08	9.35E-08	1.65E-08	1.87E-08	4.22E-07
2988	478876.63	3850171.93	6.80E-04	7.34E-04	1.16E-03	2.36E-07	7.11E-07	4.12E-07	4.44E-07	4.03E-07	1.84E-07	2.90E-07	7.86E-09	1.90E-07	4.19E-08	6.03E-08	9.56E-08	1.69E-08	1.92E-08	4.32E-07
2989	478976.63	3850171.93	7.09E-04	7.64E-04	1.21E-03	2.45E-07	7.41E-07	4.29E-07	4.63E-07	4.19E-07	1.91E-07	3.03E-07	8.19E-09	1.98E-07	4.37E-08	6.28E-08	9.96E-08	1.76E-08	2.00E-08	4.50E-07
2990	479026.63	3850171.93	7.21E-04	7.78E-04	1.23E-03	2.49E-07	7.53E-07	4.36E-07	4.71E-07	4.27E-07	1.95E-07	3.08E-07	8.33E-09	2.01E-07	4.44E-08	6.39E-08	1.01E-07	1.79E-08	2.03E-08	4.57E-07
2991	479076.63	3850171.93	7.30E-04	7.87E-04	1.25E-03	2.53E-07	7.63E-07	4.41E-07	4.76E-07	4.32E-07	1.97E-07	3.12E-07	8.43E-09	2.04E-07	4.50E-08	6.47E-08	1.03E-07	1.81E-08	2.06E-08	4.63E-07
2992	479126.63	3850171.93	7.37E-04	7.95E-04	1.26E-03	2.55E-07	7.70E-07	4.46E-07	4.81E-07	4.36E-07	1.99E-07	3.15E-07	8.52E-09	2.06E-07	4.54E-08	6.53E-08	1.04E-07	1.83E-08	2.08E-08	4.68E-07
2993	479176.63	3850171.93	7.44E-04	8.03E-04	1.27E-03	2.58E-07	7.78E-07	4.50E-07	4.86E-07	4.40E-07	2.01E-07	3.18E-07	8.60E-09	2.08E-07	4.58E-08	6.59E-08	1.05E-07	1.84E-08	2.10E-08	4.72E-07
2994	479226.63	3850171.93	7.51E-04	8.11E-04	1.28E-03	2.60E-07	7.85E-07	4.55E-07	4.91E-07	4.45E-07	2.03E-07	3.21E-07	8.69E-09	2.10E-07	4.63E-08	6.66E-08	1.06E-07	1.86E-08	2.12E-08	4.77E-07
2995	479276.63	3850171.93	7.57E-04	8.17E-04	1.29E-03	2.62E-07	7.92E-07	4.58E-07	4.95E-07	4.48E-07	2.05E-07	3.24E-07	8.76E-09	2.12E-07	4.67E-08	6.71E-08	1.07E-07	1.88E-08	2.14E-08	4.81E-07
2996	479326.63	3850171.93	7.56E-04	8.16E-04	1.29E-03	2.62E-07	7.90E-07	4.58E-07	4.94E-07	4.48E-07	2.04E-07	3.23E-07	8.74E-09	2.11E-07	4.66E-08	6.70E-08	1.06E-07	1.87E-08	2.13E-08	4.80E-07
2997	479376.63	3850171.93	7.53E-04	8.12E-04	1.29E-03	2.61E-07	7.87E-07	4.56E-07	4.91E-07	4.46E-07	2.03E-07	3.22E-07	8.70E-09	2.10E-07	4.64E-08	6.67E-08	1.06E-07	1.87E-08	2.12E-08	4.78E-07
2998	478676.63	3850221.93	6.04E-04	6.51E-04	1.03E-03	2.09E-07	6.31E-07	3.66E-07	3.94E-07	3.57E-07	1.63E-07	2.57E-07	6.98E-09	1.69E-07	3.72E-08	5.35E-08	8.49E-08	1.50E-08	1.69E-08	3.83E-07
2999	478726.63	3850221.93	6.24E-04	6.73E-04	1.06E-03	2.16E-07	6.52E-07	3.78E-07	4.07E-07	3.69E-07	1.68E-07	2.66E-07	7.21E-09	1.74E-07	3.84E-08	5.53E-08	8.77E-08	1.55E-08	1.75E-08	3.96E-07
3000	478976.63	3850221.93	7.08E-04	7.64E-04	1.21E-03	2.45E-07	7.40E-07	4.29E-07	4.62E-07	4.19E-07	1.91E-07	3.02E-07	8.19E-09	1.98E-07	4.36E-08	6.28E-08	9.96E-08	1.75E-08	2.00E-08	4.49E-07
3001	479026.63	3850221.93	7.22E-04	7.79E-04	1.23E-03	2.50E-07	7.55E-07	4.37E-07	4.71E-07	4.27E-07	1.95E-07	3.08E-07	8.35E-09	2.02E-07	4.45E-08	6.40E-08	1.02E-07	1.79E-08	2.03E-08	4.58E-07
3002	479076.63	3850221.93	7.33E-04	7.91E-04	1.25E-03	2.54E-07	7.66E-07	4.43E-07	4.78E-07	4.34E-07	1.98E-07	3.13E-07	8.47E-09	2.05E-07	4.52E-08	6.50E-08	1.03E-07	1.82E-08	2.07E-08	4.65E-07

3003	479126.63	3850221.93	7.43E-04	8.01E-04	1.27E-03	2.57E-07	7.76E-07	4.49E-07	4.85E-07	4.40E-07	2.01E-07	3.18E-07	8.59E-09	2.07E-07	4.58E-08	6.58E-08	1.04E-07	1.84E-08	2.09E-08	4.71E-07
3004	479176.63	3850221.93	7.52E-04	8.12E-04	1.29E-03	2.60E-07	7.86E-07	4.55E-07	4.91E-07	4.45E-07	2.03E-07	3.22E-07	8.70E-09	2.10E-07	4.64E-08	6.67E-08	1.06E-07	1.86E-08	2.12E-08	4.77E-07
3005	479226.63	3850221.93	7.60E-04	8.20E-04	1.30E-03	2.63E-07	7.95E-07	4.60E-07	4.96E-07	4.50E-07	2.05E-07	3.25E-07	8.79E-09	2.12E-07	4.69E-08	6.74E-08	1.07E-07	1.88E-08	2.14E-08	4.83E-07
3006	479276.63	3850221.93	7.67E-04	8.27E-04	1.31E-03	2.65E-07	8.02E-07	4.64E-07	5.01E-07	4.54E-07	2.07E-07	3.28E-07	8.87E-09	2.14E-07	4.73E-08	6.80E-08	1.08E-07	1.90E-08	2.16E-08	4.87E-07
3007	479326.63	3850221.93	7.68E-04	8.28E-04	1.31E-03	2.66E-07	8.02E-07	4.64E-07	5.01E-07	4.54E-07	2.07E-07	3.28E-07	8.87E-09	2.14E-07	4.73E-08	6.80E-08	1.08E-07	1.90E-08	2.17E-08	4.87E-07
3008	479376.63	3850221.93	7.68E-04	8.28E-04	1.31E-03	2.66E-07	8.02E-07	4.65E-07	5.01E-07	4.54E-07	2.07E-07	3.28E-07	8.87E-09	2.14E-07	4.73E-08	6.81E-08	1.08E-07	1.90E-08	2.17E-08	4.87E-07
3009	478676.63	3850271.93	5.95E-04	6.41E-04	1.01E-03	2.06E-07	6.22E-07	3.60E-07	3.88E-07	3.52E-07	1.61E-07	2.53E-07	6.88E-09	1.66E-07	3.67E-08	5.27E-08	8.36E-08	1.47E-08	1.67E-08	3.77E-07
3010	478726.63	3850271.93	6.15E-04	6.63E-04	1.05E-03	2.13E-07	6.43E-07	3.72E-07	4.01E-07	3.64E-07	1.66E-07	2.62E-07	7.11E-09	1.72E-07	3.79E-08	5.45E-08	8.64E-08	1.52E-08	1.73E-08	3.90E-07
3011	478976.63	3850271.93	7.05E-04	7.61E-04	1.20E-03	2.44E-07	7.37E-07	4.27E-07	4.60E-07	4.17E-07	1.90E-07	3.01E-07	8.15E-09	1.97E-07	4.34E-08	6.25E-08	9.91E-08	1.75E-08	1.98E-08	4.47E-07
3012	479026.63	3850271.93	7.21E-04	7.78E-04	1.23E-03	2.50E-07	7.54E-07	4.36E-07	4.71E-07	4.27E-07	1.95E-07	3.08E-07	8.34E-09	2.01E-07	4.44E-08	6.39E-08	1.01E-07	1.79E-08	2.03E-08	4.58E-07
3013	479076.63	3850271.93	7.35E-04	7.93E-04	1.25E-03	2.54E-07	7.68E-07	4.45E-07	4.80E-07	4.35E-07	1.98E-07	3.14E-07	8.49E-09	2.05E-07	4.53E-08	6.51E-08	1.03E-07	1.82E-08	2.07E-08	4.66E-07
3014	479126.63	3850271.93	7.47E-04	8.06E-04	1.27E-03	2.58E-07	7.80E-07	4.52E-07	4.87E-07	4.42E-07	2.02E-07	3.19E-07	8.63E-09	2.08E-07	4.60E-08	6.62E-08	1.05E-07	1.85E-08	2.10E-08	4.74E-07
3015	479176.63	3850271.93	7.58E-04	8.17E-04	1.29E-03	2.62E-07	7.92E-07	4.58E-07	4.95E-07	4.48E-07	2.05E-07	3.24E-07	8.76E-09	2.12E-07	4.67E-08	6.72E-08	1.07E-07	1.88E-08	2.14E-08	4.81E-07
3016	479226.63	3850271.93	7.67E-04	8.28E-04	1.31E-03	2.66E-07	8.02E-07	4.64E-07	5.01E-07	4.54E-07	2.07E-07	3.28E-07	8.87E-09	2.14E-07	4.73E-08	6.80E-08	1.08E-07	1.90E-08	2.16E-08	4.87E-07
3017	479276.63	3850271.93	7.74E-04	8.35E-04	1.32E-03	2.68E-07	8.09E-07	4.68E-07	5.05E-07	4.58E-07	2.09E-07	3.31E-07	8.95E-09	2.16E-07	4.77E-08	6.86E-08	1.09E-07	1.92E-08	2.18E-08	4.91E-07
3018	479326.63	3850271.93	7.77E-04	8.39E-04	1.33E-03	2.69E-07	8.13E-07	4.70E-07	5.08E-07	4.60E-07	2.10E-07	3.32E-07	8.99E-09	2.17E-07	4.79E-08	6.89E-08	1.09E-07	1.93E-08	2.19E-08	4.93E-07
3019	479376.63	3850271.93	7.78E-04	8.39E-04	1.33E-03	2.69E-07	8.13E-07	4.71E-07	5.08E-07	4.60E-07	2.10E-07	3.33E-07	8.99E-09	2.17E-07	4.79E-08	6.89E-08	1.09E-07	1.93E-08	2.19E-08	4.94E-07
3020	479053.24	3850293.52	7.28E-04	7.86E-04	1.24E-03	2.52E-07	7.61E-07	4.41E-07	4.75E-07	4.31E-07	1.97E-07	3.11E-07	8.42E-09	2.03E-07	4.49E-08	6.46E-08	1.02E-07	1.80E-08	2.05E-08	4.62E-07
3021	479103.24	3850293.52	7.42E-04	8.00E-04	1.27E-03	2.57E-07	7.76E-07	4.49E-07	4.84E-07	4.39E-07	2.00E-07	3.17E-07	8.58E-09	2.07E-07	4.57E-08	6.58E-08	1.04E-07	1.84E-08	2.09E-08	4.71E-07
3022	479153.24	3850293.52	7.54E-04	8.13E-04	1.29E-03	2.61E-07	7.88E-07	4.56E-07	4.92E-07	4.46E-07	2.03E-07	3.22E-07	8.71E-09	2.10E-07	4.64E-08	6.68E-08	1.06E-07	1.87E-08	2.12E-08	4.78E-07
3023	479203.24	3850293.52	7.65E-04	8.25E-04	1.31E-03	2.65E-07	8.00E-07	4.63E-07	4.99E-07	4.53E-07	2.07E-07	3.27E-07	8.84E-09	2.14E-07	4.71E-08	6.78E-08	1.08E-07	1.90E-08	2.16E-08	4.85E-07
3024	479253.24	3850293.52	7.74E-04	8.35E-04	1.32E-03	2.68E-07	8.09E-07	4.68E-07	5.05E-07	4.58E-07	2.09E-07	3.31E-07	8.94E-09	2.16E-07	4.77E-08	6.86E-08	1.09E-07	1.92E-08	2.18E-08	4.91E-07
3025	479303.24	3850293.52	7.79E-04	8.41E-04	1.33E-03	2.70E-07	8.15E-07	4.72E-07	5.09E-07	4.61E-07	2.10E-07	3.33E-07	9.01E-09	2.18E-07	4.80E-08	6.91E-08	1.10E-07	1.93E-08	2.20E-08	4.95E-07
3026	479353.24	3850293.52	7.82E-04	8.44E-04	1.34E-03	2.71E-07	8.17E-07	4.73E-07	5.11E-07	4.63E-07	2.11E-07	3.34E-07	9.04E-09	2.18E-07	4.82E-08	6.93E-08	1.10E-07	1.94E-08	2.21E-08	4.96E-07
3027	479153.24	3850343.52	7.55E-04	8.15E-04	1.29E-03	2.61E-07	7.89E-07	4.57E-07	4.93E-07	4.47E-07	2.04E-07	3.22E-07	8.73E-09	2.11E-07	4.65E-08	6.69E-08	1.06E-07	1.87E-08	2.13E-08	4.79E-07
3028	479203.24	3850343.52	7.68E-04	8.29E-04	1.31E-03	2.66E-07	8.03E-07	4.65E-07	5.01E-07	4.54E-07	2.07E-07	3.28E-07	8.88E-09	2.14E-07	4.73E-08	6.81E-08	1.08E-07	1.90E-08	2.16E-08	4.87E-07
3029	479253.24	3850343.52	7.78E-04	8.39E-04	1.33E-03	2.69E-07	8.13E-07	4.70E-07	5.08E-07	4.60E-07	2.10E-07	3.32E-07	8.99E-09	2.17E-07	4.79E-08	6.89E-08	1.09E-07	1.93E-08	2.19E-08	4.93E-07
3030	479303.24	3850343.52	7.85E-04	8.47E-04	1.34E-03	2.72E-07	8.20E-07	4.75E-07	5.12E-07	4.64E-07	2.12E-07	3.35E-07	9.07E-09	2.19E-07	4.84E-08	6.96E-08	1.10E-07	1.94E-08	2.21E-08	4.98E-07
3031	479353.24	3850343.52	7.90E-04	8.52E-04	1.35E-03	2.73E-07	8.26E-07	4.78E-07	5.16E-07	4.67E-07	2.13E-07	3.38E-07	9.13E-09	2.21E-07	4.87E-08	7.00E-08	1.11E-07	1.96E-08	2.23E-08	5.01E-07
3032	479203.24	3850393.52	7.68E-04	8.29E-04	1.31E-03	2.66E-07	8.03E-07	4.65E-07	5.01E-07	4.55E-07	2.07E-07	3.28E-07	8.88E-09	2.15E-07	4.73E-08	6.81E-08	1.08E-07	1.90E-08	2.16E-08	4.88E-07
3033	479253.24	3850393.52	7.80E-04	8.41E-04	1.33E-03	2.70E-07	8.15E-07	4.72E-07	5.09E-07	4.61E-07	2.11E-07	3.33E-07	9.01E-09	2.18E-07	4.80E-08	6.91E-08	1.10E-07	1.93E-08	2.20E-08	4.95E-07
3034	479303.24	3850393.52	7.89E-04	8.51E-04	1.35E-03	2.73E-07	8.25E-07	4.77E-07	5.15E-07	4.67E-07	2.13E-07	3.37E-07	9.12E-09	2.20E-07	4.86E-08	6.99E-08	1.11E-07	1.96E-08	2.22E-08	5.01E-07
3035	479353.24	3850393.52	7.96E-04	8.59E-04	1.36E-03	2.76E-07	8.32E-07	4.82E-07	5.20E-07	4.71E-07	2.15E-07	3.40E-07	9.20E-09	2.22E-07	4.91E-08	7.06E-08	1.12E-07	1.97E-08	2.25E-08	5.05E-07
3036	479403.24	3850393.52	8.01E-04	8.65E-04	1.37E-03	2.77E-07	8.38E-07	4.85E-07	5.23E-07	4.74E-07	2.16E-07	3.43E-07	9.26E-09	2.24E-07	4.94E-08	7.10E-08	1.13E-07	1.99E-08	2.26E-08	5.09E-07
3037	479453.24	3850393.52	8.03E-04	8.67E-04	1.37E-03	2.78E-07	8.39E-07	4.86E-07	5.24E-07	4.75E-07	2.17E-07	3.43E-07	9.28E-09	2.24E-07	4.95E-08	7.12E-08	1.13E-07	1.99E-08	2.27E-08	5.10E-07
3038	479503.24	3850393.52	8.01E-04	8.65E-04	1.37E-03	2.77E-07	8.38E-07	4.85E-07	5.23E-07	4.74E-07	2.16E-07	3.43E-07	9.26E-09	2.24E-07	4.94E-08	7.10E-08	1.13E-07	1.99E-08	2.26E-08	5.09E-07
3039	479303.24	3850443.52	7.91E-04	8.53E-04	1.35E-03	2.74E-07	8.27E-07	4.79E-07	5.16E-07	4.68E-07	2.14E-07	3.38E-07	9.14E-09	2.21E-07	4.87E-08	7.01E-08	1.11E-07	1.96E-08	2.23E-08	5.02E-07
3040	479353.24	3850443.52	8.00E-04	8.63E-04	1.37E-03	2.77E-07	8.36E-07	4.84E-07	5.22E-07	4.73E-07	2.16E-07	3.42E-07	9.24E-09	2.23E-07	4.93E-08	7.09E-08	1.12E-07	1.98E-08	2.25E-08	5.07E-07
3041	479403.24	3850443.52	8.06E-04	8.70E-04	1.38E-03	2.79E-07	8.43E-07	4.88E-07	5.26E-07	4.77E-07	2.18E-07	3.45E-07	9.32E-09	2.25E-07	4.97E-08	7.15E-08	1.13E-07	2.00E-08	2.27E-08	5.12E-07
3042	479453.24	3850443.52	8.10E-04	8.74E-04	1.38E-03	2.80E-07	8.46E-07	4.90E-07	5.29E-07	4.79E-07	2.19E-07	3.46E-07	9.36E-09	2.26E-07	4.99E-08	7.18E-08	1.14E-07	2.01E-08	2.28E-08	5.14E-07
3043	479503.24	3850443.52	8.11E-04	8.75E-04	1.39E-03	2.81E-07	8.47E-07	4.90E-07	5.29E-07	4.80E-07	2.19E-07	3.47E-07	9.37E-09	2.26E-07	4.99E-08	7.18E-08	1.14E-07	2.01E-08	2.29E-08	5.14E-07
3044	480327.18	3850987.04	9.69E-04	1.05E-03	1.65E-03	3.35E-07	1.01E-06	5.86E-07	6.32E-07	5.73E-07	2.62E-07	4.13E-07	1.12E-08	2.71E-07	5.97E-08	8.59E-08	1.36E-07	2.40E-08	2.72E-08	6.15E-07
3045	480377.18	3850987.04	9.62E-04	1.04E-03	1.64E-03	3.33E-07	1.01E-06	5.82E-07	6.28E-07	5.69E-07	2.60E-07	4.09E-07	1.11E-08	2.69E-07	5.93E-08	8.52E-08	1.35E-07	2.38E-08	2.70E-08	6.10E-07
3046	480427.18	3850987.04	9.52E-04	1.03E-03	1.62E-03	3.30E-07	9.95E-07	5.76E-07	6.21E-07	5.63E-07	2.57E-07	4.05E-07	1.10E-08	2.66E-07	5.87E-08	8.43E-08	1.34E-07	2.36E-08	2.67E-08	6.04E-07
3047	480477.18	3850987.04	9.41E-04	1.01E-03	1.60E-03	3.26E-07	9.84E-07	5.70E-07	6.14E-07	5.57E-07	2.54E-07	4.00E-07	1.09E-08	2.63E-07	5.80E-08	8.34E-08	1.32E-07	2.33E-08	2.64E-08	5.97E-07
3048	480327.18	3851037.04	9.91E-04	1.07E-03	1.69E-03	3.43E-07	1.04E-06	6.00E-07	6.47E-07	5.86E-07	2.68E-07	4.22E-07	1.15E-08	2.77E-07	6.11E-08	8.78E-08	1.39E-07	2.46E-08	2.78E-08	6.29E-07
3049	480377.18	3851037.04	9.85E-04	1.06E-03	1.68E-03	3.41E-07	1.03E-06	5.96E-07	6.43E-07	5.83E-07	2.66E-07	4.19E-07	1.14E-08	2.75E-07	6.07E-08	8.73E-08	1.38E-07	2.44E-08	2.77E-08	6.25E-07
3050	480427.18	3851037.04	9.77E-04	1.05E-03	1.66E-03	3.38E-07	1.02E-06	5.91E-07	6.37E-07	5.78E-07	2.64E-07	4.16E-07	1.13E-08	2.73E-07	6.02E-08	8.65E-08	1.37E-07	2.42E-08	2.74E-08	6.19E-07
3051	480477.18	3851037.04	9.68E-04	1.04E-03	1.64E-03	3.35E-07	1.01E-06	5.86E-07	6.31E-07	5.72E-07	2.61E-07	4.12E-07	1.12E-08	2.70E-07	5.96E-08	8.57E-08	1.36E-07	2.40E-08	2.72E-08	6.14E-07
3052	480622.06	3851087.39	9.68E-04	1.04E-03	1.64E-03	3.35E-07	1.01E-06	5.85E-07	6.31E-07	5.72E-07	2.61E-07	4.11E-07	1.12E-08	2.70E-07	5.96E-08	8.57E-08	1.36E-07	2.40E-08	2.71E-08	6.14E-07
3053	480672.06	3851087.39	9.58E-04	1.03E-03	1.63E-03	3.32E-07	1.00E-06	5.80E-07	6.25E-07	5.67E-07	2.59E-07	4.07E-07	1.11E-08	2.68E-07	5.90E-08	8.49E-08	1.35E-07	2.37E-08	2.68E-08	6.08E-07
3054	480622.06	3851137.39	9.96E-04	1.07E-03	1.69E-03	3.45E-07	1.04E-06	6.02E-07	6.50E-07	5.89E-07	2.69E-07	4.23E-07	1.15E-08	2.78E-07	6.14E-08	8.82E-08	1.40E-07	2.47E-08	2.79E-08	6.32E-07
3055	480672.06	3851137.39	9.86E-04	1.06E-03	1.67E-03	3.41E-07	1.03E-06	5.97E-07	6.43E-07	5.83E-07	2.66E-07	4.19E-07	1.14E-08	2.75E-07	6.08E-08	8.74E-08	1.39E-07	2.44E-08	2.76E-08	6.26E-07
3056	480722.06	3851137.39	9.78E-04	1.05E-03	1.66E-03	3.38E-07	1.02E-06	5.92E-07	6.38E-07	5.78E-07	2.64E-07	4.15E-07	1.13E-08	2.73E-07	6.02E-08	8.66E-08	1.37E-07	2.42E-08	2.74E-08	6.20E-07
3057	480622.06	3851187.39	1.02E-03	1.10E-03	1.74E-03	3.54E-07	1.07E-06	6.19E-07	6.68E-07	6.05E-07	2.76E-07	4.35E-07	1.18E-08	2.86E-07	6.31E-08	9.07E-08	1.44E-07	2.53E-08	2.87E-08	6.49E-07
3058	480672.06	3851187.39	1.02E-03	1.09E-03	1.72E-03	3.51E-07	1.06E-06	6.14E-07	6.62E-07	6.00E-07	2.74E-07	4.31E-07	1.17E-08	2.83E-07	6.26E-08	8.99E-08	1.43E-07	2.51E-08	2.84E-08	6.44E-07
3059	480722.06	3851187.39	1.01E-03	1.09E-03	1.71E-03	3.49E-07	1.05E-06	6.09E-07	6.57E-07	5.95E-07	2.72E-07	4.27E-07	1.16E-08	2.81E-07	6.20E-08	8.92E-08	1.41E-07	2.49E-08	2.82E-08	6.39E-07
3060	471363.09	3845877.25	1.28E-04	1.38E-04	2.19E-04	4.44E-08	1.34E-07	7.76E-08	8.38E-08	7.59E-08	3.46E-08	5.49E-08	1.48E-09	3.58E-08	7.91E-09	1.14E-08	1.80E-08	3.18E-09	3.62E-09	8.14E-08
3061	471863.09	3845877.25	1.21E-04	1.30E-04	2.06E-04	4.17E-08	1.26E-07	7.29E-08	7.87E-08	7.13E-08	3.26E-08	5.16E-08	1.39E-09	3.37E-08	7.43E-09	1.07E-08	1.70E-08	2.99E-09	3.40E-09	7.65E-08

3062	472363.09	3845877.25	1.26E-04	1.36E-04	2.15E-04	4.35E-08	1.31E-07	7.60E-08	8.20E-08	7.44E-08	3.39E-08	5.37E-08	1.45E-09	3.51E-08	7.74E-09	1.11E-08	1.77E-08	3.11E-09	3.54E-09	7.97E-08
3063	472863.09	3845877.25	1.05E-04	1.14E-04	1.80E-04	3.65E-08	1.10E-07	6.37E-08	6.88E-08	6.23E-08	2.84E-08	4.51E-08	1.22E-09	2.94E-08	6.49E-09	9.34E-09	1.48E-08	2.61E-09	2.97E-09	6.69E-08
3064	473363.09	3845877.25	1.12E-04	1.20E-04	1.91E-04	3.86E-08	1.17E-07	6.75E-08	7.28E-08	6.60E-08	3.01E-08	4.77E-08	1.29E-09	3.11E-08	6.87E-09	9.89E-09	1.57E-08	2.76E-09	3.15E-09	7.08E-08
3065	473863.09	3845877.25	1.21E-04	1.31E-04	2.07E-04	4.20E-08	1.27E-07	7.35E-08	7.93E-08	7.19E-08	3.28E-08	5.19E-08	1.40E-09	3.39E-08	7.48E-09	1.08E-08	1.71E-08	3.01E-09	3.42E-09	7.71E-08
3066	474363.09	3845877.25	1.57E-04	1.69E-04	2.68E-04	5.43E-08	1.64E-07	9.50E-08	1.02E-07	9.29E-08	4.24E-08	6.70E-08	1.81E-09	4.38E-08	9.67E-09	1.39E-08	2.21E-08	3.89E-09	4.42E-09	9.96E-08
3067	474863.09	3845877.25	1.98E-04	2.14E-04	3.39E-04	6.86E-08	2.07E-07	1.20E-07	1.29E-07	1.17E-07	5.35E-08	8.48E-08	2.29E-09	5.53E-08	1.22E-08	1.76E-08	2.79E-08	4.91E-09	5.59E-09	1.26E-07
3068	475363.09	3845877.25	2.18E-04	2.35E-04	3.73E-04	7.55E-08	2.28E-07	1.32E-07	1.42E-07	1.29E-07	5.89E-08	9.34E-08	2.52E-09	6.09E-08	1.34E-08	1.93E-08	3.07E-08	5.41E-09	6.16E-09	1.38E-07
3069	475863.09	3845877.25	2.13E-04	2.30E-04	3.64E-04	7.37E-08	2.22E-07	1.29E-07	1.39E-07	1.26E-07	5.75E-08	9.10E-08	2.46E-09	5.94E-08	1.31E-08	1.89E-08	2.99E-08	5.27E-09	6.00E-09	1.35E-07
3070	476363.09	3845877.25	1.84E-04	1.98E-04	3.13E-04	6.35E-08	1.92E-07	1.11E-07	1.20E-07	1.09E-07	4.96E-08	7.83E-08	2.12E-09	5.13E-08	1.13E-08	1.63E-08	2.58E-08	4.55E-09	5.17E-09	1.16E-07
3071	476863.09	3845877.25	1.59E-04	1.72E-04	2.71E-04	5.51E-08	1.66E-07	9.62E-08	1.04E-07	9.41E-08	4.29E-08	6.79E-08	1.84E-09	4.44E-08	9.80E-09	1.41E-08	2.24E-08	3.94E-09	4.48E-09	1.01E-07
3072	477363.09	3845877.25	1.43E-04	1.54E-04	2.42E-04	4.94E-08	1.49E-07	8.63E-08	9.31E-08	8.44E-08	3.85E-08	6.07E-08	1.65E-09	3.98E-08	8.79E-09	1.26E-08	2.01E-08	3.53E-09	4.00E-09	9.05E-08
3073	477863.09	3845877.25	1.29E-04	1.39E-04	2.19E-04	4.46E-08	1.35E-07	7.80E-08	8.41E-08	7.63E-08	3.48E-08	5.49E-08	1.49E-09	3.60E-08	7.95E-09	1.14E-08	1.81E-08	3.19E-09	3.62E-09	8.18E-08
3074	478363.09	3845877.25	1.22E-04	1.31E-04	2.06E-04	4.21E-08	1.27E-07	7.36E-08	7.93E-08	7.19E-08	3.28E-08	5.16E-08	1.41E-09	3.39E-08	7.49E-09	1.08E-08	1.71E-08	3.01E-09	3.40E-09	7.71E-08
3075	478863.09	3845877.25	1.16E-04	1.26E-04	1.98E-04	4.03E-08	1.22E-07	7.05E-08	7.60E-08	6.89E-08	3.14E-08	4.95E-08	1.35E-09	3.25E-08	7.18E-09	1.03E-08	1.64E-08	2.88E-09	3.27E-09	7.39E-08
3076	479363.09	3845877.25	1.14E-04	1.23E-04	1.93E-04	3.95E-08	1.19E-07	6.91E-08	7.44E-08	6.75E-08	3.08E-08	4.83E-08	1.32E-09	3.19E-08	7.03E-09	1.01E-08	1.60E-08	2.83E-09	3.19E-09	7.24E-08
3077	479863.09	3845877.25	1.07E-04	1.15E-04	1.81E-04	3.70E-08	1.12E-07	6.46E-08	6.96E-08	6.31E-08	2.88E-08	4.53E-08	1.23E-09	2.98E-08	6.58E-09	9.45E-09	1.50E-08	2.64E-09	2.99E-09	6.77E-08
3078	480363.09	3845877.25	9.45E-05	1.02E-04	1.60E-04	3.27E-08	9.87E-08	5.72E-08	6.16E-08	5.59E-08	2.55E-08	4.02E-08	1.09E-09	2.64E-08	5.82E-09	8.37E-09	1.33E-08	2.34E-09	2.65E-09	5.99E-08
3079	480863.09	3845877.25	8.79E-05	9.47E-05	1.49E-04	3.04E-08	9.18E-08	5.32E-08	5.73E-08	5.20E-08	2.37E-08	3.73E-08	1.02E-09	2.45E-08	5.41E-09	7.78E-09	1.23E-08	2.18E-09	2.46E-09	5.57E-08
3080	481363.09	3845877.25	8.22E-05	8.86E-05	1.40E-04	2.85E-08	8.59E-08	4.97E-08	5.36E-08	4.86E-08	2.22E-08	3.49E-08	9.50E-10	2.30E-08	5.07E-09	7.28E-09	1.16E-08	2.04E-09	2.30E-09	5.21E-08
3081	481863.09	3845877.25	7.71E-05	8.31E-05	1.31E-04	2.67E-08	8.06E-08	4.67E-08	5.03E-08	4.56E-08	2.08E-08	3.28E-08	8.91E-10	2.15E-08	4.75E-09	6.83E-09	1.08E-08	1.91E-09	2.16E-09	4.89E-08
3082	482363.09	3845877.25	7.05E-05	7.60E-05	1.20E-04	2.44E-08	7.37E-08	4.27E-08	4.60E-08	4.17E-08	1.90E-08	3.00E-08	8.15E-10	1.97E-08	4.34E-09	6.25E-09	9.91E-09	1.75E-09	1.98E-09	4.47E-08
3083	482863.09	3845877.25	6.02E-05	6.49E-05	1.03E-04	2.08E-08	6.29E-08	3.64E-08	3.93E-08	3.56E-08	1.62E-08	2.57E-08	6.96E-10	1.68E-08	3.71E-09	5.33E-09	8.46E-09	1.49E-09	1.69E-09	3.82E-08
3084	483363.09	3845877.25	5.51E-05	5.94E-05	9.41E-05	1.91E-08	5.76E-08	3.33E-08	3.60E-08	3.26E-08	1.49E-08	2.36E-08	6.37E-10	1.54E-08	3.39E-09	4.88E-09	7.74E-09	1.36E-09	1.55E-09	3.49E-08
3085	483863.09	3845877.25	6.07E-05	6.55E-05	1.03E-04	2.10E-08	6.35E-08	3.68E-08	3.96E-08	3.59E-08	1.64E-08	2.59E-08	7.02E-10	1.70E-08	3.74E-09	5.38E-09	8.54E-09	1.50E-09	1.71E-09	3.85E-08
3086	484363.09	3845877.25	5.99E-05	6.46E-05	1.02E-04	2.07E-08	6.26E-08	3.62E-08	3.91E-08	3.54E-08	1.62E-08	2.55E-08	6.92E-10	1.67E-08	3.69E-09	5.31E-09	8.42E-09	1.48E-09	1.68E-09	3.80E-08
3087	484863.09	3845877.25	5.69E-05	6.14E-05	9.69E-05	1.97E-08	5.95E-08	3.45E-08	3.72E-08	3.37E-08	1.54E-08	2.42E-08	6.58E-10	1.59E-08	3.51E-09	5.05E-09	8.00E-09	1.41E-09	1.60E-09	3.61E-08
3088	485363.09	3845877.25	5.40E-05	5.82E-05	9.21E-05	1.87E-08	5.64E-08	3.26E-08	3.52E-08	3.19E-08	1.46E-08	2.30E-08	6.24E-10	1.51E-08	3.32E-09	4.78E-09	7.59E-09	1.34E-09	1.52E-09	3.42E-08
3089	485863.09	3845877.25	5.34E-05	5.76E-05	9.12E-05	1.85E-08	5.58E-08	3.23E-08	3.48E-08	3.16E-08	1.44E-08	2.28E-08	6.17E-10	1.49E-08	3.29E-09	4.73E-09	7.51E-09	1.32E-09	1.51E-09	3.39E-08
3090	486363.09	3845877.25	5.17E-05	5.58E-05	8.83E-05	1.79E-08	5.40E-08	3.13E-08	3.37E-08	3.06E-08	1.40E-08	2.21E-08	5.97E-10	1.44E-08	3.18E-09	4.58E-09	7.27E-09	1.28E-09	1.46E-09	3.28E-08
3091	486863.09	3845877.25	4.86E-05	5.24E-05	8.31E-05	1.68E-08	5.08E-08	2.94E-08	3.17E-08	2.88E-08	1.31E-08	2.08E-08	5.62E-10	1.36E-08	2.99E-09	4.31E-09	6.83E-09	1.20E-09	1.37E-09	3.08E-08
3092	487363.09	3845877.25	4.76E-05	5.14E-05	8.15E-05	1.65E-08	4.97E-08	2.88E-08	3.11E-08	2.82E-08	1.29E-08	2.04E-08	5.50E-10	1.33E-08	2.93E-09	4.22E-09	6.69E-09	1.18E-09	1.35E-09	3.02E-08
3093	487863.09	3845877.25	4.53E-05	4.89E-05	7.78E-05	1.57E-08	4.74E-08	2.74E-08	2.96E-08	2.68E-08	1.22E-08	1.95E-08	5.24E-10	1.27E-08	2.79E-09	4.02E-09	6.38E-09	1.12E-09	1.28E-09	2.88E-08
3094	488363.09	3845877.25	4.46E-05	4.82E-05	7.67E-05	1.54E-08	4.66E-08	2.70E-08	2.91E-08	2.64E-08	1.21E-08	1.92E-08	5.15E-10	1.24E-08	2.75E-09	3.96E-09	6.28E-09	1.11E-09	1.27E-09	2.83E-08
3095	488863.09	3845877.25	4.78E-05	5.17E-05	8.21E-05	1.66E-08	5.00E-08	2.90E-08	3.13E-08	2.83E-08	1.29E-08	2.05E-08	5.53E-10	1.34E-08	2.95E-09	4.24E-09	6.73E-09	1.19E-09	1.36E-09	3.04E-08
3096	489363.09	3845877.25	4.84E-05	5.23E-05	8.32E-05	1.67E-08	5.06E-08	2.93E-08	3.16E-08	2.87E-08	1.31E-08	2.08E-08	5.59E-10	1.35E-08	2.98E-09	4.29E-09	6.81E-09	1.20E-09	1.37E-09	3.07E-08
3097	489863.09	3845877.25	4.79E-05	5.18E-05	8.28E-05	1.66E-08	5.01E-08	2.90E-08	3.13E-08	2.84E-08	1.30E-08	2.07E-08	5.54E-10	1.34E-08	2.95E-09	4.25E-09	6.75E-09	1.19E-09	1.37E-09	3.04E-08
3098	490363.09	3845877.25	4.68E-05	5.06E-05	8.11E-05	1.62E-08	4.89E-08	2.83E-08	3.06E-08	2.77E-08	1.27E-08	2.03E-08	5.41E-10	1.31E-08	2.88E-09	4.15E-09	6.59E-09	1.16E-09	1.34E-09	2.97E-08
3099	490863.09	3845877.25	4.39E-05	4.75E-05	7.64E-05	1.52E-08	4.59E-08	2.66E-08	2.88E-08	2.61E-08	1.19E-08	1.91E-08	5.08E-10	1.23E-08	2.71E-09	3.90E-09	6.19E-09	1.09E-09	1.26E-09	2.79E-08
3100	491363.09	3845877.25	4.73E-05	5.12E-05	8.22E-05	1.64E-08	4.95E-08	2.86E-08	3.10E-08	2.81E-08	1.28E-08	2.06E-08	5.47E-10	1.32E-08	2.92E-09	4.20E-09	6.67E-09	1.18E-09	1.36E-09	3.01E-08
3101	491863.09	3845877.25	5.00E-05	5.41E-05	8.67E-05	1.73E-08	5.23E-08	3.03E-08	3.27E-08	2.96E-08	1.35E-08	2.17E-08	5.78E-10	1.40E-08	3.08E-09	4.44E-09	7.04E-09	1.24E-09	1.43E-09	3.18E-08
3102	492363.09	3845877.25	4.80E-05	5.19E-05	8.35E-05	1.66E-08	5.02E-08	2.90E-08	3.14E-08	2.85E-08	1.30E-08	2.09E-08	5.55E-10	1.34E-08	2.96E-09	4.26E-09	6.77E-09	1.19E-09	1.38E-09	3.05E-08
3103	492863.09	3845877.25	5.42E-05	5.86E-05	9.39E-05	1.88E-08	5.67E-08	3.28E-08	3.55E-08	3.21E-08	1.47E-08	2.35E-08	6.27E-10	1.51E-08	3.34E-09	4.82E-09	7.64E-09	1.35E-09	1.55E-09	3.45E-08
3104	493363.09	3845877.25	5.79E-05	6.26E-05	1.00E-04	2.00E-08	6.05E-08	3.50E-08	3.79E-08	3.43E-08	1.57E-08	2.51E-08	6.69E-10	1.62E-08	3.57E-09	5.14E-09	8.15E-09	1.44E-09	1.66E-09	3.68E-08
3105	493863.09	3845877.25	6.18E-05	6.68E-05	1.07E-04	2.14E-08	6.46E-08	3.74E-08	4.04E-08	3.67E-08	1.67E-08	2.68E-08	7.15E-10	1.73E-08	3.81E-09	5.49E-09	8.71E-09	1.53E-09	1.77E-09	3.93E-08
3106	494363.09	3845877.25	6.59E-05	7.12E-05	1.14E-04	2.28E-08	6.89E-08	3.99E-08	4.31E-08	3.91E-08	1.78E-08	2.85E-08	7.62E-10	1.84E-08	4.06E-09	5.85E-09	9.28E-09	1.64E-09	1.88E-09	4.19E-08
3107	494863.09	3845877.25	6.96E-05	7.52E-05	1.20E-04	2.41E-08	7.27E-08	4.21E-08	4.55E-08	4.12E-08	1.88E-08	3.01E-08	8.04E-10	1.94E-08	4.29E-09	6.18E-09	9.80E-09	1.73E-09	1.99E-09	4.42E-08
3108	495363.09	3845877.25	7.42E-05	8.02E-05	1.28E-04	2.57E-08	7.76E-08	4.49E-08	4.85E-08	4.40E-08	2.01E-08	3.21E-08	8.58E-10	2.07E-08	4.57E-09	6.59E-09	1.04E-08	1.84E-09	2.12E-09	4.71E-08
3109	495863.09	3845877.25	8.00E-05	8.64E-05	1.38E-04	2.77E-08	8.36E-08	4.84E-08	5.23E-08	4.74E-08	2.16E-08	3.46E-08	9.24E-10	2.23E-08	4.93E-09	7.10E-09	1.13E-08	1.98E-09	2.28E-09	5.08E-08
3110	496363.09	3845877.25	8.59E-05	9.28E-05	1.48E-04	2.97E-08	8.98E-08	5.20E-08	5.62E-08	5.09E-08	2.32E-08	3.71E-08	9.93E-10	2.40E-08	5.29E-09	7.62E-09	1.21E-08	2.13E-09	2.45E-09	5.46E-08
3111	496863.09	3845877.25	9.04E-05	9.77E-05	1.56E-04	3.13E-08	9.45E-08	5.47E-08	5.91E-08	5.36E-08	2.44E-08	3.91E-08	1.04E-09	2.52E-08	5.57E-09	8.02E-09	1.27E-08	2.24E-09	2.58E-09	5.74E-08
3112	497363.09	3845877.25	9.53E-05	1.03E-04	1.65E-04	3.30E-08	9.96E-08	5.77E-08	6.23E-08	5.65E-08	2.58E-08	4.12E-08	1.10E-09	2.66E-08	5.87E-09	8.46E-09	1.34E-08	2.37E-09	2.72E-09	6.05E-08
3113	497863.09	3845877.25	1.01E-04	1.09E-04	1.74E-04	3.49E-08	1.05E-07	6.10E-08	6.59E-08	5.97E-08	2.73E-08	4.36E-08	1.17E-09	2.81E-08	6.21E-09	8.95E-09	1.42E-08	2.50E-09	2.88E-09	6.40E-08
3114	498363.09	3845877.25	1.06E-04	1.14E-04	1.83E-04	3.66E-08	1.10E-07	6.40E-08	6.91E-08	6.27E-08	2.86E-08	4.57E-08	1.22E-09	2.95E-08	6.51E-09	9.38E-09	1.49E-08	2.62E-09	3.02E-09	6.72E-08
3115	471363.09	3846377.25	2.06E-04	2.23E-04	3.51E-04	7.15E-08	2.16E-07	1.25E-07	1.35E-07	1.22E-07	5.57E-08	8.78E-08	2.39E-09	5.76E-08	1.27E-08	1.83E-08	2.90E-08	5.11E-09	5.79E-09	1.31E-07
3116	471863.09	3846377.25	1.85E-04	2.00E-04	3.16E-04	6.42E-08	1.94E-07	1.12E-07	1.21E-07	1.10E-07	5.01E-08	7.90E-08	2.14E-09	5.18E-08	1.14E-08	1.64E-08	2.61E-08	4.59E-09	5.21E-09	1.18E-07
3117	472363.09	3846377.25	1.31E-04	1.41E-04	2.24E-04	4.53E-08	1.37E-07	7.92E-08	8.55E-08	7.75E-08	3.54E-08	5.61E-08	1.51E-09	3.66E-08	8.07E-09	1.16E-08	1.84E-08	3.25E-09	3.70E-09	8.31E-08
3118	472863.09	3846377.25	1.28E-04	1.38E-04	2.19E-04	4.43E-08	1.34E-07	7.74E-08	8.35E-08	7.57E-08	3.45E-08	5.47E-08	1.48E-09	3.57E-08	7.88E-09	1.13E-08	1.80E-08	3.17E-09	3.61E-09	8.12E-08
3119	473363.09	3846377.25	1.22E-04	1.32E-04	2.09E-04	4.23E-08	1.28E-07	7.40E-08	7.98E-08	7.24E-08	3.30E-08	5.22E-08	1.41E-09	3.41E-08	7.53E-09	1.08E-08	1.72E-08	3.03E-09	3.45E-09	7.76E-08
3120	473863.09	3846377.25	1.34E-04	1.44E-04	2.28E-04	4.63E-08	1.40E-07	8.09E-08	8.73E-08	7.91E-08	3.61E-08	5.71E-08	1.55E-09	3.73E-08	8.24E-09	1.18E-08	1.88E-08	3.31E-09	3.76E-09	8.48E-08

3121	474363.09	3846377.25	1.49E-04	1.61E-04	2.54E-04	5.17E-08	1.56E-07	9.03E-08	9.74E-08	8.83E-08	4.03E-08	6.36E-08	1.72E-09	4.17E-08	9.19E-09	1.32E-08	2.10E-08	3.70E-09	4.20E-09	9.47E-08
3122	474863.09	3846377.25	1.91E-04	2.06E-04	3.26E-04	6.62E-08	2.00E-07	1.16E-07	1.25E-07	1.13E-07	5.16E-08	8.16E-08	2.21E-09	5.34E-08	1.18E-08	1.69E-08	2.69E-08	4.74E-09	5.38E-09	1.21E-07
3123	475363.09	3846377.25	2.34E-04	2.52E-04	4.00E-04	8.10E-08	2.45E-07	1.42E-07	1.53E-07	1.38E-07	6.32E-08	1.00E-07	2.70E-09	6.53E-08	1.44E-08	2.07E-08	3.29E-08	5.80E-09	6.60E-09	1.48E-07
3124	475863.09	3846377.25	2.53E-04	2.73E-04	4.32E-04	8.75E-08	2.64E-07	1.53E-07	1.65E-07	1.50E-07	6.83E-08	1.08E-07	2.92E-09	7.06E-08	1.56E-08	2.24E-08	3.55E-08	6.26E-09	7.14E-09	1.60E-07
3125	476363.09	3846377.25	2.31E-04	2.49E-04	3.95E-04	8.00E-08	2.42E-07	1.40E-07	1.51E-07	1.37E-07	6.24E-08	9.88E-08	2.67E-09	6.45E-08	1.42E-08	2.05E-08	3.25E-08	5.73E-09	6.52E-09	1.47E-07
3126	476863.09	3846377.25	1.98E-04	2.14E-04	3.38E-04	6.85E-08	2.07E-07	1.20E-07	1.29E-07	1.17E-07	5.34E-08	8.45E-08	2.29E-09	5.53E-08	1.22E-08	1.75E-08	2.78E-08	4.90E-09	5.57E-09	1.26E-07
3127	477363.09	3846377.25	1.75E-04	1.89E-04	2.99E-04	6.06E-08	1.83E-07	1.06E-07	1.14E-07	1.04E-07	4.73E-08	7.47E-08	2.02E-09	4.89E-08	1.08E-08	1.55E-08	2.46E-08	4.34E-09	4.93E-09	1.11E-07
3128	477863.09	3846377.25	1.52E-04	1.64E-04	2.58E-04	5.26E-08	1.59E-07	9.19E-08	9.91E-08	8.98E-08	4.10E-08	6.45E-08	1.76E-09	4.24E-08	9.36E-09	1.35E-08	2.13E-08	3.76E-09	4.26E-09	9.63E-08
3129	478363.09	3846377.25	1.42E-04	1.53E-04	2.41E-04	4.90E-08	1.48E-07	8.56E-08	9.23E-08	8.37E-08	3.82E-08	6.02E-08	1.64E-09	3.95E-08	8.72E-09	1.25E-08	1.99E-08	3.51E-09	3.97E-09	8.98E-08
3130	478863.09	3846377.25	1.41E-04	1.52E-04	2.39E-04	4.87E-08	1.47E-07	8.51E-08	9.18E-08	8.32E-08	3.80E-08	5.99E-08	1.63E-09	3.93E-08	8.67E-09	1.25E-08	1.98E-08	3.48E-09	3.95E-09	8.93E-08
3131	479363.09	3846377.25	1.33E-04	1.44E-04	2.26E-04	4.62E-08	1.39E-07	8.07E-08	8.70E-08	7.89E-08	3.60E-08	5.67E-08	1.54E-09	3.73E-08	8.22E-09	1.18E-08	1.87E-08	3.30E-09	3.74E-09	8.46E-08
3132	479863.09	3846377.25	1.21E-04	1.30E-04	2.05E-04	4.19E-08	1.26E-07	7.32E-08	7.88E-08	7.15E-08	3.26E-08	5.12E-08	1.40E-09	3.38E-08	7.45E-09	1.07E-08	1.70E-08	2.99E-09	3.38E-09	7.67E-08
3133	480363.09	3846377.25	1.17E-04	1.26E-04	1.98E-04	4.04E-08	1.22E-07	7.06E-08	7.61E-08	6.90E-08	3.15E-08	4.95E-08	1.35E-09	3.26E-08	7.18E-09	1.03E-08	1.64E-08	2.89E-09	3.27E-09	7.40E-08
3134	480863.09	3846377.25	1.01E-04	1.09E-04	1.72E-04	3.50E-08	1.06E-07	6.12E-08	6.60E-08	5.98E-08	2.73E-08	4.30E-08	1.17E-09	2.82E-08	6.23E-09	8.96E-09	1.42E-08	2.50E-09	2.83E-09	6.41E-08
3135	481363.09	3846377.25	9.54E-05	1.03E-04	1.62E-04	3.30E-08	9.97E-08	5.77E-08	6.22E-08	5.64E-08	2.57E-08	4.05E-08	1.10E-09	2.66E-08	5.88E-09	8.44E-09	1.34E-08	2.36E-09	2.67E-09	6.05E-08
3136	481863.09	3846377.25	8.85E-05	9.55E-05	1.50E-04	3.07E-08	9.25E-08	5.36E-08	5.78E-08	5.24E-08	2.39E-08	3.76E-08	1.02E-09	2.47E-08	5.46E-09	7.84E-09	1.24E-08	2.19E-09	2.48E-09	5.62E-08
3137	482363.09	3846377.25	7.94E-05	8.56E-05	1.35E-04	2.75E-08	8.30E-08	4.80E-08	5.18E-08	4.69E-08	2.14E-08	3.38E-08	9.18E-10	2.22E-08	4.89E-09	7.03E-09	1.12E-08	1.97E-09	2.23E-09	5.04E-08
3138	482863.09	3846377.25	6.91E-05	7.45E-05	1.17E-04	2.39E-08	7.22E-08	4.18E-08	4.51E-08	4.09E-08	1.86E-08	2.94E-08	7.99E-10	1.93E-08	4.26E-09	6.12E-09	9.71E-09	1.71E-09	1.94E-09	4.38E-08
3139	483363.09	3846377.25	7.02E-05	7.57E-05	1.19E-04	2.43E-08	7.34E-08	4.25E-08	4.58E-08	4.15E-08	1.89E-08	2.99E-08	8.11E-10	1.96E-08	4.32E-09	6.22E-09	9.87E-09	1.74E-09	1.97E-09	4.45E-08
3140	483863.09	3846377.25	6.82E-05	7.36E-05	1.16E-04	2.36E-08	7.13E-08	4.13E-08	4.45E-08	4.04E-08	1.84E-08	2.90E-08	7.89E-10	1.91E-08	4.20E-09	6.04E-09	9.59E-09	1.69E-09	1.91E-09	4.33E-08
3141	484363.09	3846377.25	6.29E-05	6.78E-05	1.07E-04	2.18E-08	6.57E-08	3.80E-08	4.10E-08	3.72E-08	1.70E-08	2.68E-08	7.27E-10	1.76E-08	3.87E-09	5.57E-09	8.83E-09	1.56E-09	1.77E-09	3.99E-08
3142	484863.09	3846377.25	6.53E-05	7.04E-05	1.11E-04	2.26E-08	6.82E-08	3.95E-08	4.26E-08	3.86E-08	1.76E-08	2.78E-08	7.55E-10	1.82E-08	4.02E-09	5.78E-09	9.17E-09	1.62E-09	1.83E-09	4.14E-08
3143	485363.09	3846377.25	6.37E-05	6.87E-05	1.08E-04	2.21E-08	6.66E-08	3.85E-08	4.16E-08	3.77E-08	1.72E-08	2.71E-08	7.36E-10	1.78E-08	3.93E-09	5.64E-09	8.95E-09	1.58E-09	1.79E-09	4.04E-08
3144	485863.09	3846377.25	5.96E-05	6.43E-05	1.02E-04	2.06E-08	6.23E-08	3.61E-08	3.89E-08	3.53E-08	1.61E-08	2.54E-08	6.89E-10	1.66E-08	3.67E-09	5.28E-09	8.38E-09	1.48E-09	1.68E-09	3.78E-08
3145	486363.09	3846377.25	5.28E-05	5.70E-05	9.03E-05	1.83E-08	5.52E-08	3.20E-08	3.45E-08	3.13E-08	1.43E-08	2.26E-08	6.10E-10	1.47E-08	3.25E-09	4.68E-09	7.43E-09	1.31E-09	1.49E-09	3.35E-08
3146	486863.09	3846377.25	5.03E-05	5.43E-05	8.60E-05	1.74E-08	5.25E-08	3.04E-08	3.28E-08	2.98E-08	1.36E-08	2.15E-08	5.81E-10	1.40E-08	3.10E-09	4.46E-09	7.07E-09	1.25E-09	1.42E-09	3.19E-08
3147	487363.09	3846377.25	5.05E-05	5.45E-05	8.66E-05	1.75E-08	5.28E-08	3.06E-08	3.30E-08	2.99E-08	1.37E-08	2.17E-08	5.84E-10	1.41E-08	3.11E-09	4.48E-09	7.11E-09	1.25E-09	1.43E-09	3.21E-08
3148	487863.09	3846377.25	5.36E-05	5.79E-05	9.18E-05	1.86E-08	5.61E-08	3.25E-08	3.50E-08	3.18E-08	1.45E-08	2.30E-08	6.20E-10	1.50E-08	3.31E-09	4.76E-09	7.54E-09	1.33E-09	1.52E-09	3.40E-08
3149	488363.09	3846377.25	5.27E-05	5.68E-05	9.02E-05	1.82E-08	5.50E-08	3.19E-08	3.44E-08	3.12E-08	1.42E-08	2.26E-08	6.09E-10	1.47E-08	3.24E-09	4.67E-09	7.41E-09	1.31E-09	1.49E-09	3.34E-08
3150	488863.09	3846377.25	5.32E-05	5.74E-05	9.13E-05	1.84E-08	5.56E-08	3.22E-08	3.47E-08	3.15E-08	1.44E-08	2.29E-08	6.15E-10	1.49E-08	3.28E-09	4.72E-09	7.48E-09	1.32E-09	1.51E-09	3.38E-08
3151	489363.09	3846377.25	5.37E-05	5.80E-05	9.25E-05	1.86E-08	5.62E-08	3.25E-08	3.51E-08	3.18E-08	1.45E-08	2.31E-08	6.21E-10	1.50E-08	3.31E-09	4.77E-09	7.56E-09	1.33E-09	1.53E-09	3.41E-08
3152	489863.09	3846377.25	5.30E-05	5.73E-05	9.15E-05	1.83E-08	5.54E-08	3.21E-08	3.46E-08	3.14E-08	1.43E-08	2.29E-08	6.13E-10	1.48E-08	3.27E-09	4.70E-09	7.46E-09	1.32E-09	1.51E-09	3.37E-08
3153	490363.09	3846377.25	4.96E-05	5.36E-05	8.60E-05	1.72E-08	5.18E-08	3.00E-08	3.24E-08	2.94E-08	1.34E-08	2.15E-08	5.73E-10	1.38E-08	3.06E-09	4.40E-09	6.99E-09	1.23E-09	1.42E-09	3.15E-08
3154	490863.09	3846377.25	4.90E-05	5.30E-05	8.51E-05	1.70E-08	5.12E-08	2.97E-08	3.21E-08	2.91E-08	1.33E-08	2.13E-08	5.67E-10	1.37E-08	3.02E-09	4.35E-09	6.91E-09	1.22E-09	1.41E-09	3.12E-08
3155	491363.09	3846377.25	5.01E-05	5.42E-05	8.71E-05	1.74E-08	5.24E-08	3.03E-08	3.28E-08	2.97E-08	1.36E-08	2.18E-08	5.79E-10	1.40E-08	3.09E-09	4.45E-09	7.06E-09	1.24E-09	1.44E-09	3.19E-08
3156	491863.09	3846377.25	5.55E-05	6.00E-05	9.61E-05	1.92E-08	5.80E-08	3.36E-08	3.63E-08	3.29E-08	1.50E-08	2.40E-08	6.42E-10	1.55E-08	3.42E-09	4.93E-09	7.82E-09	1.38E-09	1.59E-09	3.53E-08
3157	492363.09	3846377.25	5.65E-05	6.10E-05	9.80E-05	1.95E-08	5.90E-08	3.42E-08	3.69E-08	3.35E-08	1.53E-08	2.45E-08	6.53E-10	1.58E-08	3.48E-09	5.01E-09	7.95E-09	1.40E-09	1.62E-09	3.59E-08
3158	492863.09	3846377.25	5.87E-05	6.35E-05	1.02E-04	2.03E-08	6.14E-08	3.55E-08	3.84E-08	3.48E-08	1.59E-08	2.55E-08	6.79E-10	1.64E-08	3.62E-09	5.21E-09	8.27E-09	1.46E-09	1.68E-09	3.73E-08
3159	493363.09	3846377.25	6.46E-05	6.99E-05	1.12E-04	2.24E-08	6.76E-08	3.91E-08	4.23E-08	3.83E-08	1.75E-08	2.80E-08	7.47E-10	1.80E-08	3.98E-09	5.74E-09	9.10E-09	1.60E-09	1.85E-09	4.11E-08
3160	493863.09	3846377.25	6.93E-05	7.49E-05	1.20E-04	2.40E-08	7.24E-08	4.19E-08	4.53E-08	4.11E-08	1.87E-08	3.00E-08	8.01E-10	1.93E-08	4.27E-09	6.15E-09	9.76E-09	1.72E-09	1.98E-09	4.40E-08
3161	494363.09	3846377.25	7.42E-05	8.02E-05	1.28E-04	2.57E-08	7.76E-08	4.49E-08	4.85E-08	4.40E-08	2.01E-08	3.21E-08	8.58E-10	2.07E-08	4.57E-09	6.59E-09	1.04E-08	1.84E-09	2.12E-09	4.71E-08
3162	494863.09	3846377.25	7.93E-05	8.57E-05	1.37E-04	2.74E-08	8.29E-08	4.80E-08	5.18E-08	4.70E-08	2.14E-08	3.43E-08	9.16E-10	2.21E-08	4.88E-09	7.04E-09	1.12E-08	1.97E-09	2.26E-09	5.04E-08
3163	495363.09	3846377.25	8.49E-05	9.17E-05	1.47E-04	2.94E-08	8.87E-08	5.14E-08	5.55E-08	5.03E-08	2.30E-08	3.67E-08	9.81E-10	2.37E-08	5.23E-09	7.54E-09	1.20E-08	2.11E-09	2.42E-09	5.39E-08
3164	495863.09	3846377.25	9.15E-05	9.89E-05	1.58E-04	3.17E-08	9.56E-08	5.54E-08	5.98E-08	5.42E-08	2.47E-08	3.96E-08	1.06E-09	2.55E-08	5.64E-09	8.12E-09	1.29E-08	2.27E-09	2.61E-09	5.81E-08
3165	496363.09	3846377.25	9.83E-05	1.06E-04	1.70E-04	3.40E-08	1.03E-07	5.95E-08	6.42E-08	5.82E-08	2.66E-08	4.25E-08	1.14E-09	2.74E-08	6.05E-09	8.72E-09	1.38E-08	2.44E-09	2.80E-09	6.24E-08
3166	496863.09	3846377.25	1.05E-04	1.13E-04	1.81E-04	3.63E-08	1.10E-07	6.35E-08	6.86E-08	6.22E-08	2.84E-08	4.54E-08	1.21E-09	2.93E-08	6.46E-09	9.31E-09	1.48E-08	2.60E-09	2.99E-09	6.66E-08
3167	497363.09	3846377.25	1.11E-04	1.20E-04	1.93E-04	3.85E-08	1.16E-07	6.74E-08	7.28E-08	6.60E-08	3.01E-08	4.82E-08	1.29E-09	3.11E-08	6.86E-09	9.88E-09	1.57E-08	2.76E-09	3.18E-09	7.07E-08
3168	497863.09	3846377.25	1.17E-04	1.26E-04	2.02E-04	4.05E-08	1.22E-07	7.08E-08	7.65E-08	6.93E-08	3.16E-08	5.06E-08	1.35E-09	3.27E-08	7.21E-09	1.04E-08	1.65E-08	2.90E-09	3.34E-09	7.43E-08
3169	498363.09	3846377.25	1.22E-04	1.32E-04	2.11E-04	4.22E-08	1.28E-07	7.38E-08	7.98E-08	7.23E-08	3.30E-08	5.27E-08	1.41E-09	3.41E-08	7.52E-09	1.08E-08	1.72E-08	3.03E-09	3.48E-09	7.75E-08
3170	471363.09	3846877.25	2.27E-04	2.44E-04	3.86E-04	7.84E-08	2.37E-07	1.37E-07	1.48E-07	1.34E-07	6.11E-08	9.65E-08	2.62E-09	6.32E-08	1.40E-08	2.01E-08	3.18E-08	5.61E-09	6.37E-09	1.44E-07
3171	471863.09	3846877.25	2.28E-04	2.46E-04	3.87E-04	7.89E-08	2.38E-07	1.38E-07	1.49E-07	1.35E-07	6.15E-08	9.70E-08	2.64E-09	6.37E-08	1.40E-08	2.02E-08	3.20E-08	5.65E-09	6.40E-09	1.45E-07
3172	472363.09	3846877.25	2.16E-04	2.33E-04	3.67E-04	7.47E-08	2.26E-07	1.31E-07	1.41E-07	1.28E-07	5.83E-08	9.19E-08	2.49E-09	6.03E-08	1.33E-08	1.91E-08	3.03E-08	5.35E-09	6.06E-09	1.37E-07
3173	472863.09	3846877.25	1.42E-04	1.53E-04	2.42E-04	4.90E-08	1.48E-07	8.56E-08	9.24E-08	8.38E-08	3.82E-08	6.06E-08	1.64E-09	3.95E-08	8.72E-09	1.25E-08	1.99E-08	3.51E-09	4.00E-09	8.98E-08
3174	473363.09	3846877.25	1.48E-04	1.60E-04	2.54E-04	5.14E-08	1.55E-07	8.98E-08	9.69E-08	8.79E-08	4.01E-08	6.35E-08	1.72E-09	4.15E-08	9.15E-09	1.32E-08	2.09E-08	3.68E-09	4.19E-09	9.42E-08
3175	473863.09	3846877.25	1.52E-04	1.64E-04	2.59E-04	5.27E-08	1.59E-07	9.21E-08	9.93E-08	9.00E-08	4.11E-08	6.49E-08	1.76E-09	4.25E-08	9.38E-09	1.35E-08	2.14E-08	3.77E-09	4.28E-09	9.66E-08
3176	474363.09	3846877.25	1.54E-04	1.66E-04	2.63E-04	5.34E-08	1.61E-07	9.33E-08	1.01E-07	9.12E-08	4.16E-08	6.57E-08	1.78E-09	4.31E-08	9.50E-09	1.37E-08	2.17E-08	3.82E-09	4.33E-09	9.78E-08
3177	474863.09	3846877.25	1.69E-04	1.83E-04	2.89E-04	5.86E-08	1.77E-07	1.02E-07	1.11E-07	1.00E-07	4.57E-08	7.22E-08	1.96E-09	4.73E-08	1.04E-08	1.50E-08	2.38E-08	4.20E-09	4.76E-09	1.07E-07
3178	475363.09	3846877.25	2.01E-04	2.17E-04	3.44E-04	6.97E-08	2.11E-07	1.22E-07	1.32E-07	1.19E-07	5.44E-08	8.60E-08	2.33E-09	5.63E-08	1.24E-08	1.79E-08	2.83E-08	4.99E-09	5.67E-09	1.28E-07
3179	475863.09	3846877.25	2.63E-04	2.84E-04	4.50E-04	9.11E-08	2.75E-07	1.59E-07	1.72E-07	1.56E-07	7.11E-08	1.13E-07	3.04E-09	7.35E-08	1.62E-08	2.33E-08	3.70E-08	6.52E-09	7.42E-09	1.67E-07

3180	476363.09	3846877.25	2.77E-04	2.99E-04	4.74E-04	9.60E-08	2.90E-07	1.68E-07	1.81E-07	1.64E-07	7.49E-08	1.19E-07	3.21E-09	7.75E-08	1.71E-08	2.46E-08	3.90E-08	6.88E-09	7.83E-09	1.76E-07
3181	476863.09	3846877.25	2.50E-04	2.70E-04	4.27E-04	8.66E-08	2.61E-07	1.51E-07	1.63E-07	1.48E-07	6.76E-08	1.07E-07	2.89E-09	6.99E-08	1.54E-08	2.22E-08	3.52E-08	6.20E-09	7.05E-09	1.59E-07
3182	477363.09	3846877.25	2.17E-04	2.34E-04	3.70E-04	7.51E-08	2.27E-07	1.31E-07	1.42E-07	1.28E-07	5.85E-08	9.25E-08	2.51E-09	6.05E-08	1.34E-08	1.92E-08	3.05E-08	5.37E-09	6.10E-09	1.38E-07
3183	477863.09	3846877.25	1.87E-04	2.02E-04	3.19E-04	6.48E-08	1.96E-07	1.13E-07	1.22E-07	1.11E-07	5.05E-08	7.98E-08	2.16E-09	5.23E-08	1.15E-08	1.66E-08	2.63E-08	4.64E-09	5.26E-09	1.19E-07
3184	478363.09	3846877.25	1.70E-04	1.83E-04	2.88E-04	5.88E-08	1.77E-07	1.03E-07	1.11E-07	1.00E-07	4.58E-08	7.21E-08	1.96E-09	4.74E-08	1.05E-08	1.50E-08	2.39E-08	4.20E-09	4.75E-09	1.08E-07
3185	478863.09	3846877.25	1.67E-04	1.80E-04	2.84E-04	5.79E-08	1.75E-07	1.01E-07	1.09E-07	9.89E-08	4.51E-08	7.10E-08	1.93E-09	4.67E-08	1.03E-08	1.48E-08	2.35E-08	4.14E-09	4.68E-09	1.06E-07
3186	479363.09	3846877.25	1.58E-04	1.70E-04	2.69E-04	5.47E-08	1.65E-07	9.56E-08	1.03E-07	9.35E-08	4.27E-08	6.72E-08	1.83E-09	4.41E-08	9.74E-09	1.40E-08	2.22E-08	3.91E-09	4.43E-09	1.00E-07
3187	479863.09	3846877.25	1.24E-04	1.34E-04	2.10E-04	4.29E-08	1.30E-07	7.50E-08	8.09E-08	7.33E-08	3.35E-08	5.26E-08	1.43E-09	3.46E-08	7.64E-09	1.10E-08	1.74E-08	3.07E-09	3.47E-09	7.86E-08
3188	480363.09	3846877.25	1.06E-04	1.14E-04	1.80E-04	3.68E-08	1.11E-07	6.42E-08	6.93E-08	6.28E-08	2.86E-08	4.51E-08	1.23E-09	2.96E-08	6.54E-09	9.40E-09	1.49E-08	2.63E-09	2.98E-09	6.73E-08
3189	480863.09	3846877.25	9.96E-05	1.07E-04	1.70E-04	3.45E-08	1.04E-07	6.03E-08	6.50E-08	5.89E-08	2.69E-08	4.24E-08	1.15E-09	2.78E-08	6.14E-09	8.83E-09	1.40E-08	2.47E-09	2.80E-09	6.32E-08
3190	481363.09	3846877.25	1.01E-04	1.09E-04	1.71E-04	3.49E-08	1.05E-07	6.10E-08	6.58E-08	5.96E-08	2.72E-08	4.28E-08	1.17E-09	2.82E-08	6.21E-09	8.93E-09	1.42E-08	2.50E-09	2.82E-09	6.40E-08
3191	481863.09	3846877.25	9.72E-05	1.05E-04	1.65E-04	3.36E-08	1.02E-07	5.88E-08	6.34E-08	5.75E-08	2.62E-08	4.13E-08	1.12E-09	2.71E-08	5.99E-09	8.60E-09	1.37E-08	2.41E-09	2.72E-09	6.16E-08
3192	482363.09	3846877.25	8.53E-05	9.20E-05	1.45E-04	2.95E-08	8.91E-08	5.16E-08	5.56E-08	5.04E-08	2.30E-08	3.63E-08	9.86E-10	2.38E-08	5.26E-09	7.56E-09	1.20E-08	2.11E-09	2.39E-09	5.41E-08
3193	482863.09	3846877.25	8.24E-05	8.88E-05	1.40E-04	2.85E-08	8.61E-08	4.98E-08	5.37E-08	4.87E-08	2.22E-08	3.50E-08	9.52E-10	2.30E-08	5.08E-09	7.30E-09	1.16E-08	2.04E-09	2.31E-09	5.22E-08
3194	483363.09	3846877.25	7.95E-05	8.57E-05	1.35E-04	2.75E-08	8.31E-08	4.81E-08	5.19E-08	4.70E-08	2.15E-08	3.38E-08	9.19E-10	2.22E-08	4.90E-09	7.04E-09	1.12E-08	1.97E-09	2.23E-09	5.04E-08
3195	483863.09	3846877.25	7.68E-05	8.29E-05	1.31E-04	2.66E-08	8.03E-08	4.65E-08	5.01E-08	4.54E-08	2.07E-08	3.27E-08	8.88E-10	2.15E-08	4.73E-09	6.81E-09	1.08E-08	1.90E-09	2.16E-09	4.87E-08
3196	484363.09	3846877.25	7.43E-05	8.01E-05	1.26E-04	2.57E-08	7.77E-08	4.50E-08	4.85E-08	4.39E-08	2.01E-08	3.16E-08	8.59E-10	2.07E-08	4.58E-09	6.58E-09	1.04E-08	1.84E-09	2.08E-09	4.71E-08
3197	484863.09	3846877.25	7.15E-05	7.71E-05	1.21E-04	2.48E-08	7.47E-08	4.33E-08	4.66E-08	4.23E-08	1.93E-08	3.04E-08	8.26E-10	2.00E-08	4.41E-09	6.33E-09	1.00E-08	1.77E-09	2.00E-09	4.53E-08
3198	485363.09	3846877.25	7.06E-05	7.62E-05	1.20E-04	2.44E-08	7.38E-08	4.27E-08	4.61E-08	4.18E-08	1.91E-08	3.01E-08	8.16E-10	1.97E-08	4.35E-09	6.26E-09	9.92E-09	1.75E-09	1.98E-09	4.48E-08
3199	485863.09	3846877.25	6.68E-05	7.20E-05	1.14E-04	2.31E-08	6.98E-08	4.04E-08	4.36E-08	3.95E-08	1.80E-08	2.85E-08	7.72E-10	1.86E-08	4.11E-09	5.92E-09	9.39E-09	1.65E-09	1.88E-09	4.24E-08
3200	486363.09	3846877.25	6.72E-05	7.25E-05	1.14E-04	2.33E-08	7.03E-08	4.07E-08	4.39E-08	3.98E-08	1.81E-08	2.86E-08	7.77E-10	1.88E-08	4.14E-09	5.96E-09	9.45E-09	1.67E-09	1.89E-09	4.27E-08
3201	486863.09	3846877.25	6.00E-05	6.48E-05	1.02E-04	2.08E-08	6.27E-08	3.63E-08	3.92E-08	3.55E-08	1.62E-08	2.56E-08	6.94E-10	1.68E-08	3.70E-09	5.32E-09	8.44E-09	1.49E-09	1.69E-09	3.81E-08
3202	487363.09	3846877.25	5.99E-05	6.46E-05	1.02E-04	2.07E-08	6.26E-08	3.62E-08	3.91E-08	3.54E-08	1.62E-08	2.56E-08	6.92E-10	1.67E-08	3.69E-09	5.31E-09	8.42E-09	1.48E-09	1.69E-09	3.80E-08
3203	487863.09	3846877.25	5.91E-05	6.38E-05	1.01E-04	2.05E-08	6.18E-08	3.58E-08	3.86E-08	3.50E-08	1.60E-08	2.53E-08	6.84E-10	1.65E-08	3.64E-09	5.24E-09	8.32E-09	1.47E-09	1.67E-09	3.75E-08
3204	488363.09	3846877.25	5.84E-05	6.31E-05	1.00E-04	2.02E-08	6.11E-08	3.53E-08	3.82E-08	3.46E-08	1.58E-08	2.51E-08	6.75E-10	1.63E-08	3.60E-09	5.18E-09	8.22E-09	1.45E-09	1.65E-09	3.71E-08
3205	488863.09	3846877.25	5.94E-05	6.41E-05	1.02E-04	2.06E-08	6.21E-08	3.59E-08	3.88E-08	3.52E-08	1.60E-08	2.55E-08	6.86E-10	1.66E-08	3.66E-09	5.27E-09	8.35E-09	1.47E-09	1.68E-09	3.77E-08
3206	489363.09	3846877.25	6.03E-05	6.52E-05	1.04E-04	2.09E-08	6.31E-08	3.65E-08	3.94E-08	3.57E-08	1.63E-08	2.60E-08	6.97E-10	1.68E-08	3.72E-09	5.35E-09	8.49E-09	1.50E-09	1.72E-09	3.83E-08
3207	489863.09	3846877.25	5.99E-05	6.47E-05	1.03E-04	2.07E-08	6.26E-08	3.63E-08	3.92E-08	3.55E-08	1.62E-08	2.58E-08	6.93E-10	1.67E-08	3.69E-09	5.32E-09	8.43E-09	1.49E-09	1.70E-09	3.81E-08
3208	490363.09	3846877.25	5.65E-05	6.11E-05	9.77E-05	1.96E-08	5.91E-08	3.42E-08	3.69E-08	3.35E-08	1.53E-08	2.45E-08	6.53E-10	1.58E-08	3.48E-09	5.02E-09	7.96E-09	1.40E-09	1.61E-09	3.59E-08
3209	490863.09	3846877.25	5.72E-05	6.18E-05	9.90E-05	1.98E-08	5.98E-08	3.46E-08	3.74E-08	3.39E-08	1.55E-08	2.48E-08	6.61E-10	1.60E-08	3.52E-09	5.08E-09	8.06E-09	1.42E-09	1.63E-09	3.63E-08
3210	491363.09	3846877.25	5.87E-05	6.35E-05	1.02E-04	2.03E-08	6.14E-08	3.55E-08	3.84E-08	3.48E-08	1.59E-08	2.55E-08	6.79E-10	1.64E-08	3.62E-09	5.21E-09	8.27E-09	1.46E-09	1.68E-09	3.73E-08
3211	491863.09	3846877.25	5.90E-05	6.38E-05	1.02E-04	2.04E-08	6.17E-08	3.57E-08	3.86E-08	3.50E-08	1.60E-08	2.56E-08	6.82E-10	1.65E-08	3.63E-09	5.24E-09	8.31E-09	1.46E-09	1.69E-09	3.75E-08
3212	492363.09	3846877.25	6.59E-05	7.12E-05	1.14E-04	2.28E-08	6.89E-08	3.99E-08	4.31E-08	3.91E-08	1.78E-08	2.85E-08	7.62E-10	1.84E-08	4.06E-09	5.85E-09	9.28E-09	1.64E-09	1.88E-09	4.19E-08
3213	492863.09	3846877.25	6.93E-05	7.49E-05	1.20E-04	2.40E-08	7.24E-08	4.19E-08	4.53E-08	4.11E-08	1.87E-08	3.00E-08	8.01E-10	1.93E-08	4.27E-09	6.15E-09	9.76E-09	1.72E-09	1.98E-09	4.40E-08
3214	493363.09	3846877.25	7.46E-05	8.06E-05	1.29E-04	2.58E-08	7.80E-08	4.52E-08	4.88E-08	4.42E-08	2.02E-08	3.23E-08	8.63E-10	2.08E-08	4.60E-09	6.62E-09	1.05E-08	1.85E-09	2.13E-09	4.74E-08
3215	493863.09	3846877.25	7.95E-05	8.60E-05	1.38E-04	2.75E-08	8.31E-08	4.81E-08	5.20E-08	4.71E-08	2.15E-08	3.44E-08	9.19E-10	2.22E-08	4.90E-09	7.06E-09	1.12E-08	1.97E-09	2.27E-09	5.05E-08
3216	494363.09	3846877.25	8.45E-05	9.13E-05	1.46E-04	2.92E-08	8.83E-08	5.11E-08	5.52E-08	5.01E-08	2.28E-08	3.66E-08	9.76E-10	2.36E-08	5.20E-09	7.50E-09	1.19E-08	2.10E-09	2.41E-09	5.37E-08
3217	494863.09	3846877.25	9.02E-05	9.75E-05	1.56E-04	3.12E-08	9.43E-08	5.46E-08	5.90E-08	5.35E-08	2.44E-08	3.91E-08	1.04E-09	2.52E-08	5.56E-09	8.01E-09	1.27E-08	2.24E-09	2.58E-09	5.73E-08
3218	495363.09	3846877.25	9.63E-05	1.04E-04	1.67E-04	3.33E-08	1.01E-07	5.82E-08	6.30E-08	5.71E-08	2.60E-08	4.17E-08	1.11E-09	2.69E-08	5.93E-09	8.55E-09	1.36E-08	2.39E-09	2.75E-09	6.12E-08
3219	495863.09	3846877.25	1.02E-04	1.11E-04	1.77E-04	3.55E-08	1.07E-07	6.20E-08	6.70E-08	6.07E-08	2.77E-08	4.44E-08	1.18E-09	2.86E-08	6.31E-09	9.10E-09	1.44E-08	2.54E-09	2.93E-09	6.51E-08
3220	496363.09	3846877.25	1.09E-04	1.18E-04	1.89E-04	3.78E-08	1.14E-07	6.61E-08	7.14E-08	6.47E-08	2.95E-08	4.73E-08	1.26E-09	3.05E-08	6.73E-09	9.70E-09	1.54E-08	2.71E-09	3.12E-09	6.94E-08
3221	496863.09	3846877.25	1.18E-04	1.27E-04	2.03E-04	4.07E-08	1.23E-07	7.11E-08	7.68E-08	6.96E-08	3.18E-08	5.09E-08	1.36E-09	3.28E-08	7.24E-09	1.04E-08	1.65E-08	2.92E-09	3.35E-09	7.47E-08
3222	497363.09	3846877.25	1.28E-04	1.38E-04	2.21E-04	4.42E-08	1.33E-07	7.72E-08	8.35E-08	7.57E-08	3.45E-08	5.52E-08	1.48E-09	3.56E-08	7.87E-09	1.13E-08	1.80E-08	3.17E-09	3.64E-09	8.11E-08
3223	497863.09	3846877.25	1.37E-04	1.48E-04	2.36E-04	4.74E-08	1.43E-07	8.28E-08	8.94E-08	8.11E-08	3.70E-08	5.91E-08	1.58E-09	3.82E-08	8.43E-09	1.21E-08	1.93E-08	3.39E-09	3.90E-09	8.69E-08
3224	498363.09	3846877.25	1.42E-04	1.53E-04	2.45E-04	4.91E-08	1.48E-07	8.58E-08	9.27E-08	8.41E-08	3.84E-08	6.13E-08	1.64E-09	3.96E-08	8.74E-09	1.26E-08	2.00E-08	3.52E-09	4.04E-09	9.01E-08
3225	471363.09	3847377.25	2.46E-04	2.66E-04	4.21E-04	8.53E-08	2.58E-07	1.49E-07	1.61E-07	1.46E-07	6.65E-08	1.05E-07	2.85E-09	6.88E-08	1.52E-08	2.18E-08	3.46E-08	6.11E-09	6.94E-09	1.56E-07
3226	471863.09	3847377.25	2.49E-04	2.68E-04	4.24E-04	8.61E-08	2.60E-07	1.50E-07	1.62E-07	1.47E-07	6.71E-08	1.06E-07	2.87E-09	6.94E-08	1.53E-08	2.20E-08	3.49E-08	6.16E-09	6.99E-09	1.58E-07
3227	472363.09	3847377.25	2.50E-04	2.70E-04	4.25E-04	8.65E-08	2.61E-07	1.51E-07	1.63E-07	1.48E-07	6.75E-08	1.06E-07	2.89E-09	6.98E-08	1.54E-08	2.21E-08	3.51E-08	6.19E-09	7.02E-09	1.59E-07
3228	472863.09	3847377.25	2.39E-04	2.58E-04	4.07E-04	8.28E-08	2.50E-07	1.45E-07	1.56E-07	1.41E-07	6.45E-08	1.02E-07	2.76E-09	6.68E-08	1.47E-08	2.12E-08	3.36E-08	5.92E-09	6.71E-09	1.52E-07
3229	473363.09	3847377.25	1.89E-04	2.04E-04	3.23E-04	6.56E-08	1.98E-07	1.15E-07	1.24E-07	1.12E-07	5.11E-08	8.08E-08	2.19E-09	5.29E-08	1.17E-08	1.68E-08	2.66E-08	4.69E-09	5.33E-09	1.20E-07
3230	473863.09	3847377.25	1.82E-04	1.96E-04	3.10E-04	6.29E-08	1.90E-07	1.10E-07	1.19E-07	1.08E-07	4.91E-08	7.76E-08	2.10E-09	5.08E-08	1.12E-08	1.61E-08	2.56E-08	4.50E-09	5.12E-09	1.15E-07
3231	474363.09	3847377.25	1.81E-04	1.95E-04	3.08E-04	6.25E-08	1.89E-07	1.09E-07	1.18E-07	1.07E-07	4.88E-08	7.70E-08	2.09E-09	5.05E-08	1.11E-08	1.60E-08	2.54E-08	4.48E-09	5.08E-09	1.15E-07
3232	474863.09	3847377.25	1.73E-04	1.86E-04	2.94E-04	5.98E-08	1.81E-07	1.05E-07	1.13E-07	1.02E-07	4.66E-08	7.36E-08	2.00E-09	4.83E-08	1.06E-08	1.53E-08	2.43E-08	4.28E-09	4.85E-09	1.10E-07
3233	475363.09	3847377.25	1.80E-04	1.94E-04	3.07E-04	6.23E-08	1.88E-07	1.09E-07	1.18E-07	1.07E-07	4.86E-08	7.68E-08	2.08E-09	5.03E-08	1.11E-08	1.60E-08	2.53E-08	4.46E-09	5.06E-09	1.14E-07
3234	475863.09	3847377.25	2.42E-04	2.61E-04	4.13E-04	8.38E-08	2.53E-07	1.46E-07	1.58E-07	1.43E-07	6.54E-08	1.03E-07	2.80E-09	6.76E-08	1.49E-08	2.15E-08	3.40E-08	6.00E-09	6.81E-09	1.54E-07
3235	476363.09	3847377.25	3.23E-04	3.49E-04	5.53E-04	1.12E-07	3.38E-07	1.96E-07	2.11E-07	1.91E-07	8.73E-08	1.38E-07	3.74E-09	9.03E-08	1.99E-08	2.87E-08	4.55E-08	8.01E-09	9.12E-09	2.05E-07
3236	476863.09	3847377.25	3.10E-04	3.34E-04	5.30E-04	1.07E-07	3.24E-07	1.88E-07	2.02E-07	1.83E-07	8.37E-08	1.33E-07	3.58E-09	8.65E-08	1.91E-08	2.75E-08	4.36E-08	7.68E-09	8.75E-09	1.97E-07
3237	477363.09	3847377.25	2.81E-04	3.04E-04	4.80E-04	9.74E-08	2.94E-07	1.70E-07	1.84E-07	1.67E-07	7.60E-08	1.20E-07	3.25E-09	7.86E-08	1.73E-08	2.49E-08	3.96E-08	6.97E-09	7.93E-09	1.79E-07
3238	477863.09	3847377.25	2.38E-04	2.57E-04	4.07E-04	8.25E-08	2.49E-07	1.44E-07	1.56E-07	1.41E-07	6.44E-08	1.02E-07	2.76E-09	6.66E-08	1.47E-08	2.11E-08	3.35E-08	5.91E-09	6.71E-09	1.51E-07

3239	478363.09	3847377.25	2.11E-04	2.28E-04	3.59E-04	7.31E-08	2.21E-07	1.28E-07	1.38E-07	1.25E-07	5.70E-08	8.98E-08	2.44E-09	5.89E-08	1.30E-08	1.87E-08	2.97E-08	5.23E-09	5.92E-09	1.34E-07
3240	478863.09	3847377.25	1.99E-04	2.14E-04	3.37E-04	6.88E-08	2.08E-07	1.20E-07	1.30E-07	1.17E-07	5.36E-08	8.44E-08	2.30E-09	5.55E-08	1.22E-08	1.76E-08	2.79E-08	4.92E-09	5.56E-09	1.26E-07
3241	479363.09	3847377.25	1.62E-04	1.75E-04	2.75E-04	5.61E-08	1.69E-07	9.81E-08	1.06E-07	9.59E-08	4.38E-08	6.89E-08	1.87E-09	4.53E-08	9.99E-09	1.44E-08	2.28E-08	4.02E-09	4.54E-09	1.03E-07
3242	479863.09	3847377.25	1.20E-04	1.30E-04	2.05E-04	4.17E-08	1.26E-07	7.28E-08	7.86E-08	7.12E-08	3.25E-08	5.12E-08	1.39E-09	3.36E-08	7.42E-09	1.07E-08	1.69E-08	2.98E-09	3.38E-09	7.64E-08
3243	480363.09	3847377.25	9.16E-05	9.88E-05	1.56E-04	3.17E-08	9.57E-08	5.54E-08	5.98E-08	5.42E-08	2.47E-08	3.91E-08	1.06E-09	2.56E-08	5.64E-09	8.12E-09	1.29E-08	2.27E-09	2.58E-09	5.81E-08
3244	480863.09	3847377.25	8.39E-05	9.06E-05	1.43E-04	2.91E-08	8.77E-08	5.08E-08	5.48E-08	4.97E-08	2.27E-08	3.59E-08	9.70E-10	2.34E-08	5.17E-09	7.44E-09	1.18E-08	2.08E-09	2.37E-09	5.33E-08
3245	481363.09	3847377.25	9.05E-05	9.76E-05	1.54E-04	3.13E-08	9.46E-08	5.47E-08	5.91E-08	5.35E-08	2.44E-08	3.86E-08	1.05E-09	2.53E-08	5.58E-09	8.02E-09	1.27E-08	2.24E-09	2.54E-09	5.74E-08
3246	481863.09	3847377.25	1.06E-04	1.15E-04	1.80E-04	3.68E-08	1.11E-07	6.43E-08	6.94E-08	6.29E-08	2.87E-08	4.52E-08	1.23E-09	2.97E-08	6.55E-09	9.42E-09	1.49E-08	2.63E-09	2.98E-09	6.74E-08
3247	482363.09	3847377.25	1.02E-04	1.09E-04	1.72E-04	3.51E-08	1.06E-07	6.14E-08	6.62E-08	6.00E-08	2.74E-08	4.31E-08	1.17E-09	2.83E-08	6.26E-09	8.99E-09	1.43E-08	2.51E-09	2.85E-09	6.44E-08
3248	482863.09	3847377.25	9.51E-05	1.02E-04	1.61E-04	3.29E-08	9.94E-08	5.75E-08	6.20E-08	5.62E-08	2.57E-08	4.03E-08	1.10E-09	2.66E-08	5.86E-09	8.42E-09	1.34E-08	2.35E-09	2.66E-09	6.03E-08
3249	483363.09	3847377.25	8.97E-05	9.67E-05	1.52E-04	3.10E-08	9.37E-08	5.42E-08	5.85E-08	5.30E-08	2.42E-08	3.81E-08	1.04E-09	2.50E-08	5.52E-09	7.94E-09	1.26E-08	2.22E-09	2.52E-09	5.69E-08
3250	483863.09	3847377.25	8.63E-05	9.30E-05	1.47E-04	2.99E-08	9.02E-08	5.22E-08	5.63E-08	5.10E-08	2.33E-08	3.67E-08	9.97E-10	2.41E-08	5.32E-09	7.64E-09	1.21E-08	2.14E-09	2.42E-09	5.47E-08
3251	484363.09	3847377.25	8.69E-05	9.36E-05	1.47E-04	3.01E-08	9.08E-08	5.26E-08	5.67E-08	5.14E-08	2.34E-08	3.69E-08	1.00E-09	2.43E-08	5.35E-09	7.69E-09	1.22E-08	2.15E-09	2.43E-09	5.51E-08
3252	484863.09	3847377.25	8.24E-05	8.88E-05	1.40E-04	2.85E-08	8.61E-08	4.98E-08	5.37E-08	4.87E-08	2.22E-08	3.50E-08	9.52E-10	2.30E-08	5.07E-09	7.29E-09	1.16E-08	2.04E-09	2.31E-09	5.22E-08
3253	485363.09	3847377.25	8.01E-05	8.63E-05	1.36E-04	2.77E-08	8.37E-08	4.84E-08	5.22E-08	4.74E-08	2.16E-08	3.41E-08	9.25E-10	2.24E-08	4.93E-09	7.09E-09	1.13E-08	1.98E-09	2.25E-09	5.08E-08
3254	485863.09	3847377.25	7.88E-05	8.50E-05	1.34E-04	2.73E-08	8.24E-08	4.77E-08	5.14E-08	4.66E-08	2.13E-08	3.35E-08	9.11E-10	2.20E-08	4.86E-09	6.98E-09	1.11E-08	1.95E-09	2.21E-09	5.00E-08
3255	486363.09	3847377.25	7.73E-05	8.33E-05	1.31E-04	2.67E-08	8.08E-08	4.68E-08	5.04E-08	4.57E-08	2.09E-08	3.29E-08	8.93E-10	2.16E-08	4.76E-09	6.84E-09	1.09E-08	1.91E-09	2.17E-09	4.90E-08
3256	486863.09	3847377.25	7.05E-05	7.60E-05	1.20E-04	2.44E-08	7.37E-08	4.26E-08	4.60E-08	4.17E-08	1.90E-08	3.00E-08	8.15E-10	1.97E-08	4.34E-09	6.24E-09	9.90E-09	1.75E-09	1.98E-09	4.47E-08
3257	487363.09	3847377.25	6.99E-05	7.54E-05	1.19E-04	2.42E-08	7.30E-08	4.23E-08	4.56E-08	4.14E-08	1.89E-08	2.98E-08	8.08E-10	1.95E-08	4.31E-09	6.19E-09	9.82E-09	1.73E-09	1.97E-09	4.43E-08
3258	487863.09	3847377.25	6.65E-05	7.17E-05	1.14E-04	2.30E-08	6.95E-08	4.02E-08	4.34E-08	3.93E-08	1.80E-08	2.84E-08	7.68E-10	1.86E-08	4.10E-09	5.89E-09	9.35E-09	1.65E-09	1.88E-09	4.22E-08
3259	488363.09	3847377.25	6.60E-05	7.13E-05	1.13E-04	2.29E-08	6.90E-08	3.99E-08	4.31E-08	3.91E-08	1.78E-08	2.83E-08	7.63E-10	1.84E-08	4.07E-09	5.85E-09	9.29E-09	1.64E-09	1.87E-09	4.19E-08
3260	488863.09	3847377.25	6.70E-05	7.23E-05	1.15E-04	2.32E-08	7.00E-08	4.05E-08	4.38E-08	3.97E-08	1.81E-08	2.88E-08	7.74E-10	1.87E-08	4.13E-09	5.94E-09	9.42E-09	1.66E-09	1.90E-09	4.25E-08
3261	489363.09	3847377.25	6.83E-05	7.37E-05	1.17E-04	2.36E-08	7.13E-08	4.13E-08	4.46E-08	4.04E-08	1.84E-08	2.93E-08	7.89E-10	1.91E-08	4.21E-09	6.05E-09	9.60E-09	1.69E-09	1.94E-09	4.33E-08
3262	489863.09	3847377.25	6.74E-05	7.28E-05	1.16E-04	2.33E-08	7.04E-08	4.08E-08	4.40E-08	3.99E-08	1.82E-08	2.91E-08	7.79E-10	1.88E-08	4.15E-09	5.98E-09	9.48E-09	1.67E-09	1.92E-09	4.28E-08
3263	490363.09	3847377.25	6.66E-05	7.20E-05	1.15E-04	2.31E-08	6.97E-08	4.03E-08	4.36E-08	3.95E-08	1.80E-08	2.88E-08	7.70E-10	1.86E-08	4.11E-09	5.92E-09	9.38E-09	1.65E-09	1.90E-09	4.23E-08
3264	490863.09	3847377.25	6.82E-05	7.37E-05	1.18E-04	2.36E-08	7.13E-08	4.13E-08	4.46E-08	4.04E-08	1.84E-08	2.95E-08	7.88E-10	1.90E-08	4.20E-09	6.05E-09	9.60E-09	1.69E-09	1.94E-09	4.33E-08
3265	491363.09	3847377.25	6.93E-05	7.49E-05	1.20E-04	2.40E-08	7.24E-08	4.19E-08	4.53E-08	4.11E-08	1.87E-08	3.00E-08	8.01E-10	1.93E-08	4.27E-09	6.15E-09	9.76E-09	1.72E-09	1.98E-09	4.40E-08
3266	491863.09	3847377.25	7.48E-05	8.08E-05	1.29E-04	2.59E-08	7.82E-08	4.53E-08	4.89E-08	4.43E-08	2.02E-08	3.23E-08	8.64E-10	2.09E-08	4.61E-09	6.64E-09	1.05E-08	1.86E-09	2.13E-09	4.75E-08
3267	492363.09	3847377.25	7.67E-05	8.29E-05	1.33E-04	2.66E-08	8.02E-08	4.64E-08	5.02E-08	4.55E-08	2.08E-08	3.32E-08	8.87E-10	2.14E-08	4.73E-09	6.81E-09	1.08E-08	1.90E-09	2.19E-09	4.88E-08
3268	492863.09	3847377.25	8.23E-05	8.90E-05	1.42E-04	2.85E-08	8.61E-08	4.98E-08	5.38E-08	4.88E-08	2.23E-08	3.57E-08	9.52E-10	2.30E-08	5.07E-09	7.31E-09	1.16E-08	2.04E-09	2.35E-09	5.23E-08
3269	493363.09	3847377.25	8.73E-05	9.43E-05	1.51E-04	3.02E-08	9.12E-08	5.28E-08	5.71E-08	5.17E-08	2.36E-08	3.78E-08	1.01E-09	2.44E-08	5.38E-09	7.75E-09	1.23E-08	2.17E-09	2.49E-09	5.54E-08
3270	493863.09	3847377.25	9.05E-05	9.78E-05	1.57E-04	3.13E-08	9.46E-08	5.48E-08	5.92E-08	5.36E-08	2.45E-08	3.92E-08	1.05E-09	2.53E-08	5.58E-09	8.03E-09	1.27E-08	2.25E-09	2.59E-09	5.75E-08
3271	494363.09	3847377.25	9.42E-05	1.02E-04	1.63E-04	3.26E-08	9.84E-08	5.70E-08	6.16E-08	5.58E-08	2.55E-08	4.08E-08	1.09E-09	2.63E-08	5.80E-09	8.36E-09	1.33E-08	2.34E-09	2.69E-09	5.98E-08
3272	494863.09	3847377.25	9.99E-05	1.08E-04	1.73E-04	3.46E-08	1.04E-07	6.05E-08	6.53E-08	5.92E-08	2.70E-08	4.33E-08	1.16E-09	2.79E-08	6.16E-09	8.87E-09	1.41E-08	2.48E-09	2.86E-09	6.35E-08
3273	495363.09	3847377.25	1.05E-04	1.14E-04	1.82E-04	3.64E-08	1.10E-07	6.37E-08	6.88E-08	6.24E-08	2.85E-08	4.56E-08	1.22E-09	2.94E-08	6.49E-09	9.35E-09	1.48E-08	2.61E-09	3.01E-09	6.69E-08
3274	495863.09	3847377.25	1.12E-04	1.21E-04	1.94E-04	3.89E-08	1.17E-07	6.79E-08	7.34E-08	6.66E-08	3.04E-08	4.87E-08	1.30E-09	3.14E-08	6.92E-09	9.97E-09	1.58E-08	2.79E-09	3.21E-09	7.14E-08
3275	496363.09	3847377.25	1.19E-04	1.29E-04	2.06E-04	4.12E-08	1.24E-07	7.20E-08	7.78E-08	7.06E-08	3.22E-08	5.15E-08	1.38E-09	3.32E-08	7.34E-09	1.06E-08	1.68E-08	2.95E-09	3.40E-09	7.56E-08
3276	496863.09	3847377.25	1.30E-04	1.40E-04	2.25E-04	4.50E-08	1.36E-07	7.86E-08	8.49E-08	7.70E-08	3.51E-08	5.62E-08	1.50E-09	3.63E-08	8.00E-09	1.15E-08	1.83E-08	3.22E-09	3.71E-09	8.25E-08
3277	497363.09	3847377.25	1.43E-04	1.55E-04	2.48E-04	4.96E-08	1.50E-07	8.67E-08	9.37E-08	8.49E-08	3.87E-08	6.20E-08	1.66E-09	4.00E-08	8.83E-09	1.27E-08	2.02E-08	3.56E-09	4.09E-09	9.10E-08
3278	497863.09	3847377.25	1.59E-04	1.72E-04	2.74E-04	5.49E-08	1.66E-07	9.60E-08	1.04E-07	9.41E-08	4.29E-08	6.86E-08	1.83E-09	4.43E-08	9.78E-09	1.41E-08	2.24E-08	3.94E-09	4.53E-09	1.01E-07
3279	498363.09	3847377.25	1.67E-04	1.81E-04	2.89E-04	5.79E-08	1.75E-07	1.01E-07	1.09E-07	9.91E-08	4.52E-08	7.23E-08	1.93E-09	4.67E-08	1.03E-08	1.48E-08	2.36E-08	4.15E-09	4.77E-09	1.06E-07
3280	471363.09	3847877.25	2.68E-04	2.89E-04	4.58E-04	9.27E-08	2.80E-07	1.62E-07	1.75E-07	1.58E-07	7.23E-08	1.15E-07	3.09E-09	7.48E-08	1.65E-08	2.37E-08	3.77E-08	6.64E-09	7.56E-09	1.70E-07
3281	471863.09	3847877.25	2.73E-04	2.95E-04	4.67E-04	9.46E-08	2.86E-07	1.65E-07	1.78E-07	1.62E-07	7.38E-08	1.17E-07	3.16E-09	7.63E-08	1.68E-08	2.42E-08	3.84E-08	6.77E-09	7.70E-09	1.73E-07
3282	472363.09	3847877.25	2.75E-04	2.97E-04	4.70E-04	9.54E-08	2.88E-07	1.67E-07	1.80E-07	1.63E-07	7.44E-08	1.18E-07	3.18E-09	7.69E-08	1.70E-08	2.44E-08	3.87E-08	6.83E-09	7.75E-09	1.75E-07
3283	472863.09	3847877.25	2.76E-04	2.98E-04	4.70E-04	9.55E-08	2.88E-07	1.67E-07	1.80E-07	1.63E-07	7.45E-08	1.18E-07	3.19E-09	7.70E-08	1.70E-08	2.44E-08	3.88E-08	6.83E-09	7.75E-09	1.75E-07
3284	473363.09	3847877.25	2.77E-04	2.99E-04	4.71E-04	9.60E-08	2.90E-07	1.68E-07	1.81E-07	1.64E-07	7.48E-08	1.18E-07	3.21E-09	7.74E-08	1.71E-08	2.46E-08	3.90E-08	6.87E-09	7.78E-09	1.76E-07
3285	473863.09	3847877.25	2.60E-04	2.80E-04	4.42E-04	9.00E-08	2.72E-07	1.57E-07	1.70E-07	1.54E-07	7.02E-08	1.11E-07	3.01E-09	7.26E-08	1.60E-08	2.30E-08	3.66E-08	6.44E-09	7.30E-09	1.65E-07
3286	474363.09	3847877.25	2.13E-04	2.30E-04	3.63E-04	7.37E-08	2.22E-07	1.29E-07	1.39E-07	1.26E-07	5.74E-08	9.08E-08	2.46E-09	5.94E-08	1.31E-08	1.89E-08	2.99E-08	5.27E-09	5.99E-09	1.35E-07
3287	474863.09	3847877.25	2.12E-04	2.28E-04	3.60E-04	7.32E-08	2.21E-07	1.28E-07	1.38E-07	1.25E-07	5.71E-08	9.01E-08	2.45E-09	5.91E-08	1.30E-08	1.87E-08	2.97E-08	5.24E-09	5.95E-09	1.34E-07
3288	475363.09	3847877.25	1.93E-04	2.09E-04	3.29E-04	6.69E-08	2.02E-07	1.17E-07	1.26E-07	1.14E-07	5.22E-08	8.24E-08	2.24E-09	5.40E-08	1.19E-08	1.71E-08	2.72E-08	4.79E-09	5.43E-09	1.23E-07
3289	475863.09	3847877.25	1.98E-04	2.14E-04	3.38E-04	6.86E-08	2.07E-07	1.20E-07	1.29E-07	1.17E-07	5.35E-08	8.45E-08	2.29E-09	5.54E-08	1.22E-08	1.76E-08	2.79E-08	4.91E-09	5.57E-09	1.26E-07
3290	476363.09	3847877.25	2.99E-04	3.22E-04	5.09E-04	1.03E-07	3.12E-07	1.81E-07	1.95E-07	1.77E-07	8.07E-08	1.27E-07	3.45E-09	8.35E-08	1.84E-08	2.65E-08	4.20E-08	7.40E-09	8.41E-09	1.90E-07
3291	476863.09	3847877.25	3.64E-04	3.93E-04	6.22E-04	1.26E-07	3.81E-07	2.20E-07	2.38E-07	2.15E-07	9.83E-08	1.56E-07	4.21E-09	1.02E-07	2.24E-08	3.23E-08	5.12E-08	9.02E-09	1.03E-08	2.31E-07
3292	477363.09	3847877.25	3.61E-04	3.89E-04	6.16E-04	1.25E-07	3.77E-07	2.18E-07	2.35E-07	2.13E-07	9.74E-08	1.54E-07	4.17E-09	1.01E-07	2.22E-08	3.20E-08	5.07E-08	8.94E-09	1.02E-08	2.29E-07
3293	477863.09	3847877.25	3.15E-04	3.40E-04	5.37E-04	1.09E-07	3.29E-07	1.91E-07	2.06E-07	1.86E-07	8.51E-08	1.34E-07	3.64E-09	8.80E-08	1.94E-08	2.79E-08	4.43E-08	7.81E-09	8.87E-09	2.00E-07
3294	478363.09	3847877.25	2.69E-04	2.90E-04	4.59E-04	9.32E-08	2.81E-07	1.63E-07	1.76E-07	1.59E-07	7.27E-08	1.15E-07	3.11E-09	7.51E-08	1.66E-08	2.38E-08	3.78E-08	6.67E-09	7.58E-09	1.71E-07
3295	478863.09	3847877.25	2.33E-04	2.51E-04	3.96E-04	8.07E-08	2.44E-07	1.41E-07	1.52E-07	1.38E-07	6.29E-08	9.91E-08	2.70E-09	6.51E-08	1.44E-08	2.07E-08	3.28E-08	5.78E-09	6.54E-09	1.48E-07
3296	479363.09	3847877.25	1.63E-04	1.76E-04	2.78E-04	5.66E-08	1.71E-07	9.89E-08	1.07E-07	9.67E-08	4.41E-08	6.96E-08	1.89E-09	4.57E-08	1.01E-08	1.45E-08	2.30E-08	4.05E-09	4.59E-09	1.04E-07
3297	479863.09	3847877.25	1.05E-04	1.14E-04	1.80E-04	3.64E-08	1.10E-07	6.37E-08	6.87E-08	6.23E-08	2.84E-08	4.50E-08	1.22E-09	2.94E-08	6.48E-09	9.33E-09	1.48E-08	2.61E-09	2.97E-09	6.68E-08

3298	480363.09	3847877.25	1.07E-04	1.16E-04	1.82E-04	3.71E-08	1.12E-07	6.48E-08	6.99E-08	6.34E-08	2.89E-08	4.57E-08	1.24E-09	2.99E-08	6.60E-09	9.49E-09	1.51E-08	2.65E-09	3.01E-09	6.80E-08
3299	480863.09	3847877.25	9.71E-05	1.05E-04	1.66E-04	3.36E-08	1.01E-07	5.87E-08	6.34E-08	5.74E-08	2.62E-08	4.14E-08	1.12E-09	2.71E-08	5.98E-09	8.60E-09	1.36E-08	2.41E-09	2.73E-09	6.16E-08
3300	481363.09	3847877.25	9.84E-05	1.06E-04	1.68E-04	3.40E-08	1.03E-07	5.95E-08	6.42E-08	5.82E-08	2.66E-08	4.20E-08	1.14E-09	2.75E-08	6.06E-09	8.72E-09	1.38E-08	2.44E-09	2.77E-09	6.24E-08
3301	481863.09	3847877.25	1.23E-04	1.33E-04	2.09E-04	4.26E-08	1.29E-07	7.44E-08	8.02E-08	7.27E-08	3.32E-08	5.22E-08	1.42E-09	3.43E-08	7.58E-09	1.09E-08	1.73E-08	3.05E-09	3.44E-09	7.80E-08
3302	482363.09	3847877.25	1.16E-04	1.26E-04	1.98E-04	4.03E-08	1.22E-07	7.05E-08	7.60E-08	6.89E-08	3.14E-08	4.95E-08	1.35E-09	3.25E-08	7.18E-09	1.03E-08	1.64E-08	2.88E-09	3.27E-09	7.39E-08
3303	482863.09	3847877.25	1.07E-04	1.15E-04	1.81E-04	3.70E-08	1.12E-07	6.46E-08	6.97E-08	6.31E-08	2.88E-08	4.53E-08	1.23E-09	2.98E-08	6.58E-09	9.46E-09	1.50E-08	2.64E-09	2.99E-09	6.77E-08
3304	483363.09	3847877.25	1.01E-04	1.09E-04	1.72E-04	3.51E-08	1.06E-07	6.14E-08	6.61E-08	6.00E-08	2.74E-08	4.30E-08	1.17E-09	2.83E-08	6.25E-09	8.98E-09	1.42E-08	2.51E-09	2.84E-09	6.43E-08
3305	483863.09	3847877.25	9.90E-05	1.07E-04	1.68E-04	3.43E-08	1.03E-07	5.99E-08	6.46E-08	5.85E-08	2.67E-08	4.21E-08	1.14E-09	2.76E-08	6.10E-09	8.77E-09	1.39E-08	2.45E-09	2.77E-09	6.28E-08
3306	484363.09	3847877.25	9.85E-05	1.06E-04	1.67E-04	3.41E-08	1.03E-07	5.96E-08	6.42E-08	5.82E-08	2.66E-08	4.18E-08	1.14E-09	2.75E-08	6.07E-09	8.72E-09	1.38E-08	2.44E-09	2.75E-09	6.24E-08
3307	484863.09	3847877.25	9.52E-05	1.03E-04	1.62E-04	3.29E-08	9.95E-08	5.76E-08	6.21E-08	5.63E-08	2.57E-08	4.04E-08	1.10E-09	2.66E-08	5.86E-09	8.43E-09	1.34E-08	2.36E-09	2.67E-09	6.04E-08
3308	485363.09	3847877.25	9.38E-05	1.01E-04	1.59E-04	3.25E-08	9.80E-08	5.67E-08	6.12E-08	5.55E-08	2.53E-08	3.98E-08	1.08E-09	2.62E-08	5.78E-09	8.31E-09	1.32E-08	2.32E-09	2.63E-09	5.95E-08
3309	485863.09	3847877.25	9.24E-05	9.96E-05	1.57E-04	3.20E-08	9.66E-08	5.59E-08	6.03E-08	5.46E-08	2.49E-08	3.92E-08	1.07E-09	2.58E-08	5.69E-09	8.18E-09	1.30E-08	2.29E-09	2.59E-09	5.86E-08
3310	486363.09	3847877.25	8.63E-05	9.30E-05	1.47E-04	2.99E-08	9.02E-08	5.22E-08	5.63E-08	5.10E-08	2.33E-08	3.67E-08	9.97E-10	2.41E-08	5.32E-09	7.64E-09	1.21E-08	2.14E-09	2.42E-09	5.47E-08
3311	486863.09	3847877.25	8.15E-05	8.79E-05	1.39E-04	2.82E-08	8.52E-08	4.93E-08	5.32E-08	4.82E-08	2.20E-08	3.47E-08	9.42E-10	2.28E-08	5.02E-09	7.22E-09	1.15E-08	2.02E-09	2.29E-09	5.17E-08
3312	487363.09	3847877.25	7.91E-05	8.53E-05	1.35E-04	2.74E-08	8.26E-08	4.78E-08	5.16E-08	4.68E-08	2.13E-08	3.37E-08	9.14E-10	2.21E-08	4.87E-09	7.01E-09	1.11E-08	1.96E-09	2.22E-09	5.02E-08
3313	487863.09	3847877.25	7.60E-05	8.21E-05	1.30E-04	2.63E-08	7.95E-08	4.60E-08	4.96E-08	4.50E-08	2.05E-08	3.26E-08	8.79E-10	2.12E-08	4.68E-09	6.74E-09	1.07E-08	1.88E-09	2.15E-09	4.83E-08
3314	488363.09	3847877.25	7.60E-05	8.20E-05	1.30E-04	2.63E-08	7.94E-08	4.60E-08	4.96E-08	4.50E-08	2.05E-08	3.26E-08	8.78E-10	2.12E-08	4.68E-09	6.74E-09	1.07E-08	1.88E-09	2.15E-09	4.82E-08
3315	488863.09	3847877.25	7.73E-05	8.34E-05	1.33E-04	2.67E-08	8.08E-08	4.68E-08	5.05E-08	4.58E-08	2.09E-08	3.32E-08	8.93E-10	2.16E-08	4.76E-09	6.85E-09	1.09E-08	1.92E-09	2.19E-09	4.91E-08
3316	489363.09	3847877.25	7.92E-05	8.56E-05	1.36E-04	2.74E-08	8.28E-08	4.80E-08	5.18E-08	4.69E-08	2.14E-08	3.40E-08	9.16E-10	2.21E-08	4.88E-09	7.03E-09	1.11E-08	1.97E-09	2.25E-09	5.03E-08
3317	489863.09	3847877.25	8.33E-05	9.00E-05	1.43E-04	2.88E-08	8.71E-08	5.04E-08	5.44E-08	4.93E-08	2.25E-08	3.58E-08	9.63E-10	2.33E-08	5.13E-09	7.39E-09	1.17E-08	2.07E-09	2.36E-09	5.29E-08
3318	490363.09	3847877.25	8.50E-05	9.18E-05	1.46E-04	2.94E-08	8.88E-08	5.14E-08	5.55E-08	5.03E-08	2.30E-08	3.66E-08	9.82E-10	2.37E-08	5.24E-09	7.54E-09	1.20E-08	2.11E-09	2.41E-09	5.40E-08
3319	490863.09	3847877.25	8.54E-05	9.22E-05	1.47E-04	2.96E-08	8.92E-08	5.17E-08	5.58E-08	5.06E-08	2.31E-08	3.68E-08	9.87E-10	2.38E-08	5.26E-09	7.58E-09	1.20E-08	2.12E-09	2.43E-09	5.42E-08
3320	491363.09	3847877.25	8.45E-05	9.13E-05	1.46E-04	2.93E-08	8.83E-08	5.11E-08	5.52E-08	5.01E-08	2.28E-08	3.65E-08	9.77E-10	2.36E-08	5.21E-09	7.50E-09	1.19E-08	2.10E-09	2.41E-09	5.37E-08
3321	491863.09	3847877.25	8.77E-05	9.48E-05	1.51E-04	3.04E-08	9.17E-08	5.31E-08	5.73E-08	5.20E-08	2.37E-08	3.79E-08	1.01E-09	2.45E-08	5.41E-09	7.79E-09	1.24E-08	2.18E-09	2.50E-09	5.57E-08
3322	492363.09	3847877.25	9.25E-05	9.99E-05	1.60E-04	3.20E-08	9.67E-08	5.60E-08	6.05E-08	5.48E-08	2.50E-08	4.00E-08	1.07E-09	2.58E-08	5.70E-09	8.21E-09	1.30E-08	2.30E-09	2.64E-09	5.88E-08
3323	492863.09	3847877.25	9.68E-05	1.05E-04	1.67E-04	3.35E-08	1.01E-07	5.86E-08	6.33E-08	5.74E-08	2.62E-08	4.19E-08	1.12E-09	2.70E-08	5.97E-09	8.60E-09	1.36E-08	2.40E-09	2.76E-09	6.15E-08
3324	493363.09	3847877.25	9.78E-05	1.06E-04	1.69E-04	3.39E-08	1.02E-07	5.92E-08	6.40E-08	5.80E-08	2.65E-08	4.24E-08	1.13E-09	2.73E-08	6.03E-09	8.68E-09	1.38E-08	2.43E-09	2.80E-09	6.21E-08
3325	493863.09	3847877.25	1.01E-04	1.09E-04	1.74E-04	3.48E-08	1.05E-07	6.09E-08	6.58E-08	5.96E-08	2.72E-08	4.36E-08	1.16E-09	2.81E-08	6.20E-09	8.93E-09	1.42E-08	2.50E-09	2.88E-09	6.39E-08
3326	494363.09	3847877.25	1.06E-04	1.14E-04	1.83E-04	3.65E-08	1.10E-07	6.39E-08	6.90E-08	6.26E-08	2.85E-08	4.58E-08	1.22E-09	2.95E-08	6.50E-09	9.37E-09	1.49E-08	2.62E-09	3.02E-09	6.71E-08
3327	494863.09	3847877.25	1.12E-04	1.21E-04	1.94E-04	3.87E-08	1.17E-07	6.76E-08	7.31E-08	6.62E-08	3.02E-08	4.84E-08	1.29E-09	3.12E-08	6.88E-09	9.92E-09	1.57E-08	2.77E-09	3.19E-09	7.10E-08
3328	495363.09	3847877.25	1.16E-04	1.25E-04	2.01E-04	4.01E-08	1.21E-07	7.01E-08	7.57E-08	6.86E-08	3.13E-08	5.02E-08	1.34E-09	3.23E-08	7.13E-09	1.03E-08	1.63E-08	2.87E-09	3.31E-09	7.36E-08
3329	495863.09	3847877.25	1.12E-04	1.21E-04	1.94E-04	3.87E-08	1.17E-07	6.77E-08	7.31E-08	6.63E-08	3.03E-08	4.85E-08	1.29E-09	3.12E-08	6.89E-09	9.93E-09	1.58E-08	2.78E-09	3.20E-09	7.11E-08
3330	496363.09	3847877.25	1.31E-04	1.42E-04	2.27E-04	4.54E-08	1.37E-07	7.93E-08	8.57E-08	7.77E-08	3.55E-08	5.68E-08	1.52E-09	3.66E-08	8.08E-09	1.16E-08	1.85E-08	3.25E-09	3.75E-09	8.33E-08
3331	496863.09	3847877.25	1.42E-04	1.54E-04	2.46E-04	4.92E-08	1.49E-07	8.60E-08	9.29E-08	8.42E-08	3.84E-08	6.15E-08	1.64E-09	3.97E-08	8.76E-09	1.26E-08	2.00E-08	3.53E-09	4.06E-09	9.03E-08
3332	497363.09	3847877.25	1.57E-04	1.70E-04	2.72E-04	5.45E-08	1.65E-07	9.53E-08	1.03E-07	9.33E-08	4.26E-08	6.81E-08	1.82E-09	4.40E-08	9.70E-09	1.40E-08	2.22E-08	3.91E-09	4.50E-09	1.00E-07
3333	497863.09	3847877.25	1.83E-04	1.98E-04	3.17E-04	6.35E-08	1.92E-07	1.11E-07	1.20E-07	1.09E-07	4.96E-08	7.93E-08	2.12E-09	5.12E-08	1.13E-08	1.63E-08	2.58E-08	4.55E-09	5.23E-09	1.16E-07
3334	498363.09	3847877.25	1.98E-04	2.14E-04	3.43E-04	6.86E-08	2.07E-07	1.20E-07	1.30E-07	1.17E-07	5.36E-08	8.57E-08	2.29E-09	5.53E-08	1.22E-08	1.76E-08	2.79E-08	4.92E-09	5.65E-09	1.26E-07
3335	471363.09	3848377.25	2.87E-04	3.09E-04	4.90E-04	9.92E-08	3.00E-07	1.73E-07	1.87E-07	1.70E-07	7.74E-08	1.23E-07	3.31E-09	8.00E-08	1.77E-08	2.54E-08	4.03E-08	7.10E-09	8.09E-09	1.82E-07
3336	471863.09	3848377.25	2.94E-04	3.17E-04	5.03E-04	1.02E-07	3.07E-07	1.78E-07	1.92E-07	1.74E-07	7.95E-08	1.26E-07	3.40E-09	8.21E-08	1.81E-08	2.61E-08	4.14E-08	7.29E-09	8.31E-09	1.87E-07
3337	472363.09	3848377.25	2.99E-04	3.22E-04	5.11E-04	1.03E-07	3.12E-07	1.81E-07	1.95E-07	1.77E-07	8.07E-08	1.28E-07	3.45E-09	8.35E-08	1.84E-08	2.65E-08	4.20E-08	7.41E-09	8.43E-09	1.90E-07
3338	472863.09	3848377.25	3.04E-04	3.28E-04	5.19E-04	1.05E-07	3.18E-07	1.84E-07	1.98E-07	1.80E-07	8.21E-08	1.30E-07	3.51E-09	8.49E-08	1.87E-08	2.69E-08	4.27E-08	7.53E-09	8.57E-09	1.93E-07
3339	473363.09	3848377.25	3.05E-04	3.29E-04	5.20E-04	1.06E-07	3.19E-07	1.85E-07	1.99E-07	1.81E-07	8.24E-08	1.30E-07	3.53E-09	8.52E-08	1.88E-08	2.70E-08	4.29E-08	7.56E-09	8.59E-09	1.94E-07
3340	473863.09	3848377.25	3.07E-04	3.31E-04	5.22E-04	1.06E-07	3.21E-07	1.86E-07	2.00E-07	1.82E-07	8.28E-08	1.31E-07	3.55E-09	8.57E-08	1.89E-08	2.72E-08	4.31E-08	7.60E-09	8.62E-09	1.95E-07
3341	474363.09	3848377.25	2.96E-04	3.20E-04	5.04E-04	1.03E-07	3.10E-07	1.79E-07	1.93E-07	1.75E-07	8.00E-08	1.26E-07	3.43E-09	8.28E-08	1.83E-08	2.63E-08	4.16E-08	7.34E-09	8.32E-09	1.88E-07
3342	474863.09	3848377.25	2.54E-04	2.73E-04	4.32E-04	8.78E-08	2.65E-07	1.53E-07	1.65E-07	1.50E-07	6.84E-08	1.08E-07	2.93E-09	7.08E-08	1.56E-08	2.25E-08	3.56E-08	6.28E-09	7.13E-09	1.61E-07
3343	475363.09	3848377.25	2.59E-04	2.80E-04	4.41E-04	8.98E-08	2.71E-07	1.57E-07	1.69E-07	1.53E-07	7.00E-08	1.10E-07	3.00E-09	7.24E-08	1.60E-08	2.30E-08	3.64E-08	6.42E-09	7.28E-09	1.64E-07
3344	475863.09	3848377.25	2.27E-04	2.44E-04	3.85E-04	7.85E-08	2.37E-07	1.37E-07	1.48E-07	1.34E-07	6.12E-08	9.65E-08	2.62E-09	6.33E-08	1.40E-08	2.01E-08	3.19E-08	5.61E-09	6.36E-09	1.44E-07
3345	476363.09	3848377.25	2.22E-04	2.40E-04	3.79E-04	7.70E-08	2.32E-07	1.35E-07	1.45E-07	1.32E-07	6.00E-08	9.47E-08	2.57E-09	6.21E-08	1.37E-08	1.97E-08	3.13E-08	5.51E-09	6.25E-09	1.41E-07
3346	476863.09	3848377.25	3.54E-04	3.82E-04	6.03E-04	1.23E-07	3.70E-07	2.14E-07	2.31E-07	2.10E-07	9.56E-08	1.51E-07	4.09E-09	9.89E-08	2.18E-08	3.14E-08	4.98E-08	8.77E-09	9.96E-09	2.25E-07
3347	477363.09	3848377.25	4.05E-04	4.37E-04	6.92E-04	1.40E-07	4.24E-07	2.45E-07	2.65E-07	2.40E-07	1.09E-07	1.73E-07	4.68E-09	1.13E-07	2.50E-08	3.59E-08	5.70E-08	1.00E-08	1.14E-08	2.57E-07
3348	477863.09	3848377.25	4.06E-04	4.38E-04	6.93E-04	1.40E-07	4.24E-07	2.45E-07	2.65E-07	2.40E-07	1.10E-07	1.74E-07	4.69E-09	1.13E-07	2.50E-08	3.60E-08	5.70E-08	1.01E-08	1.14E-08	2.57E-07
3349	478363.09	3848377.25	3.44E-04	3.71E-04	5.87E-04	1.19E-07	3.60E-07	2.08E-07	2.25E-07	2.04E-07	9.30E-08	1.47E-07	3.98E-09	9.62E-08	2.12E-08	3.05E-08	4.84E-08	8.53E-09	9.69E-09	2.18E-07
3350	478863.09	3848377.25	2.79E-04	3.01E-04	4.75E-04	9.65E-08	2.91E-07	1.69E-07	1.82E-07	1.65E-07	7.52E-08	1.19E-07	3.22E-09	7.78E-08	1.72E-08	2.47E-08	3.92E-08	6.91E-09	7.84E-09	1.77E-07
3351	479363.09	3848377.25	1.92E-04	2.07E-04	3.26E-04	6.64E-08	2.01E-07	1.16E-07	1.25E-07	1.13E-07	5.18E-08	8.17E-08	2.22E-09	5.36E-08	1.18E-08	1.70E-08	2.70E-08	4.75E-09	5.39E-09	1.22E-07
3352	479863.09	3848377.25	8.59E-05	9.28E-05	1.48E-04	2.98E-08	8.98E-08	5.20E-08	5.62E-08	5.09E-08	2.32E-08	3.70E-08	9.94E-10	2.40E-08	5.30E-09	7.62E-09	1.21E-08	2.13E-09	2.44E-09	5.46E-08
3353	480363.09	3848377.25	1.10E-04	1.19E-04	1.88E-04	3.81E-08	1.15E-07	6.66E-08	7.18E-08	6.51E-08	2.97E-08	4.70E-08	1.27E-09	3.07E-08	6.78E-09	9.75E-09	1.55E-08	2.73E-09	3.10E-09	6.98E-08
3354	480863.09	3848377.25	1.40E-04	1.51E-04	2.39E-04	4.86E-08	1.47E-07	8.50E-08	9.16E-08	8.30E-08	3.79E-08	5.97E-08	1.62E-09	3.92E-08	8.65E-09	1.24E-08	1.97E-08	3.48E-09	3.94E-09	8.91E-08
3355	481363.09	3848377.25	1.40E-04	1.51E-04	2.38E-04	4.86E-08	1.47E-07	8.49E-08	9.15E-08	8.30E-08	3.79E-08	5.97E-08	1.62E-09	3.92E-08	8.64E-09	1.24E-08	1.97E-08	3.47E-09	3.94E-09	8.90E-08
3356	481863.09	3848377.25	1.44E-04	1.55E-04	2.44E-04	4.97E-08	1.50E-07	8.69E-08	9.37E-08	8.49E-08	3.87E-08	6.09E-08	1.66E-09	4.01E-08	8.85E-09	1.27E-08	2.02E-08	3.56E-09	4.02E-09	9.11E-08

3357	482363.09	3848377.25	1.43E-04	1.54E-04	2.42E-04	4.94E-08	1.49E-07	8.63E-08	9.31E-08	8.44E-08	3.85E-08	6.07E-08	1.65E-09	3.98E-08	8.79E-09	1.26E-08	2.01E-08	3.53E-09	4.00E-09	9.05E-08
3358	482863.09	3848377.25	1.25E-04	1.34E-04	2.11E-04	4.31E-08	1.30E-07	7.54E-08	8.12E-08	7.37E-08	3.36E-08	5.28E-08	1.44E-09	3.48E-08	7.68E-09	1.10E-08	1.75E-08	3.08E-09	3.48E-09	7.90E-08
3359	483363.09	3848377.25	1.20E-04	1.29E-04	2.03E-04	4.15E-08	1.25E-07	7.26E-08	7.82E-08	7.09E-08	3.23E-08	5.08E-08	1.39E-09	3.35E-08	7.39E-09	1.06E-08	1.68E-08	2.97E-09	3.35E-09	7.60E-08
3360	483863.09	3848377.25	1.11E-04	1.20E-04	1.88E-04	3.84E-08	1.16E-07	6.71E-08	7.23E-08	6.56E-08	2.99E-08	4.70E-08	1.28E-09	3.10E-08	6.83E-09	9.82E-09	1.56E-08	2.74E-09	3.10E-09	7.03E-08
3361	484363.09	3848377.25	1.07E-04	1.16E-04	1.82E-04	3.71E-08	1.12E-07	6.49E-08	6.99E-08	6.34E-08	2.89E-08	4.55E-08	1.24E-09	2.99E-08	6.61E-09	9.49E-09	1.51E-08	2.65E-09	3.00E-09	6.80E-08
3362	484863.09	3848377.25	1.13E-04	1.21E-04	1.91E-04	3.90E-08	1.18E-07	6.82E-08	7.35E-08	6.66E-08	3.04E-08	4.78E-08	1.30E-09	3.15E-08	6.94E-09	9.98E-09	1.58E-08	2.79E-09	3.15E-09	7.15E-08
3363	485363.09	3848377.25	1.08E-04	1.17E-04	1.84E-04	3.76E-08	1.13E-07	6.56E-08	7.08E-08	6.41E-08	2.93E-08	4.60E-08	1.25E-09	3.03E-08	6.68E-09	9.61E-09	1.52E-08	2.69E-09	3.03E-09	6.88E-08
3364	485863.09	3848377.25	1.06E-04	1.14E-04	1.79E-04	3.66E-08	1.10E-07	6.39E-08	6.89E-08	6.25E-08	2.85E-08	4.48E-08	1.22E-09	2.95E-08	6.51E-09	9.36E-09	1.48E-08	2.62E-09	2.96E-09	6.70E-08
3365	486363.09	3848377.25	1.00E-04	1.08E-04	1.70E-04	3.46E-08	1.05E-07	6.05E-08	6.52E-08	5.91E-08	2.70E-08	4.25E-08	1.16E-09	2.79E-08	6.16E-09	8.86E-09	1.40E-08	2.48E-09	2.80E-09	6.34E-08
3366	486863.09	3848377.25	9.36E-05	1.01E-04	1.59E-04	3.24E-08	9.79E-08	5.66E-08	6.11E-08	5.54E-08	2.53E-08	3.98E-08	1.08E-09	2.61E-08	5.77E-09	8.29E-09	1.32E-08	2.32E-09	2.63E-09	5.94E-08
3367	487363.09	3848377.25	8.78E-05	9.47E-05	1.50E-04	3.04E-08	9.18E-08	5.31E-08	5.73E-08	5.19E-08	2.37E-08	3.75E-08	1.01E-09	2.45E-08	5.41E-09	7.78E-09	1.23E-08	2.17E-09	2.47E-09	5.57E-08
3368	487863.09	3848377.25	8.79E-05	9.48E-05	1.50E-04	3.04E-08	9.18E-08	5.32E-08	5.74E-08	5.20E-08	2.37E-08	3.76E-08	1.02E-09	2.45E-08	5.41E-09	7.79E-09	1.24E-08	2.18E-09	2.48E-09	5.58E-08
3369	488363.09	3848377.25	8.84E-05	9.54E-05	1.51E-04	3.06E-08	9.24E-08	5.35E-08	5.77E-08	5.23E-08	2.39E-08	3.79E-08	1.02E-09	2.47E-08	5.45E-09	7.84E-09	1.24E-08	2.19E-09	2.50E-09	5.61E-08
3370	488863.09	3848377.25	9.04E-05	9.76E-05	1.55E-04	3.13E-08	9.45E-08	5.47E-08	5.90E-08	5.35E-08	2.44E-08	3.88E-08	1.04E-09	2.52E-08	5.57E-09	8.01E-09	1.27E-08	2.24E-09	2.56E-09	5.74E-08
3371	489363.09	3848377.25	9.34E-05	1.01E-04	1.60E-04	3.23E-08	9.76E-08	5.65E-08	6.10E-08	5.53E-08	2.52E-08	4.01E-08	1.08E-09	2.61E-08	5.75E-09	8.28E-09	1.31E-08	2.31E-09	2.64E-09	5.93E-08
3372	489863.09	3848377.25	1.00E-04	1.08E-04	1.71E-04	3.46E-08	1.04E-07	6.05E-08	6.53E-08	5.92E-08	2.70E-08	4.29E-08	1.16E-09	2.79E-08	6.16E-09	8.86E-09	1.41E-08	2.48E-09	2.83E-09	6.35E-08
3373	490363.09	3848377.25	1.01E-04	1.09E-04	1.74E-04	3.51E-08	1.06E-07	6.13E-08	6.62E-08	6.00E-08	2.74E-08	4.36E-08	1.17E-09	2.83E-08	6.24E-09	8.99E-09	1.43E-08	2.51E-09	2.87E-09	6.43E-08
3374	490863.09	3848377.25	1.00E-04	1.08E-04	1.73E-04	3.48E-08	1.05E-07	6.08E-08	6.56E-08	5.95E-08	2.71E-08	4.33E-08	1.16E-09	2.80E-08	6.19E-09	8.91E-09	1.41E-08	2.49E-09	2.85E-09	6.38E-08
3375	491363.09	3848377.25	1.03E-04	1.11E-04	1.77E-04	3.55E-08	1.07E-07	6.20E-08	6.70E-08	6.07E-08	2.77E-08	4.42E-08	1.19E-09	2.86E-08	6.32E-09	9.10E-09	1.44E-08	2.54E-09	2.92E-09	6.51E-08
3376	491863.09	3848377.25	1.06E-04	1.14E-04	1.82E-04	3.66E-08	1.10E-07	6.39E-08	6.90E-08	6.26E-08	2.85E-08	4.56E-08	1.22E-09	2.95E-08	6.51E-09	9.37E-09	1.49E-08	2.62E-09	3.01E-09	6.71E-08
3377	492363.09	3848377.25	1.06E-04	1.15E-04	1.83E-04	3.67E-08	1.11E-07	6.41E-08	6.93E-08	6.28E-08	2.87E-08	4.59E-08	1.23E-09	2.96E-08	6.53E-09	9.41E-09	1.49E-08	2.63E-09	3.03E-09	6.73E-08
3378	492863.09	3848377.25	1.06E-04	1.14E-04	1.83E-04	3.66E-08	1.10E-07	6.39E-08	6.91E-08	6.26E-08	2.86E-08	4.58E-08	1.22E-09	2.95E-08	6.51E-09	9.38E-09	1.49E-08	2.62E-09	3.02E-09	6.71E-08
3379	493363.09	3848377.25	1.09E-04	1.18E-04	1.90E-04	3.79E-08	1.14E-07	6.62E-08	7.16E-08	6.49E-08	2.96E-08	4.75E-08	1.27E-09	3.06E-08	6.74E-09	9.72E-09	1.54E-08	2.72E-09	3.13E-09	6.96E-08
3380	493863.09	3848377.25	1.14E-04	1.23E-04	1.98E-04	3.94E-08	1.19E-07	6.89E-08	7.45E-08	6.76E-08	3.08E-08	4.94E-08	1.32E-09	3.18E-08	7.02E-09	1.01E-08	1.61E-08	2.83E-09	3.26E-09	7.24E-08
3381	494363.09	3848377.25	1.18E-04	1.27E-04	2.04E-04	4.08E-08	1.23E-07	7.13E-08	7.70E-08	6.98E-08	3.19E-08	5.11E-08	1.36E-09	3.29E-08	7.26E-09	1.05E-08	1.66E-08	2.92E-09	3.37E-09	7.48E-08
3382	494863.09	3848377.25	1.25E-04	1.36E-04	2.18E-04	4.34E-08	1.31E-07	7.59E-08	8.21E-08	7.44E-08	3.39E-08	5.44E-08	1.45E-09	3.50E-08	7.73E-09	1.11E-08	1.77E-08	3.12E-09	3.59E-09	7.97E-08
3383	495363.09	3848377.25	1.25E-04	1.35E-04	2.17E-04	4.34E-08	1.31E-07	7.58E-08	8.20E-08	7.43E-08	3.39E-08	5.44E-08	1.45E-09	3.50E-08	7.72E-09	1.11E-08	1.77E-08	3.11E-09	3.59E-09	7.96E-08
3384	495863.09	3848377.25	1.31E-04	1.41E-04	2.27E-04	4.52E-08	1.37E-07	7.91E-08	8.55E-08	7.75E-08	3.53E-08	5.67E-08	1.51E-09	3.65E-08	8.05E-09	1.16E-08	1.84E-08	3.24E-09	3.74E-09	8.30E-08
3385	496363.09	3848377.25	1.44E-04	1.55E-04	2.49E-04	4.98E-08	1.50E-07	8.70E-08	9.40E-08	8.52E-08	3.89E-08	6.23E-08	1.66E-09	4.01E-08	8.86E-09	1.28E-08	2.02E-08	3.57E-09	4.11E-09	9.14E-08
3386	496863.09	3848377.25	1.48E-04	1.60E-04	2.56E-04	5.12E-08	1.55E-07	8.95E-08	9.67E-08	8.76E-08	4.00E-08	6.41E-08	1.71E-09	4.13E-08	9.11E-09	1.31E-08	2.08E-08	3.67E-09	4.23E-09	9.39E-08
3387	497363.09	3848377.25	1.68E-04	1.81E-04	2.91E-04	5.81E-08	1.75E-07	1.02E-07	1.10E-07	9.95E-08	4.54E-08	7.27E-08	1.94E-09	4.69E-08	1.03E-08	1.49E-08	2.36E-08	4.17E-09	4.80E-09	1.07E-07
3388	497863.09	3848377.25	2.20E-04	2.37E-04	3.80E-04	7.61E-08	2.30E-07	1.33E-07	1.44E-07	1.30E-07	5.94E-08	9.50E-08	2.54E-09	6.14E-08	1.35E-08	1.95E-08	3.09E-08	5.45E-09	6.27E-09	1.40E-07
3389	498363.09	3848377.25	2.32E-04	2.51E-04	4.01E-04	8.04E-08	2.43E-07	1.41E-07	1.52E-07	1.38E-07	6.28E-08	1.00E-07	2.68E-09	6.49E-08	1.43E-08	2.06E-08	3.27E-08	5.76E-09	6.62E-09	1.48E-07
3390	471363.09	3848877.25	2.88E-04	3.11E-04	4.92E-04	9.98E-08	3.01E-07	1.74E-07	1.88E-07	1.71E-07	7.79E-08	1.23E-07	3.33E-09	8.05E-08	1.78E-08	2.56E-08	4.05E-08	7.14E-09	8.13E-09	1.83E-07
3391	471863.09	3848877.25	3.09E-04	3.33E-04	5.27E-04	1.07E-07	3.23E-07	1.87E-07	2.01E-07	1.83E-07	8.33E-08	1.32E-07	3.57E-09	8.62E-08	1.90E-08	2.74E-08	4.34E-08	7.65E-09	8.70E-09	1.96E-07
3392	472363.09	3848877.25	3.22E-04	3.48E-04	5.51E-04	1.12E-07	3.37E-07	1.95E-07	2.10E-07	1.91E-07	8.71E-08	1.38E-07	3.73E-09	9.00E-08	1.99E-08	2.86E-08	4.53E-08	7.99E-09	9.10E-09	2.05E-07
3393	472863.09	3848877.25	3.31E-04	3.57E-04	5.66E-04	1.15E-07	3.46E-07	2.00E-07	2.16E-07	1.96E-07	8.95E-08	1.42E-07	3.83E-09	9.25E-08	2.04E-08	2.94E-08	4.66E-08	8.21E-09	9.35E-09	2.10E-07
3394	473363.09	3848877.25	3.40E-04	3.66E-04	5.80E-04	1.18E-07	3.55E-07	2.05E-07	2.22E-07	2.01E-07	9.17E-08	1.45E-07	3.93E-09	9.48E-08	2.09E-08	3.01E-08	4.78E-08	8.42E-09	9.58E-09	2.16E-07
3395	473863.09	3848877.25	3.42E-04	3.69E-04	5.84E-04	1.18E-07	3.58E-07	2.07E-07	2.23E-07	2.02E-07	9.24E-08	1.46E-07	3.95E-09	9.55E-08	2.11E-08	3.03E-08	4.81E-08	8.48E-09	9.63E-09	2.17E-07
3396	474363.09	3848877.25	3.46E-04	3.73E-04	5.89E-04	1.20E-07	3.62E-07	2.09E-07	2.26E-07	2.05E-07	9.34E-08	1.47E-07	4.00E-09	9.67E-08	2.13E-08	3.07E-08	4.87E-08	8.58E-09	9.73E-09	2.20E-07
3397	474863.09	3848877.25	3.27E-04	3.53E-04	5.56E-04	1.13E-07	3.42E-07	1.98E-07	2.13E-07	1.93E-07	8.83E-08	1.39E-07	3.78E-09	9.13E-08	2.02E-08	2.90E-08	4.60E-08	8.10E-09	9.19E-09	2.07E-07
3398	475363.09	3848877.25	3.11E-04	3.36E-04	5.29E-04	1.08E-07	3.25E-07	1.88E-07	2.03E-07	1.84E-07	8.40E-08	1.32E-07	3.60E-09	8.69E-08	1.92E-08	2.76E-08	4.37E-08	7.71E-09	8.74E-09	1.97E-07
3399	475863.09	3848877.25	3.07E-04	3.31E-04	5.21E-04	1.06E-07	3.21E-07	1.86E-07	2.00E-07	1.81E-07	8.28E-08	1.31E-07	3.55E-09	8.57E-08	1.89E-08	2.72E-08	4.31E-08	7.60E-09	8.61E-09	1.95E-07
3400	476363.09	3848877.25	2.77E-04	2.98E-04	4.70E-04	9.57E-08	2.89E-07	1.67E-07	1.80E-07	1.64E-07	7.46E-08	1.18E-07	3.20E-09	7.72E-08	1.70E-08	2.45E-08	3.89E-08	6.85E-09	7.76E-09	1.75E-07
3401	476863.09	3848877.25	2.78E-04	3.00E-04	4.73E-04	9.64E-08	2.91E-07	1.68E-07	1.82E-07	1.65E-07	7.51E-08	1.18E-07	3.22E-09	7.77E-08	1.72E-08	2.47E-08	3.91E-08	6.90E-09	7.81E-09	1.77E-07
3402	477363.09	3848877.25	4.21E-04	4.54E-04	7.16E-04	1.46E-07	4.40E-07	2.54E-07	2.74E-07	2.49E-07	1.14E-07	1.79E-07	4.86E-09	1.17E-07	2.59E-08	3.73E-08	5.91E-08	1.04E-08	1.18E-08	2.67E-07
3403	477863.09	3848877.25	4.76E-04	5.14E-04	8.13E-04	1.65E-07	4.97E-07	2.88E-07	3.11E-07	2.82E-07	1.29E-07	2.04E-07	5.50E-09	1.33E-07	2.93E-08	4.22E-08	6.69E-08	1.18E-08	1.34E-08	3.02E-07
3404	478363.09	3848877.25	4.70E-04	5.07E-04	8.03E-04	1.63E-07	4.91E-07	2.84E-07	3.07E-07	2.78E-07	1.27E-07	2.01E-07	5.43E-09	1.31E-07	2.89E-08	4.16E-08	6.61E-08	1.16E-08	1.33E-08	2.98E-07
3405	478863.09	3848877.25	3.77E-04	4.07E-04	6.43E-04	1.31E-07	3.94E-07	2.28E-07	2.46E-07	2.23E-07	1.02E-07	1.61E-07	4.36E-09	1.05E-07	2.32E-08	3.34E-08	5.30E-08	9.34E-09	1.06E-08	2.39E-07
3406	479363.09	3848877.25	2.84E-04	3.06E-04	4.83E-04	9.82E-08	2.96E-07	1.72E-07	1.85E-07	1.68E-07	7.65E-08	1.21E-07	3.28E-09	7.92E-08	1.75E-08	2.51E-08	3.99E-08	7.02E-09	7.97E-09	1.80E-07
3407	479863.09	3848877.25	2.11E-04	2.28E-04	3.60E-04	7.32E-08	2.21E-07	1.28E-07	1.38E-07	1.25E-07	5.71E-08	9.00E-08	2.44E-09	5.90E-08	1.30E-08	1.87E-08	2.97E-08	5.24E-09	5.94E-09	1.34E-07
3408	480363.09	3848877.25	2.15E-04	2.32E-04	3.65E-04	7.44E-08	2.25E-07	1.30E-07	1.40E-07	1.27E-07	5.80E-08	9.13E-08	2.48E-09	6.00E-08	1.32E-08	1.90E-08	3.02E-08	5.32E-09	6.02E-09	1.36E-07
3409	480863.09	3848877.25	2.12E-04	2.29E-04	3.60E-04	7.35E-08	2.22E-07	1.29E-07	1.39E-07	1.26E-07	5.73E-08	9.01E-08	2.46E-09	5.93E-08	1.31E-08	1.88E-08	2.98E-08	5.26E-09	5.94E-09	1.35E-07
3410	481363.09	3848877.25	1.96E-04	2.11E-04	3.33E-04	6.79E-08	2.05E-07	1.19E-07	1.28E-07	1.16E-07	5.29E-08	8.33E-08	2.27E-09	5.48E-08	1.21E-08	1.74E-08	2.76E-08	4.86E-09	5.50E-09	1.24E-07
3411	481863.09	3848877.25	1.69E-04	1.82E-04	2.86E-04	5.83E-08	1.76E-07	1.02E-07	1.10E-07	9.97E-08	4.55E-08	7.16E-08	1.95E-09	4.71E-08	1.04E-08	1.49E-08	2.37E-08	4.17E-09	4.72E-09	1.07E-07
3412	482363.09	3848877.25	1.44E-04	1.55E-04	2.44E-04	4.97E-08	1.50E-07	8.69E-08	9.36E-08	8.49E-08	3.87E-08	6.10E-08	1.66E-09	4.01E-08	8.84E-09	1.27E-08	2.02E-08	3.55E-09	4.02E-09	9.11E-08
3413	482863.09	3848877.25	1.24E-04	1.34E-04	2.10E-04	4.29E-08	1.30E-07	7.50E-08	8.09E-08	7.33E-08	3.35E-08	5.27E-08	1.43E-09	3.46E-08	7.64E-09	1.10E-08	1.74E-08	3.07E-09	3.47E-09	7.86E-08
3414	483363.09	3848877.25	1.12E-04	1.20E-04	1.90E-04	3.86E-08	1.17E-07	6.75E-08	7.28E-08	6.60E-08	3.01E-08	4.74E-08	1.29E-09	3.11E-08	6.87E-09	9.88E-09	1.57E-08	2.76E-09	3.13E-09	7.07E-08
3415	483863.09	3848877.25	1.09E-04	1.17E-04	1.85E-04	3.76E-08	1.13E-07	6.57E-08	7.08E-08	6.42E-08	2.93E-08	4.62E-08	1.25E-09	3.03E-08	6.69E-09	9.62E-09	1.53E-08	2.69E-09	3.05E-09	6.89E-08

3416	484363.09	3848877.25	1.21E-04	1.30E-04	2.04E-04	4.18E-08	1.26E-07	7.30E-08	7.87E-08	7.13E-08	3.25E-08	5.11E-08	1.39E-09	3.37E-08	7.43E-09	1.07E-08	1.69E-08	2.99E-09	3.37E-09	7.65E-08
3417	484863.09	3848877.25	1.33E-04	1.44E-04	2.26E-04	4.61E-08	1.39E-07	8.06E-08	8.68E-08	7.87E-08	3.59E-08	5.65E-08	1.54E-09	3.72E-08	8.20E-09	1.18E-08	1.87E-08	3.30E-09	3.72E-09	8.44E-08
3418	485363.09	3848877.25	1.27E-04	1.37E-04	2.15E-04	4.40E-08	1.33E-07	7.69E-08	8.29E-08	7.52E-08	3.43E-08	5.38E-08	1.47E-09	3.55E-08	7.83E-09	1.13E-08	1.79E-08	3.15E-09	3.55E-09	8.06E-08
3419	485863.09	3848877.25	1.22E-04	1.32E-04	2.07E-04	4.23E-08	1.28E-07	7.40E-08	7.98E-08	7.23E-08	3.30E-08	5.19E-08	1.41E-09	3.42E-08	7.54E-09	1.08E-08	1.72E-08	3.03E-09	3.42E-09	7.76E-08
3420	486363.09	3848877.25	1.13E-04	1.21E-04	1.91E-04	3.90E-08	1.18E-07	6.82E-08	7.35E-08	6.66E-08	3.04E-08	4.79E-08	1.30E-09	3.15E-08	6.94E-09	9.98E-09	1.58E-08	2.79E-09	3.16E-09	7.15E-08
3421	486863.09	3848877.25	1.04E-04	1.12E-04	1.76E-04	3.59E-08	1.08E-07	6.28E-08	6.77E-08	6.14E-08	2.80E-08	4.41E-08	1.20E-09	2.90E-08	6.39E-09	9.19E-09	1.46E-08	2.57E-09	2.91E-09	6.58E-08
3422	487363.09	3848877.25	1.04E-04	1.13E-04	1.78E-04	3.61E-08	1.09E-07	6.32E-08	6.81E-08	6.18E-08	2.82E-08	4.45E-08	1.21E-09	2.92E-08	6.43E-09	9.25E-09	1.47E-08	2.59E-09	2.94E-09	6.63E-08
3423	487863.09	3848877.25	1.04E-04	1.12E-04	1.77E-04	3.59E-08	1.08E-07	6.27E-08	6.77E-08	6.13E-08	2.80E-08	4.44E-08	1.20E-09	2.89E-08	6.39E-09	9.19E-09	1.46E-08	2.57E-09	2.93E-09	6.58E-08
3424	488363.09	3848877.25	1.06E-04	1.14E-04	1.81E-04	3.66E-08	1.10E-07	6.39E-08	6.90E-08	6.25E-08	2.85E-08	4.52E-08	1.22E-09	2.95E-08	6.51E-09	9.36E-09	1.49E-08	2.62E-09	2.98E-09	6.70E-08
3425	488863.09	3848877.25	1.07E-04	1.16E-04	1.84E-04	3.71E-08	1.12E-07	6.49E-08	7.01E-08	6.35E-08	2.90E-08	4.60E-08	1.24E-09	3.00E-08	6.61E-09	9.51E-09	1.51E-08	2.66E-09	3.04E-09	6.81E-08
3426	489363.09	3848877.25	1.12E-04	1.21E-04	1.92E-04	3.88E-08	1.17E-07	6.79E-08	7.33E-08	6.64E-08	3.03E-08	4.82E-08	1.30E-09	3.13E-08	6.91E-09	9.95E-09	1.58E-08	2.78E-09	3.18E-09	7.12E-08
3427	489863.09	3848877.25	1.18E-04	1.27E-04	2.02E-04	4.08E-08	1.23E-07	7.14E-08	7.71E-08	6.99E-08	3.19E-08	5.07E-08	1.36E-09	3.29E-08	7.27E-09	1.05E-08	1.66E-08	2.93E-09	3.34E-09	7.49E-08
3428	490363.09	3848877.25	1.18E-04	1.27E-04	2.03E-04	4.08E-08	1.23E-07	7.14E-08	7.70E-08	6.98E-08	3.19E-08	5.07E-08	1.36E-09	3.29E-08	7.27E-09	1.05E-08	1.66E-08	2.92E-09	3.35E-09	7.49E-08
3429	490863.09	3848877.25	1.18E-04	1.28E-04	2.04E-04	4.09E-08	1.23E-07	7.15E-08	7.72E-08	7.00E-08	3.19E-08	5.09E-08	1.37E-09	3.30E-08	7.28E-09	1.05E-08	1.66E-08	2.93E-09	3.36E-09	7.50E-08
3430	491363.09	3848877.25	1.22E-04	1.32E-04	2.11E-04	4.23E-08	1.28E-07	7.39E-08	7.99E-08	7.24E-08	3.30E-08	5.28E-08	1.41E-09	3.41E-08	7.53E-09	1.08E-08	1.72E-08	3.03E-09	3.48E-09	7.76E-08
3431	491863.09	3848877.25	1.22E-04	1.32E-04	2.11E-04	4.22E-08	1.28E-07	7.38E-08	7.98E-08	7.23E-08	3.30E-08	5.28E-08	1.41E-09	3.41E-08	7.52E-09	1.08E-08	1.72E-08	3.03E-09	3.48E-09	7.75E-08
3432	492363.09	3848877.25	1.22E-04	1.32E-04	2.11E-04	4.21E-08	1.27E-07	7.36E-08	7.96E-08	7.21E-08	3.29E-08	5.27E-08	1.41E-09	3.40E-08	7.50E-09	1.08E-08	1.71E-08	3.02E-09	3.48E-09	7.73E-08
3433	492863.09	3848877.25	1.20E-04	1.29E-04	2.07E-04	4.14E-08	1.25E-07	7.23E-08	7.82E-08	7.09E-08	3.23E-08	5.19E-08	1.38E-09	3.34E-08	7.37E-09	1.06E-08	1.68E-08	2.97E-09	3.42E-09	7.60E-08
3434	493363.09	3848877.25	1.18E-04	1.28E-04	2.05E-04	4.09E-08	1.23E-07	7.15E-08	7.73E-08	7.01E-08	3.20E-08	5.13E-08	1.37E-09	3.30E-08	7.28E-09	1.05E-08	1.66E-08	2.93E-09	3.39E-09	7.51E-08
3435	493863.09	3848877.25	1.26E-04	1.37E-04	2.19E-04	4.38E-08	1.32E-07	7.65E-08	8.27E-08	7.50E-08	3.42E-08	5.49E-08	1.46E-09	3.53E-08	7.79E-09	1.12E-08	1.78E-08	3.14E-09	3.62E-09	8.04E-08
3436	494363.09	3848877.25	1.33E-04	1.44E-04	2.31E-04	4.60E-08	1.39E-07	8.04E-08	8.69E-08	7.88E-08	3.60E-08	5.77E-08	1.54E-09	3.71E-08	8.19E-09	1.18E-08	1.87E-08	3.30E-09	3.81E-09	8.45E-08
3437	494863.09	3848877.25	1.44E-04	1.55E-04	2.49E-04	4.98E-08	1.50E-07	8.70E-08	9.40E-08	8.52E-08	3.89E-08	6.24E-08	1.66E-09	4.01E-08	8.86E-09	1.28E-08	2.02E-08	3.57E-09	4.12E-09	9.13E-08
3438	495363.09	3848877.25	1.53E-04	1.65E-04	2.64E-04	5.28E-08	1.60E-07	9.23E-08	9.98E-08	9.05E-08	4.13E-08	6.62E-08	1.76E-09	4.26E-08	9.40E-09	1.36E-08	2.15E-08	3.79E-09	4.37E-09	9.70E-08
3439	495863.09	3848877.25	1.50E-04	1.62E-04	2.59E-04	5.18E-08	1.56E-07	9.05E-08	9.79E-08	8.87E-08	4.05E-08	6.49E-08	1.73E-09	4.18E-08	9.22E-09	1.33E-08	2.11E-08	3.72E-09	4.28E-09	9.51E-08
3440	496363.09	3848877.25	1.58E-04	1.71E-04	2.74E-04	5.48E-08	1.66E-07	9.58E-08	1.04E-07	9.39E-08	4.28E-08	6.87E-08	1.83E-09	4.42E-08	9.76E-09	1.41E-08	2.23E-08	3.93E-09	4.53E-09	1.01E-07
3441	496863.09	3848877.25	1.79E-04	1.94E-04	3.10E-04	6.21E-08	1.87E-07	1.09E-07	1.17E-07	1.06E-07	4.85E-08	7.77E-08	2.07E-09	5.01E-08	1.10E-08	1.59E-08	2.53E-08	4.45E-09	5.13E-09	1.14E-07
3442	497363.09	3848877.25	2.24E-04	2.42E-04	3.88E-04	7.77E-08	2.35E-07	1.36E-07	1.47E-07	1.33E-07	6.07E-08	9.71E-08	2.59E-09	6.26E-08	1.38E-08	1.99E-08	3.16E-08	5.57E-09	6.40E-09	1.43E-07
3443	497863.09	3848877.25	2.51E-04	2.71E-04	4.33E-04	8.68E-08	2.62E-07	1.52E-07	1.64E-07	1.49E-07	6.78E-08	1.08E-07	2.90E-09	7.00E-08	1.55E-08	2.23E-08	3.53E-08	6.22E-09	7.15E-09	1.59E-07
3444	498363.09	3848877.25	2.74E-04	2.96E-04	4.73E-04	9.48E-08	2.86E-07	1.66E-07	1.79E-07	1.62E-07	7.40E-08	1.18E-07	3.16E-09	7.64E-08	1.69E-08	2.43E-08	3.85E-08	6.79E-09	7.80E-09	1.74E-07
3445	471363.09	3849377.25	2.71E-04	2.93E-04	4.62E-04	9.39E-08	2.83E-07	1.64E-07	1.77E-07	1.60E-07	7.32E-08	1.16E-07	3.14E-09	7.57E-08	1.67E-08	2.40E-08	3.81E-08	6.72E-09	7.63E-09	1.72E-07
3446	471863.09	3849377.25	3.04E-04	3.28E-04	5.19E-04	1.05E-07	3.18E-07	1.84E-07	1.99E-07	1.80E-07	8.22E-08	1.30E-07	3.52E-09	8.50E-08	1.88E-08	2.70E-08	4.28E-08	7.54E-09	8.57E-09	1.93E-07
3447	472363.09	3849377.25	3.29E-04	3.55E-04	5.61E-04	1.14E-07	3.44E-07	1.99E-07	2.15E-07	1.95E-07	8.88E-08	1.40E-07	3.80E-09	9.18E-08	2.03E-08	2.92E-08	4.62E-08	8.15E-09	9.27E-09	2.09E-07
3448	472863.09	3849377.25	3.50E-04	3.78E-04	5.98E-04	1.21E-07	3.66E-07	2.12E-07	2.29E-07	2.07E-07	9.46E-08	1.50E-07	4.05E-09	9.78E-08	2.16E-08	3.10E-08	4.92E-08	8.68E-09	9.88E-09	2.22E-07
3449	473363.09	3849377.25	3.66E-04	3.95E-04	6.26E-04	1.27E-07	3.83E-07	2.21E-07	2.39E-07	2.17E-07	9.89E-08	1.57E-07	4.23E-09	1.02E-07	2.26E-08	3.24E-08	5.15E-08	9.07E-09	1.03E-08	2.32E-07
3450	473863.09	3849377.25	3.78E-04	4.07E-04	6.46E-04	1.31E-07	3.95E-07	2.28E-07	2.47E-07	2.23E-07	1.02E-07	1.62E-07	4.37E-09	1.05E-07	2.33E-08	3.35E-08	5.31E-08	9.36E-09	1.07E-08	2.40E-07
3451	474363.09	3849377.25	3.85E-04	4.15E-04	6.57E-04	1.33E-07	4.02E-07	2.33E-07	2.51E-07	2.28E-07	1.04E-07	1.64E-07	4.45E-09	1.07E-07	2.37E-08	3.41E-08	5.41E-08	9.53E-09	1.08E-08	2.44E-07
3452	474863.09	3849377.25	3.90E-04	4.21E-04	6.65E-04	1.35E-07	4.08E-07	2.36E-07	2.55E-07	2.31E-07	1.05E-07	1.66E-07	4.51E-09	1.09E-07	2.40E-08	3.46E-08	5.48E-08	9.66E-09	1.10E-08	2.48E-07
3453	475363.09	3849377.25	3.88E-04	4.19E-04	6.60E-04	1.34E-07	4.06E-07	2.35E-07	2.53E-07	2.30E-07	1.05E-07	1.65E-07	4.49E-09	1.08E-07	2.39E-08	3.44E-08	5.46E-08	9.62E-09	1.09E-08	2.46E-07
3454	475863.09	3849377.25	3.89E-04	4.20E-04	6.60E-04	1.35E-07	4.07E-07	2.35E-07	2.54E-07	2.30E-07	1.05E-07	1.65E-07	4.50E-09	1.09E-07	2.40E-08	3.45E-08	5.47E-08	9.64E-09	1.09E-08	2.47E-07
3455	476363.09	3849377.25	3.79E-04	4.08E-04	6.42E-04	1.31E-07	3.96E-07	2.29E-07	2.47E-07	2.24E-07	1.02E-07	1.61E-07	4.38E-09	1.06E-07	2.33E-08	3.36E-08	5.32E-08	9.38E-09	1.06E-08	2.40E-07
3456	476863.09	3849377.25	3.52E-04	3.80E-04	5.97E-04	1.22E-07	3.68E-07	2.13E-07	2.30E-07	2.08E-07	9.50E-08	1.49E-07	4.07E-09	9.84E-08	2.17E-08	3.12E-08	4.95E-08	8.72E-09	9.86E-09	2.23E-07
3457	477363.09	3849377.25	3.62E-04	3.91E-04	6.15E-04	1.25E-07	3.79E-07	2.19E-07	2.36E-07	2.14E-07	9.78E-08	1.54E-07	4.19E-09	1.01E-07	2.23E-08	3.21E-08	5.09E-08	8.97E-09	1.01E-08	2.30E-07
3458	477863.09	3849377.25	4.57E-04	4.93E-04	7.79E-04	1.58E-07	4.78E-07	2.77E-07	2.98E-07	2.70E-07	1.23E-07	1.95E-07	5.29E-09	1.28E-07	2.82E-08	4.05E-08	6.43E-08	1.13E-08	1.29E-08	2.90E-07
3459	478363.09	3849377.25	5.54E-04	5.98E-04	9.47E-04	1.92E-07	5.79E-07	3.35E-07	3.62E-07	3.28E-07	1.50E-07	2.37E-07	6.41E-09	1.55E-07	3.41E-08	4.91E-08	7.79E-08	1.37E-08	1.56E-08	3.52E-07
3460	478863.09	3849377.25	5.00E-04	5.40E-04	8.55E-04	1.73E-07	5.23E-07	3.03E-07	3.27E-07	2.96E-07	1.35E-07	2.14E-07	5.79E-09	1.40E-07	3.08E-08	4.44E-08	7.04E-08	1.24E-08	1.41E-08	3.18E-07
3461	479363.09	3849377.25	4.17E-04	4.50E-04	7.11E-04	1.44E-07	4.36E-07	2.52E-07	2.72E-07	2.47E-07	1.13E-07	1.78E-07	4.82E-09	1.16E-07	2.57E-08	3.70E-08	5.86E-08	1.03E-08	1.17E-08	2.65E-07
3462	479863.09	3849377.25	3.02E-04	3.25E-04	5.13E-04	1.04E-07	3.15E-07	1.82E-07	1.97E-07	1.78E-07	8.14E-08	1.28E-07	3.49E-09	8.42E-08	1.86E-08	2.67E-08	4.24E-08	7.47E-09	8.47E-09	1.91E-07
3463	480363.09	3849377.25	3.23E-04	3.49E-04	5.48E-04	1.12E-07	3.38E-07	1.96E-07	2.11E-07	1.91E-07	8.73E-08	1.37E-07	3.74E-09	9.03E-08	1.99E-08	2.86E-08	4.54E-08	8.01E-09	9.05E-09	2.05E-07
3464	480863.09	3849377.25	2.88E-04	3.10E-04	4.87E-04	9.97E-08	3.01E-07	1.74E-07	1.88E-07	1.70E-07	7.77E-08	1.22E-07	3.33E-09	8.04E-08	1.77E-08	2.55E-08	4.04E-08	7.13E-09	8.04E-09	1.83E-07
3465	481363.09	3849377.25	2.30E-04	2.48E-04	3.90E-04	7.96E-08	2.40E-07	1.39E-07	1.50E-07	1.36E-07	6.20E-08	9.76E-08	2.66E-09	6.42E-08	1.42E-08	2.04E-08	3.23E-08	5.69E-09	6.44E-09	1.46E-07
3466	481863.09	3849377.25	1.66E-04	1.79E-04	2.82E-04	5.75E-08	1.74E-07	1.00E-07	1.08E-07	9.82E-08	4.48E-08	7.06E-08	1.92E-09	4.64E-08	1.02E-08	1.47E-08	2.33E-08	4.11E-09	4.66E-09	1.05E-07
3467	482363.09	3849377.25	1.50E-04	1.61E-04	2.54E-04	5.18E-08	1.56E-07	9.05E-08	9.76E-08	8.85E-08	4.04E-08	6.37E-08	1.73E-09	4.18E-08	9.22E-09	1.33E-08	2.10E-08	3.70E-09	4.20E-09	9.49E-08
3468	482863.09	3849377.25	1.27E-04	1.37E-04	2.16E-04	4.40E-08	1.33E-07	7.69E-08	8.30E-08	7.52E-08	3.43E-08	5.41E-08	1.47E-09	3.55E-08	7.84E-09	1.13E-08	1.79E-08	3.15E-09	3.57E-09	8.07E-08
3469	483363.09	3849377.25	1.18E-04	1.27E-04	2.01E-04	4.08E-08	1.23E-07	7.13E-08	7.69E-08	6.97E-08	3.18E-08	5.02E-08	1.36E-09	3.29E-08	7.26E-09	1.04E-08	1.66E-08	2.92E-09	3.31E-09	7.47E-08
3470	483863.09	3849377.25	1.03E-04	1.11E-04	1.76E-04	3.58E-08	1.08E-07	6.25E-08	6.74E-08	6.11E-08	2.79E-08	4.40E-08	1.19E-09	2.88E-08	6.36E-09	9.15E-09	1.45E-08	2.56E-09	2.90E-09	6.55E-08
3471	484363.09	3849377.25	1.33E-04	1.43E-04	2.25E-04	4.60E-08	1.39E-07	8.05E-08	8.68E-08	7.86E-08	3.59E-08	5.64E-08	1.54E-09	3.71E-08	8.20E-09	1.18E-08	1.87E-08	3.29E-09	3.72E-09	8.44E-08
3472	484863.09	3849377.25	1.56E-04	1.68E-04	2.64E-04	5.39E-08	1.63E-07	9.42E-08	1.02E-07	9.21E-08	4.20E-08	6.60E-08	1.80E-09	4.35E-08	9.60E-09	1.38E-08	2.19E-08	3.86E-09	4.35E-09	9.88E-08
3473	485363.09	3849377.25	1.51E-04	1.62E-04	2.55E-04	5.21E-08	1.57E-07	9.11E-08	9.82E-08	8.90E-08	4.06E-08	6.37E-08	1.74E-09	4.20E-08	9.28E-09	1.33E-08	2.11E-08	3.73E-09	4.20E-09	9.55E-08
3474	485863.09	3849377.25	1.20E-04	1.30E-04	2.04E-04	4.16E-08	1.26E-07	7.27E-08	7.84E-08	7.11E-08	3.24E-08	5.10E-08	1.39E-09	3.36E-08	7.40E-09	1.06E-08	1.69E-08	2.98E-09	3.37E-09	7.62E-08

3475	486363.09	3849377.25	1.05E-04	1.13E-04	1.78E-04	3.62E-08	1.09E-07	6.33E-08	6.82E-08	6.19E-08	2.82E-08	4.46E-08	1.21E-09	2.92E-08	6.44E-09	9.26E-09	1.47E-08	2.59E-09	2.94E-09	6.63E-08
3476	486863.09	3849377.25	1.20E-04	1.29E-04	2.04E-04	4.14E-08	1.25E-07	7.24E-08	7.81E-08	7.08E-08	3.23E-08	5.10E-08	1.38E-09	3.34E-08	7.37E-09	1.06E-08	1.68E-08	2.96E-09	3.36E-09	7.59E-08
3477	487363.09	3849377.25	1.25E-04	1.35E-04	2.14E-04	4.34E-08	1.31E-07	7.58E-08	8.18E-08	7.41E-08	3.38E-08	5.35E-08	1.45E-09	3.50E-08	7.72E-09	1.11E-08	1.76E-08	3.10E-09	3.53E-09	7.95E-08
3478	487863.09	3849377.25	1.25E-04	1.35E-04	2.14E-04	4.33E-08	1.31E-07	7.56E-08	8.16E-08	7.39E-08	3.37E-08	5.34E-08	1.44E-09	3.49E-08	7.70E-09	1.11E-08	1.76E-08	3.10E-09	3.53E-09	7.93E-08
3479	488363.09	3849377.25	1.27E-04	1.37E-04	2.17E-04	4.40E-08	1.33E-07	7.69E-08	8.30E-08	7.52E-08	3.43E-08	5.44E-08	1.47E-09	3.55E-08	7.83E-09	1.13E-08	1.79E-08	3.15E-09	3.59E-09	8.06E-08
3480	488863.09	3849377.25	1.32E-04	1.42E-04	2.26E-04	4.57E-08	1.38E-07	7.99E-08	8.62E-08	7.81E-08	3.56E-08	5.65E-08	1.53E-09	3.69E-08	8.13E-09	1.17E-08	1.86E-08	3.27E-09	3.73E-09	8.38E-08
3481	489363.09	3849377.25	1.37E-04	1.48E-04	2.35E-04	4.74E-08	1.43E-07	8.29E-08	8.95E-08	8.11E-08	3.70E-08	5.87E-08	1.58E-09	3.83E-08	8.44E-09	1.21E-08	1.93E-08	3.40E-09	3.87E-09	8.70E-08
3482	489863.09	3849377.25	1.41E-04	1.52E-04	2.42E-04	4.88E-08	1.47E-07	8.53E-08	9.21E-08	8.35E-08	3.81E-08	6.06E-08	1.63E-09	3.94E-08	8.69E-09	1.25E-08	1.98E-08	3.50E-09	4.00E-09	8.96E-08
3483	490363.09	3849377.25	1.41E-04	1.53E-04	2.43E-04	4.89E-08	1.48E-07	8.55E-08	9.23E-08	8.37E-08	3.82E-08	6.08E-08	1.63E-09	3.94E-08	8.70E-09	1.25E-08	1.99E-08	3.50E-09	4.01E-09	8.97E-08
3484	490863.09	3849377.25	1.44E-04	1.55E-04	2.48E-04	4.97E-08	1.50E-07	8.69E-08	9.38E-08	8.51E-08	3.88E-08	6.20E-08	1.66E-09	4.01E-08	8.85E-09	1.27E-08	2.02E-08	3.56E-09	4.09E-09	9.12E-08
3485	491363.09	3849377.25	1.49E-04	1.61E-04	2.57E-04	5.15E-08	1.55E-07	9.00E-08	9.72E-08	8.81E-08	4.02E-08	6.43E-08	1.72E-09	4.15E-08	9.16E-09	1.32E-08	2.09E-08	3.69E-09	4.24E-09	9.45E-08
3486	491863.09	3849377.25	1.49E-04	1.61E-04	2.57E-04	5.15E-08	1.55E-07	9.00E-08	9.72E-08	8.81E-08	4.02E-08	6.44E-08	1.72E-09	4.15E-08	9.16E-09	1.32E-08	2.09E-08	3.69E-09	4.25E-09	9.45E-08
3487	492363.09	3849377.25	1.49E-04	1.61E-04	2.58E-04	5.16E-08	1.56E-07	9.02E-08	9.75E-08	8.84E-08	4.03E-08	6.46E-08	1.72E-09	4.16E-08	9.19E-09	1.32E-08	2.10E-08	3.70E-09	4.26E-09	9.48E-08
3488	492863.09	3849377.25	1.42E-04	1.54E-04	2.47E-04	4.93E-08	1.49E-07	8.62E-08	9.32E-08	8.45E-08	3.85E-08	6.19E-08	1.65E-09	3.98E-08	8.78E-09	1.27E-08	2.01E-08	3.54E-09	4.08E-09	9.05E-08
3489	493363.09	3849377.25	1.45E-04	1.57E-04	2.52E-04	5.03E-08	1.52E-07	8.80E-08	9.51E-08	8.62E-08	3.93E-08	6.31E-08	1.68E-09	4.06E-08	8.96E-09	1.29E-08	2.05E-08	3.61E-09	4.16E-09	9.24E-08
3490	493863.09	3849377.25	1.51E-04	1.64E-04	2.63E-04	5.24E-08	1.58E-07	9.16E-08	9.91E-08	8.98E-08	4.10E-08	6.58E-08	1.75E-09	4.23E-08	9.33E-09	1.35E-08	2.13E-08	3.76E-09	4.34E-09	9.63E-08
3491	494363.09	3849377.25	1.63E-04	1.76E-04	2.83E-04	5.64E-08	1.70E-07	9.86E-08	1.07E-07	9.66E-08	4.41E-08	7.08E-08	1.88E-09	4.55E-08	1.00E-08	1.45E-08	2.30E-08	4.05E-09	4.67E-09	1.04E-07
3492	494863.09	3849377.25	1.89E-04	2.04E-04	3.27E-04	6.53E-08	1.97E-07	1.14E-07	1.23E-07	1.12E-07	5.10E-08	8.18E-08	2.18E-09	5.27E-08	1.16E-08	1.67E-08	2.66E-08	4.68E-09	5.39E-09	1.20E-07
3493	495363.09	3849377.25	2.04E-04	2.20E-04	3.53E-04	7.06E-08	2.13E-07	1.23E-07	1.33E-07	1.21E-07	5.51E-08	8.83E-08	2.36E-09	5.69E-08	1.26E-08	1.81E-08	2.87E-08	5.06E-09	5.82E-09	1.30E-07
3494	495863.09	3849377.25	1.77E-04	1.91E-04	3.07E-04	6.12E-08	1.85E-07	1.07E-07	1.16E-07	1.05E-07	4.79E-08	7.67E-08	2.05E-09	4.94E-08	1.09E-08	1.57E-08	2.49E-08	4.39E-09	5.06E-09	1.12E-07
3495	496363.09	3849377.25	1.79E-04	1.94E-04	3.11E-04	6.21E-08	1.87E-07	1.08E-07	1.17E-07	1.06E-07	4.85E-08	7.78E-08	2.07E-09	5.01E-08	1.10E-08	1.59E-08	2.53E-08	4.45E-09	5.13E-09	1.14E-07
3496	496863.09	3849377.25	2.34E-04	2.52E-04	4.04E-04	8.08E-08	2.44E-07	1.41E-07	1.53E-07	1.38E-07	6.31E-08	1.01E-07	2.70E-09	6.52E-08	1.44E-08	2.07E-08	3.29E-08	5.80E-09	6.66E-09	1.48E-07
3497	497363.09	3849377.25	2.59E-04	2.80E-04	4.48E-04	8.97E-08	2.71E-07	1.57E-07	1.69E-07	1.54E-07	7.01E-08	1.12E-07	2.99E-09	7.23E-08	1.60E-08	2.30E-08	3.65E-08	6.43E-09	7.39E-09	1.65E-07
3498	497863.09	3849377.25	3.29E-04	3.56E-04	5.68E-04	1.14E-07	3.44E-07	1.99E-07	2.15E-07	1.95E-07	8.90E-08	1.42E-07	3.81E-09	9.19E-08	2.03E-08	2.92E-08	4.63E-08	8.17E-09	9.38E-09	2.09E-07
3499	498363.09	3849377.25	3.27E-04	3.53E-04	5.65E-04	1.13E-07	3.42E-07	1.98E-07	2.14E-07	1.94E-07	8.84E-08	1.41E-07	3.78E-09	9.13E-08	2.02E-08	2.90E-08	4.60E-08	8.12E-09	9.32E-09	2.08E-07
3500	471363.09	3849877.25	2.30E-04	2.48E-04	3.93E-04	7.96E-08	2.40E-07	1.39E-07	1.50E-07	1.36E-07	6.21E-08	9.84E-08	2.66E-09	6.42E-08	1.42E-08	2.04E-08	3.23E-08	5.70E-09	6.49E-09	1.46E-07
3501	471863.09	3849877.25	2.74E-04	2.96E-04	4.68E-04	9.48E-08	2.86E-07	1.66E-07	1.79E-07	1.62E-07	7.40E-08	1.17E-07	3.17E-09	7.65E-08	1.69E-08	2.43E-08	3.85E-08	6.79E-09	7.72E-09	1.74E-07
3502	472363.09	3849877.25	3.17E-04	3.41E-04	5.39E-04	1.10E-07	3.31E-07	1.92E-07	2.07E-07	1.87E-07	8.54E-08	1.35E-07	3.66E-09	8.84E-08	1.95E-08	2.80E-08	4.45E-08	7.84E-09	8.90E-09	2.01E-07
3503	472863.09	3849877.25	3.50E-04	3.77E-04	5.96E-04	1.21E-07	3.66E-07	2.12E-07	2.28E-07	2.07E-07	9.44E-08	1.49E-07	4.04E-09	9.77E-08	2.16E-08	3.10E-08	4.92E-08	8.66E-09	9.84E-09	2.22E-07
3504	473363.09	3849877.25	3.75E-04	4.04E-04	6.39E-04	1.30E-07	3.92E-07	2.27E-07	2.45E-07	2.22E-07	1.01E-07	1.60E-07	4.33E-09	1.05E-07	2.31E-08	3.32E-08	5.27E-08	9.28E-09	1.06E-08	2.38E-07
3505	473863.09	3849877.25	4.00E-04	4.32E-04	6.84E-04	1.39E-07	4.19E-07	2.42E-07	2.61E-07	2.37E-07	1.08E-07	1.71E-07	4.63E-09	1.12E-07	2.47E-08	3.55E-08	5.63E-08	9.92E-09	1.13E-08	2.54E-07
3506	474363.09	3849877.25	4.21E-04	4.54E-04	7.20E-04	1.46E-07	4.40E-07	2.55E-07	2.75E-07	2.49E-07	1.14E-07	1.80E-07	4.87E-09	1.18E-07	2.59E-08	3.73E-08	5.92E-08	1.04E-08	1.19E-08	2.67E-07
3507	474863.09	3849877.25	4.34E-04	4.68E-04	7.42E-04	1.50E-07	4.54E-07	2.63E-07	2.83E-07	2.57E-07	1.17E-07	1.86E-07	5.02E-09	1.21E-07	2.68E-08	3.85E-08	6.10E-08	1.08E-08	1.22E-08	2.76E-07
3508	475363.09	3849877.25	4.39E-04	4.73E-04	7.49E-04	1.52E-07	4.58E-07	2.65E-07	2.86E-07	2.60E-07	1.18E-07	1.87E-07	5.07E-09	1.22E-07	2.70E-08	3.89E-08	6.17E-08	1.09E-08	1.24E-08	2.78E-07
3509	475863.09	3849877.25	4.43E-04	4.78E-04	7.55E-04	1.54E-07	4.64E-07	2.68E-07	2.89E-07	2.62E-07	1.20E-07	1.89E-07	5.13E-09	1.24E-07	2.73E-08	3.93E-08	6.23E-08	1.10E-08	1.25E-08	2.81E-07
3510	476363.09	3849877.25	4.45E-04	4.80E-04	7.55E-04	1.54E-07	4.65E-07	2.69E-07	2.90E-07	2.63E-07	1.20E-07	1.89E-07	5.14E-09	1.24E-07	2.74E-08	3.94E-08	6.25E-08	1.10E-08	1.25E-08	2.82E-07
3511	476863.09	3849877.25	4.42E-04	4.77E-04	7.49E-04	1.53E-07	4.62E-07	2.68E-07	2.89E-07	2.62E-07	1.19E-07	1.87E-07	5.11E-09	1.24E-07	2.73E-08	3.92E-08	6.21E-08	1.10E-08	1.24E-08	2.81E-07
3512	477363.09	3849877.25	4.28E-04	4.61E-04	7.22E-04	1.48E-07	4.47E-07	2.59E-07	2.79E-07	2.53E-07	1.15E-07	1.81E-07	4.94E-09	1.19E-07	2.63E-08	3.79E-08	6.00E-08	1.06E-08	1.19E-08	2.71E-07
3513	477863.09	3849877.25	4.38E-04	4.72E-04	7.41E-04	1.52E-07	4.58E-07	2.65E-07	2.86E-07	2.59E-07	1.18E-07	1.85E-07	5.06E-09	1.22E-07	2.70E-08	3.88E-08	6.15E-08	1.08E-08	1.22E-08	2.78E-07
3514	478363.09	3849877.25	5.45E-04	5.88E-04	9.28E-04	1.89E-07	5.70E-07	3.30E-07	3.56E-07	3.22E-07	1.47E-07	2.32E-07	6.30E-09	1.52E-07	3.36E-08	4.83E-08	7.66E-08	1.35E-08	1.53E-08	3.46E-07
3515	478863.09	3849877.25	6.68E-04	7.21E-04	1.14E-03	2.31E-07	6.98E-07	4.04E-07	4.36E-07	3.95E-07	1.80E-07	2.86E-07	7.72E-09	1.87E-07	4.12E-08	5.92E-08	9.39E-08	1.66E-08	1.88E-08	4.24E-07
3516	479363.09	3849877.25	6.04E-04	6.51E-04	1.03E-03	2.09E-07	6.31E-07	3.65E-07	3.94E-07	3.57E-07	1.63E-07	2.58E-07	6.98E-09	1.69E-07	3.72E-08	5.35E-08	8.49E-08	1.50E-08	1.70E-08	3.83E-07
3517	479863.09	3849877.25	5.37E-04	5.79E-04	9.14E-04	1.86E-07	5.61E-07	3.25E-07	3.50E-07	3.17E-07	1.45E-07	2.29E-07	6.20E-09	1.50E-07	3.31E-08	4.75E-08	7.54E-08	1.33E-08	1.51E-08	3.40E-07
3518	480363.09	3849877.25	4.08E-04	4.40E-04	6.93E-04	1.41E-07	4.26E-07	2.47E-07	2.66E-07	2.41E-07	1.10E-07	1.74E-07	4.72E-09	1.14E-07	2.51E-08	3.61E-08	5.73E-08	1.01E-08	1.14E-08	2.59E-07
3519	480863.09	3849877.25	3.29E-04	3.54E-04	5.57E-04	1.14E-07	3.44E-07	1.99E-07	2.14E-07	1.94E-07	8.87E-08	1.40E-07	3.80E-09	9.18E-08	2.03E-08	2.91E-08	4.62E-08	8.14E-09	9.20E-09	2.09E-07
3520	481363.09	3849877.25	2.79E-04	3.01E-04	4.72E-04	9.66E-08	2.92E-07	1.69E-07	1.82E-07	1.65E-07	7.52E-08	1.18E-07	3.22E-09	7.79E-08	1.72E-08	2.47E-08	3.92E-08	6.91E-09	7.80E-09	1.77E-07
3521	481863.09	3849877.25	1.82E-04	1.96E-04	3.09E-04	6.29E-08	1.90E-07	1.10E-07	1.19E-07	1.08E-07	4.91E-08	7.74E-08	2.10E-09	5.08E-08	1.12E-08	1.61E-08	2.56E-08	4.50E-09	5.11E-09	1.15E-07
3522	482363.09	3849877.25	1.55E-04	1.67E-04	2.64E-04	5.37E-08	1.62E-07	9.39E-08	1.01E-07	9.18E-08	4.19E-08	6.61E-08	1.79E-09	4.33E-08	9.56E-09	1.37E-08	2.18E-08	3.84E-09	4.36E-09	9.85E-08
3523	482863.09	3849877.25	1.38E-04	1.49E-04	2.34E-04	4.77E-08	1.44E-07	8.33E-08	8.99E-08	8.15E-08	3.72E-08	5.87E-08	1.59E-09	3.85E-08	8.49E-09	1.22E-08	1.94E-08	3.41E-09	3.87E-09	8.74E-08
3524	483363.09	3849877.25	1.23E-04	1.33E-04	2.09E-04	4.25E-08	1.28E-07	7.44E-08	8.02E-08	7.27E-08	3.32E-08	5.24E-08	1.42E-09	3.43E-08	7.57E-09	1.09E-08	1.73E-08	3.04E-09	3.46E-09	7.80E-08
3525	483863.09	3849877.25	1.20E-04	1.30E-04	2.05E-04	4.16E-08	1.26E-07	7.28E-08	7.85E-08	7.11E-08	3.25E-08	5.12E-08	1.39E-09	3.36E-08	7.41E-09	1.07E-08	1.69E-08	2.98E-09	3.38E-09	7.63E-08
3526	484363.09	3849877.25	1.49E-04	1.60E-04	2.52E-04	5.15E-08	1.56E-07	9.00E-08	9.71E-08	8.80E-08	4.01E-08	6.32E-08	1.72E-09	4.15E-08	9.17E-09	1.32E-08	2.09E-08	3.68E-09	4.17E-09	9.44E-08
3527	484863.09	3849877.25	1.89E-04	2.04E-04	3.20E-04	6.55E-08	1.98E-07	1.15E-07	1.23E-07	1.12E-07	5.11E-08	8.02E-08	2.19E-09	5.29E-08	1.17E-08	1.68E-08	2.66E-08	4.69E-09	5.29E-09	1.20E-07
3528	485363.09	3849877.25	1.73E-04	1.86E-04	2.92E-04	5.98E-08	1.81E-07	1.05E-07	1.13E-07	1.02E-07	4.66E-08	7.31E-08	2.00E-09	4.82E-08	1.06E-08	1.53E-08	2.43E-08	4.28E-09	4.82E-09	1.10E-07
3529	485863.09	3849877.25	1.48E-04	1.59E-04	2.50E-04	5.11E-08	1.54E-07	8.94E-08	9.63E-08	8.73E-08	3.98E-08	6.27E-08	1.71E-09	4.12E-08	9.10E-09	1.31E-08	2.07E-08	3.66E-09	4.13E-09	9.37E-08
3530	486363.09	3849877.25	1.39E-04	1.50E-04	2.37E-04	4.83E-08	1.46E-07	8.43E-08	9.10E-08	8.25E-08	3.76E-08	5.94E-08	1.61E-09	3.89E-08	8.59E-09	1.23E-08	1.96E-08	3.45E-09	3.92E-09	8.84E-08
3531	486863.09	3849877.25	1.52E-04	1.64E-04	2.59E-04	5.26E-08	1.59E-07	9.19E-08	9.91E-08	8.99E-08	4.10E-08	6.48E-08	1.76E-09	4.24E-08	9.36E-09	1.35E-08	2.14E-08	3.76E-09	4.27E-09	9.64E-08
3532	487363.09	3849877.25	1.54E-04	1.66E-04	2.62E-04	5.32E-08	1.61E-07	9.30E-08	1.00E-07	9.10E-08	4.15E-08	6.56E-08	1.78E-09	4.29E-08	9.47E-09	1.36E-08	2.16E-08	3.81E-09	4.33E-09	9.76E-08
3533	487863.09	3849877.25	1.55E-04	1.67E-04	2.65E-04	5.37E-08	1.62E-07	9.39E-08	1.01E-07	9.18E-08	4.19E-08	6.63E-08	1.79E-09	4.33E-08	9.56E-09	1.37E-08	2.18E-08	3.84E-09	4.38E-09	9.84E-08

3534	488363.09	3849877.25	1.59E-04	1.72E-04	2.72E-04	5.52E-08	1.67E-07	9.64E-08	1.04E-07	9.43E-08	4.30E-08	6.81E-08	1.84E-09	4.45E-08	9.82E-09	1.41E-08	2.24E-08	3.95E-09	4.49E-09	1.01E-07
3535	488863.09	3849877.25	1.66E-04	1.79E-04	2.84E-04	5.75E-08	1.74E-07	1.00E-07	1.08E-07	9.83E-08	4.49E-08	7.11E-08	1.92E-09	4.64E-08	1.02E-08	1.47E-08	2.34E-08	4.12E-09	4.69E-09	1.05E-07
3536	489363.09	3849877.25	1.71E-04	1.85E-04	2.93E-04	5.93E-08	1.79E-07	1.04E-07	1.12E-07	1.01E-07	4.63E-08	7.35E-08	1.98E-09	4.78E-08	1.05E-08	1.52E-08	2.41E-08	4.24E-09	4.85E-09	1.09E-07
3537	489863.09	3849877.25	1.74E-04	1.88E-04	3.00E-04	6.04E-08	1.82E-07	1.06E-07	1.14E-07	1.03E-07	4.72E-08	7.51E-08	2.02E-09	4.87E-08	1.07E-08	1.55E-08	2.46E-08	4.33E-09	4.95E-09	1.11E-07
3538	490363.09	3849877.25	1.77E-04	1.91E-04	3.05E-04	6.12E-08	1.85E-07	1.07E-07	1.16E-07	1.05E-07	4.78E-08	7.63E-08	2.04E-09	4.94E-08	1.09E-08	1.57E-08	2.49E-08	4.39E-09	5.03E-09	1.12E-07
3539	490863.09	3849877.25	1.83E-04	1.98E-04	3.16E-04	6.34E-08	1.91E-07	1.11E-07	1.20E-07	1.08E-07	4.95E-08	7.91E-08	2.12E-09	5.11E-08	1.13E-08	1.62E-08	2.58E-08	4.54E-09	5.22E-09	1.16E-07
3540	491363.09	3849877.25	1.89E-04	2.04E-04	3.27E-04	6.55E-08	1.98E-07	1.14E-07	1.24E-07	1.12E-07	5.11E-08	8.17E-08	2.19E-09	5.28E-08	1.17E-08	1.68E-08	2.66E-08	4.69E-09	5.39E-09	1.20E-07
3541	491863.09	3849877.25	1.90E-04	2.05E-04	3.29E-04	6.58E-08	1.99E-07	1.15E-07	1.24E-07	1.13E-07	5.14E-08	8.23E-08	2.20E-09	5.31E-08	1.17E-08	1.69E-08	2.68E-08	4.72E-09	5.43E-09	1.21E-07
3542	492363.09	3849877.25	1.92E-04	2.08E-04	3.32E-04	6.65E-08	2.01E-07	1.16E-07	1.26E-07	1.14E-07	5.19E-08	8.32E-08	2.22E-09	5.36E-08	1.18E-08	1.70E-08	2.70E-08	4.77E-09	5.49E-09	1.22E-07
3543	492863.09	3849877.25	1.88E-04	2.03E-04	3.26E-04	6.50E-08	1.96E-07	1.14E-07	1.23E-07	1.11E-07	5.08E-08	8.15E-08	2.17E-09	5.25E-08	1.16E-08	1.67E-08	2.65E-08	4.66E-09	5.38E-09	1.19E-07
3544	493363.09	3849877.25	1.84E-04	1.99E-04	3.19E-04	6.37E-08	1.92E-07	1.11E-07	1.20E-07	1.09E-07	4.98E-08	7.98E-08	2.13E-09	5.14E-08	1.13E-08	1.63E-08	2.59E-08	4.57E-09	5.27E-09	1.17E-07
3545	493863.09	3849877.25	1.85E-04	2.00E-04	3.21E-04	6.41E-08	1.94E-07	1.12E-07	1.21E-07	1.10E-07	5.01E-08	8.04E-08	2.14E-09	5.17E-08	1.14E-08	1.64E-08	2.61E-08	4.60E-09	5.30E-09	1.18E-07
3546	494363.09	3849877.25	2.24E-04	2.42E-04	3.87E-04	7.74E-08	2.34E-07	1.35E-07	1.46E-07	1.33E-07	6.05E-08	9.69E-08	2.58E-09	6.24E-08	1.38E-08	1.99E-08	3.15E-08	5.55E-09	6.39E-09	1.42E-07
3547	494863.09	3849877.25	2.56E-04	2.76E-04	4.43E-04	8.86E-08	2.67E-07	1.55E-07	1.67E-07	1.52E-07	6.92E-08	1.11E-07	2.96E-09	7.14E-08	1.58E-08	2.27E-08	3.60E-08	6.35E-09	7.31E-09	1.63E-07
3548	495363.09	3849877.25	2.37E-04	2.56E-04	4.10E-04	8.21E-08	2.48E-07	1.43E-07	1.55E-07	1.41E-07	6.41E-08	1.03E-07	2.74E-09	6.62E-08	1.46E-08	2.11E-08	3.34E-08	5.89E-09	6.77E-09	1.51E-07
3549	495863.09	3849877.25	2.74E-04	2.97E-04	4.74E-04	9.50E-08	2.87E-07	1.66E-07	1.79E-07	1.63E-07	7.42E-08	1.19E-07	3.17E-09	7.66E-08	1.69E-08	2.44E-08	3.86E-08	6.81E-09	7.83E-09	1.74E-07
3550	496363.09	3849877.25	2.94E-04	3.17E-04	5.07E-04	1.02E-07	3.07E-07	1.78E-07	1.92E-07	1.74E-07	7.94E-08	1.27E-07	3.40E-09	8.20E-08	1.81E-08	2.61E-08	4.14E-08	7.29E-09	8.38E-09	1.87E-07
3551	496863.09	3849877.25	3.10E-04	3.35E-04	5.35E-04	1.07E-07	3.24E-07	1.87E-07	2.03E-07	1.84E-07	8.38E-08	1.34E-07	3.58E-09	8.65E-08	1.91E-08	2.75E-08	4.36E-08	7.69E-09	8.84E-09	1.97E-07
3552	497363.09	3849877.25	3.67E-04	3.97E-04	6.34E-04	1.27E-07	3.84E-07	2.22E-07	2.40E-07	2.18E-07	9.93E-08	1.59E-07	4.24E-09	1.03E-07	2.26E-08	3.26E-08	5.17E-08	9.11E-09	1.05E-08	2.33E-07
3553	497863.09	3849877.25	3.94E-04	4.26E-04	6.80E-04	1.36E-07	4.12E-07	2.39E-07	2.58E-07	2.34E-07	1.07E-07	1.70E-07	4.56E-09	1.10E-07	2.43E-08	3.50E-08	5.55E-08	9.78E-09	1.12E-08	2.50E-07
3554	498363.09	3849877.25	3.90E-04	4.21E-04	6.73E-04	1.35E-07	4.08E-07	2.36E-07	2.55E-07	2.31E-07	1.05E-07	1.68E-07	4.51E-09	1.09E-07	2.40E-08	3.46E-08	5.49E-08	9.67E-09	1.11E-08	2.48E-07
3555	471363.09	3850377.25	1.88E-04	2.03E-04	3.22E-04	6.49E-08	1.96E-07	1.14E-07	1.23E-07	1.11E-07	5.07E-08	8.06E-08	2.17E-09	5.24E-08	1.16E-08	1.66E-08	2.64E-08	4.65E-09	5.32E-09	1.19E-07
3556	471863.09	3850377.25	2.44E-04	2.63E-04	4.18E-04	8.44E-08	2.55E-07	1.47E-07	1.59E-07	1.44E-07	6.58E-08	1.05E-07	2.82E-09	6.80E-08	1.50E-08	2.16E-08	3.43E-08	6.04E-09	6.89E-09	1.55E-07
3557	472363.09	3850377.25	2.73E-04	2.95E-04	4.67E-04	9.45E-08	2.85E-07	1.65E-07	1.78E-07	1.62E-07	7.37E-08	1.17E-07	3.16E-09	7.62E-08	1.68E-08	2.42E-08	3.84E-08	6.77E-09	7.71E-09	1.73E-07
3558	472863.09	3850377.25	3.29E-04	3.54E-04	5.60E-04	1.14E-07	3.43E-07	1.99E-07	2.14E-07	1.94E-07	8.87E-08	1.40E-07	3.80E-09	9.17E-08	2.02E-08	2.91E-08	4.62E-08	8.14E-09	9.25E-09	2.08E-07
3559	473363.09	3850377.25	3.59E-04	3.87E-04	6.12E-04	1.24E-07	3.75E-07	2.17E-07	2.34E-07	2.13E-07	9.70E-08	1.53E-07	4.15E-09	1.00E-07	2.21E-08	3.18E-08	5.05E-08	8.90E-09	1.01E-08	2.28E-07
3560	473863.09	3850377.25	3.98E-04	4.29E-04	6.78E-04	1.38E-07	4.15E-07	2.41E-07	2.59E-07	2.35E-07	1.07E-07	1.70E-07	4.59E-09	1.11E-07	2.45E-08	3.52E-08	5.59E-08	9.85E-09	1.12E-08	2.52E-07
3561	474363.09	3850377.25	4.33E-04	4.67E-04	7.38E-04	1.50E-07	4.52E-07	2.62E-07	2.83E-07	2.56E-07	1.17E-07	1.85E-07	5.00E-09	1.21E-07	2.67E-08	3.84E-08	6.08E-08	1.07E-08	1.22E-08	2.75E-07
3562	474863.09	3850377.25	4.64E-04	5.01E-04	7.92E-04	1.61E-07	4.85E-07	2.81E-07	3.03E-07	2.75E-07	1.25E-07	1.98E-07	5.36E-09	1.30E-07	2.86E-08	4.11E-08	6.52E-08	1.15E-08	1.31E-08	2.94E-07
3563	475363.09	3850377.25	4.90E-04	5.28E-04	8.37E-04	1.70E-07	5.12E-07	2.96E-07	3.20E-07	2.90E-07	1.32E-07	2.09E-07	5.66E-09	1.37E-07	3.02E-08	4.34E-08	6.89E-08	1.21E-08	1.38E-08	3.11E-07
3564	475863.09	3850377.25	5.03E-04	5.43E-04	8.60E-04	1.74E-07	5.26E-07	3.05E-07	3.29E-07	2.98E-07	1.36E-07	2.15E-07	5.82E-09	1.41E-07	3.10E-08	4.46E-08	7.08E-08	1.25E-08	1.42E-08	3.19E-07
3565	476363.09	3850377.25	5.09E-04	5.50E-04	8.68E-04	1.76E-07	5.33E-07	3.08E-07	3.33E-07	3.01E-07	1.38E-07	2.17E-07	5.89E-09	1.42E-07	3.14E-08	4.51E-08	7.16E-08	1.26E-08	1.43E-08	3.23E-07
3566	476863.09	3850377.25	5.15E-04	5.55E-04	8.74E-04	1.78E-07	5.38E-07	3.11E-07	3.36E-07	3.04E-07	1.39E-07	2.19E-07	5.95E-09	1.44E-07	3.17E-08	4.56E-08	7.23E-08	1.27E-08	1.44E-08	3.26E-07
3567	477363.09	3850377.25	5.16E-04	5.56E-04	8.73E-04	1.79E-07	5.39E-07	3.12E-07	3.36E-07	3.05E-07	1.39E-07	2.18E-07	5.96E-09	1.44E-07	3.18E-08	4.57E-08	7.24E-08	1.28E-08	1.44E-08	3.27E-07
3568	477863.09	3850377.25	4.99E-04	5.37E-04	8.43E-04	1.73E-07	5.21E-07	3.02E-07	3.25E-07	2.95E-07	1.35E-07	2.11E-07	5.77E-09	1.39E-07	3.07E-08	4.41E-08	7.00E-08	1.23E-08	1.39E-08	3.16E-07
3569	478363.09	3850377.25	4.99E-04	5.37E-04	8.44E-04	1.73E-07	5.21E-07	3.02E-07	3.25E-07	2.95E-07	1.35E-07	2.11E-07	5.77E-09	1.39E-07	3.07E-08	4.42E-08	7.00E-08	1.23E-08	1.39E-08	3.16E-07
3570	478863.09	3850377.25	6.52E-04	7.03E-04	1.11E-03	2.26E-07	6.82E-07	3.95E-07	4.26E-07	3.86E-07	1.76E-07	2.77E-07	7.54E-09	1.82E-07	4.02E-08	5.78E-08	9.16E-08	1.62E-08	1.83E-08	4.14E-07
3571	479363.09	3850377.25	7.96E-04	8.58E-04	1.36E-03	2.75E-07	8.32E-07	4.81E-07	5.19E-07	4.71E-07	2.15E-07	3.40E-07	9.20E-09	2.22E-07	4.90E-08	7.05E-08	1.12E-07	1.97E-08	2.24E-08	5.05E-07
3572	479863.09	3850377.25	7.34E-04	7.92E-04	1.25E-03	2.54E-07	7.67E-07	4.44E-07	4.79E-07	4.34E-07	1.98E-07	3.13E-07	8.49E-09	2.05E-07	4.52E-08	6.51E-08	1.03E-07	1.82E-08	2.07E-08	4.66E-07
3573	480363.09	3850377.25	6.12E-04	6.60E-04	1.04E-03	2.12E-07	6.40E-07	3.70E-07	3.99E-07	3.62E-07	1.65E-07	2.61E-07	7.08E-09	1.71E-07	3.77E-08	5.42E-08	8.60E-08	1.52E-08	1.72E-08	3.88E-07
3574	480863.09	3850377.25	5.60E-04	6.03E-04	9.50E-04	1.94E-07	5.85E-07	3.39E-07	3.65E-07	3.31E-07	1.51E-07	2.38E-07	6.47E-09	1.56E-07	3.45E-08	4.96E-08	7.86E-08	1.39E-08	1.57E-08	3.55E-07
3575	481363.09	3850377.25	3.46E-04	3.72E-04	5.85E-04	1.20E-07	3.61E-07	2.09E-07	2.25E-07	2.04E-07	9.32E-08	1.46E-07	3.99E-09	9.65E-08	2.13E-08	3.06E-08	4.85E-08	8.55E-09	9.65E-09	2.19E-07
3576	481863.09	3850377.25	3.13E-04	3.37E-04	5.30E-04	1.08E-07	3.27E-07	1.89E-07	2.04E-07	1.85E-07	8.44E-08	1.33E-07	3.61E-09	8.73E-08	1.93E-08	2.77E-08	4.39E-08	7.74E-09	8.75E-09	1.98E-07
3577	482363.09	3850377.25	2.79E-04	3.00E-04	4.73E-04	9.65E-08	2.91E-07	1.69E-07	1.82E-07	1.65E-07	7.52E-08	1.18E-07	3.22E-09	7.78E-08	1.72E-08	2.47E-08	3.92E-08	6.90E-09	7.80E-09	1.77E-07
3578	482863.09	3850377.25	1.95E-04	2.10E-04	3.31E-04	6.76E-08	2.04E-07	1.18E-07	1.27E-07	1.15E-07	5.27E-08	8.29E-08	2.26E-09	5.45E-08	1.20E-08	1.73E-08	2.74E-08	4.83E-09	5.47E-09	1.24E-07
3579	483363.09	3850377.25	1.61E-04	1.74E-04	2.74E-04	5.58E-08	1.68E-07	9.75E-08	1.05E-07	9.53E-08	4.35E-08	6.86E-08	1.86E-09	4.50E-08	9.93E-09	1.43E-08	2.26E-08	3.99E-09	4.52E-09	1.02E-07
3580	483863.09	3850377.25	1.68E-04	1.81E-04	2.85E-04	5.83E-08	1.76E-07	1.02E-07	1.10E-07	9.95E-08	4.54E-08	7.14E-08	1.95E-09	4.70E-08	1.04E-08	1.49E-08	2.36E-08	4.17E-09	4.71E-09	1.07E-07
3581	484363.09	3850377.25	1.93E-04	2.08E-04	3.26E-04	6.68E-08	2.02E-07	1.17E-07	1.26E-07	1.14E-07	5.20E-08	8.17E-08	2.23E-09	5.39E-08	1.19E-08	1.71E-08	2.71E-08	4.77E-09	5.39E-09	1.22E-07
3582	484863.09	3850377.25	2.25E-04	2.43E-04	3.81E-04	7.80E-08	2.35E-07	1.36E-07	1.47E-07	1.33E-07	6.07E-08	9.53E-08	2.60E-09	6.29E-08	1.39E-08	1.99E-08	3.16E-08	5.57E-09	6.29E-09	1.43E-07
3583	485363.09	3850377.25	2.19E-04	2.36E-04	3.70E-04	7.59E-08	2.29E-07	1.33E-07	1.43E-07	1.30E-07	5.91E-08	9.27E-08	2.53E-09	6.12E-08	1.35E-08	1.94E-08	3.08E-08	5.42E-09	6.11E-09	1.39E-07
3584	485863.09	3850377.25	1.97E-04	2.12E-04	3.34E-04	6.82E-08	2.06E-07	1.19E-07	1.28E-07	1.16E-07	5.31E-08	8.35E-08	2.28E-09	5.50E-08	1.21E-08	1.74E-08	2.77E-08	4.88E-09	5.51E-09	1.25E-07
3585	486363.09	3850377.25	1.95E-04	2.11E-04	3.32E-04	6.76E-08	2.04E-07	1.18E-07	1.27E-07	1.15E-07	5.27E-08	8.30E-08	2.26E-09	5.45E-08	1.20E-08	1.73E-08	2.74E-08	4.84E-09	5.48E-09	1.24E-07
3586	486863.09	3850377.25	1.96E-04	2.12E-04	3.34E-04	6.80E-08	2.05E-07	1.19E-07	1.28E-07	1.16E-07	5.30E-08	8.36E-08	2.27E-09	5.48E-08	1.21E-08	1.74E-08	2.76E-08	4.86E-09	5.52E-09	1.25E-07
3587	487363.09	3850377.25	1.92E-04	2.07E-04	3.26E-04	6.63E-08	2.00E-07	1.16E-07	1.25E-07	1.13E-07	5.17E-08	8.17E-08	2.21E-09	5.35E-08	1.18E-08	1.70E-08	2.69E-08	4.75E-09	5.39E-09	1.22E-07
3588	487863.09	3850377.25	1.98E-04	2.14E-04	3.38E-04	6.86E-08	2.07E-07	1.20E-07	1.29E-07	1.17E-07	5.35E-08	8.45E-08	2.29E-09	5.53E-08	1.22E-08	1.75E-08	2.78E-08	4.91E-09	5.57E-09	1.26E-07
3589	488363.09	3850377.25	2.04E-04	2.20E-04	3.48E-04	7.05E-08	2.13E-07	1.23E-07	1.33E-07	1.20E-07	5.50E-08	8.70E-08	2.35E-09	5.68E-08	1.25E-08	1.80E-08	2.86E-08	5.05E-09	5.74E-09	1.29E-07
3590	488863.09	3850377.25	2.13E-04	2.30E-04	3.64E-04	7.37E-08	2.22E-07	1.29E-07	1.39E-07	1.26E-07	5.75E-08	9.12E-08	2.46E-09	5.94E-08	1.31E-08	1.89E-08	2.99E-08	5.27E-09	6.02E-09	1.35E-07
3591	489363.09	3850377.25	2.21E-04	2.39E-04	3.81E-04	7.67E-08	2.32E-07	1.34E-07	1.45E-07	1.31E-07	5.99E-08	9.53E-08	2.56E-09	6.18E-08	1.36E-08	1.96E-08	3.12E-08	5.49E-09	6.29E-09	1.41E-07
3592	489863.09	3850377.25	2.26E-04	2.44E-04	3.89E-04	7.81E-08	2.36E-07	1.37E-07	1.48E-07	1.34E-07	6.10E-08	9.73E-08	2.61E-09	6.30E-08	1.39E-08	2.00E-08	3.18E-08	5.60E-09	6.42E-09	1.43E-07

3593	490363.09	3850377.25	2.33E-04	2.51E-04	4.01E-04	8.05E-08	2.43E-07	1.41E-07	1.52E-07	1.38E-07	6.29E-08	1.00E-07	2.69E-09	6.50E-08	1.43E-08	2.06E-08	3.27E-08	5.77E-09	6.62E-09	1.48E-07
3594	490863.09	3850377.25	2.42E-04	2.61E-04	4.17E-04	8.37E-08	2.53E-07	1.46E-07	1.58E-07	1.43E-07	6.54E-08	1.04E-07	2.79E-09	6.75E-08	1.49E-08	2.15E-08	3.40E-08	6.00E-09	6.89E-09	1.54E-07
3595	491363.09	3850377.25	2.49E-04	2.69E-04	4.31E-04	8.63E-08	2.61E-07	1.51E-07	1.63E-07	1.48E-07	6.74E-08	1.08E-07	2.88E-09	6.96E-08	1.54E-08	2.21E-08	3.51E-08	6.19E-09	7.11E-09	1.58E-07
3596	491863.09	3850377.25	2.48E-04	2.68E-04	4.29E-04	8.59E-08	2.59E-07	1.50E-07	1.62E-07	1.47E-07	6.71E-08	1.07E-07	2.87E-09	6.93E-08	1.53E-08	2.20E-08	3.49E-08	6.16E-09	7.09E-09	1.58E-07
3597	492363.09	3850377.25	2.44E-04	2.64E-04	4.22E-04	8.45E-08	2.55E-07	1.48E-07	1.60E-07	1.45E-07	6.60E-08	1.06E-07	2.82E-09	6.81E-08	1.50E-08	2.17E-08	3.44E-08	6.06E-09	6.97E-09	1.55E-07
3598	492863.09	3850377.25	2.46E-04	2.66E-04	4.26E-04	8.51E-08	2.57E-07	1.49E-07	1.61E-07	1.46E-07	6.65E-08	1.07E-07	2.84E-09	6.86E-08	1.51E-08	2.18E-08	3.46E-08	6.10E-09	7.03E-09	1.56E-07
3599	493363.09	3850377.25	2.40E-04	2.60E-04	4.16E-04	8.32E-08	2.51E-07	1.45E-07	1.57E-07	1.42E-07	6.50E-08	1.04E-07	2.78E-09	6.71E-08	1.48E-08	2.13E-08	3.39E-08	5.97E-09	6.87E-09	1.53E-07
3600	493863.09	3850377.25	2.67E-04	2.88E-04	4.62E-04	9.24E-08	2.79E-07	1.62E-07	1.75E-07	1.58E-07	7.22E-08	1.16E-07	3.09E-09	7.45E-08	1.64E-08	2.37E-08	3.76E-08	6.63E-09	7.63E-09	1.70E-07
3601	494363.09	3850377.25	2.89E-04	3.13E-04	5.00E-04	1.00E-07	3.02E-07	1.75E-07	1.89E-07	1.71E-07	7.82E-08	1.25E-07	3.34E-09	8.08E-08	1.78E-08	2.57E-08	4.07E-08	7.18E-09	8.26E-09	1.84E-07
3602	494863.09	3850377.25	3.24E-04	3.50E-04	5.60E-04	1.12E-07	3.39E-07	1.96E-07	2.12E-07	1.92E-07	8.77E-08	1.40E-07	3.75E-09	9.05E-08	2.00E-08	2.88E-08	4.57E-08	8.05E-09	9.25E-09	2.06E-07
3603	495363.09	3850377.25	3.67E-04	3.97E-04	6.34E-04	1.27E-07	3.84E-07	2.22E-07	2.40E-07	2.18E-07	9.94E-08	1.59E-07	4.25E-09	1.03E-07	2.26E-08	3.26E-08	5.17E-08	9.12E-09	1.05E-08	2.33E-07
3604	495863.09	3850377.25	3.60E-04	3.89E-04	6.22E-04	1.25E-07	3.76E-07	2.18E-07	2.35E-07	2.13E-07	9.74E-08	1.56E-07	4.16E-09	1.01E-07	2.22E-08	3.20E-08	5.07E-08	8.94E-09	1.03E-08	2.29E-07
3605	496363.09	3850377.25	4.04E-04	4.36E-04	6.97E-04	1.40E-07	4.22E-07	2.44E-07	2.64E-07	2.39E-07	1.09E-07	1.75E-07	4.67E-09	1.13E-07	2.49E-08	3.59E-08	5.69E-08	1.00E-08	1.15E-08	2.57E-07
3606	496863.09	3850377.25	4.46E-04	4.82E-04	7.70E-04	1.54E-07	4.66E-07	2.70E-07	2.92E-07	2.64E-07	1.21E-07	1.93E-07	5.16E-09	1.25E-07	2.75E-08	3.96E-08	6.28E-08	1.11E-08	1.27E-08	2.83E-07
3607	497363.09	3850377.25	4.69E-04	5.07E-04	8.09E-04	1.62E-07	4.90E-07	2.84E-07	3.07E-07	2.78E-07	1.27E-07	2.03E-07	5.42E-09	1.31E-07	2.89E-08	4.16E-08	6.60E-08	1.16E-08	1.34E-08	2.98E-07
3608	497863.09	3850377.25	4.72E-04	5.10E-04	8.15E-04	1.63E-07	4.94E-07	2.86E-07	3.09E-07	2.80E-07	1.28E-07	2.04E-07	5.46E-09	1.32E-07	2.91E-08	4.19E-08	6.65E-08	1.17E-08	1.35E-08	3.00E-07
3609	498363.09	3850377.25	4.75E-04	5.13E-04	8.20E-04	1.64E-07	4.97E-07	2.87E-07	3.11E-07	2.82E-07	1.28E-07	2.05E-07	5.49E-09	1.33E-07	2.93E-08	4.22E-08	6.69E-08	1.18E-08	1.35E-08	3.02E-07
3610	471363.09	3850877.25	2.33E-04	2.51E-04	3.99E-04	8.05E-08	2.43E-07	1.41E-07	1.52E-07	1.38E-07	6.28E-08	9.98E-08	2.69E-09	6.49E-08	1.43E-08	2.06E-08	3.27E-08	5.77E-09	6.58E-09	1.48E-07
3611	471863.09	3850877.25	2.59E-04	2.80E-04	4.44E-04	8.97E-08	2.71E-07	1.57E-07	1.69E-07	1.53E-07	7.00E-08	1.11E-07	2.99E-09	7.23E-08	1.60E-08	2.30E-08	3.64E-08	6.42E-09	7.33E-09	1.64E-07
3612	472363.09	3850877.25	2.96E-04	3.20E-04	5.08E-04	1.03E-07	3.10E-07	1.79E-07	1.93E-07	1.75E-07	8.00E-08	1.27E-07	3.42E-09	8.27E-08	1.83E-08	2.63E-08	4.17E-08	7.34E-09	8.38E-09	1.88E-07
3613	472863.09	3850877.25	3.31E-04	3.57E-04	5.66E-04	1.14E-07	3.46E-07	2.00E-07	2.16E-07	1.96E-07	8.93E-08	1.42E-07	3.82E-09	9.23E-08	2.04E-08	2.93E-08	4.65E-08	8.20E-09	9.35E-09	2.10E-07
3614	473363.09	3850877.25	3.23E-04	3.48E-04	5.53E-04	1.12E-07	3.37E-07	1.95E-07	2.11E-07	1.91E-07	8.72E-08	1.38E-07	3.73E-09	9.01E-08	1.99E-08	2.86E-08	4.54E-08	8.00E-09	9.12E-09	2.05E-07
3615	473863.09	3850877.25	3.71E-04	4.01E-04	6.34E-04	1.29E-07	3.88E-07	2.25E-07	2.42E-07	2.20E-07	1.00E-07	1.59E-07	4.29E-09	1.04E-07	2.29E-08	3.29E-08	5.22E-08	9.20E-09	1.05E-08	2.36E-07
3616	474363.09	3850877.25	4.29E-04	4.63E-04	7.31E-04	1.49E-07	4.49E-07	2.60E-07	2.80E-07	2.54E-07	1.16E-07	1.83E-07	4.96E-09	1.20E-07	2.64E-08	3.80E-08	6.03E-08	1.06E-08	1.21E-08	2.72E-07
3617	474863.09	3850877.25	4.69E-04	5.06E-04	7.99E-04	1.62E-07	4.90E-07	2.84E-07	3.06E-07	2.77E-07	1.27E-07	2.00E-07	5.42E-09	1.31E-07	2.89E-08	4.16E-08	6.59E-08	1.16E-08	1.32E-08	2.98E-07
3618	475363.09	3850877.25	5.08E-04	5.48E-04	8.66E-04	1.76E-07	5.31E-07	3.07E-07	3.32E-07	3.01E-07	1.37E-07	2.17E-07	5.87E-09	1.42E-07	3.13E-08	4.50E-08	7.14E-08	1.26E-08	1.43E-08	3.22E-07
3619	475863.09	3850877.25	5.47E-04	5.91E-04	9.34E-04	1.89E-07	5.72E-07	3.31E-07	3.57E-07	3.24E-07	1.48E-07	2.34E-07	6.33E-09	1.53E-07	3.37E-08	4.85E-08	7.70E-08	1.36E-08	1.54E-08	3.47E-07
3620	476363.09	3850877.25	5.77E-04	6.23E-04	9.85E-04	2.00E-07	6.03E-07	3.49E-07	3.77E-07	3.42E-07	1.56E-07	2.47E-07	6.67E-09	1.61E-07	3.56E-08	5.12E-08	8.12E-08	1.43E-08	1.63E-08	3.66E-07
3621	476863.09	3850877.25	5.94E-04	6.41E-04	1.01E-03	2.06E-07	6.21E-07	3.60E-07	3.88E-07	3.52E-07	1.60E-07	2.54E-07	6.87E-09	1.66E-07	3.66E-08	5.27E-08	8.35E-08	1.47E-08	1.67E-08	3.77E-07
3622	477363.09	3850877.25	6.05E-04	6.53E-04	1.03E-03	2.10E-07	6.33E-07	3.66E-07	3.95E-07	3.58E-07	1.63E-07	2.58E-07	7.00E-09	1.69E-07	3.73E-08	5.36E-08	8.51E-08	1.50E-08	1.70E-08	3.84E-07
3623	477863.09	3850877.25	6.10E-04	6.58E-04	1.03E-03	2.11E-07	6.38E-07	3.69E-07	3.98E-07	3.61E-07	1.65E-07	2.59E-07	7.05E-09	1.70E-07	3.76E-08	5.40E-08	8.57E-08	1.51E-08	1.71E-08	3.87E-07
3624	478363.09	3850877.25	5.99E-04	6.45E-04	1.01E-03	2.07E-07	6.26E-07	3.62E-07	3.90E-07	3.54E-07	1.61E-07	2.53E-07	6.92E-09	1.67E-07	3.69E-08	5.30E-08	8.41E-08	1.48E-08	1.67E-08	3.80E-07
3625	478863.09	3850877.25	6.21E-04	6.69E-04	1.04E-03	2.15E-07	6.49E-07	3.76E-07	4.05E-07	3.67E-07	1.67E-07	2.61E-07	7.18E-09	1.73E-07	3.83E-08	5.49E-08	8.72E-08	1.54E-08	1.72E-08	3.94E-07
3626	479363.09	3850877.25	7.71E-04	8.31E-04	1.31E-03	2.67E-07	8.06E-07	4.67E-07	5.03E-07	4.56E-07	2.08E-07	3.27E-07	8.92E-09	2.15E-07	4.75E-08	6.83E-08	1.08E-07	1.91E-08	2.16E-08	4.89E-07
3627	479863.09	3850877.25	9.25E-04	9.98E-04	1.58E-03	3.20E-07	9.67E-07	5.60E-07	6.04E-07	5.47E-07	2.50E-07	3.95E-07	1.07E-08	2.58E-07	5.70E-08	8.20E-08	1.30E-07	2.29E-08	2.61E-08	5.87E-07
3628	480363.09	3850877.25	9.11E-04	9.82E-04	1.55E-03	3.15E-07	9.52E-07	5.51E-07	5.94E-07	5.39E-07	2.46E-07	3.87E-07	1.05E-08	2.54E-07	5.61E-08	8.07E-08	1.28E-07	2.26E-08	2.56E-08	5.78E-07
3629	480863.09	3850877.25	8.00E-04	8.62E-04	1.36E-03	2.77E-07	8.36E-07	4.84E-07	5.22E-07	4.73E-07	2.16E-07	3.40E-07	9.25E-09	2.23E-07	4.93E-08	7.08E-08	1.12E-07	1.98E-08	2.24E-08	5.07E-07
3630	481363.09	3850877.25	6.99E-04	7.53E-04	1.18E-03	2.42E-07	7.31E-07	4.23E-07	4.56E-07	4.13E-07	1.89E-07	2.97E-07	8.08E-09	1.95E-07	4.31E-08	6.19E-08	9.82E-08	1.73E-08	1.96E-08	4.43E-07
3631	481863.09	3850877.25	5.60E-04	6.04E-04	9.47E-04	1.94E-07	5.86E-07	3.39E-07	3.65E-07	3.31E-07	1.51E-07	2.37E-07	6.48E-09	1.56E-07	3.45E-08	4.96E-08	7.87E-08	1.39E-08	1.56E-08	3.55E-07
3632	482363.09	3850877.25	4.02E-04	4.34E-04	6.82E-04	1.39E-07	4.21E-07	2.44E-07	2.62E-07	2.38E-07	1.09E-07	1.71E-07	4.65E-09	1.12E-07	2.48E-08	3.56E-08	5.65E-08	9.96E-09	1.13E-08	2.55E-07
3633	482863.09	3850877.25	3.17E-04	3.41E-04	5.35E-04	1.10E-07	3.31E-07	1.92E-07	2.07E-07	1.87E-07	8.54E-08	1.34E-07	3.66E-09	8.84E-08	1.95E-08	2.80E-08	4.45E-08	7.84E-09	8.84E-09	2.01E-07
3634	483363.09	3850877.25	2.45E-04	2.64E-04	4.16E-04	8.49E-08	2.56E-07	1.48E-07	1.60E-07	1.45E-07	6.61E-08	1.04E-07	2.83E-09	6.84E-08	1.51E-08	2.17E-08	3.44E-08	6.07E-09	6.87E-09	1.55E-07
3635	483863.09	3850877.25	2.37E-04	2.55E-04	4.01E-04	8.19E-08	2.47E-07	1.43E-07	1.54E-07	1.40E-07	6.39E-08	1.00E-07	2.74E-09	6.61E-08	1.46E-08	2.10E-08	3.32E-08	5.86E-09	6.63E-09	1.50E-07
3636	484363.09	3850877.25	2.66E-04	2.86E-04	4.49E-04	9.19E-08	2.78E-07	1.61E-07	1.73E-07	1.57E-07	7.16E-08	1.12E-07	3.07E-09	7.42E-08	1.64E-08	2.35E-08	3.73E-08	6.57E-09	7.41E-09	1.68E-07
3637	484863.09	3850877.25	2.59E-04	2.79E-04	4.37E-04	8.95E-08	2.70E-07	1.56E-07	1.69E-07	1.53E-07	6.97E-08	1.09E-07	2.99E-09	7.22E-08	1.59E-08	2.29E-08	3.63E-08	6.40E-09	7.21E-09	1.64E-07
3638	485363.09	3850877.25	2.71E-04	2.92E-04	4.59E-04	9.40E-08	2.84E-07	1.64E-07	1.77E-07	1.60E-07	7.32E-08	1.15E-07	3.14E-09	7.58E-08	1.67E-08	2.40E-08	3.81E-08	6.72E-09	7.57E-09	1.72E-07
3639	485863.09	3850877.25	2.39E-04	2.58E-04	4.06E-04	8.28E-08	2.50E-07	1.45E-07	1.56E-07	1.42E-07	6.46E-08	1.02E-07	2.77E-09	6.68E-08	1.47E-08	2.12E-08	3.36E-08	5.93E-09	6.71E-09	1.52E-07
3640	486363.09	3850877.25	2.52E-04	2.72E-04	4.28E-04	8.72E-08	2.63E-07	1.52E-07	1.64E-07	1.49E-07	6.80E-08	1.07E-07	2.91E-09	7.04E-08	1.55E-08	2.23E-08	3.54E-08	6.24E-09	7.07E-09	1.60E-07
3641	486863.09	3850877.25	2.53E-04	2.73E-04	4.30E-04	8.75E-08	2.64E-07	1.53E-07	1.65E-07	1.50E-07	6.82E-08	1.08E-07	2.92E-09	7.06E-08	1.56E-08	2.24E-08	3.55E-08	6.26E-09	7.10E-09	1.60E-07
3642	487363.09	3850877.25	2.47E-04	2.67E-04	4.21E-04	8.56E-08	2.59E-07	1.50E-07	1.61E-07	1.46E-07	6.68E-08	1.05E-07	2.86E-09	6.91E-08	1.52E-08	2.19E-08	3.48E-08	6.13E-09	6.95E-09	1.57E-07
3643	487863.09	3850877.25	2.57E-04	2.77E-04	4.38E-04	8.88E-08	2.68E-07	1.55E-07	1.68E-07	1.52E-07	6.93E-08	1.10E-07	2.97E-09	7.16E-08	1.58E-08	2.27E-08	3.61E-08	6.36E-09	7.23E-09	1.63E-07
3644	488363.09	3850877.25	2.70E-04	2.92E-04	4.62E-04	9.35E-08	2.82E-07	1.63E-07	1.76E-07	1.60E-07	7.30E-08	1.16E-07	3.12E-09	7.54E-08	1.66E-08	2.39E-08	3.80E-08	6.70E-09	7.63E-09	1.71E-07
3645	488863.09	3850877.25	2.82E-04	3.05E-04	4.85E-04	9.77E-08	2.95E-07	1.71E-07	1.84E-07	1.67E-07	7.63E-08	1.21E-07	3.26E-09	7.88E-08	1.74E-08	2.50E-08	3.97E-08	7.00E-09	8.00E-09	1.79E-07
3646	489363.09	3850877.25	2.98E-04	3.21E-04	5.12E-04	1.03E-07	3.11E-07	1.80E-07	1.94E-07	1.76E-07	8.04E-08	1.28E-07	3.44E-09	8.31E-08	1.83E-08	2.64E-08	4.19E-08	7.38E-09	8.46E-09	1.89E-07
3647	489863.09	3850877.25	3.09E-04	3.34E-04	5.32E-04	1.07E-07	3.23E-07	1.87E-07	2.02E-07	1.83E-07	8.35E-08	1.33E-07	3.57E-09	8.62E-08	1.90E-08	2.74E-08	4.35E-08	7.66E-09	8.79E-09	1.96E-07
3648	490363.09	3850877.25	3.24E-04	3.50E-04	5.59E-04	1.12E-07	3.38E-07	1.96E-07	2.12E-07	1.92E-07	8.75E-08	1.40E-07	3.74E-09	9.04E-08	1.99E-08	2.87E-08	4.56E-08	8.03E-09	9.23E-09	2.06E-07
3649	490863.09	3850877.25	3.35E-04	3.62E-04	5.78E-04	1.16E-07	3.50E-07	2.03E-07	2.19E-07	1.98E-07	9.05E-08	1.45E-07	3.87E-09	9.35E-08	2.06E-08	2.97E-08	4.71E-08	8.31E-09	9.54E-09	2.13E-07
3650	491363.09	3850877.25	3.38E-04	3.65E-04	5.84E-04	1.17E-07	3.53E-07	2.05E-07	2.21E-07	2.00E-07	9.14E-08	1.46E-07	3.91E-09	9.44E-08	2.08E-08	3.00E-08	4.76E-08	8.39E-09	9.64E-09	2.15E-07
3651	491863.09	3850877.25	3.38E-04	3.65E-04	5.84E-04	1.17E-07	3.53E-07	2.04E-07	2.21E-07	2.00E-07	9.13E-08	1.46E-07	3.90E-09	9.43E-08	2.08E-08	3.00E-08	4.75E-08	8.38E-09	9.63E-09	2.15E-07

3652	492363.09	3850877.25	3.36E-04	3.63E-04	5.81E-04	1.16E-07	3.51E-07	2.03E-07	2.20E-07	1.99E-07	9.08E-08	1.45E-07	3.88E-09	9.38E-08	2.07E-08	2.98E-08	4.73E-08	8.34E-09	9.59E-09	2.13E-07
3653	492863.09	3850877.25	3.39E-04	3.66E-04	5.85E-04	1.17E-07	3.54E-07	2.05E-07	2.21E-07	2.01E-07	9.16E-08	1.47E-07	3.91E-09	9.45E-08	2.09E-08	3.01E-08	4.77E-08	8.40E-09	9.67E-09	2.15E-07
3654	493363.09	3850877.25	3.47E-04	3.75E-04	6.01E-04	1.20E-07	3.63E-07	2.10E-07	2.27E-07	2.06E-07	9.39E-08	1.50E-07	4.01E-09	9.70E-08	2.14E-08	3.08E-08	4.89E-08	8.62E-09	9.91E-09	2.21E-07
3655	493863.09	3850877.25	3.83E-04	4.14E-04	6.62E-04	1.33E-07	4.00E-07	2.32E-07	2.50E-07	2.27E-07	1.04E-07	1.66E-07	4.43E-09	1.07E-07	2.36E-08	3.40E-08	5.39E-08	9.50E-09	1.09E-08	2.43E-07
3656	494363.09	3850877.25	4.03E-04	4.35E-04	6.95E-04	1.39E-07	4.21E-07	2.44E-07	2.63E-07	2.39E-07	1.09E-07	1.74E-07	4.65E-09	1.12E-07	2.48E-08	3.57E-08	5.67E-08	9.99E-09	1.15E-08	2.56E-07
3657	494863.09	3850877.25	4.43E-04	4.79E-04	7.65E-04	1.53E-07	4.63E-07	2.68E-07	2.90E-07	2.63E-07	1.20E-07	1.92E-07	5.12E-09	1.24E-07	2.73E-08	3.93E-08	6.24E-08	1.10E-08	1.26E-08	2.82E-07
3658	495363.09	3850877.25	4.88E-04	5.27E-04	8.43E-04	1.69E-07	5.10E-07	2.95E-07	3.19E-07	2.89E-07	1.32E-07	2.11E-07	5.64E-09	1.36E-07	3.01E-08	4.33E-08	6.87E-08	1.21E-08	1.39E-08	3.10E-07
3659	495863.09	3850877.25	5.01E-04	5.42E-04	8.65E-04	1.74E-07	5.24E-07	3.03E-07	3.28E-07	2.97E-07	1.36E-07	2.17E-07	5.80E-09	1.40E-07	3.09E-08	4.45E-08	7.06E-08	1.24E-08	1.43E-08	3.18E-07
3660	496363.09	3850877.25	5.29E-04	5.71E-04	9.12E-04	1.83E-07	5.53E-07	3.20E-07	3.46E-07	3.13E-07	1.43E-07	2.28E-07	6.11E-09	1.48E-07	3.26E-08	4.69E-08	7.44E-08	1.31E-08	1.51E-08	3.36E-07
3661	496863.09	3850877.25	5.70E-04	6.16E-04	9.84E-04	1.97E-07	5.96E-07	3.45E-07	3.73E-07	3.38E-07	1.54E-07	2.46E-07	6.59E-09	1.59E-07	3.51E-08	5.06E-08	8.03E-08	1.42E-08	1.62E-08	3.62E-07
3662	497363.09	3850877.25	5.77E-04	6.24E-04	9.96E-04	2.00E-07	6.04E-07	3.49E-07	3.77E-07	3.42E-07	1.56E-07	2.49E-07	6.67E-09	1.61E-07	3.56E-08	5.12E-08	8.13E-08	1.43E-08	1.64E-08	3.67E-07
3663	497863.09	3850877.25	5.72E-04	6.18E-04	9.88E-04	1.98E-07	5.98E-07	3.46E-07	3.74E-07	3.39E-07	1.55E-07	2.47E-07	6.62E-09	1.60E-07	3.53E-08	5.08E-08	8.06E-08	1.42E-08	1.63E-08	3.64E-07
3664	498363.09	3850877.25	5.67E-04	6.12E-04	9.78E-04	1.96E-07	5.92E-07	3.43E-07	3.70E-07	3.36E-07	1.53E-07	2.45E-07	6.55E-09	1.58E-07	3.49E-08	5.03E-08	7.98E-08	1.41E-08	1.61E-08	3.60E-07
3665	471363.09	3851377.25	2.57E-04	2.77E-04	4.41E-04	8.90E-08	2.69E-07	1.55E-07	1.68E-07	1.52E-07	6.94E-08	1.10E-07	2.97E-09	7.18E-08	1.58E-08	2.28E-08	3.62E-08	6.37E-09	7.28E-09	1.63E-07
3666	471863.09	3851377.25	3.13E-04	3.38E-04	5.37E-04	1.08E-07	3.27E-07	1.90E-07	2.05E-07	1.85E-07	8.46E-08	1.34E-07	3.62E-09	8.75E-08	1.93E-08	2.78E-08	4.41E-08	7.77E-09	8.86E-09	1.99E-07
3667	472363.09	3851377.25	3.20E-04	3.45E-04	5.48E-04	1.11E-07	3.34E-07	1.94E-07	2.09E-07	1.89E-07	8.64E-08	1.37E-07	3.70E-09	8.93E-08	1.97E-08	2.84E-08	4.50E-08	7.93E-09	9.05E-09	2.03E-07
3668	472863.09	3851377.25	3.29E-04	3.55E-04	5.63E-04	1.14E-07	3.44E-07	1.99E-07	2.15E-07	1.95E-07	8.88E-08	1.41E-07	3.80E-09	9.18E-08	2.03E-08	2.92E-08	4.62E-08	8.15E-09	9.30E-09	2.09E-07
3669	473363.09	3851377.25	3.03E-04	3.27E-04	5.19E-04	1.05E-07	3.17E-07	1.83E-07	1.98E-07	1.79E-07	8.19E-08	1.30E-07	3.50E-09	8.46E-08	1.87E-08	2.69E-08	4.26E-08	7.52E-09	8.58E-09	1.92E-07
3670	473863.09	3851377.25	3.22E-04	3.47E-04	5.51E-04	1.11E-07	3.36E-07	1.95E-07	2.10E-07	1.90E-07	8.69E-08	1.38E-07	3.72E-09	8.98E-08	1.98E-08	2.85E-08	4.52E-08	7.97E-09	9.10E-09	2.04E-07
3671	474363.09	3851377.25	3.86E-04	4.16E-04	6.60E-04	1.33E-07	4.03E-07	2.33E-07	2.52E-07	2.28E-07	1.04E-07	1.65E-07	4.46E-09	1.08E-07	2.38E-08	3.42E-08	5.42E-08	9.56E-09	1.09E-08	2.45E-07
3672	474863.09	3851377.25	4.47E-04	4.82E-04	7.64E-04	1.55E-07	4.67E-07	2.70E-07	2.92E-07	2.65E-07	1.21E-07	1.91E-07	5.17E-09	1.25E-07	2.75E-08	3.96E-08	6.29E-08	1.11E-08	1.26E-08	2.84E-07
3673	475363.09	3851377.25	5.04E-04	5.43E-04	8.59E-04	1.74E-07	5.26E-07	3.05E-07	3.29E-07	2.98E-07	1.36E-07	2.15E-07	5.82E-09	1.41E-07	3.10E-08	4.46E-08	7.08E-08	1.25E-08	1.42E-08	3.20E-07
3674	475863.09	3851377.25	5.52E-04	5.95E-04	9.40E-04	1.91E-07	5.77E-07	3.34E-07	3.60E-07	3.26E-07	1.49E-07	2.35E-07	6.38E-09	1.54E-07	3.40E-08	4.89E-08	7.76E-08	1.37E-08	1.55E-08	3.50E-07
3675	476363.09	3851377.25	6.02E-04	6.49E-04	1.03E-03	2.08E-07	6.29E-07	3.64E-07	3.93E-07	3.56E-07	1.62E-07	2.57E-07	6.95E-09	1.68E-07	3.71E-08	5.33E-08	8.46E-08	1.49E-08	1.69E-08	3.82E-07
3676	476863.09	3851377.25	6.41E-04	6.91E-04	1.09E-03	2.22E-07	6.70E-07	3.88E-07	4.18E-07	3.79E-07	1.73E-07	2.74E-07	7.41E-09	1.79E-07	3.95E-08	5.68E-08	9.01E-08	1.59E-08	1.81E-08	4.07E-07
3677	477363.09	3851377.25	6.92E-04	7.47E-04	1.18E-03	2.40E-07	7.24E-07	4.19E-07	4.52E-07	4.10E-07	1.87E-07	2.96E-07	8.00E-09	1.93E-07	4.27E-08	6.14E-08	9.74E-08	1.72E-08	1.95E-08	4.39E-07
3678	477863.09	3851377.25	7.16E-04	7.73E-04	1.22E-03	2.48E-07	7.49E-07	4.33E-07	4.68E-07	4.24E-07	1.93E-07	3.05E-07	8.28E-09	2.00E-07	4.41E-08	6.35E-08	1.01E-07	1.77E-08	2.01E-08	4.55E-07
3679	478363.09	3851377.25	7.26E-04	7.83E-04	1.23E-03	2.51E-07	7.59E-07	4.39E-07	4.74E-07	4.29E-07	1.96E-07	3.08E-07	8.39E-09	2.03E-07	4.47E-08	6.43E-08	1.02E-07	1.80E-08	2.03E-08	4.60E-07
3680	478863.09	3851377.25	7.25E-04	7.81E-04	1.22E-03	2.51E-07	7.57E-07	4.38E-07	4.72E-07	4.28E-07	1.95E-07	3.06E-07	8.38E-09	2.02E-07	4.46E-08	6.41E-08	1.02E-07	1.79E-08	2.02E-08	4.59E-07
3681	479363.09	3851377.25	7.40E-04	7.97E-04	1.24E-03	2.56E-07	7.73E-07	4.48E-07	4.82E-07	4.37E-07	1.99E-07	3.12E-07	8.55E-09	2.07E-07	4.56E-08	6.55E-08	1.04E-07	1.83E-08	2.06E-08	4.69E-07
3682	479863.09	3851377.25	9.20E-04	9.91E-04	1.56E-03	3.18E-07	9.62E-07	5.57E-07	6.00E-07	5.44E-07	2.48E-07	3.89E-07	1.06E-08	2.57E-07	5.67E-08	8.14E-08	1.29E-07	2.28E-08	2.57E-08	5.83E-07
3683	480363.09	3851377.25	1.11E-03	1.20E-03	1.89E-03	3.85E-07	1.16E-06	6.73E-07	7.26E-07	6.58E-07	3.00E-07	4.74E-07	1.29E-08	3.11E-07	6.85E-08	9.86E-08	1.56E-07	2.76E-08	3.13E-08	7.06E-07
3684	480863.09	3851377.25	1.09E-03	1.18E-03	1.85E-03	3.78E-07	1.14E-06	6.61E-07	7.12E-07	6.46E-07	2.95E-07	4.63E-07	1.26E-08	3.05E-07	6.73E-08	9.67E-08	1.53E-07	2.70E-08	3.05E-08	6.92E-07
3685	481363.09	3851377.25	9.90E-04	1.07E-03	1.68E-03	3.43E-07	1.03E-06	5.99E-07	6.46E-07	5.85E-07	2.67E-07	4.19E-07	1.14E-08	2.76E-07	6.10E-08	8.77E-08	1.39E-07	2.45E-08	2.77E-08	6.28E-07
3686	481863.09	3851377.25	8.16E-04	8.79E-04	1.38E-03	2.82E-07	8.53E-07	4.94E-07	5.32E-07	4.82E-07	2.20E-07	3.45E-07	9.43E-09	2.28E-07	5.03E-08	7.22E-08	1.15E-07	2.02E-08	2.28E-08	5.17E-07
3687	482363.09	3851377.25	6.90E-04	7.44E-04	1.17E-03	2.39E-07	7.21E-07	4.18E-07	4.50E-07	4.08E-07	1.86E-07	2.92E-07	7.98E-09	1.93E-07	4.25E-08	6.11E-08	9.69E-08	1.71E-08	1.93E-08	4.38E-07
3688	482863.09	3851377.25	4.95E-04	5.34E-04	8.37E-04	1.71E-07	5.18E-07	3.00E-07	3.23E-07	2.93E-07	1.34E-07	2.09E-07	5.73E-09	1.38E-07	3.05E-08	4.38E-08	6.96E-08	1.23E-08	1.38E-08	3.14E-07
3689	483363.09	3851377.25	3.54E-04	3.82E-04	5.99E-04	1.23E-07	3.70E-07	2.14E-07	2.31E-07	2.09E-07	9.56E-08	1.50E-07	4.10E-09	9.89E-08	2.18E-08	3.14E-08	4.98E-08	8.77E-09	9.88E-09	2.25E-07
3690	483863.09	3851377.25	3.07E-04	3.31E-04	5.21E-04	1.06E-07	3.21E-07	1.86E-07	2.00E-07	1.82E-07	8.29E-08	1.30E-07	3.55E-09	8.58E-08	1.89E-08	2.72E-08	4.32E-08	7.61E-09	8.60E-09	1.95E-07
3691	484363.09	3851377.25	3.71E-04	3.99E-04	6.25E-04	1.28E-07	3.87E-07	2.24E-07	2.42E-07	2.19E-07	9.99E-08	1.56E-07	4.28E-09	1.03E-07	2.28E-08	3.28E-08	5.20E-08	9.17E-09	1.03E-08	2.35E-07
3692	484863.09	3851377.25	2.80E-04	3.02E-04	4.74E-04	9.70E-08	2.93E-07	1.69E-07	1.83E-07	1.66E-07	7.56E-08	1.19E-07	3.24E-09	7.82E-08	1.73E-08	2.48E-08	3.93E-08	6.93E-09	7.82E-09	1.78E-07
3693	485363.09	3851377.25	3.52E-04	3.79E-04	5.94E-04	1.22E-07	3.67E-07	2.13E-07	2.29E-07	2.08E-07	9.48E-08	1.49E-07	4.06E-09	9.82E-08	2.17E-08	3.11E-08	4.94E-08	8.70E-09	9.81E-09	2.23E-07
3694	485863.09	3851377.25	3.09E-04	3.33E-04	5.24E-04	1.07E-07	3.23E-07	1.87E-07	2.01E-07	1.82E-07	8.33E-08	1.31E-07	3.57E-09	8.62E-08	1.90E-08	2.73E-08	4.34E-08	7.64E-09	8.65E-09	1.96E-07
3695	486363.09	3851377.25	3.40E-04	3.66E-04	5.76E-04	1.18E-07	3.55E-07	2.06E-07	2.22E-07	2.01E-07	9.17E-08	1.44E-07	3.93E-09	9.49E-08	2.09E-08	3.01E-08	4.78E-08	8.42E-09	9.52E-09	2.16E-07
3696	486863.09	3851377.25	3.37E-04	3.64E-04	5.74E-04	1.17E-07	3.53E-07	2.04E-07	2.20E-07	2.00E-07	9.10E-08	1.44E-07	3.90E-09	9.42E-08	2.08E-08	2.99E-08	4.74E-08	8.35E-09	9.47E-09	2.14E-07
3697	487363.09	3851377.25	3.09E-04	3.33E-04	5.27E-04	1.07E-07	3.23E-07	1.87E-07	2.02E-07	1.83E-07	8.34E-08	1.32E-07	3.57E-09	8.62E-08	1.90E-08	2.74E-08	4.34E-08	7.65E-09	8.71E-09	1.96E-07
3698	487863.09	3851377.25	3.51E-04	3.79E-04	6.01E-04	1.21E-07	3.67E-07	2.12E-07	2.29E-07	2.08E-07	9.47E-08	1.50E-07	4.05E-09	9.79E-08	2.16E-08	3.11E-08	4.93E-08	8.70E-09	9.92E-09	2.23E-07
3699	488363.09	3851377.25	3.77E-04	4.07E-04	6.46E-04	1.30E-07	3.94E-07	2.28E-07	2.46E-07	2.23E-07	1.02E-07	1.62E-07	4.35E-09	1.05E-07	2.32E-08	3.34E-08	5.30E-08	9.34E-09	1.07E-08	2.39E-07
3700	488863.09	3851377.25	3.96E-04	4.27E-04	6.80E-04	1.37E-07	4.13E-07	2.39E-07	2.58E-07	2.34E-07	1.07E-07	1.70E-07	4.57E-09	1.10E-07	2.44E-08	3.51E-08	5.57E-08	9.81E-09	1.12E-08	2.51E-07
3701	489363.09	3851377.25	4.16E-04	4.49E-04	7.17E-04	1.44E-07	4.35E-07	2.52E-07	2.72E-07	2.46E-07	1.12E-07	1.79E-07	4.81E-09	1.16E-07	2.56E-08	3.69E-08	5.86E-08	1.03E-08	1.18E-08	2.64E-07
3702	489863.09	3851377.25	4.33E-04	4.67E-04	7.47E-04	1.50E-07	4.52E-07	2.62E-07	2.83E-07	2.56E-07	1.17E-07	1.87E-07	5.00E-09	1.21E-07	2.67E-08	3.84E-08	6.09E-08	1.07E-08	1.23E-08	2.75E-07
3703	490363.09	3851377.25	4.50E-04	4.86E-04	7.76E-04	1.56E-07	4.70E-07	2.72E-07	2.94E-07	2.66E-07	1.22E-07	1.94E-07	5.20E-09	1.26E-07	2.77E-08	3.99E-08	6.33E-08	1.12E-08	1.28E-08	2.86E-07
3704	490863.09	3851377.25	4.61E-04	4.98E-04	7.96E-04	1.60E-07	4.82E-07	2.79E-07	3.02E-07	2.73E-07	1.25E-07	1.99E-07	5.33E-09	1.29E-07	2.84E-08	4.09E-08	6.50E-08	1.14E-08	1.31E-08	2.93E-07
3705	491363.09	3851377.25	4.60E-04	4.97E-04	7.95E-04	1.59E-07	4.81E-07	2.79E-07	3.01E-07	2.73E-07	1.24E-07	1.99E-07	5.32E-09	1.29E-07	2.84E-08	4.09E-08	6.48E-08	1.14E-08	1.31E-08	2.92E-07
3706	491863.09	3851377.25	4.62E-04	4.99E-04	7.98E-04	1.60E-07	4.83E-07	2.79E-07	3.02E-07	2.74E-07	1.25E-07	2.00E-07	5.34E-09	1.29E-07	2.85E-08	4.10E-08	6.50E-08	1.15E-08	1.32E-08	2.93E-07
3707	492363.09	3851377.25	4.68E-04	5.05E-04	8.08E-04	1.62E-07	4.89E-07	2.83E-07	3.06E-07	2.77E-07	1.26E-07	2.02E-07	5.41E-09	1.31E-07	2.88E-08	4.15E-08	6.58E-08	1.16E-08	1.33E-08	2.97E-07
3708	492863.09	3851377.25	4.63E-04	5.00E-04	8.00E-04	1.60E-07	4.84E-07	2.80E-07	3.03E-07	2.74E-07	1.25E-07	2.00E-07	5.35E-09	1.29E-07	2.85E-08	4.11E-08	6.52E-08	1.15E-08	1.32E-08	2.94E-07
3709	493363.09	3851377.25	4.28E-04	4.63E-04	7.40E-04	1.48E-07	4.48E-07	2.59E-07	2.80E-07	2.54E-07	1.16E-07	1.85E-07	4.95E-09	1.20E-07	2.64E-08	3.80E-08	6.03E-08	1.06E-08	1.22E-08	2.72E-07
3710	493863.09	3851377.25	4.67E-04	5.05E-04	8.07E-04	1.62E-07	4.89E-07	2.83E-07	3.06E-07	2.77E-07	1.26E-07	2.02E-07	5.40E-09	1.31E-07	2.88E-08	4.15E-08	6.58E-08	1.16E-08	1.33E-08	2.97E-07

3711	494363.09	3851377.25	5.47E-04	5.91E-04	9.44E-04	1.89E-07	5.72E-07	3.31E-07	3.58E-07	3.24E-07	1.48E-07	2.36E-07	6.32E-09	1.53E-07	3.37E-08	4.86E-08	7.70E-08	1.36E-08	1.56E-08	3.48E-07
3712	494863.09	3851377.25	5.70E-04	6.15E-04	9.83E-04	1.97E-07	5.95E-07	3.45E-07	3.72E-07	3.38E-07	1.54E-07	2.46E-07	6.59E-09	1.59E-07	3.51E-08	5.06E-08	8.02E-08	1.41E-08	1.62E-08	3.62E-07
3713	495363.09	3851377.25	6.51E-04	7.04E-04	1.12E-03	2.26E-07	6.81E-07	3.94E-07	4.26E-07	3.86E-07	1.76E-07	2.81E-07	7.53E-09	1.82E-07	4.01E-08	5.78E-08	9.17E-08	1.62E-08	1.85E-08	4.14E-07
3714	495863.09	3851377.25	6.84E-04	7.39E-04	1.18E-03	2.37E-07	7.15E-07	4.14E-07	4.47E-07	4.05E-07	1.85E-07	2.95E-07	7.91E-09	1.91E-07	4.22E-08	6.07E-08	9.63E-08	1.70E-08	1.95E-08	4.35E-07
3715	496363.09	3851377.25	7.02E-04	7.58E-04	1.21E-03	2.43E-07	7.33E-07	4.24E-07	4.59E-07	4.16E-07	1.90E-07	3.03E-07	8.11E-09	1.96E-07	4.32E-08	6.23E-08	9.88E-08	1.74E-08	2.00E-08	4.46E-07
3716	496863.09	3851377.25	7.07E-04	7.64E-04	1.22E-03	2.45E-07	7.39E-07	4.28E-07	4.62E-07	4.19E-07	1.91E-07	3.05E-07	8.17E-09	1.97E-07	4.36E-08	6.27E-08	9.95E-08	1.75E-08	2.01E-08	4.49E-07
3717	497363.09	3851377.25	7.09E-04	7.66E-04	1.22E-03	2.45E-07	7.41E-07	4.29E-07	4.63E-07	4.20E-07	1.92E-07	3.06E-07	8.19E-09	1.98E-07	4.37E-08	6.29E-08	9.98E-08	1.76E-08	2.02E-08	4.50E-07
3718	497863.09	3851377.25	6.98E-04	7.55E-04	1.20E-03	2.42E-07	7.30E-07	4.23E-07	4.57E-07	4.14E-07	1.89E-07	3.02E-07	8.07E-09	1.95E-07	4.30E-08	6.20E-08	9.83E-08	1.73E-08	1.99E-08	4.44E-07
3719	498363.09	3851377.25	6.65E-04	7.18E-04	1.15E-03	2.30E-07	6.95E-07	4.02E-07	4.35E-07	3.94E-07	1.80E-07	2.87E-07	7.69E-09	1.86E-07	4.10E-08	5.90E-08	9.36E-08	1.65E-08	1.89E-08	4.22E-07
3720	471363.09	3851877.25	2.90E-04	3.14E-04	4.99E-04	1.01E-07	3.04E-07	1.76E-07	1.90E-07	1.72E-07	7.85E-08	1.25E-07	3.36E-09	8.11E-08	1.79E-08	2.58E-08	4.09E-08	7.20E-09	8.24E-09	1.84E-07
3721	471863.09	3851877.25	2.82E-04	3.05E-04	4.85E-04	9.77E-08	2.95E-07	1.71E-07	1.84E-07	1.67E-07	7.63E-08	1.21E-07	3.26E-09	7.88E-08	1.74E-08	2.50E-08	3.97E-08	7.00E-09	8.00E-09	1.79E-07
3722	472363.09	3851877.25	3.17E-04	3.42E-04	5.44E-04	1.10E-07	3.31E-07	1.92E-07	2.07E-07	1.88E-07	8.56E-08	1.36E-07	3.66E-09	8.85E-08	1.95E-08	2.81E-08	4.46E-08	7.86E-09	8.98E-09	2.01E-07
3723	472863.09	3851877.25	3.48E-04	3.75E-04	5.97E-04	1.20E-07	3.63E-07	2.10E-07	2.27E-07	2.06E-07	9.40E-08	1.49E-07	4.02E-09	9.71E-08	2.14E-08	3.08E-08	4.89E-08	8.62E-09	9.85E-09	2.21E-07
3724	473363.09	3851877.25	3.28E-04	3.54E-04	5.62E-04	1.13E-07	3.43E-07	1.98E-07	2.14E-07	1.94E-07	8.85E-08	1.41E-07	3.79E-09	9.15E-08	2.02E-08	2.91E-08	4.61E-08	8.12E-09	9.27E-09	2.08E-07
3725	473863.09	3851877.25	3.38E-04	3.65E-04	5.79E-04	1.17E-07	3.53E-07	2.04E-07	2.21E-07	2.00E-07	9.12E-08	1.45E-07	3.90E-09	9.43E-08	2.08E-08	2.99E-08	4.75E-08	8.37E-09	9.55E-09	2.14E-07
3726	474363.09	3851877.25	3.95E-04	4.26E-04	6.76E-04	1.37E-07	4.13E-07	2.39E-07	2.58E-07	2.34E-07	1.07E-07	1.69E-07	4.57E-09	1.10E-07	2.43E-08	3.50E-08	5.56E-08	9.79E-09	1.12E-08	2.51E-07
3727	474863.09	3851877.25	4.54E-04	4.90E-04	7.77E-04	1.57E-07	4.74E-07	2.74E-07	2.96E-07	2.69E-07	1.23E-07	1.94E-07	5.24E-09	1.27E-07	2.80E-08	4.02E-08	6.38E-08	1.12E-08	1.28E-08	2.88E-07
3728	475363.09	3851877.25	4.94E-04	5.33E-04	8.45E-04	1.71E-07	5.16E-07	2.99E-07	3.23E-07	2.92E-07	1.33E-07	2.12E-07	5.71E-09	1.38E-07	3.04E-08	4.38E-08	6.95E-08	1.22E-08	1.40E-08	3.13E-07
3729	475863.09	3851877.25	5.33E-04	5.76E-04	9.12E-04	1.85E-07	5.57E-07	3.23E-07	3.48E-07	3.16E-07	1.44E-07	2.28E-07	6.17E-09	1.49E-07	3.29E-08	4.73E-08	7.50E-08	1.32E-08	1.51E-08	3.39E-07
3730	476363.09	3851877.25	5.51E-04	5.95E-04	9.43E-04	1.91E-07	5.76E-07	3.33E-07	3.60E-07	3.26E-07	1.49E-07	2.36E-07	6.37E-09	1.54E-07	3.39E-08	4.88E-08	7.75E-08	1.37E-08	1.56E-08	3.50E-07
3731	476863.09	3851877.25	6.23E-04	6.72E-04	1.07E-03	2.16E-07	6.51E-07	3.77E-07	4.07E-07	3.69E-07	1.68E-07	2.67E-07	7.20E-09	1.74E-07	3.84E-08	5.52E-08	8.76E-08	1.54E-08	1.76E-08	3.95E-07
3732	477363.09	3851877.25	6.99E-04	7.55E-04	1.19E-03	2.42E-07	7.31E-07	4.23E-07	4.57E-07	4.14E-07	1.89E-07	2.99E-07	8.08E-09	1.95E-07	4.31E-08	6.20E-08	9.83E-08	1.73E-08	1.97E-08	4.44E-07
3733	477863.09	3851877.25	7.65E-04	8.25E-04	1.31E-03	2.65E-07	7.99E-07	4.63E-07	4.99E-07	4.53E-07	2.06E-07	3.27E-07	8.84E-09	2.13E-07	4.71E-08	6.78E-08	1.08E-07	1.89E-08	2.16E-08	4.85E-07
3734	478363.09	3851877.25	7.92E-04	8.55E-04	1.36E-03	2.74E-07	8.28E-07	4.80E-07	5.17E-07	4.69E-07	2.14E-07	3.39E-07	9.16E-09	2.21E-07	4.88E-08	7.03E-08	1.11E-07	1.96E-08	2.24E-08	5.03E-07
3735	478863.09	3851877.25	8.45E-04	9.12E-04	1.44E-03	2.93E-07	8.84E-07	5.11E-07	5.52E-07	5.00E-07	2.28E-07	3.61E-07	9.77E-09	2.36E-07	5.21E-08	7.49E-08	1.19E-07	2.09E-08	2.38E-08	5.36E-07
3736	479363.09	3851877.25	8.85E-04	9.54E-04	1.50E-03	3.06E-07	9.25E-07	5.36E-07	5.77E-07	5.23E-07	2.39E-07	3.76E-07	1.02E-08	2.47E-07	5.45E-08	7.84E-08	1.24E-07	2.19E-08	2.48E-08	5.61E-07
3737	479863.09	3851877.25	9.31E-04	1.00E-03	1.57E-03	3.22E-07	9.73E-07	5.63E-07	6.07E-07	5.50E-07	2.51E-07	3.94E-07	1.08E-08	2.60E-07	5.74E-08	8.24E-08	1.31E-07	2.30E-08	2.60E-08	5.90E-07
3738	480363.09	3851877.25	1.12E-03	1.21E-03	1.90E-03	3.88E-07	1.17E-06	6.78E-07	7.31E-07	6.63E-07	3.02E-07	4.75E-07	1.30E-08	3.13E-07	6.91E-08	9.92E-08	1.57E-07	2.77E-08	3.13E-08	7.11E-07
3739	480863.09	3851877.25	1.35E-03	1.45E-03	2.29E-03	4.66E-07	1.41E-06	8.15E-07	8.79E-07	7.96E-07	3.63E-07	5.72E-07	1.56E-08	3.76E-07	8.30E-08	1.19E-07	1.89E-07	3.33E-08	3.78E-08	8.54E-07
3740	481363.09	3851877.25	1.34E-03	1.44E-03	2.26E-03	4.63E-07	1.40E-06	8.10E-07	8.72E-07	7.91E-07	3.61E-07	5.66E-07	1.55E-08	3.74E-07	8.25E-08	1.18E-07	1.88E-07	3.31E-08	3.73E-08	8.48E-07
3741	481863.09	3851877.25	1.18E-03	1.27E-03	1.99E-03	4.07E-07	1.23E-06	7.12E-07	7.67E-07	6.96E-07	3.17E-07	4.98E-07	1.36E-08	3.29E-07	7.25E-08	1.04E-07	1.65E-07	2.91E-08	3.28E-08	7.46E-07
3742	482363.09	3851877.25	8.34E-04	8.99E-04	1.41E-03	2.89E-07	8.72E-07	5.05E-07	5.44E-07	4.93E-07	2.25E-07	3.53E-07	9.64E-09	2.33E-07	5.14E-08	7.38E-08	1.17E-07	2.06E-08	2.33E-08	5.29E-07
3743	482863.09	3851877.25	5.48E-04	5.90E-04	9.27E-04	1.90E-07	5.72E-07	3.31E-07	3.57E-07	3.24E-07	1.48E-07	2.32E-07	6.33E-09	1.53E-07	3.37E-08	4.85E-08	7.69E-08	1.36E-08	1.53E-08	3.47E-07
3744	483363.09	3851877.25	5.48E-04	5.90E-04	9.22E-04	1.90E-07	5.73E-07	3.31E-07	3.57E-07	3.24E-07	1.48E-07	2.31E-07	6.33E-09	1.53E-07	3.38E-08	4.85E-08	7.69E-08	1.36E-08	1.52E-08	3.47E-07
3745	483863.09	3851877.25	4.77E-04	5.13E-04	8.03E-04	1.65E-07	4.98E-07	2.88E-07	3.11E-07	2.82E-07	1.28E-07	2.01E-07	5.51E-09	1.33E-07	2.94E-08	4.22E-08	6.69E-08	1.18E-08	1.33E-08	3.02E-07
3746	484363.09	3851877.25	5.13E-04	5.53E-04	8.65E-04	1.78E-07	5.36E-07	3.11E-07	3.35E-07	3.03E-07	1.38E-07	2.16E-07	5.93E-09	1.43E-07	3.16E-08	4.54E-08	7.21E-08	1.27E-08	1.43E-08	3.25E-07
3747	484863.09	3851877.25	4.59E-04	4.95E-04	7.75E-04	1.59E-07	4.80E-07	2.78E-07	2.99E-07	2.71E-07	1.24E-07	1.94E-07	5.31E-09	1.28E-07	2.83E-08	4.06E-08	6.45E-08	1.14E-08	1.28E-08	2.91E-07
3748	485363.09	3851877.25	4.75E-04	5.12E-04	8.03E-04	1.65E-07	4.97E-07	2.88E-07	3.10E-07	2.81E-07	1.28E-07	2.01E-07	5.50E-09	1.33E-07	2.93E-08	4.21E-08	6.68E-08	1.18E-08	1.33E-08	3.01E-07
3749	485863.09	3851877.25	4.91E-04	5.30E-04	8.31E-04	1.70E-07	5.14E-07	2.97E-07	3.20E-07	2.90E-07	1.33E-07	2.08E-07	5.68E-09	1.37E-07	3.03E-08	4.35E-08	6.90E-08	1.22E-08	1.37E-08	3.12E-07
3750	486363.09	3851877.25	4.54E-04	4.90E-04	7.72E-04	1.57E-07	4.75E-07	2.75E-07	2.96E-07	2.69E-07	1.23E-07	1.93E-07	5.25E-09	1.27E-07	2.80E-08	4.02E-08	6.38E-08	1.12E-08	1.27E-08	2.88E-07
3751	486863.09	3851877.25	4.71E-04	5.08E-04	8.03E-04	1.63E-07	4.92E-07	2.85E-07	3.07E-07	2.78E-07	1.27E-07	2.01E-07	5.44E-09	1.31E-07	2.90E-08	4.17E-08	6.62E-08	1.17E-08	1.33E-08	2.99E-07
3752	487363.09	3851877.25	4.88E-04	5.26E-04	8.35E-04	1.69E-07	5.10E-07	2.95E-07	3.19E-07	2.89E-07	1.32E-07	2.09E-07	5.64E-09	1.36E-07	3.01E-08	4.32E-08	6.86E-08	1.21E-08	1.38E-08	3.10E-07
3753	487863.09	3851877.25	4.64E-04	5.01E-04	7.99E-04	1.61E-07	4.85E-07	2.81E-07	3.03E-07	2.75E-07	1.25E-07	2.00E-07	5.37E-09	1.30E-07	2.86E-08	4.12E-08	6.53E-08	1.15E-08	1.32E-08	2.95E-07
3754	488363.09	3851877.25	4.97E-04	5.37E-04	8.56E-04	1.72E-07	5.19E-07	3.01E-07	3.25E-07	2.94E-07	1.34E-07	2.14E-07	5.74E-09	1.39E-07	3.06E-08	4.41E-08	6.99E-08	1.23E-08	1.41E-08	3.16E-07
3755	488863.09	3851877.25	5.04E-04	5.44E-04	8.70E-04	1.74E-07	5.27E-07	3.05E-07	3.29E-07	2.99E-07	1.36E-07	2.18E-07	5.83E-09	1.41E-07	3.11E-08	4.47E-08	7.10E-08	1.25E-08	1.44E-08	3.20E-07
3756	489363.09	3851877.25	5.15E-04	5.56E-04	8.89E-04	1.78E-07	5.38E-07	3.11E-07	3.37E-07	3.05E-07	1.39E-07	2.23E-07	5.95E-09	1.44E-07	3.17E-08	4.57E-08	7.25E-08	1.28E-08	1.47E-08	3.27E-07
3757	489863.09	3851877.25	5.33E-04	5.76E-04	9.22E-04	1.85E-07	5.57E-07	3.23E-07	3.49E-07	3.16E-07	1.44E-07	2.31E-07	6.17E-09	1.49E-07	3.29E-08	4.73E-08	7.51E-08	1.32E-08	1.52E-08	3.39E-07
3758	490363.09	3851877.25	5.63E-04	6.08E-04	9.72E-04	1.95E-07	5.88E-07	3.40E-07	3.68E-07	3.33E-07	1.52E-07	2.43E-07	6.50E-09	1.57E-07	3.47E-08	4.99E-08	7.92E-08	1.40E-08	1.60E-08	3.57E-07
3759	490863.09	3851877.25	5.94E-04	6.42E-04	1.03E-03	2.06E-07	6.21E-07	3.60E-07	3.89E-07	3.52E-07	1.61E-07	2.57E-07	6.87E-09	1.66E-07	3.66E-08	5.28E-08	8.37E-08	1.48E-08	1.69E-08	3.78E-07
3760	491363.09	3851877.25	6.28E-04	6.78E-04	1.08E-03	2.17E-07	6.56E-07	3.80E-07	4.10E-07	3.72E-07	1.70E-07	2.71E-07	7.26E-09	1.75E-07	3.87E-08	5.57E-08	8.84E-08	1.56E-08	1.79E-08	3.99E-07
3761	491863.09	3851877.25	6.51E-04	7.03E-04	1.12E-03	2.25E-07	6.80E-07	3.94E-07	4.25E-07	3.85E-07	1.76E-07	2.81E-07	7.52E-09	1.82E-07	4.01E-08	5.77E-08	9.16E-08	1.61E-08	1.85E-08	4.13E-07
3762	492363.09	3851877.25	6.40E-04	6.92E-04	1.10E-03	2.22E-07	6.69E-07	3.87E-07	4.18E-07	3.79E-07	1.73E-07	2.77E-07	7.40E-09	1.79E-07	3.94E-08	5.68E-08	9.01E-08	1.59E-08	1.82E-08	4.07E-07
3763	492863.09	3851877.25	5.70E-04	6.16E-04	9.84E-04	1.97E-07	5.95E-07	3.45E-07	3.72E-07	3.38E-07	1.54E-07	2.46E-07	6.59E-09	1.59E-07	3.51E-08	5.06E-08	8.02E-08	1.41E-08	1.62E-08	3.62E-07
3764	493363.09	3851877.25	6.69E-04	7.23E-04	1.16E-03	2.32E-07	7.00E-07	4.05E-07	4.38E-07	3.97E-07	1.81E-07	2.89E-07	7.74E-09	1.87E-07	4.12E-08	5.94E-08	9.43E-08	1.66E-08	1.91E-08	4.25E-07
3765	493863.09	3851877.25	7.79E-04	8.41E-04	1.34E-03	2.70E-07	8.14E-07	4.71E-07	5.09E-07	4.61E-07	2.11E-07	3.36E-07	9.00E-09	2.17E-07	4.80E-08	6.91E-08	1.10E-07	1.93E-08	2.22E-08	4.95E-07
3766	494363.09	3851877.25	7.60E-04	8.21E-04	1.31E-03	2.63E-07	7.95E-07	4.60E-07	4.97E-07	4.50E-07	2.06E-07	3.28E-07	8.79E-09	2.12E-07	4.68E-08	6.75E-08	1.07E-07	1.89E-08	2.16E-08	4.83E-07
3767	494863.09	3851877.25	8.32E-04	8.98E-04	1.43E-03	2.88E-07	8.69E-07	5.03E-07	5.44E-07	4.93E-07	2.25E-07	3.59E-07	9.61E-09	2.32E-07	5.12E-08	7.38E-08	1.17E-07	2.06E-08	2.37E-08	5.28E-07
3768	495363.09	3851877.25	8.78E-04	9.48E-04	1.51E-03	3.04E-07	9.18E-07	5.31E-07	5.74E-07	5.20E-07	2.37E-07	3.79E-07	1.01E-08	2.45E-07	5.41E-08	7.79E-08	1.24E-07	2.18E-08	2.50E-08	5.58E-07
3769	495863.09	3851877.25	9.05E-04	9.77E-04	1.56E-03	3.13E-07	9.45E-07	5.47E-07	5.91E-07	5.36E-07	2.45E-07	3.90E-07	1.05E-08	2.53E-07	5.57E-08	8.03E-08	1.27E-07	2.24E-08	2.57E-08	5.75E-07

3770	496363.09	3851877.25	8.93E-04	9.65E-04	1.54E-03	3.09E-07	9.34E-07	5.41E-07	5.84E-07	5.29E-07	2.42E-07	3.85E-07	1.03E-08	2.49E-07	5.50E-08	7.93E-08	1.26E-07	2.22E-08	2.54E-08	5.67E-07
3771	496863.09	3851877.25	8.75E-04	9.45E-04	1.51E-03	3.03E-07	9.15E-07	5.30E-07	5.72E-07	5.19E-07	2.37E-07	3.78E-07	1.01E-08	2.44E-07	5.39E-08	7.77E-08	1.23E-07	2.17E-08	2.49E-08	5.56E-07
3772	497363.09	3851877.25	8.51E-04	9.19E-04	1.47E-03	2.95E-07	8.89E-07	5.15E-07	5.56E-07	5.04E-07	2.30E-07	3.67E-07	9.83E-09	2.38E-07	5.24E-08	7.55E-08	1.20E-07	2.11E-08	2.42E-08	5.40E-07
3773	497863.09	3851877.25	7.99E-04	8.63E-04	1.38E-03	2.76E-07	8.35E-07	4.83E-07	5.22E-07	4.73E-07	2.16E-07	3.45E-07	9.23E-09	2.23E-07	4.92E-08	7.09E-08	1.12E-07	1.98E-08	2.27E-08	5.07E-07
3774	498363.09	3851877.25	7.52E-04	8.13E-04	1.30E-03	2.60E-07	7.86E-07	4.55E-07	4.92E-07	4.46E-07	2.03E-07	3.25E-07	8.70E-09	2.10E-07	4.63E-08	6.68E-08	1.06E-07	1.87E-08	2.14E-08	4.78E-07
3775	471363.09	3852377.25	2.67E-04	2.88E-04	4.58E-04	9.24E-08	2.79E-07	1.61E-07	1.74E-07	1.58E-07	7.21E-08	1.15E-07	3.08E-09	7.45E-08	1.64E-08	2.37E-08	3.75E-08	6.62E-09	7.56E-09	1.69E-07
3776	471863.09	3852377.25	3.05E-04	3.29E-04	5.23E-04	1.05E-07	3.18E-07	1.84E-07	1.99E-07	1.80E-07	8.23E-08	1.31E-07	3.52E-09	8.51E-08	1.88E-08	2.70E-08	4.29E-08	7.56E-09	8.64E-09	1.93E-07
3777	472363.09	3852377.25	3.33E-04	3.59E-04	5.72E-04	1.15E-07	3.48E-07	2.01E-07	2.17E-07	1.97E-07	8.99E-08	1.43E-07	3.85E-09	9.29E-08	2.05E-08	2.95E-08	4.68E-08	8.25E-09	9.44E-09	2.11E-07
3778	472863.09	3852377.25	3.54E-04	3.83E-04	6.09E-04	1.23E-07	3.70E-07	2.14E-07	2.32E-07	2.10E-07	9.58E-08	1.52E-07	4.10E-09	9.90E-08	2.18E-08	3.14E-08	4.99E-08	8.79E-09	1.00E-08	2.25E-07
3779	473363.09	3852377.25	3.66E-04	3.96E-04	6.29E-04	1.27E-07	3.83E-07	2.22E-07	2.39E-07	2.17E-07	9.90E-08	1.57E-07	4.24E-09	1.02E-07	2.26E-08	3.25E-08	5.16E-08	9.09E-09	1.04E-08	2.33E-07
3780	473863.09	3852377.25	3.72E-04	4.01E-04	6.38E-04	1.29E-07	3.88E-07	2.25E-07	2.43E-07	2.20E-07	1.00E-07	1.60E-07	4.30E-09	1.04E-07	2.29E-08	3.30E-08	5.23E-08	9.22E-09	1.05E-08	2.36E-07
3781	474363.09	3852377.25	3.83E-04	4.13E-04	6.57E-04	1.33E-07	4.00E-07	2.32E-07	2.50E-07	2.27E-07	1.03E-07	1.64E-07	4.43E-09	1.07E-07	2.36E-08	3.40E-08	5.39E-08	9.49E-09	1.08E-08	2.43E-07
3782	474863.09	3852377.25	4.91E-04	5.30E-04	8.41E-04	1.70E-07	5.13E-07	2.97E-07	3.21E-07	2.91E-07	1.33E-07	2.10E-07	5.67E-09	1.37E-07	3.02E-08	4.35E-08	6.90E-08	1.22E-08	1.39E-08	3.12E-07
3783	475363.09	3852377.25	5.10E-04	5.51E-04	8.74E-04	1.77E-07	5.34E-07	3.09E-07	3.33E-07	3.02E-07	1.38E-07	2.19E-07	5.90E-09	1.43E-07	3.15E-08	4.53E-08	7.18E-08	1.27E-08	1.44E-08	3.24E-07
3784	475863.09	3852377.25	5.23E-04	5.65E-04	8.96E-04	1.81E-07	5.47E-07	3.17E-07	3.42E-07	3.10E-07	1.41E-07	2.24E-07	6.05E-09	1.46E-07	3.22E-08	4.64E-08	7.36E-08	1.30E-08	1.48E-08	3.32E-07
3785	476363.09	3852377.25	5.24E-04	5.65E-04	8.96E-04	1.81E-07	5.47E-07	3.17E-07	3.42E-07	3.10E-07	1.41E-07	2.24E-07	6.05E-09	1.46E-07	3.23E-08	4.64E-08	7.36E-08	1.30E-08	1.48E-08	3.32E-07
3786	476863.09	3852377.25	5.68E-04	6.13E-04	9.72E-04	1.97E-07	5.94E-07	3.44E-07	3.71E-07	3.36E-07	1.53E-07	2.43E-07	6.57E-09	1.59E-07	3.50E-08	5.04E-08	7.99E-08	1.41E-08	1.61E-08	3.61E-07
3787	477363.09	3852377.25	6.02E-04	6.49E-04	1.03E-03	2.08E-07	6.29E-07	3.64E-07	3.93E-07	3.56E-07	1.63E-07	2.58E-07	6.96E-09	1.68E-07	3.71E-08	5.34E-08	8.46E-08	1.49E-08	1.70E-08	3.82E-07
3788	477863.09	3852377.25	5.46E-04	5.90E-04	9.36E-04	1.89E-07	5.71E-07	3.30E-07	3.57E-07	3.23E-07	1.48E-07	2.34E-07	6.31E-09	1.52E-07	3.36E-08	4.84E-08	7.68E-08	1.35E-08	1.55E-08	3.47E-07
3789	478363.09	3852377.25	5.18E-04	5.59E-04	8.87E-04	1.79E-07	5.42E-07	3.13E-07	3.38E-07	3.07E-07	1.40E-07	2.22E-07	5.99E-09	1.45E-07	3.19E-08	4.59E-08	7.29E-08	1.28E-08	1.46E-08	3.29E-07
3790	478863.09	3852377.25	6.95E-04	7.49E-04	1.19E-03	2.40E-07	7.26E-07	4.20E-07	4.53E-07	4.11E-07	1.88E-07	2.97E-07	8.03E-09	1.94E-07	4.28E-08	6.16E-08	9.77E-08	1.72E-08	1.96E-08	4.41E-07
3791	479363.09	3852377.25	8.24E-04	8.89E-04	1.41E-03	2.85E-07	8.62E-07	4.99E-07	5.38E-07	4.88E-07	2.23E-07	3.52E-07	9.53E-09	2.30E-07	5.08E-08	7.31E-08	1.16E-07	2.04E-08	2.32E-08	5.23E-07
3792	479863.09	3852377.25	1.04E-03	1.13E-03	1.78E-03	3.61E-07	1.09E-06	6.32E-07	6.82E-07	6.18E-07	2.82E-07	4.46E-07	1.21E-08	2.92E-07	6.43E-08	9.25E-08	1.47E-07	2.59E-08	2.94E-08	6.63E-07
3793	480363.09	3852377.25	1.18E-03	1.28E-03	2.00E-03	4.10E-07	1.24E-06	7.16E-07	7.72E-07	7.00E-07	3.19E-07	5.02E-07	1.37E-08	3.31E-07	7.30E-08	1.05E-07	1.66E-07	2.93E-08	3.31E-08	7.51E-07
3794	480863.09	3852377.25	1.42E-03	1.53E-03	2.40E-03	4.90E-07	1.48E-06	8.57E-07	9.23E-07	8.37E-07	3.82E-07	6.00E-07	1.64E-08	3.95E-07	8.72E-08	1.25E-07	1.99E-07	3.51E-08	3.96E-08	8.98E-07
3795	481363.09	3852377.25	1.71E-03	1.84E-03	2.90E-03	5.92E-07	1.79E-06	1.03E-06	1.12E-06	1.01E-06	4.61E-07	7.27E-07	1.98E-08	4.77E-07	1.05E-07	1.51E-07	2.40E-07	4.23E-08	4.79E-08	1.08E-06
3796	481863.09	3852377.25	1.69E-03	1.82E-03	2.85E-03	5.86E-07	1.77E-06	1.02E-06	1.10E-06	1.00E-06	4.56E-07	7.14E-07	1.96E-08	4.73E-07	1.04E-07	1.50E-07	2.38E-07	4.19E-08	4.71E-08	1.07E-06
3797	482363.09	3852377.25	1.48E-03	1.59E-03	2.48E-03	5.11E-07	1.54E-06	8.93E-07	9.62E-07	8.72E-07	3.98E-07	6.21E-07	1.71E-08	4.12E-07	9.09E-08	1.31E-07	2.07E-07	3.65E-08	4.10E-08	9.35E-07
3798	482863.09	3852377.25	1.22E-03	1.32E-03	2.07E-03	4.23E-07	1.28E-06	7.40E-07	7.97E-07	7.22E-07	3.30E-07	5.17E-07	1.41E-08	3.41E-07	7.53E-08	1.08E-07	1.72E-07	3.03E-08	3.41E-08	7.75E-07
3799	483363.09	3852377.25	8.11E-04	8.73E-04	1.36E-03	2.81E-07	8.48E-07	4.91E-07	5.28E-07	4.79E-07	2.19E-07	3.42E-07	9.37E-09	2.26E-07	5.00E-08	7.17E-08	1.14E-07	2.01E-08	2.25E-08	5.14E-07
3800	483863.09	3852377.25	6.35E-04	6.84E-04	1.07E-03	2.20E-07	6.64E-07	3.84E-07	4.14E-07	3.75E-07	1.71E-07	2.68E-07	7.34E-09	1.77E-07	3.91E-08	5.62E-08	8.92E-08	1.57E-08	1.76E-08	4.03E-07
3801	484363.09	3852377.25	7.05E-04	7.60E-04	1.19E-03	2.44E-07	7.37E-07	4.27E-07	4.60E-07	4.17E-07	1.90E-07	2.97E-07	8.15E-09	1.97E-07	4.34E-08	6.24E-08	9.90E-08	1.74E-08	1.96E-08	4.47E-07
3802	484863.09	3852377.25	7.52E-04	8.10E-04	1.27E-03	2.60E-07	7.86E-07	4.55E-07	4.90E-07	4.44E-07	2.03E-07	3.17E-07	8.69E-09	2.10E-07	4.63E-08	6.65E-08	1.06E-07	1.86E-08	2.09E-08	4.77E-07
3803	485363.09	3852377.25	8.03E-04	8.64E-04	1.35E-03	2.78E-07	8.39E-07	4.86E-07	5.23E-07	4.74E-07	2.16E-07	3.38E-07	9.28E-09	2.24E-07	4.94E-08	7.10E-08	1.13E-07	1.99E-08	2.23E-08	5.09E-07
3804	485863.09	3852377.25	7.51E-04	8.10E-04	1.27E-03	2.60E-07	7.85E-07	4.54E-07	4.90E-07	4.44E-07	2.03E-07	3.19E-07	8.68E-09	2.10E-07	4.63E-08	6.65E-08	1.06E-07	1.86E-08	2.10E-08	4.76E-07
3805	486363.09	3852377.25	6.67E-04	7.19E-04	1.14E-03	2.31E-07	6.97E-07	4.03E-07	4.35E-07	3.95E-07	1.80E-07	2.85E-07	7.71E-09	1.86E-07	4.11E-08	5.91E-08	9.38E-08	1.65E-08	1.88E-08	4.23E-07
3806	486863.09	3852377.25	6.75E-04	7.28E-04	1.16E-03	2.33E-07	7.05E-07	4.08E-07	4.41E-07	3.99E-07	1.82E-07	2.90E-07	7.80E-09	1.88E-07	4.16E-08	5.98E-08	9.49E-08	1.67E-08	1.91E-08	4.28E-07
3807	487363.09	3852377.25	6.66E-04	7.20E-04	1.15E-03	2.31E-07	6.97E-07	4.03E-07	4.36E-07	3.95E-07	1.80E-07	2.87E-07	7.70E-09	1.86E-07	4.11E-08	5.91E-08	9.38E-08	1.65E-08	1.89E-08	4.23E-07
3808	487863.09	3852377.25	6.65E-04	7.18E-04	1.15E-03	2.30E-07	6.95E-07	4.02E-07	4.35E-07	3.94E-07	1.80E-07	2.87E-07	7.69E-09	1.86E-07	4.10E-08	5.90E-08	9.36E-08	1.65E-08	1.89E-08	4.22E-07
3809	488363.09	3852377.25	6.62E-04	7.15E-04	1.14E-03	2.29E-07	6.92E-07	4.01E-07	4.33E-07	3.92E-07	1.79E-07	2.86E-07	7.65E-09	1.85E-07	4.08E-08	5.88E-08	9.32E-08	1.64E-08	1.89E-08	4.21E-07
3810	488863.09	3852377.25	6.52E-04	7.04E-04	1.13E-03	2.26E-07	6.81E-07	3.94E-07	4.26E-07	3.86E-07	1.76E-07	2.82E-07	7.53E-09	1.82E-07	4.02E-08	5.79E-08	9.18E-08	1.62E-08	1.86E-08	4.14E-07
3811	489363.09	3852377.25	6.54E-04	7.07E-04	1.13E-03	2.27E-07	6.84E-07	3.96E-07	4.28E-07	3.88E-07	1.77E-07	2.83E-07	7.56E-09	1.83E-07	4.03E-08	5.81E-08	9.22E-08	1.62E-08	1.87E-08	4.16E-07
3812	489863.09	3852377.25	6.30E-04	6.80E-04	1.09E-03	2.18E-07	6.58E-07	3.81E-07	4.12E-07	3.73E-07	1.70E-07	2.73E-07	7.28E-09	1.76E-07	3.88E-08	5.59E-08	8.87E-08	1.56E-08	1.80E-08	4.00E-07
3813	490363.09	3852377.25	7.04E-04	7.61E-04	1.22E-03	2.44E-07	7.36E-07	4.26E-07	4.61E-07	4.17E-07	1.90E-07	3.05E-07	8.14E-09	1.97E-07	4.34E-08	6.25E-08	9.92E-08	1.75E-08	2.01E-08	4.48E-07
3814	490863.09	3852377.25	7.65E-04	8.26E-04	1.32E-03	2.65E-07	8.00E-07	4.63E-07	5.00E-07	4.53E-07	2.07E-07	3.31E-07	8.84E-09	2.14E-07	4.71E-08	6.79E-08	1.08E-07	1.90E-08	2.18E-08	4.86E-07
3815	491363.09	3852377.25	8.93E-04	9.65E-04	1.54E-03	3.09E-07	9.33E-07	5.40E-07	5.84E-07	5.29E-07	2.41E-07	3.86E-07	1.03E-08	2.49E-07	5.50E-08	7.93E-08	1.26E-07	2.22E-08	2.54E-08	5.67E-07
3816	491863.09	3852377.25	9.23E-04	9.97E-04	1.59E-03	3.20E-07	9.65E-07	5.59E-07	6.03E-07	5.47E-07	2.50E-07	3.98E-07	1.07E-08	2.58E-07	5.69E-08	8.19E-08	1.30E-07	2.29E-08	2.63E-08	5.86E-07
3817	492363.09	3852377.25	9.36E-04	1.01E-03	1.61E-03	3.24E-07	9.78E-07	5.66E-07	6.12E-07	5.55E-07	2.53E-07	4.04E-07	1.08E-08	2.61E-07	5.77E-08	8.31E-08	1.32E-07	2.32E-08	2.66E-08	5.94E-07
3818	492863.09	3852377.25	9.92E-04	1.07E-03	1.71E-03	3.43E-07	1.04E-06	6.00E-07	6.48E-07	5.87E-07	2.68E-07	4.28E-07	1.15E-08	2.77E-07	6.11E-08	8.80E-08	1.40E-07	2.46E-08	2.82E-08	6.30E-07
3819	493363.09	3852377.25	1.09E-03	1.17E-03	1.87E-03	3.76E-07	1.14E-06	6.58E-07	7.11E-07	6.44E-07	2.94E-07	4.69E-07	1.26E-08	3.04E-07	6.70E-08	9.65E-08	1.53E-07	2.70E-08	3.09E-08	6.91E-07
3820	493863.09	3852377.25	1.08E-03	1.16E-03	1.86E-03	3.73E-07	1.13E-06	6.52E-07	7.04E-07	6.38E-07	2.91E-07	4.65E-07	1.25E-08	3.01E-07	6.64E-08	9.56E-08	1.52E-07	2.67E-08	3.06E-08	6.85E-07
3821	494363.09	3852377.25	1.07E-03	1.16E-03	1.85E-03	3.71E-07	1.12E-06	6.48E-07	7.00E-07	6.35E-07	2.90E-07	4.62E-07	1.24E-08	2.99E-07	6.60E-08	9.51E-08	1.51E-07	2.66E-08	3.05E-08	6.81E-07
3822	494863.09	3852377.25	1.12E-03	1.21E-03	1.93E-03	3.88E-07	1.17E-06	6.79E-07	7.33E-07	6.64E-07	3.03E-07	4.84E-07	1.30E-08	3.13E-07	6.91E-08	9.95E-08	1.58E-07	2.78E-08	3.19E-08	7.12E-07
3823	495363.09	3852377.25	1.17E-03	1.27E-03	2.02E-03	4.06E-07	1.22E-06	7.09E-07	7.66E-07	6.94E-07	3.17E-07	5.05E-07	1.35E-08	3.27E-07	7.22E-08	1.04E-07	1.65E-07	2.91E-08	3.33E-08	7.44E-07
3824	495863.09	3852377.25	1.13E-03	1.22E-03	1.95E-03	3.91E-07	1.18E-06	6.84E-07	7.38E-07	6.69E-07	3.05E-07	4.87E-07	1.31E-08	3.16E-07	6.96E-08	1.00E-07	1.59E-07	2.80E-08	3.22E-08	7.18E-07
3825	496363.09	3852377.25	1.08E-03	1.17E-03	1.87E-03	3.75E-07	1.13E-06	6.56E-07	7.09E-07	6.43E-07	2.93E-07	4.68E-07	1.25E-08	3.03E-07	6.68E-08	9.62E-08	1.53E-07	2.69E-08	3.09E-08	6.89E-07
3826	496863.09	3852377.25	1.05E-03	1.14E-03	1.82E-03	3.65E-07	1.10E-06	6.37E-07	6.88E-07	6.24E-07	2.85E-07	4.54E-07	1.22E-08	2.94E-07	6.49E-08	9.35E-08	1.48E-07	2.61E-08	3.00E-08	6.69E-07
3827	497363.09	3852377.25	9.63E-04	1.04E-03	1.66E-03	3.34E-07	1.01E-06	5.83E-07	6.30E-07	5.71E-07	2.60E-07	4.16E-07	1.11E-08	2.69E-07	5.94E-08	8.55E-08	1.36E-07	2.39E-08	2.74E-08	6.12E-07
3828	497863.09	3852377.25	8.78E-04	9.48E-04	1.51E-03	3.04E-07	9.17E-07	5.31E-07	5.74E-07	5.20E-07	2.37E-07	3.79E-07	1.01E-08	2.45E-07	5.41E-08	7.79E-08	1.24E-07	2.18E-08	2.50E-08	5.57E-07

3829	498363.09	3852377.25	8.00E-04	8.65E-04	1.38E-03	2.77E-07	8.37E-07	4.84E-07	5.23E-07	4.74E-07	2.16E-07	3.45E-07	9.25E-09	2.23E-07	4.93E-08	7.10E-08	1.13E-07	1.99E-08	2.28E-08	5.08E-07
3830	471363.09	3852877.25	2.79E-04	3.02E-04	4.80E-04	9.67E-08	2.92E-07	1.69E-07	1.82E-07	1.65E-07	7.55E-08	1.20E-07	3.23E-09	7.80E-08	1.72E-08	2.48E-08	3.93E-08	6.93E-09	7.92E-09	1.77E-07
3831	471863.09	3852877.25	3.10E-04	3.35E-04	5.33E-04	1.07E-07	3.24E-07	1.88E-07	2.03E-07	1.84E-07	8.39E-08	1.33E-07	3.59E-09	8.67E-08	1.91E-08	2.75E-08	4.37E-08	7.70E-09	8.80E-09	1.97E-07
3832	472363.09	3852877.25	3.45E-04	3.73E-04	5.93E-04	1.19E-07	3.61E-07	2.09E-07	2.25E-07	2.04E-07	9.32E-08	1.48E-07	3.99E-09	9.63E-08	2.13E-08	3.06E-08	4.85E-08	8.56E-09	9.78E-09	2.19E-07
3833	472863.09	3852877.25	3.74E-04	4.04E-04	6.42E-04	1.29E-07	3.91E-07	2.26E-07	2.44E-07	2.21E-07	1.01E-07	1.61E-07	4.32E-09	1.04E-07	2.30E-08	3.32E-08	5.26E-08	9.27E-09	1.06E-08	2.37E-07
3834	473363.09	3852877.25	4.05E-04	4.37E-04	6.95E-04	1.40E-07	4.23E-07	2.45E-07	2.65E-07	2.40E-07	1.09E-07	1.74E-07	4.68E-09	1.13E-07	2.50E-08	3.59E-08	5.70E-08	1.00E-08	1.15E-08	2.57E-07
3835	473863.09	3852877.25	4.45E-04	4.80E-04	7.63E-04	1.54E-07	4.65E-07	2.69E-07	2.90E-07	2.63E-07	1.20E-07	1.91E-07	5.14E-09	1.24E-07	2.74E-08	3.94E-08	6.26E-08	1.10E-08	1.26E-08	2.82E-07
3836	474363.09	3852877.25	4.84E-04	5.23E-04	8.30E-04	1.68E-07	5.06E-07	2.93E-07	3.16E-07	2.87E-07	1.31E-07	2.08E-07	5.60E-09	1.35E-07	2.98E-08	4.29E-08	6.81E-08	1.20E-08	1.37E-08	3.07E-07
3837	474863.09	3852877.25	4.55E-04	4.91E-04	7.80E-04	1.57E-07	4.75E-07	2.75E-07	2.97E-07	2.69E-07	1.23E-07	1.95E-07	5.25E-09	1.27E-07	2.80E-08	4.03E-08	6.39E-08	1.13E-08	1.29E-08	2.89E-07
3838	475363.09	3852877.25	5.03E-04	5.42E-04	8.62E-04	1.74E-07	5.25E-07	3.04E-07	3.28E-07	2.98E-07	1.36E-07	2.16E-07	5.81E-09	1.40E-07	3.10E-08	4.46E-08	7.07E-08	1.25E-08	1.42E-08	3.19E-07
3839	475863.09	3852877.25	5.23E-04	5.64E-04	8.96E-04	1.81E-07	5.46E-07	3.16E-07	3.41E-07	3.10E-07	1.41E-07	2.24E-07	6.04E-09	1.46E-07	3.22E-08	4.64E-08	7.35E-08	1.30E-08	1.48E-08	3.32E-07
3840	476363.09	3852877.25	4.99E-04	5.39E-04	8.56E-04	1.73E-07	5.22E-07	3.02E-07	3.26E-07	2.96E-07	1.35E-07	2.14E-07	5.77E-09	1.39E-07	3.08E-08	4.43E-08	7.03E-08	1.24E-08	1.41E-08	3.17E-07
3841	476863.09	3852877.25	4.47E-04	4.82E-04	7.65E-04	1.55E-07	4.67E-07	2.70E-07	2.92E-07	2.64E-07	1.21E-07	1.92E-07	5.16E-09	1.25E-07	2.75E-08	3.96E-08	6.28E-08	1.11E-08	1.26E-08	2.84E-07
3842	477363.09	3852877.25	4.15E-04	4.48E-04	7.12E-04	1.44E-07	4.34E-07	2.51E-07	2.71E-07	2.46E-07	1.12E-07	1.78E-07	4.80E-09	1.16E-07	2.56E-08	3.68E-08	5.84E-08	1.03E-08	1.18E-08	2.64E-07
3843	477863.09	3852877.25	3.84E-04	4.14E-04	6.59E-04	1.33E-07	4.01E-07	2.32E-07	2.51E-07	2.27E-07	1.04E-07	1.65E-07	4.44E-09	1.07E-07	2.36E-08	3.40E-08	5.40E-08	9.52E-09	1.09E-08	2.44E-07
3844	478363.09	3852877.25	3.21E-04	3.47E-04	5.53E-04	1.11E-07	3.35E-07	1.94E-07	2.10E-07	1.90E-07	8.67E-08	1.38E-07	3.71E-09	8.96E-08	1.98E-08	2.85E-08	4.52E-08	7.96E-09	9.13E-09	2.04E-07
3845	478863.09	3852877.25	3.80E-04	4.10E-04	6.54E-04	1.31E-07	3.97E-07	2.30E-07	2.48E-07	2.25E-07	1.03E-07	1.64E-07	4.39E-09	1.06E-07	2.34E-08	3.37E-08	5.35E-08	9.42E-09	1.08E-08	2.41E-07
3846	479363.09	3852877.25	5.29E-04	5.71E-04	9.07E-04	1.83E-07	5.53E-07	3.20E-07	3.45E-07	3.13E-07	1.43E-07	2.27E-07	6.11E-09	1.48E-07	3.26E-08	4.69E-08	7.44E-08	1.31E-08	1.50E-08	3.36E-07
3847	479863.09	3852877.25	9.99E-04	1.08E-03	1.71E-03	3.46E-07	1.04E-06	6.04E-07	6.52E-07	5.91E-07	2.70E-07	4.27E-07	1.15E-08	2.79E-07	6.15E-08	8.85E-08	1.40E-07	2.48E-08	2.82E-08	6.34E-07
3848	480363.09	3852877.25	1.44E-03	1.56E-03	2.46E-03	4.99E-07	1.51E-06	8.72E-07	9.41E-07	8.53E-07	3.89E-07	6.16E-07	1.67E-08	4.03E-07	8.88E-08	1.28E-07	2.03E-07	3.57E-08	4.06E-08	9.15E-07
3849	480863.09	3852877.25	1.53E-03	1.65E-03	2.60E-03	5.29E-07	1.60E-06	9.24E-07	9.96E-07	9.03E-07	4.12E-07	6.50E-07	1.77E-08	4.26E-07	9.41E-08	1.35E-07	2.15E-07	3.78E-08	4.29E-08	9.69E-07
3850	481363.09	3852877.25	1.90E-03	2.05E-03	3.23E-03	6.59E-07	1.99E-06	1.15E-06	1.24E-06	1.13E-06	5.14E-07	8.08E-07	2.20E-08	5.32E-07	1.17E-07	1.69E-07	2.68E-07	4.72E-08	5.33E-08	1.21E-06
3851	481863.09	3852877.25	2.32E-03	2.50E-03	3.94E-03	8.03E-07	2.42E-06	1.40E-06	1.51E-06	1.37E-06	6.26E-07	9.85E-07	2.68E-08	6.47E-07	1.43E-07	2.05E-07	3.26E-07	5.74E-08	6.50E-08	1.47E-06
3852	482363.09	3852877.25	2.25E-03	2.42E-03	3.77E-03	7.78E-07	2.35E-06	1.36E-06	1.46E-06	1.33E-06	6.06E-07	9.43E-07	2.60E-08	6.28E-07	1.38E-07	1.99E-07	3.15E-07	5.56E-08	6.22E-08	1.42E-06
3853	482863.09	3852877.25	2.04E-03	2.20E-03	3.43E-03	7.08E-07	2.14E-06	1.24E-06	1.33E-06	1.21E-06	5.51E-07	8.59E-07	2.36E-08	5.71E-07	1.26E-07	1.81E-07	2.87E-07	5.06E-08	5.66E-08	1.30E-06
3854	483363.09	3852877.25	1.57E-03	1.69E-03	2.63E-03	5.43E-07	1.64E-06	9.49E-07	1.02E-06	9.26E-07	4.22E-07	6.59E-07	1.81E-08	4.38E-07	9.66E-08	1.39E-07	2.20E-07	3.88E-08	4.34E-08	9.93E-07
3855	483863.09	3852877.25	1.01E-03	1.08E-03	1.68E-03	3.48E-07	1.05E-06	6.08E-07	6.54E-07	5.93E-07	2.71E-07	4.20E-07	1.16E-08	2.81E-07	6.19E-08	8.89E-08	1.41E-07	2.48E-08	2.77E-08	6.37E-07
3856	484363.09	3852877.25	1.20E-03	1.29E-03	2.00E-03	4.14E-07	1.25E-06	7.23E-07	7.78E-07	7.06E-07	3.22E-07	5.00E-07	1.38E-08	3.34E-07	7.37E-08	1.06E-07	1.68E-07	2.95E-08	3.30E-08	7.57E-07
3857	484863.09	3852877.25	1.30E-03	1.40E-03	2.19E-03	4.50E-07	1.36E-06	7.87E-07	8.47E-07	7.68E-07	3.50E-07	5.47E-07	1.50E-08	3.63E-07	8.01E-08	1.15E-07	1.83E-07	3.22E-08	3.61E-08	8.24E-07
3858	485363.09	3852877.25	9.84E-04	1.06E-03	1.67E-03	3.41E-07	1.03E-06	5.95E-07	6.42E-07	5.82E-07	2.66E-07	4.18E-07	1.14E-08	2.75E-07	6.06E-08	8.72E-08	1.38E-07	2.44E-08	2.76E-08	6.24E-07
3859	485863.09	3852877.25	9.48E-04	1.02E-03	1.62E-03	3.28E-07	9.90E-07	5.73E-07	6.19E-07	5.61E-07	2.56E-07	4.06E-07	1.10E-08	2.65E-07	5.84E-08	8.40E-08	1.33E-07	2.35E-08	2.68E-08	6.01E-07
3860	486363.09	3852877.25	9.09E-04	9.82E-04	1.57E-03	3.15E-07	9.50E-07	5.50E-07	5.94E-07	5.38E-07	2.46E-07	3.92E-07	1.05E-08	2.54E-07	5.60E-08	8.06E-08	1.28E-07	2.25E-08	2.59E-08	5.77E-07
3861	486863.09	3852877.25	9.42E-04	1.02E-03	1.63E-03	3.26E-07	9.84E-07	5.70E-07	6.16E-07	5.58E-07	2.55E-07	4.07E-07	1.09E-08	2.63E-07	5.80E-08	8.36E-08	1.33E-07	2.34E-08	2.69E-08	5.98E-07
3862	487363.09	3852877.25	9.27E-04	1.00E-03	1.61E-03	3.21E-07	9.69E-07	5.61E-07	6.06E-07	5.50E-07	2.51E-07	4.02E-07	1.07E-08	2.59E-07	5.71E-08	8.23E-08	1.31E-07	2.30E-08	2.65E-08	5.89E-07
3863	487863.09	3852877.25	9.24E-04	9.99E-04	1.60E-03	3.20E-07	9.66E-07	5.59E-07	6.04E-07	5.48E-07	2.50E-07	4.00E-07	1.07E-08	2.58E-07	5.69E-08	8.20E-08	1.30E-07	2.29E-08	2.64E-08	5.87E-07
3864	488363.09	3852877.25	7.61E-04	8.23E-04	1.32E-03	2.63E-07	7.96E-07	4.61E-07	4.98E-07	4.51E-07	2.06E-07	3.30E-07	8.80E-09	2.13E-07	4.69E-08	6.76E-08	1.07E-07	1.89E-08	2.18E-08	4.84E-07
3865	488863.09	3852877.25	8.39E-04	9.07E-04	1.45E-03	2.91E-07	8.77E-07	5.08E-07	5.49E-07	4.97E-07	2.27E-07	3.64E-07	9.70E-09	2.34E-07	5.17E-08	7.45E-08	1.18E-07	2.08E-08	2.40E-08	5.33E-07
3866	489363.09	3852877.25	8.78E-04	9.49E-04	1.52E-03	3.04E-07	9.18E-07	5.32E-07	5.74E-07	5.21E-07	2.38E-07	3.80E-07	1.02E-08	2.45E-07	5.41E-08	7.80E-08	1.24E-07	2.18E-08	2.51E-08	5.58E-07
3867	489863.09	3852877.25	9.10E-04	9.83E-04	1.57E-03	3.15E-07	9.51E-07	5.50E-07	5.95E-07	5.39E-07	2.46E-07	3.93E-07	1.05E-08	2.54E-07	5.60E-08	8.07E-08	1.28E-07	2.26E-08	2.60E-08	5.78E-07
3868	490363.09	3852877.25	1.12E-03	1.21E-03	1.93E-03	3.88E-07	1.17E-06	6.78E-07	7.33E-07	6.64E-07	3.03E-07	4.84E-07	1.30E-08	3.13E-07	6.91E-08	9.95E-08	1.58E-07	2.78E-08	3.19E-08	7.12E-07
3869	490863.09	3852877.25	1.22E-03	1.32E-03	2.11E-03	4.23E-07	1.28E-06	7.39E-07	7.99E-07	7.24E-07	3.30E-07	5.27E-07	1.41E-08	3.41E-07	7.53E-08	1.08E-07	1.72E-07	3.03E-08	3.48E-08	7.76E-07
3870	491363.09	3852877.25	1.30E-03	1.41E-03	2.24E-03	4.51E-07	1.36E-06	7.88E-07	8.51E-07	7.71E-07	3.52E-07	5.61E-07	1.50E-08	3.63E-07	8.02E-08	1.16E-07	1.83E-07	3.23E-08	3.70E-08	8.27E-07
3871	491863.09	3852877.25	1.33E-03	1.43E-03	2.29E-03	4.59E-07	1.39E-06	8.03E-07	8.67E-07	7.86E-07	3.59E-07	5.72E-07	1.53E-08	3.71E-07	8.18E-08	1.18E-07	1.87E-07	3.29E-08	3.77E-08	8.43E-07
3872	492363.09	3852877.25	1.36E-03	1.47E-03	2.35E-03	4.72E-07	1.42E-06	8.24E-07	8.90E-07	8.07E-07	3.68E-07	5.87E-07	1.57E-08	3.80E-07	8.39E-08	1.21E-07	1.92E-07	3.38E-08	3.87E-08	8.65E-07
3873	492863.09	3852877.25	1.45E-03	1.56E-03	2.49E-03	5.02E-07	1.51E-06	8.77E-07	9.47E-07	8.58E-07	3.92E-07	6.24E-07	1.67E-08	4.05E-07	8.93E-08	1.29E-07	2.04E-07	3.59E-08	4.12E-08	9.20E-07
3874	493363.09	3852877.25	1.50E-03	1.62E-03	2.59E-03	5.21E-07	1.57E-06	9.10E-07	9.83E-07	8.91E-07	4.07E-07	6.48E-07	1.74E-08	4.20E-07	9.27E-08	1.33E-07	2.12E-07	3.73E-08	4.28E-08	9.55E-07
3875	493863.09	3852877.25	1.49E-03	1.60E-03	2.56E-03	5.14E-07	1.55E-06	8.99E-07	9.71E-07	8.80E-07	4.02E-07	6.40E-07	1.72E-08	4.15E-07	9.16E-08	1.32E-07	2.09E-07	3.69E-08	4.22E-08	9.44E-07
3876	494363.09	3852877.25	1.47E-03	1.59E-03	2.54E-03	5.10E-07	1.54E-06	8.91E-07	9.62E-07	8.72E-07	3.98E-07	6.35E-07	1.70E-08	4.11E-07	9.07E-08	1.31E-07	2.07E-07	3.65E-08	4.19E-08	9.35E-07
3877	494863.09	3852877.25	1.48E-03	1.60E-03	2.55E-03	5.13E-07	1.55E-06	8.97E-07	9.69E-07	8.78E-07	4.01E-07	6.39E-07	1.71E-08	4.14E-07	9.13E-08	1.32E-07	2.09E-07	3.68E-08	4.22E-08	9.41E-07
3878	495363.09	3852877.25	1.41E-03	1.52E-03	2.42E-03	4.87E-07	1.47E-06	8.51E-07	9.19E-07	8.33E-07	3.80E-07	6.06E-07	1.63E-08	3.93E-07	8.66E-08	1.25E-07	1.98E-07	3.49E-08	4.00E-08	8.93E-07
3879	495863.09	3852877.25	1.33E-03	1.44E-03	2.29E-03	4.61E-07	1.39E-06	8.06E-07	8.70E-07	7.89E-07	3.60E-07	5.74E-07	1.54E-08	3.72E-07	8.20E-08	1.18E-07	1.87E-07	3.30E-08	3.79E-08	8.46E-07
3880	496363.09	3852877.25	1.31E-03	1.41E-03	2.25E-03	4.52E-07	1.36E-06	7.90E-07	8.53E-07	7.73E-07	3.53E-07	5.63E-07	1.51E-08	3.65E-07	8.04E-08	1.16E-07	1.84E-07	3.24E-08	3.71E-08	8.29E-07
3881	496863.09	3852877.25	1.25E-03	1.35E-03	2.15E-03	4.32E-07	1.30E-06	7.55E-07	8.15E-07	7.39E-07	3.37E-07	5.38E-07	1.44E-08	3.48E-07	7.69E-08	1.11E-07	1.76E-07	3.09E-08	3.55E-08	7.92E-07
3882	497363.09	3852877.25	1.08E-03	1.17E-03	1.87E-03	3.75E-07	1.13E-06	6.55E-07	7.08E-07	6.41E-07	2.93E-07	4.67E-07	1.25E-08	3.02E-07	6.67E-08	9.61E-08	1.52E-07	2.69E-08	3.08E-08	6.88E-07
3883	497863.09	3852877.25	8.50E-04	9.18E-04	1.47E-03	2.94E-07	8.88E-07	5.14E-07	5.56E-07	5.04E-07	2.30E-07	3.67E-07	9.83E-09	2.37E-07	5.24E-08	7.54E-08	1.20E-07	2.11E-08	2.42E-08	5.40E-07
3884	498363.09	3852877.25	8.03E-04	8.67E-04	1.38E-03	2.78E-07	8.39E-07	4.86E-07	5.25E-07	4.76E-07	2.17E-07	3.46E-07	9.28E-09	2.24E-07	4.95E-08	7.12E-08	1.13E-07	1.99E-08	2.29E-08	5.10E-07
3885	471363.09	3853377.25	2.88E-04	3.11E-04	4.95E-04	9.97E-08	3.01E-07	1.74E-07	1.88E-07	1.71E-07	7.78E-08	1.24E-07	3.33E-09	8.04E-08	1.77E-08	2.55E-08	4.05E-08	7.14E-09	8.17E-09	1.83E-07
3886	471863.09	3853377.25	3.15E-04	3.40E-04	5.41E-04	1.09E-07	3.29E-07	1.91E-07	2.06E-07	1.87E-07	8.51E-08	1.35E-07	3.64E-09	8.80E-08	1.94E-08	2.79E-08	4.43E-08	7.81E-09	8.93E-09	2.00E-07
3887	472363.09	3853377.25	3.45E-04	3.72E-04	5.92E-04	1.19E-07	3.60E-07	2.09E-07	2.25E-07	2.04E-07	9.32E-08	1.48E-07	3.99E-09	9.63E-08	2.12E-08	3.06E-08	4.85E-08	8.55E-09	9.78E-09	2.19E-07

3888	472863.09	3853377.25	3.76E-04	4.06E-04	6.45E-04	1.30E-07	3.93E-07	2.27E-07	2.46E-07	2.23E-07	1.02E-07	1.62E-07	4.35E-09	1.05E-07	2.32E-08	3.33E-08	5.29E-08	9.32E-09	1.07E-08	2.39E-07
3889	473363.09	3853377.25	4.02E-04	4.34E-04	6.90E-04	1.39E-07	4.20E-07	2.43E-07	2.63E-07	2.38E-07	1.09E-07	1.73E-07	4.65E-09	1.12E-07	2.48E-08	3.56E-08	5.65E-08	9.97E-09	1.14E-08	2.55E-07
3890	473863.09	3853377.25	4.32E-04	4.66E-04	7.41E-04	1.50E-07	4.51E-07	2.61E-07	2.82E-07	2.56E-07	1.17E-07	1.85E-07	4.99E-09	1.21E-07	2.66E-08	3.83E-08	6.08E-08	1.07E-08	1.22E-08	2.74E-07
3891	474363.09	3853377.25	4.62E-04	4.99E-04	7.93E-04	1.60E-07	4.83E-07	2.80E-07	3.02E-07	2.74E-07	1.25E-07	1.98E-07	5.34E-09	1.29E-07	2.85E-08	4.10E-08	6.50E-08	1.15E-08	1.31E-08	2.93E-07
3892	474863.09	3853377.25	4.59E-04	4.95E-04	7.86E-04	1.59E-07	4.80E-07	2.78E-07	3.00E-07	2.72E-07	1.24E-07	1.97E-07	5.30E-09	1.28E-07	2.83E-08	4.07E-08	6.45E-08	1.14E-08	1.30E-08	2.91E-07
3893	475363.09	3853377.25	4.66E-04	5.03E-04	7.98E-04	1.61E-07	4.87E-07	2.82E-07	3.04E-07	2.76E-07	1.26E-07	2.00E-07	5.38E-09	1.30E-07	2.87E-08	4.13E-08	6.55E-08	1.15E-08	1.32E-08	2.96E-07
3894	475863.09	3853377.25	4.68E-04	5.05E-04	8.01E-04	1.62E-07	4.89E-07	2.83E-07	3.05E-07	2.77E-07	1.26E-07	2.00E-07	5.40E-09	1.31E-07	2.88E-08	4.15E-08	6.58E-08	1.16E-08	1.32E-08	2.97E-07
3895	476363.09	3853377.25	4.34E-04	4.68E-04	7.43E-04	1.50E-07	4.53E-07	2.62E-07	2.83E-07	2.57E-07	1.17E-07	1.86E-07	5.01E-09	1.21E-07	2.67E-08	3.85E-08	6.10E-08	1.08E-08	1.23E-08	2.75E-07
3896	476863.09	3853377.25	3.73E-04	4.03E-04	6.41E-04	1.29E-07	3.90E-07	2.26E-07	2.44E-07	2.21E-07	1.01E-07	1.60E-07	4.31E-09	1.04E-07	2.30E-08	3.31E-08	5.25E-08	9.25E-09	1.06E-08	2.37E-07
3897	477363.09	3853377.25	3.71E-04	4.00E-04	6.37E-04	1.28E-07	3.88E-07	2.24E-07	2.42E-07	2.20E-07	1.00E-07	1.59E-07	4.29E-09	1.04E-07	2.29E-08	3.29E-08	5.22E-08	9.20E-09	1.05E-08	2.36E-07
3898	477863.09	3853377.25	3.88E-04	4.19E-04	6.67E-04	1.34E-07	4.06E-07	2.35E-07	2.54E-07	2.30E-07	1.05E-07	1.67E-07	4.49E-09	1.08E-07	2.39E-08	3.44E-08	5.46E-08	9.63E-09	1.10E-08	2.47E-07
3899	478363.09	3853377.25	3.52E-04	3.80E-04	6.06E-04	1.22E-07	3.68E-07	2.13E-07	2.30E-07	2.09E-07	9.52E-08	1.52E-07	4.07E-09	9.83E-08	2.17E-08	3.12E-08	4.96E-08	8.73E-09	1.00E-08	2.24E-07
3900	478863.09	3853377.25	2.95E-04	3.19E-04	5.11E-04	1.02E-07	3.09E-07	1.79E-07	1.93E-07	1.75E-07	7.99E-08	1.28E-07	3.42E-09	8.25E-08	1.82E-08	2.62E-08	4.16E-08	7.33E-09	8.43E-09	1.88E-07
3901	479363.09	3853377.25	4.65E-04	5.03E-04	8.01E-04	1.61E-07	4.86E-07	2.82E-07	3.04E-07	2.76E-07	1.26E-07	2.00E-07	5.38E-09	1.30E-07	2.87E-08	4.13E-08	6.55E-08	1.15E-08	1.32E-08	2.96E-07
3902	479863.09	3853377.25	7.10E-04	7.66E-04	1.22E-03	2.46E-07	7.42E-07	4.29E-07	4.64E-07	4.20E-07	1.92E-07	3.05E-07	8.20E-09	1.98E-07	4.37E-08	6.29E-08	9.98E-08	1.76E-08	2.01E-08	4.51E-07
3903	480363.09	3853377.25	1.36E-03	1.46E-03	2.32E-03	4.70E-07	1.42E-06	8.21E-07	8.86E-07	8.03E-07	3.66E-07	5.82E-07	1.57E-08	3.79E-07	8.36E-08	1.20E-07	1.91E-07	3.36E-08	3.84E-08	8.61E-07
3904	480863.09	3853377.25	1.39E-03	1.50E-03	2.38E-03	4.83E-07	1.46E-06	8.43E-07	9.10E-07	8.25E-07	3.76E-07	5.95E-07	1.61E-08	3.89E-07	8.59E-08	1.24E-07	1.96E-07	3.45E-08	3.93E-08	8.85E-07
3905	481363.09	3853377.25	2.08E-03	2.24E-03	3.55E-03	7.19E-07	2.17E-06	1.26E-06	1.36E-06	1.23E-06	5.61E-07	8.88E-07	2.40E-08	5.80E-07	1.28E-07	1.84E-07	2.92E-07	5.14E-08	5.85E-08	1.32E-06
3906	481863.09	3853377.25	2.91E-03	3.14E-03	4.94E-03	1.01E-06	3.04E-06	1.76E-06	1.90E-06	1.72E-06	7.86E-07	1.24E-06	3.37E-08	8.13E-07	1.79E-07	2.58E-07	4.09E-07	7.21E-08	8.15E-08	1.85E-06
3907	482363.09	3853377.25	3.72E-03	4.01E-03	6.24E-03	1.29E-06	3.89E-06	2.25E-06	2.43E-06	2.20E-06	1.00E-06	1.56E-06	4.30E-08	1.04E-06	2.29E-07	3.29E-07	5.22E-07	9.21E-08	1.03E-07	2.36E-06
3908	482863.09	3853377.25	3.88E-03	4.16E-03	6.22E-03	1.34E-06	4.06E-06	2.35E-06	2.52E-06	2.28E-06	1.04E-06	1.56E-06	4.49E-08	1.08E-06	2.39E-07	3.42E-07	5.42E-07	9.55E-08	1.03E-07	2.45E-06
3909	483363.09	3853377.25	3.25E-03	3.48E-03	5.15E-03	1.13E-06	3.40E-06	1.97E-06	2.10E-06	1.91E-06	8.70E-07	1.29E-06	3.76E-08	9.08E-07	2.00E-07	2.86E-07	4.53E-07	7.98E-08	8.50E-08	2.05E-06
3910	483863.09	3853377.25	2.69E-03	2.89E-03	4.39E-03	9.32E-07	2.81E-06	1.63E-06	1.75E-06	1.58E-06	7.23E-07	1.10E-06	3.11E-08	7.52E-07	1.66E-07	2.37E-07	3.76E-07	6.63E-08	7.25E-08	1.70E-06
3911	484363.09	3853377.25	2.65E-03	2.85E-03	4.44E-03	9.18E-07	2.77E-06	1.60E-06	1.73E-06	1.56E-06	7.14E-07	1.11E-06	3.06E-08	7.40E-07	1.63E-07	2.34E-07	3.72E-07	6.55E-08	7.33E-08	1.68E-06
3912	484863.09	3853377.25	2.07E-03	2.23E-03	3.52E-03	7.16E-07	2.16E-06	1.25E-06	1.35E-06	1.22E-06	5.58E-07	8.82E-07	2.39E-08	5.77E-07	1.27E-07	1.83E-07	2.91E-07	5.12E-08	5.82E-08	1.31E-06
3913	485363.09	3853377.25	1.49E-03	1.61E-03	2.58E-03	5.17E-07	1.56E-06	9.03E-07	9.76E-07	8.85E-07	4.04E-07	6.46E-07	1.73E-08	4.17E-07	9.20E-08	1.33E-07	2.10E-07	3.71E-08	4.26E-08	9.49E-07
3914	485863.09	3853377.25	1.26E-03	1.37E-03	2.20E-03	4.37E-07	1.32E-06	7.64E-07	8.26E-07	7.49E-07	3.42E-07	5.50E-07	1.46E-08	3.52E-07	7.78E-08	1.12E-07	1.78E-07	3.14E-08	3.63E-08	8.02E-07
3915	486363.09	3853377.25	1.37E-03	1.48E-03	2.38E-03	4.73E-07	1.43E-06	8.26E-07	8.94E-07	8.10E-07	3.70E-07	5.95E-07	1.58E-08	3.81E-07	8.41E-08	1.21E-07	1.92E-07	3.39E-08	3.92E-08	8.68E-07
3916	486863.09	3853377.25	1.43E-03	1.54E-03	2.48E-03	4.95E-07	1.49E-06	8.65E-07	9.35E-07	8.47E-07	3.87E-07	6.21E-07	1.65E-08	3.99E-07	8.80E-08	1.27E-07	2.01E-07	3.55E-08	4.10E-08	9.08E-07
3917	487363.09	3853377.25	1.54E-03	1.67E-03	2.67E-03	5.34E-07	1.61E-06	9.34E-07	1.01E-06	9.15E-07	4.17E-07	6.69E-07	1.78E-08	4.31E-07	9.51E-08	1.37E-07	2.17E-07	3.83E-08	4.41E-08	9.81E-07
3918	487863.09	3853377.25	1.62E-03	1.75E-03	2.79E-03	5.59E-07	1.69E-06	9.78E-07	1.06E-06	9.58E-07	4.37E-07	6.99E-07	1.87E-08	4.51E-07	9.96E-08	1.43E-07	2.28E-07	4.01E-08	4.61E-08	1.03E-06
3919	488363.09	3853377.25	1.71E-03	1.85E-03	2.96E-03	5.93E-07	1.79E-06	1.04E-06	1.12E-06	1.01E-06	4.63E-07	7.40E-07	1.98E-08	4.78E-07	1.06E-07	1.52E-07	2.41E-07	4.25E-08	4.88E-08	1.09E-06
3920	488863.09	3853377.25	1.72E-03	1.86E-03	2.97E-03	5.97E-07	1.80E-06	1.04E-06	1.13E-06	1.02E-06	4.66E-07	7.44E-07	1.99E-08	4.81E-07	1.06E-07	1.53E-07	2.43E-07	4.28E-08	4.91E-08	1.10E-06
3921	489363.09	3853377.25	1.73E-03	1.87E-03	2.98E-03	5.98E-07	1.81E-06	1.05E-06	1.13E-06	1.02E-06	4.67E-07	7.46E-07	2.00E-08	4.83E-07	1.07E-07	1.53E-07	2.43E-07	4.29E-08	4.92E-08	1.10E-06
3922	489863.09	3853377.25	1.68E-03	1.82E-03	2.90E-03	5.83E-07	1.76E-06	1.02E-06	1.10E-06	9.98E-07	4.55E-07	7.26E-07	1.95E-08	4.70E-07	1.04E-07	1.49E-07	2.37E-07	4.18E-08	4.79E-08	1.07E-06
3923	490363.09	3853377.25	1.78E-03	1.92E-03	3.07E-03	6.16E-07	1.86E-06	1.08E-06	1.16E-06	1.05E-06	4.81E-07	7.67E-07	2.06E-08	4.97E-07	1.10E-07	1.58E-07	2.51E-07	4.42E-08	5.06E-08	1.13E-06
3924	490863.09	3853377.25	1.83E-03	1.97E-03	3.14E-03	6.32E-07	1.91E-06	1.10E-06	1.19E-06	1.08E-06	4.94E-07	7.87E-07	2.11E-08	5.10E-07	1.13E-07	1.62E-07	2.57E-07	4.53E-08	5.19E-08	1.16E-06
3925	491363.09	3853377.25	1.87E-03	2.02E-03	3.22E-03	6.47E-07	1.95E-06	1.13E-06	1.22E-06	1.11E-06	5.06E-07	8.06E-07	2.16E-08	5.22E-07	1.15E-07	1.66E-07	2.63E-07	4.64E-08	5.31E-08	1.19E-06
3926	491863.09	3853377.25	1.90E-03	2.05E-03	3.27E-03	6.59E-07	1.99E-06	1.15E-06	1.24E-06	1.13E-06	5.14E-07	8.19E-07	2.20E-08	5.31E-07	1.17E-07	1.69E-07	2.68E-07	4.72E-08	5.41E-08	1.21E-06
3927	492363.09	3853377.25	1.98E-03	2.13E-03	3.40E-03	6.84E-07	2.07E-06	1.20E-06	1.29E-06	1.17E-06	5.34E-07	8.51E-07	2.28E-08	5.52E-07	1.22E-07	1.75E-07	2.78E-07	4.90E-08	5.61E-08	1.26E-06
3928	492863.09	3853377.25	2.04E-03	2.20E-03	3.51E-03	7.06E-07	2.13E-06	1.23E-06	1.33E-06	1.21E-06	5.51E-07	8.78E-07	2.36E-08	5.69E-07	1.26E-07	1.81E-07	2.87E-07	5.06E-08	5.79E-08	1.29E-06
3929	493363.09	3853377.25	2.03E-03	2.19E-03	3.49E-03	7.02E-07	2.12E-06	1.23E-06	1.33E-06	1.20E-06	5.48E-07	8.74E-07	2.35E-08	5.67E-07	1.25E-07	1.80E-07	2.86E-07	5.03E-08	5.77E-08	1.29E-06
3930	493863.09	3853377.25	1.99E-03	2.15E-03	3.43E-03	6.90E-07	2.08E-06	1.21E-06	1.30E-06	1.18E-06	5.39E-07	8.59E-07	2.30E-08	5.57E-07	1.23E-07	1.77E-07	2.81E-07	4.94E-08	5.67E-08	1.27E-06
3931	494363.09	3853377.25	1.90E-03	2.05E-03	3.28E-03	6.58E-07	1.99E-06	1.15E-06	1.24E-06	1.13E-06	5.14E-07	8.20E-07	2.20E-08	5.31E-07	1.17E-07	1.69E-07	2.68E-07	4.72E-08	5.41E-08	1.21E-06
3932	494863.09	3853377.25	1.78E-03	1.93E-03	3.07E-03	6.18E-07	1.86E-06	1.08E-06	1.17E-06	1.06E-06	4.82E-07	7.69E-07	2.06E-08	4.98E-07	1.10E-07	1.58E-07	2.51E-07	4.43E-08	5.07E-08	1.13E-06
3933	495363.09	3853377.25	1.72E-03	1.86E-03	2.97E-03	5.96E-07	1.80E-06	1.04E-06	1.13E-06	1.02E-06	4.66E-07	7.43E-07	1.99E-08	4.81E-07	1.06E-07	1.53E-07	2.42E-07	4.27E-08	4.90E-08	1.09E-06
3934	495863.09	3853377.25	1.63E-03	1.76E-03	2.81E-03	5.64E-07	1.70E-06	9.85E-07	1.06E-06	9.65E-07	4.40E-07	7.02E-07	1.88E-08	4.55E-07	1.00E-07	1.45E-07	2.29E-07	4.04E-08	4.63E-08	1.03E-06
3935	496363.09	3853377.25	1.50E-03	1.62E-03	2.59E-03	5.21E-07	1.57E-06	9.10E-07	9.83E-07	8.91E-07	4.07E-07	6.49E-07	1.74E-08	4.20E-07	9.27E-08	1.33E-07	2.12E-07	3.73E-08	4.28E-08	9.55E-07
3936	496863.09	3853377.25	1.33E-03	1.44E-03	2.29E-03	4.60E-07	1.39E-06	8.05E-07	8.69E-07	7.88E-07	3.59E-07	5.73E-07	1.54E-08	3.71E-07	8.19E-08	1.18E-07	1.87E-07	3.30E-08	3.78E-08	8.45E-07
3937	497363.09	3853377.25	1.13E-03	1.22E-03	1.94E-03	3.91E-07	1.18E-06	6.83E-07	7.37E-07	6.68E-07	3.05E-07	4.87E-07	1.30E-08	3.15E-07	6.95E-08	1.00E-07	1.59E-07	2.80E-08	3.21E-08	7.17E-07
3938	497863.09	3853377.25	7.99E-04	8.63E-04	1.38E-03	2.77E-07	8.35E-07	4.83E-07	5.22E-07	4.73E-07	2.16E-07	3.45E-07	9.24E-09	2.23E-07	4.92E-08	7.09E-08	1.12E-07	1.98E-08	2.27E-08	5.07E-07
3939	498363.09	3853377.25	6.47E-04	6.99E-04	1.12E-03	2.24E-07	6.76E-07	3.92E-07	4.23E-07	3.83E-07	1.75E-07	2.79E-07	7.48E-09	1.81E-07	3.99E-08	5.74E-08	9.11E-08	1.61E-08	1.84E-08	4.11E-07
3940	471363.09	3853877.25	2.99E-04	3.23E-04	5.14E-04	1.03E-07	3.12E-07	1.81E-07	1.95E-07	1.77E-07	8.08E-08	1.29E-07	3.46E-09	8.35E-08	1.84E-08	2.65E-08	4.21E-08	7.41E-09	8.48E-09	1.90E-07
3941	471863.09	3853877.25	3.29E-04	3.55E-04	5.65E-04	1.14E-07	3.44E-07	1.99E-07	2.15E-07	1.95E-07	8.88E-08	1.41E-07	3.80E-09	9.18E-08	2.02E-08	2.92E-08	4.62E-08	8.15E-09	9.32E-09	2.09E-07
3942	472363.09	3853877.25	3.48E-04	3.76E-04	5.99E-04	1.21E-07	3.64E-07	2.11E-07	2.28E-07	2.06E-07	9.41E-08	1.50E-07	4.03E-09	9.73E-08	2.15E-08	3.09E-08	4.90E-08	8.64E-09	9.88E-09	2.21E-07
3943	472863.09	3853877.25	3.75E-04	4.05E-04	6.44E-04	1.30E-07	3.92E-07	2.27E-07	2.45E-07	2.22E-07	1.01E-07	1.61E-07	4.33E-09	1.05E-07	2.31E-08	3.32E-08	5.27E-08	9.29E-09	1.06E-08	2.38E-07
3944	473363.09	3853877.25	3.93E-04	4.25E-04	6.76E-04	1.36E-07	4.11E-07	2.38E-07	2.57E-07	2.33E-07	1.06E-07	1.69E-07	4.55E-09	1.10E-07	2.42E-08	3.49E-08	5.53E-08	9.75E-09	1.12E-08	2.50E-07
3945	473863.09	3853877.25	4.15E-04	4.48E-04	7.13E-04	1.44E-07	4.34E-07	2.51E-07	2.71E-07	2.46E-07	1.12E-07	1.78E-07	4.80E-09	1.16E-07	2.56E-08	3.68E-08	5.84E-08	1.03E-08	1.18E-08	2.64E-07
3946	474363.09	3853877.25	4.47E-04	4.82E-04	7.67E-04	1.55E-07	4.67E-07	2.70E-07	2.92E-07	2.64E-07	1.21E-07	1.92E-07	5.16E-09	1.25E-07	2.75E-08	3.96E-08	6.28E-08	1.11E-08	1.27E-08	2.84E-07

3947	474863.09	3853877.25	4.73E-04	5.11E-04	8.12E-04	1.64E-07	4.94E-07	2.86E-07	3.09E-07	2.80E-07	1.28E-07	2.03E-07	5.47E-09	1.32E-07	2.91E-08	4.20E-08	6.66E-08	1.17E-08	1.34E-08	3.00E-07
3948	475363.09	3853877.25	4.63E-04	5.00E-04	7.94E-04	1.60E-07	4.84E-07	2.80E-07	3.02E-07	2.74E-07	1.25E-07	1.99E-07	5.35E-09	1.29E-07	2.85E-08	4.10E-08	6.51E-08	1.15E-08	1.31E-08	2.94E-07
3949	475863.09	3853877.25	4.04E-04	4.36E-04	6.93E-04	1.40E-07	4.22E-07	2.44E-07	2.64E-07	2.39E-07	1.09E-07	1.73E-07	4.67E-09	1.13E-07	2.49E-08	3.58E-08	5.68E-08	1.00E-08	1.14E-08	2.56E-07
3950	476363.09	3853877.25	3.51E-04	3.79E-04	6.04E-04	1.22E-07	3.67E-07	2.13E-07	2.30E-07	2.08E-07	9.49E-08	1.51E-07	4.06E-09	9.81E-08	2.16E-08	3.12E-08	4.94E-08	8.71E-09	9.97E-09	2.23E-07
3951	476863.09	3853877.25	2.92E-04	3.15E-04	5.03E-04	1.01E-07	3.05E-07	1.77E-07	1.91E-07	1.73E-07	7.90E-08	1.26E-07	3.38E-09	8.16E-08	1.80E-08	2.59E-08	4.11E-08	7.25E-09	8.31E-09	1.86E-07
3952	477363.09	3853877.25	3.19E-04	3.44E-04	5.49E-04	1.10E-07	3.33E-07	1.93E-07	2.08E-07	1.89E-07	8.61E-08	1.37E-07	3.68E-09	8.90E-08	1.96E-08	2.83E-08	4.49E-08	7.91E-09	9.06E-09	2.02E-07
3953	477863.09	3853877.25	3.65E-04	3.94E-04	6.28E-04	1.26E-07	3.82E-07	2.21E-07	2.39E-07	2.16E-07	9.87E-08	1.57E-07	4.22E-09	1.02E-07	2.25E-08	3.24E-08	5.14E-08	9.06E-09	1.04E-08	2.32E-07
3954	478363.09	3853877.25	3.91E-04	4.22E-04	6.72E-04	1.35E-07	4.08E-07	2.36E-07	2.55E-07	2.31E-07	1.06E-07	1.68E-07	4.51E-09	1.09E-07	2.41E-08	3.46E-08	5.50E-08	9.69E-09	1.11E-08	2.48E-07
3955	478863.09	3853877.25	3.06E-04	3.31E-04	5.29E-04	1.06E-07	3.20E-07	1.85E-07	2.00E-07	1.81E-07	8.27E-08	1.32E-07	3.54E-09	8.54E-08	1.89E-08	2.72E-08	4.31E-08	7.59E-09	8.73E-09	1.94E-07
3956	479363.09	3853877.25	4.09E-04	4.41E-04	7.05E-04	1.41E-07	4.27E-07	2.47E-07	2.67E-07	2.42E-07	1.10E-07	1.76E-07	4.72E-09	1.14E-07	2.52E-08	3.63E-08	5.75E-08	1.01E-08	1.16E-08	2.60E-07
3957	479863.09	3853877.25	7.26E-04	7.84E-04	1.25E-03	2.51E-07	7.59E-07	4.39E-07	4.74E-07	4.30E-07	1.96E-07	3.12E-07	8.39E-09	2.03E-07	4.47E-08	6.44E-08	1.02E-07	1.80E-08	2.06E-08	4.61E-07
3958	480363.09	3853877.25	1.10E-03	1.19E-03	1.88E-03	3.80E-07	1.15E-06	6.65E-07	7.17E-07	6.50E-07	2.97E-07	4.71E-07	1.27E-08	3.07E-07	6.77E-08	9.74E-08	1.54E-07	2.72E-08	3.11E-08	6.97E-07
3959	480863.09	3853877.25	1.99E-03	2.15E-03	3.41E-03	6.89E-07	2.08E-06	1.20E-06	1.30E-06	1.18E-06	5.37E-07	8.54E-07	2.30E-08	5.55E-07	1.23E-07	1.76E-07	2.80E-07	4.93E-08	5.63E-08	1.26E-06
3960	481363.09	3853877.25	2.85E-03	3.08E-03	4.90E-03	9.87E-07	2.98E-06	1.72E-06	1.86E-06	1.69E-06	7.70E-07	1.23E-06	3.30E-08	7.96E-07	1.76E-07	2.53E-07	4.01E-07	7.07E-08	8.10E-08	1.81E-06
3961	481863.09	3853877.25	4.10E-03	4.43E-03	7.05E-03	1.42E-06	4.28E-06	2.48E-06	2.68E-06	2.43E-06	1.11E-06	1.77E-06	4.74E-08	1.14E-06	2.53E-07	3.64E-07	5.77E-07	1.02E-07	1.16E-07	2.60E-06
3962	482363.09	3853877.25	6.10E-03	6.59E-03	1.05E-02	2.11E-06	6.38E-06	3.69E-06	3.99E-06	3.62E-06	1.65E-06	2.63E-06	7.06E-08	1.70E-06	3.76E-07	5.42E-07	8.59E-07	1.51E-07	1.73E-07	3.88E-06
3963	482863.09	3853877.25	2.88E-02	3.15E-02	5.46E-02	9.98E-06	3.01E-05	1.74E-05	1.91E-05	1.73E-05	7.89E-06	1.37E-05	3.33E-07	8.05E-06	1.78E-06	2.59E-06	4.11E-06	7.24E-07	9.01E-07	1.85E-05
3964	483363.09	3853877.25	1.11E-02	1.20E-02	1.93E-02	3.84E-06	1.16E-05	6.71E-06	7.26E-06	6.58E-06	3.00E-06	4.82E-06	1.28E-07	3.10E-06	6.83E-07	9.85E-07	1.56E-06	2.75E-07	3.18E-07	7.05E-06
3965	483863.09	3853877.25	7.82E-03	8.47E-03	1.37E-02	2.71E-06	8.18E-06	4.73E-06	5.12E-06	4.64E-06	2.12E-06	3.43E-06	9.04E-08	2.18E-06	4.82E-07	6.95E-07	1.10E-06	1.94E-07	2.26E-07	4.98E-06
3966	484363.09	3853877.25	5.25E-03	5.68E-03	9.21E-03	1.82E-06	5.48E-06	3.17E-06	3.44E-06	3.12E-06	1.42E-06	2.31E-06	6.06E-08	1.46E-06	3.23E-07	4.67E-07	7.40E-07	1.30E-07	1.52E-07	3.34E-06
3967	484863.09	3853877.25	3.62E-03	3.92E-03	6.38E-03	1.25E-06	3.79E-06	2.19E-06	2.37E-06	2.15E-06	9.82E-07	1.60E-06	4.19E-08	1.01E-06	2.23E-07	3.22E-07	5.11E-07	9.01E-08	1.05E-07	2.31E-06
3968	485363.09	3853877.25	2.54E-03	2.75E-03	4.48E-03	8.80E-07	2.66E-06	1.54E-06	1.67E-06	1.51E-06	6.89E-07	1.12E-06	2.94E-08	7.10E-07	1.57E-07	2.26E-07	3.59E-07	6.32E-08	7.39E-08	1.62E-06
3969	485863.09	3853877.25	2.73E-03	2.96E-03	4.78E-03	9.47E-07	2.86E-06	1.65E-06	1.79E-06	1.62E-06	7.41E-07	1.20E-06	3.16E-08	7.64E-07	1.69E-07	2.43E-07	3.86E-07	6.80E-08	7.89E-08	1.74E-06
3970	486363.09	3853877.25	2.67E-03	2.89E-03	4.64E-03	9.24E-07	2.79E-06	1.62E-06	1.75E-06	1.58E-06	7.23E-07	1.16E-06	3.09E-08	7.45E-07	1.65E-07	2.37E-07	3.76E-07	6.63E-08	7.66E-08	1.70E-06
3971	486863.09	3853877.25	2.54E-03	2.75E-03	4.40E-03	8.79E-07	2.65E-06	1.54E-06	1.66E-06	1.51E-06	6.87E-07	1.10E-06	2.94E-08	7.09E-07	1.57E-07	2.26E-07	3.58E-07	6.31E-08	7.27E-08	1.61E-06
3972	487363.09	3853877.25	2.61E-03	2.82E-03	4.51E-03	9.05E-07	2.73E-06	1.58E-06	1.71E-06	1.55E-06	7.07E-07	1.13E-06	3.02E-08	7.30E-07	1.61E-07	2.32E-07	3.68E-07	6.48E-08	7.45E-08	1.66E-06
3973	487863.09	3853877.25	2.85E-03	3.08E-03	4.91E-03	9.86E-07	2.98E-06	1.72E-06	1.86E-06	1.69E-06	7.70E-07	1.23E-06	3.29E-08	7.96E-07	1.76E-07	2.53E-07	4.01E-07	7.07E-08	8.10E-08	1.81E-06
3974	488363.09	3853877.25	2.90E-03	3.13E-03	4.99E-03	1.00E-06	3.03E-06	1.76E-06	1.90E-06	1.72E-06	7.84E-07	1.25E-06	3.35E-08	8.10E-07	1.79E-07	2.57E-07	4.08E-07	7.20E-08	8.24E-08	1.84E-06
3975	488863.09	3853877.25	3.03E-03	3.27E-03	5.21E-03	1.05E-06	3.17E-06	1.84E-06	1.98E-06	1.80E-06	8.20E-07	1.30E-06	3.51E-08	8.47E-07	1.87E-07	2.69E-07	4.27E-07	7.52E-08	8.61E-08	1.93E-06
3976	489363.09	3853877.25	2.84E-03	3.07E-03	4.88E-03	9.84E-07	2.97E-06	1.72E-06	1.86E-06	1.68E-06	7.68E-07	1.22E-06	3.28E-08	7.93E-07	1.75E-07	2.52E-07	4.00E-07	7.05E-08	8.06E-08	1.80E-06
3977	489863.09	3853877.25	2.85E-03	3.08E-03	4.90E-03	9.86E-07	2.98E-06	1.72E-06	1.86E-06	1.69E-06	7.70E-07	1.23E-06	3.29E-08	7.95E-07	1.76E-07	2.53E-07	4.01E-07	7.06E-08	8.08E-08	1.81E-06
3978	490363.09	3853877.25	2.76E-03	2.98E-03	4.75E-03	9.56E-07	2.89E-06	1.67E-06	1.80E-06	1.64E-06	7.46E-07	1.19E-06	3.19E-08	7.71E-07	1.70E-07	2.45E-07	3.89E-07	6.85E-08	7.84E-08	1.75E-06
3979	490863.09	3853877.25	2.74E-03	2.95E-03	4.70E-03	9.47E-07	2.86E-06	1.66E-06	1.79E-06	1.62E-06	7.39E-07	1.18E-06	3.16E-08	7.64E-07	1.69E-07	2.43E-07	3.85E-07	6.79E-08	7.76E-08	1.74E-06
3980	491363.09	3853877.25	2.72E-03	2.94E-03	4.68E-03	9.43E-07	2.85E-06	1.65E-06	1.78E-06	1.61E-06	7.36E-07	1.17E-06	3.15E-08	7.61E-07	1.68E-07	2.42E-07	3.83E-07	6.75E-08	7.73E-08	1.73E-06
3981	491863.09	3853877.25	2.70E-03	2.92E-03	4.64E-03	9.35E-07	2.82E-06	1.63E-06	1.76E-06	1.60E-06	7.30E-07	1.16E-06	3.12E-08	7.54E-07	1.66E-07	2.40E-07	3.80E-07	6.70E-08	7.67E-08	1.72E-06
3982	492363.09	3853877.25	2.77E-03	2.99E-03	4.76E-03	9.57E-07	2.89E-06	1.67E-06	1.81E-06	1.64E-06	7.48E-07	1.19E-06	3.20E-08	7.72E-07	1.70E-07	2.45E-07	3.89E-07	6.86E-08	7.86E-08	1.76E-06
3983	492863.09	3853877.25	2.76E-03	2.98E-03	4.75E-03	9.56E-07	2.89E-06	1.67E-06	1.80E-06	1.64E-06	7.46E-07	1.19E-06	3.19E-08	7.71E-07	1.70E-07	2.45E-07	3.89E-07	6.85E-08	7.85E-08	1.75E-06
3984	493363.09	3853877.25	2.66E-03	2.88E-03	4.58E-03	9.22E-07	2.78E-06	1.61E-06	1.74E-06	1.58E-06	7.20E-07	1.15E-06	3.08E-08	7.43E-07	1.64E-07	2.36E-07	3.75E-07	6.60E-08	7.57E-08	1.69E-06
3985	493863.09	3853877.25	2.53E-03	2.73E-03	4.36E-03	8.76E-07	2.64E-06	1.53E-06	1.65E-06	1.50E-06	6.84E-07	1.09E-06	2.92E-08	7.06E-07	1.56E-07	2.24E-07	3.56E-07	6.28E-08	7.19E-08	1.61E-06
3986	494363.09	3853877.25	2.42E-03	2.62E-03	4.18E-03	8.39E-07	2.53E-06	1.47E-06	1.58E-06	1.44E-06	6.55E-07	1.05E-06	2.80E-08	6.77E-07	1.49E-07	2.15E-07	3.41E-07	6.02E-08	6.90E-08	1.54E-06
3987	494863.09	3853877.25	2.27E-03	2.45E-03	3.91E-03	7.85E-07	2.37E-06	1.37E-06	1.48E-06	1.34E-06	6.13E-07	9.78E-07	2.62E-08	6.33E-07	1.40E-07	2.01E-07	3.19E-07	5.62E-08	6.45E-08	1.44E-06
3988	495363.09	3853877.25	1.97E-03	2.12E-03	3.39E-03	6.81E-07	2.06E-06	1.19E-06	1.29E-06	1.17E-06	5.32E-07	8.48E-07	2.27E-08	5.49E-07	1.21E-07	1.75E-07	2.77E-07	4.88E-08	5.59E-08	1.25E-06
3989	495863.09	3853877.25	1.74E-03	1.88E-03	3.00E-03	6.03E-07	1.82E-06	1.05E-06	1.14E-06	1.03E-06	4.71E-07	7.51E-07	2.01E-08	4.86E-07	1.07E-07	1.55E-07	2.45E-07	4.32E-08	4.95E-08	1.11E-06
3990	496363.09	3853877.25	1.60E-03	1.73E-03	2.75E-03	5.53E-07	1.67E-06	9.67E-07	1.04E-06	9.46E-07	4.32E-07	6.89E-07	1.85E-08	4.46E-07	9.84E-08	1.42E-07	2.25E-07	3.96E-08	4.54E-08	1.01E-06
3991	496863.09	3853877.25	1.37E-03	1.47E-03	2.35E-03	4.73E-07	1.43E-06	8.26E-07	8.92E-07	8.09E-07	3.69E-07	5.89E-07	1.58E-08	3.81E-07	8.41E-08	1.21E-07	1.92E-07	3.39E-08	3.88E-08	8.67E-07
3992	497363.09	3853877.25	1.18E-03	1.28E-03	2.04E-03	4.10E-07	1.24E-06	7.17E-07	7.74E-07	7.02E-07	3.20E-07	5.11E-07	1.37E-08	3.31E-07	7.30E-08	1.05E-07	1.67E-07	2.94E-08	3.37E-08	7.53E-07
3993	497863.09	3853877.25	9.58E-04	1.03E-03	1.65E-03	3.32E-07	1.00E-06	5.80E-07	6.26E-07	5.68E-07	2.59E-07	4.13E-07	1.11E-08	2.67E-07	5.90E-08	8.50E-08	1.35E-07	2.38E-08	2.73E-08	6.08E-07
3994	498363.09	3853877.25	8.27E-04	8.93E-04	1.43E-03	2.86E-07	8.64E-07	5.00E-07	5.40E-07	4.90E-07	2.24E-07	3.57E-07	9.56E-09	2.31E-07	5.10E-08	7.34E-08	1.16E-07	2.05E-08	2.35E-08	5.25E-07
3995	471363.09	3854377.25	3.10E-04	3.35E-04	5.33E-04	1.07E-07	3.24E-07	1.88E-07	2.03E-07	1.84E-07	8.38E-08	1.33E-07	3.59E-09	8.66E-08	1.91E-08	2.75E-08	4.37E-08	7.69E-09	8.80E-09	1.97E-07
3996	471863.09	3854377.25	3.42E-04	3.69E-04	5.87E-04	1.18E-07	3.57E-07	2.07E-07	2.23E-07	2.02E-07	9.24E-08	1.47E-07	3.95E-09	9.54E-08	2.11E-08	3.03E-08	4.81E-08	8.48E-09	9.69E-09	2.17E-07
3997	472363.09	3854377.25	3.65E-04	3.94E-04	6.26E-04	1.26E-07	3.81E-07	2.21E-07	2.38E-07	2.16E-07	9.85E-08	1.57E-07	4.21E-09	1.02E-07	2.25E-08	3.23E-08	5.13E-08	9.04E-09	1.03E-08	2.31E-07
3998	472863.09	3854377.25	3.82E-04	4.12E-04	6.55E-04	1.32E-07	3.99E-07	2.31E-07	2.49E-07	2.26E-07	1.03E-07	1.64E-07	4.41E-09	1.07E-07	2.35E-08	3.38E-08	5.37E-08	9.46E-09	1.08E-08	2.42E-07
3999	473363.09	3854377.25	4.07E-04	4.39E-04	6.98E-04	1.41E-07	4.25E-07	2.46E-07	2.66E-07	2.41E-07	1.10E-07	1.75E-07	4.70E-09	1.14E-07	2.51E-08	3.61E-08	5.72E-08	1.01E-08	1.15E-08	2.58E-07
4000	473863.09	3854377.25	4.39E-04	4.74E-04	7.52E-04	1.52E-07	4.59E-07	2.65E-07	2.87E-07	2.60E-07	1.19E-07	1.88E-07	5.07E-09	1.22E-07	2.70E-08	3.89E-08	6.17E-08	1.09E-08	1.24E-08	2.79E-07
4001	474363.09	3854377.25	4.73E-04	5.11E-04	8.12E-04	1.64E-07	4.95E-07	2.86E-07	3.09E-07	2.80E-07	1.28E-07	2.03E-07	5.47E-09	1.32E-07	2.92E-08	4.20E-08	6.66E-08	1.17E-08	1.34E-08	3.00E-07
4002	474863.09	3854377.25	4.56E-04	4.92E-04	7.82E-04	1.58E-07	4.76E-07	2.76E-07	2.98E-07	2.70E-07	1.23E-07	1.96E-07	5.27E-09	1.27E-07	2.81E-08	4.04E-08	6.41E-08	1.13E-08	1.29E-08	2.89E-07
4003	475363.09	3854377.25	3.98E-04	4.30E-04	6.83E-04	1.38E-07	4.16E-07	2.41E-07	2.60E-07	2.36E-07	1.08E-07	1.71E-07	4.60E-09	1.11E-07	2.45E-08	3.53E-08	5.60E-08	9.87E-09	1.13E-08	2.53E-07
4004	475863.09	3854377.25	2.95E-04	3.19E-04	5.08E-04	1.02E-07	3.09E-07	1.79E-07	1.93E-07	1.75E-07	7.98E-08	1.27E-07	3.41E-09	8.25E-08	1.82E-08	2.62E-08	4.16E-08	7.33E-09	8.39E-09	1.88E-07
4005	476363.09	3854377.25	2.78E-04	3.00E-04	4.78E-04	9.61E-08	2.90E-07	1.68E-07	1.82E-07	1.65E-07	7.51E-08	1.20E-07	3.21E-09	7.76E-08	1.71E-08	2.46E-08	3.91E-08	6.89E-09	7.89E-09	1.76E-07

4006	476863.09	3854377.25	2.77E-04	3.00E-04	4.78E-04	9.60E-08	2.90E-07	1.68E-07	1.81E-07	1.64E-07	7.50E-08	1.20E-07	3.21E-09	7.74E-08	1.71E-08	2.46E-08	3.90E-08	6.88E-09	7.89E-09	1.76E-07
4007	477363.09	3854377.25	2.84E-04	3.06E-04	4.89E-04	9.82E-08	2.96E-07	1.72E-07	1.85E-07	1.68E-07	7.67E-08	1.22E-07	3.28E-09	7.92E-08	1.75E-08	2.52E-08	3.99E-08	7.04E-09	8.07E-09	1.80E-07
4008	477863.09	3854377.25	2.96E-04	3.20E-04	5.10E-04	1.02E-07	3.09E-07	1.79E-07	1.93E-07	1.75E-07	8.00E-08	1.28E-07	3.42E-09	8.26E-08	1.82E-08	2.63E-08	4.16E-08	7.34E-09	8.42E-09	1.88E-07
4009	478363.09	3854377.25	3.45E-04	3.72E-04	5.94E-04	1.19E-07	3.60E-07	2.09E-07	2.25E-07	2.04E-07	9.32E-08	1.49E-07	3.98E-09	9.63E-08	2.12E-08	3.06E-08	4.85E-08	8.55E-09	9.80E-09	2.19E-07
4010	478863.09	3854377.25	3.80E-04	4.10E-04	6.54E-04	1.32E-07	3.97E-07	2.30E-07	2.48E-07	2.25E-07	1.03E-07	1.64E-07	4.39E-09	1.06E-07	2.34E-08	3.37E-08	5.35E-08	9.43E-09	1.08E-08	2.41E-07
4011	479363.09	3854377.25	5.63E-04	6.08E-04	9.68E-04	1.95E-07	5.89E-07	3.41E-07	3.68E-07	3.34E-07	1.52E-07	2.42E-07	6.51E-09	1.57E-07	3.47E-08	5.00E-08	7.93E-08	1.40E-08	1.60E-08	3.58E-07
4012	479863.09	3854377.25	7.36E-04	7.95E-04	1.26E-03	2.55E-07	7.70E-07	4.46E-07	4.81E-07	4.36E-07	1.99E-07	3.16E-07	8.51E-09	2.06E-07	4.54E-08	6.53E-08	1.04E-07	1.83E-08	2.08E-08	4.68E-07
4013	480363.09	3854377.25	1.06E-03	1.15E-03	1.82E-03	3.68E-07	1.11E-06	6.44E-07	6.95E-07	6.30E-07	2.87E-07	4.55E-07	1.23E-08	2.97E-07	6.56E-08	9.43E-08	1.50E-07	2.64E-08	3.00E-08	6.75E-07
4014	480863.09	3854377.25	1.81E-03	1.96E-03	3.09E-03	6.28E-07	1.90E-06	1.10E-06	1.18E-06	1.07E-06	4.90E-07	7.74E-07	2.10E-08	5.06E-07	1.12E-07	1.61E-07	2.55E-07	4.49E-08	5.11E-08	1.15E-06
4015	481363.09	3854377.25	3.06E-03	3.30E-03	5.24E-03	1.06E-06	3.20E-06	1.85E-06	2.00E-06	1.81E-06	8.27E-07	1.31E-06	3.54E-08	8.55E-07	1.89E-07	2.71E-07	4.31E-07	7.59E-08	8.66E-08	1.94E-06
4016	481863.09	3854377.25	5.49E-03	5.93E-03	9.51E-03	1.90E-06	5.74E-06	3.32E-06	3.59E-06	3.25E-06	1.48E-06	2.38E-06	6.34E-08	1.53E-06	3.38E-07	4.87E-07	7.73E-07	1.36E-07	1.57E-07	3.49E-06
4017	482363.09	3854377.25	8.76E-03	9.48E-03	1.54E-02	3.03E-06	9.15E-06	5.30E-06	5.74E-06	5.20E-06	2.37E-06	3.84E-06	1.01E-07	2.45E-06	5.40E-07	7.79E-07	1.24E-06	2.18E-07	2.53E-07	5.57E-06
4018	482863.09	3854377.25	3.48E-02	3.78E-02	6.29E-02	1.21E-05	3.64E-05	2.11E-05	2.29E-05	2.08E-05	9.47E-06	1.57E-05	4.03E-07	9.72E-06	2.15E-06	3.11E-06	4.93E-06	8.69E-07	1.04E-06	2.22E-05
4019	483363.09	3854377.25	3.77E-02	4.11E-02	7.02E-02	1.30E-05	3.94E-05	2.28E-05	2.49E-05	2.25E-05	1.03E-05	1.76E-05	4.35E-07	1.05E-05	2.32E-06	3.38E-06	5.36E-06	9.44E-07	1.16E-06	2.41E-05
4020	483863.09	3854377.25	1.56E-02	1.69E-02	2.80E-02	5.40E-06	1.63E-05	9.43E-06	1.02E-05	9.28E-06	4.24E-06	7.00E-06	1.80E-07	4.35E-06	9.60E-07	1.39E-06	2.21E-06	3.89E-07	4.62E-07	9.94E-06
4021	484363.09	3854377.25	9.01E-03	9.76E-03	1.59E-02	3.12E-06	9.41E-06	5.45E-06	5.91E-06	5.35E-06	2.44E-06	3.99E-06	1.04E-07	2.51E-06	5.55E-07	8.02E-07	1.27E-06	2.24E-07	2.63E-07	5.73E-06
4022	484863.09	3854377.25	6.13E-03	6.64E-03	1.08E-02	2.12E-06	6.41E-06	3.71E-06	4.02E-06	3.64E-06	1.66E-06	2.69E-06	7.09E-08	1.71E-06	3.78E-07	5.45E-07	8.65E-07	1.52E-07	1.78E-07	3.90E-06
4023	485363.09	3854377.25	6.55E-03	7.08E-03	1.13E-02	2.27E-06	6.84E-06	3.96E-06	4.28E-06	3.88E-06	1.77E-06	2.84E-06	7.57E-08	1.83E-06	4.03E-07	5.81E-07	9.22E-07	1.63E-07	1.87E-07	4.16E-06
4024	485863.09	3854377.25	5.11E-03	5.52E-03	8.83E-03	1.77E-06	5.34E-06	3.09E-06	3.34E-06	3.03E-06	1.38E-06	2.21E-06	5.91E-08	1.43E-06	3.15E-07	4.54E-07	7.20E-07	1.27E-07	1.46E-07	3.25E-06
4025	486363.09	3854377.25	5.08E-03	5.49E-03	8.74E-03	1.76E-06	5.31E-06	3.08E-06	3.32E-06	3.01E-06	1.37E-06	2.19E-06	5.88E-08	1.42E-06	3.13E-07	4.51E-07	7.15E-07	1.26E-07	1.44E-07	3.23E-06
4026	486863.09	3854377.25	4.60E-03	4.97E-03	7.90E-03	1.59E-06	4.81E-06	2.78E-06	3.01E-06	2.72E-06	1.24E-06	1.98E-06	5.32E-08	1.28E-06	2.84E-07	4.08E-07	6.47E-07	1.14E-07	1.30E-07	2.92E-06
4027	487363.09	3854377.25	4.58E-03	4.94E-03	7.84E-03	1.58E-06	4.78E-06	2.77E-06	2.99E-06	2.71E-06	1.24E-06	1.96E-06	5.29E-08	1.28E-06	2.82E-07	4.06E-07	6.44E-07	1.13E-07	1.30E-07	2.90E-06
4028	487863.09	3854377.25	4.72E-03	5.10E-03	8.09E-03	1.63E-06	4.94E-06	2.86E-06	3.08E-06	2.80E-06	1.28E-06	2.02E-06	5.46E-08	1.32E-06	2.91E-07	4.19E-07	6.64E-07	1.17E-07	1.34E-07	3.00E-06
4029	488363.09	3854377.25	4.71E-03	5.08E-03	8.07E-03	1.63E-06	4.92E-06	2.85E-06	3.07E-06	2.79E-06	1.27E-06	2.02E-06	5.44E-08	1.31E-06	2.90E-07	4.17E-07	6.62E-07	1.17E-07	1.33E-07	2.99E-06
4030	488863.09	3854377.25	4.65E-03	5.02E-03	7.98E-03	1.61E-06	4.86E-06	2.82E-06	3.04E-06	2.75E-06	1.26E-06	2.00E-06	5.38E-08	1.30E-06	2.87E-07	4.13E-07	6.55E-07	1.15E-07	1.32E-07	2.95E-06
4031	489363.09	3854377.25	4.53E-03	4.89E-03	7.77E-03	1.57E-06	4.73E-06	2.74E-06	2.96E-06	2.68E-06	1.22E-06	1.94E-06	5.23E-08	1.26E-06	2.79E-07	4.01E-07	6.37E-07	1.12E-07	1.28E-07	2.87E-06
4032	489863.09	3854377.25	4.34E-03	4.69E-03	7.46E-03	1.50E-06	4.54E-06	2.63E-06	2.84E-06	2.57E-06	1.17E-06	1.87E-06	5.02E-08	1.21E-06	2.68E-07	3.85E-07	6.11E-07	1.08E-07	1.23E-07	2.76E-06
4033	490363.09	3854377.25	4.11E-03	4.44E-03	7.06E-03	1.42E-06	4.30E-06	2.49E-06	2.68E-06	2.43E-06	1.11E-06	1.77E-06	4.75E-08	1.15E-06	2.53E-07	3.65E-07	5.78E-07	1.02E-07	1.17E-07	2.61E-06
4034	490863.09	3854377.25	3.38E-03	3.64E-03	5.79E-03	1.17E-06	3.53E-06	2.04E-06	2.20E-06	2.00E-06	9.12E-07	1.45E-06	3.90E-08	9.42E-07	2.08E-07	2.99E-07	4.75E-07	8.37E-08	9.57E-08	2.14E-06
4035	491363.09	3854377.25	3.61E-03	3.89E-03	6.20E-03	1.25E-06	3.77E-06	2.18E-06	2.36E-06	2.14E-06	9.75E-07	1.55E-06	4.17E-08	1.01E-06	2.22E-07	3.20E-07	5.08E-07	8.95E-08	1.02E-07	2.29E-06
4036	491863.09	3854377.25	3.74E-03	4.04E-03	6.43E-03	1.30E-06	3.91E-06	2.26E-06	2.44E-06	2.22E-06	1.01E-06	1.61E-06	4.32E-08	1.04E-06	2.31E-07	3.32E-07	5.27E-07	9.28E-08	1.06E-07	2.38E-06
4037	492363.09	3854377.25	3.71E-03	4.01E-03	6.39E-03	1.29E-06	3.88E-06	2.25E-06	2.43E-06	2.20E-06	1.00E-06	1.60E-06	4.29E-08	1.04E-06	2.29E-07	3.29E-07	5.23E-07	9.21E-08	1.06E-07	2.36E-06
4038	492863.09	3854377.25	3.56E-03	3.84E-03	6.13E-03	1.23E-06	3.72E-06	2.15E-06	2.33E-06	2.11E-06	9.62E-07	1.53E-06	4.11E-08	9.94E-07	2.19E-07	3.16E-07	5.01E-07	8.83E-08	1.01E-07	2.26E-06
4039	493363.09	3854377.25	3.34E-03	3.61E-03	5.75E-03	1.16E-06	3.49E-06	2.02E-06	2.18E-06	1.98E-06	9.03E-07	1.44E-06	3.86E-08	9.32E-07	2.06E-07	2.96E-07	4.70E-07	8.28E-08	9.49E-08	2.12E-06
4040	493863.09	3854377.25	3.12E-03	3.37E-03	5.37E-03	1.08E-06	3.26E-06	1.89E-06	2.04E-06	1.85E-06	8.43E-07	1.34E-06	3.60E-08	8.71E-07	1.92E-07	2.77E-07	4.39E-07	7.73E-08	8.87E-08	1.98E-06
4041	494363.09	3854377.25	2.91E-03	3.15E-03	5.02E-03	1.01E-06	3.04E-06	1.76E-06	1.90E-06	1.73E-06	7.87E-07	1.26E-06	3.37E-08	8.13E-07	1.79E-07	2.58E-07	4.10E-07	7.23E-08	8.28E-08	1.85E-06
4042	494863.09	3854377.25	2.39E-03	2.58E-03	4.11E-03	8.27E-07	2.50E-06	1.44E-06	1.56E-06	1.41E-06	6.46E-07	1.03E-06	2.76E-08	6.67E-07	1.47E-07	2.12E-07	3.36E-07	5.92E-08	6.79E-08	1.52E-06
4043	495363.09	3854377.25	1.92E-03	2.07E-03	3.30E-03	6.64E-07	2.00E-06	1.16E-06	1.25E-06	1.14E-06	5.18E-07	8.26E-07	2.22E-08	5.36E-07	1.18E-07	1.70E-07	2.70E-07	4.76E-08	5.45E-08	1.22E-06
4044	495863.09	3854377.25	1.63E-03	1.76E-03	2.80E-03	5.63E-07	1.70E-06	9.84E-07	1.06E-06	9.63E-07	4.39E-07	7.01E-07	1.88E-08	4.54E-07	1.00E-07	1.44E-07	2.29E-07	4.03E-08	4.62E-08	1.03E-06
4045	496363.09	3854377.25	1.48E-03	1.60E-03	2.56E-03	5.14E-07	1.55E-06	8.98E-07	9.70E-07	8.79E-07	4.01E-07	6.39E-07	1.72E-08	4.14E-07	9.14E-08	1.32E-07	2.09E-07	3.68E-08	4.22E-08	9.42E-07
4046	496863.09	3854377.25	1.31E-03	1.41E-03	2.25E-03	4.53E-07	1.37E-06	7.92E-07	8.55E-07	7.75E-07	3.54E-07	5.64E-07	1.51E-08	3.65E-07	8.07E-08	1.16E-07	1.84E-07	3.25E-08	3.72E-08	8.31E-07
4047	497363.09	3854377.25	1.06E-03	1.14E-03	1.82E-03	3.66E-07	1.11E-06	6.40E-07	6.91E-07	6.27E-07	2.86E-07	4.56E-07	1.22E-08	2.95E-07	6.52E-08	9.39E-08	1.49E-07	2.62E-08	3.01E-08	6.72E-07
4048	497863.09	3854377.25	1.07E-03	1.16E-03	1.85E-03	3.71E-07	1.12E-06	6.49E-07	7.01E-07	6.35E-07	2.90E-07	4.62E-07	1.24E-08	2.99E-07	6.61E-08	9.52E-08	1.51E-07	2.66E-08	3.05E-08	6.81E-07
4049	498363.09	3854377.25	9.36E-04	1.01E-03	1.61E-03	3.24E-07	9.78E-07	5.66E-07	6.12E-07	5.54E-07	2.53E-07	4.03E-07	1.08E-08	2.61E-07	5.77E-08	8.30E-08	1.32E-07	2.32E-08	2.66E-08	5.94E-07
4050	471363.09	3854877.25	3.16E-04	3.41E-04	5.42E-04	1.09E-07	3.30E-07	1.91E-07	2.06E-07	1.87E-07	8.54E-08	1.36E-07	3.65E-09	8.82E-08	1.95E-08	2.80E-08	4.44E-08	7.83E-09	8.95E-09	2.01E-07
4051	471863.09	3854877.25	3.42E-04	3.69E-04	5.86E-04	1.18E-07	3.57E-07	2.07E-07	2.23E-07	2.02E-07	9.24E-08	1.47E-07	3.95E-09	9.55E-08	2.11E-08	3.03E-08	4.81E-08	8.48E-09	9.68E-09	2.17E-07
4052	472363.09	3854877.25	3.65E-04	3.94E-04	6.26E-04	1.26E-07	3.81E-07	2.21E-07	2.38E-07	2.16E-07	9.86E-08	1.57E-07	4.22E-09	1.02E-07	2.25E-08	3.24E-08	5.13E-08	9.05E-09	1.03E-08	2.32E-07
4053	472863.09	3854877.25	3.76E-04	4.06E-04	6.45E-04	1.30E-07	3.93E-07	2.28E-07	2.46E-07	2.23E-07	1.02E-07	1.61E-07	4.35E-09	1.05E-07	2.32E-08	3.33E-08	5.29E-08	9.32E-09	1.07E-08	2.39E-07
4054	473363.09	3854877.25	4.13E-04	4.46E-04	7.08E-04	1.43E-07	4.31E-07	2.50E-07	2.70E-07	2.44E-07	1.12E-07	1.77E-07	4.77E-09	1.15E-07	2.54E-08	3.66E-08	5.81E-08	1.02E-08	1.17E-08	2.62E-07
4055	473863.09	3854877.25	4.50E-04	4.86E-04	7.72E-04	1.56E-07	4.70E-07	2.72E-07	2.94E-07	2.66E-07	1.22E-07	1.93E-07	5.20E-09	1.26E-07	2.77E-08	3.99E-08	6.33E-08	1.12E-08	1.27E-08	2.86E-07
4056	474363.09	3854877.25	4.98E-04	5.38E-04	8.55E-04	1.72E-07	5.21E-07	3.01E-07	3.25E-07	2.95E-07	1.35E-07	2.14E-07	5.76E-09	1.39E-07	3.07E-08	4.42E-08	7.01E-08	1.24E-08	1.41E-08	3.16E-07
4057	474863.09	3854877.25	4.18E-04	4.51E-04	7.16E-04	1.45E-07	4.37E-07	2.53E-07	2.73E-07	2.47E-07	1.13E-07	1.79E-07	4.83E-09	1.17E-07	2.57E-08	3.70E-08	5.88E-08	1.04E-08	1.18E-08	2.65E-07
4058	475363.09	3854877.25	3.35E-04	3.62E-04	5.75E-04	1.16E-07	3.50E-07	2.03E-07	2.19E-07	1.98E-07	9.06E-08	1.44E-07	3.88E-09	9.36E-08	2.07E-08	2.97E-08	4.72E-08	8.31E-09	9.49E-09	2.13E-07
4059	475863.09	3854877.25	2.69E-04	2.90E-04	4.61E-04	9.30E-08	2.81E-07	1.63E-07	1.75E-07	1.59E-07	7.26E-08	1.15E-07	3.10E-09	7.50E-08	1.65E-08	2.38E-08	3.78E-08	6.66E-09	7.62E-09	1.71E-07
4060	476363.09	3854877.25	1.94E-04	2.09E-04	3.34E-04	6.71E-08	2.02E-07	1.17E-07	1.27E-07	1.15E-07	5.24E-08	8.36E-08	2.24E-09	5.41E-08	1.19E-08	1.72E-08	2.73E-08	4.81E-09	5.52E-09	1.23E-07
4061	476863.09	3854877.25	1.96E-04	2.12E-04	3.39E-04	6.80E-08	2.05E-07	1.19E-07	1.28E-07	1.16E-07	5.31E-08	8.48E-08	2.27E-09	5.48E-08	1.21E-08	1.74E-08	2.76E-08	4.87E-09	5.59E-09	1.25E-07
4062	477363.09	3854877.25	2.37E-04	2.55E-04	4.08E-04	8.19E-08	2.47E-07	1.43E-07	1.55E-07	1.40E-07	6.39E-08	1.02E-07	2.73E-09	6.60E-08	1.46E-08	2.10E-08	3.33E-08	5.87E-09	6.73E-09	1.50E-07
4063	477863.09	3854877.25	2.77E-04	2.99E-04	4.77E-04	9.59E-08	2.89E-07	1.68E-07	1.81E-07	1.64E-07	7.49E-08	1.19E-07	3.20E-09	7.73E-08	1.71E-08	2.46E-08	3.90E-08	6.87E-09	7.87E-09	1.76E-07
4064	478363.09	3854877.25	3.66E-04	3.96E-04	6.30E-04	1.27E-07	3.83E-07	2.22E-07	2.39E-07	2.17E-07	9.90E-08	1.58E-07	4.24E-09	1.02E-07	2.26E-08	3.25E-08	5.16E-08	9.09E-09	1.04E-08	2.33E-07

4065	478863.09	3854877.25	5.14E-04	5.54E-04	8.81E-04	1.78E-07	5.37E-07	3.11E-07	3.35E-07	3.04E-07	1.39E-07	2.20E-07	5.94E-09	1.43E-07	3.16E-08	4.55E-08	7.23E-08	1.27E-08	1.45E-08	3.26E-07
4066	479363.09	3854877.25	7.25E-04	7.83E-04	1.24E-03	2.51E-07	7.58E-07	4.39E-07	4.74E-07	4.29E-07	1.96E-07	3.11E-07	8.38E-09	2.03E-07	4.47E-08	6.43E-08	1.02E-07	1.80E-08	2.05E-08	4.60E-07
4067	479863.09	3854877.25	1.02E-03	1.10E-03	1.74E-03	3.53E-07	1.07E-06	6.17E-07	6.66E-07	6.03E-07	2.75E-07	4.36E-07	1.18E-08	2.85E-07	6.28E-08	9.04E-08	1.43E-07	2.53E-08	2.87E-08	6.47E-07
4068	480363.09	3854877.25	1.38E-03	1.49E-03	2.35E-03	4.78E-07	1.44E-06	8.36E-07	9.02E-07	8.17E-07	3.73E-07	5.89E-07	1.60E-08	3.86E-07	8.51E-08	1.22E-07	1.94E-07	3.42E-08	3.89E-08	8.76E-07
4069	480863.09	3854877.25	2.24E-03	2.42E-03	3.82E-03	7.76E-07	2.34E-06	1.36E-06	1.46E-06	1.33E-06	6.05E-07	9.57E-07	2.59E-08	6.26E-07	1.38E-07	1.99E-07	3.15E-07	5.55E-08	6.31E-08	1.42E-06
4070	481363.09	3854877.25	3.19E-03	3.44E-03	5.44E-03	1.10E-06	3.33E-06	1.93E-06	2.08E-06	1.89E-06	8.60E-07	1.36E-06	3.68E-08	8.90E-07	1.96E-07	2.82E-07	4.48E-07	7.90E-08	8.99E-08	2.02E-06
4071	481863.09	3854877.25	3.55E-03	3.83E-03	6.04E-03	1.23E-06	3.71E-06	2.15E-06	2.32E-06	2.10E-06	9.58E-07	1.51E-06	4.10E-08	9.91E-07	2.19E-07	3.14E-07	4.99E-07	8.79E-08	9.97E-08	2.25E-06
4072	482363.09	3854877.25	9.14E-03	9.88E-03	1.59E-02	3.16E-06	9.55E-06	5.53E-06	5.98E-06	5.42E-06	2.47E-06	3.97E-06	1.06E-07	2.55E-06	5.63E-07	8.11E-07	1.29E-06	2.27E-07	2.62E-07	5.81E-06
4073	482863.09	3854877.25	1.88E-02	2.03E-02	3.27E-02	6.50E-06	1.96E-05	1.14E-05	1.23E-05	1.11E-05	5.08E-06	8.18E-06	2.17E-07	5.24E-06	1.16E-06	1.67E-06	2.65E-06	4.67E-07	5.40E-07	1.19E-05
4074	483363.09	3854877.25	1.06E-01	1.15E-01	1.90E-01	3.68E-05	1.11E-04	6.44E-05	6.99E-05	6.33E-05	2.89E-05	4.75E-05	1.23E-06	2.97E-05	6.56E-06	9.48E-06	1.50E-05	2.65E-06	3.13E-06	6.78E-05
4075	483863.09	3854877.25	9.44E-02	1.01E-01	1.55E-01	3.27E-05	9.87E-05	5.71E-05	6.13E-05	5.56E-05	2.54E-05	3.87E-05	1.09E-06	2.64E-05	5.82E-06	8.32E-06	1.32E-05	2.33E-06	2.55E-06	5.97E-05
4076	484363.09	3854877.25	3.09E-02	3.32E-02	5.14E-02	1.07E-05	3.23E-05	1.87E-05	2.01E-05	1.82E-05	8.32E-06	1.29E-05	3.57E-07	8.63E-06	1.90E-06	2.73E-06	4.33E-06	7.63E-07	8.48E-07	1.96E-05
4077	484863.09	3854877.25	1.95E-02	2.10E-02	3.29E-02	6.76E-06	2.04E-05	1.18E-05	1.27E-05	1.15E-05	5.26E-06	8.22E-06	2.26E-07	5.45E-06	1.20E-06	1.73E-06	2.74E-06	4.83E-07	5.42E-07	1.24E-05
4078	485363.09	3854877.25	1.45E-02	1.57E-02	2.46E-02	5.03E-06	1.52E-05	8.80E-06	9.48E-06	8.59E-06	3.92E-06	6.15E-06	1.68E-07	4.06E-06	8.96E-07	1.29E-06	2.04E-06	3.60E-07	4.06E-07	9.22E-06
4079	485863.09	3854877.25	1.13E-02	1.22E-02	1.91E-02	3.91E-06	1.18E-05	6.83E-06	7.36E-06	6.67E-06	3.04E-06	4.79E-06	1.30E-07	3.15E-06	6.95E-07	9.99E-07	1.59E-06	2.79E-07	3.16E-07	7.16E-06
4080	486363.09	3854877.25	9.20E-03	9.92E-03	1.57E-02	3.19E-06	9.62E-06	5.57E-06	6.00E-06	5.44E-06	2.48E-06	3.92E-06	1.06E-07	2.57E-06	5.67E-07	8.15E-07	1.29E-06	2.28E-07	2.58E-07	5.84E-06
4081	486863.09	3854877.25	7.95E-03	8.58E-03	1.35E-02	2.75E-06	8.31E-06	4.81E-06	5.19E-06	4.70E-06	2.15E-06	3.39E-06	9.19E-08	2.22E-06	4.90E-07	7.05E-07	1.12E-06	1.97E-07	2.24E-07	5.05E-06
4082	487363.09	3854877.25	7.63E-03	8.24E-03	1.30E-02	2.64E-06	7.98E-06	4.62E-06	4.98E-06	4.52E-06	2.06E-06	3.26E-06	8.83E-08	2.13E-06	4.70E-07	6.77E-07	1.07E-06	1.89E-07	2.15E-07	4.84E-06
4083	487863.09	3854877.25	7.35E-03	7.93E-03	1.26E-02	2.55E-06	7.69E-06	4.45E-06	4.80E-06	4.35E-06	1.99E-06	3.14E-06	8.50E-08	2.05E-06	4.53E-07	6.52E-07	1.03E-06	1.82E-07	2.07E-07	4.67E-06
4084	488363.09	3854877.25	7.13E-03	7.69E-03	1.22E-02	2.47E-06	7.45E-06	4.31E-06	4.65E-06	4.22E-06	1.92E-06	3.05E-06	8.24E-08	1.99E-06	4.39E-07	6.32E-07	1.00E-06	1.77E-07	2.01E-07	4.52E-06
4085	488863.09	3854877.25	6.98E-03	7.53E-03	1.20E-02	2.42E-06	7.30E-06	4.22E-06	4.56E-06	4.13E-06	1.89E-06	3.00E-06	8.07E-08	1.95E-06	4.30E-07	6.19E-07	9.82E-07	1.73E-07	1.98E-07	4.43E-06
4086	489363.09	3854877.25	6.61E-03	7.14E-03	1.14E-02	2.29E-06	6.91E-06	4.00E-06	4.32E-06	3.92E-06	1.79E-06	2.84E-06	7.64E-08	1.85E-06	4.07E-07	5.87E-07	9.30E-07	1.64E-07	1.87E-07	4.20E-06
4087	489863.09	3854877.25	5.97E-03	6.45E-03	1.03E-02	2.07E-06	6.24E-06	3.61E-06	3.90E-06	3.54E-06	1.61E-06	2.57E-06	6.90E-08	1.67E-06	3.68E-07	5.30E-07	8.40E-07	1.48E-07	1.69E-07	3.79E-06
4088	490363.09	3854877.25	4.50E-03	4.86E-03	7.72E-03	1.56E-06	4.71E-06	2.72E-06	2.94E-06	2.67E-06	1.22E-06	1.93E-06	5.20E-08	1.26E-06	2.77E-07	3.99E-07	6.33E-07	1.12E-07	1.27E-07	2.86E-06
4089	490863.09	3854877.25	3.29E-03	3.55E-03	5.64E-03	1.14E-06	3.44E-06	1.99E-06	2.15E-06	1.95E-06	8.89E-07	1.41E-06	3.80E-08	9.19E-07	2.03E-07	2.92E-07	4.63E-07	8.16E-08	9.32E-08	2.09E-06
4090	491363.09	3854877.25	3.46E-03	3.74E-03	5.94E-03	1.20E-06	3.62E-06	2.10E-06	2.26E-06	2.05E-06	9.36E-07	1.49E-06	4.00E-08	9.67E-07	2.13E-07	3.07E-07	4.87E-07	8.59E-08	9.81E-08	2.20E-06
4091	491863.09	3854877.25	4.80E-03	5.18E-03	8.26E-03	1.66E-06	5.02E-06	2.90E-06	3.14E-06	2.84E-06	1.30E-06	2.07E-06	5.55E-08	1.34E-06	2.96E-07	4.26E-07	6.76E-07	1.19E-07	1.36E-07	3.05E-06
4092	492363.09	3854877.25	4.70E-03	5.07E-03	8.09E-03	1.63E-06	4.91E-06	2.84E-06	3.07E-06	2.78E-06	1.27E-06	2.03E-06	5.43E-08	1.31E-06	2.89E-07	4.17E-07	6.61E-07	1.17E-07	1.34E-07	2.98E-06
4093	492863.09	3854877.25	4.38E-03	4.73E-03	7.55E-03	1.52E-06	4.58E-06	2.65E-06	2.86E-06	2.60E-06	1.18E-06	1.89E-06	5.07E-08	1.22E-06	2.70E-07	3.89E-07	6.17E-07	1.09E-07	1.25E-07	2.78E-06
4094	493363.09	3854877.25	4.01E-03	4.33E-03	6.91E-03	1.39E-06	4.19E-06	2.42E-06	2.62E-06	2.37E-06	1.08E-06	1.73E-06	4.63E-08	1.12E-06	2.47E-07	3.56E-07	5.64E-07	9.94E-08	1.14E-07	2.55E-06
4095	493863.09	3854877.25	3.70E-03	4.00E-03	6.38E-03	1.28E-06	3.87E-06	2.24E-06	2.42E-06	2.19E-06	1.00E-06	1.60E-06	4.28E-08	1.03E-06	2.28E-07	3.28E-07	5.21E-07	9.18E-08	1.05E-07	2.35E-06
4096	494363.09	3854877.25	2.86E-03	3.09E-03	4.92E-03	9.90E-07	2.99E-06	1.73E-06	1.87E-06	1.69E-06	7.73E-07	1.23E-06	3.31E-08	7.99E-07	1.76E-07	2.54E-07	4.03E-07	7.09E-08	8.13E-08	1.82E-06
4097	494863.09	3854877.25	2.13E-03	2.30E-03	3.66E-03	7.37E-07	2.23E-06	1.29E-06	1.39E-06	1.26E-06	5.75E-07	9.17E-07	2.46E-08	5.94E-07	1.31E-07	1.89E-07	3.00E-07	5.28E-08	6.05E-08	1.35E-06
4098	495363.09	3854877.25	1.72E-03	1.86E-03	2.96E-03	5.96E-07	1.80E-06	1.04E-06	1.13E-06	1.02E-06	4.65E-07	7.42E-07	1.99E-08	4.81E-07	1.06E-07	1.53E-07	2.42E-07	4.27E-08	4.89E-08	1.09E-06
4099	495863.09	3854877.25	1.50E-03	1.62E-03	2.58E-03	5.18E-07	1.56E-06	9.06E-07	9.78E-07	8.87E-07	4.05E-07	6.45E-07	1.73E-08	4.18E-07	9.23E-08	1.33E-07	2.11E-07	3.71E-08	4.25E-08	9.51E-07
4100	496363.09	3854877.25	1.22E-03	1.32E-03	2.11E-03	4.24E-07	1.28E-06	7.41E-07	8.00E-07	7.25E-07	3.31E-07	5.27E-07	1.42E-08	3.42E-07	7.55E-08	1.09E-07	1.72E-07	3.04E-08	3.48E-08	7.78E-07
4101	496863.09	3854877.25	1.06E-03	1.14E-03	1.82E-03	3.67E-07	1.11E-06	6.41E-07	6.92E-07	6.28E-07	2.86E-07	4.56E-07	1.22E-08	2.96E-07	6.53E-08	9.40E-08	1.49E-07	2.63E-08	3.01E-08	6.73E-07
4102	497363.09	3854877.25	1.00E-03	1.08E-03	1.72E-03	3.46E-07	1.04E-06	6.05E-07	6.53E-07	5.92E-07	2.70E-07	4.31E-07	1.16E-08	2.79E-07	6.16E-08	8.87E-08	1.41E-07	2.48E-08	2.84E-08	6.35E-07
4103	497863.09	3854877.25	1.07E-03	1.15E-03	1.84E-03	3.70E-07	1.12E-06	6.47E-07	6.99E-07	6.33E-07	2.89E-07	4.61E-07	1.24E-08	2.99E-07	6.59E-08	9.49E-08	1.51E-07	2.65E-08	3.04E-08	6.79E-07
4104	498363.09	3854877.25	1.03E-03	1.11E-03	1.77E-03	3.55E-07	1.07E-06	6.21E-07	6.71E-07	6.08E-07	2.78E-07	4.42E-07	1.19E-08	2.87E-07	6.33E-08	9.11E-08	1.45E-07	2.55E-08	2.92E-08	6.52E-07
4105	471363.09	3855377.25	3.21E-04	3.46E-04	5.50E-04	1.11E-07	3.35E-07	1.94E-07	2.10E-07	1.90E-07	8.67E-08	1.38E-07	3.71E-09	8.96E-08	1.98E-08	2.85E-08	4.51E-08	7.96E-09	9.08E-09	2.04E-07
4106	471863.09	3855377.25	3.37E-04	3.64E-04	5.78E-04	1.17E-07	3.52E-07	2.04E-07	2.20E-07	1.99E-07	9.10E-08	1.45E-07	3.89E-09	9.41E-08	2.08E-08	2.99E-08	4.74E-08	8.35E-09	9.53E-09	2.14E-07
4107	472363.09	3855377.25	3.67E-04	3.96E-04	6.29E-04	1.27E-07	3.83E-07	2.22E-07	2.39E-07	2.17E-07	9.90E-08	1.57E-07	4.24E-09	1.02E-07	2.26E-08	3.25E-08	5.16E-08	9.09E-09	1.04E-08	2.33E-07
4108	472863.09	3855377.25	3.84E-04	4.15E-04	6.59E-04	1.33E-07	4.02E-07	2.33E-07	2.51E-07	2.28E-07	1.04E-07	1.65E-07	4.44E-09	1.07E-07	2.37E-08	3.41E-08	5.41E-08	9.53E-09	1.09E-08	2.44E-07
4109	473363.09	3855377.25	4.28E-04	4.62E-04	7.35E-04	1.48E-07	4.48E-07	2.59E-07	2.80E-07	2.54E-07	1.16E-07	1.84E-07	4.95E-09	1.20E-07	2.64E-08	3.80E-08	6.03E-08	1.06E-08	1.21E-08	2.72E-07
4110	473863.09	3855377.25	4.67E-04	5.05E-04	8.02E-04	1.62E-07	4.89E-07	2.83E-07	3.05E-07	2.77E-07	1.26E-07	2.01E-07	5.40E-09	1.31E-07	2.88E-08	4.15E-08	6.58E-08	1.16E-08	1.32E-08	2.97E-07
4111	474363.09	3855377.25	5.03E-04	5.43E-04	8.64E-04	1.74E-07	5.26E-07	3.05E-07	3.29E-07	2.98E-07	1.36E-07	2.16E-07	5.82E-09	1.41E-07	3.10E-08	4.46E-08	7.08E-08	1.25E-08	1.43E-08	3.20E-07
4112	474863.09	3855377.25	4.33E-04	4.67E-04	7.43E-04	1.50E-07	4.53E-07	2.62E-07	2.83E-07	2.56E-07	1.17E-07	1.86E-07	5.01E-09	1.21E-07	2.67E-08	3.84E-08	6.09E-08	1.07E-08	1.23E-08	2.75E-07
4113	475363.09	3855377.25	2.31E-04	2.49E-04	3.96E-04	7.99E-08	2.41E-07	1.40E-07	1.51E-07	1.37E-07	6.24E-08	9.92E-08	2.67E-09	6.45E-08	1.42E-08	2.05E-08	3.25E-08	5.73E-09	6.54E-09	1.47E-07
4114	475863.09	3855377.25	1.87E-04	2.02E-04	3.22E-04	6.48E-08	1.96E-07	1.13E-07	1.22E-07	1.11E-07	5.06E-08	8.05E-08	2.16E-09	5.22E-08	1.15E-08	1.66E-08	2.63E-08	4.64E-09	5.31E-09	1.19E-07
4115	476363.09	3855377.25	2.19E-04	2.36E-04	3.76E-04	7.57E-08	2.29E-07	1.32E-07	1.43E-07	1.30E-07	5.91E-08	9.41E-08	2.53E-09	6.11E-08	1.35E-08	1.94E-08	3.08E-08	5.43E-09	6.21E-09	1.39E-07
4116	476863.09	3855377.25	2.19E-04	2.37E-04	3.76E-04	7.58E-08	2.29E-07	1.33E-07	1.43E-07	1.30E-07	5.92E-08	9.42E-08	2.53E-09	6.12E-08	1.35E-08	1.94E-08	3.08E-08	5.43E-09	6.21E-09	1.39E-07
4117	477363.09	3855377.25	2.45E-04	2.65E-04	4.21E-04	8.48E-08	2.56E-07	1.48E-07	1.60E-07	1.45E-07	6.62E-08	1.05E-07	2.83E-09	6.84E-08	1.51E-08	2.17E-08	3.45E-08	6.08E-09	6.95E-09	1.56E-07
4118	477863.09	3855377.25	3.15E-04	3.40E-04	5.41E-04	1.09E-07	3.30E-07	1.91E-07	2.06E-07	1.87E-07	8.52E-08	1.35E-07	3.64E-09	8.80E-08	1.94E-08	2.80E-08	4.44E-08	7.82E-09	8.92E-09	2.00E-07
4119	478363.09	3855377.25	4.06E-04	4.38E-04	6.96E-04	1.41E-07	4.25E-07	2.46E-07	2.65E-07	2.41E-07	1.10E-07	1.74E-07	4.70E-09	1.13E-07	2.50E-08	3.60E-08	5.71E-08	1.01E-08	1.15E-08	2.58E-07
4120	478863.09	3855377.25	5.15E-04	5.56E-04	8.82E-04	1.78E-07	5.38E-07	3.12E-07	3.36E-07	3.05E-07	1.39E-07	2.21E-07	5.95E-09	1.44E-07	3.17E-08	4.56E-08	7.24E-08	1.28E-08	1.46E-08	3.27E-07
4121	479363.09	3855377.25	6.98E-04	7.54E-04	1.19E-03	2.42E-07	7.30E-07	4.23E-07	4.56E-07	4.13E-07	1.89E-07	2.99E-07	8.07E-09	1.95E-07	4.30E-08	6.19E-08	9.82E-08	1.73E-08	1.97E-08	4.43E-07
4122	479863.09	3855377.25	9.27E-04	1.00E-03	1.58E-03	3.21E-07	9.69E-07	5.61E-07	6.05E-07	5.49E-07	2.50E-07	3.96E-07	1.07E-08	2.59E-07	5.71E-08	8.22E-08	1.30E-07	2.30E-08	2.61E-08	5.88E-07
4123	480363.09	3855377.25	1.43E-03	1.55E-03	2.44E-03	4.96E-07	1.50E-06	8.67E-07	9.35E-07	8.48E-07	3.87E-07	6.11E-07	1.66E-08	4.00E-07	8.83E-08	1.27E-07	2.01E-07	3.55E-08	4.03E-08	9.09E-07

4124	480863.09	3855377.25	2.47E-03	2.67E-03	4.22E-03	8.55E-07	2.58E-06	1.50E-06	1.61E-06	1.46E-06	6.67E-07	1.06E-06	2.86E-08	6.90E-07	1.52E-07	2.19E-07	3.47E-07	6.12E-08	6.97E-08	1.57E-06
4125	481363.09	3855377.25	4.05E-03	4.38E-03	6.95E-03	1.40E-06	4.24E-06	2.45E-06	2.65E-06	2.40E-06	1.10E-06	1.74E-06	4.69E-08	1.13E-06	2.50E-07	3.59E-07	5.70E-07	1.01E-07	1.15E-07	2.57E-06
4126	481863.09	3855377.25	5.87E-03	6.34E-03	1.01E-02	2.03E-06	6.14E-06	3.55E-06	3.84E-06	3.48E-06	1.59E-06	2.53E-06	6.79E-08	1.64E-06	3.62E-07	5.21E-07	8.26E-07	1.46E-07	1.67E-07	3.73E-06
4127	482363.09	3855377.25	7.99E-03	8.63E-03	1.37E-02	2.77E-06	8.35E-06	4.84E-06	5.22E-06	4.73E-06	2.16E-06	3.44E-06	9.24E-08	2.23E-06	4.92E-07	7.09E-07	1.12E-06	1.98E-07	2.27E-07	5.07E-06
4128	482863.09	3855377.25	1.21E-02	1.30E-02	2.06E-02	4.17E-06	1.26E-05	7.30E-06	7.88E-06	7.14E-06	3.26E-06	5.17E-06	1.39E-07	3.37E-06	7.43E-07	1.07E-06	1.70E-06	2.99E-07	3.41E-07	7.66E-06
4129	483363.09	3855377.25	2.02E-02	2.18E-02	3.42E-02	7.00E-06	2.11E-05	1.22E-05	1.32E-05	1.20E-05	5.45E-06	8.57E-06	2.34E-07	5.65E-06	1.25E-06	1.79E-06	2.84E-06	5.01E-07	5.65E-07	1.28E-05
4130	483863.09	3855377.25	8.45E-02	9.11E-02	1.43E-01	2.93E-05	8.84E-05	5.12E-05	5.51E-05	5.00E-05	2.28E-05	3.59E-05	9.77E-07	2.36E-05	5.21E-06	7.49E-06	1.19E-05	2.09E-06	2.36E-06	5.36E-05
4131	484363.09	3855377.25	1.19E-01	1.27E-01	1.95E-01	4.11E-05	1.24E-04	7.18E-05	7.71E-05	6.99E-05	3.19E-05	4.88E-05	1.37E-06	3.32E-05	7.32E-06	1.05E-05	1.66E-05	2.93E-06	3.22E-06	7.51E-05
4132	484863.09	3855377.25	5.39E-02	5.80E-02	9.01E-02	1.86E-05	5.63E-05	3.26E-05	3.51E-05	3.18E-05	1.45E-05	2.25E-05	6.22E-07	1.50E-05	3.32E-06	4.76E-06	7.55E-06	1.33E-06	1.49E-06	3.41E-05
4133	485363.09	3855377.25	3.11E-02	3.35E-02	5.24E-02	1.08E-05	3.25E-05	1.88E-05	2.03E-05	1.84E-05	8.39E-06	1.31E-05	3.60E-07	8.69E-06	1.92E-06	2.75E-06	4.37E-06	7.70E-07	8.65E-07	1.97E-05
4134	485863.09	3855377.25	2.21E-02	2.39E-02	3.75E-02	7.66E-06	2.31E-05	1.34E-05	1.44E-05	1.31E-05	5.97E-06	9.38E-06	2.56E-07	6.18E-06	1.36E-06	1.96E-06	3.11E-06	5.48E-07	6.19E-07	1.40E-05
4135	486363.09	3855377.25	1.61E-02	1.74E-02	2.74E-02	5.58E-06	1.69E-05	9.76E-06	1.05E-05	9.54E-06	4.35E-06	6.85E-06	1.86E-07	4.50E-06	9.94E-07	1.43E-06	2.27E-06	3.99E-07	4.52E-07	1.02E-05
4136	486863.09	3855377.25	1.27E-02	1.37E-02	2.16E-02	4.39E-06	1.32E-05	7.67E-06	8.27E-06	7.49E-06	3.42E-06	5.40E-06	1.46E-07	3.54E-06	7.81E-07	1.12E-06	1.78E-06	3.14E-07	3.56E-07	8.04E-06
4137	487363.09	3855377.25	1.18E-02	1.27E-02	2.01E-02	4.08E-06	1.23E-05	7.14E-06	7.70E-06	6.98E-06	3.19E-06	5.04E-06	1.36E-07	3.29E-06	7.27E-07	1.05E-06	1.66E-06	2.92E-07	3.33E-07	7.49E-06
4138	487863.09	3855377.25	1.10E-02	1.19E-02	1.89E-02	3.81E-06	1.15E-05	6.66E-06	7.19E-06	6.52E-06	2.97E-06	4.72E-06	1.27E-07	3.07E-06	6.79E-07	9.76E-07	1.55E-06	2.73E-07	3.11E-07	6.99E-06
4139	488363.09	3855377.25	1.03E-02	1.12E-02	1.78E-02	3.58E-06	1.08E-05	6.26E-06	6.76E-06	6.13E-06	2.80E-06	4.44E-06	1.20E-07	2.89E-06	6.38E-07	9.18E-07	1.46E-06	2.57E-07	2.93E-07	6.57E-06
4140	488863.09	3855377.25	9.71E-03	1.05E-02	1.67E-02	3.36E-06	1.01E-05	5.87E-06	6.34E-06	5.75E-06	2.62E-06	4.17E-06	1.12E-07	2.71E-06	5.98E-07	8.61E-07	1.37E-06	2.41E-07	2.75E-07	6.16E-06
4141	489363.09	3855377.25	8.97E-03	9.69E-03	1.54E-02	3.11E-06	9.38E-06	5.43E-06	5.86E-06	5.31E-06	2.42E-06	3.86E-06	1.04E-07	2.51E-06	5.53E-07	7.96E-07	1.26E-06	2.23E-07	2.55E-07	5.70E-06
4142	489863.09	3855377.25	8.10E-03	8.75E-03	1.39E-02	2.81E-06	8.47E-06	4.90E-06	5.30E-06	4.80E-06	2.19E-06	3.49E-06	9.37E-08	2.26E-06	4.99E-07	7.19E-07	1.14E-06	2.01E-07	2.30E-07	5.15E-06
4143	490363.09	3855377.25	7.69E-03	8.31E-03	1.32E-02	2.66E-06	8.04E-06	4.65E-06	5.03E-06	4.56E-06	2.08E-06	3.31E-06	8.89E-08	2.15E-06	4.74E-07	6.82E-07	1.08E-06	1.91E-07	2.19E-07	4.88E-06
4144	490863.09	3855377.25	4.98E-03	5.37E-03	8.54E-03	1.72E-06	5.20E-06	3.01E-06	3.25E-06	2.95E-06	1.34E-06	2.14E-06	5.75E-08	1.39E-06	3.07E-07	4.41E-07	7.00E-07	1.23E-07	1.41E-07	3.16E-06
4145	491363.09	3855377.25	4.24E-03	4.57E-03	7.27E-03	1.47E-06	4.43E-06	2.56E-06	2.77E-06	2.51E-06	1.14E-06	1.82E-06	4.90E-08	1.18E-06	2.61E-07	3.76E-07	5.96E-07	1.05E-07	1.20E-07	2.69E-06
4146	491863.09	3855377.25	5.90E-03	6.38E-03	1.02E-02	2.04E-06	6.17E-06	3.57E-06	3.86E-06	3.50E-06	1.60E-06	2.55E-06	6.83E-08	1.65E-06	3.64E-07	5.24E-07	8.31E-07	1.46E-07	1.68E-07	3.75E-06
4147	492363.09	3855377.25	5.64E-03	6.09E-03	9.72E-03	1.95E-06	5.89E-06	3.41E-06	3.69E-06	3.34E-06	1.52E-06	2.43E-06	6.52E-08	1.57E-06	3.47E-07	5.00E-07	7.94E-07	1.40E-07	1.61E-07	3.58E-06
4148	492863.09	3855377.25	5.16E-03	5.58E-03	8.90E-03	1.79E-06	5.39E-06	3.12E-06	3.37E-06	3.06E-06	1.40E-06	2.23E-06	5.97E-08	1.44E-06	3.18E-07	4.58E-07	7.27E-07	1.28E-07	1.47E-07	3.28E-06
4149	493363.09	3855377.25	4.46E-03	4.82E-03	7.69E-03	1.55E-06	4.67E-06	2.70E-06	2.92E-06	2.64E-06	1.21E-06	1.93E-06	5.16E-08	1.25E-06	2.75E-07	3.96E-07	6.28E-07	1.11E-07	1.27E-07	2.84E-06
4150	493863.09	3855377.25	3.45E-03	3.72E-03	5.93E-03	1.19E-06	3.60E-06	2.09E-06	2.25E-06	2.04E-06	9.32E-07	1.49E-06	3.98E-08	9.63E-07	2.12E-07	3.06E-07	4.85E-07	8.55E-08	9.80E-08	2.19E-06
4151	494363.09	3855377.25	2.57E-03	2.78E-03	4.43E-03	8.90E-07	2.69E-06	1.56E-06	1.68E-06	1.52E-06	6.95E-07	1.11E-06	2.97E-08	7.18E-07	1.58E-07	2.28E-07	3.62E-07	6.38E-08	7.31E-08	1.63E-06
4152	494863.09	3855377.25	1.91E-03	2.07E-03	3.29E-03	6.63E-07	2.00E-06	1.16E-06	1.25E-06	1.13E-06	5.17E-07	8.24E-07	2.21E-08	5.34E-07	1.18E-07	1.70E-07	2.69E-07	4.75E-08	5.44E-08	1.22E-06
4153	495363.09	3855377.25	1.51E-03	1.63E-03	2.59E-03	5.21E-07	1.57E-06	9.11E-07	9.84E-07	8.92E-07	4.07E-07	6.48E-07	1.74E-08	4.21E-07	9.28E-08	1.34E-07	2.12E-07	3.74E-08	4.28E-08	9.57E-07
4154	495863.09	3855377.25	1.25E-03	1.35E-03	2.14E-03	4.31E-07	1.30E-06	7.54E-07	8.14E-07	7.38E-07	3.37E-07	5.36E-07	1.44E-08	3.48E-07	7.68E-08	1.11E-07	1.75E-07	3.09E-08	3.54E-08	7.91E-07
4155	496363.09	3855377.25	1.17E-03	1.26E-03	2.01E-03	4.04E-07	1.22E-06	7.07E-07	7.63E-07	6.92E-07	3.16E-07	5.03E-07	1.35E-08	3.26E-07	7.20E-08	1.04E-07	1.64E-07	2.90E-08	3.32E-08	7.42E-07
4156	496863.09	3855377.25	1.11E-03	1.20E-03	1.91E-03	3.84E-07	1.16E-06	6.71E-07	7.25E-07	6.57E-07	3.00E-07	4.78E-07	1.28E-08	3.10E-07	6.84E-08	9.85E-08	1.56E-07	2.75E-08	3.15E-08	7.05E-07
4157	497363.09	3855377.25	1.09E-03	1.18E-03	1.88E-03	3.78E-07	1.14E-06	6.61E-07	7.14E-07	6.48E-07	2.95E-07	4.71E-07	1.26E-08	3.05E-07	6.74E-08	9.70E-08	1.54E-07	2.71E-08	3.10E-08	6.94E-07
4158	497863.09	3855377.25	1.12E-03	1.21E-03	1.92E-03	3.87E-07	1.17E-06	6.77E-07	7.31E-07	6.63E-07	3.02E-07	4.82E-07	1.29E-08	3.12E-07	6.89E-08	9.93E-08	1.57E-07	2.77E-08	3.18E-08	7.10E-07
4159	498363.09	3855377.25	1.16E-03	1.25E-03	1.99E-03	4.00E-07	1.21E-06	6.99E-07	7.55E-07	6.84E-07	3.12E-07	4.98E-07	1.34E-08	3.23E-07	7.12E-08	1.02E-07	1.63E-07	2.87E-08	3.28E-08	7.34E-07
4160	471363.09	3855877.25	3.30E-04	3.56E-04	5.66E-04	1.14E-07	3.45E-07	2.00E-07	2.16E-07	1.95E-07	8.92E-08	1.42E-07	3.82E-09	9.22E-08	2.03E-08	2.93E-08	4.64E-08	8.18E-09	9.34E-09	2.10E-07
4161	471863.09	3855877.25	3.46E-04	3.74E-04	5.93E-04	1.20E-07	3.62E-07	2.10E-07	2.26E-07	2.05E-07	9.35E-08	1.49E-07	4.00E-09	9.67E-08	2.13E-08	3.07E-08	4.87E-08	8.58E-09	9.80E-09	2.20E-07
4162	472363.09	3855877.25	3.84E-04	4.14E-04	6.58E-04	1.33E-07	4.01E-07	2.32E-07	2.51E-07	2.27E-07	1.04E-07	1.65E-07	4.43E-09	1.07E-07	2.36E-08	3.40E-08	5.40E-08	9.51E-09	1.09E-08	2.43E-07
4163	472863.09	3855877.25	3.94E-04	4.25E-04	6.74E-04	1.36E-07	4.11E-07	2.38E-07	2.57E-07	2.33E-07	1.06E-07	1.69E-07	4.55E-09	1.10E-07	2.42E-08	3.49E-08	5.54E-08	9.76E-09	1.11E-08	2.50E-07
4164	473363.09	3855877.25	4.45E-04	4.80E-04	7.63E-04	1.54E-07	4.65E-07	2.69E-07	2.91E-07	2.64E-07	1.20E-07	1.91E-07	5.15E-09	1.24E-07	2.74E-08	3.95E-08	6.26E-08	1.10E-08	1.26E-08	2.83E-07
4165	473863.09	3855877.25	4.87E-04	5.25E-04	8.33E-04	1.68E-07	5.09E-07	2.94E-07	3.18E-07	2.88E-07	1.31E-07	2.09E-07	5.62E-09	1.36E-07	3.00E-08	4.31E-08	6.84E-08	1.21E-08	1.38E-08	3.09E-07
4166	474363.09	3855877.25	5.16E-04	5.56E-04	8.83E-04	1.78E-07	5.39E-07	3.12E-07	3.37E-07	3.05E-07	1.39E-07	2.21E-07	5.96E-09	1.44E-07	3.18E-08	4.57E-08	7.25E-08	1.28E-08	1.46E-08	3.27E-07
4167	474863.09	3855877.25	4.10E-04	4.43E-04	7.02E-04	1.42E-07	4.29E-07	2.48E-07	2.68E-07	2.43E-07	1.11E-07	1.76E-07	4.74E-09	1.15E-07	2.53E-08	3.64E-08	5.77E-08	1.02E-08	1.16E-08	2.60E-07
4168	475363.09	3855877.25	2.74E-04	2.95E-04	4.69E-04	9.47E-08	2.86E-07	1.66E-07	1.79E-07	1.62E-07	7.39E-08	1.17E-07	3.16E-09	7.64E-08	1.69E-08	2.43E-08	3.85E-08	6.78E-09	7.74E-09	1.74E-07
4169	475863.09	3855877.25	1.43E-04	1.54E-04	2.46E-04	4.95E-08	1.49E-07	8.65E-08	9.34E-08	8.46E-08	3.86E-08	6.15E-08	1.65E-09	3.99E-08	8.80E-09	1.27E-08	2.01E-08	3.54E-09	4.06E-09	9.07E-08
4170	476363.09	3855877.25	1.54E-04	1.67E-04	2.66E-04	5.35E-08	1.61E-07	9.34E-08	1.01E-07	9.15E-08	4.17E-08	6.65E-08	1.79E-09	4.31E-08	9.51E-09	1.37E-08	2.17E-08	3.83E-09	4.38E-09	9.81E-08
4171	476863.09	3855877.25	2.22E-04	2.39E-04	3.80E-04	7.67E-08	2.32E-07	1.34E-07	1.45E-07	1.31E-07	5.99E-08	9.52E-08	2.56E-09	6.19E-08	1.37E-08	1.97E-08	3.12E-08	5.50E-09	6.28E-09	1.41E-07
4172	477363.09	3855877.25	2.66E-04	2.88E-04	4.57E-04	9.22E-08	2.78E-07	1.61E-07	1.74E-07	1.58E-07	7.20E-08	1.14E-07	3.08E-09	7.44E-08	1.64E-08	2.36E-08	3.75E-08	6.61E-09	7.54E-09	1.69E-07
4173	477863.09	3855877.25	3.29E-04	3.55E-04	5.64E-04	1.14E-07	3.44E-07	1.99E-07	2.15E-07	1.95E-07	8.89E-08	1.41E-07	3.80E-09	9.18E-08	2.03E-08	2.92E-08	4.63E-08	8.15E-09	9.30E-09	2.09E-07
4174	478363.09	3855877.25	4.14E-04	4.47E-04	7.08E-04	1.43E-07	4.33E-07	2.50E-07	2.70E-07	2.45E-07	1.12E-07	1.77E-07	4.78E-09	1.16E-07	2.55E-08	3.67E-08	5.82E-08	1.03E-08	1.17E-08	2.63E-07
4175	478863.09	3855877.25	5.51E-04	5.94E-04	9.41E-04	1.91E-07	5.76E-07	3.33E-07	3.60E-07	3.26E-07	1.49E-07	2.36E-07	6.37E-09	1.54E-07	3.39E-08	4.88E-08	7.74E-08	1.36E-08	1.55E-08	3.50E-07
4176	479363.09	3855877.25	7.59E-04	8.18E-04	1.30E-03	2.63E-07	7.93E-07	4.59E-07	4.95E-07	4.49E-07	2.05E-07	3.24E-07	8.77E-09	2.12E-07	4.67E-08	6.72E-08	1.07E-07	1.88E-08	2.14E-08	4.81E-07
4177	479863.09	3855877.25	1.03E-03	1.11E-03	1.76E-03	3.57E-07	1.08E-06	6.24E-07	6.73E-07	6.10E-07	2.79E-07	4.40E-07	1.19E-08	2.88E-07	6.36E-08	9.14E-08	1.45E-07	2.56E-08	2.91E-08	6.55E-07
4178	480363.09	3855877.25	1.52E-03	1.64E-03	2.59E-03	5.26E-07	1.59E-06	9.20E-07	9.92E-07	8.99E-07	4.10E-07	6.48E-07	1.76E-08	4.24E-07	9.37E-08	1.35E-07	2.14E-07	3.77E-08	4.28E-08	9.64E-07
4179	480863.09	3855877.25	2.39E-03	2.58E-03	4.08E-03	8.28E-07	2.50E-06	1.45E-06	1.56E-06	1.41E-06	6.45E-07	1.02E-06	2.76E-08	6.68E-07	1.47E-07	2.12E-07	3.36E-07	5.92E-08	6.73E-08	1.52E-06
4180	481363.09	3855877.25	2.76E-03	2.97E-03	4.69E-03	9.55E-07	2.88E-06	1.67E-06	1.80E-06	1.63E-06	7.44E-07	1.17E-06	3.19E-08	7.70E-07	1.70E-07	2.44E-07	3.88E-07	6.83E-08	7.74E-08	1.75E-06
4181	481863.09	3855877.25	5.33E-03	5.76E-03	9.13E-03	1.85E-06	5.58E-06	3.23E-06	3.48E-06	3.16E-06	1.44E-06	2.28E-06	6.17E-08	1.49E-06	3.29E-07	4.73E-07	7.50E-07	1.32E-07	1.51E-07	3.39E-06
4182	482363.09	3855877.25	6.83E-03	7.37E-03	1.17E-02	2.36E-06	7.14E-06	4.13E-06	4.46E-06	4.04E-06	1.84E-06	2.92E-06	7.89E-08	1.91E-06	4.21E-07	6.05E-07	9.60E-07	1.69E-07	1.93E-07	4.33E-06

4183	482863.09	3855877.25	9.19E-03	9.91E-03	1.57E-02	3.18E-06	9.60E-06	5.56E-06	6.00E-06	5.44E-06	2.48E-06	3.92E-06	1.06E-07	2.57E-06	5.66E-07	8.14E-07	1.29E-06	2.28E-07	2.58E-07	5.83E-06
4184	483363.09	3855877.25	1.28E-02	1.38E-02	2.17E-02	4.44E-06	1.34E-05	7.75E-06	8.36E-06	7.58E-06	3.46E-06	5.43E-06	1.48E-07	3.58E-06	7.90E-07	1.13E-06	1.80E-06	3.17E-07	3.58E-07	8.13E-06
4185	483863.09	3855877.25	1.96E-02	2.12E-02	3.30E-02	6.80E-06	2.05E-05	1.19E-05	1.28E-05	1.16E-05	5.29E-06	8.27E-06	2.27E-07	5.48E-06	1.21E-06	1.74E-06	2.76E-06	4.86E-07	5.45E-07	1.24E-05
4186	484363.09	3855877.25	5.38E-02	5.78E-02	8.85E-02	1.86E-05	5.62E-05	3.25E-05	3.50E-05	3.17E-05	1.45E-05	2.21E-05	6.22E-07	1.50E-05	3.31E-06	4.75E-06	7.53E-06	1.33E-06	1.46E-06	3.40E-05
4187	484863.09	3855877.25	1.57E-01	1.69E-01	2.69E-01	5.42E-05	1.64E-04	9.48E-05	1.02E-04	9.28E-05	4.23E-05	6.73E-05	1.81E-06	4.37E-05	9.65E-06	1.39E-05	2.20E-05	3.88E-06	4.44E-06	9.94E-05
4188	485363.09	3855877.25	7.01E-02	7.57E-02	1.20E-01	2.43E-05	7.33E-05	4.24E-05	4.58E-05	4.15E-05	1.90E-05	3.01E-05	8.11E-07	1.96E-05	4.32E-06	6.22E-06	9.87E-06	1.74E-06	1.99E-06	4.45E-05
4189	485863.09	3855877.25	3.84E-02	4.14E-02	6.58E-02	1.33E-05	4.01E-05	2.32E-05	2.51E-05	2.27E-05	1.04E-05	1.65E-05	4.44E-07	1.07E-05	2.37E-06	3.40E-06	5.40E-06	9.52E-07	1.09E-06	2.44E-05
4190	486363.09	3855877.25	2.51E-02	2.71E-02	4.30E-02	8.69E-06	2.62E-05	1.52E-05	1.64E-05	1.49E-05	6.78E-06	1.08E-05	2.90E-07	7.01E-06	1.55E-06	2.23E-06	3.53E-06	6.23E-07	7.10E-07	1.59E-05
4191	486863.09	3855877.25	1.94E-02	2.09E-02	3.32E-02	6.71E-06	2.03E-05	1.17E-05	1.27E-05	1.15E-05	5.24E-06	8.32E-06	2.24E-07	5.41E-06	1.19E-06	1.72E-06	2.73E-06	4.81E-07	5.48E-07	1.23E-05
4192	487363.09	3855877.25	1.74E-02	1.88E-02	2.98E-02	6.02E-06	1.82E-05	1.05E-05	1.14E-05	1.03E-05	4.70E-06	7.47E-06	2.01E-07	4.85E-06	1.07E-06	1.54E-06	2.45E-06	4.31E-07	4.93E-07	1.10E-05
4193	487863.09	3855877.25	1.58E-02	1.70E-02	2.71E-02	5.46E-06	1.65E-05	9.55E-06	1.03E-05	9.35E-06	4.27E-06	6.79E-06	1.82E-07	4.41E-06	9.73E-07	1.40E-06	2.22E-06	3.91E-07	4.48E-07	1.00E-05
4194	488363.09	3855877.25	1.42E-02	1.53E-02	2.44E-02	4.92E-06	1.48E-05	8.59E-06	9.28E-06	8.41E-06	3.84E-06	6.11E-06	1.64E-07	3.96E-06	8.75E-07	1.26E-06	2.00E-06	3.52E-07	4.03E-07	9.02E-06
4195	488863.09	3855877.25	1.29E-02	1.39E-02	2.22E-02	4.46E-06	1.35E-05	7.79E-06	8.42E-06	7.63E-06	3.48E-06	5.55E-06	1.49E-07	3.60E-06	7.94E-07	1.14E-06	1.81E-06	3.20E-07	3.66E-07	8.18E-06
4196	489363.09	3855877.25	1.17E-02	1.26E-02	2.01E-02	4.04E-06	1.22E-05	7.06E-06	7.63E-06	6.91E-06	3.15E-06	5.03E-06	1.35E-07	3.26E-06	7.19E-07	1.04E-06	1.64E-06	2.89E-07	3.32E-07	7.41E-06
4197	489863.09	3855877.25	1.06E-02	1.14E-02	1.82E-02	3.66E-06	1.11E-05	6.40E-06	6.91E-06	6.27E-06	2.86E-06	4.56E-06	1.22E-07	2.95E-06	6.52E-07	9.39E-07	1.49E-06	2.62E-07	3.01E-07	6.72E-06
4198	490363.09	3855877.25	9.67E-03	1.04E-02	1.67E-02	3.35E-06	1.01E-05	5.85E-06	6.32E-06	5.73E-06	2.61E-06	4.17E-06	1.12E-07	2.70E-06	5.96E-07	8.58E-07	1.36E-06	2.40E-07	2.75E-07	6.14E-06
4199	490863.09	3855877.25	8.61E-03	9.31E-03	1.49E-02	2.98E-06	9.00E-06	5.21E-06	5.63E-06	5.10E-06	2.33E-06	3.72E-06	9.96E-08	2.41E-06	5.31E-07	7.64E-07	1.21E-06	2.14E-07	2.45E-07	5.47E-06
4200	491363.09	3855877.25	7.16E-03	7.73E-03	1.23E-02	2.48E-06	7.48E-06	4.33E-06	4.68E-06	4.24E-06	1.93E-06	3.09E-06	8.27E-08	2.00E-06	4.41E-07	6.35E-07	1.01E-06	1.78E-07	2.04E-07	4.55E-06
4201	491863.09	3855877.25	7.22E-03	7.80E-03	1.25E-02	2.50E-06	7.55E-06	4.37E-06	4.72E-06	4.28E-06	1.95E-06	3.12E-06	8.35E-08	2.02E-06	4.45E-07	6.41E-07	1.02E-06	1.79E-07	2.06E-07	4.59E-06
4202	492363.09	3855877.25	6.44E-03	6.96E-03	1.11E-02	2.23E-06	6.73E-06	3.90E-06	4.21E-06	3.82E-06	1.74E-06	2.78E-06	7.45E-08	1.80E-06	3.97E-07	5.72E-07	9.07E-07	1.60E-07	1.84E-07	4.09E-06
4203	492863.09	3855877.25	5.80E-03	6.26E-03	1.00E-02	2.01E-06	6.06E-06	3.51E-06	3.79E-06	3.43E-06	1.57E-06	2.50E-06	6.70E-08	1.62E-06	3.57E-07	5.14E-07	8.16E-07	1.44E-07	1.65E-07	3.68E-06
4204	493363.09	3855877.25	4.42E-03	4.77E-03	7.62E-03	1.53E-06	4.62E-06	2.67E-06	2.89E-06	2.62E-06	1.19E-06	1.91E-06	5.11E-08	1.23E-06	2.72E-07	3.92E-07	6.22E-07	1.10E-07	1.26E-07	2.81E-06
4205	493863.09	3855877.25	3.15E-03	3.40E-03	5.42E-03	1.09E-06	3.29E-06	1.91E-06	2.06E-06	1.87E-06	8.51E-07	1.36E-06	3.64E-08	8.79E-07	1.94E-07	2.79E-07	4.43E-07	7.81E-08	8.95E-08	2.00E-06
4206	494363.09	3855877.25	2.25E-03	2.43E-03	3.87E-03	7.80E-07	2.35E-06	1.36E-06	1.47E-06	1.33E-06	6.09E-07	9.70E-07	2.60E-08	6.29E-07	1.39E-07	2.00E-07	3.17E-07	5.59E-08	6.40E-08	1.43E-06
4207	494863.09	3855877.25	1.72E-03	1.86E-03	2.96E-03	5.96E-07	1.80E-06	1.04E-06	1.12E-06	1.02E-06	4.65E-07	7.41E-07	1.99E-08	4.81E-07	1.06E-07	1.53E-07	2.42E-07	4.27E-08	4.89E-08	1.09E-06
4208	495363.09	3855877.25	1.26E-03	1.36E-03	2.16E-03	4.35E-07	1.31E-06	7.61E-07	8.21E-07	7.45E-07	3.40E-07	5.41E-07	1.45E-08	3.51E-07	7.75E-08	1.12E-07	1.77E-07	3.12E-08	3.57E-08	7.98E-07
4209	495863.09	3855877.25	1.19E-03	1.28E-03	2.04E-03	4.12E-07	1.24E-06	7.19E-07	7.77E-07	7.04E-07	3.21E-07	5.12E-07	1.37E-08	3.32E-07	7.33E-08	1.05E-07	1.67E-07	2.95E-08	3.37E-08	7.55E-07
4210	496363.09	3855877.25	1.14E-03	1.24E-03	1.97E-03	3.96E-07	1.20E-06	6.93E-07	7.48E-07	6.78E-07	3.09E-07	4.93E-07	1.32E-08	3.20E-07	7.05E-08	1.02E-07	1.61E-07	2.84E-08	3.25E-08	7.27E-07
4211	496863.09	3855877.25	1.15E-03	1.24E-03	1.98E-03	3.98E-07	1.20E-06	6.96E-07	7.51E-07	6.81E-07	3.11E-07	4.95E-07	1.33E-08	3.21E-07	7.08E-08	1.02E-07	1.62E-07	2.85E-08	3.26E-08	7.30E-07
4212	497363.09	3855877.25	1.16E-03	1.26E-03	2.00E-03	4.03E-07	1.22E-06	7.04E-07	7.61E-07	6.89E-07	3.15E-07	5.01E-07	1.35E-08	3.25E-07	7.17E-08	1.03E-07	1.64E-07	2.89E-08	3.31E-08	7.39E-07
4213	497863.09	3855877.25	1.20E-03	1.30E-03	2.06E-03	4.15E-07	1.25E-06	7.26E-07	7.84E-07	7.11E-07	3.24E-07	5.17E-07	1.39E-08	3.35E-07	7.39E-08	1.06E-07	1.69E-07	2.98E-08	3.41E-08	7.62E-07
4214	498363.09	3855877.25	1.32E-03	1.43E-03	2.27E-03	4.57E-07	1.38E-06	7.99E-07	8.62E-07	7.82E-07	3.57E-07	5.68E-07	1.53E-08	3.69E-07	8.13E-08	1.17E-07	1.86E-07	3.27E-08	3.75E-08	8.38E-07
4215	471363.09	3856377.25	3.39E-04	3.66E-04	5.81E-04	1.17E-07	3.55E-07	2.05E-07	2.22E-07	2.01E-07	9.17E-08	1.45E-07	3.92E-09	9.47E-08	2.09E-08	3.01E-08	4.77E-08	8.41E-09	9.59E-09	2.15E-07
4216	471863.09	3856377.25	3.53E-04	3.81E-04	6.05E-04	1.22E-07	3.69E-07	2.14E-07	2.31E-07	2.09E-07	9.55E-08	1.51E-07	4.09E-09	9.87E-08	2.18E-08	3.13E-08	4.97E-08	8.76E-09	9.98E-09	2.24E-07
4217	472363.09	3856377.25	3.81E-04	4.12E-04	6.53E-04	1.32E-07	3.99E-07	2.31E-07	2.49E-07	2.26E-07	1.03E-07	1.63E-07	4.41E-09	1.07E-07	2.35E-08	3.38E-08	5.36E-08	9.46E-09	1.08E-08	2.42E-07
4218	472863.09	3856377.25	4.18E-04	4.51E-04	7.15E-04	1.45E-07	4.37E-07	2.53E-07	2.73E-07	2.47E-07	1.13E-07	1.79E-07	4.83E-09	1.17E-07	2.57E-08	3.70E-08	5.87E-08	1.04E-08	1.18E-08	2.65E-07
4219	473363.09	3856377.25	4.50E-04	4.86E-04	7.70E-04	1.56E-07	4.71E-07	2.72E-07	2.94E-07	2.66E-07	1.22E-07	1.93E-07	5.20E-09	1.26E-07	2.77E-08	3.99E-08	6.33E-08	1.12E-08	1.27E-08	2.86E-07
4220	473863.09	3856377.25	5.09E-04	5.50E-04	8.72E-04	1.76E-07	5.32E-07	3.08E-07	3.33E-07	3.01E-07	1.38E-07	2.18E-07	5.89E-09	1.42E-07	3.14E-08	4.52E-08	7.16E-08	1.26E-08	1.44E-08	3.23E-07
4221	474363.09	3856377.25	5.03E-04	5.42E-04	8.60E-04	1.74E-07	5.25E-07	3.04E-07	3.28E-07	2.97E-07	1.36E-07	2.15E-07	5.81E-09	1.40E-07	3.10E-08	4.46E-08	7.07E-08	1.25E-08	1.42E-08	3.19E-07
4222	474863.09	3856377.25	4.71E-04	5.08E-04	8.05E-04	1.63E-07	4.92E-07	2.85E-07	3.08E-07	2.79E-07	1.27E-07	2.02E-07	5.45E-09	1.32E-07	2.90E-08	4.18E-08	6.63E-08	1.17E-08	1.33E-08	2.99E-07
4223	475363.09	3856377.25	3.77E-04	4.07E-04	6.45E-04	1.31E-07	3.94E-07	2.28E-07	2.46E-07	2.23E-07	1.02E-07	1.61E-07	4.36E-09	1.05E-07	2.32E-08	3.34E-08	5.31E-08	9.35E-09	1.06E-08	2.39E-07
4224	475863.09	3856377.25	2.70E-04	2.92E-04	4.62E-04	9.36E-08	2.83E-07	1.64E-07	1.77E-07	1.60E-07	7.30E-08	1.16E-07	3.13E-09	7.55E-08	1.67E-08	2.40E-08	3.80E-08	6.70E-09	7.63E-09	1.72E-07
4225	476363.09	3856377.25	2.61E-04	2.82E-04	4.47E-04	9.04E-08	2.73E-07	1.58E-07	1.71E-07	1.55E-07	7.05E-08	1.12E-07	3.02E-09	7.29E-08	1.61E-08	2.32E-08	3.67E-08	6.47E-09	7.38E-09	1.66E-07
4226	476863.09	3856377.25	2.72E-04	2.94E-04	4.66E-04	9.43E-08	2.85E-07	1.65E-07	1.78E-07	1.61E-07	7.35E-08	1.17E-07	3.15E-09	7.60E-08	1.68E-08	2.41E-08	3.83E-08	6.75E-09	7.69E-09	1.73E-07
4227	477363.09	3856377.25	2.96E-04	3.20E-04	5.06E-04	1.03E-07	3.10E-07	1.79E-07	1.93E-07	1.75E-07	8.00E-08	1.27E-07	3.42E-09	8.27E-08	1.83E-08	2.63E-08	4.17E-08	7.34E-09	8.36E-09	1.88E-07
4228	477863.09	3856377.25	2.54E-04	2.74E-04	4.34E-04	8.78E-08	2.65E-07	1.54E-07	1.66E-07	1.50E-07	6.85E-08	1.09E-07	2.93E-09	7.08E-08	1.56E-08	2.25E-08	3.57E-08	6.29E-09	7.16E-09	1.61E-07
4229	478363.09	3856377.25	2.38E-04	2.56E-04	4.06E-04	8.22E-08	2.48E-07	1.44E-07	1.55E-07	1.41E-07	6.41E-08	1.02E-07	2.75E-09	6.63E-08	1.46E-08	2.11E-08	3.34E-08	5.89E-09	6.71E-09	1.51E-07
4230	478863.09	3856377.25	4.38E-04	4.72E-04	7.48E-04	1.52E-07	4.58E-07	2.65E-07	2.86E-07	2.59E-07	1.18E-07	1.87E-07	5.06E-09	1.22E-07	2.70E-08	3.88E-08	6.15E-08	1.08E-08	1.23E-08	2.78E-07
4231	479363.09	3856377.25	5.77E-04	6.22E-04	9.84E-04	2.00E-07	6.03E-07	3.49E-07	3.76E-07	3.41E-07	1.56E-07	2.46E-07	6.66E-09	1.61E-07	3.55E-08	5.11E-08	8.11E-08	1.43E-08	1.62E-08	3.66E-07
4232	479863.09	3856377.25	9.87E-04	1.06E-03	1.68E-03	3.42E-07	1.03E-06	5.97E-07	6.44E-07	5.84E-07	2.66E-07	4.21E-07	1.14E-08	2.76E-07	6.08E-08	8.75E-08	1.39E-07	2.45E-08	2.78E-08	6.26E-07
4233	480363.09	3856377.25	1.64E-03	1.77E-03	2.80E-03	5.68E-07	1.72E-06	9.94E-07	1.07E-06	9.72E-07	4.43E-07	7.00E-07	1.90E-08	4.59E-07	1.01E-07	1.46E-07	2.31E-07	4.07E-08	4.62E-08	1.04E-06
4234	480863.09	3856377.25	2.41E-03	2.60E-03	4.11E-03	8.34E-07	2.52E-06	1.46E-06	1.57E-06	1.43E-06	6.50E-07	1.03E-06	2.78E-08	6.72E-07	1.48E-07	2.13E-07	3.39E-07	5.97E-08	6.78E-08	1.53E-06
4235	481363.09	3856377.25	3.46E-03	3.73E-03	5.92E-03	1.20E-06	3.62E-06	2.09E-06	2.26E-06	2.05E-06	9.35E-07	1.48E-06	4.00E-08	9.66E-07	2.13E-07	3.07E-07	4.87E-07	8.58E-08	9.76E-08	2.20E-06
4236	481863.09	3856377.25	4.83E-03	5.21E-03	8.27E-03	1.67E-06	5.05E-06	2.92E-06	3.15E-06	2.86E-06	1.30E-06	2.07E-06	5.58E-08	1.35E-06	2.98E-07	4.28E-07	6.79E-07	1.20E-07	1.36E-07	3.07E-06
4237	482363.09	3856377.25	5.89E-03	6.35E-03	1.00E-02	2.04E-06	6.16E-06	3.56E-06	3.84E-06	3.48E-06	1.59E-06	2.51E-06	6.81E-08	1.64E-06	3.63E-07	5.22E-07	8.28E-07	1.46E-07	1.66E-07	3.74E-06
4238	482863.09	3856377.25	7.43E-03	8.02E-03	1.26E-02	2.57E-06	7.77E-06	4.50E-06	4.85E-06	4.40E-06	2.01E-06	3.16E-06	8.59E-08	2.08E-06	4.58E-07	6.59E-07	1.04E-06	1.84E-07	2.09E-07	4.72E-06
4239	483363.09	3856377.25	9.53E-03	1.03E-02	1.61E-02	3.30E-06	9.96E-06	5.77E-06	6.22E-06	5.64E-06	2.57E-06	4.04E-06	1.10E-07	2.66E-06	5.87E-07	8.44E-07	1.34E-06	2.36E-07	2.66E-07	6.05E-06
4240	483863.09	3856377.25	1.29E-02	1.39E-02	2.17E-02	4.45E-06	1.34E-05	7.78E-06	8.38E-06	7.60E-06	3.47E-06	5.43E-06	1.49E-07	3.59E-06	7.92E-07	1.14E-06	1.81E-06	3.18E-07	3.58E-07	8.15E-06
4241	484363.09	3856377.25	1.87E-02	2.02E-02	3.14E-02	6.48E-06	1.96E-05	1.13E-05	1.22E-05	1.11E-05	5.05E-06	7.85E-06	2.17E-07	5.23E-06	1.15E-06	1.66E-06	2.63E-06	4.63E-07	5.18E-07	1.19E-05

4242	484863.09	3856377.25	3.87E-02	4.15E-02	6.33E-02	1.34E-05	4.04E-05	2.34E-05	2.51E-05	2.28E-05	1.04E-05	1.58E-05	4.47E-07	1.08E-05	2.38E-06	3.41E-06	5.41E-06	9.53E-07	1.04E-06	2.44E-05
4243	485363.09	3856377.25	1.45E-01	1.56E-01	2.45E-01	5.01E-05	1.51E-04	8.76E-05	9.44E-05	8.56E-05	3.91E-05	6.14E-05	1.67E-06	4.04E-05	8.92E-06	1.28E-05	2.03E-05	3.58E-06	4.05E-06	9.18E-05
4244	485863.09	3856377.25	8.84E-02	9.56E-02	1.54E-01	3.06E-05	9.24E-05	5.35E-05	5.79E-05	5.25E-05	2.39E-05	3.86E-05	1.02E-06	2.47E-05	5.45E-06	7.86E-06	1.25E-05	2.20E-06	2.54E-06	5.62E-05
4245	486363.09	3856377.25	3.90E-02	4.21E-02	6.74E-02	1.35E-05	4.07E-05	2.36E-05	2.55E-05	2.31E-05	1.05E-05	1.69E-05	4.51E-07	1.09E-05	2.40E-06	3.46E-06	5.49E-06	9.68E-07	1.11E-06	2.48E-05
4246	486863.09	3856377.25	2.98E-02	3.22E-02	5.14E-02	1.03E-05	3.12E-05	1.80E-05	1.95E-05	1.77E-05	8.06E-06	1.29E-05	3.45E-07	8.32E-06	1.84E-06	2.65E-06	4.20E-06	7.40E-07	8.49E-07	1.89E-05
4247	487363.09	3856377.25	2.50E-02	2.70E-02	4.31E-02	8.65E-06	2.61E-05	1.51E-05	1.63E-05	1.48E-05	6.76E-06	1.08E-05	2.89E-07	6.98E-06	1.54E-06	2.22E-06	3.52E-06	6.20E-07	7.11E-07	1.59E-05
4248	487863.09	3856377.25	2.17E-02	2.34E-02	3.74E-02	7.50E-06	2.27E-05	1.31E-05	1.42E-05	1.28E-05	5.86E-06	9.35E-06	2.51E-07	6.05E-06	1.34E-06	1.92E-06	3.05E-06	5.38E-07	6.17E-07	1.38E-05
4249	488363.09	3856377.25	1.88E-02	2.03E-02	3.24E-02	6.51E-06	1.96E-05	1.14E-05	1.23E-05	1.11E-05	5.08E-06	8.11E-06	2.17E-07	5.25E-06	1.16E-06	1.67E-06	2.65E-06	4.66E-07	5.35E-07	1.19E-05
4250	488863.09	3856377.25	1.65E-02	1.78E-02	2.84E-02	5.70E-06	1.72E-05	9.97E-06	1.08E-05	9.76E-06	4.45E-06	7.11E-06	1.90E-07	4.60E-06	1.02E-06	1.46E-06	2.32E-06	4.09E-07	4.69E-07	1.05E-05
4251	489363.09	3856377.25	1.45E-02	1.57E-02	2.51E-02	5.04E-06	1.52E-05	8.80E-06	9.51E-06	8.62E-06	3.93E-06	6.28E-06	1.68E-07	4.06E-06	8.96E-07	1.29E-06	2.05E-06	3.61E-07	4.14E-07	9.24E-06
4252	489863.09	3856377.25	1.29E-02	1.40E-02	2.23E-02	4.48E-06	1.35E-05	7.82E-06	8.45E-06	7.66E-06	3.50E-06	5.59E-06	1.49E-07	3.61E-06	7.97E-07	1.15E-06	1.82E-06	3.21E-07	3.68E-07	8.21E-06
4253	490363.09	3856377.25	1.15E-02	1.24E-02	1.98E-02	3.97E-06	1.20E-05	6.94E-06	7.50E-06	6.80E-06	3.10E-06	4.96E-06	1.33E-07	3.20E-06	7.07E-07	1.02E-06	1.61E-06	2.85E-07	3.27E-07	7.29E-06
4254	490863.09	3856377.25	1.02E-02	1.10E-02	1.76E-02	3.53E-06	1.07E-05	6.17E-06	6.67E-06	6.05E-06	2.76E-06	4.41E-06	1.18E-07	2.85E-06	6.28E-07	9.05E-07	1.44E-06	2.53E-07	2.91E-07	6.48E-06
4255	491363.09	3856377.25	9.14E-03	9.88E-03	1.58E-02	3.16E-06	9.55E-06	5.53E-06	5.98E-06	5.42E-06	2.47E-06	3.95E-06	1.06E-07	2.55E-06	5.63E-07	8.11E-07	1.29E-06	2.27E-07	2.61E-07	5.81E-06
4256	491863.09	3856377.25	8.14E-03	8.79E-03	1.41E-02	2.82E-06	8.51E-06	4.92E-06	5.32E-06	4.82E-06	2.20E-06	3.52E-06	9.41E-08	2.27E-06	5.01E-07	7.22E-07	1.15E-06	2.02E-07	2.32E-07	5.17E-06
4257	492363.09	3856377.25	7.09E-03	7.66E-03	1.23E-02	2.45E-06	7.41E-06	4.29E-06	4.63E-06	4.20E-06	1.92E-06	3.07E-06	8.19E-08	1.98E-06	4.37E-07	6.29E-07	9.98E-07	1.76E-07	2.02E-07	4.50E-06
4258	492863.09	3856377.25	5.66E-03	6.12E-03	9.77E-03	1.96E-06	5.92E-06	3.43E-06	3.70E-06	3.35E-06	1.53E-06	2.45E-06	6.54E-08	1.58E-06	3.49E-07	5.02E-07	7.97E-07	1.40E-07	1.61E-07	3.60E-06
4259	493363.09	3856377.25	3.63E-03	3.92E-03	6.26E-03	1.26E-06	3.80E-06	2.20E-06	2.37E-06	2.15E-06	9.82E-07	1.57E-06	4.20E-08	1.01E-06	2.24E-07	3.22E-07	5.11E-07	9.01E-08	1.03E-07	2.31E-06
4260	493863.09	3856377.25	2.81E-03	3.04E-03	4.84E-03	9.74E-07	2.94E-06	1.70E-06	1.84E-06	1.67E-06	7.60E-07	1.21E-06	3.25E-08	7.85E-07	1.73E-07	2.50E-07	3.96E-07	6.98E-08	7.99E-08	1.79E-06
4261	494363.09	3856377.25	2.06E-03	2.23E-03	3.55E-03	7.14E-07	2.16E-06	1.25E-06	1.35E-06	1.22E-06	5.57E-07	8.88E-07	2.38E-08	5.76E-07	1.27E-07	1.83E-07	2.90E-07	5.11E-08	5.85E-08	1.31E-06
4262	494863.09	3856377.25	1.56E-03	1.68E-03	2.68E-03	5.39E-07	1.63E-06	9.42E-07	1.02E-06	9.22E-07	4.21E-07	6.70E-07	1.80E-08	4.35E-07	9.59E-08	1.38E-07	2.19E-07	3.86E-08	4.42E-08	9.89E-07
4263	495363.09	3856377.25	1.26E-03	1.36E-03	2.16E-03	4.36E-07	1.32E-06	7.62E-07	8.23E-07	7.46E-07	3.40E-07	5.42E-07	1.46E-08	3.52E-07	7.76E-08	1.12E-07	1.77E-07	3.12E-08	3.57E-08	8.00E-07
4264	495863.09	3856377.25	1.18E-03	1.28E-03	2.03E-03	4.09E-07	1.23E-06	7.15E-07	7.72E-07	7.00E-07	3.19E-07	5.08E-07	1.37E-08	3.30E-07	7.28E-08	1.05E-07	1.66E-07	2.93E-08	3.35E-08	7.50E-07
4265	496363.09	3856377.25	1.16E-03	1.25E-03	1.99E-03	4.01E-07	1.21E-06	7.00E-07	7.56E-07	6.85E-07	3.13E-07	4.98E-07	1.34E-08	3.23E-07	7.13E-08	1.03E-07	1.63E-07	2.87E-08	3.28E-08	7.35E-07
4266	496863.09	3856377.25	1.21E-03	1.31E-03	2.08E-03	4.19E-07	1.26E-06	7.32E-07	7.91E-07	7.17E-07	3.27E-07	5.21E-07	1.40E-08	3.38E-07	7.46E-08	1.07E-07	1.70E-07	3.00E-08	3.43E-08	7.68E-07
4267	497363.09	3856377.25	1.25E-03	1.35E-03	2.15E-03	4.32E-07	1.31E-06	7.56E-07	8.16E-07	7.40E-07	3.38E-07	5.38E-07	1.44E-08	3.49E-07	7.70E-08	1.11E-07	1.76E-07	3.10E-08	3.55E-08	7.93E-07
4268	497863.09	3856377.25	1.33E-03	1.44E-03	2.29E-03	4.61E-07	1.39E-06	8.06E-07	8.71E-07	7.89E-07	3.60E-07	5.74E-07	1.54E-08	3.72E-07	8.21E-08	1.18E-07	1.88E-07	3.31E-08	3.78E-08	8.46E-07
4269	498363.09	3856377.25	1.45E-03	1.56E-03	2.49E-03	5.02E-07	1.51E-06	8.77E-07	9.47E-07	8.58E-07	3.92E-07	6.24E-07	1.67E-08	4.05E-07	8.93E-08	1.29E-07	2.04E-07	3.59E-08	4.12E-08	9.20E-07
4270	471363.09	3856877.25	3.53E-04	3.81E-04	6.04E-04	1.22E-07	3.69E-07	2.14E-07	2.31E-07	2.09E-07	9.54E-08	1.51E-07	4.08E-09	9.87E-08	2.18E-08	3.13E-08	4.97E-08	8.76E-09	9.97E-09	2.24E-07
4271	471863.09	3856877.25	3.63E-04	3.92E-04	6.21E-04	1.26E-07	3.80E-07	2.20E-07	2.37E-07	2.15E-07	9.81E-08	1.55E-07	4.20E-09	1.01E-07	2.24E-08	3.22E-08	5.11E-08	9.01E-09	1.03E-08	2.31E-07
4272	472363.09	3856877.25	3.90E-04	4.21E-04	6.67E-04	1.35E-07	4.08E-07	2.36E-07	2.55E-07	2.31E-07	1.05E-07	1.67E-07	4.51E-09	1.09E-07	2.41E-08	3.46E-08	5.49E-08	9.68E-09	1.10E-08	2.48E-07
4273	472863.09	3856877.25	4.19E-04	4.52E-04	7.16E-04	1.45E-07	4.38E-07	2.54E-07	2.74E-07	2.48E-07	1.13E-07	1.79E-07	4.84E-09	1.17E-07	2.58E-08	3.72E-08	5.89E-08	1.04E-08	1.18E-08	2.66E-07
4274	473363.09	3856877.25	4.75E-04	5.13E-04	8.12E-04	1.64E-07	4.97E-07	2.87E-07	3.10E-07	2.81E-07	1.28E-07	2.03E-07	5.49E-09	1.33E-07	2.93E-08	4.21E-08	6.68E-08	1.18E-08	1.34E-08	3.02E-07
4275	473863.09	3856877.25	5.11E-04	5.52E-04	8.74E-04	1.77E-07	5.34E-07	3.09E-07	3.34E-07	3.03E-07	1.38E-07	2.19E-07	5.91E-09	1.43E-07	3.15E-08	4.53E-08	7.19E-08	1.27E-08	1.44E-08	3.24E-07
4276	474363.09	3856877.25	4.99E-04	5.39E-04	8.53E-04	1.73E-07	5.22E-07	3.02E-07	3.26E-07	2.95E-07	1.35E-07	2.14E-07	5.77E-09	1.39E-07	3.07E-08	4.42E-08	7.02E-08	1.24E-08	1.41E-08	3.17E-07
4277	474863.09	3856877.25	4.63E-04	5.00E-04	7.92E-04	1.60E-07	4.84E-07	2.80E-07	3.03E-07	2.74E-07	1.25E-07	1.98E-07	5.36E-09	1.29E-07	2.86E-08	4.11E-08	6.52E-08	1.15E-08	1.31E-08	2.94E-07
4278	475363.09	3856877.25	3.92E-04	4.22E-04	6.69E-04	1.36E-07	4.09E-07	2.37E-07	2.56E-07	2.32E-07	1.06E-07	1.67E-07	4.53E-09	1.09E-07	2.41E-08	3.47E-08	5.51E-08	9.70E-09	1.10E-08	2.48E-07
4279	475863.09	3856877.25	3.95E-04	4.26E-04	6.74E-04	1.37E-07	4.13E-07	2.39E-07	2.58E-07	2.34E-07	1.07E-07	1.69E-07	4.57E-09	1.10E-07	2.43E-08	3.50E-08	5.55E-08	9.79E-09	1.11E-08	2.51E-07
4280	476363.09	3856877.25	3.47E-04	3.74E-04	5.91E-04	1.20E-07	3.62E-07	2.10E-07	2.26E-07	2.05E-07	9.36E-08	1.48E-07	4.01E-09	9.68E-08	2.14E-08	3.07E-08	4.87E-08	8.59E-09	9.76E-09	2.20E-07
4281	476863.09	3856877.25	3.39E-04	3.66E-04	5.78E-04	1.17E-07	3.54E-07	2.05E-07	2.21E-07	2.01E-07	9.16E-08	1.45E-07	3.92E-09	9.47E-08	2.09E-08	3.01E-08	4.77E-08	8.40E-09	9.55E-09	2.15E-07
4282	477363.09	3856877.25	3.09E-04	3.34E-04	5.28E-04	1.07E-07	3.23E-07	1.87E-07	2.02E-07	1.83E-07	8.35E-08	1.32E-07	3.57E-09	8.63E-08	1.91E-08	2.74E-08	4.35E-08	7.66E-09	8.71E-09	1.96E-07
4283	477863.09	3856877.25	2.28E-04	2.46E-04	3.89E-04	7.88E-08	2.38E-07	1.38E-07	1.49E-07	1.35E-07	6.15E-08	9.73E-08	2.63E-09	6.36E-08	1.40E-08	2.02E-08	3.20E-08	5.64E-09	6.42E-09	1.45E-07
4284	478363.09	3856877.25	2.11E-04	2.28E-04	3.60E-04	7.30E-08	2.21E-07	1.28E-07	1.38E-07	1.25E-07	5.70E-08	9.01E-08	2.44E-09	5.89E-08	1.30E-08	1.87E-08	2.97E-08	5.23E-09	5.95E-09	1.34E-07
4285	478863.09	3856877.25	2.66E-04	2.87E-04	4.54E-04	9.21E-08	2.78E-07	1.61E-07	1.74E-07	1.57E-07	7.18E-08	1.14E-07	3.08E-09	7.43E-08	1.64E-08	2.36E-08	3.74E-08	6.59E-09	7.50E-09	1.69E-07
4286	479363.09	3856877.25	3.57E-04	3.85E-04	6.09E-04	1.24E-07	3.73E-07	2.16E-07	2.33E-07	2.11E-07	9.64E-08	1.53E-07	4.13E-09	9.97E-08	2.20E-08	3.17E-08	5.02E-08	8.85E-09	1.01E-08	2.27E-07
4287	479863.09	3856877.25	8.79E-04	9.48E-04	1.50E-03	3.04E-07	9.19E-07	5.32E-07	5.74E-07	5.20E-07	2.37E-07	3.74E-07	1.02E-08	2.45E-07	5.42E-08	7.79E-08	1.24E-07	2.18E-08	2.47E-08	5.58E-07
4288	480363.09	3856877.25	1.57E-03	1.69E-03	2.67E-03	5.42E-07	1.64E-06	9.48E-07	1.02E-06	9.27E-07	4.23E-07	6.68E-07	1.81E-08	4.37E-07	9.65E-08	1.39E-07	2.20E-07	3.88E-08	4.40E-08	9.94E-07
4289	480863.09	3856877.25	2.46E-03	2.65E-03	4.20E-03	8.50E-07	2.57E-06	1.49E-06	1.60E-06	1.45E-06	6.63E-07	1.05E-06	2.84E-08	6.86E-07	1.51E-07	2.18E-07	3.45E-07	6.09E-08	6.93E-08	1.56E-06
4290	481363.09	3856877.25	3.32E-03	3.58E-03	5.68E-03	1.15E-06	3.47E-06	2.01E-06	2.17E-06	1.97E-06	8.97E-07	1.42E-06	3.84E-08	9.28E-07	2.05E-07	2.94E-07	4.67E-07	8.23E-08	9.38E-08	2.11E-06
4291	481863.09	3856877.25	4.13E-03	4.46E-03	7.05E-03	1.43E-06	4.32E-06	2.50E-06	2.70E-06	2.44E-06	1.12E-06	1.77E-06	4.77E-08	1.15E-06	2.54E-07	3.66E-07	5.81E-07	1.02E-07	1.16E-07	2.62E-06
4292	482363.09	3856877.25	5.09E-03	5.49E-03	8.67E-03	1.76E-06	5.32E-06	3.08E-06	3.32E-06	3.01E-06	1.37E-06	2.17E-06	5.88E-08	1.42E-06	3.14E-07	4.51E-07	7.15E-07	1.26E-07	1.43E-07	3.23E-06
4293	482863.09	3856877.25	6.10E-03	6.58E-03	1.04E-02	2.11E-06	6.38E-06	3.69E-06	3.98E-06	3.61E-06	1.65E-06	2.59E-06	7.05E-08	1.70E-06	3.76E-07	5.40E-07	8.57E-07	1.51E-07	1.71E-07	3.87E-06
4294	483363.09	3856877.25	7.49E-03	8.07E-03	1.27E-02	2.59E-06	7.83E-06	4.53E-06	4.88E-06	4.43E-06	2.02E-06	3.17E-06	8.66E-08	2.09E-06	4.61E-07	6.63E-07	1.05E-06	1.85E-07	2.09E-07	4.75E-06
4295	483863.09	3856877.25	9.46E-03	1.02E-02	1.60E-02	3.28E-06	9.89E-06	5.73E-06	6.17E-06	5.59E-06	2.55E-06	4.00E-06	1.09E-07	2.64E-06	5.83E-07	8.38E-07	1.33E-06	2.34E-07	2.64E-07	6.00E-06
4296	484363.09	3856877.25	1.25E-02	1.34E-02	2.10E-02	4.32E-06	1.31E-05	7.56E-06	8.14E-06	7.38E-06	3.37E-06	5.25E-06	1.44E-07	3.49E-06	7.69E-07	1.10E-06	1.75E-06	3.09E-07	3.46E-07	7.91E-06
4297	484863.09	3856877.25	1.75E-02	1.88E-02	2.92E-02	6.05E-06	1.83E-05	1.06E-05	1.14E-05	1.03E-05	4.70E-06	7.31E-06	2.02E-07	4.88E-06	1.08E-06	1.54E-06	2.45E-06	4.32E-07	4.82E-07	1.11E-05
4298	485363.09	3856877.25	3.26E-02	3.50E-02	5.36E-02	1.13E-05	3.40E-05	1.97E-05	2.12E-05	1.92E-05	8.76E-06	1.34E-05	3.76E-07	9.09E-06	2.01E-06	2.87E-06	4.56E-06	8.04E-07	8.86E-07	2.06E-05
4299	485863.09	3856877.25	1.32E-01	1.42E-01	2.20E-01	4.57E-05	1.38E-04	7.99E-05	8.59E-05	7.79E-05	3.55E-05	5.51E-05	1.53E-06	3.69E-05	8.13E-06	1.17E-05	1.85E-05	3.26E-06	3.63E-06	8.36E-05
4300	486363.09	3856877.25	8.22E-02	8.88E-02	1.42E-01	2.85E-05	8.59E-05	4.97E-05	5.37E-05	4.87E-05	2.22E-05	3.55E-05	9.50E-07	2.30E-05	5.07E-06	7.30E-06	1.16E-05	2.04E-06	2.34E-06	5.22E-05

4301	486863.09	3856877.25	4.88E-02	5.27E-02	8.44E-02	1.69E-05	5.10E-05	2.95E-05	3.19E-05	2.89E-05	1.32E-05	2.11E-05	5.64E-07	1.36E-05	3.01E-06	4.33E-06	6.87E-06	1.21E-06	1.39E-06	3.10E-05
4302	487363.09	3856877.25	3.67E-02	3.97E-02	6.35E-02	1.27E-05	3.84E-05	2.22E-05	2.40E-05	2.18E-05	9.93E-06	1.59E-05	4.24E-07	1.03E-05	2.26E-06	3.26E-06	5.17E-06	9.11E-07	1.05E-06	2.33E-05
4303	487863.09	3856877.25	2.92E-02	3.16E-02	5.05E-02	1.01E-05	3.05E-05	1.77E-05	1.91E-05	1.73E-05	7.90E-06	1.26E-05	3.38E-07	8.16E-06	1.80E-06	2.59E-06	4.12E-06	7.25E-07	8.34E-07	1.86E-05
4304	488363.09	3856877.25	2.41E-02	2.61E-02	4.17E-02	8.35E-06	2.52E-05	1.46E-05	1.58E-05	1.43E-05	6.52E-06	1.04E-05	2.79E-07	6.73E-06	1.49E-06	2.14E-06	3.39E-06	5.98E-07	6.88E-07	1.53E-05
4305	488863.09	3856877.25	2.02E-02	2.19E-02	3.50E-02	7.01E-06	2.12E-05	1.22E-05	1.32E-05	1.20E-05	5.47E-06	8.76E-06	2.34E-07	5.65E-06	1.25E-06	1.80E-06	2.85E-06	5.02E-07	5.78E-07	1.29E-05
4306	489363.09	3856877.25	1.73E-02	1.87E-02	3.00E-02	6.00E-06	1.81E-05	1.05E-05	1.13E-05	1.03E-05	4.69E-06	7.50E-06	2.00E-07	4.84E-06	1.07E-06	1.54E-06	2.44E-06	4.30E-07	4.95E-07	1.10E-05
4307	489863.09	3856877.25	1.50E-02	1.62E-02	2.59E-02	5.18E-06	1.56E-05	9.06E-06	9.79E-06	8.87E-06	4.05E-06	6.48E-06	1.73E-07	4.18E-06	9.22E-07	1.33E-06	2.11E-06	3.72E-07	4.28E-07	9.51E-06
4308	490363.09	3856877.25	1.30E-02	1.40E-02	2.25E-02	4.49E-06	1.36E-05	7.86E-06	8.49E-06	7.70E-06	3.51E-06	5.63E-06	1.50E-07	3.63E-06	8.00E-07	1.15E-06	1.83E-06	3.22E-07	3.71E-07	8.25E-06
4309	490863.09	3856877.25	1.14E-02	1.23E-02	1.97E-02	3.93E-06	1.19E-05	6.87E-06	7.42E-06	6.73E-06	3.07E-06	4.92E-06	1.31E-07	3.17E-06	6.99E-07	1.01E-06	1.60E-06	2.82E-07	3.24E-07	7.21E-06
4310	491363.09	3856877.25	9.98E-03	1.08E-02	1.73E-02	3.45E-06	1.04E-05	6.04E-06	6.52E-06	5.91E-06	2.70E-06	4.32E-06	1.15E-07	2.79E-06	6.15E-07	8.86E-07	1.41E-06	2.48E-07	2.85E-07	6.34E-06
4311	491863.09	3856877.25	8.75E-03	9.45E-03	1.51E-02	3.03E-06	9.14E-06	5.29E-06	5.72E-06	5.19E-06	2.37E-06	3.79E-06	1.01E-07	2.44E-06	5.39E-07	7.77E-07	1.23E-06	2.17E-07	2.50E-07	5.56E-06
4312	492363.09	3856877.25	6.86E-03	7.41E-03	1.19E-02	2.37E-06	7.17E-06	4.15E-06	4.48E-06	4.06E-06	1.85E-06	2.97E-06	7.93E-08	1.91E-06	4.23E-07	6.09E-07	9.66E-07	1.70E-07	1.96E-07	4.36E-06
4313	492863.09	3856877.25	5.26E-03	5.68E-03	9.07E-03	1.82E-06	5.50E-06	3.18E-06	3.44E-06	3.12E-06	1.42E-06	2.27E-06	6.08E-08	1.47E-06	3.24E-07	4.67E-07	7.40E-07	1.30E-07	1.50E-07	3.34E-06
4314	493363.09	3856877.25	3.79E-03	4.09E-03	6.53E-03	1.31E-06	3.96E-06	2.29E-06	2.48E-06	2.24E-06	1.02E-06	1.63E-06	4.38E-08	1.06E-06	2.33E-07	3.36E-07	5.33E-07	9.40E-08	1.08E-07	2.41E-06
4315	493863.09	3856877.25	2.59E-03	2.80E-03	4.46E-03	8.97E-07	2.71E-06	1.57E-06	1.69E-06	1.53E-06	7.00E-07	1.12E-06	2.99E-08	7.23E-07	1.60E-07	2.30E-07	3.65E-07	6.43E-08	7.36E-08	1.65E-06
4316	494363.09	3856877.25	1.86E-03	2.01E-03	3.20E-03	6.44E-07	1.94E-06	1.13E-06	1.22E-06	1.10E-06	5.03E-07	8.00E-07	2.15E-08	5.19E-07	1.15E-07	1.65E-07	2.62E-07	4.61E-08	5.28E-08	1.18E-06
4317	494863.09	3856877.25	1.55E-03	1.67E-03	2.66E-03	5.35E-07	1.62E-06	9.36E-07	1.01E-06	9.16E-07	4.18E-07	6.65E-07	1.79E-08	4.32E-07	9.53E-08	1.37E-07	2.18E-07	3.84E-08	4.39E-08	9.82E-07
4318	495363.09	3856877.25	1.37E-03	1.48E-03	2.35E-03	4.73E-07	1.43E-06	8.27E-07	8.93E-07	8.10E-07	3.69E-07	5.88E-07	1.58E-08	3.82E-07	8.42E-08	1.21E-07	1.92E-07	3.39E-08	3.88E-08	8.68E-07
4319	495863.09	3856877.25	1.31E-03	1.41E-03	2.24E-03	4.52E-07	1.36E-06	7.90E-07	8.53E-07	7.73E-07	3.53E-07	5.61E-07	1.51E-08	3.64E-07	8.04E-08	1.16E-07	1.84E-07	3.24E-08	3.70E-08	8.29E-07
4320	496363.09	3856877.25	1.27E-03	1.37E-03	2.17E-03	4.38E-07	1.32E-06	7.66E-07	8.27E-07	7.49E-07	3.42E-07	5.44E-07	1.46E-08	3.53E-07	7.80E-08	1.12E-07	1.78E-07	3.14E-08	3.59E-08	8.03E-07
4321	496863.09	3856877.25	1.27E-03	1.37E-03	2.19E-03	4.41E-07	1.33E-06	7.70E-07	8.32E-07	7.54E-07	3.44E-07	5.48E-07	1.47E-08	3.56E-07	7.84E-08	1.13E-07	1.79E-07	3.16E-08	3.61E-08	8.08E-07
4322	497363.09	3856877.25	1.32E-03	1.43E-03	2.27E-03	4.57E-07	1.38E-06	7.99E-07	8.62E-07	7.82E-07	3.57E-07	5.68E-07	1.53E-08	3.69E-07	8.13E-08	1.17E-07	1.86E-07	3.27E-08	3.75E-08	8.38E-07
4323	497863.09	3856877.25	1.46E-03	1.58E-03	2.51E-03	5.06E-07	1.53E-06	8.84E-07	9.55E-07	8.66E-07	3.95E-07	6.29E-07	1.69E-08	4.08E-07	9.00E-08	1.30E-07	2.06E-07	3.62E-08	4.15E-08	9.28E-07
4324	498363.09	3856877.25	1.63E-03	1.76E-03	2.81E-03	5.65E-07	1.71E-06	9.88E-07	1.07E-06	9.68E-07	4.42E-07	7.04E-07	1.89E-08	4.56E-07	1.01E-07	1.45E-07	2.30E-07	4.05E-08	4.64E-08	1.04E-06
4325	471363.09	3857377.25	3.67E-04	3.96E-04	6.28E-04	1.27E-07	3.84E-07	2.22E-07	2.40E-07	2.17E-07	9.91E-08	1.57E-07	4.24E-09	1.02E-07	2.26E-08	3.25E-08	5.16E-08	9.09E-09	1.04E-08	2.33E-07
4326	471863.09	3857377.25	3.76E-04	4.06E-04	6.43E-04	1.30E-07	3.93E-07	2.28E-07	2.46E-07	2.23E-07	1.02E-07	1.61E-07	4.35E-09	1.05E-07	2.32E-08	3.33E-08	5.29E-08	9.32E-09	1.06E-08	2.39E-07
4327	472363.09	3857377.25	3.99E-04	4.30E-04	6.82E-04	1.38E-07	4.17E-07	2.41E-07	2.60E-07	2.36E-07	1.08E-07	1.71E-07	4.61E-09	1.11E-07	2.46E-08	3.53E-08	5.61E-08	9.88E-09	1.13E-08	2.53E-07
4328	472863.09	3857377.25	4.30E-04	4.64E-04	7.36E-04	1.49E-07	4.49E-07	2.60E-07	2.81E-07	2.55E-07	1.16E-07	1.84E-07	4.97E-09	1.20E-07	2.65E-08	3.81E-08	6.05E-08	1.07E-08	1.22E-08	2.73E-07
4329	473363.09	3857377.25	4.73E-04	5.11E-04	8.11E-04	1.64E-07	4.95E-07	2.86E-07	3.09E-07	2.80E-07	1.28E-07	2.03E-07	5.47E-09	1.32E-07	2.92E-08	4.20E-08	6.66E-08	1.17E-08	1.34E-08	3.01E-07
4330	473863.09	3857377.25	5.30E-04	5.72E-04	9.08E-04	1.84E-07	5.54E-07	3.21E-07	3.46E-07	3.14E-07	1.43E-07	2.27E-07	6.13E-09	1.48E-07	3.27E-08	4.70E-08	7.46E-08	1.31E-08	1.50E-08	3.37E-07
4331	474363.09	3857377.25	4.98E-04	5.37E-04	8.53E-04	1.72E-07	5.20E-07	3.01E-07	3.25E-07	2.95E-07	1.34E-07	2.13E-07	5.76E-09	1.39E-07	3.07E-08	4.41E-08	7.00E-08	1.23E-08	1.41E-08	3.16E-07
4332	474863.09	3857377.25	3.69E-04	3.98E-04	6.31E-04	1.28E-07	3.86E-07	2.23E-07	2.41E-07	2.18E-07	9.97E-08	1.58E-07	4.27E-09	1.03E-07	2.27E-08	3.27E-08	5.19E-08	9.15E-09	1.04E-08	2.34E-07
4333	475363.09	3857377.25	2.57E-04	2.78E-04	4.39E-04	8.91E-08	2.69E-07	1.56E-07	1.68E-07	1.52E-07	6.95E-08	1.10E-07	2.98E-09	7.19E-08	1.59E-08	2.28E-08	3.62E-08	6.38E-09	7.25E-09	1.63E-07
4334	475863.09	3857377.25	2.43E-04	2.62E-04	4.15E-04	8.42E-08	2.54E-07	1.47E-07	1.59E-07	1.44E-07	6.57E-08	1.04E-07	2.81E-09	6.79E-08	1.50E-08	2.16E-08	3.42E-08	6.03E-09	6.85E-09	1.54E-07
4335	476363.09	3857377.25	3.18E-04	3.43E-04	5.42E-04	1.10E-07	3.32E-07	1.92E-07	2.07E-07	1.88E-07	8.58E-08	1.36E-07	3.67E-09	8.87E-08	1.96E-08	2.82E-08	4.47E-08	7.87E-09	8.95E-09	2.02E-07
4336	476863.09	3857377.25	3.47E-04	3.74E-04	5.92E-04	1.20E-07	3.63E-07	2.10E-07	2.27E-07	2.05E-07	9.37E-08	1.48E-07	4.01E-09	9.69E-08	2.14E-08	3.08E-08	4.88E-08	8.60E-09	9.78E-09	2.20E-07
4337	477363.09	3857377.25	3.06E-04	3.31E-04	5.23E-04	1.06E-07	3.20E-07	1.85E-07	2.00E-07	1.81E-07	8.27E-08	1.31E-07	3.54E-09	8.56E-08	1.89E-08	2.72E-08	4.31E-08	7.59E-09	8.63E-09	1.94E-07
4338	477863.09	3857377.25	2.41E-04	2.60E-04	4.11E-04	8.35E-08	2.52E-07	1.46E-07	1.57E-07	1.43E-07	6.51E-08	1.03E-07	2.79E-09	6.73E-08	1.49E-08	2.14E-08	3.39E-08	5.97E-09	6.78E-09	1.53E-07
4339	478363.09	3857377.25	1.96E-04	2.12E-04	3.34E-04	6.79E-08	2.05E-07	1.19E-07	1.28E-07	1.16E-07	5.29E-08	8.36E-08	2.27E-09	5.48E-08	1.21E-08	1.74E-08	2.76E-08	4.86E-09	5.52E-09	1.24E-07
4340	478863.09	3857377.25	1.75E-04	1.89E-04	2.99E-04	6.07E-08	1.83E-07	1.06E-07	1.14E-07	1.04E-07	4.73E-08	7.47E-08	2.03E-09	4.89E-08	1.08E-08	1.55E-08	2.46E-08	4.34E-09	4.93E-09	1.11E-07
4341	479363.09	3857377.25	2.71E-04	2.92E-04	4.60E-04	9.37E-08	2.83E-07	1.64E-07	1.77E-07	1.60E-07	7.31E-08	1.15E-07	3.13E-09	7.56E-08	1.67E-08	2.40E-08	3.81E-08	6.71E-09	7.60E-09	1.72E-07
4342	479863.09	3857377.25	7.06E-04	7.61E-04	1.20E-03	2.44E-07	7.38E-07	4.27E-07	4.60E-07	4.17E-07	1.90E-07	3.00E-07	8.16E-09	1.97E-07	4.35E-08	6.25E-08	9.92E-08	1.75E-08	1.98E-08	4.48E-07
4343	480363.09	3857377.25	5.95E-04	6.41E-04	1.01E-03	2.06E-07	6.21E-07	3.60E-07	3.88E-07	3.52E-07	1.60E-07	2.53E-07	6.87E-09	1.66E-07	3.66E-08	5.27E-08	8.35E-08	1.47E-08	1.67E-08	3.77E-07
4344	480863.09	3857377.25	2.30E-03	2.48E-03	3.93E-03	7.95E-07	2.40E-06	1.39E-06	1.50E-06	1.36E-06	6.20E-07	9.82E-07	2.65E-08	6.41E-07	1.41E-07	2.03E-07	3.23E-07	5.69E-08	6.48E-08	1.46E-06
4345	481363.09	3857377.25	2.60E-03	2.81E-03	4.46E-03	9.01E-07	2.72E-06	1.58E-06	1.70E-06	1.54E-06	7.03E-07	1.11E-06	3.01E-08	7.27E-07	1.60E-07	2.31E-07	3.66E-07	6.45E-08	7.35E-08	1.65E-06
4346	481863.09	3857377.25	3.43E-03	3.70E-03	5.86E-03	1.19E-06	3.58E-06	2.07E-06	2.24E-06	2.03E-06	9.26E-07	1.47E-06	3.96E-08	9.57E-07	2.11E-07	3.04E-07	4.82E-07	8.49E-08	9.67E-08	2.18E-06
4347	482363.09	3857377.25	4.39E-03	4.74E-03	7.48E-03	1.52E-06	4.59E-06	2.66E-06	2.87E-06	2.60E-06	1.19E-06	1.87E-06	5.08E-08	1.23E-06	2.71E-07	3.89E-07	6.18E-07	1.09E-07	1.23E-07	2.79E-06
4348	482863.09	3857377.25	5.08E-03	5.48E-03	8.63E-03	1.76E-06	5.31E-06	3.08E-06	3.32E-06	3.01E-06	1.37E-06	2.16E-06	5.88E-08	1.42E-06	3.13E-07	4.50E-07	7.14E-07	1.26E-07	1.42E-07	3.22E-06
4349	483363.09	3857377.25	5.99E-03	6.46E-03	1.01E-02	2.07E-06	6.26E-06	3.62E-06	3.91E-06	3.54E-06	1.62E-06	2.54E-06	6.92E-08	1.67E-06	3.69E-07	5.30E-07	8.41E-07	1.48E-07	1.67E-07	3.80E-06
4350	483863.09	3857377.25	7.26E-03	7.82E-03	1.23E-02	2.51E-06	7.59E-06	4.39E-06	4.73E-06	4.29E-06	1.96E-06	3.07E-06	8.39E-08	2.03E-06	4.47E-07	6.43E-07	1.02E-06	1.80E-07	2.02E-07	4.60E-06
4351	484363.09	3857377.25	8.94E-03	9.63E-03	1.51E-02	3.09E-06	9.34E-06	5.41E-06	5.83E-06	5.28E-06	2.41E-06	3.77E-06	1.03E-07	2.50E-06	5.51E-07	7.91E-07	1.25E-06	2.21E-07	2.49E-07	5.67E-06
4352	484863.09	3857377.25	1.15E-02	1.24E-02	1.93E-02	3.98E-06	1.20E-05	6.95E-06	7.49E-06	6.79E-06	3.10E-06	4.83E-06	1.33E-07	3.21E-06	7.08E-07	1.02E-06	1.61E-06	2.84E-07	3.19E-07	7.28E-06
4353	485363.09	3857377.25	1.58E-02	1.70E-02	2.64E-02	5.46E-06	1.65E-05	9.54E-06	1.03E-05	9.30E-06	4.25E-06	6.61E-06	1.82E-07	4.40E-06	9.71E-07	1.39E-06	2.21E-06	3.90E-07	4.36E-07	9.98E-06
4354	485863.09	3857377.25	2.56E-02	2.76E-02	4.27E-02	8.87E-06	2.68E-05	1.55E-05	1.67E-05	1.51E-05	6.90E-06	1.07E-05	2.96E-07	7.15E-06	1.58E-06	2.26E-06	3.59E-06	6.33E-07	7.05E-07	1.62E-05
4355	486363.09	3857377.25	1.17E-01	1.26E-01	1.96E-01	4.06E-05	1.23E-04	7.10E-05	7.65E-05	6.93E-05	3.16E-05	4.91E-05	1.36E-06	3.28E-05	7.23E-06	1.04E-05	1.65E-05	2.90E-06	3.24E-06	7.44E-05
4356	486863.09	3857377.25	1.25E-01	1.35E-01	2.14E-01	4.32E-05	1.31E-04	7.56E-05	8.15E-05	7.39E-05	3.37E-05	5.36E-05	1.44E-06	3.49E-05	7.69E-06	1.11E-05	1.76E-05	3.10E-06	3.53E-06	7.93E-05
4357	487363.09	3857377.25	6.01E-02	6.50E-02	1.05E-01	2.08E-05	6.28E-05	3.63E-05	3.93E-05	3.56E-05	1.63E-05	2.62E-05	6.94E-07	1.68E-05	3.70E-06	5.34E-06	8.47E-06	1.49E-06	1.73E-06	3.82E-05
4358	487863.09	3857377.25	4.05E-02	4.38E-02	7.05E-02	1.40E-05	4.23E-05	2.45E-05	2.65E-05	2.40E-05	1.10E-05	1.77E-05	4.68E-07	1.13E-05	2.49E-06	3.59E-06	5.70E-06	1.00E-06	1.16E-06	2.57E-05
4359	488363.09	3857377.25	3.02E-02	3.27E-02	5.26E-02	1.05E-05	3.16E-05	1.83E-05	1.98E-05	1.79E-05	8.19E-06	1.32E-05	3.50E-07	8.45E-06	1.86E-06	2.69E-06	4.26E-06	7.51E-07	8.68E-07	1.92E-05

4360	488863.09	3857377.25	2.39E-02	2.59E-02	4.16E-02	8.28E-06	2.50E-05	1.45E-05	1.57E-05	1.42E-05	6.47E-06	1.04E-05	2.77E-07	6.68E-06	1.47E-06	2.13E-06	3.37E-06	5.94E-07	6.86E-07	1.52E-05
4361	489363.09	3857377.25	1.96E-02	2.12E-02	3.41E-02	6.79E-06	2.05E-05	1.19E-05	1.28E-05	1.16E-05	5.31E-06	8.52E-06	2.27E-07	5.48E-06	1.21E-06	1.74E-06	2.76E-06	4.87E-07	5.62E-07	1.25E-05
4362	489863.09	3857377.25	1.64E-02	1.77E-02	2.85E-02	5.68E-06	1.71E-05	9.92E-06	1.07E-05	9.73E-06	4.44E-06	7.13E-06	1.90E-07	4.58E-06	1.01E-06	1.46E-06	2.31E-06	4.07E-07	4.70E-07	1.04E-05
4363	490363.09	3857377.25	1.39E-02	1.50E-02	2.41E-02	4.80E-06	1.45E-05	8.39E-06	9.07E-06	8.22E-06	3.75E-06	6.02E-06	1.60E-07	3.87E-06	8.54E-07	1.23E-06	1.95E-06	3.44E-07	3.97E-07	8.81E-06
4364	490863.09	3857377.25	1.19E-02	1.29E-02	2.06E-02	4.12E-06	1.24E-05	7.20E-06	7.78E-06	7.05E-06	3.22E-06	5.16E-06	1.37E-07	3.32E-06	7.33E-07	1.06E-06	1.68E-06	2.95E-07	3.40E-07	7.56E-06
4365	491363.09	3857377.25	1.03E-02	1.11E-02	1.79E-02	3.57E-06	1.08E-05	6.24E-06	6.75E-06	6.12E-06	2.79E-06	4.47E-06	1.19E-07	2.88E-06	6.36E-07	9.16E-07	1.45E-06	2.56E-07	2.95E-07	6.55E-06
4366	491863.09	3857377.25	8.79E-03	9.50E-03	1.52E-02	3.04E-06	9.19E-06	5.32E-06	5.75E-06	5.21E-06	2.38E-06	3.81E-06	1.02E-07	2.46E-06	5.42E-07	7.81E-07	1.24E-06	2.18E-07	2.51E-07	5.59E-06
4367	492363.09	3857377.25	6.38E-03	6.90E-03	1.10E-02	2.21E-06	6.67E-06	3.86E-06	4.17E-06	3.78E-06	1.73E-06	2.76E-06	7.38E-08	1.78E-06	3.93E-07	5.67E-07	8.99E-07	1.58E-07	1.82E-07	4.06E-06
4368	492863.09	3857377.25	4.35E-03	4.70E-03	7.50E-03	1.51E-06	4.55E-06	2.63E-06	2.84E-06	2.58E-06	1.18E-06	1.88E-06	5.03E-08	1.21E-06	2.68E-07	3.86E-07	6.13E-07	1.08E-07	1.24E-07	2.76E-06
4369	493363.09	3857377.25	2.97E-03	3.21E-03	5.12E-03	1.03E-06	3.11E-06	1.80E-06	1.94E-06	1.76E-06	8.04E-07	1.28E-06	3.44E-08	8.30E-07	1.83E-07	2.64E-07	4.18E-07	7.37E-08	8.45E-08	1.89E-06
4370	493863.09	3857377.25	2.43E-03	2.62E-03	4.17E-03	8.40E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.56E-07	1.04E-06	2.81E-08	6.78E-07	1.50E-07	2.15E-07	3.42E-07	6.02E-08	6.89E-08	1.54E-06
4371	494363.09	3857377.25	1.96E-03	2.11E-03	3.36E-03	6.78E-07	2.05E-06	1.18E-06	1.28E-06	1.16E-06	5.29E-07	8.42E-07	2.26E-08	5.47E-07	1.21E-07	1.74E-07	2.75E-07	4.85E-08	5.55E-08	1.24E-06
4372	494863.09	3857377.25	1.73E-03	1.86E-03	2.96E-03	5.97E-07	1.80E-06	1.04E-06	1.13E-06	1.02E-06	4.66E-07	7.42E-07	1.99E-08	4.82E-07	1.06E-07	1.53E-07	2.43E-07	4.28E-08	4.89E-08	1.10E-06
4373	495363.09	3857377.25	1.55E-03	1.67E-03	2.66E-03	5.35E-07	1.62E-06	9.36E-07	1.01E-06	9.16E-07	4.18E-07	6.65E-07	1.79E-08	4.32E-07	9.53E-08	1.37E-07	2.18E-07	3.83E-08	4.38E-08	9.82E-07
4374	495863.09	3857377.25	1.47E-03	1.59E-03	2.53E-03	5.10E-07	1.54E-06	8.92E-07	9.63E-07	8.73E-07	3.98E-07	6.33E-07	1.70E-08	4.11E-07	9.08E-08	1.31E-07	2.07E-07	3.65E-08	4.18E-08	9.36E-07
4375	496363.09	3857377.25	1.43E-03	1.54E-03	2.46E-03	4.95E-07	1.49E-06	8.65E-07	9.34E-07	8.47E-07	3.86E-07	6.15E-07	1.65E-08	3.99E-07	8.81E-08	1.27E-07	2.01E-07	3.55E-08	4.05E-08	9.08E-07
4376	496863.09	3857377.25	1.41E-03	1.52E-03	2.42E-03	4.88E-07	1.47E-06	8.54E-07	9.22E-07	8.35E-07	3.81E-07	6.07E-07	1.63E-08	3.94E-07	8.69E-08	1.25E-07	1.98E-07	3.50E-08	4.00E-08	8.96E-07
4377	497363.09	3857377.25	1.46E-03	1.57E-03	2.50E-03	5.04E-07	1.52E-06	8.81E-07	9.52E-07	8.63E-07	3.94E-07	6.27E-07	1.68E-08	4.07E-07	8.98E-08	1.29E-07	2.05E-07	3.61E-08	4.13E-08	9.25E-07
4378	497863.09	3857377.25	1.56E-03	1.68E-03	2.68E-03	5.39E-07	1.63E-06	9.41E-07	1.02E-06	9.22E-07	4.20E-07	6.70E-07	1.80E-08	4.34E-07	9.59E-08	1.38E-07	2.19E-07	3.86E-08	4.42E-08	9.88E-07
4379	498363.09	3857377.25	1.86E-03	2.01E-03	3.20E-03	6.43E-07	1.94E-06	1.12E-06	1.21E-06	1.10E-06	5.02E-07	8.01E-07	2.15E-08	5.19E-07	1.14E-07	1.65E-07	2.62E-07	4.61E-08	5.28E-08	1.18E-06
4380	471363.09	3857877.25	3.70E-04	3.99E-04	6.33E-04	1.28E-07	3.87E-07	2.24E-07	2.42E-07	2.19E-07	1.00E-07	1.59E-07	4.28E-09	1.03E-07	2.28E-08	3.28E-08	5.21E-08	9.17E-09	1.05E-08	2.35E-07
4381	471863.09	3857877.25	3.85E-04	4.15E-04	6.58E-04	1.33E-07	4.02E-07	2.33E-07	2.51E-07	2.28E-07	1.04E-07	1.65E-07	4.45E-09	1.07E-07	2.37E-08	3.41E-08	5.41E-08	9.53E-09	1.09E-08	2.44E-07
4382	472363.09	3857877.25	4.09E-04	4.41E-04	7.00E-04	1.42E-07	4.27E-07	2.47E-07	2.67E-07	2.42E-07	1.10E-07	1.75E-07	4.73E-09	1.14E-07	2.52E-08	3.63E-08	5.75E-08	1.01E-08	1.16E-08	2.60E-07
4383	472863.09	3857877.25	4.52E-04	4.88E-04	7.74E-04	1.56E-07	4.72E-07	2.73E-07	2.95E-07	2.67E-07	1.22E-07	1.94E-07	5.22E-09	1.26E-07	2.78E-08	4.01E-08	6.35E-08	1.12E-08	1.28E-08	2.87E-07
4384	473363.09	3857877.25	4.82E-04	5.21E-04	8.26E-04	1.67E-07	5.04E-07	2.92E-07	3.15E-07	2.86E-07	1.30E-07	2.07E-07	5.57E-09	1.35E-07	2.97E-08	4.28E-08	6.78E-08	1.20E-08	1.36E-08	3.06E-07
4385	473863.09	3857877.25	5.30E-04	5.72E-04	9.08E-04	1.84E-07	5.54E-07	3.21E-07	3.46E-07	3.14E-07	1.43E-07	2.27E-07	6.13E-09	1.48E-07	3.27E-08	4.70E-08	7.46E-08	1.31E-08	1.50E-08	3.37E-07
4386	474363.09	3857877.25	4.81E-04	5.19E-04	8.23E-04	1.67E-07	5.03E-07	2.91E-07	3.14E-07	2.85E-07	1.30E-07	2.06E-07	5.56E-09	1.34E-07	2.96E-08	4.26E-08	6.76E-08	1.19E-08	1.36E-08	3.05E-07
4387	474863.09	3857877.25	3.41E-04	3.67E-04	5.81E-04	1.18E-07	3.56E-07	2.06E-07	2.22E-07	2.02E-07	9.20E-08	1.45E-07	3.94E-09	9.51E-08	2.10E-08	3.02E-08	4.79E-08	8.44E-09	9.59E-09	2.16E-07
4388	475363.09	3857877.25	1.96E-04	2.11E-04	3.34E-04	6.78E-08	2.05E-07	1.18E-07	1.28E-07	1.16E-07	5.29E-08	8.36E-08	2.26E-09	5.47E-08	1.21E-08	1.74E-08	2.75E-08	4.85E-09	5.51E-09	1.24E-07
4389	475863.09	3857877.25	1.01E-04	1.09E-04	1.72E-04	3.50E-08	1.06E-07	6.12E-08	6.60E-08	5.98E-08	2.73E-08	4.31E-08	1.17E-09	2.82E-08	6.23E-09	8.96E-09	1.42E-08	2.51E-09	2.84E-09	6.42E-08
4390	476363.09	3857877.25	2.26E-04	2.44E-04	3.85E-04	7.82E-08	2.36E-07	1.37E-07	1.47E-07	1.34E-07	6.10E-08	9.65E-08	2.61E-09	6.31E-08	1.39E-08	2.00E-08	3.18E-08	5.60E-09	6.36E-09	1.43E-07
4391	476863.09	3857877.25	2.84E-04	3.07E-04	4.85E-04	9.84E-08	2.97E-07	1.72E-07	1.86E-07	1.68E-07	7.68E-08	1.21E-07	3.29E-09	7.94E-08	1.75E-08	2.52E-08	4.00E-08	7.04E-09	8.00E-09	1.80E-07
4392	477363.09	3857877.25	2.80E-04	3.02E-04	4.76E-04	9.69E-08	2.93E-07	1.69E-07	1.83E-07	1.66E-07	7.55E-08	1.19E-07	3.24E-09	7.81E-08	1.72E-08	2.48E-08	3.93E-08	6.93E-09	7.87E-09	1.78E-07
4393	477863.09	3857877.25	2.75E-04	2.97E-04	4.69E-04	9.53E-08	2.88E-07	1.67E-07	1.80E-07	1.63E-07	7.43E-08	1.17E-07	3.18E-09	7.69E-08	1.70E-08	2.44E-08	3.87E-08	6.82E-09	7.74E-09	1.75E-07
4394	478363.09	3857877.25	1.64E-04	1.76E-04	2.78E-04	5.67E-08	1.71E-07	9.90E-08	1.07E-07	9.68E-08	4.42E-08	6.96E-08	1.89E-09	4.57E-08	1.01E-08	1.45E-08	2.30E-08	4.05E-09	4.59E-09	1.04E-07
4395	478863.09	3857877.25	1.39E-04	1.50E-04	2.36E-04	4.83E-08	1.46E-07	8.44E-08	9.10E-08	8.25E-08	3.76E-08	5.92E-08	1.61E-09	3.89E-08	8.59E-09	1.24E-08	1.96E-08	3.45E-09	3.90E-09	8.85E-08
4396	479363.09	3857877.25	6.39E-04	6.89E-04	1.09E-03	2.21E-07	6.68E-07	3.86E-07	4.17E-07	3.78E-07	1.72E-07	2.72E-07	7.38E-09	1.78E-07	3.93E-08	5.66E-08	8.97E-08	1.58E-08	1.79E-08	4.05E-07
4397	479863.09	3857877.25	1.40E-03	1.51E-03	2.38E-03	4.83E-07	1.46E-06	8.44E-07	9.11E-07	8.26E-07	3.77E-07	5.97E-07	1.61E-08	3.90E-07	8.60E-08	1.24E-07	1.96E-07	3.46E-08	3.94E-08	8.85E-07
4398	480363.09	3857877.25	1.85E-03	1.99E-03	3.16E-03	6.39E-07	1.93E-06	1.12E-06	1.21E-06	1.09E-06	4.99E-07	7.91E-07	2.13E-08	5.16E-07	1.14E-07	1.64E-07	2.60E-07	4.58E-08	5.22E-08	1.17E-06
4399	480863.09	3857877.25	2.13E-03	2.29E-03	3.64E-03	7.36E-07	2.22E-06	1.29E-06	1.39E-06	1.26E-06	5.74E-07	9.11E-07	2.46E-08	5.93E-07	1.31E-07	1.88E-07	2.99E-07	5.27E-08	6.01E-08	1.35E-06
4400	481363.09	3857877.25	2.46E-03	2.66E-03	4.22E-03	8.52E-07	2.57E-06	1.49E-06	1.61E-06	1.46E-06	6.65E-07	1.06E-06	2.85E-08	6.87E-07	1.52E-07	2.18E-07	3.46E-07	6.10E-08	6.96E-08	1.56E-06
4401	481863.09	3857877.25	2.96E-03	3.19E-03	5.06E-03	1.02E-06	3.09E-06	1.79E-06	1.93E-06	1.75E-06	7.99E-07	1.27E-06	3.42E-08	8.26E-07	1.82E-07	2.62E-07	4.16E-07	7.33E-08	8.35E-08	1.88E-06
4402	482363.09	3857877.25	3.71E-03	4.00E-03	6.32E-03	1.28E-06	3.88E-06	2.25E-06	2.42E-06	2.20E-06	1.00E-06	1.58E-06	4.29E-08	1.04E-06	2.29E-07	3.29E-07	5.22E-07	9.19E-08	1.04E-07	2.35E-06
4403	482863.09	3857877.25	4.25E-03	4.58E-03	7.20E-03	1.47E-06	4.44E-06	2.57E-06	2.77E-06	2.51E-06	1.15E-06	1.80E-06	4.91E-08	1.19E-06	2.62E-07	3.76E-07	5.96E-07	1.05E-07	1.19E-07	2.69E-06
4404	483363.09	3857877.25	4.87E-03	5.25E-03	8.24E-03	1.69E-06	5.09E-06	2.95E-06	3.17E-06	2.88E-06	1.31E-06	2.06E-06	5.63E-08	1.36E-06	3.00E-07	4.31E-07	6.84E-07	1.21E-07	1.36E-07	3.09E-06
4405	483863.09	3857877.25	5.69E-03	6.13E-03	9.62E-03	1.97E-06	5.95E-06	3.44E-06	3.71E-06	3.36E-06	1.53E-06	2.41E-06	6.58E-08	1.59E-06	3.50E-07	5.04E-07	7.99E-07	1.41E-07	1.59E-07	3.61E-06
4406	484363.09	3857877.25	6.72E-03	7.24E-03	1.13E-02	2.32E-06	7.02E-06	4.06E-06	4.38E-06	3.97E-06	1.81E-06	2.84E-06	7.76E-08	1.88E-06	4.14E-07	5.94E-07	9.43E-07	1.66E-07	1.87E-07	4.26E-06
4407	484863.09	3857877.25	8.14E-03	8.76E-03	1.37E-02	2.82E-06	8.50E-06	4.92E-06	5.30E-06	4.81E-06	2.19E-06	3.43E-06	9.41E-08	2.27E-06	5.01E-07	7.20E-07	1.14E-06	2.01E-07	2.26E-07	5.16E-06
4408	485363.09	3857877.25	1.02E-02	1.09E-02	1.71E-02	3.52E-06	1.06E-05	6.15E-06	6.62E-06	6.00E-06	2.74E-06	4.28E-06	1.17E-07	2.84E-06	6.26E-07	8.99E-07	1.43E-06	2.51E-07	2.82E-07	6.44E-06
4409	485863.09	3857877.25	1.35E-02	1.45E-02	2.26E-02	4.66E-06	1.41E-05	8.15E-06	8.77E-06	7.95E-06	3.63E-06	5.66E-06	1.56E-07	3.76E-06	8.30E-07	1.19E-06	1.89E-06	3.33E-07	3.73E-07	8.53E-06
4410	486363.09	3857877.25	2.00E-02	2.15E-02	3.35E-02	6.92E-06	2.09E-05	1.21E-05	1.30E-05	1.18E-05	5.38E-06	8.39E-06	2.31E-07	5.58E-06	1.23E-06	1.77E-06	2.80E-06	4.94E-07	5.54E-07	1.27E-05
4411	486863.09	3857877.25	4.45E-02	4.79E-02	7.49E-02	1.54E-05	4.65E-05	2.69E-05	2.90E-05	2.63E-05	1.20E-05	1.87E-05	5.14E-07	1.24E-05	2.74E-06	3.94E-06	6.25E-06	1.10E-06	1.24E-06	2.82E-05
4412	487363.09	3857877.25	1.34E-01	1.44E-01	2.24E-01	4.64E-05	1.40E-04	8.12E-05	8.73E-05	7.92E-05	3.61E-05	5.61E-05	1.55E-06	3.75E-05	8.26E-06	1.19E-05	1.88E-05	3.32E-06	3.70E-06	8.50E-05
4413	487863.09	3857877.25	5.95E-02	6.44E-02	1.04E-01	2.06E-05	6.22E-05	3.60E-05	3.90E-05	3.53E-05	1.61E-05	2.61E-05	6.87E-07	1.66E-05	3.66E-06	5.29E-06	8.39E-06	1.48E-06	1.72E-06	3.78E-05
4414	488363.09	3857877.25	3.64E-02	3.94E-02	6.36E-02	1.26E-05	3.81E-05	2.20E-05	2.38E-05	2.16E-05	9.86E-06	1.59E-05	4.21E-07	1.02E-05	2.24E-06	3.24E-06	5.14E-06	9.05E-07	1.05E-06	2.32E-05
4415	488863.09	3857877.25	2.63E-02	2.84E-02	4.58E-02	9.10E-06	2.75E-05	1.59E-05	1.72E-05	1.56E-05	7.12E-06	1.15E-05	3.04E-07	7.34E-06	1.62E-06	2.34E-06	3.71E-06	6.53E-07	7.56E-07	1.67E-05
4416	489363.09	3857877.25	2.04E-02	2.21E-02	3.55E-02	7.06E-06	2.13E-05	1.23E-05	1.34E-05	1.21E-05	5.52E-06	8.89E-06	2.36E-07	5.70E-06	1.26E-06	1.81E-06	2.88E-06	5.07E-07	5.86E-07	1.30E-05
4417	489863.09	3857877.25	1.64E-02	1.77E-02	2.84E-02	5.66E-06	1.71E-05	9.90E-06	1.07E-05	9.70E-06	4.43E-06	7.12E-06	1.89E-07	4.57E-06	1.01E-06	1.45E-06	2.31E-06	4.06E-07	4.69E-07	1.04E-05
4418	490363.09	3857877.25	1.35E-02	1.46E-02	2.34E-02	4.68E-06	1.41E-05	8.18E-06	8.84E-06	8.02E-06	3.66E-06	5.87E-06	1.56E-07	3.78E-06	8.33E-07	1.20E-06	1.90E-06	3.36E-07	3.87E-07	8.59E-06

4419	490863.09	3857877.25	1.14E-02	1.23E-02	1.98E-02	3.95E-06	1.19E-05	6.91E-06	7.47E-06	6.77E-06	3.09E-06	4.94E-06	1.32E-07	3.19E-06	7.03E-07	1.01E-06	1.61E-06	2.83E-07	3.26E-07	7.25E-06
4420	491363.09	3857877.25	9.60E-03	1.04E-02	1.66E-02	3.32E-06	1.00E-05	5.81E-06	6.28E-06	5.69E-06	2.60E-06	4.16E-06	1.11E-07	2.68E-06	5.92E-07	8.52E-07	1.35E-06	2.38E-07	2.74E-07	6.10E-06
4421	491863.09	3857877.25	7.80E-03	8.43E-03	1.35E-02	2.70E-06	8.15E-06	4.72E-06	5.10E-06	4.62E-06	2.11E-06	3.38E-06	9.02E-08	2.18E-06	4.81E-07	6.93E-07	1.10E-06	1.94E-07	2.23E-07	4.96E-06
4422	492363.09	3857877.25	5.28E-03	5.71E-03	9.12E-03	1.83E-06	5.52E-06	3.20E-06	3.45E-06	3.13E-06	1.43E-06	2.28E-06	6.11E-08	1.47E-06	3.25E-07	4.69E-07	7.44E-07	1.31E-07	1.51E-07	3.36E-06
4423	492863.09	3857877.25	3.55E-03	3.83E-03	6.10E-03	1.23E-06	3.71E-06	2.15E-06	2.32E-06	2.10E-06	9.58E-07	1.53E-06	4.10E-08	9.90E-07	2.18E-07	3.15E-07	4.99E-07	8.79E-08	1.01E-07	2.25E-06
4424	493363.09	3857877.25	2.86E-03	3.09E-03	4.93E-03	9.92E-07	2.99E-06	1.73E-06	1.87E-06	1.70E-06	7.74E-07	1.23E-06	3.31E-08	8.00E-07	1.76E-07	2.54E-07	4.03E-07	7.11E-08	8.13E-08	1.82E-06
4425	493863.09	3857877.25	2.50E-03	2.70E-03	4.30E-03	8.65E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.75E-07	1.08E-06	2.89E-08	6.98E-07	1.54E-07	2.22E-07	3.52E-07	6.20E-08	7.09E-08	1.59E-06
4426	494363.09	3857877.25	2.24E-03	2.42E-03	3.85E-03	7.75E-07	2.34E-06	1.35E-06	1.46E-06	1.33E-06	6.05E-07	9.63E-07	2.59E-08	6.25E-07	1.38E-07	1.99E-07	3.15E-07	5.55E-08	6.35E-08	1.42E-06
4427	494863.09	3857877.25	1.89E-03	2.04E-03	3.25E-03	6.56E-07	1.98E-06	1.15E-06	1.24E-06	1.12E-06	5.12E-07	8.14E-07	2.19E-08	5.29E-07	1.17E-07	1.68E-07	2.66E-07	4.70E-08	5.37E-08	1.20E-06
4428	495363.09	3857877.25	1.75E-03	1.89E-03	3.01E-03	6.07E-07	1.83E-06	1.06E-06	1.15E-06	1.04E-06	4.74E-07	7.54E-07	2.03E-08	4.90E-07	1.08E-07	1.56E-07	2.47E-07	4.35E-08	4.97E-08	1.11E-06
4429	495863.09	3857877.25	1.63E-03	1.76E-03	2.81E-03	5.66E-07	1.71E-06	9.89E-07	1.07E-06	9.68E-07	4.42E-07	7.02E-07	1.89E-08	4.56E-07	1.01E-07	1.45E-07	2.30E-07	4.05E-08	4.63E-08	1.04E-06
4430	496363.09	3857877.25	1.61E-03	1.74E-03	2.77E-03	5.58E-07	1.68E-06	9.75E-07	1.05E-06	9.54E-07	4.35E-07	6.93E-07	1.86E-08	4.50E-07	9.93E-08	1.43E-07	2.27E-07	4.00E-08	4.57E-08	1.02E-06
4431	496863.09	3857877.25	1.60E-03	1.72E-03	2.74E-03	5.52E-07	1.67E-06	9.65E-07	1.04E-06	9.45E-07	4.31E-07	6.86E-07	1.84E-08	4.45E-07	9.83E-08	1.42E-07	2.24E-07	3.96E-08	4.53E-08	1.01E-06
4432	497363.09	3857877.25	1.55E-03	1.68E-03	2.67E-03	5.38E-07	1.63E-06	9.41E-07	1.02E-06	9.21E-07	4.20E-07	6.69E-07	1.80E-08	4.34E-07	9.58E-08	1.38E-07	2.19E-07	3.86E-08	4.41E-08	9.87E-07
4433	497863.09	3857877.25	1.74E-03	1.88E-03	2.99E-03	6.02E-07	1.82E-06	1.05E-06	1.14E-06	1.03E-06	4.70E-07	7.49E-07	2.01E-08	4.86E-07	1.07E-07	1.54E-07	2.45E-07	4.32E-08	4.94E-08	1.10E-06
4434	498363.09	3857877.25	1.93E-03	2.08E-03	3.32E-03	6.67E-07	2.01E-06	1.17E-06	1.26E-06	1.14E-06	5.21E-07	8.31E-07	2.23E-08	5.38E-07	1.19E-07	1.71E-07	2.71E-07	4.78E-08	5.48E-08	1.22E-06
4435	471363.09	3858377.25	3.87E-04	4.18E-04	6.62E-04	1.34E-07	4.04E-07	2.34E-07	2.53E-07	2.29E-07	1.05E-07	1.66E-07	4.47E-09	1.08E-07	2.38E-08	3.43E-08	5.44E-08	9.59E-09	1.09E-08	2.46E-07
4436	471863.09	3858377.25	4.03E-04	4.35E-04	6.90E-04	1.40E-07	4.21E-07	2.44E-07	2.63E-07	2.39E-07	1.09E-07	1.73E-07	4.66E-09	1.13E-07	2.48E-08	3.57E-08	5.67E-08	9.99E-09	1.14E-08	2.56E-07
4437	472363.09	3858377.25	4.21E-04	4.54E-04	7.20E-04	1.46E-07	4.40E-07	2.55E-07	2.75E-07	2.49E-07	1.14E-07	1.80E-07	4.86E-09	1.17E-07	2.59E-08	3.73E-08	5.92E-08	1.04E-08	1.19E-08	2.67E-07
4438	472863.09	3858377.25	4.55E-04	4.91E-04	7.78E-04	1.58E-07	4.76E-07	2.75E-07	2.97E-07	2.69E-07	1.23E-07	1.95E-07	5.26E-09	1.27E-07	2.80E-08	4.03E-08	6.40E-08	1.13E-08	1.28E-08	2.89E-07
4439	473363.09	3858377.25	5.21E-04	5.62E-04	8.91E-04	1.80E-07	5.45E-07	3.15E-07	3.40E-07	3.08E-07	1.41E-07	2.23E-07	6.02E-09	1.46E-07	3.21E-08	4.62E-08	7.33E-08	1.29E-08	1.47E-08	3.31E-07
4440	473863.09	3858377.25	5.27E-04	5.69E-04	9.01E-04	1.82E-07	5.51E-07	3.19E-07	3.44E-07	3.12E-07	1.42E-07	2.26E-07	6.09E-09	1.47E-07	3.25E-08	4.67E-08	7.41E-08	1.31E-08	1.49E-08	3.35E-07
4441	474363.09	3858377.25	4.58E-04	4.95E-04	7.83E-04	1.59E-07	4.79E-07	2.77E-07	2.99E-07	2.71E-07	1.24E-07	1.96E-07	5.30E-09	1.28E-07	2.82E-08	4.06E-08	6.45E-08	1.14E-08	1.29E-08	2.91E-07
4442	474863.09	3858377.25	3.53E-04	3.81E-04	6.02E-04	1.22E-07	3.69E-07	2.14E-07	2.30E-07	2.09E-07	9.53E-08	1.51E-07	4.08E-09	9.86E-08	2.17E-08	3.13E-08	4.96E-08	8.74E-09	9.93E-09	2.24E-07
4443	475363.09	3858377.25	2.34E-04	2.52E-04	3.98E-04	8.09E-08	2.44E-07	1.41E-07	1.53E-07	1.38E-07	6.31E-08	9.96E-08	2.70E-09	6.53E-08	1.44E-08	2.07E-08	3.29E-08	5.79E-09	6.57E-09	1.48E-07
4444	475863.09	3858377.25	1.74E-04	1.88E-04	2.96E-04	6.02E-08	1.82E-07	1.05E-07	1.13E-07	1.03E-07	4.69E-08	7.40E-08	2.01E-09	4.86E-08	1.07E-08	1.54E-08	2.44E-08	4.31E-09	4.88E-09	1.10E-07
4445	476363.09	3858377.25	1.91E-04	2.06E-04	3.24E-04	6.61E-08	1.99E-07	1.15E-07	1.25E-07	1.13E-07	5.15E-08	8.12E-08	2.21E-09	5.33E-08	1.18E-08	1.69E-08	2.68E-08	4.73E-09	5.36E-09	1.21E-07
4446	476863.09	3858377.25	2.14E-04	2.31E-04	3.64E-04	7.41E-08	2.24E-07	1.30E-07	1.40E-07	1.27E-07	5.78E-08	9.11E-08	2.48E-09	5.98E-08	1.32E-08	1.90E-08	3.01E-08	5.30E-09	6.01E-09	1.36E-07
4447	477363.09	3858377.25	2.04E-04	2.20E-04	3.47E-04	7.08E-08	2.14E-07	1.24E-07	1.33E-07	1.21E-07	5.52E-08	8.69E-08	2.36E-09	5.71E-08	1.26E-08	1.81E-08	2.87E-08	5.06E-09	5.73E-09	1.30E-07
4448	477863.09	3858377.25	2.74E-04	2.96E-04	4.66E-04	9.49E-08	2.86E-07	1.66E-07	1.79E-07	1.62E-07	7.40E-08	1.17E-07	3.17E-09	7.65E-08	1.69E-08	2.43E-08	3.85E-08	6.79E-09	7.69E-09	1.74E-07
4449	478363.09	3858377.25	2.98E-04	3.21E-04	5.06E-04	1.03E-07	3.11E-07	1.80E-07	1.94E-07	1.76E-07	8.04E-08	1.27E-07	3.44E-09	8.32E-08	1.84E-08	2.64E-08	4.19E-08	7.38E-09	8.35E-09	1.89E-07
4450	478863.09	3858377.25	2.09E-04	2.25E-04	3.54E-04	7.23E-08	2.18E-07	1.26E-07	1.36E-07	1.24E-07	5.64E-08	8.86E-08	2.41E-09	5.83E-08	1.29E-08	1.85E-08	2.93E-08	5.17E-09	5.84E-09	1.32E-07
4451	479363.09	3858377.25	6.72E-04	7.24E-04	1.14E-03	2.33E-07	7.02E-07	4.07E-07	4.38E-07	3.97E-07	1.81E-07	2.86E-07	7.77E-09	1.88E-07	4.14E-08	5.95E-08	9.44E-08	1.66E-08	1.89E-08	4.26E-07
4452	479863.09	3858377.25	1.44E-03	1.56E-03	2.47E-03	5.00E-07	1.51E-06	8.74E-07	9.43E-07	8.55E-07	3.90E-07	6.18E-07	1.67E-08	4.03E-07	8.89E-08	1.28E-07	2.03E-07	3.58E-08	4.08E-08	9.16E-07
4453	480363.09	3858377.25	1.81E-03	1.95E-03	3.09E-03	6.26E-07	1.89E-06	1.09E-06	1.18E-06	1.07E-06	4.88E-07	7.74E-07	2.09E-08	5.05E-07	1.11E-07	1.60E-07	2.54E-07	4.48E-08	5.10E-08	1.15E-06
4454	480863.09	3858377.25	2.03E-03	2.19E-03	3.48E-03	7.03E-07	2.12E-06	1.23E-06	1.33E-06	1.20E-06	5.49E-07	8.70E-07	2.35E-08	5.67E-07	1.25E-07	1.80E-07	2.86E-07	5.03E-08	5.74E-08	1.29E-06
4455	481363.09	3858377.25	2.32E-03	2.50E-03	3.97E-03	8.03E-07	2.42E-06	1.40E-06	1.51E-06	1.37E-06	6.26E-07	9.93E-07	2.68E-08	6.48E-07	1.43E-07	2.06E-07	3.26E-07	5.75E-08	6.55E-08	1.47E-06
4456	481863.09	3858377.25	2.61E-03	2.82E-03	4.46E-03	9.04E-07	2.73E-06	1.58E-06	1.71E-06	1.55E-06	7.05E-07	1.12E-06	3.02E-08	7.29E-07	1.61E-07	2.32E-07	3.67E-07	6.47E-08	7.37E-08	1.66E-06
4457	482363.09	3858377.25	3.03E-03	3.27E-03	5.18E-03	1.05E-06	3.17E-06	1.83E-06	1.98E-06	1.79E-06	8.19E-07	1.30E-06	3.50E-08	8.47E-07	1.87E-07	2.69E-07	4.26E-07	7.51E-08	8.55E-08	1.92E-06
4458	482863.09	3858377.25	3.67E-03	3.96E-03	6.25E-03	1.27E-06	3.83E-06	2.22E-06	2.39E-06	2.17E-06	9.90E-07	1.56E-06	4.24E-08	1.02E-06	2.26E-07	3.25E-07	5.16E-07	9.09E-08	1.03E-07	2.33E-06
4459	483363.09	3858377.25	4.08E-03	4.40E-03	6.91E-03	1.41E-06	4.26E-06	2.47E-06	2.66E-06	2.41E-06	1.10E-06	1.73E-06	4.71E-08	1.14E-06	2.51E-07	3.61E-07	5.73E-07	1.01E-07	1.14E-07	2.59E-06
4460	483863.09	3858377.25	4.53E-03	4.88E-03	7.66E-03	1.57E-06	4.73E-06	2.74E-06	2.95E-06	2.68E-06	1.22E-06	1.92E-06	5.24E-08	1.26E-06	2.79E-07	4.01E-07	6.36E-07	1.12E-07	1.26E-07	2.87E-06
4461	484363.09	3858377.25	5.22E-03	5.62E-03	8.81E-03	1.81E-06	5.45E-06	3.16E-06	3.40E-06	3.08E-06	1.41E-06	2.21E-06	6.03E-08	1.46E-06	3.21E-07	4.62E-07	7.32E-07	1.29E-07	1.45E-07	3.31E-06
4462	484863.09	3858377.25	6.03E-03	6.49E-03	1.02E-02	2.09E-06	6.30E-06	3.65E-06	3.93E-06	3.56E-06	1.63E-06	2.55E-06	6.97E-08	1.68E-06	3.71E-07	5.34E-07	8.46E-07	1.49E-07	1.68E-07	3.82E-06
4463	485363.09	3858377.25	6.99E-03	7.53E-03	1.18E-02	2.42E-06	7.30E-06	4.23E-06	4.55E-06	4.13E-06	1.88E-06	2.95E-06	8.08E-08	1.95E-06	4.30E-07	6.18E-07	9.81E-07	1.73E-07	1.94E-07	4.43E-06
4464	485863.09	3858377.25	8.36E-03	9.00E-03	1.41E-02	2.89E-06	8.73E-06	5.06E-06	5.44E-06	4.94E-06	2.25E-06	3.52E-06	9.66E-08	2.33E-06	5.15E-07	7.39E-07	1.17E-06	2.07E-07	2.32E-07	5.30E-06
4465	486363.09	3858377.25	1.03E-02	1.10E-02	1.72E-02	3.55E-06	1.07E-05	6.21E-06	6.68E-06	6.06E-06	2.76E-06	4.31E-06	1.19E-07	2.86E-06	6.32E-07	9.07E-07	1.44E-06	2.54E-07	2.85E-07	6.50E-06
4466	486863.09	3858377.25	1.30E-02	1.40E-02	2.18E-02	4.51E-06	1.36E-05	7.88E-06	8.48E-06	7.69E-06	3.51E-06	5.47E-06	1.51E-07	3.64E-06	8.02E-07	1.15E-06	1.83E-06	3.22E-07	3.61E-07	8.25E-06
4467	487363.09	3858377.25	1.89E-02	2.03E-02	3.16E-02	6.54E-06	1.97E-05	1.14E-05	1.23E-05	1.11E-05	5.09E-06	7.92E-06	2.18E-07	5.27E-06	1.16E-06	1.67E-06	2.65E-06	4.67E-07	5.22E-07	1.20E-05
4468	487863.09	3858377.25	6.01E-02	6.50E-02	1.05E-01	2.08E-05	6.28E-05	3.63E-05	3.93E-05	3.57E-05	1.63E-05	2.63E-05	6.94E-07	1.68E-05	3.70E-06	5.34E-06	8.47E-06	1.49E-06	1.73E-06	3.82E-05
4469	488363.09	3858377.25	3.90E-02	4.22E-02	6.76E-02	1.35E-05	4.08E-05	2.36E-05	2.55E-05	2.31E-05	1.06E-05	1.69E-05	4.51E-07	1.09E-05	2.41E-06	3.47E-06	5.50E-06	9.69E-07	1.12E-06	2.48E-05
4470	488863.09	3858377.25	2.29E-02	2.47E-02	3.91E-02	7.91E-06	2.39E-05	1.38E-05	1.49E-05	1.35E-05	6.17E-06	9.78E-06	2.64E-07	6.38E-06	1.41E-06	2.03E-06	3.21E-06	5.66E-07	6.45E-07	1.45E-05
4471	489363.09	3858377.25	1.71E-02	1.84E-02	2.92E-02	5.90E-06	1.78E-05	1.03E-05	1.11E-05	1.01E-05	4.61E-06	7.30E-06	1.97E-07	4.76E-06	1.05E-06	1.51E-06	2.40E-06	4.23E-07	4.81E-07	1.08E-05
4472	489863.09	3858377.25	1.37E-02	1.48E-02	2.34E-02	4.74E-06	1.43E-05	8.28E-06	8.94E-06	8.10E-06	3.70E-06	5.86E-06	1.58E-07	3.82E-06	8.44E-07	1.21E-06	1.93E-06	3.39E-07	3.87E-07	8.69E-06
4473	490363.09	3858377.25	1.14E-02	1.23E-02	1.95E-02	3.95E-06	1.19E-05	6.90E-06	7.45E-06	6.75E-06	3.08E-06	4.89E-06	1.32E-07	3.18E-06	7.03E-07	1.01E-06	1.60E-06	2.83E-07	3.23E-07	7.24E-06
4474	490863.09	3858377.25	9.73E-03	1.05E-02	1.67E-02	3.37E-06	1.02E-05	5.89E-06	6.36E-06	5.76E-06	2.63E-06	4.18E-06	1.12E-07	2.72E-06	5.99E-07	8.63E-07	1.37E-06	2.41E-07	2.76E-07	6.18E-06
4475	491363.09	3858377.25	8.20E-03	8.86E-03	1.41E-02	2.84E-06	8.57E-06	4.96E-06	5.36E-06	4.86E-06	2.22E-06	3.53E-06	9.48E-08	2.29E-06	5.05E-07	7.28E-07	1.15E-06	2.03E-07	2.33E-07	5.21E-06
4476	491863.09	3858377.25	6.11E-03	6.60E-03	1.06E-02	2.12E-06	6.39E-06	3.70E-06	4.00E-06	3.62E-06	1.65E-06	2.64E-06	7.07E-08	1.71E-06	3.77E-07	5.43E-07	8.61E-07	1.52E-07	1.74E-07	3.88E-06
4477	492363.09	3858377.25	3.85E-03	4.16E-03	6.63E-03	1.33E-06	4.03E-06	2.33E-06	2.52E-06	2.28E-06	1.04E-06	1.66E-06	4.45E-08	1.08E-06	2.37E-07	3.42E-07	5.42E-07	9.56E-08	1.09E-07	2.45E-06

4478	492863.09	3858377.25	3.93E-03	4.25E-03	6.77E-03	1.36E-06	4.11E-06	2.38E-06	2.57E-06	2.33E-06	1.06E-06	1.70E-06	4.55E-08	1.10E-06	2.42E-07	3.49E-07	5.54E-07	9.76E-08	1.12E-07	2.50E-06
4479	493363.09	3858377.25	3.26E-03	3.52E-03	5.61E-03	1.13E-06	3.41E-06	1.97E-06	2.13E-06	1.93E-06	8.81E-07	1.40E-06	3.77E-08	9.10E-07	2.01E-07	2.89E-07	4.59E-07	8.09E-08	9.26E-08	2.07E-06
4480	493863.09	3858377.25	2.89E-03	3.12E-03	4.97E-03	1.00E-06	3.02E-06	1.75E-06	1.89E-06	1.71E-06	7.81E-07	1.24E-06	3.34E-08	8.07E-07	1.78E-07	2.56E-07	4.07E-07	7.17E-08	8.21E-08	1.84E-06
4481	494363.09	3858377.25	2.52E-03	2.72E-03	4.33E-03	8.71E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.80E-07	1.08E-06	2.91E-08	7.03E-07	1.55E-07	2.23E-07	3.54E-07	6.24E-08	7.14E-08	1.60E-06
4482	494863.09	3858377.25	2.22E-03	2.40E-03	3.82E-03	7.70E-07	2.32E-06	1.35E-06	1.45E-06	1.32E-06	6.01E-07	9.57E-07	2.57E-08	6.21E-07	1.37E-07	1.97E-07	3.13E-07	5.52E-08	6.31E-08	1.41E-06
4483	495363.09	3858377.25	1.92E-03	2.08E-03	3.31E-03	6.66E-07	2.01E-06	1.16E-06	1.26E-06	1.14E-06	5.20E-07	8.27E-07	2.22E-08	5.37E-07	1.19E-07	1.71E-07	2.71E-07	4.77E-08	5.46E-08	1.22E-06
4484	495863.09	3858377.25	1.84E-03	1.99E-03	3.17E-03	6.38E-07	1.93E-06	1.11E-06	1.20E-06	1.09E-06	4.98E-07	7.92E-07	2.13E-08	5.14E-07	1.13E-07	1.63E-07	2.59E-07	4.57E-08	5.22E-08	1.17E-06
4485	496363.09	3858377.25	1.75E-03	1.89E-03	3.01E-03	6.06E-07	1.83E-06	1.06E-06	1.14E-06	1.04E-06	4.73E-07	7.53E-07	2.02E-08	4.89E-07	1.08E-07	1.55E-07	2.46E-07	4.34E-08	4.97E-08	1.11E-06
4486	496863.09	3858377.25	1.79E-03	1.93E-03	3.08E-03	6.20E-07	1.87E-06	1.08E-06	1.17E-06	1.06E-06	4.84E-07	7.71E-07	2.07E-08	5.00E-07	1.10E-07	1.59E-07	2.52E-07	4.44E-08	5.09E-08	1.14E-06
4487	497363.09	3858377.25	1.76E-03	1.90E-03	3.03E-03	6.11E-07	1.84E-06	1.07E-06	1.15E-06	1.04E-06	4.77E-07	7.59E-07	2.04E-08	4.92E-07	1.09E-07	1.56E-07	2.48E-07	4.37E-08	5.01E-08	1.12E-06
4488	497863.09	3858377.25	1.91E-03	2.06E-03	3.29E-03	6.61E-07	2.00E-06	1.16E-06	1.25E-06	1.13E-06	5.16E-07	8.23E-07	2.21E-08	5.33E-07	1.18E-07	1.69E-07	2.69E-07	4.74E-08	5.43E-08	1.21E-06
4489	498363.09	3858377.25	2.12E-03	2.28E-03	3.64E-03	7.32E-07	2.21E-06	1.28E-06	1.38E-06	1.25E-06	5.72E-07	9.12E-07	2.45E-08	5.91E-07	1.30E-07	1.88E-07	2.98E-07	5.25E-08	6.02E-08	1.34E-06
4490	471363.09	3858877.25	3.97E-04	4.29E-04	6.80E-04	1.38E-07	4.15E-07	2.40E-07	2.59E-07	2.35E-07	1.07E-07	1.70E-07	4.59E-09	1.11E-07	2.45E-08	3.52E-08	5.59E-08	9.85E-09	1.12E-08	2.52E-07
4491	471863.09	3858877.25	4.11E-04	4.44E-04	7.03E-04	1.42E-07	4.30E-07	2.49E-07	2.69E-07	2.44E-07	1.11E-07	1.76E-07	4.76E-09	1.15E-07	2.53E-08	3.65E-08	5.79E-08	1.02E-08	1.16E-08	2.61E-07
4492	472363.09	3858877.25	4.48E-04	4.83E-04	7.66E-04	1.55E-07	4.68E-07	2.71E-07	2.92E-07	2.65E-07	1.21E-07	1.92E-07	5.18E-09	1.25E-07	2.76E-08	3.97E-08	6.30E-08	1.11E-08	1.26E-08	2.84E-07
4493	472863.09	3858877.25	4.82E-04	5.20E-04	8.25E-04	1.67E-07	5.04E-07	2.92E-07	3.15E-07	2.85E-07	1.30E-07	2.06E-07	5.57E-09	1.35E-07	2.97E-08	4.28E-08	6.78E-08	1.20E-08	1.36E-08	3.06E-07
4494	473363.09	3858877.25	5.38E-04	5.80E-04	9.20E-04	1.86E-07	5.62E-07	3.25E-07	3.51E-07	3.18E-07	1.45E-07	2.30E-07	6.22E-09	1.50E-07	3.31E-08	4.77E-08	7.56E-08	1.33E-08	1.52E-08	3.41E-07
4495	473863.09	3858877.25	5.51E-04	5.95E-04	9.44E-04	1.91E-07	5.76E-07	3.33E-07	3.60E-07	3.26E-07	1.49E-07	2.36E-07	6.37E-09	1.54E-07	3.39E-08	4.88E-08	7.75E-08	1.37E-08	1.56E-08	3.50E-07
4496	474363.09	3858877.25	4.99E-04	5.39E-04	8.54E-04	1.73E-07	5.22E-07	3.02E-07	3.26E-07	2.95E-07	1.35E-07	2.14E-07	5.77E-09	1.39E-07	3.08E-08	4.43E-08	7.02E-08	1.24E-08	1.41E-08	3.17E-07
4497	474863.09	3858877.25	2.25E-04	2.42E-04	3.82E-04	7.77E-08	2.35E-07	1.36E-07	1.46E-07	1.33E-07	6.06E-08	9.56E-08	2.60E-09	6.27E-08	1.38E-08	1.99E-08	3.16E-08	5.56E-09	6.31E-09	1.42E-07
4498	475363.09	3858877.25	1.69E-04	1.82E-04	2.87E-04	5.84E-08	1.76E-07	1.02E-07	1.10E-07	9.98E-08	4.55E-08	7.18E-08	1.95E-09	4.71E-08	1.04E-08	1.49E-08	2.37E-08	4.18E-09	4.73E-09	1.07E-07
4499	475863.09	3858877.25	1.95E-04	2.11E-04	3.32E-04	6.76E-08	2.04E-07	1.18E-07	1.27E-07	1.16E-07	5.27E-08	8.32E-08	2.26E-09	5.46E-08	1.20E-08	1.73E-08	2.75E-08	4.84E-09	5.48E-09	1.24E-07
4500	476363.09	3858877.25	1.28E-04	1.38E-04	2.16E-04	4.42E-08	1.33E-07	7.72E-08	8.32E-08	7.55E-08	3.44E-08	5.42E-08	1.48E-09	3.56E-08	7.86E-09	1.13E-08	1.79E-08	3.16E-09	3.57E-09	8.09E-08
4501	476863.09	3858877.25	1.62E-04	1.74E-04	2.75E-04	5.60E-08	1.69E-07	9.79E-08	1.06E-07	9.56E-08	4.36E-08	6.87E-08	1.87E-09	4.52E-08	9.96E-09	1.43E-08	2.27E-08	4.00E-09	4.53E-09	1.03E-07
4502	477363.09	3858877.25	1.67E-04	1.80E-04	2.84E-04	5.79E-08	1.75E-07	1.01E-07	1.09E-07	9.89E-08	4.51E-08	7.10E-08	1.93E-09	4.67E-08	1.03E-08	1.48E-08	2.35E-08	4.14E-09	4.68E-09	1.06E-07
4503	477863.09	3858877.25	2.09E-04	2.25E-04	3.54E-04	7.23E-08	2.18E-07	1.26E-07	1.36E-07	1.24E-07	5.64E-08	8.86E-08	2.41E-09	5.83E-08	1.29E-08	1.85E-08	2.93E-08	5.17E-09	5.85E-09	1.32E-07
4504	478363.09	3858877.25	4.39E-04	4.73E-04	7.46E-04	1.52E-07	4.58E-07	2.65E-07	2.86E-07	2.59E-07	1.18E-07	1.87E-07	5.07E-09	1.22E-07	2.70E-08	3.89E-08	6.16E-08	1.09E-08	1.23E-08	2.78E-07
4505	478863.09	3858877.25	3.68E-04	3.96E-04	6.24E-04	1.27E-07	3.84E-07	2.23E-07	2.40E-07	2.17E-07	9.92E-08	1.56E-07	4.25E-09	1.03E-07	2.27E-08	3.26E-08	5.17E-08	9.11E-09	1.03E-08	2.33E-07
4506	479363.09	3858877.25	3.00E-04	3.23E-04	5.08E-04	1.04E-07	3.14E-07	1.81E-07	1.96E-07	1.77E-07	8.09E-08	1.27E-07	3.47E-09	8.38E-08	1.85E-08	2.66E-08	4.21E-08	7.43E-09	8.39E-09	1.90E-07
4507	479863.09	3858877.25	1.45E-03	1.57E-03	2.49E-03	5.04E-07	1.52E-06	8.80E-07	9.50E-07	8.61E-07	3.93E-07	6.24E-07	1.68E-08	4.06E-07	8.96E-08	1.29E-07	2.05E-07	3.61E-08	4.11E-08	9.23E-07
4508	480363.09	3858877.25	1.71E-03	1.84E-03	2.92E-03	5.91E-07	1.78E-06	1.03E-06	1.11E-06	1.01E-06	4.61E-07	7.31E-07	1.97E-08	4.76E-07	1.05E-07	1.51E-07	2.40E-07	4.23E-08	4.82E-08	1.08E-06
4509	480863.09	3858877.25	1.93E-03	2.08E-03	3.30E-03	6.69E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.22E-07	8.27E-07	2.23E-08	5.39E-07	1.19E-07	1.71E-07	2.72E-07	4.79E-08	5.45E-08	1.23E-06
4510	481363.09	3858877.25	2.15E-03	2.32E-03	3.67E-03	7.44E-07	2.25E-06	1.30E-06	1.40E-06	1.27E-06	5.80E-07	9.19E-07	2.48E-08	6.00E-07	1.32E-07	1.91E-07	3.02E-07	5.33E-08	6.06E-08	1.36E-06
4511	481863.09	3858877.25	2.42E-03	2.61E-03	4.13E-03	8.37E-07	2.53E-06	1.46E-06	1.58E-06	1.43E-06	6.53E-07	1.03E-06	2.79E-08	6.75E-07	1.49E-07	2.14E-07	3.40E-07	5.99E-08	6.81E-08	1.53E-06
4512	482363.09	3858877.25	2.66E-03	2.87E-03	4.55E-03	9.22E-07	2.78E-06	1.61E-06	1.74E-06	1.58E-06	7.19E-07	1.14E-06	3.08E-08	7.44E-07	1.64E-07	2.36E-07	3.74E-07	6.60E-08	7.51E-08	1.69E-06
4513	482863.09	3858877.25	3.01E-03	3.25E-03	5.14E-03	1.04E-06	3.15E-06	1.82E-06	1.96E-06	1.78E-06	8.13E-07	1.29E-06	3.48E-08	8.40E-07	1.85E-07	2.67E-07	4.23E-07	7.46E-08	8.48E-08	1.91E-06
4514	483363.09	3858877.25	3.38E-03	3.65E-03	5.73E-03	1.17E-06	3.54E-06	2.05E-06	2.21E-06	2.00E-06	9.13E-07	1.43E-06	3.91E-08	9.45E-07	2.08E-07	3.00E-07	4.75E-07	8.37E-08	9.46E-08	2.15E-06
4515	483863.09	3858877.25	3.68E-03	3.96E-03	6.22E-03	1.27E-06	3.84E-06	2.22E-06	2.40E-06	2.17E-06	9.91E-07	1.56E-06	4.25E-08	1.03E-06	2.26E-07	3.25E-07	5.16E-07	9.10E-08	1.03E-07	2.33E-06
4516	484363.09	3858877.25	4.09E-03	4.41E-03	6.92E-03	1.42E-06	4.28E-06	2.48E-06	2.67E-06	2.42E-06	1.10E-06	1.73E-06	4.73E-08	1.14E-06	2.52E-07	3.62E-07	5.75E-07	1.01E-07	1.14E-07	2.59E-06
4517	484863.09	3858877.25	4.56E-03	4.92E-03	7.71E-03	1.58E-06	4.77E-06	2.76E-06	2.98E-06	2.70E-06	1.23E-06	1.93E-06	5.28E-08	1.27E-06	2.81E-07	4.04E-07	6.41E-07	1.13E-07	1.27E-07	2.89E-06
4518	485363.09	3858877.25	5.08E-03	5.47E-03	8.57E-03	1.76E-06	5.31E-06	3.07E-06	3.31E-06	3.00E-06	1.37E-06	2.14E-06	5.87E-08	1.42E-06	3.13E-07	4.49E-07	7.13E-07	1.26E-07	1.41E-07	3.22E-06
4519	485863.09	3858877.25	5.72E-03	6.17E-03	9.65E-03	1.98E-06	5.98E-06	3.46E-06	3.73E-06	3.38E-06	1.54E-06	2.42E-06	6.62E-08	1.60E-06	3.53E-07	5.07E-07	8.04E-07	1.42E-07	1.59E-07	3.63E-06
4520	486363.09	3858877.25	6.35E-03	6.84E-03	1.07E-02	2.20E-06	6.64E-06	3.85E-06	4.14E-06	3.75E-06	1.71E-06	2.68E-06	7.35E-08	1.77E-06	3.92E-07	5.62E-07	8.92E-07	1.57E-07	1.77E-07	4.03E-06
4521	486863.09	3858877.25	7.11E-03	7.66E-03	1.20E-02	2.46E-06	7.44E-06	4.31E-06	4.64E-06	4.20E-06	1.92E-06	2.99E-06	8.22E-08	1.99E-06	4.38E-07	6.29E-07	9.98E-07	1.76E-07	1.97E-07	4.51E-06
4522	487363.09	3858877.25	8.21E-03	8.84E-03	1.37E-02	2.84E-06	8.58E-06	4.97E-06	5.35E-06	4.85E-06	2.21E-06	3.44E-06	9.49E-08	2.29E-06	5.06E-07	7.26E-07	1.15E-06	2.03E-07	2.27E-07	5.20E-06
4523	487863.09	3858877.25	9.13E-03	9.82E-03	1.51E-02	3.16E-06	9.55E-06	5.53E-06	5.94E-06	5.39E-06	2.46E-06	3.79E-06	1.06E-07	2.55E-06	5.63E-07	8.07E-07	1.28E-06	2.26E-07	2.50E-07	5.78E-06
4524	488363.09	3858877.25	1.06E-02	1.14E-02	1.70E-02	3.68E-06	1.11E-05	6.44E-06	6.89E-06	6.25E-06	2.85E-06	4.26E-06	1.23E-07	2.97E-06	6.56E-07	9.36E-07	1.48E-06	2.62E-07	2.81E-07	6.71E-06
4525	488863.09	3858877.25	2.33E-02	2.43E-02	2.95E-02	8.07E-06	2.44E-05	1.41E-05	1.47E-05	1.34E-05	6.09E-06	7.38E-06	2.69E-07	6.51E-06	1.44E-06	2.00E-06	3.17E-06	5.59E-07	4.87E-07	1.44E-05
4526	489363.09	3858877.25	1.08E-02	1.16E-02	1.74E-02	3.75E-06	1.13E-05	6.55E-06	7.02E-06	6.36E-06	2.90E-06	4.35E-06	1.25E-07	3.02E-06	6.67E-07	9.53E-07	1.51E-06	2.66E-07	2.87E-07	6.83E-06
4527	489863.09	3858877.25	9.25E-03	9.95E-03	1.54E-02	3.20E-06	9.67E-06	5.60E-06	6.02E-06	5.46E-06	2.49E-06	3.86E-06	1.07E-07	2.58E-06	5.70E-07	8.18E-07	1.30E-06	2.29E-07	2.54E-07	5.86E-06
4528	490363.09	3858877.25	8.22E-03	8.86E-03	1.39E-02	2.85E-06	8.60E-06	4.98E-06	5.36E-06	4.86E-06	2.22E-06	3.49E-06	9.51E-08	2.30E-06	5.07E-07	7.28E-07	1.16E-06	2.04E-07	2.30E-07	5.22E-06
4529	490863.09	3858877.25	7.12E-03	7.69E-03	1.22E-02	2.47E-06	7.45E-06	4.31E-06	4.65E-06	4.22E-06	1.92E-06	3.05E-06	8.23E-08	1.99E-06	4.39E-07	6.32E-07	1.00E-06	1.77E-07	2.01E-07	4.52E-06
4530	491363.09	3858877.25	5.64E-03	6.09E-03	9.71E-03	1.95E-06	5.89E-06	3.41E-06	3.68E-06	3.34E-06	1.52E-06	2.43E-06	6.52E-08	1.57E-06	3.47E-07	5.00E-07	7.94E-07	1.40E-07	1.60E-07	3.58E-06
4531	491863.09	3858877.25	3.98E-03	4.29E-03	6.84E-03	1.38E-06	4.16E-06	2.41E-06	2.60E-06	2.36E-06	1.07E-06	1.71E-06	4.60E-08	1.11E-06	2.45E-07	3.53E-07	5.60E-07	9.86E-08	1.13E-07	2.53E-06
4532	492363.09	3858877.25	4.32E-03	4.66E-03	7.44E-03	1.49E-06	4.51E-06	2.61E-06	2.82E-06	2.56E-06	1.17E-06	1.86E-06	4.99E-08	1.21E-06	2.66E-07	3.83E-07	6.08E-07	1.07E-07	1.23E-07	2.74E-06
4533	492863.09	3858877.25	4.53E-03	4.90E-03	7.81E-03	1.57E-06	4.74E-06	2.74E-06	2.96E-06	2.69E-06	1.23E-06	1.95E-06	5.24E-08	1.27E-06	2.79E-07	4.02E-07	6.38E-07	1.12E-07	1.29E-07	2.88E-06
4534	493363.09	3858877.25	3.99E-03	4.31E-03	6.88E-03	1.38E-06	4.17E-06	2.42E-06	2.61E-06	2.37E-06	1.08E-06	1.72E-06	4.62E-08	1.12E-06	2.46E-07	3.54E-07	5.62E-07	9.91E-08	1.14E-07	2.54E-06
4535	493863.09	3858877.25	3.21E-03	3.46E-03	5.52E-03	1.11E-06	3.35E-06	1.94E-06	2.09E-06	1.90E-06	8.67E-07	1.38E-06	3.71E-08	8.95E-07	1.98E-07	2.84E-07	4.51E-07	7.95E-08	9.11E-08	2.04E-06
4536	494363.09	3858877.25	2.89E-03	3.12E-03	4.97E-03	1.00E-06	3.02E-06	1.75E-06	1.89E-06	1.71E-06	7.81E-07	1.24E-06	3.34E-08	8.06E-07	1.78E-07	2.56E-07	4.07E-07	7.16E-08	8.21E-08	1.83E-06

4537	494863.09	3858877.25	2.55E-03	2.75E-03	4.38E-03	8.82E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.88E-07	1.10E-06	2.94E-08	7.11E-07	1.57E-07	2.26E-07	3.58E-07	6.32E-08	7.23E-08	1.62E-06
4538	495363.09	3858877.25	2.25E-03	2.43E-03	3.87E-03	7.78E-07	2.35E-06	1.36E-06	1.47E-06	1.33E-06	6.08E-07	9.68E-07	2.60E-08	6.28E-07	1.39E-07	2.00E-07	3.16E-07	5.58E-08	6.38E-08	1.43E-06
4539	495863.09	3858877.25	2.09E-03	2.26E-03	3.59E-03	7.24E-07	2.19E-06	1.26E-06	1.37E-06	1.24E-06	5.65E-07	9.00E-07	2.42E-08	5.84E-07	1.29E-07	1.85E-07	2.94E-07	5.19E-08	5.93E-08	1.33E-06
4540	496363.09	3858877.25	2.02E-03	2.19E-03	3.48E-03	7.01E-07	2.12E-06	1.22E-06	1.32E-06	1.20E-06	5.47E-07	8.71E-07	2.34E-08	5.65E-07	1.25E-07	1.80E-07	2.85E-07	5.02E-08	5.75E-08	1.29E-06
4541	496863.09	3858877.25	1.97E-03	2.12E-03	3.38E-03	6.81E-07	2.06E-06	1.19E-06	1.28E-06	1.16E-06	5.31E-07	8.47E-07	2.27E-08	5.49E-07	1.21E-07	1.74E-07	2.77E-07	4.88E-08	5.59E-08	1.25E-06
4542	497363.09	3858877.25	1.90E-03	2.06E-03	3.28E-03	6.59E-07	1.99E-06	1.15E-06	1.24E-06	1.13E-06	5.15E-07	8.20E-07	2.20E-08	5.32E-07	1.17E-07	1.69E-07	2.68E-07	4.72E-08	5.41E-08	1.21E-06
4543	497863.09	3858877.25	2.08E-03	2.25E-03	3.59E-03	7.21E-07	2.18E-06	1.26E-06	1.36E-06	1.23E-06	5.63E-07	8.98E-07	2.41E-08	5.82E-07	1.28E-07	1.85E-07	2.93E-07	5.17E-08	5.92E-08	1.32E-06
4544	498363.09	3858877.25	2.23E-03	2.41E-03	3.85E-03	7.73E-07	2.33E-06	1.35E-06	1.46E-06	1.32E-06	6.04E-07	9.63E-07	2.58E-08	6.23E-07	1.38E-07	1.98E-07	3.14E-07	5.54E-08	6.35E-08	1.42E-06
4545	471363.09	3859377.25	4.06E-04	4.38E-04	6.95E-04	1.41E-07	4.25E-07	2.46E-07	2.65E-07	2.40E-07	1.10E-07	1.74E-07	4.70E-09	1.13E-07	2.50E-08	3.60E-08	5.71E-08	1.01E-08	1.15E-08	2.58E-07
4546	471863.09	3859377.25	4.29E-04	4.63E-04	7.35E-04	1.49E-07	4.49E-07	2.60E-07	2.80E-07	2.54E-07	1.16E-07	1.84E-07	4.96E-09	1.20E-07	2.65E-08	3.81E-08	6.04E-08	1.06E-08	1.21E-08	2.73E-07
4547	472363.09	3859377.25	4.68E-04	5.05E-04	8.02E-04	1.62E-07	4.89E-07	2.83E-07	3.06E-07	2.77E-07	1.26E-07	2.01E-07	5.41E-09	1.31E-07	2.88E-08	4.15E-08	6.58E-08	1.16E-08	1.32E-08	2.97E-07
4548	472863.09	3859377.25	5.03E-04	5.43E-04	8.62E-04	1.74E-07	5.26E-07	3.04E-07	3.29E-07	2.98E-07	1.36E-07	2.16E-07	5.82E-09	1.41E-07	3.10E-08	4.46E-08	7.08E-08	1.25E-08	1.42E-08	3.19E-07
4549	473363.09	3859377.25	5.47E-04	5.90E-04	9.37E-04	1.89E-07	5.72E-07	3.31E-07	3.57E-07	3.24E-07	1.48E-07	2.35E-07	6.32E-09	1.53E-07	3.37E-08	4.85E-08	7.69E-08	1.36E-08	1.55E-08	3.47E-07
4550	473863.09	3859377.25	5.74E-04	6.20E-04	9.84E-04	1.99E-07	6.00E-07	3.48E-07	3.75E-07	3.40E-07	1.55E-07	2.46E-07	6.64E-09	1.60E-07	3.54E-08	5.09E-08	8.08E-08	1.42E-08	1.62E-08	3.65E-07
4551	474363.09	3859377.25	5.11E-04	5.52E-04	8.75E-04	1.77E-07	5.34E-07	3.09E-07	3.34E-07	3.03E-07	1.38E-07	2.19E-07	5.91E-09	1.43E-07	3.15E-08	4.53E-08	7.19E-08	1.27E-08	1.44E-08	3.25E-07
4552	474863.09	3859377.25	3.59E-04	3.87E-04	6.12E-04	1.24E-07	3.75E-07	2.17E-07	2.34E-07	2.12E-07	9.69E-08	1.53E-07	4.15E-09	1.00E-07	2.21E-08	3.18E-08	5.05E-08	8.89E-09	1.01E-08	2.28E-07
4553	475363.09	3859377.25	2.28E-04	2.46E-04	3.88E-04	7.91E-08	2.39E-07	1.38E-07	1.49E-07	1.35E-07	6.16E-08	9.72E-08	2.64E-09	6.38E-08	1.41E-08	2.02E-08	3.21E-08	5.66E-09	6.41E-09	1.45E-07
4554	475863.09	3859377.25	1.51E-04	1.63E-04	2.57E-04	5.24E-08	1.58E-07	9.15E-08	9.87E-08	8.95E-08	4.08E-08	6.43E-08	1.75E-09	4.22E-08	9.32E-09	1.34E-08	2.13E-08	3.75E-09	4.24E-09	9.60E-08
4555	476363.09	3859377.25	1.38E-04	1.49E-04	2.34E-04	4.77E-08	1.44E-07	8.35E-08	9.00E-08	8.16E-08	3.72E-08	5.86E-08	1.59E-09	3.85E-08	8.50E-09	1.22E-08	1.94E-08	3.41E-09	3.86E-09	8.75E-08
4556	476863.09	3859377.25	1.14E-04	1.23E-04	1.93E-04	3.95E-08	1.19E-07	6.91E-08	7.44E-08	6.75E-08	3.08E-08	4.83E-08	1.32E-09	3.19E-08	7.03E-09	1.01E-08	1.60E-08	2.83E-09	3.19E-09	7.24E-08
4557	477363.09	3859377.25	1.24E-04	1.34E-04	2.10E-04	4.31E-08	1.30E-07	7.53E-08	8.11E-08	7.35E-08	3.35E-08	5.25E-08	1.44E-09	3.47E-08	7.66E-09	1.10E-08	1.75E-08	3.08E-09	3.46E-09	7.88E-08
4558	477863.09	3859377.25	2.30E-04	2.48E-04	3.89E-04	7.95E-08	2.40E-07	1.39E-07	1.50E-07	1.36E-07	6.19E-08	9.74E-08	2.65E-09	6.41E-08	1.41E-08	2.03E-08	3.23E-08	5.69E-09	6.43E-09	1.46E-07
4559	478363.09	3859377.25	3.75E-04	4.04E-04	6.37E-04	1.30E-07	3.92E-07	2.27E-07	2.45E-07	2.22E-07	1.01E-07	1.59E-07	4.33E-09	1.05E-07	2.31E-08	3.32E-08	5.27E-08	9.29E-09	1.05E-08	2.38E-07
4560	478863.09	3859377.25	6.47E-04	6.98E-04	1.11E-03	2.24E-07	6.76E-07	3.92E-07	4.22E-07	3.83E-07	1.75E-07	2.77E-07	7.48E-09	1.81E-07	3.99E-08	5.74E-08	9.10E-08	1.60E-08	1.82E-08	4.11E-07
4561	479363.09	3859377.25	9.67E-04	1.04E-03	1.66E-03	3.35E-07	1.01E-06	5.85E-07	6.31E-07	5.72E-07	2.61E-07	4.14E-07	1.12E-08	2.70E-07	5.96E-08	8.57E-08	1.36E-07	2.40E-08	2.73E-08	6.14E-07
4562	479863.09	3859377.25	1.27E-03	1.38E-03	2.18E-03	4.41E-07	1.33E-06	7.71E-07	8.32E-07	7.55E-07	3.44E-07	5.46E-07	1.47E-08	3.56E-07	7.85E-08	1.13E-07	1.79E-07	3.16E-08	3.60E-08	8.09E-07
4563	480363.09	3859377.25	1.56E-03	1.68E-03	2.67E-03	5.40E-07	1.63E-06	9.43E-07	1.02E-06	9.23E-07	4.21E-07	6.67E-07	1.80E-08	4.35E-07	9.60E-08	1.38E-07	2.19E-07	3.86E-08	4.40E-08	9.89E-07
4564	480863.09	3859377.25	1.76E-03	1.90E-03	3.01E-03	6.10E-07	1.84E-06	1.07E-06	1.15E-06	1.04E-06	4.76E-07	7.53E-07	2.04E-08	4.92E-07	1.09E-07	1.56E-07	2.48E-07	4.37E-08	4.97E-08	1.12E-06
4565	481363.09	3859377.25	1.96E-03	2.11E-03	3.34E-03	6.78E-07	2.05E-06	1.18E-06	1.28E-06	1.16E-06	5.28E-07	8.35E-07	2.26E-08	5.47E-07	1.21E-07	1.73E-07	2.75E-07	4.85E-08	5.51E-08	1.24E-06
4566	481863.09	3859377.25	2.16E-03	2.33E-03	3.69E-03	7.48E-07	2.26E-06	1.31E-06	1.41E-06	1.28E-06	5.83E-07	9.22E-07	2.50E-08	6.03E-07	1.33E-07	1.92E-07	3.04E-07	5.35E-08	6.08E-08	1.37E-06
4567	482363.09	3859377.25	2.36E-03	2.55E-03	4.02E-03	8.17E-07	2.47E-06	1.43E-06	1.54E-06	1.40E-06	6.37E-07	1.01E-06	2.73E-08	6.59E-07	1.45E-07	2.09E-07	3.32E-07	5.85E-08	6.64E-08	1.50E-06
4568	482863.09	3859377.25	2.62E-03	2.82E-03	4.46E-03	9.06E-07	2.73E-06	1.58E-06	1.71E-06	1.55E-06	7.06E-07	1.11E-06	3.02E-08	7.31E-07	1.61E-07	2.32E-07	3.68E-07	6.48E-08	7.35E-08	1.66E-06
4569	483363.09	3859377.25	2.89E-03	3.11E-03	4.90E-03	9.99E-07	3.02E-06	1.75E-06	1.88E-06	1.71E-06	7.79E-07	1.23E-06	3.34E-08	8.06E-07	1.78E-07	2.56E-07	4.05E-07	7.15E-08	8.09E-08	1.83E-06
4570	483863.09	3859377.25	3.00E-03	3.23E-03	5.07E-03	1.04E-06	3.14E-06	1.82E-06	1.96E-06	1.77E-06	8.09E-07	1.27E-06	3.47E-08	8.38E-07	1.85E-07	2.66E-07	4.21E-07	7.43E-08	8.38E-08	1.90E-06
4571	484363.09	3859377.25	3.26E-03	3.51E-03	5.51E-03	1.13E-06	3.41E-06	1.97E-06	2.13E-06	1.93E-06	8.80E-07	1.38E-06	3.77E-08	9.11E-07	2.01E-07	2.89E-07	4.58E-07	8.07E-08	9.10E-08	2.07E-06
4572	484863.09	3859377.25	3.55E-03	3.83E-03	6.01E-03	1.23E-06	3.72E-06	2.15E-06	2.32E-06	2.10E-06	9.59E-07	1.50E-06	4.11E-08	9.93E-07	2.19E-07	3.15E-07	4.99E-07	8.80E-08	9.92E-08	2.25E-06
4573	485363.09	3859377.25	3.82E-03	4.12E-03	6.45E-03	1.32E-06	4.00E-06	2.31E-06	2.49E-06	2.26E-06	1.03E-06	1.62E-06	4.42E-08	1.07E-06	2.36E-07	3.38E-07	5.37E-07	9.46E-08	1.07E-07	2.42E-06
4574	485863.09	3859377.25	4.07E-03	4.39E-03	6.86E-03	1.41E-06	4.25E-06	2.46E-06	2.65E-06	2.41E-06	1.10E-06	1.72E-06	4.71E-08	1.14E-06	2.51E-07	3.60E-07	5.71E-07	1.01E-07	1.13E-07	2.58E-06
4575	486363.09	3859377.25	4.33E-03	4.67E-03	7.30E-03	1.50E-06	4.53E-06	2.62E-06	2.82E-06	2.56E-06	1.17E-06	1.83E-06	5.01E-08	1.21E-06	2.67E-07	3.83E-07	6.08E-07	1.07E-07	1.20E-07	2.75E-06
4576	486863.09	3859377.25	4.57E-03	4.92E-03	7.68E-03	1.58E-06	4.77E-06	2.76E-06	2.98E-06	2.70E-06	1.23E-06	1.92E-06	5.28E-08	1.28E-06	2.81E-07	4.04E-07	6.41E-07	1.13E-07	1.27E-07	2.89E-06
4577	487363.09	3859377.25	4.79E-03	5.16E-03	8.04E-03	1.66E-06	5.01E-06	2.90E-06	3.12E-06	2.83E-06	1.29E-06	2.01E-06	5.54E-08	1.34E-06	2.95E-07	4.24E-07	6.73E-07	1.19E-07	1.33E-07	3.04E-06
4578	487863.09	3859377.25	5.05E-03	5.44E-03	8.44E-03	1.75E-06	5.28E-06	3.06E-06	3.29E-06	2.98E-06	1.36E-06	2.11E-06	5.84E-08	1.41E-06	3.11E-07	4.47E-07	7.09E-07	1.25E-07	1.39E-07	3.20E-06
4579	488363.09	3859377.25	5.33E-03	5.74E-03	8.89E-03	1.85E-06	5.57E-06	3.23E-06	3.47E-06	3.15E-06	1.44E-06	2.22E-06	6.16E-08	1.49E-06	3.29E-07	4.71E-07	7.48E-07	1.32E-07	1.47E-07	3.38E-06
4580	488863.09	3859377.25	5.47E-03	5.89E-03	9.16E-03	1.89E-06	5.71E-06	3.31E-06	3.56E-06	3.23E-06	1.47E-06	2.29E-06	6.32E-08	1.53E-06	3.37E-07	4.83E-07	7.67E-07	1.35E-07	1.51E-07	3.46E-06
4581	489363.09	3859377.25	5.27E-03	5.67E-03	8.84E-03	1.82E-06	5.50E-06	3.19E-06	3.43E-06	3.11E-06	1.42E-06	2.21E-06	6.09E-08	1.47E-06	3.24E-07	4.66E-07	7.39E-07	1.30E-07	1.46E-07	3.34E-06
4582	489863.09	3859377.25	5.41E-03	5.83E-03	9.09E-03	1.87E-06	5.66E-06	3.27E-06	3.53E-06	3.20E-06	1.46E-06	2.28E-06	6.26E-08	1.51E-06	3.33E-07	4.79E-07	7.59E-07	1.34E-07	1.50E-07	3.43E-06
4583	490363.09	3859377.25	5.42E-03	5.84E-03	9.18E-03	1.87E-06	5.66E-06	3.28E-06	3.53E-06	3.20E-06	1.46E-06	2.30E-06	6.26E-08	1.51E-06	3.34E-07	4.80E-07	7.61E-07	1.34E-07	1.52E-07	3.43E-06
4584	490863.09	3859377.25	5.10E-03	5.50E-03	8.71E-03	1.76E-06	5.33E-06	3.08E-06	3.33E-06	3.02E-06	1.38E-06	2.18E-06	5.89E-08	1.42E-06	3.14E-07	4.52E-07	7.17E-07	1.26E-07	1.44E-07	3.24E-06
4585	491363.09	3859377.25	4.10E-03	4.43E-03	7.05E-03	1.42E-06	4.29E-06	2.48E-06	2.68E-06	2.43E-06	1.11E-06	1.77E-06	4.74E-08	1.14E-06	2.53E-07	3.64E-07	5.77E-07	1.02E-07	1.16E-07	2.60E-06
4586	491863.09	3859377.25	4.42E-03	4.77E-03	7.59E-03	1.53E-06	4.62E-06	2.67E-06	2.89E-06	2.62E-06	1.19E-06	1.90E-06	5.11E-08	1.23E-06	2.72E-07	3.92E-07	6.22E-07	1.10E-07	1.25E-07	2.81E-06
4587	492363.09	3859377.25	4.17E-03	4.51E-03	7.17E-03	1.45E-06	4.36E-06	2.53E-06	2.73E-06	2.47E-06	1.13E-06	1.79E-06	4.83E-08	1.17E-06	2.57E-07	3.70E-07	5.87E-07	1.04E-07	1.18E-07	2.65E-06
4588	492863.09	3859377.25	3.98E-03	4.29E-03	6.83E-03	1.38E-06	4.16E-06	2.41E-06	2.60E-06	2.35E-06	1.07E-06	1.71E-06	4.60E-08	1.11E-06	2.45E-07	3.53E-07	5.59E-07	9.86E-08	1.13E-07	2.52E-06
4589	493363.09	3859377.25	3.62E-03	3.90E-03	6.22E-03	1.25E-06	3.78E-06	2.19E-06	2.36E-06	2.14E-06	9.77E-07	1.56E-06	4.18E-08	1.01E-06	2.23E-07	3.21E-07	5.09E-07	8.97E-08	1.03E-07	2.30E-06
4590	493863.09	3859377.25	3.43E-03	3.70E-03	5.90E-03	1.19E-06	3.58E-06	2.07E-06	2.24E-06	2.03E-06	9.26E-07	1.48E-06	3.96E-08	9.57E-07	2.11E-07	3.04E-07	4.82E-07	8.50E-08	9.74E-08	2.18E-06
4591	494363.09	3859377.25	3.16E-03	3.41E-03	5.44E-03	1.09E-06	3.30E-06	1.91E-06	2.06E-06	1.87E-06	8.54E-07	1.36E-06	3.65E-08	8.82E-07	1.95E-07	2.80E-07	4.45E-07	7.84E-08	8.98E-08	2.01E-06
4592	494863.09	3859377.25	2.72E-03	2.94E-03	4.69E-03	9.42E-07	2.84E-06	1.65E-06	1.78E-06	1.61E-06	7.36E-07	1.17E-06	3.15E-08	7.60E-07	1.68E-07	2.42E-07	3.83E-07	6.75E-08	7.74E-08	1.73E-06
4593	495363.09	3859377.25	2.57E-03	2.78E-03	4.43E-03	8.91E-07	2.69E-06	1.56E-06	1.68E-06	1.52E-06	6.95E-07	1.11E-06	2.97E-08	7.18E-07	1.59E-07	2.28E-07	3.62E-07	6.38E-08	7.32E-08	1.63E-06
4594	495863.09	3859377.25	2.36E-03	2.55E-03	4.07E-03	8.19E-07	2.47E-06	1.43E-06	1.55E-06	1.40E-06	6.39E-07	1.02E-06	2.73E-08	6.60E-07	1.46E-07	2.10E-07	3.33E-07	5.87E-08	6.72E-08	1.50E-06
4595	496363.09	3859377.25	2.31E-03	2.50E-03	3.98E-03	8.01E-07	2.42E-06	1.40E-06	1.51E-06	1.37E-06	6.25E-07	9.97E-07	2.67E-08	6.46E-07	1.42E-07	2.05E-07	3.26E-07	5.74E-08	6.58E-08	1.47E-06

4596	496863.09	3859377.25	2.07E-03	2.23E-03	3.56E-03	7.16E-07	2.16E-06	1.25E-06	1.35E-06	1.23E-06	5.59E-07	8.92E-07	2.39E-08	5.78E-07	1.27E-07	1.84E-07	2.91E-07	5.13E-08	5.88E-08	1.31E-06
4597	497363.09	3859377.25	2.11E-03	2.28E-03	3.64E-03	7.31E-07	2.21E-06	1.28E-06	1.38E-06	1.25E-06	5.71E-07	9.10E-07	2.44E-08	5.90E-07	1.30E-07	1.87E-07	2.97E-07	5.24E-08	6.01E-08	1.34E-06
4598	497863.09	3859377.25	2.23E-03	2.41E-03	3.84E-03	7.71E-07	2.33E-06	1.35E-06	1.46E-06	1.32E-06	6.02E-07	9.61E-07	2.58E-08	6.22E-07	1.37E-07	1.98E-07	3.14E-07	5.53E-08	6.34E-08	1.42E-06
4599	498363.09	3859377.25	2.26E-03	2.44E-03	3.89E-03	7.81E-07	2.36E-06	1.37E-06	1.48E-06	1.34E-06	6.10E-07	9.73E-07	2.61E-08	6.30E-07	1.39E-07	2.00E-07	3.18E-07	5.60E-08	6.42E-08	1.43E-06
4600	471363.09	3859877.25	4.21E-04	4.54E-04	7.21E-04	1.46E-07	4.40E-07	2.55E-07	2.75E-07	2.49E-07	1.14E-07	1.80E-07	4.87E-09	1.18E-07	2.59E-08	3.73E-08	5.92E-08	1.04E-08	1.19E-08	2.67E-07
4601	471863.09	3859877.25	4.49E-04	4.85E-04	7.70E-04	1.55E-07	4.69E-07	2.72E-07	2.93E-07	2.66E-07	1.21E-07	1.93E-07	5.19E-09	1.25E-07	2.77E-08	3.98E-08	6.32E-08	1.11E-08	1.27E-08	2.85E-07
4602	472363.09	3859877.25	4.74E-04	5.11E-04	8.12E-04	1.64E-07	4.95E-07	2.87E-07	3.09E-07	2.80E-07	1.28E-07	2.03E-07	5.47E-09	1.32E-07	2.92E-08	4.20E-08	6.66E-08	1.17E-08	1.34E-08	3.01E-07
4603	472863.09	3859877.25	5.12E-04	5.52E-04	8.77E-04	1.77E-07	5.35E-07	3.10E-07	3.34E-07	3.03E-07	1.38E-07	2.19E-07	5.91E-09	1.43E-07	3.15E-08	4.54E-08	7.20E-08	1.27E-08	1.45E-08	3.25E-07
4604	473363.09	3859877.25	5.49E-04	5.92E-04	9.39E-04	1.90E-07	5.74E-07	3.32E-07	3.58E-07	3.25E-07	1.48E-07	2.35E-07	6.34E-09	1.53E-07	3.38E-08	4.87E-08	7.72E-08	1.36E-08	1.55E-08	3.48E-07
4605	473863.09	3859877.25	5.81E-04	6.27E-04	9.93E-04	2.01E-07	6.07E-07	3.51E-07	3.79E-07	3.44E-07	1.57E-07	2.49E-07	6.71E-09	1.62E-07	3.58E-08	5.15E-08	8.17E-08	1.44E-08	1.64E-08	3.69E-07
4606	474363.09	3859877.25	5.46E-04	5.89E-04	9.33E-04	1.89E-07	5.70E-07	3.30E-07	3.56E-07	3.23E-07	1.47E-07	2.33E-07	6.31E-09	1.52E-07	3.36E-08	4.84E-08	7.67E-08	1.35E-08	1.54E-08	3.46E-07
4607	474863.09	3859877.25	4.61E-04	4.98E-04	7.88E-04	1.60E-07	4.82E-07	2.79E-07	3.01E-07	2.73E-07	1.25E-07	1.97E-07	5.33E-09	1.29E-07	2.84E-08	4.09E-08	6.48E-08	1.14E-08	1.30E-08	2.93E-07
4608	475363.09	3859877.25	2.76E-04	2.97E-04	4.69E-04	9.54E-08	2.88E-07	1.67E-07	1.80E-07	1.63E-07	7.44E-08	1.17E-07	3.18E-09	7.69E-08	1.70E-08	2.44E-08	3.87E-08	6.82E-09	7.74E-09	1.75E-07
4609	475863.09	3859877.25	1.46E-04	1.57E-04	2.47E-04	5.04E-08	1.52E-07	8.81E-08	9.49E-08	8.61E-08	3.93E-08	6.18E-08	1.68E-09	4.06E-08	8.97E-09	1.29E-08	2.04E-08	3.60E-09	4.08E-09	9.23E-08
4610	476363.09	3859877.25	9.29E-05	1.00E-04	1.57E-04	3.22E-08	9.71E-08	5.62E-08	6.06E-08	5.49E-08	2.50E-08	3.92E-08	1.07E-09	2.59E-08	5.72E-09	8.22E-09	1.30E-08	2.30E-09	2.59E-09	5.89E-08
4611	476863.09	3859877.25	1.07E-04	1.15E-04	1.81E-04	3.70E-08	1.12E-07	6.48E-08	6.98E-08	6.32E-08	2.89E-08	4.52E-08	1.24E-09	2.99E-08	6.59E-09	9.47E-09	1.50E-08	2.65E-09	2.98E-09	6.78E-08
4612	477363.09	3859877.25	1.14E-04	1.23E-04	1.92E-04	3.95E-08	1.19E-07	6.91E-08	7.44E-08	6.74E-08	3.08E-08	4.81E-08	1.32E-09	3.19E-08	7.03E-09	1.01E-08	1.60E-08	2.82E-09	3.17E-09	7.23E-08
4613	477863.09	3859877.25	2.04E-04	2.20E-04	3.45E-04	7.06E-08	2.13E-07	1.23E-07	1.33E-07	1.21E-07	5.50E-08	8.64E-08	2.36E-09	5.70E-08	1.26E-08	1.81E-08	2.87E-08	5.05E-09	5.70E-09	1.29E-07
4614	478363.09	3859877.25	3.69E-04	3.98E-04	6.27E-04	1.28E-07	3.86E-07	2.23E-07	2.41E-07	2.18E-07	9.96E-08	1.57E-07	4.27E-09	1.03E-07	2.27E-08	3.27E-08	5.19E-08	9.14E-09	1.04E-08	2.34E-07
4615	478863.09	3859877.25	6.34E-04	6.84E-04	1.08E-03	2.20E-07	6.63E-07	3.84E-07	4.14E-07	3.75E-07	1.71E-07	2.71E-07	7.33E-09	1.77E-07	3.91E-08	5.62E-08	8.92E-08	1.57E-08	1.79E-08	4.02E-07
4616	479363.09	3859877.25	9.82E-04	1.06E-03	1.68E-03	3.40E-07	1.03E-06	5.94E-07	6.42E-07	5.82E-07	2.65E-07	4.21E-07	1.14E-08	2.74E-07	6.05E-08	8.71E-08	1.38E-07	2.44E-08	2.78E-08	6.24E-07
4617	479863.09	3859877.25	1.25E-03	1.35E-03	2.14E-03	4.32E-07	1.30E-06	7.55E-07	8.15E-07	7.39E-07	3.37E-07	5.35E-07	1.44E-08	3.49E-07	7.69E-08	1.11E-07	1.76E-07	3.09E-08	3.53E-08	7.92E-07
4618	480363.09	3859877.25	1.46E-03	1.57E-03	2.49E-03	5.04E-07	1.52E-06	8.81E-07	9.50E-07	8.61E-07	3.93E-07	6.22E-07	1.68E-08	4.06E-07	8.97E-08	1.29E-07	2.05E-07	3.61E-08	4.10E-08	9.24E-07
4619	480863.09	3859877.25	1.61E-03	1.73E-03	2.74E-03	5.56E-07	1.68E-06	9.72E-07	1.05E-06	9.51E-07	4.34E-07	6.86E-07	1.86E-08	4.49E-07	9.90E-08	1.42E-07	2.26E-07	3.98E-08	4.52E-08	1.02E-06
4620	481363.09	3859877.25	1.76E-03	1.90E-03	3.00E-03	6.10E-07	1.84E-06	1.07E-06	1.15E-06	1.04E-06	4.76E-07	7.51E-07	2.04E-08	4.92E-07	1.09E-07	1.56E-07	2.48E-07	4.37E-08	4.96E-08	1.12E-06
4621	481863.09	3859877.25	1.91E-03	2.06E-03	3.26E-03	6.62E-07	2.00E-06	1.16E-06	1.25E-06	1.13E-06	5.16E-07	8.15E-07	2.21E-08	5.34E-07	1.18E-07	1.69E-07	2.69E-07	4.74E-08	5.38E-08	1.21E-06
4622	482363.09	3859877.25	2.07E-03	2.24E-03	3.53E-03	7.17E-07	2.17E-06	1.25E-06	1.35E-06	1.23E-06	5.59E-07	8.83E-07	2.40E-08	5.79E-07	1.28E-07	1.84E-07	2.91E-07	5.13E-08	5.83E-08	1.31E-06
4623	482863.09	3859877.25	2.25E-03	2.43E-03	3.83E-03	7.78E-07	2.35E-06	1.36E-06	1.47E-06	1.33E-06	6.07E-07	9.59E-07	2.60E-08	6.28E-07	1.39E-07	1.99E-07	3.16E-07	5.57E-08	6.32E-08	1.43E-06
4624	483363.09	3859877.25	2.42E-03	2.61E-03	4.11E-03	8.36E-07	2.53E-06	1.46E-06	1.58E-06	1.43E-06	6.52E-07	1.03E-06	2.79E-08	6.75E-07	1.49E-07	2.14E-07	3.40E-07	5.98E-08	6.78E-08	1.53E-06
4625	483863.09	3859877.25	2.50E-03	2.70E-03	4.23E-03	8.66E-07	2.62E-06	1.51E-06	1.63E-06	1.48E-06	6.75E-07	1.06E-06	2.89E-08	6.99E-07	1.54E-07	2.22E-07	3.52E-07	6.20E-08	6.99E-08	1.59E-06
4626	484363.09	3859877.25	2.63E-03	2.83E-03	4.44E-03	9.10E-07	2.75E-06	1.59E-06	1.71E-06	1.55E-06	7.09E-07	1.11E-06	3.04E-08	7.34E-07	1.62E-07	2.33E-07	3.69E-07	6.51E-08	7.34E-08	1.67E-06
4627	484863.09	3859877.25	2.80E-03	3.01E-03	4.73E-03	9.69E-07	2.92E-06	1.69E-06	1.82E-06	1.65E-06	7.55E-07	1.18E-06	3.23E-08	7.81E-07	1.72E-07	2.48E-07	3.93E-07	6.92E-08	7.80E-08	1.77E-06
4628	485363.09	3859877.25	2.94E-03	3.17E-03	4.97E-03	1.02E-06	3.08E-06	1.78E-06	1.92E-06	1.74E-06	7.94E-07	1.24E-06	3.40E-08	8.22E-07	1.81E-07	2.61E-07	4.13E-07	7.29E-08	8.20E-08	1.87E-06
4629	485863.09	3859877.25	3.06E-03	3.30E-03	5.16E-03	1.06E-06	3.20E-06	1.85E-06	2.00E-06	1.81E-06	8.26E-07	1.29E-06	3.54E-08	8.55E-07	1.89E-07	2.71E-07	4.30E-07	7.58E-08	8.52E-08	1.94E-06
4630	486363.09	3859877.25	3.17E-03	3.42E-03	5.34E-03	1.10E-06	3.32E-06	1.92E-06	2.07E-06	1.88E-06	8.56E-07	1.34E-06	3.67E-08	8.86E-07	1.96E-07	2.81E-07	4.46E-07	7.85E-08	8.82E-08	2.01E-06
4631	486863.09	3859877.25	3.30E-03	3.55E-03	5.55E-03	1.14E-06	3.44E-06	1.99E-06	2.15E-06	1.95E-06	8.88E-07	1.39E-06	3.81E-08	9.20E-07	2.03E-07	2.92E-07	4.63E-07	8.15E-08	9.16E-08	2.09E-06
4632	487363.09	3859877.25	3.31E-03	3.57E-03	5.56E-03	1.15E-06	3.46E-06	2.00E-06	2.16E-06	1.96E-06	8.93E-07	1.39E-06	3.83E-08	9.25E-07	2.04E-07	2.93E-07	4.65E-07	8.19E-08	9.19E-08	2.10E-06
4633	487863.09	3859877.25	3.44E-03	3.71E-03	5.78E-03	1.19E-06	3.60E-06	2.08E-06	2.24E-06	2.03E-06	9.28E-07	1.45E-06	3.98E-08	9.62E-07	2.12E-07	3.05E-07	4.83E-07	8.52E-08	9.55E-08	2.18E-06
4634	488363.09	3859877.25	3.50E-03	3.77E-03	5.89E-03	1.21E-06	3.66E-06	2.12E-06	2.28E-06	2.07E-06	9.44E-07	1.48E-06	4.05E-08	9.78E-07	2.16E-07	3.10E-07	4.92E-07	8.67E-08	9.73E-08	2.22E-06
4635	488863.09	3859877.25	3.65E-03	3.93E-03	6.17E-03	1.26E-06	3.82E-06	2.21E-06	2.38E-06	2.16E-06	9.84E-07	1.54E-06	4.22E-08	1.02E-06	2.25E-07	3.23E-07	5.13E-07	9.03E-08	1.02E-07	2.31E-06
4636	489363.09	3859877.25	3.69E-03	3.98E-03	6.26E-03	1.28E-06	3.86E-06	2.23E-06	2.41E-06	2.18E-06	9.96E-07	1.57E-06	4.27E-08	1.03E-06	2.27E-07	3.27E-07	5.18E-07	9.14E-08	1.03E-07	2.34E-06
4637	489863.09	3859877.25	3.51E-03	3.79E-03	5.96E-03	1.22E-06	3.67E-06	2.12E-06	2.29E-06	2.08E-06	9.47E-07	1.49E-06	4.06E-08	9.80E-07	2.16E-07	3.11E-07	4.93E-07	8.69E-08	9.84E-08	2.23E-06
4638	490363.09	3859877.25	3.44E-03	3.71E-03	5.84E-03	1.19E-06	3.60E-06	2.08E-06	2.24E-06	2.03E-06	9.28E-07	1.46E-06	3.98E-08	9.61E-07	2.12E-07	3.05E-07	4.83E-07	8.52E-08	9.64E-08	2.18E-06
4639	490863.09	3859877.25	3.62E-03	3.90E-03	6.15E-03	1.25E-06	3.78E-06	2.19E-06	2.36E-06	2.14E-06	9.76E-07	1.54E-06	4.18E-08	1.01E-06	2.23E-07	3.20E-07	5.08E-07	8.96E-08	1.02E-07	2.29E-06
4640	491363.09	3859877.25	3.64E-03	3.93E-03	6.21E-03	1.26E-06	3.80E-06	2.20E-06	2.38E-06	2.15E-06	9.82E-07	1.55E-06	4.21E-08	1.02E-06	2.24E-07	3.22E-07	5.12E-07	9.02E-08	1.03E-07	2.31E-06
4641	491863.09	3859877.25	3.58E-03	3.87E-03	6.13E-03	1.24E-06	3.75E-06	2.17E-06	2.34E-06	2.12E-06	9.68E-07	1.54E-06	4.14E-08	1.00E-06	2.21E-07	3.18E-07	5.04E-07	8.88E-08	1.01E-07	2.28E-06
4642	492363.09	3859877.25	3.48E-03	3.75E-03	5.96E-03	1.20E-06	3.63E-06	2.10E-06	2.27E-06	2.06E-06	9.39E-07	1.49E-06	4.02E-08	9.71E-07	2.14E-07	3.08E-07	4.89E-07	8.62E-08	9.84E-08	2.21E-06
4643	492863.09	3859877.25	3.32E-03	3.58E-03	5.69E-03	1.15E-06	3.47E-06	2.01E-06	2.17E-06	1.97E-06	8.97E-07	1.42E-06	3.84E-08	9.27E-07	2.05E-07	2.94E-07	4.67E-07	8.23E-08	9.40E-08	2.11E-06
4644	493363.09	3859877.25	3.16E-03	3.42E-03	5.43E-03	1.10E-06	3.31E-06	1.91E-06	2.07E-06	1.87E-06	8.55E-07	1.36E-06	3.66E-08	8.84E-07	1.95E-07	2.81E-07	4.45E-07	7.85E-08	8.96E-08	2.01E-06
4645	493863.09	3859877.25	3.01E-03	3.25E-03	5.17E-03	1.04E-06	3.15E-06	1.82E-06	1.97E-06	1.78E-06	8.14E-07	1.29E-06	3.48E-08	8.41E-07	1.86E-07	2.67E-07	4.24E-07	7.47E-08	8.54E-08	1.91E-06
4646	494363.09	3859877.25	2.84E-03	3.07E-03	4.88E-03	9.83E-07	2.97E-06	1.72E-06	1.86E-06	1.68E-06	7.68E-07	1.22E-06	3.28E-08	7.93E-07	1.75E-07	2.52E-07	4.00E-07	7.04E-08	8.06E-08	1.80E-06
4647	494863.09	3859877.25	2.72E-03	2.94E-03	4.68E-03	9.43E-07	2.85E-06	1.65E-06	1.78E-06	1.61E-06	7.36E-07	1.17E-06	3.15E-08	7.60E-07	1.68E-07	2.42E-07	3.83E-07	6.75E-08	7.72E-08	1.73E-06
4648	495363.09	3859877.25	2.58E-03	2.79E-03	4.44E-03	8.94E-07	2.70E-06	1.56E-06	1.69E-06	1.53E-06	6.98E-07	1.11E-06	2.98E-08	7.21E-07	1.59E-07	2.29E-07	3.63E-07	6.40E-08	7.33E-08	1.64E-06
4649	495863.09	3859877.25	2.43E-03	2.63E-03	4.18E-03	8.42E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.57E-07	1.05E-06	2.81E-08	6.79E-07	1.50E-07	2.16E-07	3.42E-07	6.03E-08	6.91E-08	1.54E-06
4650	496363.09	3859877.25	2.20E-03	2.38E-03	3.80E-03	7.63E-07	2.30E-06	1.33E-06	1.44E-06	1.31E-06	5.96E-07	9.50E-07	2.55E-08	6.16E-07	1.36E-07	1.96E-07	3.10E-07	5.47E-08	6.27E-08	1.40E-06
4651	496863.09	3859877.25	1.70E-03	1.84E-03	2.93E-03	5.88E-07	1.78E-06	1.03E-06	1.11E-06	1.01E-06	4.59E-07	7.32E-07	1.96E-08	4.75E-07	1.05E-07	1.51E-07	2.39E-07	4.22E-08	4.83E-08	1.08E-06
4652	497363.09	3859877.25	1.98E-03	2.14E-03	3.41E-03	6.85E-07	2.07E-06	1.20E-06	1.29E-06	1.17E-06	5.35E-07	8.53E-07	2.29E-08	5.52E-07	1.22E-07	1.76E-07	2.79E-07	4.91E-08	5.63E-08	1.26E-06
4653	497863.09	3859877.25	2.13E-03	2.30E-03	3.67E-03	7.37E-07	2.23E-06	1.29E-06	1.39E-06	1.26E-06	5.76E-07	9.18E-07	2.46E-08	5.95E-07	1.31E-07	1.89E-07	3.00E-07	5.28E-08	6.05E-08	1.35E-06
4654	498363.09	3859877.25	2.11E-03	2.28E-03	3.64E-03	7.31E-07	2.21E-06	1.28E-06	1.38E-06	1.25E-06	5.71E-07	9.11E-07	2.44E-08	5.90E-07	1.30E-07	1.88E-07	2.97E-07	5.24E-08	6.01E-08	1.34E-06

4655	471363.09	3860377.25	4.30E-04	4.64E-04	7.36E-04	1.49E-07	4.49E-07	2.60E-07	2.81E-07	2.54E-07	1.16E-07	1.84E-07	4.97E-09	1.20E-07	2.65E-08	3.81E-08	6.04E-08	1.07E-08	1.21E-08	2.73E-07
4656	471863.09	3860377.25	4.54E-04	4.90E-04	7.78E-04	1.57E-07	4.75E-07	2.75E-07	2.97E-07	2.69E-07	1.23E-07	1.95E-07	5.25E-09	1.27E-07	2.80E-08	4.03E-08	6.39E-08	1.13E-08	1.28E-08	2.88E-07
4657	472363.09	3860377.25	4.84E-04	5.22E-04	8.28E-04	1.67E-07	5.06E-07	2.93E-07	3.16E-07	2.86E-07	1.31E-07	2.07E-07	5.59E-09	1.35E-07	2.98E-08	4.29E-08	6.80E-08	1.20E-08	1.37E-08	3.07E-07
4658	472863.09	3860377.25	5.16E-04	5.56E-04	8.81E-04	1.79E-07	5.39E-07	3.12E-07	3.37E-07	3.05E-07	1.39E-07	2.21E-07	5.96E-09	1.44E-07	3.18E-08	4.57E-08	7.25E-08	1.28E-08	1.46E-08	3.27E-07
4659	473363.09	3860377.25	5.46E-04	5.89E-04	9.32E-04	1.89E-07	5.70E-07	3.30E-07	3.56E-07	3.23E-07	1.47E-07	2.33E-07	6.31E-09	1.52E-07	3.36E-08	4.84E-08	7.67E-08	1.35E-08	1.54E-08	3.46E-07
4660	473863.09	3860377.25	5.72E-04	6.17E-04	9.77E-04	1.98E-07	5.98E-07	3.46E-07	3.73E-07	3.38E-07	1.54E-07	2.44E-07	6.61E-09	1.60E-07	3.52E-08	5.07E-08	8.04E-08	1.42E-08	1.61E-08	3.63E-07
4661	474363.09	3860377.25	5.80E-04	6.26E-04	9.92E-04	2.01E-07	6.07E-07	3.51E-07	3.79E-07	3.43E-07	1.57E-07	2.48E-07	6.71E-09	1.62E-07	3.58E-08	5.14E-08	8.16E-08	1.44E-08	1.64E-08	3.68E-07
4662	474863.09	3860377.25	5.64E-04	6.09E-04	9.65E-04	1.95E-07	5.90E-07	3.42E-07	3.69E-07	3.34E-07	1.52E-07	2.42E-07	6.52E-09	1.58E-07	3.48E-08	5.00E-08	7.94E-08	1.40E-08	1.59E-08	3.58E-07
4663	475363.09	3860377.25	4.94E-04	5.33E-04	8.45E-04	1.71E-07	5.16E-07	2.99E-07	3.22E-07	2.92E-07	1.33E-07	2.11E-07	5.71E-09	1.38E-07	3.04E-08	4.38E-08	6.95E-08	1.22E-08	1.39E-08	3.13E-07
4664	475863.09	3860377.25	4.03E-04	4.35E-04	6.88E-04	1.39E-07	4.21E-07	2.44E-07	2.63E-07	2.38E-07	1.09E-07	1.72E-07	4.66E-09	1.13E-07	2.48E-08	3.57E-08	5.67E-08	9.99E-09	1.14E-08	2.56E-07
4665	476363.09	3860377.25	3.08E-04	3.32E-04	5.24E-04	1.07E-07	3.22E-07	1.86E-07	2.01E-07	1.82E-07	8.31E-08	1.31E-07	3.56E-09	8.60E-08	1.90E-08	2.73E-08	4.33E-08	7.63E-09	8.65E-09	1.95E-07
4666	476863.09	3860377.25	2.75E-04	2.97E-04	4.67E-04	9.52E-08	2.88E-07	1.66E-07	1.79E-07	1.63E-07	7.42E-08	1.17E-07	3.18E-09	7.68E-08	1.69E-08	2.44E-08	3.87E-08	6.81E-09	7.71E-09	1.74E-07
4667	477363.09	3860377.25	1.67E-04	1.80E-04	2.82E-04	5.77E-08	1.74E-07	1.01E-07	1.09E-07	9.85E-08	4.49E-08	7.05E-08	1.93E-09	4.65E-08	1.03E-08	1.48E-08	2.34E-08	4.12E-09	4.65E-09	1.06E-07
4668	477863.09	3860377.25	2.12E-04	2.28E-04	3.58E-04	7.33E-08	2.21E-07	1.28E-07	1.38E-07	1.25E-07	5.71E-08	8.97E-08	2.45E-09	5.91E-08	1.30E-08	1.87E-08	2.97E-08	5.24E-09	5.92E-09	1.34E-07
4669	478363.09	3860377.25	4.12E-04	4.45E-04	7.02E-04	1.43E-07	4.31E-07	2.49E-07	2.69E-07	2.44E-07	1.11E-07	1.76E-07	4.76E-09	1.15E-07	2.54E-08	3.65E-08	5.79E-08	1.02E-08	1.16E-08	2.61E-07
4670	478863.09	3860377.25	6.49E-04	7.00E-04	1.11E-03	2.25E-07	6.79E-07	3.93E-07	4.24E-07	3.84E-07	1.75E-07	2.78E-07	7.50E-09	1.81E-07	4.00E-08	5.75E-08	9.13E-08	1.61E-08	1.83E-08	4.12E-07
4671	479363.09	3860377.25	9.41E-04	1.02E-03	1.61E-03	3.26E-07	9.84E-07	5.70E-07	6.15E-07	5.57E-07	2.54E-07	4.03E-07	1.09E-08	2.63E-07	5.80E-08	8.35E-08	1.32E-07	2.33E-08	2.66E-08	5.97E-07
4672	479863.09	3860377.25	1.18E-03	1.28E-03	2.03E-03	4.10E-07	1.24E-06	7.17E-07	7.73E-07	7.01E-07	3.20E-07	5.07E-07	1.37E-08	3.31E-07	7.30E-08	1.05E-07	1.67E-07	2.94E-08	3.35E-08	7.52E-07
4673	480363.09	3860377.25	1.34E-03	1.45E-03	2.29E-03	4.64E-07	1.40E-06	8.12E-07	8.76E-07	7.94E-07	3.62E-07	5.73E-07	1.55E-08	3.75E-07	8.27E-08	1.19E-07	1.89E-07	3.32E-08	3.78E-08	8.51E-07
4674	480863.09	3860377.25	1.46E-03	1.58E-03	2.49E-03	5.05E-07	1.53E-06	8.84E-07	9.53E-07	8.64E-07	3.94E-07	6.23E-07	1.69E-08	4.08E-07	9.00E-08	1.29E-07	2.05E-07	3.62E-08	4.11E-08	9.26E-07
4675	481363.09	3860377.25	1.57E-03	1.70E-03	2.68E-03	5.44E-07	1.64E-06	9.51E-07	1.03E-06	9.30E-07	4.24E-07	6.70E-07	1.82E-08	4.39E-07	9.69E-08	1.39E-07	2.21E-07	3.89E-08	4.42E-08	9.97E-07
4676	481863.09	3860377.25	1.69E-03	1.82E-03	2.88E-03	5.85E-07	1.77E-06	1.02E-06	1.10E-06	1.00E-06	4.56E-07	7.21E-07	1.95E-08	4.72E-07	1.04E-07	1.50E-07	2.38E-07	4.19E-08	4.75E-08	1.07E-06
4677	482363.09	3860377.25	1.81E-03	1.95E-03	3.07E-03	6.25E-07	1.89E-06	1.09E-06	1.18E-06	1.07E-06	4.88E-07	7.69E-07	2.09E-08	5.04E-07	1.11E-07	1.60E-07	2.54E-07	4.47E-08	5.07E-08	1.15E-06
4678	482863.09	3860377.25	1.92E-03	2.07E-03	3.27E-03	6.65E-07	2.01E-06	1.16E-06	1.25E-06	1.14E-06	5.19E-07	8.18E-07	2.22E-08	5.37E-07	1.18E-07	1.70E-07	2.70E-07	4.76E-08	5.39E-08	1.22E-06
4679	483363.09	3860377.25	2.03E-03	2.19E-03	3.45E-03	7.04E-07	2.13E-06	1.23E-06	1.33E-06	1.20E-06	5.49E-07	8.64E-07	2.35E-08	5.68E-07	1.25E-07	1.80E-07	2.86E-07	5.04E-08	5.70E-08	1.29E-06
4680	483863.09	3860377.25	2.14E-03	2.31E-03	3.63E-03	7.41E-07	2.24E-06	1.30E-06	1.40E-06	1.27E-06	5.78E-07	9.07E-07	2.48E-08	5.98E-07	1.32E-07	1.90E-07	3.01E-07	5.30E-08	5.99E-08	1.36E-06
4681	484363.09	3860377.25	2.17E-03	2.34E-03	3.66E-03	7.51E-07	2.27E-06	1.31E-06	1.41E-06	1.28E-06	5.85E-07	9.17E-07	2.51E-08	6.06E-07	1.34E-07	1.92E-07	3.05E-07	5.37E-08	6.05E-08	1.38E-06
4682	484863.09	3860377.25	2.27E-03	2.44E-03	3.82E-03	7.84E-07	2.37E-06	1.37E-06	1.48E-06	1.34E-06	6.11E-07	9.57E-07	2.62E-08	6.33E-07	1.40E-07	2.01E-07	3.18E-07	5.61E-08	6.31E-08	1.44E-06
4683	485363.09	3860377.25	2.35E-03	2.53E-03	3.96E-03	8.12E-07	2.45E-06	1.42E-06	1.53E-06	1.39E-06	6.33E-07	9.90E-07	2.71E-08	6.55E-07	1.45E-07	2.08E-07	3.30E-07	5.81E-08	6.53E-08	1.49E-06
4684	485863.09	3860377.25	2.42E-03	2.60E-03	4.07E-03	8.36E-07	2.52E-06	1.46E-06	1.57E-06	1.43E-06	6.51E-07	1.02E-06	2.79E-08	6.74E-07	1.49E-07	2.14E-07	3.39E-07	5.98E-08	6.72E-08	1.53E-06
4685	486363.09	3860377.25	2.44E-03	2.63E-03	4.11E-03	8.45E-07	2.55E-06	1.48E-06	1.59E-06	1.44E-06	6.58E-07	1.03E-06	2.82E-08	6.82E-07	1.50E-07	2.16E-07	3.43E-07	6.04E-08	6.79E-08	1.55E-06
4686	486863.09	3860377.25	2.45E-03	2.64E-03	4.13E-03	8.50E-07	2.57E-06	1.49E-06	1.60E-06	1.45E-06	6.62E-07	1.03E-06	2.84E-08	6.85E-07	1.51E-07	2.17E-07	3.45E-07	6.07E-08	6.82E-08	1.56E-06
4687	487363.09	3860377.25	2.46E-03	2.65E-03	4.14E-03	8.53E-07	2.57E-06	1.49E-06	1.60E-06	1.45E-06	6.64E-07	1.04E-06	2.85E-08	6.88E-07	1.52E-07	2.18E-07	3.46E-07	6.09E-08	6.84E-08	1.56E-06
4688	487863.09	3860377.25	2.52E-03	2.71E-03	4.23E-03	8.71E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.78E-07	1.06E-06	2.91E-08	7.02E-07	1.55E-07	2.23E-07	3.53E-07	6.22E-08	6.99E-08	1.59E-06
4689	488363.09	3860377.25	2.57E-03	2.77E-03	4.33E-03	8.89E-07	2.68E-06	1.55E-06	1.67E-06	1.52E-06	6.92E-07	1.08E-06	2.97E-08	7.17E-07	1.58E-07	2.27E-07	3.61E-07	6.35E-08	7.15E-08	1.63E-06
4690	488863.09	3860377.25	2.63E-03	2.83E-03	4.45E-03	9.10E-07	2.75E-06	1.59E-06	1.71E-06	1.55E-06	7.09E-07	1.11E-06	3.04E-08	7.34E-07	1.62E-07	2.33E-07	3.69E-07	6.51E-08	7.35E-08	1.67E-06
4691	489363.09	3860377.25	2.71E-03	2.92E-03	4.60E-03	9.37E-07	2.83E-06	1.64E-06	1.77E-06	1.60E-06	7.31E-07	1.15E-06	3.13E-08	7.56E-07	1.67E-07	2.40E-07	3.80E-07	6.70E-08	7.59E-08	1.72E-06
4692	489863.09	3860377.25	2.74E-03	2.96E-03	4.67E-03	9.50E-07	2.87E-06	1.66E-06	1.79E-06	1.62E-06	7.40E-07	1.17E-06	3.17E-08	7.66E-07	1.69E-07	2.43E-07	3.86E-07	6.79E-08	7.71E-08	1.74E-06
4693	490363.09	3860377.25	2.60E-03	2.81E-03	4.43E-03	9.01E-07	2.72E-06	1.57E-06	1.70E-06	1.54E-06	7.03E-07	1.11E-06	3.01E-08	7.27E-07	1.60E-07	2.31E-07	3.66E-07	6.45E-08	7.32E-08	1.65E-06
4694	490863.09	3860377.25	2.49E-03	2.68E-03	4.24E-03	8.62E-07	2.60E-06	1.51E-06	1.62E-06	1.47E-06	6.72E-07	1.06E-06	2.88E-08	6.95E-07	1.53E-07	2.21E-07	3.50E-07	6.17E-08	7.00E-08	1.58E-06
4695	491363.09	3860377.25	2.51E-03	2.71E-03	4.28E-03	8.70E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.78E-07	1.07E-06	2.90E-08	7.01E-07	1.55E-07	2.23E-07	3.53E-07	6.22E-08	7.07E-08	1.59E-06
4696	491863.09	3860377.25	2.60E-03	2.81E-03	4.45E-03	9.02E-07	2.72E-06	1.58E-06	1.70E-06	1.54E-06	7.03E-07	1.11E-06	3.01E-08	7.27E-07	1.60E-07	2.31E-07	3.66E-07	6.45E-08	7.34E-08	1.65E-06
4697	492363.09	3860377.25	2.68E-03	2.90E-03	4.60E-03	9.29E-07	2.81E-06	1.62E-06	1.75E-06	1.59E-06	7.25E-07	1.15E-06	3.10E-08	7.50E-07	1.65E-07	2.38E-07	3.78E-07	6.66E-08	7.59E-08	1.70E-06
4698	492863.09	3860377.25	2.66E-03	2.87E-03	4.56E-03	9.20E-07	2.78E-06	1.61E-06	1.74E-06	1.57E-06	7.18E-07	1.14E-06	3.07E-08	7.42E-07	1.64E-07	2.36E-07	3.74E-07	6.59E-08	7.52E-08	1.69E-06
4699	493363.09	3860377.25	2.63E-03	2.84E-03	4.51E-03	9.09E-07	2.74E-06	1.59E-06	1.72E-06	1.55E-06	7.10E-07	1.13E-06	3.04E-08	7.33E-07	1.62E-07	2.33E-07	3.69E-07	6.51E-08	7.45E-08	1.67E-06
4700	493863.09	3860377.25	2.54E-03	2.74E-03	4.36E-03	8.79E-07	2.65E-06	1.54E-06	1.66E-06	1.50E-06	6.86E-07	1.09E-06	2.93E-08	7.09E-07	1.56E-07	2.25E-07	3.57E-07	6.30E-08	7.20E-08	1.61E-06
4701	494363.09	3860377.25	2.46E-03	2.66E-03	4.23E-03	8.52E-07	2.57E-06	1.49E-06	1.61E-06	1.46E-06	6.65E-07	1.06E-06	2.85E-08	6.87E-07	1.52E-07	2.18E-07	3.47E-07	6.11E-08	6.99E-08	1.56E-06
4702	494863.09	3860377.25	2.37E-03	2.56E-03	4.08E-03	8.21E-07	2.48E-06	1.43E-06	1.55E-06	1.40E-06	6.41E-07	1.02E-06	2.74E-08	6.62E-07	1.46E-07	2.10E-07	3.34E-07	5.88E-08	6.74E-08	1.51E-06
4703	495363.09	3860377.25	2.29E-03	2.48E-03	3.95E-03	7.93E-07	2.40E-06	1.39E-06	1.50E-06	1.36E-06	6.20E-07	9.87E-07	2.65E-08	6.40E-07	1.41E-07	2.03E-07	3.23E-07	5.69E-08	6.51E-08	1.46E-06
4704	495863.09	3860377.25	2.17E-03	2.34E-03	3.72E-03	7.50E-07	2.26E-06	1.31E-06	1.42E-06	1.28E-06	5.86E-07	9.32E-07	2.50E-08	6.05E-07	1.34E-07	1.92E-07	3.05E-07	5.37E-08	6.15E-08	1.38E-06
4705	496363.09	3860377.25	2.02E-03	2.18E-03	3.47E-03	6.98E-07	2.11E-06	1.22E-06	1.32E-06	1.19E-06	5.45E-07	8.68E-07	2.33E-08	5.63E-07	1.24E-07	1.79E-07	2.84E-07	5.00E-08	5.72E-08	1.28E-06
4706	496863.09	3860377.25	1.87E-03	2.02E-03	3.22E-03	6.47E-07	1.95E-06	1.13E-06	1.22E-06	1.11E-06	5.05E-07	8.05E-07	2.16E-08	5.22E-07	1.15E-07	1.66E-07	2.63E-07	4.64E-08	5.31E-08	1.19E-06
4707	497363.09	3860377.25	1.68E-03	1.81E-03	2.89E-03	5.81E-07	1.76E-06	1.02E-06	1.10E-06	9.95E-07	4.54E-07	7.24E-07	1.94E-08	4.69E-07	1.03E-07	1.49E-07	2.36E-07	4.17E-08	4.77E-08	1.07E-06
4708	497863.09	3860377.25	1.84E-03	1.98E-03	3.16E-03	6.36E-07	1.92E-06	1.11E-06	1.20E-06	1.09E-06	4.96E-07	7.91E-07	2.12E-08	5.13E-07	1.13E-07	1.63E-07	2.58E-07	4.56E-08	5.22E-08	1.17E-06
4709	498363.09	3860377.25	1.87E-03	2.02E-03	3.22E-03	6.47E-07	1.95E-06	1.13E-06	1.22E-06	1.11E-06	5.05E-07	8.06E-07	2.16E-08	5.22E-07	1.15E-07	1.66E-07	2.63E-07	4.64E-08	5.31E-08	1.19E-06
4710	471363.09	3860877.25	4.34E-04	4.69E-04	7.43E-04	1.50E-07	4.54E-07	2.63E-07	2.84E-07	2.57E-07	1.17E-07	1.86E-07	5.02E-09	1.21E-07	2.68E-08	3.85E-08	6.11E-08	1.08E-08	1.23E-08	2.76E-07
4711	471863.09	3860877.25	4.58E-04	4.95E-04	7.84E-04	1.59E-07	4.79E-07	2.77E-07	2.99E-07	2.71E-07	1.24E-07	1.96E-07	5.30E-09	1.28E-07	2.82E-08	4.06E-08	6.45E-08	1.14E-08	1.29E-08	2.91E-07
4712	472363.09	3860877.25	4.82E-04	5.20E-04	8.24E-04	1.67E-07	5.04E-07	2.92E-07	3.15E-07	2.85E-07	1.30E-07	2.06E-07	5.57E-09	1.35E-07	2.97E-08	4.27E-08	6.78E-08	1.19E-08	1.36E-08	3.06E-07
4713	472863.09	3860877.25	5.09E-04	5.49E-04	8.70E-04	1.76E-07	5.32E-07	3.08E-07	3.32E-07	3.01E-07	1.38E-07	2.18E-07	5.89E-09	1.42E-07	3.14E-08	4.51E-08	7.16E-08	1.26E-08	1.44E-08	3.23E-07

4714	473363.09	3860877.25	5.34E-04	5.76E-04	9.11E-04	1.85E-07	5.58E-07	3.23E-07	3.48E-07	3.16E-07	1.44E-07	2.28E-07	6.17E-09	1.49E-07	3.29E-08	4.73E-08	7.50E-08	1.32E-08	1.50E-08	3.39E-07
4715	473863.09	3860877.25	5.58E-04	6.02E-04	9.54E-04	1.93E-07	5.84E-07	3.38E-07	3.65E-07	3.30E-07	1.51E-07	2.39E-07	6.45E-09	1.56E-07	3.44E-08	4.95E-08	7.85E-08	1.38E-08	1.57E-08	3.54E-07
4716	474363.09	3860877.25	5.82E-04	6.27E-04	9.94E-04	2.01E-07	6.08E-07	3.52E-07	3.80E-07	3.44E-07	1.57E-07	2.49E-07	6.72E-09	1.62E-07	3.58E-08	5.15E-08	8.18E-08	1.44E-08	1.64E-08	3.69E-07
4717	474863.09	3860877.25	6.09E-04	6.57E-04	1.04E-03	2.11E-07	6.36E-07	3.68E-07	3.97E-07	3.60E-07	1.64E-07	2.60E-07	7.03E-09	1.70E-07	3.75E-08	5.39E-08	8.56E-08	1.51E-08	1.72E-08	3.86E-07
4718	475363.09	3860877.25	6.13E-04	6.62E-04	1.05E-03	2.12E-07	6.41E-07	3.71E-07	4.00E-07	3.63E-07	1.66E-07	2.63E-07	7.09E-09	1.71E-07	3.78E-08	5.44E-08	8.62E-08	1.52E-08	1.73E-08	3.89E-07
4719	475863.09	3860877.25	5.87E-04	6.34E-04	1.00E-03	2.03E-07	6.14E-07	3.55E-07	3.83E-07	3.48E-07	1.59E-07	2.52E-07	6.79E-09	1.64E-07	3.62E-08	5.21E-08	8.26E-08	1.46E-08	1.66E-08	3.73E-07
4720	476363.09	3860877.25	5.25E-04	5.66E-04	8.98E-04	1.82E-07	5.48E-07	3.18E-07	3.43E-07	3.11E-07	1.42E-07	2.25E-07	6.07E-09	1.47E-07	3.23E-08	4.65E-08	7.38E-08	1.30E-08	1.48E-08	3.33E-07
4721	476863.09	3860877.25	5.01E-04	5.41E-04	8.57E-04	1.73E-07	5.24E-07	3.03E-07	3.27E-07	2.97E-07	1.35E-07	2.14E-07	5.79E-09	1.40E-07	3.09E-08	4.44E-08	7.05E-08	1.24E-08	1.41E-08	3.18E-07
4722	477363.09	3860877.25	5.19E-04	5.60E-04	8.88E-04	1.80E-07	5.43E-07	3.14E-07	3.39E-07	3.07E-07	1.40E-07	2.22E-07	6.00E-09	1.45E-07	3.20E-08	4.60E-08	7.30E-08	1.29E-08	1.47E-08	3.29E-07
4723	477863.09	3860877.25	4.41E-04	4.76E-04	7.52E-04	1.53E-07	4.61E-07	2.67E-07	2.88E-07	2.61E-07	1.19E-07	1.88E-07	5.10E-09	1.23E-07	2.72E-08	3.91E-08	6.20E-08	1.09E-08	1.24E-08	2.80E-07
4724	478363.09	3860877.25	2.53E-04	2.72E-04	4.28E-04	8.75E-08	2.64E-07	1.53E-07	1.65E-07	1.49E-07	6.82E-08	1.07E-07	2.92E-09	7.06E-08	1.56E-08	2.24E-08	3.55E-08	6.26E-09	7.07E-09	1.60E-07
4725	478863.09	3860877.25	6.02E-04	6.50E-04	1.03E-03	2.08E-07	6.29E-07	3.64E-07	3.93E-07	3.56E-07	1.63E-07	2.58E-07	6.96E-09	1.68E-07	3.71E-08	5.34E-08	8.47E-08	1.49E-08	1.70E-08	3.82E-07
4726	479363.09	3860877.25	9.02E-04	9.74E-04	1.55E-03	3.12E-07	9.43E-07	5.46E-07	5.89E-07	5.34E-07	2.44E-07	3.87E-07	1.04E-08	2.52E-07	5.56E-08	8.00E-08	1.27E-07	2.24E-08	2.55E-08	5.73E-07
4727	479863.09	3860877.25	1.10E-03	1.19E-03	1.88E-03	3.81E-07	1.15E-06	6.67E-07	7.19E-07	6.52E-07	2.98E-07	4.71E-07	1.27E-08	3.08E-07	6.79E-08	9.77E-08	1.55E-07	2.73E-08	3.11E-08	6.99E-07
4728	480363.09	3860877.25	1.22E-03	1.32E-03	2.08E-03	4.22E-07	1.28E-06	7.38E-07	7.96E-07	7.22E-07	3.29E-07	5.21E-07	1.41E-08	3.41E-07	7.52E-08	1.08E-07	1.71E-07	3.02E-08	3.43E-08	7.74E-07
4729	480863.09	3860877.25	1.31E-03	1.41E-03	2.22E-03	4.52E-07	1.37E-06	7.91E-07	8.53E-07	7.73E-07	3.53E-07	5.57E-07	1.51E-08	3.65E-07	8.05E-08	1.16E-07	1.84E-07	3.24E-08	3.67E-08	8.29E-07
4730	481363.09	3860877.25	1.40E-03	1.51E-03	2.38E-03	4.84E-07	1.46E-06	8.46E-07	9.12E-07	8.27E-07	3.77E-07	5.95E-07	1.62E-08	3.90E-07	8.61E-08	1.24E-07	1.96E-07	3.46E-08	3.93E-08	8.87E-07
4731	481863.09	3860877.25	1.48E-03	1.60E-03	2.52E-03	5.13E-07	1.55E-06	8.96E-07	9.66E-07	8.76E-07	4.00E-07	6.30E-07	1.71E-08	4.13E-07	9.12E-08	1.31E-07	2.08E-07	3.67E-08	4.16E-08	9.39E-07
4732	482363.09	3860877.25	1.57E-03	1.69E-03	2.67E-03	5.43E-07	1.64E-06	9.50E-07	1.02E-06	9.28E-07	4.24E-07	6.67E-07	1.81E-08	4.38E-07	9.67E-08	1.39E-07	2.21E-07	3.89E-08	4.40E-08	9.96E-07
4733	482863.09	3860877.25	1.65E-03	1.78E-03	2.81E-03	5.73E-07	1.73E-06	1.00E-06	1.08E-06	9.78E-07	4.46E-07	7.03E-07	1.91E-08	4.62E-07	1.02E-07	1.47E-07	2.32E-07	4.10E-08	4.63E-08	1.05E-06
4734	483363.09	3860877.25	1.73E-03	1.87E-03	2.93E-03	5.99E-07	1.81E-06	1.05E-06	1.13E-06	1.02E-06	4.67E-07	7.34E-07	2.00E-08	4.83E-07	1.07E-07	1.53E-07	2.43E-07	4.28E-08	4.84E-08	1.10E-06
4735	483863.09	3860877.25	1.80E-03	1.94E-03	3.05E-03	6.24E-07	1.88E-06	1.09E-06	1.18E-06	1.07E-06	4.86E-07	7.63E-07	2.08E-08	5.03E-07	1.11E-07	1.60E-07	2.53E-07	4.46E-08	5.03E-08	1.14E-06
4736	484363.09	3860877.25	1.85E-03	2.00E-03	3.13E-03	6.42E-07	1.94E-06	1.12E-06	1.21E-06	1.10E-06	5.00E-07	7.84E-07	2.14E-08	5.18E-07	1.14E-07	1.64E-07	2.60E-07	4.59E-08	5.17E-08	1.18E-06
4737	484863.09	3860877.25	1.87E-03	2.02E-03	3.16E-03	6.48E-07	1.96E-06	1.13E-06	1.22E-06	1.11E-06	5.05E-07	7.90E-07	2.16E-08	5.23E-07	1.15E-07	1.66E-07	2.63E-07	4.63E-08	5.21E-08	1.19E-06
4738	485363.09	3860877.25	1.93E-03	2.08E-03	3.25E-03	6.68E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.20E-07	8.14E-07	2.23E-08	5.39E-07	1.19E-07	1.71E-07	2.71E-07	4.77E-08	5.37E-08	1.22E-06
4739	485863.09	3860877.25	1.98E-03	2.14E-03	3.34E-03	6.86E-07	2.07E-06	1.20E-06	1.29E-06	1.17E-06	5.35E-07	8.37E-07	2.29E-08	5.54E-07	1.22E-07	1.75E-07	2.78E-07	4.91E-08	5.52E-08	1.26E-06
4740	486363.09	3860877.25	1.96E-03	2.11E-03	3.30E-03	6.77E-07	2.05E-06	1.18E-06	1.28E-06	1.16E-06	5.28E-07	8.25E-07	2.26E-08	5.46E-07	1.21E-07	1.73E-07	2.75E-07	4.84E-08	5.44E-08	1.24E-06
4741	486863.09	3860877.25	1.94E-03	2.09E-03	3.27E-03	6.72E-07	2.03E-06	1.18E-06	1.27E-06	1.15E-06	5.24E-07	8.18E-07	2.25E-08	5.42E-07	1.20E-07	1.72E-07	2.73E-07	4.81E-08	5.39E-08	1.23E-06
4742	487363.09	3860877.25	1.94E-03	2.09E-03	3.27E-03	6.72E-07	2.03E-06	1.17E-06	1.27E-06	1.15E-06	5.23E-07	8.18E-07	2.24E-08	5.42E-07	1.20E-07	1.72E-07	2.73E-07	4.80E-08	5.39E-08	1.23E-06
4743	487863.09	3860877.25	1.94E-03	2.09E-03	3.26E-03	6.71E-07	2.03E-06	1.17E-06	1.26E-06	1.15E-06	5.22E-07	8.17E-07	2.24E-08	5.41E-07	1.19E-07	1.72E-07	2.72E-07	4.79E-08	5.39E-08	1.23E-06
4744	488363.09	3860877.25	2.02E-03	2.18E-03	3.41E-03	6.99E-07	2.11E-06	1.22E-06	1.32E-06	1.19E-06	5.45E-07	8.54E-07	2.34E-08	5.64E-07	1.24E-07	1.79E-07	2.84E-07	5.00E-08	5.63E-08	1.28E-06
4745	488863.09	3860877.25	2.02E-03	2.18E-03	3.43E-03	7.00E-07	2.11E-06	1.22E-06	1.32E-06	1.20E-06	5.46E-07	8.57E-07	2.34E-08	5.65E-07	1.25E-07	1.79E-07	2.84E-07	5.01E-08	5.66E-08	1.28E-06
4746	489363.09	3860877.25	2.09E-03	2.26E-03	3.55E-03	7.25E-07	2.19E-06	1.27E-06	1.37E-06	1.24E-06	5.65E-07	8.90E-07	2.42E-08	5.85E-07	1.29E-07	1.85E-07	2.94E-07	5.19E-08	5.87E-08	1.33E-06
4747	489863.09	3860877.25	2.10E-03	2.26E-03	3.57E-03	7.26E-07	2.19E-06	1.27E-06	1.37E-06	1.24E-06	5.66E-07	8.93E-07	2.42E-08	5.86E-07	1.29E-07	1.86E-07	2.95E-07	5.20E-08	5.89E-08	1.33E-06
4748	490363.09	3860877.25	2.12E-03	2.29E-03	3.62E-03	7.35E-07	2.22E-06	1.28E-06	1.39E-06	1.26E-06	5.73E-07	9.05E-07	2.45E-08	5.93E-07	1.31E-07	1.88E-07	2.98E-07	5.26E-08	5.97E-08	1.35E-06
4749	490863.09	3860877.25	2.04E-03	2.20E-03	3.48E-03	7.06E-07	2.13E-06	1.23E-06	1.33E-06	1.21E-06	5.51E-07	8.71E-07	2.36E-08	5.70E-07	1.26E-07	1.81E-07	2.87E-07	5.06E-08	5.75E-08	1.30E-06
4750	491363.09	3860877.25	1.94E-03	2.09E-03	3.31E-03	6.71E-07	2.03E-06	1.17E-06	1.26E-06	1.15E-06	5.23E-07	8.28E-07	2.24E-08	5.41E-07	1.19E-07	1.72E-07	2.72E-07	4.80E-08	5.46E-08	1.23E-06
4751	491863.09	3860877.25	1.93E-03	2.08E-03	3.29E-03	6.67E-07	2.01E-06	1.17E-06	1.26E-06	1.14E-06	5.20E-07	8.24E-07	2.23E-08	5.38E-07	1.19E-07	1.71E-07	2.71E-07	4.78E-08	5.43E-08	1.22E-06
4752	492363.09	3860877.25	1.95E-03	2.10E-03	3.33E-03	6.74E-07	2.03E-06	1.18E-06	1.27E-06	1.15E-06	5.26E-07	8.32E-07	2.25E-08	5.44E-07	1.20E-07	1.73E-07	2.74E-07	4.82E-08	5.49E-08	1.24E-06
4753	492863.09	3860877.25	2.02E-03	2.18E-03	3.45E-03	6.99E-07	2.11E-06	1.22E-06	1.32E-06	1.20E-06	5.45E-07	8.65E-07	2.33E-08	5.64E-07	1.24E-07	1.79E-07	2.84E-07	5.00E-08	5.70E-08	1.28E-06
4754	493363.09	3860877.25	2.09E-03	2.25E-03	3.58E-03	7.22E-07	2.18E-06	1.26E-06	1.36E-06	1.24E-06	5.64E-07	8.95E-07	2.41E-08	5.82E-07	1.29E-07	1.85E-07	2.93E-07	5.17E-08	5.90E-08	1.32E-06
4755	493863.09	3860877.25	2.07E-03	2.24E-03	3.56E-03	7.17E-07	2.17E-06	1.25E-06	1.35E-06	1.23E-06	5.60E-07	8.91E-07	2.40E-08	5.79E-07	1.28E-07	1.84E-07	2.92E-07	5.14E-08	5.87E-08	1.32E-06
4756	494363.09	3860877.25	2.04E-03	2.20E-03	3.50E-03	7.05E-07	2.13E-06	1.23E-06	1.33E-06	1.21E-06	5.51E-07	8.77E-07	2.36E-08	5.69E-07	1.26E-07	1.81E-07	2.87E-07	5.05E-08	5.78E-08	1.29E-06
4757	494863.09	3860877.25	2.00E-03	2.16E-03	3.44E-03	6.92E-07	2.09E-06	1.21E-06	1.31E-06	1.18E-06	5.41E-07	8.61E-07	2.31E-08	5.58E-07	1.23E-07	1.77E-07	2.81E-07	4.96E-08	5.68E-08	1.27E-06
4758	495363.09	3860877.25	1.95E-03	2.11E-03	3.36E-03	6.76E-07	2.04E-06	1.18E-06	1.28E-06	1.16E-06	5.28E-07	8.41E-07	2.26E-08	5.45E-07	1.20E-07	1.73E-07	2.75E-07	4.84E-08	5.55E-08	1.24E-06
4759	495863.09	3860877.25	1.89E-03	2.04E-03	3.26E-03	6.55E-07	1.98E-06	1.15E-06	1.24E-06	1.12E-06	5.12E-07	8.16E-07	2.19E-08	5.29E-07	1.17E-07	1.68E-07	2.66E-07	4.70E-08	5.38E-08	1.20E-06
4760	496363.09	3860877.25	1.85E-03	2.00E-03	3.19E-03	6.41E-07	1.94E-06	1.12E-06	1.21E-06	1.10E-06	5.01E-07	7.99E-07	2.14E-08	5.17E-07	1.14E-07	1.64E-07	2.61E-07	4.59E-08	5.27E-08	1.18E-06
4761	496863.09	3860877.25	1.77E-03	1.91E-03	3.04E-03	6.12E-07	1.85E-06	1.07E-06	1.16E-06	1.05E-06	4.78E-07	7.61E-07	2.04E-08	4.94E-07	1.09E-07	1.57E-07	2.49E-07	4.38E-08	5.02E-08	1.12E-06
4762	497363.09	3860877.25	1.72E-03	1.85E-03	2.95E-03	5.95E-07	1.80E-06	1.04E-06	1.12E-06	1.02E-06	4.64E-07	7.39E-07	1.99E-08	4.80E-07	1.06E-07	1.52E-07	2.42E-07	4.26E-08	4.87E-08	1.09E-06
4763	497863.09	3860877.25	1.66E-03	1.79E-03	2.85E-03	5.74E-07	1.73E-06	1.00E-06	1.08E-06	9.81E-07	4.48E-07	7.13E-07	1.92E-08	4.63E-07	1.02E-07	1.47E-07	2.33E-07	4.11E-08	4.70E-08	1.05E-06
4764	498363.09	3860877.25	1.64E-03	1.77E-03	2.83E-03	5.69E-07	1.72E-06	9.94E-07	1.07E-06	9.73E-07	4.44E-07	7.08E-07	1.90E-08	4.59E-07	1.01E-07	1.46E-07	2.31E-07	4.07E-08	4.67E-08	1.04E-06
4765	471363.09	3861377.25	4.33E-04	4.67E-04	7.40E-04	1.50E-07	4.53E-07	2.62E-07	2.83E-07	2.56E-07	1.17E-07	1.85E-07	5.01E-09	1.21E-07	2.67E-08	3.84E-08	6.09E-08	1.07E-08	1.22E-08	2.75E-07
4766	471863.09	3861377.25	4.53E-04	4.89E-04	7.74E-04	1.57E-07	4.73E-07	2.74E-07	2.96E-07	2.68E-07	1.22E-07	1.94E-07	5.24E-09	1.26E-07	2.79E-08	4.02E-08	6.37E-08	1.12E-08	1.28E-08	2.87E-07
4767	472363.09	3861377.25	4.74E-04	5.11E-04	8.09E-04	1.64E-07	4.95E-07	2.87E-07	3.09E-07	2.80E-07	1.28E-07	2.03E-07	5.48E-09	1.32E-07	2.92E-08	4.20E-08	6.66E-08	1.17E-08	1.34E-08	3.01E-07
4768	472863.09	3861377.25	4.98E-04	5.37E-04	8.50E-04	1.72E-07	5.20E-07	3.01E-07	3.25E-07	2.95E-07	1.34E-07	2.13E-07	5.75E-09	1.39E-07	3.07E-08	4.41E-08	7.00E-08	1.23E-08	1.40E-08	3.16E-07
4769	473363.09	3861377.25	5.21E-04	5.62E-04	8.90E-04	1.80E-07	5.45E-07	3.15E-07	3.40E-07	3.08E-07	1.41E-07	2.23E-07	6.02E-09	1.46E-07	3.21E-08	4.62E-08	7.33E-08	1.29E-08	1.47E-08	3.31E-07
4770	473863.09	3861377.25	5.43E-04	5.86E-04	9.28E-04	1.88E-07	5.68E-07	3.29E-07	3.55E-07	3.22E-07	1.47E-07	2.32E-07	6.28E-09	1.52E-07	3.35E-08	4.82E-08	7.64E-08	1.35E-08	1.53E-08	3.45E-07
4771	474363.09	3861377.25	5.73E-04	6.18E-04	9.78E-04	1.98E-07	5.98E-07	3.46E-07	3.74E-07	3.39E-07	1.55E-07	2.45E-07	6.62E-09	1.60E-07	3.53E-08	5.08E-08	8.05E-08	1.42E-08	1.61E-08	3.63E-07
4772	474863.09	3861377.25	5.95E-04	6.42E-04	1.02E-03	2.06E-07	6.22E-07	3.60E-07	3.88E-07	3.52E-07	1.61E-07	2.54E-07	6.88E-09	1.66E-07	3.67E-08	5.27E-08	8.36E-08	1.47E-08	1.68E-08	3.78E-07

4773	475363.09	3861377.25	6.27E-04	6.77E-04	1.07E-03	2.17E-07	6.56E-07	3.79E-07	4.09E-07	3.71E-07	1.69E-07	2.68E-07	7.25E-09	1.75E-07	3.86E-08	5.56E-08	8.82E-08	1.55E-08	1.77E-08	3.98E-07
4774	475863.09	3861377.25	6.46E-04	6.97E-04	1.10E-03	2.24E-07	6.75E-07	3.91E-07	4.22E-07	3.82E-07	1.74E-07	2.76E-07	7.47E-09	1.80E-07	3.98E-08	5.73E-08	9.08E-08	1.60E-08	1.82E-08	4.10E-07
4775	476363.09	3861377.25	6.51E-04	7.03E-04	1.11E-03	2.25E-07	6.81E-07	3.94E-07	4.25E-07	3.85E-07	1.76E-07	2.79E-07	7.53E-09	1.82E-07	4.01E-08	5.77E-08	9.16E-08	1.61E-08	1.84E-08	4.13E-07
4776	476863.09	3861377.25	6.58E-04	7.10E-04	1.13E-03	2.28E-07	6.88E-07	3.98E-07	4.30E-07	3.89E-07	1.78E-07	2.82E-07	7.60E-09	1.84E-07	4.05E-08	5.83E-08	9.25E-08	1.63E-08	1.86E-08	4.18E-07
4777	477363.09	3861377.25	6.68E-04	7.21E-04	1.14E-03	2.31E-07	6.98E-07	4.04E-07	4.36E-07	3.96E-07	1.80E-07	2.86E-07	7.72E-09	1.87E-07	4.12E-08	5.92E-08	9.40E-08	1.66E-08	1.89E-08	4.24E-07
4778	477863.09	3861377.25	5.56E-04	6.00E-04	9.52E-04	1.93E-07	5.81E-07	3.37E-07	3.63E-07	3.29E-07	1.50E-07	2.38E-07	6.43E-09	1.55E-07	3.43E-08	4.93E-08	7.82E-08	1.38E-08	1.57E-08	3.53E-07
4779	478363.09	3861377.25	3.14E-04	3.39E-04	5.33E-04	1.09E-07	3.28E-07	1.90E-07	2.05E-07	1.86E-07	8.48E-08	1.34E-07	3.63E-09	8.77E-08	1.94E-08	2.78E-08	4.41E-08	7.78E-09	8.81E-09	1.99E-07
4780	478863.09	3861377.25	4.06E-04	4.38E-04	6.92E-04	1.41E-07	4.25E-07	2.46E-07	2.65E-07	2.40E-07	1.10E-07	1.73E-07	4.70E-09	1.13E-07	2.50E-08	3.60E-08	5.71E-08	1.01E-08	1.14E-08	2.58E-07
4781	479363.09	3861377.25	8.10E-04	8.74E-04	1.39E-03	2.80E-07	8.47E-07	4.90E-07	5.29E-07	4.80E-07	2.19E-07	3.47E-07	9.36E-09	2.26E-07	4.99E-08	7.18E-08	1.14E-07	2.01E-08	2.29E-08	5.14E-07
4782	479863.09	3861377.25	9.99E-04	1.08E-03	1.71E-03	3.46E-07	1.04E-06	6.04E-07	6.52E-07	5.91E-07	2.70E-07	4.27E-07	1.15E-08	2.79E-07	6.15E-08	8.85E-08	1.40E-07	2.47E-08	2.82E-08	6.34E-07
4783	480363.09	3861377.25	1.10E-03	1.19E-03	1.88E-03	3.82E-07	1.15E-06	6.67E-07	7.19E-07	6.52E-07	2.98E-07	4.69E-07	1.27E-08	3.08E-07	6.79E-08	9.77E-08	1.55E-07	2.73E-08	3.10E-08	6.99E-07
4784	480863.09	3861377.25	1.18E-03	1.27E-03	2.00E-03	4.07E-07	1.23E-06	7.11E-07	7.67E-07	6.95E-07	3.17E-07	5.00E-07	1.36E-08	3.28E-07	7.24E-08	1.04E-07	1.65E-07	2.91E-08	3.30E-08	7.45E-07
4785	481363.09	3861377.25	1.24E-03	1.34E-03	2.11E-03	4.29E-07	1.30E-06	7.50E-07	8.09E-07	7.34E-07	3.35E-07	5.28E-07	1.43E-08	3.46E-07	7.64E-08	1.10E-07	1.74E-07	3.07E-08	3.48E-08	7.87E-07
4786	481863.09	3861377.25	1.30E-03	1.41E-03	2.21E-03	4.51E-07	1.36E-06	7.89E-07	8.51E-07	7.71E-07	3.52E-07	5.54E-07	1.51E-08	3.64E-07	8.04E-08	1.16E-07	1.83E-07	3.23E-08	3.66E-08	8.27E-07
4787	482363.09	3861377.25	1.37E-03	1.48E-03	2.32E-03	4.74E-07	1.43E-06	8.28E-07	8.93E-07	8.10E-07	3.69E-07	5.81E-07	1.58E-08	3.82E-07	8.44E-08	1.21E-07	1.92E-07	3.39E-08	3.83E-08	8.68E-07
4788	482863.09	3861377.25	1.43E-03	1.54E-03	2.43E-03	4.96E-07	1.50E-06	8.67E-07	9.35E-07	8.47E-07	3.87E-07	6.07E-07	1.66E-08	4.00E-07	8.83E-08	1.27E-07	2.01E-07	3.55E-08	4.01E-08	9.09E-07
4789	483363.09	3861377.25	1.49E-03	1.61E-03	2.53E-03	5.17E-07	1.56E-06	9.04E-07	9.74E-07	8.83E-07	4.03E-07	6.32E-07	1.73E-08	4.17E-07	9.20E-08	1.32E-07	2.10E-07	3.70E-08	4.17E-08	9.47E-07
4790	483863.09	3861377.25	1.54E-03	1.66E-03	2.61E-03	5.34E-07	1.61E-06	9.34E-07	1.01E-06	9.12E-07	4.16E-07	6.53E-07	1.78E-08	4.31E-07	9.51E-08	1.37E-07	2.17E-07	3.82E-08	4.30E-08	9.78E-07
4791	484363.09	3861377.25	1.59E-03	1.72E-03	2.69E-03	5.51E-07	1.66E-06	9.64E-07	1.04E-06	9.41E-07	4.30E-07	6.74E-07	1.84E-08	4.45E-07	9.81E-08	1.41E-07	2.24E-07	3.94E-08	4.44E-08	1.01E-06
4792	484863.09	3861377.25	1.61E-03	1.73E-03	2.71E-03	5.56E-07	1.68E-06	9.72E-07	1.05E-06	9.49E-07	4.33E-07	6.79E-07	1.86E-08	4.48E-07	9.90E-08	1.42E-07	2.26E-07	3.97E-08	4.48E-08	1.02E-06
4793	485363.09	3861377.25	1.61E-03	1.73E-03	2.71E-03	5.57E-07	1.68E-06	9.73E-07	1.05E-06	9.50E-07	4.34E-07	6.79E-07	1.86E-08	4.49E-07	9.91E-08	1.42E-07	2.26E-07	3.98E-08	4.48E-08	1.02E-06
4794	485863.09	3861377.25	1.62E-03	1.75E-03	2.74E-03	5.62E-07	1.70E-06	9.83E-07	1.06E-06	9.60E-07	4.38E-07	6.85E-07	1.88E-08	4.54E-07	1.00E-07	1.44E-07	2.28E-07	4.02E-08	4.52E-08	1.03E-06
4795	486363.09	3861377.25	1.61E-03	1.74E-03	2.71E-03	5.58E-07	1.68E-06	9.75E-07	1.05E-06	9.52E-07	4.34E-07	6.79E-07	1.86E-08	4.50E-07	9.93E-08	1.43E-07	2.26E-07	3.99E-08	4.48E-08	1.02E-06
4796	486863.09	3861377.25	1.59E-03	1.72E-03	2.68E-03	5.52E-07	1.67E-06	9.65E-07	1.04E-06	9.42E-07	4.30E-07	6.71E-07	1.84E-08	4.45E-07	9.83E-08	1.41E-07	2.24E-07	3.94E-08	4.43E-08	1.01E-06
4797	487363.09	3861377.25	1.59E-03	1.71E-03	2.67E-03	5.49E-07	1.66E-06	9.60E-07	1.03E-06	9.37E-07	4.27E-07	6.68E-07	1.83E-08	4.43E-07	9.77E-08	1.40E-07	2.23E-07	3.92E-08	4.41E-08	1.01E-06
4798	487863.09	3861377.25	1.59E-03	1.71E-03	2.67E-03	5.49E-07	1.66E-06	9.59E-07	1.03E-06	9.37E-07	4.27E-07	6.69E-07	1.83E-08	4.43E-07	9.77E-08	1.40E-07	2.23E-07	3.92E-08	4.41E-08	1.00E-06
4799	488363.09	3861377.25	1.59E-03	1.71E-03	2.68E-03	5.49E-07	1.66E-06	9.60E-07	1.03E-06	9.38E-07	4.28E-07	6.71E-07	1.83E-08	4.43E-07	9.78E-08	1.40E-07	2.23E-07	3.93E-08	4.42E-08	1.01E-06
4800	488863.09	3861377.25	1.62E-03	1.75E-03	2.75E-03	5.62E-07	1.70E-06	9.82E-07	1.06E-06	9.59E-07	4.38E-07	6.88E-07	1.88E-08	4.53E-07	1.00E-07	1.44E-07	2.28E-07	4.02E-08	4.54E-08	1.03E-06
4801	489363.09	3861377.25	1.64E-03	1.77E-03	2.78E-03	5.68E-07	1.71E-06	9.92E-07	1.07E-06	9.70E-07	4.43E-07	6.96E-07	1.90E-08	4.58E-07	1.01E-07	1.45E-07	2.30E-07	4.06E-08	4.59E-08	1.04E-06
4802	489863.09	3861377.25	1.67E-03	1.80E-03	2.84E-03	5.79E-07	1.75E-06	1.01E-06	1.09E-06	9.89E-07	4.51E-07	7.11E-07	1.93E-08	4.67E-07	1.03E-07	1.48E-07	2.35E-07	4.14E-08	4.69E-08	1.06E-06
4803	490363.09	3861377.25	1.70E-03	1.83E-03	2.89E-03	5.88E-07	1.78E-06	1.03E-06	1.11E-06	1.01E-06	4.59E-07	7.24E-07	1.96E-08	4.74E-07	1.05E-07	1.51E-07	2.39E-07	4.21E-08	4.78E-08	1.08E-06
4804	490863.09	3861377.25	1.72E-03	1.85E-03	2.93E-03	5.94E-07	1.79E-06	1.04E-06	1.12E-06	1.02E-06	4.64E-07	7.33E-07	1.98E-08	4.79E-07	1.06E-07	1.52E-07	2.41E-07	4.25E-08	4.84E-08	1.09E-06
4805	491363.09	3861377.25	1.66E-03	1.79E-03	2.84E-03	5.76E-07	1.74E-06	1.01E-06	1.09E-06	9.84E-07	4.49E-07	7.11E-07	1.92E-08	4.64E-07	1.02E-07	1.47E-07	2.34E-07	4.12E-08	4.69E-08	1.06E-06
4806	491863.09	3861377.25	1.58E-03	1.70E-03	2.70E-03	5.46E-07	1.65E-06	9.55E-07	1.03E-06	9.34E-07	4.26E-07	6.75E-07	1.82E-08	4.41E-07	9.73E-08	1.40E-07	2.22E-07	3.91E-08	4.45E-08	1.00E-06
4807	492363.09	3861377.25	1.54E-03	1.67E-03	2.64E-03	5.34E-07	1.61E-06	9.34E-07	1.01E-06	9.13E-07	4.17E-07	6.60E-07	1.78E-08	4.31E-07	9.51E-08	1.37E-07	2.17E-07	3.83E-08	4.35E-08	9.80E-07
4808	492863.09	3861377.25	1.56E-03	1.68E-03	2.66E-03	5.38E-07	1.63E-06	9.41E-07	1.02E-06	9.21E-07	4.20E-07	6.66E-07	1.80E-08	4.34E-07	9.58E-08	1.38E-07	2.19E-07	3.85E-08	4.39E-08	9.87E-07
4809	493363.09	3861377.25	1.60E-03	1.73E-03	2.74E-03	5.54E-07	1.67E-06	9.69E-07	1.05E-06	9.48E-07	4.33E-07	6.86E-07	1.85E-08	4.47E-07	9.87E-08	1.42E-07	2.25E-07	3.97E-08	4.53E-08	1.02E-06
4810	493863.09	3861377.25	1.64E-03	1.77E-03	2.82E-03	5.69E-07	1.72E-06	9.94E-07	1.07E-06	9.72E-07	4.44E-07	7.05E-07	1.90E-08	4.59E-07	1.01E-07	1.46E-07	2.31E-07	4.07E-08	4.65E-08	1.04E-06
4811	494363.09	3861377.25	1.66E-03	1.79E-03	2.85E-03	5.75E-07	1.74E-06	1.01E-06	1.09E-06	9.84E-07	4.49E-07	7.14E-07	1.92E-08	4.64E-07	1.02E-07	1.47E-07	2.34E-07	4.12E-08	4.71E-08	1.06E-06
4812	494863.09	3861377.25	1.66E-03	1.79E-03	2.85E-03	5.74E-07	1.73E-06	1.00E-06	1.08E-06	9.83E-07	4.48E-07	7.14E-07	1.92E-08	4.63E-07	1.02E-07	1.47E-07	2.33E-07	4.11E-08	4.71E-08	1.05E-06
4813	495363.09	3861377.25	1.64E-03	1.77E-03	2.81E-03	5.66E-07	1.71E-06	9.90E-07	1.07E-06	9.69E-07	4.42E-07	7.04E-07	1.89E-08	4.57E-07	1.01E-07	1.45E-07	2.30E-07	4.06E-08	4.65E-08	1.04E-06
4814	495863.09	3861377.25	1.60E-03	1.72E-03	2.75E-03	5.53E-07	1.67E-06	9.66E-07	1.04E-06	9.46E-07	4.32E-07	6.88E-07	1.85E-08	4.46E-07	9.84E-08	1.42E-07	2.25E-07	3.96E-08	4.54E-08	1.01E-06
4815	496363.09	3861377.25	1.58E-03	1.71E-03	2.72E-03	5.46E-07	1.65E-06	9.55E-07	1.03E-06	9.35E-07	4.27E-07	6.81E-07	1.82E-08	4.41E-07	9.73E-08	1.40E-07	2.22E-07	3.92E-08	4.49E-08	1.00E-06
4816	496863.09	3861377.25	1.57E-03	1.69E-03	2.70E-03	5.42E-07	1.64E-06	9.48E-07	1.02E-06	9.28E-07	4.24E-07	6.76E-07	1.81E-08	4.38E-07	9.66E-08	1.39E-07	2.21E-07	3.89E-08	4.46E-08	9.95E-07
4817	497363.09	3861377.25	1.53E-03	1.65E-03	2.64E-03	5.30E-07	1.60E-06	9.26E-07	1.00E-06	9.07E-07	4.14E-07	6.61E-07	1.77E-08	4.27E-07	9.43E-08	1.36E-07	2.15E-07	3.80E-08	4.36E-08	9.72E-07
4818	497863.09	3861377.25	1.49E-03	1.61E-03	2.58E-03	5.17E-07	1.56E-06	9.03E-07	9.76E-07	8.85E-07	4.04E-07	6.45E-07	1.73E-08	4.17E-07	9.20E-08	1.33E-07	2.10E-07	3.71E-08	4.25E-08	9.49E-07
4819	498363.09	3861377.25	1.46E-03	1.58E-03	2.52E-03	5.05E-07	1.52E-06	8.83E-07	9.54E-07	8.65E-07	3.94E-07	6.30E-07	1.69E-08	4.07E-07	8.99E-08	1.29E-07	2.05E-07	3.62E-08	4.16E-08	9.27E-07
4820	471363.09	3861877.25	4.26E-04	4.60E-04	7.28E-04	1.47E-07	4.45E-07	2.58E-07	2.78E-07	2.52E-07	1.15E-07	1.82E-07	4.92E-09	1.19E-07	2.63E-08	3.78E-08	5.99E-08	1.06E-08	1.20E-08	2.70E-07
4821	471863.09	3861877.25	4.44E-04	4.79E-04	7.58E-04	1.54E-07	4.64E-07	2.69E-07	2.90E-07	2.63E-07	1.20E-07	1.90E-07	5.13E-09	1.24E-07	2.73E-08	3.93E-08	6.24E-08	1.10E-08	1.25E-08	2.82E-07
4822	472363.09	3861877.25	4.63E-04	5.00E-04	7.92E-04	1.60E-07	4.84E-07	2.80E-07	3.03E-07	2.74E-07	1.25E-07	1.98E-07	5.36E-09	1.29E-07	2.86E-08	4.11E-08	6.52E-08	1.15E-08	1.31E-08	2.94E-07
4823	472863.09	3861877.25	4.85E-04	5.23E-04	8.28E-04	1.68E-07	5.07E-07	2.93E-07	3.16E-07	2.87E-07	1.31E-07	2.07E-07	5.60E-09	1.35E-07	2.99E-08	4.30E-08	6.82E-08	1.20E-08	1.37E-08	3.08E-07
4824	473363.09	3861877.25	5.07E-04	5.47E-04	8.66E-04	1.76E-07	5.30E-07	3.07E-07	3.31E-07	3.00E-07	1.37E-07	2.17E-07	5.86E-09	1.42E-07	3.12E-08	4.49E-08	7.13E-08	1.26E-08	1.43E-08	3.22E-07
4825	473863.09	3861877.25	5.29E-04	5.71E-04	9.03E-04	1.83E-07	5.53E-07	3.20E-07	3.45E-07	3.13E-07	1.43E-07	2.26E-07	6.11E-09	1.48E-07	3.26E-08	4.69E-08	7.44E-08	1.31E-08	1.49E-08	3.36E-07
4826	474363.09	3861877.25	5.53E-04	5.97E-04	9.44E-04	1.91E-07	5.78E-07	3.35E-07	3.61E-07	3.27E-07	1.49E-07	2.36E-07	6.39E-09	1.54E-07	3.41E-08	4.90E-08	7.78E-08	1.37E-08	1.56E-08	3.51E-07
4827	474863.09	3861877.25	5.76E-04	6.22E-04	9.83E-04	1.99E-07	6.02E-07	3.49E-07	3.76E-07	3.41E-07	1.56E-07	2.46E-07	6.66E-09	1.61E-07	3.55E-08	5.11E-08	8.10E-08	1.43E-08	1.62E-08	3.66E-07
4828	475363.09	3861877.25	6.02E-04	6.49E-04	1.03E-03	2.08E-07	6.29E-07	3.64E-07	3.93E-07	3.56E-07	1.63E-07	2.57E-07	6.96E-09	1.68E-07	3.71E-08	5.33E-08	8.46E-08	1.49E-08	1.70E-08	3.82E-07
4829	475863.09	3861877.25	6.31E-04	6.81E-04	1.08E-03	2.19E-07	6.60E-07	3.82E-07	4.12E-07	3.73E-07	1.70E-07	2.69E-07	7.30E-09	1.76E-07	3.89E-08	5.59E-08	8.87E-08	1.56E-08	1.78E-08	4.01E-07
4830	476363.09	3861877.25	6.59E-04	7.11E-04	1.12E-03	2.28E-07	6.88E-07	3.98E-07	4.30E-07	3.90E-07	1.78E-07	2.81E-07	7.61E-09	1.84E-07	4.06E-08	5.84E-08	9.26E-08	1.63E-08	1.86E-08	4.18E-07
4831	476863.09	3861877.25	6.78E-04	7.31E-04	1.16E-03	2.35E-07	7.08E-07	4.10E-07	4.42E-07	4.01E-07	1.83E-07	2.90E-07	7.83E-09	1.89E-07	4.17E-08	6.01E-08	9.53E-08	1.68E-08	1.91E-08	4.30E-07

4832	477363.09	3861877.25	6.87E-04	7.42E-04	1.18E-03	2.38E-07	7.19E-07	4.16E-07	4.49E-07	4.07E-07	1.86E-07	2.94E-07	7.95E-09	1.92E-07	4.24E-08	6.09E-08	9.67E-08	1.70E-08	1.94E-08	4.36E-07
4833	477863.09	3861877.25	5.57E-04	6.01E-04	9.53E-04	1.93E-07	5.83E-07	3.37E-07	3.64E-07	3.30E-07	1.51E-07	2.39E-07	6.44E-09	1.56E-07	3.43E-08	4.94E-08	7.84E-08	1.38E-08	1.57E-08	3.54E-07
4834	478363.09	3861877.25	2.56E-04	2.76E-04	4.35E-04	8.88E-08	2.68E-07	1.55E-07	1.67E-07	1.52E-07	6.92E-08	1.09E-07	2.96E-09	7.16E-08	1.58E-08	2.27E-08	3.60E-08	6.35E-09	7.18E-09	1.63E-07
4835	478863.09	3861877.25	4.64E-04	5.01E-04	7.92E-04	1.61E-07	4.85E-07	2.81E-07	3.03E-07	2.75E-07	1.25E-07	1.98E-07	5.36E-09	1.30E-07	2.86E-08	4.11E-08	6.52E-08	1.15E-08	1.31E-08	2.94E-07
4836	479363.09	3861877.25	4.18E-04	4.50E-04	7.12E-04	1.45E-07	4.37E-07	2.53E-07	2.73E-07	2.47E-07	1.13E-07	1.78E-07	4.83E-09	1.17E-07	2.57E-08	3.70E-08	5.87E-08	1.03E-08	1.17E-08	2.65E-07
4837	479863.09	3861877.25	9.04E-04	9.75E-04	1.54E-03	3.13E-07	9.45E-07	5.47E-07	5.90E-07	5.35E-07	2.44E-07	3.86E-07	1.05E-08	2.52E-07	5.57E-08	8.01E-08	1.27E-07	2.24E-08	2.55E-08	5.74E-07
4838	480363.09	3861877.25	1.00E-03	1.08E-03	1.70E-03	3.46E-07	1.05E-06	6.06E-07	6.53E-07	5.92E-07	2.70E-07	4.26E-07	1.16E-08	2.79E-07	6.17E-08	8.87E-08	1.41E-07	2.48E-08	2.81E-08	6.35E-07
4839	480863.09	3861877.25	1.05E-03	1.13E-03	1.79E-03	3.64E-07	1.10E-06	6.37E-07	6.86E-07	6.22E-07	2.84E-07	4.47E-07	1.22E-08	2.94E-07	6.48E-08	9.32E-08	1.48E-07	2.61E-08	2.95E-08	6.67E-07
4840	481363.09	3861877.25	1.10E-03	1.19E-03	1.87E-03	3.82E-07	1.15E-06	6.67E-07	7.19E-07	6.52E-07	2.97E-07	4.68E-07	1.27E-08	3.08E-07	6.79E-08	9.76E-08	1.55E-07	2.73E-08	3.09E-08	6.99E-07
4841	481863.09	3861877.25	1.15E-03	1.24E-03	1.96E-03	4.00E-07	1.21E-06	6.98E-07	7.53E-07	6.82E-07	3.11E-07	4.90E-07	1.33E-08	3.22E-07	7.11E-08	1.02E-07	1.62E-07	2.86E-08	3.23E-08	7.32E-07
4842	482363.09	3861877.25	1.21E-03	1.30E-03	2.05E-03	4.18E-07	1.26E-06	7.31E-07	7.88E-07	7.14E-07	3.26E-07	5.12E-07	1.40E-08	3.37E-07	7.45E-08	1.07E-07	1.70E-07	2.99E-08	3.38E-08	7.66E-07
4843	482863.09	3861877.25	1.26E-03	1.36E-03	2.14E-03	4.37E-07	1.32E-06	7.64E-07	8.23E-07	7.46E-07	3.41E-07	5.35E-07	1.46E-08	3.52E-07	7.78E-08	1.12E-07	1.77E-07	3.13E-08	3.53E-08	8.00E-07
4844	483363.09	3861877.25	1.31E-03	1.41E-03	2.21E-03	4.52E-07	1.36E-06	7.90E-07	8.52E-07	7.72E-07	3.52E-07	5.53E-07	1.51E-08	3.65E-07	8.05E-08	1.16E-07	1.83E-07	3.23E-08	3.65E-08	8.28E-07
4845	483863.09	3861877.25	1.34E-03	1.44E-03	2.26E-03	4.64E-07	1.40E-06	8.10E-07	8.73E-07	7.92E-07	3.61E-07	5.67E-07	1.55E-08	3.74E-07	8.25E-08	1.19E-07	1.88E-07	3.31E-08	3.74E-08	8.49E-07
4846	484363.09	3861877.25	1.36E-03	1.47E-03	2.30E-03	4.71E-07	1.42E-06	8.23E-07	8.87E-07	8.04E-07	3.67E-07	5.75E-07	1.57E-08	3.80E-07	8.38E-08	1.20E-07	1.91E-07	3.37E-08	3.79E-08	8.62E-07
4847	484863.09	3861877.25	1.39E-03	1.49E-03	2.34E-03	4.80E-07	1.45E-06	8.38E-07	9.03E-07	8.19E-07	3.74E-07	5.85E-07	1.60E-08	3.87E-07	8.54E-08	1.23E-07	1.95E-07	3.43E-08	3.86E-08	8.78E-07
4848	485363.09	3861877.25	1.38E-03	1.49E-03	2.34E-03	4.79E-07	1.45E-06	8.38E-07	9.03E-07	8.18E-07	3.73E-07	5.85E-07	1.60E-08	3.87E-07	8.53E-08	1.23E-07	1.94E-07	3.43E-08	3.86E-08	8.78E-07
4849	485863.09	3861877.25	1.37E-03	1.47E-03	2.30E-03	4.73E-07	1.43E-06	8.27E-07	8.91E-07	8.07E-07	3.68E-07	5.76E-07	1.58E-08	3.82E-07	8.42E-08	1.21E-07	1.92E-07	3.38E-08	3.80E-08	8.66E-07
4850	486363.09	3861877.25	1.36E-03	1.46E-03	2.28E-03	4.69E-07	1.42E-06	8.20E-07	8.83E-07	8.01E-07	3.65E-07	5.70E-07	1.57E-08	3.78E-07	8.35E-08	1.20E-07	1.90E-07	3.35E-08	3.76E-08	8.59E-07
4851	486863.09	3861877.25	1.34E-03	1.44E-03	2.25E-03	4.64E-07	1.40E-06	8.11E-07	8.73E-07	7.92E-07	3.61E-07	5.64E-07	1.55E-08	3.74E-07	8.26E-08	1.19E-07	1.88E-07	3.31E-08	3.72E-08	8.49E-07
4852	487363.09	3861877.25	1.33E-03	1.43E-03	2.24E-03	4.61E-07	1.39E-06	8.05E-07	8.67E-07	7.86E-07	3.59E-07	5.61E-07	1.54E-08	3.72E-07	8.20E-08	1.18E-07	1.87E-07	3.29E-08	3.70E-08	8.44E-07
4853	487863.09	3861877.25	1.33E-03	1.43E-03	2.24E-03	4.60E-07	1.39E-06	8.04E-07	8.66E-07	7.85E-07	3.58E-07	5.60E-07	1.54E-08	3.71E-07	8.19E-08	1.18E-07	1.86E-07	3.29E-08	3.70E-08	8.42E-07
4854	488363.09	3861877.25	1.33E-03	1.43E-03	2.24E-03	4.60E-07	1.39E-06	8.04E-07	8.66E-07	7.85E-07	3.58E-07	5.62E-07	1.54E-08	3.71E-07	8.19E-08	1.18E-07	1.87E-07	3.29E-08	3.70E-08	8.42E-07
4855	488863.09	3861877.25	1.34E-03	1.45E-03	2.27E-03	4.65E-07	1.40E-06	8.12E-07	8.75E-07	7.94E-07	3.62E-07	5.69E-07	1.55E-08	3.75E-07	8.27E-08	1.19E-07	1.89E-07	3.32E-08	3.75E-08	8.51E-07
4856	489363.09	3861877.25	1.35E-03	1.46E-03	2.29E-03	4.68E-07	1.41E-06	8.18E-07	8.81E-07	7.99E-07	3.65E-07	5.73E-07	1.56E-08	3.77E-07	8.32E-08	1.20E-07	1.90E-07	3.35E-08	3.78E-08	8.57E-07
4857	489863.09	3861877.25	1.37E-03	1.48E-03	2.33E-03	4.75E-07	1.43E-06	8.30E-07	8.95E-07	8.12E-07	3.70E-07	5.83E-07	1.59E-08	3.83E-07	8.46E-08	1.22E-07	1.93E-07	3.40E-08	3.85E-08	8.70E-07
4858	490363.09	3861877.25	1.38E-03	1.49E-03	2.35E-03	4.77E-07	1.44E-06	8.34E-07	9.00E-07	8.15E-07	3.72E-07	5.87E-07	1.59E-08	3.85E-07	8.49E-08	1.22E-07	1.94E-07	3.41E-08	3.87E-08	8.75E-07
4859	490863.09	3861877.25	1.40E-03	1.51E-03	2.39E-03	4.86E-07	1.47E-06	8.49E-07	9.16E-07	8.30E-07	3.79E-07	5.99E-07	1.62E-08	3.92E-07	8.65E-08	1.24E-07	1.97E-07	3.48E-08	3.95E-08	8.91E-07
4860	491363.09	3861877.25	1.43E-03	1.54E-03	2.44E-03	4.94E-07	1.49E-06	8.64E-07	9.32E-07	8.45E-07	3.86E-07	6.10E-07	1.65E-08	3.99E-07	8.80E-08	1.27E-07	2.01E-07	3.54E-08	4.03E-08	9.06E-07
4861	491863.09	3861877.25	1.40E-03	1.51E-03	2.39E-03	4.84E-07	1.46E-06	8.46E-07	9.13E-07	8.28E-07	3.78E-07	5.98E-07	1.62E-08	3.91E-07	8.62E-08	1.24E-07	1.97E-07	3.47E-08	3.95E-08	8.88E-07
4862	492363.09	3861877.25	1.32E-03	1.43E-03	2.26E-03	4.57E-07	1.38E-06	8.00E-07	8.63E-07	7.82E-07	3.57E-07	5.65E-07	1.53E-08	3.69E-07	8.14E-08	1.17E-07	1.86E-07	3.28E-08	3.73E-08	8.39E-07
4863	492863.09	3861877.25	1.28E-03	1.38E-03	2.19E-03	4.44E-07	1.34E-06	7.75E-07	8.37E-07	7.59E-07	3.46E-07	5.48E-07	1.48E-08	3.58E-07	7.90E-08	1.14E-07	1.80E-07	3.18E-08	3.62E-08	8.13E-07
4864	493363.09	3861877.25	1.28E-03	1.38E-03	2.18E-03	4.42E-07	1.33E-06	7.72E-07	8.34E-07	7.56E-07	3.45E-07	5.47E-07	1.48E-08	3.56E-07	7.87E-08	1.13E-07	1.80E-07	3.16E-08	3.61E-08	8.10E-07
4865	493863.09	3861877.25	1.30E-03	1.40E-03	2.22E-03	4.49E-07	1.36E-06	7.85E-07	8.48E-07	7.68E-07	3.51E-07	5.56E-07	1.50E-08	3.62E-07	8.00E-08	1.15E-07	1.83E-07	3.22E-08	3.67E-08	8.24E-07
4866	494363.09	3861877.25	1.33E-03	1.44E-03	2.29E-03	4.62E-07	1.39E-06	8.07E-07	8.71E-07	7.90E-07	3.60E-07	5.72E-07	1.54E-08	3.72E-07	8.22E-08	1.18E-07	1.88E-07	3.31E-08	3.77E-08	8.47E-07
4867	494863.09	3861877.25	1.37E-03	1.48E-03	2.35E-03	4.75E-07	1.43E-06	8.30E-07	8.96E-07	8.12E-07	3.70E-07	5.89E-07	1.58E-08	3.83E-07	8.45E-08	1.22E-07	1.93E-07	3.40E-08	3.89E-08	8.70E-07
4868	495363.09	3861877.25	1.38E-03	1.49E-03	2.38E-03	4.79E-07	1.45E-06	8.37E-07	9.04E-07	8.20E-07	3.74E-07	5.95E-07	1.60E-08	3.86E-07	8.53E-08	1.23E-07	1.95E-07	3.43E-08	3.93E-08	8.79E-07
4869	495863.09	3861877.25	1.38E-03	1.49E-03	2.37E-03	4.77E-07	1.44E-06	8.33E-07	9.00E-07	8.16E-07	3.72E-07	5.93E-07	1.59E-08	3.84E-07	8.48E-08	1.22E-07	1.94E-07	3.42E-08	3.91E-08	8.74E-07
4870	496363.09	3861877.25	1.36E-03	1.47E-03	2.35E-03	4.72E-07	1.42E-06	8.24E-07	8.90E-07	8.07E-07	3.68E-07	5.87E-07	1.57E-08	3.80E-07	8.39E-08	1.21E-07	1.92E-07	3.38E-08	3.87E-08	8.65E-07
4871	496863.09	3861877.25	1.40E-03	1.52E-03	2.42E-03	4.86E-07	1.47E-06	8.49E-07	9.17E-07	8.31E-07	3.79E-07	6.05E-07	1.62E-08	3.92E-07	8.64E-08	1.24E-07	1.97E-07	3.48E-08	3.99E-08	8.91E-07
4872	497363.09	3861877.25	1.34E-03	1.44E-03	2.31E-03	4.63E-07	1.40E-06	8.09E-07	8.74E-07	7.93E-07	3.62E-07	5.77E-07	1.55E-08	3.73E-07	8.24E-08	1.19E-07	1.88E-07	3.32E-08	3.81E-08	8.50E-07
4873	497863.09	3861877.25	1.30E-03	1.40E-03	2.23E-03	4.48E-07	1.35E-06	7.84E-07	8.47E-07	7.67E-07	3.50E-07	5.59E-07	1.50E-08	3.62E-07	7.98E-08	1.15E-07	1.82E-07	3.21E-08	3.69E-08	8.23E-07
4874	498363.09	3861877.25	1.26E-03	1.37E-03	2.18E-03	4.38E-07	1.32E-06	7.65E-07	8.27E-07	7.49E-07	3.42E-07	5.46E-07	1.46E-08	3.53E-07	7.79E-08	1.12E-07	1.78E-07	3.14E-08	3.60E-08	8.03E-07
4875	471363.09	3862377.25	4.16E-04	4.49E-04	7.10E-04	1.44E-07	4.35E-07	2.52E-07	2.71E-07	2.46E-07	1.12E-07	1.78E-07	4.81E-09	1.16E-07	2.56E-08	3.69E-08	5.85E-08	1.03E-08	1.17E-08	2.64E-07
4876	471863.09	3862377.25	4.32E-04	4.66E-04	7.38E-04	1.50E-07	4.52E-07	2.61E-07	2.82E-07	2.56E-07	1.17E-07	1.85E-07	4.99E-09	1.21E-07	2.66E-08	3.83E-08	6.07E-08	1.07E-08	1.22E-08	2.74E-07
4877	472363.09	3862377.25	4.51E-04	4.86E-04	7.70E-04	1.56E-07	4.71E-07	2.73E-07	2.94E-07	2.67E-07	1.22E-07	1.93E-07	5.21E-09	1.26E-07	2.78E-08	3.99E-08	6.34E-08	1.12E-08	1.27E-08	2.86E-07
4878	472863.09	3862377.25	4.70E-04	5.07E-04	8.02E-04	1.63E-07	4.91E-07	2.84E-07	3.07E-07	2.78E-07	1.27E-07	2.01E-07	5.43E-09	1.31E-07	2.89E-08	4.16E-08	6.60E-08	1.16E-08	1.32E-08	2.98E-07
4879	473363.09	3862377.25	4.89E-04	5.28E-04	8.35E-04	1.69E-07	5.11E-07	2.96E-07	3.19E-07	2.89E-07	1.32E-07	2.09E-07	5.65E-09	1.37E-07	3.01E-08	4.34E-08	6.88E-08	1.21E-08	1.38E-08	3.10E-07
4880	473863.09	3862377.25	5.09E-04	5.49E-04	8.68E-04	1.76E-07	5.32E-07	3.08E-07	3.32E-07	3.01E-07	1.37E-07	2.17E-07	5.88E-09	1.42E-07	3.14E-08	4.51E-08	7.16E-08	1.26E-08	1.43E-08	3.23E-07
4881	474363.09	3862377.25	5.28E-04	5.70E-04	9.00E-04	1.83E-07	5.52E-07	3.20E-07	3.45E-07	3.12E-07	1.43E-07	2.25E-07	6.11E-09	1.47E-07	3.25E-08	4.68E-08	7.42E-08	1.31E-08	1.49E-08	3.35E-07
4882	474863.09	3862377.25	5.46E-04	5.89E-04	9.31E-04	1.89E-07	5.71E-07	3.30E-07	3.56E-07	3.23E-07	1.47E-07	2.33E-07	6.31E-09	1.52E-07	3.37E-08	4.84E-08	7.68E-08	1.35E-08	1.54E-08	3.47E-07
4883	475363.09	3862377.25	5.71E-04	6.16E-04	9.74E-04	1.98E-07	5.97E-07	3.46E-07	3.73E-07	3.38E-07	1.54E-07	2.44E-07	6.61E-09	1.60E-07	3.52E-08	5.06E-08	8.03E-08	1.42E-08	1.61E-08	3.63E-07
4884	475863.09	3862377.25	5.97E-04	6.44E-04	1.02E-03	2.07E-07	6.24E-07	3.62E-07	3.90E-07	3.54E-07	1.61E-07	2.55E-07	6.91E-09	1.67E-07	3.68E-08	5.29E-08	8.40E-08	1.48E-08	1.68E-08	3.79E-07
4885	476363.09	3862377.25	6.23E-04	6.72E-04	1.06E-03	2.16E-07	6.51E-07	3.77E-07	4.07E-07	3.69E-07	1.68E-07	2.66E-07	7.20E-09	1.74E-07	3.84E-08	5.52E-08	8.76E-08	1.54E-08	1.75E-08	3.95E-07
4886	476863.09	3862377.25	6.48E-04	6.99E-04	1.11E-03	2.24E-07	6.78E-07	3.92E-07	4.23E-07	3.84E-07	1.75E-07	2.77E-07	7.50E-09	1.81E-07	4.00E-08	5.75E-08	9.12E-08	1.61E-08	1.82E-08	4.11E-07
4887	477363.09	3862377.25	6.65E-04	7.17E-04	1.13E-03	2.30E-07	6.95E-07	4.02E-07	4.34E-07	3.93E-07	1.80E-07	2.84E-07	7.69E-09	1.86E-07	4.10E-08	5.89E-08	9.35E-08	1.65E-08	1.87E-08	4.22E-07
4888	477863.09	3862377.25	5.96E-04	6.43E-04	1.02E-03	2.06E-07	6.23E-07	3.60E-07	3.89E-07	3.53E-07	1.61E-07	2.55E-07	6.89E-09	1.66E-07	3.67E-08	5.28E-08	8.38E-08	1.48E-08	1.68E-08	3.78E-07
4889	478363.09	3862377.25	4.83E-04	5.21E-04	8.25E-04	1.67E-07	5.04E-07	2.92E-07	3.15E-07	2.86E-07	1.30E-07	2.06E-07	5.58E-09	1.35E-07	2.97E-08	4.28E-08	6.79E-08	1.20E-08	1.36E-08	3.06E-07
4890	478863.09	3862377.25	5.19E-04	5.60E-04	8.87E-04	1.80E-07	5.42E-07	3.14E-07	3.39E-07	3.07E-07	1.40E-07	2.22E-07	5.99E-09	1.45E-07	3.19E-08	4.60E-08	7.29E-08	1.29E-08	1.46E-08	3.29E-07

4891	479363.09	3862377.25	6.28E-04	6.78E-04	1.08E-03	2.18E-07	6.57E-07	3.80E-07	4.10E-07	3.72E-07	1.70E-07	2.69E-07	7.26E-09	1.75E-07	3.87E-08	5.57E-08	8.84E-08	1.56E-08	1.78E-08	3.99E-07
4892	479863.09	3862377.25	8.40E-04	9.06E-04	1.43E-03	2.91E-07	8.78E-07	5.08E-07	5.48E-07	4.97E-07	2.27E-07	3.58E-07	9.71E-09	2.35E-07	5.18E-08	7.44E-08	1.18E-07	2.08E-08	2.36E-08	5.33E-07
4893	480363.09	3862377.25	9.05E-04	9.75E-04	1.54E-03	3.13E-07	9.46E-07	5.47E-07	5.90E-07	5.35E-07	2.44E-07	3.84E-07	1.05E-08	2.53E-07	5.57E-08	8.01E-08	1.27E-07	2.24E-08	2.54E-08	5.74E-07
4894	480863.09	3862377.25	9.46E-04	1.02E-03	1.60E-03	3.27E-07	9.89E-07	5.72E-07	6.17E-07	5.59E-07	2.55E-07	4.01E-07	1.09E-08	2.64E-07	5.83E-08	8.38E-08	1.33E-07	2.34E-08	2.65E-08	6.00E-07
4895	481363.09	3862377.25	9.89E-04	1.07E-03	1.68E-03	3.42E-07	1.03E-06	5.99E-07	6.45E-07	5.85E-07	2.67E-07	4.19E-07	1.14E-08	2.76E-07	6.09E-08	8.76E-08	1.39E-07	2.45E-08	2.77E-08	6.27E-07
4896	481863.09	3862377.25	1.03E-03	1.11E-03	1.75E-03	3.58E-07	1.08E-06	6.25E-07	6.74E-07	6.11E-07	2.79E-07	4.38E-07	1.19E-08	2.88E-07	6.36E-08	9.14E-08	1.45E-07	2.56E-08	2.89E-08	6.55E-07
4897	482363.09	3862377.25	1.08E-03	1.16E-03	1.82E-03	3.73E-07	1.13E-06	6.52E-07	7.03E-07	6.37E-07	2.91E-07	4.57E-07	1.25E-08	3.01E-07	6.64E-08	9.54E-08	1.51E-07	2.67E-08	3.01E-08	6.83E-07
4898	482863.09	3862377.25	1.12E-03	1.21E-03	1.89E-03	3.87E-07	1.17E-06	6.77E-07	7.29E-07	6.61E-07	3.02E-07	4.74E-07	1.29E-08	3.12E-07	6.89E-08	9.90E-08	1.57E-07	2.77E-08	3.13E-08	7.09E-07
4899	483363.09	3862377.25	1.15E-03	1.24E-03	1.95E-03	3.99E-07	1.20E-06	6.97E-07	7.51E-07	6.81E-07	3.11E-07	4.87E-07	1.33E-08	3.22E-07	7.10E-08	1.02E-07	1.62E-07	2.85E-08	3.21E-08	7.30E-07
4900	483863.09	3862377.25	1.17E-03	1.26E-03	1.97E-03	4.04E-07	1.22E-06	7.06E-07	7.61E-07	6.90E-07	3.15E-07	4.93E-07	1.35E-08	3.26E-07	7.19E-08	1.03E-07	1.64E-07	2.89E-08	3.26E-08	7.40E-07
4901	484363.09	3862377.25	1.19E-03	1.28E-03	2.00E-03	4.11E-07	1.24E-06	7.18E-07	7.74E-07	7.01E-07	3.20E-07	5.01E-07	1.37E-08	3.31E-07	7.31E-08	1.05E-07	1.67E-07	2.94E-08	3.31E-08	7.52E-07
4902	484863.09	3862377.25	1.18E-03	1.28E-03	2.00E-03	4.10E-07	1.24E-06	7.17E-07	7.72E-07	7.00E-07	3.19E-07	5.00E-07	1.37E-08	3.31E-07	7.30E-08	1.05E-07	1.66E-07	2.93E-08	3.30E-08	7.51E-07
4903	485363.09	3862377.25	1.18E-03	1.27E-03	1.99E-03	4.08E-07	1.23E-06	7.14E-07	7.69E-07	6.97E-07	3.18E-07	4.97E-07	1.36E-08	3.29E-07	7.27E-08	1.04E-07	1.66E-07	2.92E-08	3.28E-08	7.48E-07
4904	485863.09	3862377.25	1.18E-03	1.27E-03	1.98E-03	4.07E-07	1.23E-06	7.12E-07	7.67E-07	6.95E-07	3.17E-07	4.96E-07	1.36E-08	3.29E-07	7.25E-08	1.04E-07	1.65E-07	2.91E-08	3.27E-08	7.46E-07
4905	486363.09	3862377.25	1.16E-03	1.25E-03	1.95E-03	4.01E-07	1.21E-06	7.01E-07	7.55E-07	6.85E-07	3.12E-07	4.88E-07	1.34E-08	3.24E-07	7.14E-08	1.03E-07	1.63E-07	2.87E-08	3.22E-08	7.35E-07
4906	486863.09	3862377.25	1.15E-03	1.23E-03	1.92E-03	3.96E-07	1.20E-06	6.93E-07	7.46E-07	6.76E-07	3.09E-07	4.82E-07	1.32E-08	3.20E-07	7.05E-08	1.01E-07	1.61E-07	2.83E-08	3.18E-08	7.26E-07
4907	487363.09	3862377.25	1.13E-03	1.22E-03	1.90E-03	3.92E-07	1.18E-06	6.86E-07	7.38E-07	6.69E-07	3.05E-07	4.77E-07	1.31E-08	3.16E-07	6.98E-08	1.00E-07	1.59E-07	2.80E-08	3.14E-08	7.18E-07
4908	487863.09	3862377.25	1.13E-03	1.22E-03	1.91E-03	3.92E-07	1.18E-06	6.86E-07	7.39E-07	6.70E-07	3.06E-07	4.78E-07	1.31E-08	3.17E-07	6.98E-08	1.00E-07	1.59E-07	2.80E-08	3.15E-08	7.18E-07
4909	488363.09	3862377.25	1.14E-03	1.22E-03	1.92E-03	3.93E-07	1.19E-06	6.87E-07	7.40E-07	6.71E-07	3.06E-07	4.80E-07	1.31E-08	3.17E-07	6.99E-08	1.00E-07	1.59E-07	2.81E-08	3.16E-08	7.20E-07
4910	488863.09	3862377.25	1.15E-03	1.23E-03	1.94E-03	3.96E-07	1.20E-06	6.93E-07	7.47E-07	6.77E-07	3.09E-07	4.85E-07	1.32E-08	3.20E-07	7.06E-08	1.01E-07	1.61E-07	2.84E-08	3.20E-08	7.26E-07
4911	489363.09	3862377.25	1.16E-03	1.25E-03	1.96E-03	4.00E-07	1.21E-06	6.99E-07	7.54E-07	6.83E-07	3.12E-07	4.90E-07	1.34E-08	3.23E-07	7.12E-08	1.02E-07	1.62E-07	2.86E-08	3.23E-08	7.33E-07
4912	489863.09	3862377.25	1.17E-03	1.26E-03	1.99E-03	4.05E-07	1.22E-06	7.08E-07	7.64E-07	6.92E-07	3.16E-07	4.97E-07	1.35E-08	3.27E-07	7.21E-08	1.04E-07	1.64E-07	2.90E-08	3.28E-08	7.42E-07
4913	490363.09	3862377.25	1.18E-03	1.28E-03	2.01E-03	4.10E-07	1.24E-06	7.17E-07	7.73E-07	7.00E-07	3.20E-07	5.04E-07	1.37E-08	3.31E-07	7.30E-08	1.05E-07	1.66E-07	2.93E-08	3.32E-08	7.51E-07
4914	490863.09	3862377.25	1.19E-03	1.28E-03	2.03E-03	4.12E-07	1.25E-06	7.21E-07	7.77E-07	7.05E-07	3.22E-07	5.07E-07	1.38E-08	3.33E-07	7.34E-08	1.06E-07	1.67E-07	2.95E-08	3.35E-08	7.56E-07
4915	491363.09	3862377.25	1.21E-03	1.31E-03	2.06E-03	4.19E-07	1.27E-06	7.32E-07	7.90E-07	7.16E-07	3.27E-07	5.17E-07	1.40E-08	3.38E-07	7.46E-08	1.07E-07	1.70E-07	3.00E-08	3.41E-08	7.68E-07
4916	491863.09	3862377.25	1.22E-03	1.32E-03	2.09E-03	4.23E-07	1.28E-06	7.40E-07	7.98E-07	7.24E-07	3.30E-07	5.23E-07	1.41E-08	3.41E-07	7.53E-08	1.08E-07	1.72E-07	3.03E-08	3.45E-08	7.76E-07
4917	492363.09	3862377.25	1.20E-03	1.30E-03	2.06E-03	4.16E-07	1.26E-06	7.27E-07	7.85E-07	7.12E-07	3.25E-07	5.15E-07	1.39E-08	3.36E-07	7.41E-08	1.07E-07	1.69E-07	2.98E-08	3.39E-08	7.63E-07
4918	492863.09	3862377.25	1.15E-03	1.24E-03	1.96E-03	3.97E-07	1.20E-06	6.94E-07	7.49E-07	6.79E-07	3.10E-07	4.91E-07	1.33E-08	3.20E-07	7.07E-08	1.02E-07	1.61E-07	2.84E-08	3.24E-08	7.28E-07
4919	493363.09	3862377.25	1.11E-03	1.19E-03	1.89E-03	3.83E-07	1.16E-06	6.69E-07	7.22E-07	6.55E-07	2.99E-07	4.73E-07	1.28E-08	3.09E-07	6.81E-08	9.80E-08	1.56E-07	2.74E-08	3.12E-08	7.02E-07
4920	493863.09	3862377.25	1.09E-03	1.18E-03	1.87E-03	3.78E-07	1.14E-06	6.60E-07	7.12E-07	6.46E-07	2.95E-07	4.67E-07	1.26E-08	3.04E-07	6.72E-08	9.67E-08	1.53E-07	2.70E-08	3.08E-08	6.92E-07
4921	494363.09	3862377.25	1.09E-03	1.18E-03	1.88E-03	3.79E-07	1.14E-06	6.62E-07	7.15E-07	6.48E-07	2.96E-07	4.69E-07	1.27E-08	3.06E-07	6.75E-08	9.71E-08	1.54E-07	2.71E-08	3.10E-08	6.95E-07
4922	494863.09	3862377.25	1.12E-03	1.21E-03	1.92E-03	3.87E-07	1.17E-06	6.77E-07	7.31E-07	6.63E-07	3.02E-07	4.80E-07	1.29E-08	3.12E-07	6.89E-08	9.92E-08	1.57E-07	2.77E-08	3.17E-08	7.10E-07
4923	495363.09	3862377.25	1.14E-03	1.23E-03	1.96E-03	3.96E-07	1.19E-06	6.91E-07	7.46E-07	6.77E-07	3.09E-07	4.91E-07	1.32E-08	3.19E-07	7.04E-08	1.01E-07	1.61E-07	2.83E-08	3.24E-08	7.25E-07
4924	495863.09	3862377.25	1.16E-03	1.26E-03	2.00E-03	4.03E-07	1.22E-06	7.05E-07	7.61E-07	6.90E-07	3.15E-07	5.01E-07	1.35E-08	3.25E-07	7.18E-08	1.03E-07	1.64E-07	2.89E-08	3.31E-08	7.40E-07
4925	496363.09	3862377.25	1.17E-03	1.27E-03	2.02E-03	4.05E-07	1.22E-06	7.09E-07	7.65E-07	6.94E-07	3.17E-07	5.05E-07	1.35E-08	3.27E-07	7.22E-08	1.04E-07	1.65E-07	2.91E-08	3.33E-08	7.44E-07
4926	496863.09	3862377.25	1.18E-03	1.27E-03	2.03E-03	4.08E-07	1.23E-06	7.13E-07	7.70E-07	6.98E-07	3.18E-07	5.08E-07	1.36E-08	3.29E-07	7.26E-08	1.05E-07	1.66E-07	2.92E-08	3.35E-08	7.48E-07
4927	497363.09	3862377.25	1.16E-03	1.25E-03	1.99E-03	4.00E-07	1.21E-06	6.99E-07	7.55E-07	6.84E-07	3.12E-07	4.98E-07	1.34E-08	3.23E-07	7.12E-08	1.02E-07	1.63E-07	2.87E-08	3.29E-08	7.34E-07
4928	497863.09	3862377.25	1.13E-03	1.22E-03	1.95E-03	3.92E-07	1.18E-06	6.85E-07	7.40E-07	6.71E-07	3.06E-07	4.89E-07	1.31E-08	3.16E-07	6.98E-08	1.00E-07	1.59E-07	2.81E-08	3.22E-08	7.19E-07
4929	498363.09	3862377.25	1.10E-03	1.19E-03	1.90E-03	3.82E-07	1.15E-06	6.68E-07	7.21E-07	6.54E-07	2.98E-07	4.76E-07	1.28E-08	3.08E-07	6.80E-08	9.79E-08	1.55E-07	2.74E-08	3.14E-08	7.01E-07
4930	471363.09	3862877.25	4.03E-04	4.35E-04	6.89E-04	1.40E-07	4.22E-07	2.44E-07	2.63E-07	2.39E-07	1.09E-07	1.72E-07	4.66E-09	1.13E-07	2.49E-08	3.58E-08	5.67E-08	1.00E-08	1.14E-08	2.56E-07
4931	471863.09	3862877.25	4.19E-04	4.52E-04	7.15E-04	1.45E-07	4.38E-07	2.53E-07	2.73E-07	2.48E-07	1.13E-07	1.79E-07	4.84E-09	1.17E-07	2.58E-08	3.71E-08	5.89E-08	1.04E-08	1.18E-08	2.66E-07
4932	472363.09	3862877.25	4.35E-04	4.69E-04	7.41E-04	1.50E-07	4.54E-07	2.63E-07	2.84E-07	2.57E-07	1.17E-07	1.86E-07	5.02E-09	1.21E-07	2.68E-08	3.85E-08	6.11E-08	1.08E-08	1.22E-08	2.76E-07
4933	472863.09	3862877.25	4.51E-04	4.86E-04	7.69E-04	1.56E-07	4.71E-07	2.73E-07	2.94E-07	2.67E-07	1.22E-07	1.92E-07	5.21E-09	1.26E-07	2.78E-08	3.99E-08	6.34E-08	1.12E-08	1.27E-08	2.86E-07
4934	473363.09	3862877.25	4.69E-04	5.05E-04	7.99E-04	1.62E-07	4.90E-07	2.83E-07	3.06E-07	2.77E-07	1.26E-07	2.00E-07	5.42E-09	1.31E-07	2.89E-08	4.15E-08	6.59E-08	1.16E-08	1.32E-08	2.97E-07
4935	473863.09	3862877.25	4.85E-04	5.23E-04	8.27E-04	1.68E-07	5.07E-07	2.93E-07	3.17E-07	2.87E-07	1.31E-07	2.07E-07	5.61E-09	1.35E-07	2.99E-08	4.30E-08	6.82E-08	1.20E-08	1.37E-08	3.08E-07
4936	474363.09	3862877.25	5.00E-04	5.40E-04	8.53E-04	1.73E-07	5.23E-07	3.03E-07	3.27E-07	2.96E-07	1.35E-07	2.13E-07	5.79E-09	1.40E-07	3.08E-08	4.43E-08	7.04E-08	1.24E-08	1.41E-08	3.18E-07
4937	474863.09	3862877.25	5.18E-04	5.59E-04	8.83E-04	1.79E-07	5.42E-07	3.13E-07	3.38E-07	3.07E-07	1.40E-07	2.21E-07	5.99E-09	1.45E-07	3.19E-08	4.59E-08	7.28E-08	1.28E-08	1.46E-08	3.29E-07
4938	475363.09	3862877.25	5.41E-04	5.84E-04	9.22E-04	1.87E-07	5.66E-07	3.27E-07	3.53E-07	3.20E-07	1.46E-07	2.31E-07	6.26E-09	1.51E-07	3.33E-08	4.80E-08	7.61E-08	1.34E-08	1.52E-08	3.43E-07
4939	475863.09	3862877.25	5.63E-04	6.08E-04	9.60E-04	1.95E-07	5.89E-07	3.41E-07	3.68E-07	3.33E-07	1.52E-07	2.40E-07	6.51E-09	1.57E-07	3.47E-08	4.99E-08	7.92E-08	1.40E-08	1.59E-08	3.57E-07
4940	476363.09	3862877.25	5.86E-04	6.33E-04	9.99E-04	2.03E-07	6.13E-07	3.55E-07	3.83E-07	3.47E-07	1.58E-07	2.50E-07	6.78E-09	1.64E-07	3.61E-08	5.20E-08	8.24E-08	1.45E-08	1.65E-08	3.72E-07
4941	476863.09	3862877.25	6.07E-04	6.55E-04	1.03E-03	2.10E-07	6.35E-07	3.67E-07	3.96E-07	3.59E-07	1.64E-07	2.59E-07	7.02E-09	1.70E-07	3.74E-08	5.38E-08	8.53E-08	1.50E-08	1.71E-08	3.85E-07
4942	477363.09	3862877.25	6.29E-04	6.78E-04	1.07E-03	2.18E-07	6.57E-07	3.80E-07	4.10E-07	3.72E-07	1.70E-07	2.68E-07	7.27E-09	1.76E-07	3.87E-08	5.57E-08	8.83E-08	1.56E-08	1.77E-08	3.99E-07
4943	477863.09	3862877.25	6.27E-04	6.76E-04	1.07E-03	2.17E-07	6.55E-07	3.79E-07	4.09E-07	3.71E-07	1.69E-07	2.68E-07	7.25E-09	1.75E-07	3.86E-08	5.56E-08	8.81E-08	1.55E-08	1.77E-08	3.98E-07
4944	478363.09	3862877.25	5.53E-04	5.97E-04	9.46E-04	1.91E-07	5.78E-07	3.35E-07	3.61E-07	3.27E-07	1.49E-07	2.37E-07	6.39E-09	1.54E-07	3.41E-08	4.90E-08	7.78E-08	1.37E-08	1.56E-08	3.51E-07
4945	478863.09	3862877.25	5.83E-04	6.29E-04	9.97E-04	2.02E-07	6.09E-07	3.53E-07	3.81E-07	3.45E-07	1.57E-07	2.49E-07	6.74E-09	1.63E-07	3.59E-08	5.17E-08	8.20E-08	1.44E-08	1.65E-08	3.70E-07
4946	479363.09	3862877.25	6.25E-04	6.75E-04	1.07E-03	2.16E-07	6.54E-07	3.78E-07	4.08E-07	3.70E-07	1.69E-07	2.67E-07	7.23E-09	1.75E-07	3.85E-08	5.54E-08	8.79E-08	1.55E-08	1.76E-08	3.97E-07
4947	479863.09	3862877.25	7.88E-04	8.50E-04	1.34E-03	2.73E-07	8.24E-07	4.77E-07	5.14E-07	4.66E-07	2.13E-07	3.35E-07	9.11E-09	2.20E-07	4.86E-08	6.98E-08	1.11E-07	1.95E-08	2.21E-08	5.00E-07
4948	480363.09	3862877.25	8.22E-04	8.86E-04	1.39E-03	2.85E-07	8.60E-07	4.98E-07	5.36E-07	4.86E-07	2.22E-07	3.49E-07	9.51E-09	2.30E-07	5.07E-08	7.28E-08	1.16E-07	2.04E-08	2.30E-08	5.22E-07
4949	480863.09	3862877.25	8.60E-04	9.27E-04	1.46E-03	2.98E-07	8.98E-07	5.20E-07	5.61E-07	5.08E-07	2.32E-07	3.64E-07	9.94E-09	2.40E-07	5.30E-08	7.61E-08	1.21E-07	2.13E-08	2.40E-08	5.45E-07

4950	481363.09	3862877.25	8.95E-04	9.64E-04	1.51E-03	3.10E-07	9.35E-07	5.41E-07	5.83E-07	5.29E-07	2.41E-07	3.79E-07	1.03E-08	2.50E-07	5.51E-08	7.92E-08	1.26E-07	2.21E-08	2.50E-08	5.67E-07
4951	481863.09	3862877.25	9.36E-04	1.01E-03	1.59E-03	3.24E-07	9.78E-07	5.66E-07	6.10E-07	5.53E-07	2.52E-07	3.97E-07	1.08E-08	2.61E-07	5.77E-08	8.29E-08	1.31E-07	2.32E-08	2.62E-08	5.94E-07
4952	482363.09	3862877.25	9.65E-04	1.04E-03	1.63E-03	3.34E-07	1.01E-06	5.84E-07	6.29E-07	5.70E-07	2.60E-07	4.09E-07	1.12E-08	2.69E-07	5.95E-08	8.54E-08	1.36E-07	2.39E-08	2.70E-08	6.12E-07
4953	482863.09	3862877.25	9.97E-04	1.07E-03	1.69E-03	3.45E-07	1.04E-06	6.03E-07	6.50E-07	5.89E-07	2.69E-07	4.22E-07	1.15E-08	2.78E-07	6.14E-08	8.83E-08	1.40E-07	2.47E-08	2.78E-08	6.32E-07
4954	483363.09	3862877.25	1.02E-03	1.10E-03	1.72E-03	3.53E-07	1.07E-06	6.17E-07	6.65E-07	6.03E-07	2.75E-07	4.32E-07	1.18E-08	2.85E-07	6.29E-08	9.03E-08	1.43E-07	2.53E-08	2.85E-08	6.47E-07
4955	483863.09	3862877.25	1.03E-03	1.11E-03	1.74E-03	3.57E-07	1.08E-06	6.24E-07	6.72E-07	6.09E-07	2.78E-07	4.36E-07	1.19E-08	2.88E-07	6.35E-08	9.13E-08	1.45E-07	2.55E-08	2.87E-08	6.54E-07
4956	484363.09	3862877.25	1.04E-03	1.12E-03	1.75E-03	3.59E-07	1.08E-06	6.27E-07	6.76E-07	6.12E-07	2.79E-07	4.38E-07	1.20E-08	2.89E-07	6.39E-08	9.17E-08	1.46E-07	2.56E-08	2.89E-08	6.57E-07
4957	484863.09	3862877.25	1.03E-03	1.11E-03	1.73E-03	3.56E-07	1.07E-06	6.22E-07	6.69E-07	6.07E-07	2.77E-07	4.33E-07	1.19E-08	2.87E-07	6.33E-08	9.09E-08	1.44E-07	2.54E-08	2.86E-08	6.51E-07
4958	485363.09	3862877.25	1.03E-03	1.10E-03	1.73E-03	3.55E-07	1.07E-06	6.20E-07	6.68E-07	6.06E-07	2.76E-07	4.32E-07	1.19E-08	2.86E-07	6.32E-08	9.07E-08	1.44E-07	2.54E-08	2.85E-08	6.50E-07
4959	485863.09	3862877.25	1.02E-03	1.09E-03	1.71E-03	3.52E-07	1.06E-06	6.15E-07	6.62E-07	6.01E-07	2.74E-07	4.28E-07	1.18E-08	2.84E-07	6.26E-08	8.99E-08	1.43E-07	2.51E-08	2.82E-08	6.44E-07
4960	486363.09	3862877.25	1.01E-03	1.09E-03	1.70E-03	3.50E-07	1.06E-06	6.13E-07	6.60E-07	5.98E-07	2.73E-07	4.26E-07	1.17E-08	2.83E-07	6.24E-08	8.96E-08	1.42E-07	2.50E-08	2.81E-08	6.42E-07
4961	486863.09	3862877.25	9.94E-04	1.07E-03	1.67E-03	3.44E-07	1.04E-06	6.01E-07	6.47E-07	5.87E-07	2.68E-07	4.18E-07	1.15E-08	2.77E-07	6.12E-08	8.79E-08	1.39E-07	2.46E-08	2.76E-08	6.30E-07
4962	487363.09	3862877.25	9.83E-04	1.06E-03	1.65E-03	3.40E-07	1.03E-06	5.95E-07	6.40E-07	5.80E-07	2.65E-07	4.13E-07	1.14E-08	2.74E-07	6.05E-08	8.69E-08	1.38E-07	2.43E-08	2.73E-08	6.23E-07
4963	487863.09	3862877.25	9.81E-04	1.06E-03	1.65E-03	3.40E-07	1.03E-06	5.94E-07	6.39E-07	5.79E-07	2.64E-07	4.13E-07	1.13E-08	2.74E-07	6.04E-08	8.68E-08	1.38E-07	2.43E-08	2.73E-08	6.22E-07
4964	488363.09	3862877.25	9.86E-04	1.06E-03	1.66E-03	3.41E-07	1.03E-06	5.96E-07	6.43E-07	5.82E-07	2.66E-07	4.16E-07	1.14E-08	2.75E-07	6.07E-08	8.72E-08	1.38E-07	2.44E-08	2.75E-08	6.25E-07
4965	488863.09	3862877.25	9.92E-04	1.07E-03	1.68E-03	3.43E-07	1.04E-06	6.00E-07	6.47E-07	5.87E-07	2.68E-07	4.20E-07	1.15E-08	2.77E-07	6.11E-08	8.79E-08	1.39E-07	2.46E-08	2.77E-08	6.29E-07
4966	489363.09	3862877.25	9.97E-04	1.07E-03	1.69E-03	3.45E-07	1.04E-06	6.03E-07	6.50E-07	5.89E-07	2.69E-07	4.23E-07	1.15E-08	2.78E-07	6.14E-08	8.83E-08	1.40E-07	2.47E-08	2.79E-08	6.32E-07
4967	489863.09	3862877.25	1.01E-03	1.09E-03	1.71E-03	3.49E-07	1.05E-06	6.10E-07	6.57E-07	5.96E-07	2.72E-07	4.28E-07	1.16E-08	2.81E-07	6.21E-08	8.92E-08	1.42E-07	2.50E-08	2.82E-08	6.39E-07
4968	490363.09	3862877.25	1.02E-03	1.10E-03	1.73E-03	3.53E-07	1.07E-06	6.18E-07	6.66E-07	6.04E-07	2.75E-07	4.34E-07	1.18E-08	2.85E-07	6.29E-08	9.04E-08	1.43E-07	2.53E-08	2.86E-08	6.47E-07
4969	490863.09	3862877.25	1.03E-03	1.11E-03	1.75E-03	3.56E-07	1.07E-06	6.22E-07	6.71E-07	6.08E-07	2.77E-07	4.37E-07	1.19E-08	2.87E-07	6.33E-08	9.10E-08	1.44E-07	2.55E-08	2.89E-08	6.52E-07
4970	491363.09	3862877.25	1.04E-03	1.12E-03	1.78E-03	3.61E-07	1.09E-06	6.31E-07	6.80E-07	6.17E-07	2.81E-07	4.44E-07	1.20E-08	2.91E-07	6.42E-08	9.24E-08	1.47E-07	2.58E-08	2.93E-08	6.61E-07
4971	491863.09	3862877.25	1.05E-03	1.13E-03	1.79E-03	3.63E-07	1.10E-06	6.35E-07	6.85E-07	6.21E-07	2.83E-07	4.48E-07	1.21E-08	2.93E-07	6.46E-08	9.30E-08	1.47E-07	2.60E-08	2.95E-08	6.66E-07
4972	492363.09	3862877.25	1.07E-03	1.15E-03	1.82E-03	3.69E-07	1.12E-06	6.46E-07	6.97E-07	6.32E-07	2.88E-07	4.57E-07	1.23E-08	2.98E-07	6.57E-08	9.46E-08	1.50E-07	2.64E-08	3.01E-08	6.77E-07
4973	492863.09	3862877.25	1.05E-03	1.13E-03	1.80E-03	3.64E-07	1.10E-06	6.36E-07	6.87E-07	6.23E-07	2.84E-07	4.50E-07	1.22E-08	2.94E-07	6.48E-08	9.32E-08	1.48E-07	2.61E-08	2.97E-08	6.68E-07
4974	493363.09	3862877.25	1.01E-03	1.09E-03	1.73E-03	3.49E-07	1.05E-06	6.11E-07	6.59E-07	5.97E-07	2.73E-07	4.32E-07	1.17E-08	2.82E-07	6.22E-08	8.95E-08	1.42E-07	2.50E-08	2.85E-08	6.41E-07
4975	493863.09	3862877.25	9.73E-04	1.05E-03	1.67E-03	3.37E-07	1.02E-06	5.89E-07	6.36E-07	5.76E-07	2.63E-07	4.17E-07	1.13E-08	2.72E-07	6.00E-08	8.63E-08	1.37E-07	2.41E-08	2.75E-08	6.18E-07
4976	494363.09	3862877.25	9.54E-04	1.03E-03	1.63E-03	3.30E-07	9.97E-07	5.77E-07	6.23E-07	5.65E-07	2.58E-07	4.09E-07	1.10E-08	2.66E-07	5.88E-08	8.46E-08	1.34E-07	2.36E-08	2.70E-08	6.05E-07
4977	494863.09	3862877.25	9.44E-04	1.02E-03	1.62E-03	3.27E-07	9.86E-07	5.71E-07	6.16E-07	5.59E-07	2.55E-07	4.05E-07	1.09E-08	2.64E-07	5.81E-08	8.37E-08	1.33E-07	2.34E-08	2.67E-08	5.99E-07
4978	495363.09	3862877.25	9.52E-04	1.03E-03	1.63E-03	3.29E-07	9.95E-07	5.76E-07	6.22E-07	5.64E-07	2.57E-07	4.08E-07	1.10E-08	2.66E-07	5.86E-08	8.44E-08	1.34E-07	2.36E-08	2.69E-08	6.04E-07
4979	495863.09	3862877.25	9.73E-04	1.05E-03	1.67E-03	3.37E-07	1.02E-06	5.89E-07	6.36E-07	5.76E-07	2.63E-07	4.18E-07	1.13E-08	2.72E-07	6.00E-08	8.63E-08	1.37E-07	2.41E-08	2.76E-08	6.18E-07
4980	496363.09	3862877.25	9.98E-04	1.08E-03	1.72E-03	3.46E-07	1.04E-06	6.04E-07	6.52E-07	5.91E-07	2.70E-07	4.29E-07	1.15E-08	2.79E-07	6.15E-08	8.85E-08	1.40E-07	2.48E-08	2.83E-08	6.34E-07
4981	496863.09	3862877.25	1.02E-03	1.10E-03	1.75E-03	3.51E-07	1.06E-06	6.14E-07	6.63E-07	6.01E-07	2.74E-07	4.37E-07	1.17E-08	2.83E-07	6.25E-08	9.01E-08	1.43E-07	2.52E-08	2.88E-08	6.45E-07
4982	497363.09	3862877.25	1.02E-03	1.10E-03	1.75E-03	3.52E-07	1.06E-06	6.15E-07	6.64E-07	6.02E-07	2.75E-07	4.38E-07	1.18E-08	2.84E-07	6.26E-08	9.02E-08	1.43E-07	2.52E-08	2.89E-08	6.46E-07
4983	497863.09	3862877.25	1.01E-03	1.09E-03	1.74E-03	3.49E-07	1.05E-06	6.11E-07	6.60E-07	5.98E-07	2.73E-07	4.36E-07	1.17E-08	2.82E-07	6.22E-08	8.96E-08	1.42E-07	2.50E-08	2.87E-08	6.41E-07
4984	498363.09	3862877.25	9.99E-04	1.08E-03	1.72E-03	3.46E-07	1.04E-06	6.04E-07	6.53E-07	5.92E-07	2.70E-07	4.31E-07	1.15E-08	2.79E-07	6.16E-08	8.87E-08	1.41E-07	2.48E-08	2.85E-08	6.35E-07
4985	471363.09	3863377.25	3.89E-04	4.20E-04	6.65E-04	1.35E-07	4.07E-07	2.36E-07	2.54E-07	2.30E-07	1.05E-07	1.66E-07	4.50E-09	1.09E-07	2.40E-08	3.45E-08	5.48E-08	9.65E-09	1.10E-08	2.47E-07
4986	471863.09	3863377.25	4.03E-04	4.34E-04	6.87E-04	1.39E-07	4.21E-07	2.44E-07	2.63E-07	2.38E-07	1.09E-07	1.72E-07	4.65E-09	1.12E-07	2.48E-08	3.57E-08	5.66E-08	9.97E-09	1.13E-08	2.55E-07
4987	472363.09	3863377.25	4.16E-04	4.49E-04	7.10E-04	1.44E-07	4.35E-07	2.52E-07	2.72E-07	2.46E-07	1.12E-07	1.78E-07	4.81E-09	1.16E-07	2.57E-08	3.69E-08	5.85E-08	1.03E-08	1.17E-08	2.64E-07
4988	472863.09	3863377.25	4.30E-04	4.64E-04	7.33E-04	1.49E-07	4.50E-07	2.60E-07	2.81E-07	2.54E-07	1.16E-07	1.84E-07	4.97E-09	1.20E-07	2.65E-08	3.81E-08	6.05E-08	1.07E-08	1.21E-08	2.73E-07
4989	473363.09	3863377.25	4.44E-04	4.79E-04	7.57E-04	1.54E-07	4.64E-07	2.69E-07	2.90E-07	2.63E-07	1.20E-07	1.89E-07	5.14E-09	1.24E-07	2.74E-08	3.94E-08	6.24E-08	1.10E-08	1.25E-08	2.82E-07
4990	473863.09	3863377.25	4.59E-04	4.95E-04	7.81E-04	1.59E-07	4.79E-07	2.78E-07	2.99E-07	2.71E-07	1.24E-07	1.96E-07	5.30E-09	1.28E-07	2.83E-08	4.06E-08	6.45E-08	1.14E-08	1.29E-08	2.91E-07
4991	474363.09	3863377.25	4.74E-04	5.11E-04	8.07E-04	1.64E-07	4.95E-07	2.87E-07	3.09E-07	2.80E-07	1.28E-07	2.02E-07	5.48E-09	1.32E-07	2.92E-08	4.20E-08	6.66E-08	1.17E-08	1.33E-08	3.01E-07
4992	474863.09	3863377.25	4.91E-04	5.29E-04	8.35E-04	1.70E-07	5.13E-07	2.97E-07	3.20E-07	2.90E-07	1.32E-07	2.09E-07	5.67E-09	1.37E-07	3.02E-08	4.35E-08	6.90E-08	1.22E-08	1.38E-08	3.11E-07
4993	475363.09	3863377.25	5.09E-04	5.49E-04	8.66E-04	1.76E-07	5.32E-07	3.08E-07	3.32E-07	3.01E-07	1.37E-07	2.17E-07	5.88E-09	1.42E-07	3.13E-08	4.51E-08	7.15E-08	1.26E-08	1.43E-08	3.23E-07
4994	475863.09	3863377.25	5.28E-04	5.70E-04	8.99E-04	1.83E-07	5.52E-07	3.20E-07	3.45E-07	3.12E-07	1.43E-07	2.25E-07	6.11E-09	1.47E-07	3.25E-08	4.68E-08	7.42E-08	1.31E-08	1.48E-08	3.35E-07
4995	476363.09	3863377.25	5.48E-04	5.91E-04	9.32E-04	1.90E-07	5.73E-07	3.32E-07	3.58E-07	3.24E-07	1.48E-07	2.33E-07	6.34E-09	1.53E-07	3.38E-08	4.86E-08	7.70E-08	1.36E-08	1.54E-08	3.48E-07
4996	476863.09	3863377.25	5.69E-04	6.14E-04	9.68E-04	1.97E-07	5.95E-07	3.44E-07	3.71E-07	3.37E-07	1.54E-07	2.42E-07	6.58E-09	1.59E-07	3.51E-08	5.04E-08	8.00E-08	1.41E-08	1.60E-08	3.61E-07
4997	477363.09	3863377.25	5.91E-04	6.37E-04	1.00E-03	2.04E-07	6.17E-07	3.57E-07	3.85E-07	3.49E-07	1.59E-07	2.51E-07	6.83E-09	1.65E-07	3.64E-08	5.23E-08	8.30E-08	1.46E-08	1.66E-08	3.75E-07
4998	477863.09	3863377.25	6.06E-04	6.53E-04	1.03E-03	2.10E-07	6.33E-07	3.67E-07	3.95E-07	3.58E-07	1.64E-07	2.58E-07	7.00E-09	1.69E-07	3.73E-08	5.37E-08	8.52E-08	1.50E-08	1.70E-08	3.84E-07
4999	478363.09	3863377.25	6.02E-04	6.50E-04	1.03E-03	2.08E-07	6.29E-07	3.64E-07	3.93E-07	3.56E-07	1.63E-07	2.57E-07	6.96E-09	1.68E-07	3.71E-08	5.34E-08	8.46E-08	1.49E-08	1.69E-08	3.82E-07
5000	478863.09	3863377.25	6.39E-04	6.90E-04	1.09E-03	2.21E-07	6.68E-07	3.87E-07	4.17E-07	3.78E-07	1.73E-07	2.72E-07	7.39E-09	1.79E-07	3.94E-08	5.67E-08	8.99E-08	1.58E-08	1.80E-08	4.06E-07
5001	479363.09	3863377.25	6.89E-04	7.43E-04	1.17E-03	2.38E-07	7.20E-07	4.17E-07	4.49E-07	4.07E-07	1.86E-07	2.92E-07	7.96E-09	1.92E-07	4.24E-08	6.10E-08	9.68E-08	1.71E-08	1.93E-08	4.37E-07
5002	479863.09	3863377.25	7.24E-04	7.80E-04	1.23E-03	2.51E-07	7.56E-07	4.38E-07	4.72E-07	4.28E-07	1.95E-07	3.07E-07	8.37E-09	2.02E-07	4.46E-08	6.41E-08	1.02E-07	1.79E-08	2.02E-08	4.59E-07
5003	480363.09	3863377.25	7.52E-04	8.11E-04	1.27E-03	2.60E-07	7.86E-07	4.55E-07	4.90E-07	4.45E-07	2.03E-07	3.19E-07	8.69E-09	2.10E-07	4.63E-08	6.66E-08	1.06E-07	1.86E-08	2.10E-08	4.77E-07
5004	480863.09	3863377.25	7.85E-04	8.46E-04	1.33E-03	2.72E-07	8.20E-07	4.75E-07	5.12E-07	4.64E-07	2.12E-07	3.33E-07	9.07E-09	2.19E-07	4.83E-08	6.95E-08	1.10E-07	1.94E-08	2.19E-08	4.98E-07
5005	481363.09	3863377.25	8.12E-04	8.75E-04	1.38E-03	2.81E-07	8.49E-07	4.91E-07	5.30E-07	4.80E-07	2.19E-07	3.44E-07	9.39E-09	2.27E-07	5.00E-08	7.19E-08	1.14E-07	2.01E-08	2.27E-08	5.15E-07
5006	481863.09	3863377.25	8.42E-04	9.07E-04	1.42E-03	2.91E-07	8.80E-07	5.09E-07	5.49E-07	4.97E-07	2.27E-07	3.56E-07	9.73E-09	2.35E-07	5.18E-08	7.45E-08	1.18E-07	2.08E-08	2.35E-08	5.34E-07
5007	482363.09	3863377.25	8.69E-04	9.36E-04	1.47E-03	3.01E-07	9.08E-07	5.26E-07	5.67E-07	5.14E-07	2.34E-07	3.68E-07	1.00E-08	2.43E-07	5.35E-08	7.69E-08	1.22E-07	2.15E-08	2.43E-08	5.51E-07
5008	482863.09	3863377.25	8.91E-04	9.60E-04	1.51E-03	3.08E-07	9.31E-07	5.39E-07	5.81E-07	5.27E-07	2.40E-07	3.77E-07	1.03E-08	2.49E-07	5.49E-08	7.89E-08	1.25E-07	2.21E-08	2.49E-08	5.65E-07

5009	483363.09	3863377.25	9.07E-04	9.78E-04	1.53E-03	3.14E-07	9.48E-07	5.49E-07	5.91E-07	5.36E-07	2.45E-07	3.84E-07	1.05E-08	2.53E-07	5.59E-08	8.03E-08	1.27E-07	2.25E-08	2.53E-08	5.75E-07
5010	483863.09	3863377.25	9.12E-04	9.83E-04	1.54E-03	3.16E-07	9.53E-07	5.52E-07	5.95E-07	5.39E-07	2.46E-07	3.85E-07	1.05E-08	2.55E-07	5.62E-08	8.07E-08	1.28E-07	2.26E-08	2.54E-08	5.78E-07
5011	484363.09	3863377.25	9.08E-04	9.79E-04	1.53E-03	3.14E-07	9.49E-07	5.50E-07	5.92E-07	5.37E-07	2.45E-07	3.83E-07	1.05E-08	2.54E-07	5.60E-08	8.04E-08	1.28E-07	2.25E-08	2.53E-08	5.76E-07
5012	484863.09	3863377.25	9.06E-04	9.76E-04	1.52E-03	3.14E-07	9.47E-07	5.48E-07	5.90E-07	5.35E-07	2.44E-07	3.82E-07	1.05E-08	2.53E-07	5.58E-08	8.02E-08	1.27E-07	2.24E-08	2.52E-08	5.74E-07
5013	485363.09	3863377.25	8.97E-04	9.66E-04	1.51E-03	3.10E-07	9.37E-07	5.43E-07	5.84E-07	5.30E-07	2.42E-07	3.77E-07	1.04E-08	2.50E-07	5.52E-08	7.93E-08	1.26E-07	2.22E-08	2.49E-08	5.68E-07
5014	485863.09	3863377.25	8.91E-04	9.60E-04	1.50E-03	3.09E-07	9.32E-07	5.39E-07	5.81E-07	5.26E-07	2.40E-07	3.75E-07	1.03E-08	2.49E-07	5.49E-08	7.88E-08	1.25E-07	2.20E-08	2.47E-08	5.65E-07
5015	486363.09	3863377.25	8.87E-04	9.56E-04	1.49E-03	3.07E-07	9.28E-07	5.37E-07	5.78E-07	5.24E-07	2.39E-07	3.73E-07	1.03E-08	2.48E-07	5.47E-08	7.85E-08	1.25E-07	2.19E-08	2.46E-08	5.62E-07
5016	486863.09	3863377.25	8.77E-04	9.44E-04	1.47E-03	3.04E-07	9.17E-07	5.31E-07	5.71E-07	5.18E-07	2.36E-07	3.69E-07	1.01E-08	2.45E-07	5.40E-08	7.76E-08	1.23E-07	2.17E-08	2.43E-08	5.56E-07
5017	487363.09	3863377.25	8.66E-04	9.32E-04	1.45E-03	3.00E-07	9.05E-07	5.24E-07	5.64E-07	5.11E-07	2.33E-07	3.64E-07	1.00E-08	2.42E-07	5.33E-08	7.66E-08	1.21E-07	2.14E-08	2.40E-08	5.48E-07
5018	487863.09	3863377.25	8.61E-04	9.27E-04	1.45E-03	2.98E-07	9.00E-07	5.21E-07	5.61E-07	5.08E-07	2.32E-07	3.62E-07	9.95E-09	2.40E-07	5.30E-08	7.61E-08	1.21E-07	2.13E-08	2.39E-08	5.45E-07
5019	488363.09	3863377.25	8.63E-04	9.30E-04	1.46E-03	2.99E-07	9.02E-07	5.22E-07	5.63E-07	5.10E-07	2.33E-07	3.64E-07	9.98E-09	2.41E-07	5.32E-08	7.64E-08	1.21E-07	2.14E-08	2.40E-08	5.47E-07
5020	488863.09	3863377.25	8.70E-04	9.38E-04	1.47E-03	3.01E-07	9.09E-07	5.26E-07	5.67E-07	5.14E-07	2.35E-07	3.68E-07	1.01E-08	2.43E-07	5.36E-08	7.70E-08	1.22E-07	2.15E-08	2.43E-08	5.52E-07
5021	489363.09	3863377.25	8.72E-04	9.39E-04	1.48E-03	3.02E-07	9.11E-07	5.27E-07	5.68E-07	5.15E-07	2.35E-07	3.69E-07	1.01E-08	2.43E-07	5.37E-08	7.72E-08	1.22E-07	2.16E-08	2.44E-08	5.53E-07
5022	489863.09	3863377.25	8.76E-04	9.45E-04	1.49E-03	3.03E-07	9.16E-07	5.30E-07	5.72E-07	5.18E-07	2.36E-07	3.72E-07	1.01E-08	2.45E-07	5.40E-08	7.76E-08	1.23E-07	2.17E-08	2.45E-08	5.56E-07
5023	490363.09	3863377.25	8.88E-04	9.57E-04	1.51E-03	3.07E-07	9.28E-07	5.37E-07	5.79E-07	5.25E-07	2.40E-07	3.77E-07	1.03E-08	2.48E-07	5.47E-08	7.87E-08	1.25E-07	2.20E-08	2.49E-08	5.63E-07
5024	490863.09	3863377.25	9.02E-04	9.72E-04	1.53E-03	3.12E-07	9.42E-07	5.46E-07	5.88E-07	5.33E-07	2.43E-07	3.84E-07	1.04E-08	2.52E-07	5.56E-08	7.99E-08	1.27E-07	2.23E-08	2.53E-08	5.72E-07
5025	491363.09	3863377.25	9.02E-04	9.73E-04	1.54E-03	3.12E-07	9.43E-07	5.46E-07	5.89E-07	5.34E-07	2.44E-07	3.84E-07	1.04E-08	2.52E-07	5.56E-08	8.00E-08	1.27E-07	2.24E-08	2.53E-08	5.73E-07
5026	491863.09	3863377.25	9.07E-04	9.78E-04	1.55E-03	3.14E-07	9.48E-07	5.49E-07	5.92E-07	5.37E-07	2.45E-07	3.87E-07	1.05E-08	2.53E-07	5.59E-08	8.04E-08	1.27E-07	2.25E-08	2.55E-08	5.75E-07
5027	492363.09	3863377.25	9.32E-04	1.01E-03	1.59E-03	3.23E-07	9.74E-07	5.64E-07	6.09E-07	5.52E-07	2.52E-07	3.98E-07	1.08E-08	2.60E-07	5.74E-08	8.26E-08	1.31E-07	2.31E-08	2.63E-08	5.92E-07
5028	492863.09	3863377.25	9.65E-04	1.04E-03	1.65E-03	3.34E-07	1.01E-06	5.84E-07	6.30E-07	5.71E-07	2.61E-07	4.13E-07	1.12E-08	2.69E-07	5.95E-08	8.56E-08	1.36E-07	2.39E-08	2.73E-08	6.13E-07
5029	493363.09	3863377.25	9.65E-04	1.04E-03	1.65E-03	3.34E-07	1.01E-06	5.84E-07	6.31E-07	5.72E-07	2.61E-07	4.14E-07	1.12E-08	2.70E-07	5.95E-08	8.56E-08	1.36E-07	2.39E-08	2.73E-08	6.13E-07
5030	493863.09	3863377.25	9.26E-04	9.99E-04	1.59E-03	3.20E-07	9.67E-07	5.60E-07	6.05E-07	5.48E-07	2.50E-07	3.97E-07	1.07E-08	2.58E-07	5.70E-08	8.21E-08	1.30E-07	2.29E-08	2.62E-08	5.88E-07
5031	494363.09	3863377.25	8.80E-04	9.50E-04	1.51E-03	3.05E-07	9.20E-07	5.32E-07	5.75E-07	5.21E-07	2.38E-07	3.77E-07	1.02E-08	2.46E-07	5.42E-08	7.80E-08	1.24E-07	2.18E-08	2.49E-08	5.58E-07
5032	494863.09	3863377.25	8.60E-04	9.29E-04	1.47E-03	2.98E-07	8.99E-07	5.21E-07	5.62E-07	5.09E-07	2.32E-07	3.69E-07	9.95E-09	2.40E-07	5.30E-08	7.63E-08	1.21E-07	2.13E-08	2.43E-08	5.46E-07
5033	495363.09	3863377.25	8.59E-04	9.27E-04	1.47E-03	2.97E-07	8.98E-07	5.20E-07	5.61E-07	5.09E-07	2.32E-07	3.69E-07	9.93E-09	2.40E-07	5.29E-08	7.62E-08	1.21E-07	2.13E-08	2.43E-08	5.45E-07
5034	495863.09	3863377.25	8.65E-04	9.34E-04	1.48E-03	2.99E-07	9.04E-07	5.23E-07	5.65E-07	5.12E-07	2.34E-07	3.71E-07	1.00E-08	2.42E-07	5.33E-08	7.67E-08	1.22E-07	2.14E-08	2.45E-08	5.49E-07
5035	496363.09	3863377.25	8.54E-04	9.22E-04	1.47E-03	2.96E-07	8.93E-07	5.17E-07	5.58E-07	5.06E-07	2.31E-07	3.67E-07	9.87E-09	2.38E-07	5.26E-08	7.57E-08	1.20E-07	2.12E-08	2.42E-08	5.42E-07
5036	496863.09	3863377.25	8.57E-04	9.26E-04	1.47E-03	2.97E-07	8.96E-07	5.19E-07	5.60E-07	5.08E-07	2.32E-07	3.69E-07	9.91E-09	2.39E-07	5.28E-08	7.61E-08	1.21E-07	2.13E-08	2.43E-08	5.44E-07
5037	497363.09	3863377.25	8.77E-04	9.47E-04	1.51E-03	3.04E-07	9.17E-07	5.31E-07	5.73E-07	5.19E-07	2.37E-07	3.78E-07	1.01E-08	2.45E-07	5.40E-08	7.78E-08	1.23E-07	2.18E-08	2.49E-08	5.57E-07
5038	497863.09	3863377.25	8.92E-04	9.64E-04	1.54E-03	3.09E-07	9.33E-07	5.40E-07	5.83E-07	5.29E-07	2.41E-07	3.85E-07	1.03E-08	2.49E-07	5.50E-08	7.92E-08	1.26E-07	2.21E-08	2.54E-08	5.67E-07
5039	498363.09	3863377.25	8.95E-04	9.67E-04	1.54E-03	3.10E-07	9.36E-07	5.42E-07	5.85E-07	5.30E-07	2.42E-07	3.86E-07	1.03E-08	2.50E-07	5.52E-08	7.95E-08	1.26E-07	2.22E-08	2.55E-08	5.69E-07
5040	471363.09	3863877.25	3.73E-04	4.02E-04	6.36E-04	1.29E-07	3.90E-07	2.26E-07	2.43E-07	2.21E-07	1.01E-07	1.59E-07	4.31E-09	1.04E-07	2.30E-08	3.31E-08	5.24E-08	9.24E-09	1.05E-08	2.37E-07
5041	471863.09	3863877.25	3.84E-04	4.14E-04	6.55E-04	1.33E-07	4.01E-07	2.32E-07	2.51E-07	2.27E-07	1.04E-07	1.64E-07	4.44E-09	1.07E-07	2.37E-08	3.40E-08	5.40E-08	9.51E-09	1.08E-08	2.44E-07
5042	472363.09	3863877.25	3.96E-04	4.27E-04	6.75E-04	1.37E-07	4.14E-07	2.40E-07	2.58E-07	2.34E-07	1.07E-07	1.69E-07	4.58E-09	1.11E-07	2.44E-08	3.51E-08	5.57E-08	9.81E-09	1.11E-08	2.51E-07
5043	472863.09	3863877.25	4.08E-04	4.40E-04	6.95E-04	1.41E-07	4.26E-07	2.47E-07	2.66E-07	2.41E-07	1.10E-07	1.74E-07	4.71E-09	1.14E-07	2.51E-08	3.61E-08	5.73E-08	1.01E-08	1.15E-08	2.59E-07
5044	473363.09	3863877.25	4.20E-04	4.53E-04	7.14E-04	1.45E-07	4.39E-07	2.54E-07	2.74E-07	2.48E-07	1.13E-07	1.79E-07	4.85E-09	1.17E-07	2.59E-08	3.72E-08	5.90E-08	1.04E-08	1.18E-08	2.66E-07
5045	473863.09	3863877.25	4.33E-04	4.66E-04	7.36E-04	1.50E-07	4.52E-07	2.62E-07	2.82E-07	2.56E-07	1.17E-07	1.84E-07	5.00E-09	1.21E-07	2.66E-08	3.83E-08	6.08E-08	1.07E-08	1.22E-08	2.74E-07
5046	474363.09	3863877.25	4.46E-04	4.81E-04	7.59E-04	1.54E-07	4.66E-07	2.70E-07	2.91E-07	2.64E-07	1.20E-07	1.90E-07	5.16E-09	1.25E-07	2.75E-08	3.95E-08	6.27E-08	1.10E-08	1.25E-08	2.83E-07
5047	474863.09	3863877.25	4.60E-04	4.96E-04	7.83E-04	1.59E-07	4.81E-07	2.79E-07	3.00E-07	2.72E-07	1.24E-07	1.96E-07	5.32E-09	1.29E-07	2.84E-08	4.08E-08	6.47E-08	1.14E-08	1.29E-08	2.92E-07
5048	475363.09	3863877.25	4.77E-04	5.14E-04	8.11E-04	1.65E-07	4.98E-07	2.89E-07	3.11E-07	2.82E-07	1.29E-07	2.03E-07	5.51E-09	1.33E-07	2.94E-08	4.22E-08	6.70E-08	1.18E-08	1.34E-08	3.02E-07
5049	475863.09	3863877.25	4.93E-04	5.31E-04	8.37E-04	1.71E-07	5.15E-07	2.98E-07	3.22E-07	2.91E-07	1.33E-07	2.10E-07	5.70E-09	1.38E-07	3.04E-08	4.37E-08	6.93E-08	1.22E-08	1.38E-08	3.13E-07
5050	476363.09	3863877.25	5.10E-04	5.50E-04	8.66E-04	1.77E-07	5.33E-07	3.09E-07	3.33E-07	3.02E-07	1.38E-07	2.17E-07	5.90E-09	1.42E-07	3.14E-08	4.52E-08	7.17E-08	1.26E-08	1.43E-08	3.24E-07
5051	476863.09	3863877.25	5.29E-04	5.70E-04	8.97E-04	1.83E-07	5.52E-07	3.20E-07	3.45E-07	3.13E-07	1.43E-07	2.24E-07	6.11E-09	1.48E-07	3.26E-08	4.68E-08	7.43E-08	1.31E-08	1.48E-08	3.35E-07
5052	477363.09	3863877.25	5.49E-04	5.92E-04	9.32E-04	1.90E-07	5.74E-07	3.32E-07	3.58E-07	3.25E-07	1.48E-07	2.33E-07	6.35E-09	1.53E-07	3.38E-08	4.86E-08	7.72E-08	1.36E-08	1.54E-08	3.48E-07
5053	477863.09	3863877.25	5.71E-04	6.15E-04	9.69E-04	1.98E-07	5.97E-07	3.45E-07	3.72E-07	3.38E-07	1.54E-07	2.43E-07	6.60E-09	1.59E-07	3.52E-08	5.06E-08	8.02E-08	1.41E-08	1.60E-08	3.62E-07
5054	478363.09	3863877.25	5.82E-04	6.27E-04	9.88E-04	2.01E-07	6.08E-07	3.52E-07	3.79E-07	3.44E-07	1.57E-07	2.47E-07	6.72E-09	1.62E-07	3.58E-08	5.15E-08	8.17E-08	1.44E-08	1.63E-08	3.69E-07
5055	478863.09	3863877.25	6.21E-04	6.70E-04	1.05E-03	2.15E-07	6.49E-07	3.76E-07	4.05E-07	3.67E-07	1.68E-07	2.64E-07	7.18E-09	1.73E-07	3.83E-08	5.50E-08	8.73E-08	1.54E-08	1.74E-08	3.94E-07
5056	479363.09	3863877.25	6.46E-04	6.96E-04	1.09E-03	2.23E-07	6.75E-07	3.91E-07	4.21E-07	3.82E-07	1.74E-07	2.74E-07	7.46E-09	1.80E-07	3.98E-08	5.72E-08	9.07E-08	1.60E-08	1.81E-08	4.09E-07
5057	479863.09	3863877.25	6.67E-04	7.19E-04	1.13E-03	2.31E-07	6.98E-07	4.04E-07	4.35E-07	3.95E-07	1.80E-07	2.83E-07	7.72E-09	1.86E-07	4.11E-08	5.91E-08	9.38E-08	1.65E-08	1.87E-08	4.23E-07
5058	480363.09	3863877.25	6.91E-04	7.45E-04	1.17E-03	2.39E-07	7.22E-07	4.18E-07	4.51E-07	4.09E-07	1.86E-07	2.93E-07	7.99E-09	1.93E-07	4.26E-08	6.12E-08	9.71E-08	1.71E-08	1.93E-08	4.38E-07
5059	480863.09	3863877.25	7.18E-04	7.74E-04	1.22E-03	2.49E-07	7.51E-07	4.34E-07	4.68E-07	4.25E-07	1.94E-07	3.04E-07	8.30E-09	2.00E-07	4.42E-08	6.36E-08	1.01E-07	1.78E-08	2.01E-08	4.55E-07
5060	481363.09	3863877.25	7.42E-04	7.99E-04	1.26E-03	2.57E-07	7.75E-07	4.49E-07	4.84E-07	4.38E-07	2.00E-07	3.14E-07	8.57E-09	2.07E-07	4.57E-08	6.57E-08	1.04E-07	1.84E-08	2.07E-08	4.70E-07
5061	481863.09	3863877.25	7.64E-04	8.23E-04	1.29E-03	2.64E-07	7.98E-07	4.62E-07	4.98E-07	4.52E-07	2.06E-07	3.23E-07	8.83E-09	2.13E-07	4.71E-08	6.76E-08	1.07E-07	1.89E-08	2.13E-08	4.84E-07
5062	482363.09	3863877.25	7.87E-04	8.48E-04	1.33E-03	2.72E-07	8.22E-07	4.76E-07	5.13E-07	4.65E-07	2.12E-07	3.33E-07	9.09E-09	2.20E-07	4.85E-08	6.96E-08	1.10E-07	1.95E-08	2.20E-08	4.99E-07
5063	482863.09	3863877.25	8.02E-04	8.64E-04	1.36E-03	2.78E-07	8.38E-07	4.85E-07	5.23E-07	4.74E-07	2.16E-07	3.39E-07	9.27E-09	2.24E-07	4.94E-08	7.10E-08	1.13E-07	1.99E-08	2.24E-08	5.09E-07
5064	483363.09	3863877.25	8.10E-04	8.73E-04	1.37E-03	2.81E-07	8.47E-07	4.90E-07	5.28E-07	4.79E-07	2.19E-07	3.42E-07	9.37E-09	2.26E-07	4.99E-08	7.17E-08	1.14E-07	2.01E-08	2.26E-08	5.14E-07
5065	483863.09	3863877.25	8.12E-04	8.75E-04	1.37E-03	2.81E-07	8.49E-07	4.91E-07	5.29E-07	4.80E-07	2.19E-07	3.43E-07	9.39E-09	2.27E-07	5.00E-08	7.19E-08	1.14E-07	2.01E-08	2.26E-08	5.15E-07
5066	484363.09	3863877.25	8.06E-04	8.68E-04	1.36E-03	2.79E-07	8.43E-07	4.88E-07	5.25E-07	4.76E-07	2.17E-07	3.40E-07	9.32E-09	2.25E-07	4.97E-08	7.13E-08	1.13E-07	1.99E-08	2.24E-08	5.11E-07
5067	484863.09	3863877.25	8.01E-04	8.62E-04	1.35E-03	2.77E-07	8.37E-07	4.85E-07	5.22E-07	4.73E-07	2.16E-07	3.37E-07	9.26E-09	2.24E-07	4.93E-08	7.09E-08	1.12E-07	1.98E-08	2.22E-08	5.08E-07

5068	485363.09	3863877.25	7.94E-04	8.55E-04	1.33E-03	2.75E-07	8.30E-07	4.80E-07	5.17E-07	4.69E-07	2.14E-07	3.34E-07	9.18E-09	2.22E-07	4.89E-08	7.02E-08	1.11E-07	1.96E-08	2.20E-08	5.03E-07
5069	485863.09	3863877.25	7.93E-04	8.53E-04	1.33E-03	2.74E-07	8.28E-07	4.80E-07	5.16E-07	4.68E-07	2.14E-07	3.33E-07	9.16E-09	2.21E-07	4.88E-08	7.01E-08	1.11E-07	1.96E-08	2.20E-08	5.02E-07
5070	486363.09	3863877.25	7.86E-04	8.46E-04	1.32E-03	2.72E-07	8.22E-07	4.76E-07	5.12E-07	4.64E-07	2.12E-07	3.30E-07	9.09E-09	2.19E-07	4.84E-08	6.95E-08	1.10E-07	1.94E-08	2.18E-08	4.98E-07
5071	486863.09	3863877.25	7.77E-04	8.36E-04	1.30E-03	2.69E-07	8.12E-07	4.70E-07	5.06E-07	4.59E-07	2.09E-07	3.26E-07	8.98E-09	2.17E-07	4.78E-08	6.87E-08	1.09E-07	1.92E-08	2.15E-08	4.92E-07
5072	487363.09	3863877.25	7.69E-04	8.27E-04	1.29E-03	2.66E-07	8.03E-07	4.65E-07	5.01E-07	4.54E-07	2.07E-07	3.23E-07	8.88E-09	2.15E-07	4.74E-08	6.80E-08	1.08E-07	1.90E-08	2.13E-08	4.87E-07
5073	487863.09	3863877.25	7.63E-04	8.22E-04	1.28E-03	2.64E-07	7.98E-07	4.62E-07	4.97E-07	4.51E-07	2.06E-07	3.21E-07	8.82E-09	2.13E-07	4.70E-08	6.75E-08	1.07E-07	1.89E-08	2.12E-08	4.84E-07
5074	488363.09	3863877.25	7.65E-04	8.24E-04	1.29E-03	2.65E-07	8.00E-07	4.63E-07	4.99E-07	4.52E-07	2.06E-07	3.22E-07	8.84E-09	2.14E-07	4.71E-08	6.77E-08	1.07E-07	1.89E-08	2.13E-08	4.85E-07
5075	488863.09	3863877.25	7.71E-04	8.30E-04	1.30E-03	2.67E-07	8.05E-07	4.66E-07	5.02E-07	4.55E-07	2.08E-07	3.26E-07	8.91E-09	2.15E-07	4.75E-08	6.82E-08	1.08E-07	1.91E-08	2.15E-08	4.89E-07
5076	489363.09	3863877.25	7.73E-04	8.33E-04	1.31E-03	2.67E-07	8.08E-07	4.68E-07	5.04E-07	4.57E-07	2.08E-07	3.27E-07	8.93E-09	2.16E-07	4.76E-08	6.84E-08	1.09E-07	1.91E-08	2.16E-08	4.90E-07
5077	489863.09	3863877.25	7.75E-04	8.35E-04	1.31E-03	2.68E-07	8.10E-07	4.69E-07	5.05E-07	4.58E-07	2.09E-07	3.28E-07	8.96E-09	2.16E-07	4.77E-08	6.86E-08	1.09E-07	1.92E-08	2.17E-08	4.91E-07
5078	490363.09	3863877.25	7.82E-04	8.43E-04	1.33E-03	2.71E-07	8.17E-07	4.73E-07	5.10E-07	4.62E-07	2.11E-07	3.32E-07	9.04E-09	2.18E-07	4.82E-08	6.92E-08	1.10E-07	1.94E-08	2.19E-08	4.96E-07
5079	490863.09	3863877.25	7.93E-04	8.55E-04	1.35E-03	2.74E-07	8.29E-07	4.80E-07	5.17E-07	4.69E-07	2.14E-07	3.37E-07	9.17E-09	2.21E-07	4.89E-08	7.02E-08	1.11E-07	1.96E-08	2.22E-08	5.03E-07
5080	491363.09	3863877.25	8.00E-04	8.63E-04	1.36E-03	2.77E-07	8.36E-07	4.84E-07	5.22E-07	4.73E-07	2.16E-07	3.41E-07	9.25E-09	2.23E-07	4.93E-08	7.09E-08	1.12E-07	1.98E-08	2.25E-08	5.08E-07
5081	491863.09	3863877.25	8.20E-04	8.85E-04	1.40E-03	2.84E-07	8.58E-07	4.96E-07	5.35E-07	4.85E-07	2.21E-07	3.50E-07	9.48E-09	2.29E-07	5.06E-08	7.27E-08	1.15E-07	2.03E-08	2.31E-08	5.21E-07
5082	492363.09	3863877.25	8.37E-04	9.03E-04	1.43E-03	2.90E-07	8.75E-07	5.06E-07	5.46E-07	4.95E-07	2.26E-07	3.57E-07	9.67E-09	2.34E-07	5.16E-08	7.42E-08	1.18E-07	2.07E-08	2.36E-08	5.31E-07
5083	492863.09	3863877.25	8.43E-04	9.09E-04	1.44E-03	2.92E-07	8.81E-07	5.10E-07	5.50E-07	4.99E-07	2.28E-07	3.60E-07	9.74E-09	2.35E-07	5.19E-08	7.47E-08	1.19E-07	2.09E-08	2.38E-08	5.35E-07
5084	493363.09	3863877.25	8.75E-04	9.44E-04	1.50E-03	3.03E-07	9.14E-07	5.29E-07	5.71E-07	5.18E-07	2.36E-07	3.74E-07	1.01E-08	2.44E-07	5.39E-08	7.75E-08	1.23E-07	2.17E-08	2.47E-08	5.55E-07
5085	493863.09	3863877.25	8.67E-04	9.35E-04	1.48E-03	3.00E-07	9.06E-07	5.24E-07	5.66E-07	5.13E-07	2.34E-07	3.71E-07	1.00E-08	2.42E-07	5.34E-08	7.68E-08	1.22E-07	2.15E-08	2.45E-08	5.50E-07
5086	494363.09	3863877.25	8.32E-04	8.98E-04	1.43E-03	2.88E-07	8.70E-07	5.03E-07	5.43E-07	4.93E-07	2.25E-07	3.57E-07	9.62E-09	2.32E-07	5.13E-08	7.38E-08	1.17E-07	2.06E-08	2.35E-08	5.28E-07
5087	494863.09	3863877.25	7.94E-04	8.57E-04	1.36E-03	2.75E-07	8.30E-07	4.81E-07	5.19E-07	4.70E-07	2.15E-07	3.40E-07	9.18E-09	2.22E-07	4.89E-08	7.04E-08	1.12E-07	1.97E-08	2.25E-08	5.04E-07
5088	495363.09	3863877.25	7.72E-04	8.33E-04	1.32E-03	2.67E-07	8.07E-07	4.67E-07	5.04E-07	4.57E-07	2.08E-07	3.31E-07	8.92E-09	2.16E-07	4.76E-08	6.84E-08	1.09E-07	1.91E-08	2.18E-08	4.90E-07
5089	495863.09	3863877.25	7.64E-04	8.25E-04	1.31E-03	2.65E-07	7.99E-07	4.62E-07	4.99E-07	4.52E-07	2.06E-07	3.28E-07	8.83E-09	2.13E-07	4.71E-08	6.78E-08	1.07E-07	1.89E-08	2.16E-08	4.85E-07
5090	496363.09	3863877.25	7.57E-04	8.17E-04	1.30E-03	2.62E-07	7.91E-07	4.58E-07	4.95E-07	4.48E-07	2.05E-07	3.25E-07	8.75E-09	2.11E-07	4.67E-08	6.72E-08	1.07E-07	1.88E-08	2.14E-08	4.81E-07
5091	496863.09	3863877.25	7.55E-04	8.15E-04	1.30E-03	2.61E-07	7.89E-07	4.57E-07	4.93E-07	4.47E-07	2.04E-07	3.24E-07	8.73E-09	2.11E-07	4.65E-08	6.70E-08	1.06E-07	1.87E-08	2.14E-08	4.79E-07
5092	497363.09	3863877.25	7.60E-04	8.21E-04	1.31E-03	2.63E-07	7.95E-07	4.60E-07	4.97E-07	4.50E-07	2.05E-07	3.27E-07	8.79E-09	2.12E-07	4.69E-08	6.74E-08	1.07E-07	1.89E-08	2.16E-08	4.83E-07
5093	497863.09	3863877.25	7.75E-04	8.37E-04	1.33E-03	2.68E-07	8.10E-07	4.69E-07	5.06E-07	4.59E-07	2.09E-07	3.34E-07	8.96E-09	2.16E-07	4.78E-08	6.88E-08	1.09E-07	1.92E-08	2.20E-08	4.92E-07
5094	498363.09	3863877.25	7.87E-04	8.50E-04	1.35E-03	2.72E-07	8.22E-07	4.76E-07	5.14E-07	4.66E-07	2.13E-07	3.39E-07	9.10E-09	2.20E-07	4.85E-08	6.98E-08	1.11E-07	1.95E-08	2.24E-08	5.00E-07
5095	471363.09	3864377.25	3.56E-04	3.84E-04	6.06E-04	1.23E-07	3.72E-07	2.15E-07	2.32E-07	2.10E-07	9.60E-08	1.52E-07	4.11E-09	9.93E-08	2.19E-08	3.15E-08	5.00E-08	8.81E-09	1.00E-08	2.26E-07
5096	471863.09	3864377.25	3.66E-04	3.94E-04	6.23E-04	1.27E-07	3.82E-07	2.21E-07	2.39E-07	2.16E-07	9.87E-08	1.56E-07	4.23E-09	1.02E-07	2.25E-08	3.24E-08	5.14E-08	9.06E-09	1.03E-08	2.32E-07
5097	472363.09	3864377.25	3.76E-04	4.05E-04	6.40E-04	1.30E-07	3.93E-07	2.27E-07	2.45E-07	2.22E-07	1.01E-07	1.60E-07	4.34E-09	1.05E-07	2.31E-08	3.33E-08	5.28E-08	9.30E-09	1.06E-08	2.38E-07
5098	472863.09	3864377.25	3.86E-04	4.16E-04	6.57E-04	1.34E-07	4.03E-07	2.33E-07	2.52E-07	2.28E-07	1.04E-07	1.64E-07	4.46E-09	1.08E-07	2.38E-08	3.42E-08	5.42E-08	9.55E-09	1.08E-08	2.45E-07
5099	473363.09	3864377.25	3.96E-04	4.27E-04	6.74E-04	1.37E-07	4.14E-07	2.40E-07	2.58E-07	2.34E-07	1.07E-07	1.69E-07	4.58E-09	1.11E-07	2.44E-08	3.51E-08	5.56E-08	9.81E-09	1.11E-08	2.51E-07
5100	473863.09	3864377.25	4.07E-04	4.39E-04	6.92E-04	1.41E-07	4.25E-07	2.46E-07	2.65E-07	2.41E-07	1.10E-07	1.73E-07	4.70E-09	1.14E-07	2.51E-08	3.60E-08	5.72E-08	1.01E-08	1.14E-08	2.58E-07
5101	474363.09	3864377.25	4.19E-04	4.52E-04	7.13E-04	1.45E-07	4.38E-07	2.54E-07	2.74E-07	2.48E-07	1.13E-07	1.78E-07	4.85E-09	1.17E-07	2.58E-08	3.71E-08	5.89E-08	1.04E-08	1.18E-08	2.66E-07
5102	474863.09	3864377.25	4.32E-04	4.65E-04	7.33E-04	1.49E-07	4.51E-07	2.61E-07	2.82E-07	2.55E-07	1.16E-07	1.83E-07	4.99E-09	1.20E-07	2.66E-08	3.82E-08	6.06E-08	1.07E-08	1.21E-08	2.74E-07
5103	475363.09	3864377.25	4.46E-04	4.80E-04	7.56E-04	1.54E-07	4.66E-07	2.70E-07	2.91E-07	2.63E-07	1.20E-07	1.89E-07	5.15E-09	1.24E-07	2.75E-08	3.95E-08	6.26E-08	1.10E-08	1.25E-08	2.83E-07
5104	475863.09	3864377.25	4.59E-04	4.95E-04	7.79E-04	1.59E-07	4.80E-07	2.78E-07	3.00E-07	2.72E-07	1.24E-07	1.95E-07	5.31E-09	1.28E-07	2.83E-08	4.07E-08	6.45E-08	1.14E-08	1.29E-08	2.91E-07
5105	476363.09	3864377.25	4.75E-04	5.12E-04	8.05E-04	1.64E-07	4.97E-07	2.87E-07	3.10E-07	2.81E-07	1.28E-07	2.01E-07	5.49E-09	1.33E-07	2.93E-08	4.21E-08	6.67E-08	1.18E-08	1.33E-08	3.01E-07
5106	476863.09	3864377.25	4.93E-04	5.31E-04	8.35E-04	1.71E-07	5.15E-07	2.98E-07	3.22E-07	2.91E-07	1.33E-07	2.09E-07	5.70E-09	1.38E-07	3.04E-08	4.37E-08	6.92E-08	1.22E-08	1.38E-08	3.13E-07
5107	477363.09	3864377.25	5.12E-04	5.52E-04	8.68E-04	1.77E-07	5.35E-07	3.10E-07	3.34E-07	3.03E-07	1.38E-07	2.17E-07	5.92E-09	1.43E-07	3.16E-08	4.54E-08	7.19E-08	1.27E-08	1.43E-08	3.25E-07
5108	477863.09	3864377.25	5.34E-04	5.75E-04	9.04E-04	1.85E-07	5.58E-07	3.23E-07	3.48E-07	3.16E-07	1.44E-07	2.26E-07	6.17E-09	1.49E-07	3.29E-08	4.73E-08	7.50E-08	1.32E-08	1.49E-08	3.39E-07
5109	478363.09	3864377.25	5.56E-04	6.00E-04	9.43E-04	1.93E-07	5.82E-07	3.37E-07	3.63E-07	3.29E-07	1.50E-07	2.36E-07	6.43E-09	1.55E-07	3.43E-08	4.93E-08	7.82E-08	1.38E-08	1.56E-08	3.53E-07
5110	478863.09	3864377.25	5.78E-04	6.23E-04	9.79E-04	2.00E-07	6.04E-07	3.50E-07	3.77E-07	3.42E-07	1.56E-07	2.45E-07	6.68E-09	1.61E-07	3.56E-08	5.12E-08	8.12E-08	1.43E-08	1.62E-08	3.66E-07
5111	479363.09	3864377.25	5.96E-04	6.42E-04	1.01E-03	2.06E-07	6.23E-07	3.61E-07	3.89E-07	3.52E-07	1.61E-07	2.52E-07	6.89E-09	1.66E-07	3.67E-08	5.28E-08	8.37E-08	1.48E-08	1.67E-08	3.78E-07
5112	479863.09	3864377.25	6.16E-04	6.64E-04	1.04E-03	2.13E-07	6.44E-07	3.73E-07	4.02E-07	3.64E-07	1.66E-07	2.61E-07	7.12E-09	1.72E-07	3.80E-08	5.46E-08	8.66E-08	1.53E-08	1.72E-08	3.91E-07
5113	480363.09	3864377.25	6.39E-04	6.89E-04	1.08E-03	2.21E-07	6.68E-07	3.87E-07	4.17E-07	3.78E-07	1.72E-07	2.71E-07	7.39E-09	1.79E-07	3.94E-08	5.66E-08	8.98E-08	1.58E-08	1.79E-08	4.05E-07
5114	480863.09	3864377.25	6.58E-04	7.10E-04	1.11E-03	2.28E-07	6.88E-07	3.98E-07	4.29E-07	3.89E-07	1.78E-07	2.79E-07	7.61E-09	1.84E-07	4.06E-08	5.83E-08	9.25E-08	1.63E-08	1.84E-08	4.17E-07
5115	481363.09	3864377.25	6.78E-04	7.30E-04	1.15E-03	2.35E-07	7.08E-07	4.10E-07	4.42E-07	4.00E-07	1.83E-07	2.87E-07	7.83E-09	1.89E-07	4.17E-08	6.00E-08	9.52E-08	1.68E-08	1.89E-08	4.30E-07
5116	481863.09	3864377.25	6.96E-04	7.50E-04	1.18E-03	2.41E-07	7.28E-07	4.21E-07	4.54E-07	4.12E-07	1.88E-07	2.95E-07	8.05E-09	1.94E-07	4.29E-08	6.16E-08	9.78E-08	1.72E-08	1.94E-08	4.41E-07
5117	482363.09	3864377.25	7.13E-04	7.68E-04	1.20E-03	2.47E-07	7.45E-07	4.31E-07	4.65E-07	4.21E-07	1.92E-07	3.02E-07	8.24E-09	1.99E-07	4.39E-08	6.31E-08	1.00E-07	1.76E-08	1.99E-08	4.52E-07
5118	482863.09	3864377.25	7.24E-04	7.80E-04	1.22E-03	2.51E-07	7.56E-07	4.38E-07	4.72E-07	4.28E-07	1.95E-07	3.06E-07	8.37E-09	2.02E-07	4.46E-08	6.41E-08	1.02E-07	1.79E-08	2.02E-08	4.59E-07
5119	483363.09	3864377.25	7.27E-04	7.83E-04	1.23E-03	2.52E-07	7.60E-07	4.40E-07	4.74E-07	4.30E-07	1.96E-07	3.07E-07	8.40E-09	2.03E-07	4.48E-08	6.43E-08	1.02E-07	1.80E-08	2.03E-08	4.61E-07
5120	483863.09	3864377.25	7.25E-04	7.81E-04	1.22E-03	2.51E-07	7.58E-07	4.39E-07	4.72E-07	4.28E-07	1.95E-07	3.06E-07	8.38E-09	2.02E-07	4.47E-08	6.42E-08	1.02E-07	1.79E-08	2.02E-08	4.59E-07
5121	484363.09	3864377.25	7.20E-04	7.76E-04	1.21E-03	2.49E-07	7.53E-07	4.36E-07	4.69E-07	4.25E-07	1.94E-07	3.03E-07	8.32E-09	2.01E-07	4.44E-08	6.37E-08	1.01E-07	1.78E-08	2.00E-08	4.56E-07
5122	484863.09	3864377.25	7.12E-04	7.67E-04	1.20E-03	2.47E-07	7.44E-07	4.31E-07	4.64E-07	4.21E-07	1.92E-07	2.99E-07	8.23E-09	1.99E-07	4.39E-08	6.30E-08	9.99E-08	1.76E-08	1.98E-08	4.51E-07
5123	485363.09	3864377.25	7.06E-04	7.61E-04	1.19E-03	2.45E-07	7.38E-07	4.27E-07	4.60E-07	4.17E-07	1.90E-07	2.97E-07	8.17E-09	1.97E-07	4.35E-08	6.25E-08	9.91E-08	1.75E-08	1.96E-08	4.48E-07
5124	485863.09	3864377.25	7.05E-04	7.59E-04	1.18E-03	2.44E-07	7.37E-07	4.26E-07	4.59E-07	4.16E-07	1.90E-07	2.96E-07	8.15E-09	1.97E-07	4.34E-08	6.23E-08	9.89E-08	1.74E-08	1.95E-08	4.47E-07
5125	486363.09	3864377.25	7.02E-04	7.56E-04	1.18E-03	2.43E-07	7.34E-07	4.25E-07	4.57E-07	4.14E-07	1.89E-07	2.95E-07	8.11E-09	1.96E-07	4.32E-08	6.21E-08	9.85E-08	1.74E-08	1.94E-08	4.45E-07
5126	486863.09	3864377.25	6.94E-04	7.48E-04	1.16E-03	2.40E-07	7.26E-07	4.20E-07	4.52E-07	4.10E-07	1.87E-07	2.92E-07	8.03E-09	1.94E-07	4.28E-08	6.14E-08	9.74E-08	1.72E-08	1.92E-08	4.40E-07

5127	487363.09	3864377.25	6.89E-04	7.42E-04	1.16E-03	2.39E-07	7.20E-07	4.17E-07	4.49E-07	4.07E-07	1.86E-07	2.89E-07	7.97E-09	1.92E-07	4.25E-08	6.10E-08	9.67E-08	1.70E-08	1.91E-08	4.37E-07
5128	487863.09	3864377.25	6.85E-04	7.38E-04	1.15E-03	2.37E-07	7.16E-07	4.15E-07	4.46E-07	4.05E-07	1.85E-07	2.88E-07	7.92E-09	1.91E-07	4.22E-08	6.06E-08	9.61E-08	1.69E-08	1.90E-08	4.34E-07
5129	488363.09	3864377.25	6.84E-04	7.36E-04	1.15E-03	2.37E-07	7.15E-07	4.14E-07	4.45E-07	4.04E-07	1.84E-07	2.88E-07	7.90E-09	1.91E-07	4.21E-08	6.05E-08	9.60E-08	1.69E-08	1.90E-08	4.33E-07
5130	488863.09	3864377.25	6.89E-04	7.42E-04	1.16E-03	2.38E-07	7.20E-07	4.17E-07	4.49E-07	4.07E-07	1.86E-07	2.91E-07	7.96E-09	1.92E-07	4.24E-08	6.10E-08	9.67E-08	1.70E-08	1.92E-08	4.37E-07
5131	489363.09	3864377.25	6.92E-04	7.45E-04	1.17E-03	2.39E-07	7.23E-07	4.18E-07	4.51E-07	4.09E-07	1.87E-07	2.93E-07	7.99E-09	1.93E-07	4.26E-08	6.12E-08	9.71E-08	1.71E-08	1.93E-08	4.39E-07
5132	489863.09	3864377.25	6.93E-04	7.47E-04	1.17E-03	2.40E-07	7.24E-07	4.19E-07	4.52E-07	4.10E-07	1.87E-07	2.94E-07	8.01E-09	1.93E-07	4.27E-08	6.13E-08	9.73E-08	1.71E-08	1.94E-08	4.39E-07
5133	490363.09	3864377.25	6.97E-04	7.52E-04	1.18E-03	2.41E-07	7.29E-07	4.22E-07	4.55E-07	4.12E-07	1.88E-07	2.96E-07	8.06E-09	1.95E-07	4.30E-08	6.18E-08	9.80E-08	1.73E-08	1.95E-08	4.42E-07
5134	490863.09	3864377.25	7.09E-04	7.65E-04	1.20E-03	2.46E-07	7.41E-07	4.29E-07	4.63E-07	4.19E-07	1.91E-07	3.01E-07	8.20E-09	1.98E-07	4.37E-08	6.28E-08	9.97E-08	1.76E-08	1.99E-08	4.50E-07
5135	491363.09	3864377.25	7.39E-04	7.97E-04	1.26E-03	2.56E-07	7.72E-07	4.47E-07	4.82E-07	4.37E-07	1.99E-07	3.15E-07	8.54E-09	2.06E-07	4.55E-08	6.55E-08	1.04E-07	1.83E-08	2.08E-08	4.69E-07
5136	491863.09	3864377.25	4.54E-04	4.90E-04	7.75E-04	1.57E-07	4.74E-07	2.75E-07	2.96E-07	2.69E-07	1.23E-07	1.94E-07	5.24E-09	1.27E-07	2.80E-08	4.02E-08	6.38E-08	1.12E-08	1.28E-08	2.88E-07
5137	492363.09	3864377.25	6.92E-04	7.47E-04	1.18E-03	2.40E-07	7.23E-07	4.19E-07	4.52E-07	4.10E-07	1.87E-07	2.96E-07	8.00E-09	1.93E-07	4.26E-08	6.14E-08	9.73E-08	1.72E-08	1.95E-08	4.39E-07
5138	492863.09	3864377.25	5.25E-04	5.67E-04	9.00E-04	1.82E-07	5.49E-07	3.18E-07	3.43E-07	3.11E-07	1.42E-07	2.25E-07	6.07E-09	1.47E-07	3.23E-08	4.65E-08	7.38E-08	1.30E-08	1.48E-08	3.33E-07
5139	493363.09	3864377.25	6.90E-04	7.44E-04	1.18E-03	2.39E-07	7.21E-07	4.17E-07	4.50E-07	4.08E-07	1.86E-07	2.95E-07	7.97E-09	1.93E-07	4.25E-08	6.12E-08	9.70E-08	1.71E-08	1.95E-08	4.38E-07
5140	493863.09	3864377.25	7.75E-04	8.37E-04	1.33E-03	2.68E-07	8.11E-07	4.69E-07	5.06E-07	4.59E-07	2.09E-07	3.32E-07	8.96E-09	2.17E-07	4.78E-08	6.88E-08	1.09E-07	1.92E-08	2.19E-08	4.92E-07
5141	494363.09	3864377.25	7.85E-04	8.47E-04	1.34E-03	2.72E-07	8.20E-07	4.75E-07	5.12E-07	4.65E-07	2.12E-07	3.36E-07	9.07E-09	2.19E-07	4.83E-08	6.96E-08	1.10E-07	1.95E-08	2.22E-08	4.98E-07
5142	494863.09	3864377.25	7.51E-04	8.10E-04	1.29E-03	2.60E-07	7.85E-07	4.54E-07	4.90E-07	4.44E-07	2.03E-07	3.22E-07	8.68E-09	2.10E-07	4.63E-08	6.66E-08	1.06E-07	1.86E-08	2.12E-08	4.77E-07
5143	495363.09	3864377.25	7.17E-04	7.74E-04	1.23E-03	2.48E-07	7.49E-07	4.34E-07	4.68E-07	4.24E-07	1.94E-07	3.07E-07	8.28E-09	2.00E-07	4.42E-08	6.35E-08	1.01E-07	1.78E-08	2.03E-08	4.55E-07
5144	495863.09	3864377.25	6.94E-04	7.49E-04	1.19E-03	2.40E-07	7.25E-07	4.20E-07	4.53E-07	4.11E-07	1.87E-07	2.97E-07	8.02E-09	1.94E-07	4.27E-08	6.15E-08	9.76E-08	1.72E-08	1.96E-08	4.40E-07
5145	496363.09	3864377.25	6.83E-04	7.37E-04	1.17E-03	2.36E-07	7.14E-07	4.13E-07	4.46E-07	4.04E-07	1.84E-07	2.93E-07	7.89E-09	1.91E-07	4.21E-08	6.06E-08	9.61E-08	1.69E-08	1.93E-08	4.34E-07
5146	496863.09	3864377.25	6.79E-04	7.33E-04	1.16E-03	2.35E-07	7.10E-07	4.11E-07	4.43E-07	4.02E-07	1.83E-07	2.91E-07	7.85E-09	1.90E-07	4.18E-08	6.02E-08	9.55E-08	1.68E-08	1.92E-08	4.31E-07
5147	497363.09	3864377.25	6.76E-04	7.30E-04	1.16E-03	2.34E-07	7.07E-07	4.09E-07	4.42E-07	4.00E-07	1.83E-07	2.90E-07	7.81E-09	1.89E-07	4.16E-08	6.00E-08	9.51E-08	1.68E-08	1.92E-08	4.29E-07
5148	497863.09	3864377.25	6.86E-04	7.40E-04	1.18E-03	2.37E-07	7.17E-07	4.15E-07	4.48E-07	4.06E-07	1.85E-07	2.95E-07	7.92E-09	1.91E-07	4.22E-08	6.08E-08	9.65E-08	1.70E-08	1.94E-08	4.35E-07
5149	498363.09	3864377.25	6.89E-04	7.44E-04	1.18E-03	2.38E-07	7.20E-07	4.17E-07	4.50E-07	4.08E-07	1.86E-07	2.96E-07	7.96E-09	1.92E-07	4.24E-08	6.11E-08	9.69E-08	1.71E-08	1.95E-08	4.37E-07
5150	471363.09	3864877.25	3.39E-04	3.65E-04	5.77E-04	1.17E-07	3.54E-07	2.05E-07	2.21E-07	2.00E-07	9.14E-08	1.44E-07	3.92E-09	9.46E-08	2.09E-08	3.00E-08	4.76E-08	8.39E-09	9.53E-09	2.15E-07
5151	471863.09	3864877.25	3.47E-04	3.75E-04	5.91E-04	1.20E-07	3.63E-07	2.10E-07	2.27E-07	2.05E-07	9.37E-08	1.48E-07	4.01E-09	9.70E-08	2.14E-08	3.08E-08	4.88E-08	8.60E-09	9.76E-09	2.20E-07
5152	472363.09	3864877.25	3.55E-04	3.83E-04	6.05E-04	1.23E-07	3.72E-07	2.15E-07	2.32E-07	2.10E-07	9.59E-08	1.51E-07	4.11E-09	9.93E-08	2.19E-08	3.15E-08	5.00E-08	8.80E-09	9.99E-09	2.26E-07
5153	472863.09	3864877.25	3.64E-04	3.92E-04	6.19E-04	1.26E-07	3.80E-07	2.20E-07	2.37E-07	2.15E-07	9.82E-08	1.55E-07	4.21E-09	1.02E-07	2.24E-08	3.22E-08	5.11E-08	9.01E-09	1.02E-08	2.31E-07
5154	473363.09	3864877.25	3.73E-04	4.02E-04	6.33E-04	1.29E-07	3.89E-07	2.25E-07	2.43E-07	2.20E-07	1.01E-07	1.58E-07	4.31E-09	1.04E-07	2.30E-08	3.30E-08	5.24E-08	9.23E-09	1.05E-08	2.36E-07
5155	473863.09	3864877.25	3.82E-04	4.12E-04	6.49E-04	1.32E-07	3.99E-07	2.31E-07	2.49E-07	2.26E-07	1.03E-07	1.62E-07	4.41E-09	1.07E-07	2.35E-08	3.38E-08	5.37E-08	9.46E-09	1.07E-08	2.42E-07
5156	474363.09	3864877.25	3.93E-04	4.23E-04	6.67E-04	1.36E-07	4.10E-07	2.38E-07	2.56E-07	2.32E-07	1.06E-07	1.67E-07	4.54E-09	1.10E-07	2.42E-08	3.48E-08	5.52E-08	9.72E-09	1.10E-08	2.49E-07
5157	474863.09	3864877.25	4.04E-04	4.35E-04	6.85E-04	1.40E-07	4.22E-07	2.44E-07	2.63E-07	2.39E-07	1.09E-07	1.71E-07	4.67E-09	1.13E-07	2.49E-08	3.58E-08	5.67E-08	1.00E-08	1.13E-08	2.56E-07
5158	475363.09	3864877.25	4.16E-04	4.48E-04	7.05E-04	1.44E-07	4.35E-07	2.52E-07	2.71E-07	2.46E-07	1.12E-07	1.76E-07	4.81E-09	1.16E-07	2.56E-08	3.68E-08	5.84E-08	1.03E-08	1.16E-08	2.64E-07
5159	475863.09	3864877.25	4.29E-04	4.62E-04	7.26E-04	1.48E-07	4.48E-07	2.59E-07	2.80E-07	2.54E-07	1.16E-07	1.82E-07	4.96E-09	1.20E-07	2.64E-08	3.80E-08	6.02E-08	1.06E-08	1.20E-08	2.72E-07
5160	476363.09	3864877.25	4.44E-04	4.79E-04	7.52E-04	1.54E-07	4.64E-07	2.69E-07	2.90E-07	2.63E-07	1.20E-07	1.88E-07	5.14E-09	1.24E-07	2.74E-08	3.93E-08	6.24E-08	1.10E-08	1.24E-08	2.82E-07
5161	476863.09	3864877.25	4.63E-04	4.99E-04	7.84E-04	1.60E-07	4.84E-07	2.80E-07	3.02E-07	2.74E-07	1.25E-07	1.96E-07	5.35E-09	1.29E-07	2.85E-08	4.10E-08	6.50E-08	1.15E-08	1.29E-08	2.94E-07
5162	477363.09	3864877.25	4.81E-04	5.19E-04	8.15E-04	1.67E-07	5.03E-07	2.91E-07	3.14E-07	2.85E-07	1.30E-07	2.04E-07	5.56E-09	1.34E-07	2.97E-08	4.26E-08	6.76E-08	1.19E-08	1.35E-08	3.05E-07
5163	477863.09	3864877.25	5.01E-04	5.40E-04	8.49E-04	1.74E-07	5.24E-07	3.03E-07	3.27E-07	2.96E-07	1.35E-07	2.12E-07	5.79E-09	1.40E-07	3.09E-08	4.44E-08	7.04E-08	1.24E-08	1.40E-08	3.18E-07
5164	478363.09	3864877.25	5.20E-04	5.60E-04	8.80E-04	1.80E-07	5.43E-07	3.14E-07	3.39E-07	3.07E-07	1.40E-07	2.20E-07	6.01E-09	1.45E-07	3.20E-08	4.60E-08	7.30E-08	1.29E-08	1.45E-08	3.30E-07
5165	478863.09	3864877.25	5.36E-04	5.78E-04	9.08E-04	1.86E-07	5.61E-07	3.25E-07	3.50E-07	3.17E-07	1.45E-07	2.27E-07	6.20E-09	1.50E-07	3.30E-08	4.75E-08	7.53E-08	1.33E-08	1.50E-08	3.40E-07
5166	479363.09	3864877.25	5.53E-04	5.96E-04	9.35E-04	1.91E-07	5.78E-07	3.34E-07	3.60E-07	3.27E-07	1.49E-07	2.34E-07	6.39E-09	1.54E-07	3.40E-08	4.89E-08	7.76E-08	1.37E-08	1.54E-08	3.50E-07
5167	479863.09	3864877.25	5.69E-04	6.14E-04	9.64E-04	1.97E-07	5.95E-07	3.45E-07	3.71E-07	3.37E-07	1.54E-07	2.41E-07	6.58E-09	1.59E-07	3.51E-08	5.04E-08	8.00E-08	1.41E-08	1.59E-08	3.61E-07
5168	480363.09	3864877.25	5.90E-04	6.36E-04	9.98E-04	2.04E-07	6.16E-07	3.57E-07	3.85E-07	3.49E-07	1.59E-07	2.50E-07	6.82E-09	1.65E-07	3.63E-08	5.22E-08	8.28E-08	1.46E-08	1.65E-08	3.74E-07
5169	480863.09	3864877.25	6.06E-04	6.53E-04	1.03E-03	2.10E-07	6.33E-07	3.67E-07	3.95E-07	3.58E-07	1.63E-07	2.57E-07	7.01E-09	1.69E-07	3.73E-08	5.37E-08	8.51E-08	1.50E-08	1.69E-08	3.84E-07
5170	481363.09	3864877.25	6.22E-04	6.70E-04	1.05E-03	2.15E-07	6.50E-07	3.76E-07	4.05E-07	3.67E-07	1.68E-07	2.63E-07	7.18E-09	1.74E-07	3.83E-08	5.50E-08	8.73E-08	1.54E-08	1.74E-08	3.94E-07
5171	481863.09	3864877.25	6.35E-04	6.84E-04	1.07E-03	2.20E-07	6.64E-07	3.84E-07	4.14E-07	3.75E-07	1.71E-07	2.69E-07	7.34E-09	1.77E-07	3.91E-08	5.62E-08	8.92E-08	1.57E-08	1.77E-08	4.03E-07
5172	482363.09	3864877.25	6.47E-04	6.97E-04	1.09E-03	2.24E-07	6.76E-07	3.91E-07	4.22E-07	3.82E-07	1.74E-07	2.74E-07	7.48E-09	1.81E-07	3.99E-08	5.73E-08	9.08E-08	1.60E-08	1.80E-08	4.10E-07
5173	482863.09	3864877.25	6.55E-04	7.06E-04	1.11E-03	2.27E-07	6.84E-07	3.96E-07	4.27E-07	3.87E-07	1.77E-07	2.77E-07	7.57E-09	1.83E-07	4.03E-08	5.80E-08	9.20E-08	1.62E-08	1.83E-08	4.15E-07
5174	483363.09	3864877.25	6.57E-04	7.08E-04	1.11E-03	2.27E-07	6.87E-07	3.98E-07	4.28E-07	3.88E-07	1.77E-07	2.77E-07	7.59E-09	1.83E-07	4.05E-08	5.81E-08	9.22E-08	1.63E-08	1.83E-08	4.16E-07
5175	483863.09	3864877.25	6.52E-04	7.03E-04	1.10E-03	2.26E-07	6.82E-07	3.95E-07	4.25E-07	3.85E-07	1.76E-07	2.75E-07	7.54E-09	1.82E-07	4.02E-08	5.77E-08	9.16E-08	1.61E-08	1.81E-08	4.13E-07
5176	484363.09	3864877.25	6.47E-04	6.97E-04	1.09E-03	2.24E-07	6.76E-07	3.92E-07	4.22E-07	3.82E-07	1.74E-07	2.72E-07	7.48E-09	1.81E-07	3.99E-08	5.72E-08	9.08E-08	1.60E-08	1.80E-08	4.10E-07
5177	484863.09	3864877.25	6.40E-04	6.90E-04	1.08E-03	2.22E-07	6.69E-07	3.87E-07	4.17E-07	3.78E-07	1.73E-07	2.69E-07	7.40E-09	1.79E-07	3.95E-08	5.66E-08	8.99E-08	1.58E-08	1.77E-08	4.06E-07
5178	485363.09	3864877.25	6.37E-04	6.86E-04	1.07E-03	2.20E-07	6.66E-07	3.85E-07	4.15E-07	3.76E-07	1.72E-07	2.67E-07	7.36E-09	1.78E-07	3.92E-08	5.63E-08	8.94E-08	1.57E-08	1.76E-08	4.03E-07
5179	485863.09	3864877.25	6.34E-04	6.82E-04	1.06E-03	2.19E-07	6.63E-07	3.84E-07	4.13E-07	3.74E-07	1.71E-07	2.66E-07	7.33E-09	1.77E-07	3.91E-08	5.61E-08	8.89E-08	1.57E-08	1.76E-08	4.02E-07
5180	486363.09	3864877.25	6.30E-04	6.79E-04	1.06E-03	2.18E-07	6.59E-07	3.81E-07	4.11E-07	3.72E-07	1.70E-07	2.65E-07	7.29E-09	1.76E-07	3.88E-08	5.57E-08	8.84E-08	1.56E-08	1.75E-08	3.99E-07
5181	486863.09	3864877.25	6.25E-04	6.73E-04	1.05E-03	2.16E-07	6.53E-07	3.78E-07	4.07E-07	3.69E-07	1.68E-07	2.62E-07	7.22E-09	1.74E-07	3.85E-08	5.53E-08	8.77E-08	1.55E-08	1.73E-08	3.96E-07
5182	487363.09	3864877.25	6.21E-04	6.68E-04	1.04E-03	2.15E-07	6.49E-07	3.76E-07	4.04E-07	3.67E-07	1.67E-07	2.61E-07	7.18E-09	1.73E-07	3.82E-08	5.49E-08	8.71E-08	1.53E-08	1.72E-08	3.93E-07
5183	487863.09	3864877.25	6.18E-04	6.65E-04	1.04E-03	2.14E-07	6.46E-07	3.74E-07	4.03E-07	3.65E-07	1.67E-07	2.60E-07	7.14E-09	1.73E-07	3.81E-08	5.47E-08	8.67E-08	1.53E-08	1.71E-08	3.92E-07
5184	488363.09	3864877.25	6.18E-04	6.65E-04	1.04E-03	2.14E-07	6.46E-07	3.74E-07	4.02E-07	3.65E-07	1.66E-07	2.60E-07	7.14E-09	1.72E-07	3.81E-08	5.46E-08	8.67E-08	1.53E-08	1.71E-08	3.91E-07
5185	488863.09	3864877.25	6.21E-04	6.69E-04	1.05E-03	2.15E-07	6.49E-07	3.76E-07	4.05E-07	3.67E-07	1.67E-07	2.62E-07	7.18E-09	1.73E-07	3.82E-08	5.49E-08	8.71E-08	1.54E-08	1.73E-08	3.93E-07

5186	489363.09	3864877.25	6.23E-04	6.72E-04	1.05E-03	2.16E-07	6.51E-07	3.77E-07	4.06E-07	3.68E-07	1.68E-07	2.64E-07	7.21E-09	1.74E-07	3.84E-08	5.52E-08	8.75E-08	1.54E-08	1.74E-08	3.95E-07
5187	489863.09	3864877.25	6.24E-04	6.73E-04	1.06E-03	2.16E-07	6.52E-07	3.78E-07	4.07E-07	3.69E-07	1.68E-07	2.64E-07	7.22E-09	1.74E-07	3.85E-08	5.53E-08	8.77E-08	1.55E-08	1.74E-08	3.96E-07
5188	490363.09	3864877.25	6.28E-04	6.77E-04	1.06E-03	2.17E-07	6.56E-07	3.80E-07	4.09E-07	3.71E-07	1.69E-07	2.66E-07	7.26E-09	1.75E-07	3.87E-08	5.56E-08	8.82E-08	1.55E-08	1.75E-08	3.98E-07
5189	490863.09	3864877.25	6.47E-04	6.98E-04	1.10E-03	2.24E-07	6.76E-07	3.92E-07	4.22E-07	3.83E-07	1.75E-07	2.75E-07	7.48E-09	1.81E-07	3.99E-08	5.73E-08	9.09E-08	1.60E-08	1.81E-08	4.10E-07
5190	491363.09	3864877.25	6.62E-04	7.14E-04	1.12E-03	2.29E-07	6.92E-07	4.00E-07	4.32E-07	3.91E-07	1.79E-07	2.82E-07	7.65E-09	1.85E-07	4.08E-08	5.86E-08	9.30E-08	1.64E-08	1.86E-08	4.20E-07
5191	491863.09	3864877.25	6.59E-04	7.11E-04	1.12E-03	2.28E-07	6.89E-07	3.99E-07	4.30E-07	3.90E-07	1.78E-07	2.81E-07	7.62E-09	1.84E-07	4.06E-08	5.84E-08	9.26E-08	1.63E-08	1.85E-08	4.18E-07
5192	492363.09	3864877.25	2.70E-04	2.91E-04	4.58E-04	9.34E-08	2.82E-07	1.63E-07	1.76E-07	1.59E-07	7.28E-08	1.15E-07	3.12E-09	7.53E-08	1.66E-08	2.39E-08	3.79E-08	6.68E-09	7.56E-09	1.71E-07
5193	492863.09	3864877.25	3.62E-04	3.91E-04	6.18E-04	1.25E-07	3.79E-07	2.19E-07	2.36E-07	2.14E-07	9.78E-08	1.55E-07	4.19E-09	1.01E-07	2.23E-08	3.21E-08	5.09E-08	8.98E-09	1.02E-08	2.30E-07
5194	493363.09	3864877.25	3.47E-04	3.74E-04	5.91E-04	1.20E-07	3.62E-07	2.10E-07	2.26E-07	2.05E-07	9.36E-08	1.48E-07	4.01E-09	9.68E-08	2.13E-08	3.07E-08	4.87E-08	8.59E-09	9.76E-09	2.20E-07
5195	493863.09	3864877.25	6.36E-04	6.86E-04	1.09E-03	2.20E-07	6.64E-07	3.85E-07	4.15E-07	3.76E-07	1.72E-07	2.72E-07	7.35E-09	1.77E-07	3.92E-08	5.64E-08	8.94E-08	1.58E-08	1.79E-08	4.03E-07
5196	494363.09	3864877.25	7.04E-04	7.60E-04	1.20E-03	2.44E-07	7.36E-07	4.26E-07	4.60E-07	4.17E-07	1.90E-07	3.01E-07	8.14E-09	1.97E-07	4.34E-08	6.24E-08	9.90E-08	1.74E-08	1.99E-08	4.47E-07
5197	494863.09	3864877.25	7.10E-04	7.66E-04	1.22E-03	2.46E-07	7.42E-07	4.30E-07	4.64E-07	4.20E-07	1.92E-07	3.04E-07	8.21E-09	1.98E-07	4.37E-08	6.29E-08	9.99E-08	1.76E-08	2.01E-08	4.51E-07
5198	495363.09	3864877.25	6.82E-04	7.36E-04	1.17E-03	2.36E-07	7.13E-07	4.13E-07	4.45E-07	4.04E-07	1.84E-07	2.92E-07	7.88E-09	1.90E-07	4.20E-08	6.05E-08	9.59E-08	1.69E-08	1.93E-08	4.33E-07
5199	495863.09	3864877.25	6.50E-04	7.02E-04	1.11E-03	2.25E-07	6.80E-07	3.94E-07	4.25E-07	3.85E-07	1.76E-07	2.79E-07	7.52E-09	1.82E-07	4.01E-08	5.77E-08	9.15E-08	1.61E-08	1.84E-08	4.13E-07
5200	496363.09	3864877.25	6.29E-04	6.79E-04	1.08E-03	2.18E-07	6.57E-07	3.80E-07	4.11E-07	3.72E-07	1.70E-07	2.70E-07	7.27E-09	1.76E-07	3.87E-08	5.57E-08	8.84E-08	1.56E-08	1.78E-08	3.99E-07
5201	496863.09	3864877.25	6.18E-04	6.67E-04	1.06E-03	2.14E-07	6.46E-07	3.74E-07	4.03E-07	3.66E-07	1.67E-07	2.65E-07	7.14E-09	1.72E-07	3.81E-08	5.48E-08	8.69E-08	1.53E-08	1.75E-08	3.92E-07
5202	497363.09	3864877.25	6.13E-04	6.61E-04	1.05E-03	2.12E-07	6.40E-07	3.71E-07	4.00E-07	3.63E-07	1.65E-07	2.63E-07	7.08E-09	1.71E-07	3.77E-08	5.43E-08	8.62E-08	1.52E-08	1.73E-08	3.89E-07
5203	497863.09	3864877.25	6.12E-04	6.61E-04	1.05E-03	2.12E-07	6.39E-07	3.70E-07	4.00E-07	3.62E-07	1.65E-07	2.63E-07	7.07E-09	1.71E-07	3.77E-08	5.43E-08	8.61E-08	1.52E-08	1.73E-08	3.88E-07
5204	498363.09	3864877.25	6.11E-04	6.60E-04	1.05E-03	2.12E-07	6.39E-07	3.70E-07	3.99E-07	3.62E-07	1.65E-07	2.63E-07	7.07E-09	1.71E-07	3.77E-08	5.42E-08	8.60E-08	1.52E-08	1.73E-08	3.88E-07
5205	471363.09	3865377.25	3.21E-04	3.47E-04	5.47E-04	1.11E-07	3.36E-07	1.94E-07	2.10E-07	1.90E-07	8.67E-08	1.37E-07	3.71E-09	8.97E-08	1.98E-08	2.85E-08	4.52E-08	7.96E-09	9.03E-09	2.04E-07
5206	471863.09	3865377.25	3.28E-04	3.54E-04	5.58E-04	1.14E-07	3.43E-07	1.99E-07	2.14E-07	1.94E-07	8.86E-08	1.40E-07	3.80E-09	9.17E-08	2.02E-08	2.91E-08	4.61E-08	8.13E-09	9.22E-09	2.08E-07
5207	472363.09	3865377.25	3.35E-04	3.61E-04	5.69E-04	1.16E-07	3.50E-07	2.03E-07	2.19E-07	1.98E-07	9.04E-08	1.42E-07	3.87E-09	9.35E-08	2.06E-08	2.97E-08	4.71E-08	8.30E-09	9.39E-09	2.12E-07
5208	472863.09	3865377.25	3.43E-04	3.70E-04	5.82E-04	1.19E-07	3.58E-07	2.07E-07	2.24E-07	2.03E-07	9.25E-08	1.46E-07	3.96E-09	9.57E-08	2.11E-08	3.04E-08	4.82E-08	8.49E-09	9.61E-09	2.17E-07
5209	473363.09	3865377.25	3.50E-04	3.77E-04	5.94E-04	1.21E-07	3.66E-07	2.12E-07	2.28E-07	2.07E-07	9.44E-08	1.49E-07	4.05E-09	9.77E-08	2.16E-08	3.10E-08	4.92E-08	8.67E-09	9.80E-09	2.22E-07
5210	473863.09	3865377.25	3.58E-04	3.86E-04	6.08E-04	1.24E-07	3.74E-07	2.17E-07	2.34E-07	2.12E-07	9.66E-08	1.52E-07	4.14E-09	1.00E-07	2.21E-08	3.17E-08	5.03E-08	8.87E-09	1.00E-08	2.27E-07
5211	474363.09	3865377.25	3.68E-04	3.97E-04	6.23E-04	1.27E-07	3.84E-07	2.23E-07	2.40E-07	2.17E-07	9.92E-08	1.56E-07	4.25E-09	1.03E-07	2.27E-08	3.26E-08	5.17E-08	9.11E-09	1.03E-08	2.33E-07
5212	474863.09	3865377.25	3.79E-04	4.08E-04	6.41E-04	1.31E-07	3.96E-07	2.29E-07	2.47E-07	2.24E-07	1.02E-07	1.60E-07	4.38E-09	1.06E-07	2.33E-08	3.35E-08	5.32E-08	9.37E-09	1.06E-08	2.40E-07
5213	475363.09	3865377.25	3.90E-04	4.20E-04	6.59E-04	1.35E-07	4.07E-07	2.36E-07	2.54E-07	2.30E-07	1.05E-07	1.65E-07	4.50E-09	1.09E-07	2.40E-08	3.45E-08	5.47E-08	9.65E-09	1.09E-08	2.47E-07
5214	475863.09	3865377.25	4.04E-04	4.35E-04	6.83E-04	1.40E-07	4.22E-07	2.44E-07	2.63E-07	2.39E-07	1.09E-07	1.71E-07	4.67E-09	1.13E-07	2.49E-08	3.57E-08	5.67E-08	9.99E-09	1.13E-08	2.56E-07
5215	476363.09	3865377.25	4.22E-04	4.55E-04	7.15E-04	1.46E-07	4.41E-07	2.56E-07	2.75E-07	2.50E-07	1.14E-07	1.79E-07	4.88E-09	1.18E-07	2.60E-08	3.74E-08	5.93E-08	1.05E-08	1.18E-08	2.68E-07
5216	476863.09	3865377.25	4.29E-04	4.63E-04	7.28E-04	1.49E-07	4.49E-07	2.60E-07	2.80E-07	2.54E-07	1.16E-07	1.82E-07	4.96E-09	1.20E-07	2.64E-08	3.80E-08	6.03E-08	1.06E-08	1.20E-08	2.72E-07
5217	477363.09	3865377.25	4.58E-04	4.93E-04	7.76E-04	1.58E-07	4.78E-07	2.77E-07	2.99E-07	2.71E-07	1.23E-07	1.94E-07	5.29E-09	1.28E-07	2.82E-08	4.05E-08	6.43E-08	1.13E-08	1.28E-08	2.90E-07
5218	477863.09	3865377.25	4.72E-04	5.08E-04	7.99E-04	1.63E-07	4.93E-07	2.85E-07	3.08E-07	2.79E-07	1.27E-07	2.00E-07	5.45E-09	1.32E-07	2.91E-08	4.18E-08	6.63E-08	1.17E-08	1.32E-08	2.99E-07
5219	478363.09	3865377.25	4.88E-04	5.26E-04	8.26E-04	1.69E-07	5.10E-07	2.95E-07	3.18E-07	2.88E-07	1.32E-07	2.07E-07	5.64E-09	1.36E-07	3.00E-08	4.32E-08	6.85E-08	1.21E-08	1.36E-08	3.09E-07
5220	478863.09	3865377.25	5.00E-04	5.39E-04	8.46E-04	1.73E-07	5.23E-07	3.03E-07	3.26E-07	2.96E-07	1.35E-07	2.12E-07	5.78E-09	1.40E-07	3.08E-08	4.43E-08	7.03E-08	1.24E-08	1.40E-08	3.17E-07
5221	479363.09	3865377.25	5.14E-04	5.54E-04	8.69E-04	1.78E-07	5.37E-07	3.11E-07	3.35E-07	3.04E-07	1.39E-07	2.17E-07	5.94E-09	1.43E-07	3.17E-08	4.55E-08	7.21E-08	1.27E-08	1.43E-08	3.26E-07
5222	479863.09	3865377.25	5.30E-04	5.71E-04	8.97E-04	1.83E-07	5.54E-07	3.21E-07	3.46E-07	3.13E-07	1.43E-07	2.24E-07	6.13E-09	1.48E-07	3.27E-08	4.69E-08	7.44E-08	1.31E-08	1.48E-08	3.36E-07
5223	480363.09	3865377.25	5.45E-04	5.87E-04	9.21E-04	1.89E-07	5.69E-07	3.29E-07	3.55E-07	3.22E-07	1.47E-07	2.31E-07	6.29E-09	1.52E-07	3.36E-08	4.82E-08	7.65E-08	1.35E-08	1.52E-08	3.45E-07
5224	480863.09	3865377.25	5.58E-04	6.02E-04	9.44E-04	1.93E-07	5.84E-07	3.38E-07	3.64E-07	3.30E-07	1.51E-07	2.36E-07	6.45E-09	1.56E-07	3.44E-08	4.94E-08	7.84E-08	1.38E-08	1.56E-08	3.54E-07
5225	481363.09	3865377.25	5.71E-04	6.16E-04	9.66E-04	1.98E-07	5.97E-07	3.46E-07	3.72E-07	3.38E-07	1.54E-07	2.42E-07	6.60E-09	1.59E-07	3.52E-08	5.06E-08	8.02E-08	1.41E-08	1.59E-08	3.62E-07
5226	481863.09	3865377.25	5.81E-04	6.27E-04	9.83E-04	2.01E-07	6.08E-07	3.52E-07	3.79E-07	3.44E-07	1.57E-07	2.46E-07	6.72E-09	1.62E-07	3.58E-08	5.15E-08	8.17E-08	1.44E-08	1.62E-08	3.69E-07
5227	482363.09	3865377.25	5.90E-04	6.35E-04	9.96E-04	2.04E-07	6.16E-07	3.57E-07	3.84E-07	3.49E-07	1.59E-07	2.49E-07	6.82E-09	1.65E-07	3.63E-08	5.22E-08	8.28E-08	1.46E-08	1.64E-08	3.74E-07
5228	482863.09	3865377.25	5.95E-04	6.41E-04	1.00E-03	2.06E-07	6.22E-07	3.60E-07	3.88E-07	3.51E-07	1.60E-07	2.51E-07	6.88E-09	1.66E-07	3.66E-08	5.26E-08	8.35E-08	1.47E-08	1.66E-08	3.77E-07
5229	483363.09	3865377.25	5.96E-04	6.42E-04	1.00E-03	2.06E-07	6.23E-07	3.60E-07	3.88E-07	3.52E-07	1.61E-07	2.51E-07	6.89E-09	1.66E-07	3.67E-08	5.27E-08	8.36E-08	1.47E-08	1.66E-08	3.78E-07
5230	483863.09	3865377.25	5.91E-04	6.37E-04	9.95E-04	2.05E-07	6.18E-07	3.58E-07	3.85E-07	3.49E-07	1.59E-07	2.49E-07	6.84E-09	1.65E-07	3.64E-08	5.23E-08	8.30E-08	1.46E-08	1.64E-08	3.75E-07
5231	484363.09	3865377.25	5.86E-04	6.31E-04	9.85E-04	2.03E-07	6.13E-07	3.55E-07	3.82E-07	3.46E-07	1.58E-07	2.46E-07	6.78E-09	1.64E-07	3.61E-08	5.19E-08	8.23E-08	1.45E-08	1.63E-08	3.71E-07
5232	484863.09	3865377.25	5.81E-04	6.26E-04	9.75E-04	2.01E-07	6.07E-07	3.52E-07	3.78E-07	3.43E-07	1.57E-07	2.44E-07	6.72E-09	1.62E-07	3.58E-08	5.14E-08	8.15E-08	1.44E-08	1.61E-08	3.68E-07
5233	485363.09	3865377.25	5.77E-04	6.21E-04	9.67E-04	2.00E-07	6.03E-07	3.49E-07	3.76E-07	3.41E-07	1.55E-07	2.42E-07	6.67E-09	1.61E-07	3.56E-08	5.10E-08	8.09E-08	1.43E-08	1.60E-08	3.66E-07
5234	485863.09	3865377.25	5.74E-04	6.17E-04	9.62E-04	1.99E-07	6.00E-07	3.47E-07	3.74E-07	3.39E-07	1.55E-07	2.41E-07	6.63E-09	1.60E-07	3.53E-08	5.07E-08	8.05E-08	1.42E-08	1.59E-08	3.63E-07
5235	486363.09	3865377.25	5.71E-04	6.15E-04	9.57E-04	1.98E-07	5.97E-07	3.46E-07	3.72E-07	3.37E-07	1.54E-07	2.40E-07	6.60E-09	1.59E-07	3.52E-08	5.05E-08	8.01E-08	1.41E-08	1.58E-08	3.62E-07
5236	486863.09	3865377.25	5.67E-04	6.10E-04	9.50E-04	1.96E-07	5.92E-07	3.43E-07	3.69E-07	3.35E-07	1.53E-07	2.38E-07	6.55E-09	1.58E-07	3.49E-08	5.01E-08	7.95E-08	1.40E-08	1.57E-08	3.59E-07
5237	487363.09	3865377.25	5.64E-04	6.07E-04	9.45E-04	1.95E-07	5.89E-07	3.41E-07	3.67E-07	3.33E-07	1.52E-07	2.37E-07	6.52E-09	1.57E-07	3.47E-08	4.99E-08	7.91E-08	1.39E-08	1.56E-08	3.57E-07
5238	487863.09	3865377.25	5.62E-04	6.05E-04	9.42E-04	1.94E-07	5.87E-07	3.40E-07	3.66E-07	3.32E-07	1.51E-07	2.36E-07	6.49E-09	1.57E-07	3.46E-08	4.97E-08	7.88E-08	1.39E-08	1.56E-08	3.56E-07
5239	488363.09	3865377.25	5.62E-04	6.06E-04	9.45E-04	1.95E-07	5.88E-07	3.40E-07	3.66E-07	3.32E-07	1.52E-07	2.36E-07	6.50E-09	1.57E-07	3.46E-08	4.97E-08	7.89E-08	1.39E-08	1.56E-08	3.56E-07
5240	488863.09	3865377.25	5.65E-04	6.09E-04	9.51E-04	1.96E-07	5.91E-07	3.42E-07	3.68E-07	3.34E-07	1.52E-07	2.38E-07	6.53E-09	1.58E-07	3.48E-08	5.00E-08	7.93E-08	1.40E-08	1.57E-08	3.58E-07
5241	489363.09	3865377.25	5.67E-04	6.11E-04	9.58E-04	1.96E-07	5.93E-07	3.43E-07	3.70E-07	3.35E-07	1.53E-07	2.40E-07	6.56E-09	1.58E-07	3.50E-08	5.02E-08	7.97E-08	1.40E-08	1.58E-08	3.60E-07
5242	489863.09	3865377.25	5.72E-04	6.16E-04	9.67E-04	1.98E-07	5.98E-07	3.46E-07	3.73E-07	3.38E-07	1.54E-07	2.42E-07	6.61E-09	1.60E-07	3.52E-08	5.06E-08	8.03E-08	1.42E-08	1.60E-08	3.63E-07
5243	490363.09	3865377.25	5.84E-04	6.30E-04	9.91E-04	2.02E-07	6.11E-07	3.53E-07	3.81E-07	3.45E-07	1.58E-07	2.48E-07	6.75E-09	1.63E-07	3.60E-08	5.17E-08	8.21E-08	1.45E-08	1.64E-08	3.71E-07
5244	490863.09	3865377.25	5.81E-04	6.27E-04	9.86E-04	2.01E-07	6.07E-07	3.52E-07	3.79E-07	3.44E-07	1.57E-07	2.47E-07	6.72E-09	1.62E-07	3.58E-08	5.15E-08	8.17E-08	1.44E-08	1.63E-08	3.69E-07

5245	491363.09	3865377.25	5.82E-04	6.27E-04	9.89E-04	2.01E-07	6.08E-07	3.52E-07	3.79E-07	3.44E-07	1.57E-07	2.47E-07	6.72E-09	1.62E-07	3.58E-08	5.15E-08	8.17E-08	1.44E-08	1.63E-08	3.69E-07
5246	491863.09	3865377.25	5.90E-04	6.36E-04	1.00E-03	2.04E-07	6.16E-07	3.57E-07	3.85E-07	3.49E-07	1.59E-07	2.51E-07	6.82E-09	1.65E-07	3.63E-08	5.23E-08	8.29E-08	1.46E-08	1.66E-08	3.74E-07
5247	492363.09	3865377.25	5.32E-04	5.74E-04	9.09E-04	1.84E-07	5.56E-07	3.22E-07	3.47E-07	3.15E-07	1.44E-07	2.27E-07	6.15E-09	1.48E-07	3.28E-08	4.71E-08	7.48E-08	1.32E-08	1.50E-08	3.37E-07
5248	492863.09	3865377.25	4.21E-04	4.55E-04	7.20E-04	1.46E-07	4.40E-07	2.55E-07	2.75E-07	2.49E-07	1.14E-07	1.80E-07	4.87E-09	1.18E-07	2.60E-08	3.73E-08	5.92E-08	1.04E-08	1.19E-08	2.67E-07
5249	493363.09	3865377.25	3.19E-04	3.44E-04	5.45E-04	1.11E-07	3.34E-07	1.93E-07	2.08E-07	1.89E-07	8.62E-08	1.36E-07	3.69E-09	8.92E-08	1.97E-08	2.83E-08	4.49E-08	7.91E-09	8.99E-09	2.03E-07
5250	493863.09	3865377.25	4.69E-04	5.06E-04	8.02E-04	1.62E-07	4.90E-07	2.84E-07	3.06E-07	2.77E-07	1.27E-07	2.01E-07	5.42E-09	1.31E-07	2.89E-08	4.16E-08	6.59E-08	1.16E-08	1.32E-08	2.98E-07
5251	494363.09	3865377.25	5.85E-04	6.32E-04	1.00E-03	2.03E-07	6.12E-07	3.54E-07	3.82E-07	3.47E-07	1.58E-07	2.50E-07	6.77E-09	1.63E-07	3.61E-08	5.19E-08	8.23E-08	1.45E-08	1.65E-08	3.72E-07
5252	494863.09	3865377.25	6.38E-04	6.88E-04	1.09E-03	2.21E-07	6.66E-07	3.86E-07	4.16E-07	3.77E-07	1.72E-07	2.73E-07	7.37E-09	1.78E-07	3.93E-08	5.65E-08	8.97E-08	1.58E-08	1.80E-08	4.05E-07
5253	495363.09	3865377.25	6.46E-04	6.97E-04	1.11E-03	2.24E-07	6.75E-07	3.91E-07	4.22E-07	3.82E-07	1.75E-07	2.77E-07	7.47E-09	1.80E-07	3.98E-08	5.73E-08	9.09E-08	1.60E-08	1.83E-08	4.10E-07
5254	495863.09	3865377.25	6.23E-04	6.72E-04	1.07E-03	2.16E-07	6.51E-07	3.77E-07	4.07E-07	3.69E-07	1.68E-07	2.67E-07	7.20E-09	1.74E-07	3.84E-08	5.52E-08	8.76E-08	1.54E-08	1.76E-08	3.95E-07
5255	496363.09	3865377.25	5.92E-04	6.39E-04	1.01E-03	2.05E-07	6.19E-07	3.58E-07	3.86E-07	3.50E-07	1.60E-07	2.53E-07	6.84E-09	1.65E-07	3.65E-08	5.25E-08	8.32E-08	1.47E-08	1.67E-08	3.76E-07
5256	496863.09	3865377.25	5.65E-04	6.09E-04	9.66E-04	1.95E-07	5.90E-07	3.42E-07	3.69E-07	3.34E-07	1.53E-07	2.42E-07	6.53E-09	1.58E-07	3.48E-08	5.01E-08	7.94E-08	1.40E-08	1.59E-08	3.58E-07
5257	497363.09	3865377.25	5.62E-04	6.06E-04	9.63E-04	1.94E-07	5.87E-07	3.40E-07	3.67E-07	3.33E-07	1.52E-07	2.41E-07	6.49E-09	1.57E-07	3.46E-08	4.98E-08	7.90E-08	1.39E-08	1.59E-08	3.57E-07
5258	497863.09	3865377.25	5.57E-04	6.01E-04	9.55E-04	1.93E-07	5.82E-07	3.37E-07	3.64E-07	3.30E-07	1.50E-07	2.39E-07	6.44E-09	1.55E-07	3.43E-08	4.94E-08	7.83E-08	1.38E-08	1.58E-08	3.54E-07
5259	498363.09	3865377.25	5.57E-04	6.02E-04	9.56E-04	1.93E-07	5.82E-07	3.37E-07	3.64E-07	3.30E-07	1.51E-07	2.39E-07	6.44E-09	1.56E-07	3.43E-08	4.94E-08	7.84E-08	1.38E-08	1.58E-08	3.54E-07
5260	471363.09	3865877.25	3.04E-04	3.27E-04	5.16E-04	1.05E-07	3.17E-07	1.84E-07	1.98E-07	1.80E-07	8.20E-08	1.29E-07	3.51E-09	8.48E-08	1.87E-08	2.69E-08	4.27E-08	7.52E-09	8.52E-09	1.93E-07
5261	471863.09	3865877.25	3.09E-04	3.33E-04	5.24E-04	1.07E-07	3.23E-07	1.87E-07	2.02E-07	1.83E-07	8.34E-08	1.31E-07	3.57E-09	8.63E-08	1.90E-08	2.74E-08	4.34E-08	7.65E-09	8.66E-09	1.96E-07
5262	472363.09	3865877.25	3.16E-04	3.41E-04	5.36E-04	1.09E-07	3.30E-07	1.91E-07	2.06E-07	1.87E-07	8.52E-08	1.34E-07	3.65E-09	8.82E-08	1.95E-08	2.80E-08	4.44E-08	7.82E-09	8.85E-09	2.00E-07
5263	472863.09	3865877.25	3.21E-04	3.46E-04	5.45E-04	1.11E-07	3.36E-07	1.94E-07	2.10E-07	1.90E-07	8.67E-08	1.36E-07	3.71E-09	8.97E-08	1.98E-08	2.84E-08	4.51E-08	7.95E-09	8.99E-09	2.04E-07
5264	473363.09	3865877.25	3.28E-04	3.54E-04	5.56E-04	1.14E-07	3.43E-07	1.99E-07	2.14E-07	1.94E-07	8.85E-08	1.39E-07	3.79E-09	9.16E-08	2.02E-08	2.91E-08	4.61E-08	8.13E-09	9.18E-09	2.08E-07
5265	473863.09	3865877.25	3.37E-04	3.64E-04	5.71E-04	1.17E-07	3.53E-07	2.04E-07	2.20E-07	1.99E-07	9.10E-08	1.43E-07	3.90E-09	9.42E-08	2.08E-08	2.99E-08	4.74E-08	8.35E-09	9.43E-09	2.14E-07
5266	474363.09	3865877.25	3.47E-04	3.74E-04	5.87E-04	1.20E-07	3.62E-07	2.10E-07	2.26E-07	2.05E-07	9.35E-08	1.47E-07	4.01E-09	9.68E-08	2.14E-08	3.07E-08	4.87E-08	8.58E-09	9.69E-09	2.20E-07
5267	474863.09	3865877.25	3.58E-04	3.86E-04	6.06E-04	1.24E-07	3.74E-07	2.17E-07	2.33E-07	2.12E-07	9.66E-08	1.52E-07	4.14E-09	1.00E-07	2.21E-08	3.17E-08	5.03E-08	8.86E-09	1.00E-08	2.27E-07
5268	475363.09	3865877.25	3.70E-04	3.99E-04	6.25E-04	1.28E-07	3.87E-07	2.24E-07	2.41E-07	2.19E-07	9.98E-08	1.57E-07	4.28E-09	1.03E-07	2.28E-08	3.27E-08	5.19E-08	9.15E-09	1.03E-08	2.34E-07
5269	475863.09	3865877.25	3.84E-04	4.14E-04	6.49E-04	1.33E-07	4.01E-07	2.32E-07	2.50E-07	2.27E-07	1.04E-07	1.63E-07	4.44E-09	1.07E-07	2.37E-08	3.40E-08	5.39E-08	9.50E-09	1.07E-08	2.43E-07
5270	476363.09	3865877.25	4.01E-04	4.33E-04	6.80E-04	1.39E-07	4.19E-07	2.43E-07	2.62E-07	2.37E-07	1.08E-07	1.70E-07	4.64E-09	1.12E-07	2.47E-08	3.55E-08	5.64E-08	9.93E-09	1.12E-08	2.54E-07
5271	476863.09	3865877.25	4.08E-04	4.39E-04	6.92E-04	1.41E-07	4.26E-07	2.47E-07	2.66E-07	2.41E-07	1.10E-07	1.73E-07	4.71E-09	1.14E-07	2.51E-08	3.61E-08	5.73E-08	1.01E-08	1.14E-08	2.58E-07
5272	477363.09	3865877.25	4.35E-04	4.68E-04	7.36E-04	1.50E-07	4.54E-07	2.63E-07	2.83E-07	2.57E-07	1.17E-07	1.84E-07	5.02E-09	1.21E-07	2.68E-08	3.85E-08	6.10E-08	1.08E-08	1.22E-08	2.76E-07
5273	477863.09	3865877.25	4.46E-04	4.80E-04	7.55E-04	1.54E-07	4.66E-07	2.70E-07	2.91E-07	2.63E-07	1.20E-07	1.89E-07	5.15E-09	1.24E-07	2.75E-08	3.95E-08	6.26E-08	1.10E-08	1.25E-08	2.83E-07
5274	478363.09	3865877.25	4.58E-04	4.93E-04	7.74E-04	1.58E-07	4.78E-07	2.77E-07	2.98E-07	2.70E-07	1.23E-07	1.94E-07	5.29E-09	1.28E-07	2.82E-08	4.05E-08	6.43E-08	1.13E-08	1.28E-08	2.90E-07
5275	478863.09	3865877.25	4.68E-04	5.05E-04	7.92E-04	1.62E-07	4.89E-07	2.83E-07	3.05E-07	2.77E-07	1.26E-07	1.98E-07	5.41E-09	1.31E-07	2.89E-08	4.15E-08	6.58E-08	1.16E-08	1.31E-08	2.97E-07
5276	479363.09	3865877.25	4.80E-04	5.18E-04	8.12E-04	1.66E-07	5.02E-07	2.91E-07	3.13E-07	2.84E-07	1.30E-07	2.03E-07	5.55E-09	1.34E-07	2.96E-08	4.25E-08	6.74E-08	1.19E-08	1.34E-08	3.05E-07
5277	479863.09	3865877.25	4.93E-04	5.31E-04	8.34E-04	1.71E-07	5.15E-07	2.98E-07	3.21E-07	2.91E-07	1.33E-07	2.09E-07	5.70E-09	1.38E-07	3.04E-08	4.36E-08	6.92E-08	1.22E-08	1.38E-08	3.13E-07
5278	480363.09	3865877.25	5.06E-04	5.45E-04	8.56E-04	1.75E-07	5.29E-07	3.06E-07	3.30E-07	2.99E-07	1.36E-07	2.14E-07	5.85E-09	1.41E-07	3.12E-08	4.48E-08	7.10E-08	1.25E-08	1.41E-08	3.21E-07
5279	480863.09	3865877.25	5.18E-04	5.58E-04	8.76E-04	1.79E-07	5.41E-07	3.13E-07	3.38E-07	3.06E-07	1.40E-07	2.19E-07	5.99E-09	1.45E-07	3.19E-08	4.58E-08	7.27E-08	1.28E-08	1.45E-08	3.28E-07
5280	481363.09	3865877.25	5.27E-04	5.68E-04	8.90E-04	1.82E-07	5.51E-07	3.19E-07	3.43E-07	3.11E-07	1.42E-07	2.23E-07	6.09E-09	1.47E-07	3.25E-08	4.66E-08	7.40E-08	1.30E-08	1.47E-08	3.34E-07
5281	481863.09	3865877.25	5.34E-04	5.76E-04	9.03E-04	1.85E-07	5.58E-07	3.23E-07	3.48E-07	3.16E-07	1.44E-07	2.26E-07	6.18E-09	1.49E-07	3.29E-08	4.73E-08	7.50E-08	1.32E-08	1.49E-08	3.39E-07
5282	482363.09	3865877.25	5.40E-04	5.82E-04	9.12E-04	1.87E-07	5.65E-07	3.27E-07	3.52E-07	3.19E-07	1.46E-07	2.28E-07	6.24E-09	1.51E-07	3.33E-08	4.78E-08	7.58E-08	1.34E-08	1.51E-08	3.42E-07
5283	482863.09	3865877.25	5.44E-04	5.86E-04	9.17E-04	1.88E-07	5.68E-07	3.29E-07	3.54E-07	3.21E-07	1.47E-07	2.29E-07	6.28E-09	1.52E-07	3.35E-08	4.81E-08	7.63E-08	1.35E-08	1.51E-08	3.45E-07
5284	483363.09	3865877.25	5.44E-04	5.86E-04	9.16E-04	1.88E-07	5.68E-07	3.29E-07	3.54E-07	3.21E-07	1.47E-07	2.29E-07	6.29E-09	1.52E-07	3.35E-08	4.81E-08	7.63E-08	1.35E-08	1.51E-08	3.45E-07
5285	483863.09	3865877.25	5.41E-04	5.82E-04	9.09E-04	1.87E-07	5.65E-07	3.27E-07	3.52E-07	3.19E-07	1.46E-07	2.27E-07	6.25E-09	1.51E-07	3.33E-08	4.78E-08	7.59E-08	1.34E-08	1.50E-08	3.43E-07
5286	484363.09	3865877.25	5.37E-04	5.78E-04	9.00E-04	1.86E-07	5.61E-07	3.25E-07	3.50E-07	3.17E-07	1.45E-07	2.25E-07	6.20E-09	1.50E-07	3.31E-08	4.75E-08	7.53E-08	1.33E-08	1.49E-08	3.40E-07
5287	484863.09	3865877.25	5.30E-04	5.70E-04	8.88E-04	1.83E-07	5.54E-07	3.21E-07	3.45E-07	3.13E-07	1.43E-07	2.22E-07	6.13E-09	1.48E-07	3.27E-08	4.69E-08	7.43E-08	1.31E-08	1.47E-08	3.36E-07
5288	485363.09	3865877.25	5.25E-04	5.65E-04	8.80E-04	1.82E-07	5.49E-07	3.18E-07	3.42E-07	3.10E-07	1.42E-07	2.20E-07	6.07E-09	1.47E-07	3.24E-08	4.65E-08	7.37E-08	1.30E-08	1.45E-08	3.33E-07
5289	485863.09	3865877.25	5.22E-04	5.62E-04	8.75E-04	1.81E-07	5.46E-07	3.16E-07	3.40E-07	3.08E-07	1.41E-07	2.19E-07	6.03E-09	1.46E-07	3.22E-08	4.62E-08	7.32E-08	1.29E-08	1.44E-08	3.31E-07
5290	486363.09	3865877.25	5.19E-04	5.59E-04	8.69E-04	1.80E-07	5.43E-07	3.14E-07	3.38E-07	3.06E-07	1.40E-07	2.18E-07	6.00E-09	1.45E-07	3.20E-08	4.59E-08	7.28E-08	1.28E-08	1.44E-08	3.29E-07
5291	486863.09	3865877.25	5.16E-04	5.56E-04	8.64E-04	1.79E-07	5.40E-07	3.12E-07	3.36E-07	3.05E-07	1.39E-07	2.16E-07	5.97E-09	1.44E-07	3.18E-08	4.56E-08	7.24E-08	1.28E-08	1.43E-08	3.27E-07
5292	487363.09	3865877.25	5.14E-04	5.54E-04	8.62E-04	1.78E-07	5.38E-07	3.11E-07	3.35E-07	3.04E-07	1.39E-07	2.16E-07	5.95E-09	1.44E-07	3.17E-08	4.55E-08	7.22E-08	1.27E-08	1.42E-08	3.26E-07
5293	487863.09	3865877.25	5.15E-04	5.55E-04	8.64E-04	1.78E-07	5.39E-07	3.12E-07	3.36E-07	3.04E-07	1.39E-07	2.16E-07	5.96E-09	1.44E-07	3.18E-08	4.56E-08	7.23E-08	1.27E-08	1.43E-08	3.26E-07
5294	488363.09	3865877.25	5.15E-04	5.55E-04	8.65E-04	1.78E-07	5.38E-07	3.12E-07	3.36E-07	3.04E-07	1.39E-07	2.16E-07	5.95E-09	1.44E-07	3.17E-08	4.56E-08	7.23E-08	1.27E-08	1.43E-08	3.26E-07
5295	488863.09	3865877.25	5.18E-04	5.58E-04	8.72E-04	1.79E-07	5.42E-07	3.14E-07	3.38E-07	3.06E-07	1.40E-07	2.18E-07	5.99E-09	1.45E-07	3.19E-08	4.59E-08	7.27E-08	1.28E-08	1.44E-08	3.28E-07
5296	489363.09	3865877.25	5.21E-04	5.61E-04	8.79E-04	1.80E-07	5.45E-07	3.15E-07	3.40E-07	3.08E-07	1.41E-07	2.20E-07	6.02E-09	1.46E-07	3.21E-08	4.61E-08	7.32E-08	1.29E-08	1.45E-08	3.30E-07
5297	489863.09	3865877.25	5.23E-04	5.64E-04	8.84E-04	1.81E-07	5.47E-07	3.17E-07	3.41E-07	3.09E-07	1.41E-07	2.21E-07	6.05E-09	1.46E-07	3.22E-08	4.63E-08	7.35E-08	1.30E-08	1.46E-08	3.32E-07
5298	490363.09	3865877.25	5.30E-04	5.71E-04	8.97E-04	1.83E-07	5.54E-07	3.21E-07	3.46E-07	3.13E-07	1.43E-07	2.24E-07	6.13E-09	1.48E-07	3.27E-08	4.69E-08	7.44E-08	1.31E-08	1.48E-08	3.36E-07
5299	490863.09	3865877.25	5.34E-04	5.76E-04	9.06E-04	1.85E-07	5.58E-07	3.23E-07	3.48E-07	3.16E-07	1.44E-07	2.27E-07	6.17E-09	1.49E-07	3.29E-08	4.73E-08	7.50E-08	1.32E-08	1.50E-08	3.39E-07
5300	491363.09	3865877.25	5.24E-04	5.65E-04	8.91E-04	1.81E-07	5.48E-07	3.17E-07	3.42E-07	3.10E-07	1.41E-07	2.23E-07	6.06E-09	1.46E-07	3.23E-08	4.64E-08	7.37E-08	1.30E-08	1.47E-08	3.33E-07
5301	491863.09	3865877.25	5.24E-04	5.65E-04	8.93E-04	1.81E-07	5.48E-07	3.17E-07	3.42E-07	3.10E-07	1.41E-07	2.23E-07	6.06E-09	1.46E-07	3.23E-08	4.64E-08	7.37E-08	1.30E-08	1.47E-08	3.33E-07
5302	492363.09	3865877.25	5.13E-04	5.53E-04	8.75E-04	1.78E-07	5.36E-07	3.10E-07	3.35E-07	3.04E-07	1.39E-07	2.19E-07	5.93E-09	1.43E-07	3.16E-08	4.55E-08	7.21E-08	1.27E-08	1.45E-08	3.26E-07
5303	492863.09	3865877.25	4.15E-04	4.47E-04	7.08E-04	1.44E-07	4.33E-07	2.51E-07	2.71E-07	2.45E-07	1.12E-07	1.77E-07	4.79E-09	1.16E-07	2.55E-08	3.67E-08	5.83E-08	1.03E-08	1.17E-08	2.63E-07

5304	493363.09	3865877.25	4.13E-04	4.46E-04	7.06E-04	1.43E-07	4.32E-07	2.50E-07	2.70E-07	2.45E-07	1.12E-07	1.77E-07	4.78E-09	1.15E-07	2.55E-08	3.66E-08	5.81E-08	1.02E-08	1.17E-08	2.62E-07
5305	493863.09	3865877.25	4.56E-04	4.92E-04	7.80E-04	1.58E-07	4.77E-07	2.76E-07	2.98E-07	2.70E-07	1.23E-07	1.95E-07	5.27E-09	1.27E-07	2.81E-08	4.04E-08	6.41E-08	1.13E-08	1.29E-08	2.89E-07
5306	494363.09	3865877.25	4.99E-04	5.38E-04	8.51E-04	1.73E-07	5.21E-07	3.02E-07	3.25E-07	2.95E-07	1.35E-07	2.13E-07	5.76E-09	1.39E-07	3.07E-08	4.42E-08	7.01E-08	1.24E-08	1.41E-08	3.16E-07
5307	494863.09	3865877.25	5.54E-04	5.98E-04	9.46E-04	1.92E-07	5.79E-07	3.35E-07	3.62E-07	3.28E-07	1.50E-07	2.37E-07	6.41E-09	1.55E-07	3.42E-08	4.91E-08	7.79E-08	1.37E-08	1.56E-08	3.52E-07
5308	495363.09	3865877.25	5.84E-04	6.30E-04	9.99E-04	2.02E-07	6.11E-07	3.53E-07	3.81E-07	3.46E-07	1.58E-07	2.50E-07	6.75E-09	1.63E-07	3.60E-08	5.18E-08	8.21E-08	1.45E-08	1.65E-08	3.71E-07
5309	495863.09	3865877.25	5.91E-04	6.38E-04	1.01E-03	2.05E-07	6.18E-07	3.58E-07	3.86E-07	3.50E-07	1.60E-07	2.53E-07	6.83E-09	1.65E-07	3.64E-08	5.24E-08	8.31E-08	1.46E-08	1.67E-08	3.75E-07
5310	496363.09	3865877.25	5.72E-04	6.17E-04	9.79E-04	1.98E-07	5.98E-07	3.46E-07	3.74E-07	3.39E-07	1.55E-07	2.45E-07	6.61E-09	1.60E-07	3.52E-08	5.07E-08	8.05E-08	1.42E-08	1.62E-08	3.63E-07
5311	496863.09	3865877.25	5.35E-04	5.78E-04	9.16E-04	1.85E-07	5.59E-07	3.24E-07	3.50E-07	3.17E-07	1.45E-07	2.29E-07	6.19E-09	1.49E-07	3.30E-08	4.75E-08	7.53E-08	1.33E-08	1.51E-08	3.40E-07
5312	497363.09	3865877.25	5.13E-04	5.54E-04	8.77E-04	1.78E-07	5.36E-07	3.10E-07	3.35E-07	3.04E-07	1.39E-07	2.20E-07	5.93E-09	1.43E-07	3.16E-08	4.55E-08	7.22E-08	1.27E-08	1.45E-08	3.26E-07
5313	497863.09	3865877.25	5.06E-04	5.46E-04	8.65E-04	1.75E-07	5.29E-07	3.06E-07	3.30E-07	3.00E-07	1.37E-07	2.16E-07	5.85E-09	1.41E-07	3.12E-08	4.49E-08	7.12E-08	1.25E-08	1.43E-08	3.21E-07
5314	498363.09	3865877.25	5.00E-04	5.40E-04	8.55E-04	1.73E-07	5.23E-07	3.03E-07	3.27E-07	2.96E-07	1.35E-07	2.14E-07	5.78E-09	1.40E-07	3.08E-08	4.43E-08	7.04E-08	1.24E-08	1.41E-08	3.18E-07
5315	471363.09	3866377.25	2.86E-04	3.08E-04	4.85E-04	9.89E-08	2.99E-07	1.73E-07	1.86E-07	1.69E-07	7.71E-08	1.21E-07	3.30E-09	7.98E-08	1.76E-08	2.53E-08	4.02E-08	7.08E-09	8.00E-09	1.81E-07
5316	471863.09	3866377.25	2.91E-04	3.14E-04	4.94E-04	1.01E-07	3.05E-07	1.76E-07	1.90E-07	1.72E-07	7.86E-08	1.24E-07	3.37E-09	8.14E-08	1.80E-08	2.58E-08	4.09E-08	7.21E-09	8.15E-09	1.85E-07
5317	472363.09	3866377.25	2.97E-04	3.20E-04	5.03E-04	1.03E-07	3.10E-07	1.80E-07	1.94E-07	1.76E-07	8.01E-08	1.26E-07	3.43E-09	8.29E-08	1.83E-08	2.63E-08	4.17E-08	7.35E-09	8.31E-09	1.88E-07
5318	472863.09	3866377.25	3.03E-04	3.26E-04	5.12E-04	1.05E-07	3.16E-07	1.83E-07	1.97E-07	1.79E-07	8.16E-08	1.28E-07	3.50E-09	8.45E-08	1.86E-08	2.68E-08	4.25E-08	7.49E-09	8.46E-09	1.92E-07
5319	473363.09	3866377.25	3.11E-04	3.35E-04	5.26E-04	1.08E-07	3.25E-07	1.88E-07	2.03E-07	1.84E-07	8.38E-08	1.32E-07	3.59E-09	8.67E-08	1.91E-08	2.75E-08	4.36E-08	7.69E-09	8.68E-09	1.97E-07
5320	473863.09	3866377.25	3.19E-04	3.44E-04	5.40E-04	1.11E-07	3.34E-07	1.93E-07	2.08E-07	1.89E-07	8.61E-08	1.35E-07	3.69E-09	8.92E-08	1.97E-08	2.83E-08	4.48E-08	7.90E-09	8.92E-09	2.02E-07
5321	474363.09	3866377.25	3.29E-04	3.55E-04	5.57E-04	1.14E-07	3.44E-07	1.99E-07	2.15E-07	1.95E-07	8.88E-08	1.39E-07	3.81E-09	9.19E-08	2.03E-08	2.91E-08	4.62E-08	8.15E-09	9.19E-09	2.09E-07
5322	474863.09	3866377.25	3.41E-04	3.67E-04	5.76E-04	1.18E-07	3.56E-07	2.06E-07	2.22E-07	2.01E-07	9.18E-08	1.44E-07	3.94E-09	9.51E-08	2.10E-08	3.01E-08	4.78E-08	8.43E-09	9.50E-09	2.16E-07
5323	475363.09	3866377.25	3.52E-04	3.79E-04	5.95E-04	1.22E-07	3.68E-07	2.13E-07	2.30E-07	2.08E-07	9.50E-08	1.49E-07	4.07E-09	9.83E-08	2.17E-08	3.12E-08	4.94E-08	8.71E-09	9.83E-09	2.23E-07
5324	475863.09	3866377.25	3.65E-04	3.93E-04	6.17E-04	1.26E-07	3.81E-07	2.21E-07	2.38E-07	2.16E-07	9.84E-08	1.54E-07	4.22E-09	1.02E-07	2.25E-08	3.23E-08	5.12E-08	9.03E-09	1.02E-08	2.31E-07
5325	476363.09	3866377.25	3.83E-04	4.13E-04	6.49E-04	1.33E-07	4.01E-07	2.32E-07	2.50E-07	2.27E-07	1.03E-07	1.62E-07	4.43E-09	1.07E-07	2.36E-08	3.39E-08	5.38E-08	9.49E-09	1.07E-08	2.43E-07
5326	476863.09	3866377.25	3.84E-04	4.14E-04	6.52E-04	1.33E-07	4.01E-07	2.32E-07	2.51E-07	2.27E-07	1.04E-07	1.63E-07	4.44E-09	1.07E-07	2.37E-08	3.40E-08	5.40E-08	9.51E-09	1.08E-08	2.44E-07
5327	477363.09	3866377.25	4.09E-04	4.41E-04	6.94E-04	1.42E-07	4.28E-07	2.48E-07	2.67E-07	2.42E-07	1.10E-07	1.74E-07	4.73E-09	1.14E-07	2.52E-08	3.62E-08	5.75E-08	1.01E-08	1.15E-08	2.60E-07
5328	477863.09	3866377.25	4.22E-04	4.55E-04	7.14E-04	1.46E-07	4.41E-07	2.55E-07	2.75E-07	2.50E-07	1.14E-07	1.79E-07	4.88E-09	1.18E-07	2.60E-08	3.74E-08	5.93E-08	1.04E-08	1.18E-08	2.68E-07
5329	478363.09	3866377.25	4.30E-04	4.63E-04	7.27E-04	1.49E-07	4.49E-07	2.60E-07	2.80E-07	2.54E-07	1.16E-07	1.82E-07	4.97E-09	1.20E-07	2.65E-08	3.80E-08	6.03E-08	1.06E-08	1.20E-08	2.72E-07
5330	478863.09	3866377.25	4.40E-04	4.74E-04	7.43E-04	1.52E-07	4.60E-07	2.66E-07	2.87E-07	2.60E-07	1.19E-07	1.86E-07	5.08E-09	1.23E-07	2.71E-08	3.89E-08	6.17E-08	1.09E-08	1.23E-08	2.79E-07
5331	479363.09	3866377.25	4.51E-04	4.86E-04	7.62E-04	1.56E-07	4.71E-07	2.73E-07	2.94E-07	2.67E-07	1.22E-07	1.91E-07	5.21E-09	1.26E-07	2.78E-08	3.99E-08	6.33E-08	1.12E-08	1.26E-08	2.86E-07
5332	479863.09	3866377.25	4.64E-04	5.00E-04	7.85E-04	1.61E-07	4.85E-07	2.81E-07	3.03E-07	2.74E-07	1.25E-07	1.96E-07	5.36E-09	1.30E-07	2.86E-08	4.11E-08	6.52E-08	1.15E-08	1.30E-08	2.94E-07
5333	480363.09	3866377.25	4.76E-04	5.13E-04	8.04E-04	1.65E-07	4.97E-07	2.88E-07	3.10E-07	2.81E-07	1.28E-07	2.01E-07	5.50E-09	1.33E-07	2.93E-08	4.21E-08	6.68E-08	1.18E-08	1.33E-08	3.02E-07
5334	480863.09	3866377.25	4.83E-04	5.21E-04	8.17E-04	1.67E-07	5.05E-07	2.92E-07	3.15E-07	2.86E-07	1.30E-07	2.04E-07	5.59E-09	1.35E-07	2.98E-08	4.28E-08	6.79E-08	1.20E-08	1.35E-08	3.06E-07
5335	481363.09	3866377.25	4.90E-04	5.28E-04	8.28E-04	1.70E-07	5.12E-07	2.96E-07	3.19E-07	2.90E-07	1.32E-07	2.07E-07	5.66E-09	1.37E-07	3.02E-08	4.34E-08	6.88E-08	1.21E-08	1.37E-08	3.11E-07
5336	481863.09	3866377.25	4.94E-04	5.32E-04	8.34E-04	1.71E-07	5.16E-07	2.99E-07	3.22E-07	2.92E-07	1.33E-07	2.09E-07	5.71E-09	1.38E-07	3.04E-08	4.37E-08	6.93E-08	1.22E-08	1.38E-08	3.13E-07
5337	482363.09	3866377.25	4.97E-04	5.36E-04	8.39E-04	1.72E-07	5.20E-07	3.01E-07	3.24E-07	2.94E-07	1.34E-07	2.10E-07	5.75E-09	1.39E-07	3.06E-08	4.40E-08	6.98E-08	1.23E-08	1.38E-08	3.15E-07
5338	482863.09	3866377.25	5.00E-04	5.39E-04	8.43E-04	1.73E-07	5.23E-07	3.03E-07	3.26E-07	2.96E-07	1.35E-07	2.11E-07	5.78E-09	1.40E-07	3.08E-08	4.43E-08	7.02E-08	1.24E-08	1.39E-08	3.17E-07
5339	483363.09	3866377.25	5.00E-04	5.38E-04	8.41E-04	1.73E-07	5.22E-07	3.02E-07	3.26E-07	2.95E-07	1.35E-07	2.10E-07	5.78E-09	1.39E-07	3.08E-08	4.42E-08	7.01E-08	1.24E-08	1.39E-08	3.17E-07
5340	483863.09	3866377.25	4.97E-04	5.35E-04	8.34E-04	1.72E-07	5.19E-07	3.00E-07	3.23E-07	2.93E-07	1.34E-07	2.09E-07	5.74E-09	1.39E-07	3.06E-08	4.39E-08	6.97E-08	1.23E-08	1.38E-08	3.15E-07
5341	484363.09	3866377.25	4.91E-04	5.29E-04	8.24E-04	1.70E-07	5.14E-07	2.97E-07	3.20E-07	2.90E-07	1.32E-07	2.06E-07	5.68E-09	1.37E-07	3.03E-08	4.35E-08	6.89E-08	1.21E-08	1.36E-08	3.11E-07
5342	484863.09	3866377.25	4.87E-04	5.24E-04	8.16E-04	1.69E-07	5.09E-07	2.95E-07	3.17E-07	2.88E-07	1.31E-07	2.04E-07	5.63E-09	1.36E-07	3.00E-08	4.31E-08	6.83E-08	1.20E-08	1.35E-08	3.09E-07
5343	485363.09	3866377.25	4.81E-04	5.18E-04	8.06E-04	1.67E-07	5.03E-07	2.91E-07	3.14E-07	2.84E-07	1.30E-07	2.02E-07	5.56E-09	1.34E-07	2.97E-08	4.26E-08	6.75E-08	1.19E-08	1.33E-08	3.05E-07
5344	485863.09	3866377.25	4.77E-04	5.13E-04	7.98E-04	1.65E-07	4.98E-07	2.88E-07	3.11E-07	2.81E-07	1.28E-07	2.00E-07	5.51E-09	1.33E-07	2.94E-08	4.22E-08	6.69E-08	1.18E-08	1.32E-08	3.02E-07
5345	486363.09	3866377.25	4.74E-04	5.10E-04	7.94E-04	1.64E-07	4.96E-07	2.87E-07	3.09E-07	2.80E-07	1.28E-07	1.99E-07	5.48E-09	1.32E-07	2.92E-08	4.19E-08	6.65E-08	1.17E-08	1.31E-08	3.00E-07
5346	486863.09	3866377.25	4.74E-04	5.10E-04	7.93E-04	1.64E-07	4.95E-07	2.87E-07	3.09E-07	2.80E-07	1.28E-07	1.98E-07	5.48E-09	1.32E-07	2.92E-08	4.19E-08	6.65E-08	1.17E-08	1.31E-08	3.00E-07
5347	487363.09	3866377.25	4.81E-04	5.18E-04	8.06E-04	1.67E-07	5.03E-07	2.91E-07	3.13E-07	2.84E-07	1.30E-07	2.02E-07	5.56E-09	1.34E-07	2.96E-08	4.25E-08	6.75E-08	1.19E-08	1.33E-08	3.05E-07
5348	487863.09	3866377.25	4.85E-04	5.22E-04	8.13E-04	1.68E-07	5.07E-07	2.93E-07	3.16E-07	2.86E-07	1.31E-07	2.03E-07	5.61E-09	1.35E-07	2.99E-08	4.29E-08	6.80E-08	1.20E-08	1.34E-08	3.07E-07
5349	488363.09	3866377.25	4.85E-04	5.22E-04	8.14E-04	1.68E-07	5.07E-07	2.93E-07	3.16E-07	2.86E-07	1.31E-07	2.04E-07	5.61E-09	1.35E-07	2.99E-08	4.29E-08	6.81E-08	1.20E-08	1.34E-08	3.07E-07
5350	488863.09	3866377.25	4.87E-04	5.25E-04	8.21E-04	1.69E-07	5.09E-07	2.95E-07	3.18E-07	2.88E-07	1.31E-07	2.05E-07	5.63E-09	1.36E-07	3.00E-08	4.31E-08	6.84E-08	1.21E-08	1.35E-08	3.09E-07
5351	489363.09	3866377.25	4.86E-04	5.24E-04	8.21E-04	1.68E-07	5.08E-07	2.94E-07	3.17E-07	2.87E-07	1.31E-07	2.05E-07	5.62E-09	1.36E-07	3.00E-08	4.30E-08	6.83E-08	1.20E-08	1.35E-08	3.08E-07
5352	489863.09	3866377.25	4.75E-04	5.12E-04	8.04E-04	1.65E-07	4.97E-07	2.88E-07	3.10E-07	2.81E-07	1.28E-07	2.01E-07	5.49E-09	1.33E-07	2.93E-08	4.21E-08	6.68E-08	1.18E-08	1.33E-08	3.01E-07
5353	490363.09	3866377.25	4.85E-04	5.22E-04	8.19E-04	1.68E-07	5.07E-07	2.93E-07	3.16E-07	2.86E-07	1.31E-07	2.05E-07	5.60E-09	1.35E-07	2.99E-08	4.29E-08	6.81E-08	1.20E-08	1.35E-08	3.07E-07
5354	490863.09	3866377.25	4.86E-04	5.24E-04	8.22E-04	1.68E-07	5.08E-07	2.94E-07	3.17E-07	2.87E-07	1.31E-07	2.06E-07	5.62E-09	1.36E-07	2.99E-08	4.30E-08	6.83E-08	1.20E-08	1.36E-08	3.08E-07
5355	491363.09	3866377.25	4.93E-04	5.31E-04	8.36E-04	1.71E-07	5.15E-07	2.98E-07	3.21E-07	2.91E-07	1.33E-07	2.09E-07	5.70E-09	1.38E-07	3.04E-08	4.36E-08	6.92E-08	1.22E-08	1.38E-08	3.12E-07
5356	491863.09	3866377.25	4.67E-04	5.03E-04	7.95E-04	1.62E-07	4.88E-07	2.82E-07	3.05E-07	2.76E-07	1.26E-07	1.99E-07	5.40E-09	1.30E-07	2.88E-08	4.14E-08	6.56E-08	1.16E-08	1.31E-08	2.96E-07
5357	492363.09	3866377.25	4.70E-04	5.07E-04	8.02E-04	1.63E-07	4.92E-07	2.85E-07	3.07E-07	2.78E-07	1.27E-07	2.01E-07	5.44E-09	1.31E-07	2.90E-08	4.17E-08	6.61E-08	1.17E-08	1.32E-08	2.98E-07
5358	492863.09	3866377.25	4.36E-04	4.70E-04	7.45E-04	1.51E-07	4.56E-07	2.64E-07	2.85E-07	2.58E-07	1.18E-07	1.86E-07	5.04E-09	1.22E-07	2.69E-08	3.86E-08	6.13E-08	1.08E-08	1.23E-08	2.77E-07
5359	493363.09	3866377.25	4.58E-04	4.94E-04	7.81E-04	1.58E-07	4.78E-07	2.77E-07	2.99E-07	2.71E-07	1.24E-07	1.95E-07	5.29E-09	1.28E-07	2.82E-08	4.06E-08	6.44E-08	1.13E-08	1.29E-08	2.90E-07
5360	493863.09	3866377.25	4.79E-04	5.17E-04	8.18E-04	1.66E-07	5.01E-07	2.90E-07	3.13E-07	2.83E-07	1.29E-07	2.05E-07	5.54E-09	1.34E-07	2.95E-08	4.25E-08	6.73E-08	1.19E-08	1.35E-08	3.04E-07
5361	494363.09	3866377.25	4.88E-04	5.26E-04	8.31E-04	1.69E-07	5.10E-07	2.95E-07	3.18E-07	2.88E-07	1.32E-07	2.08E-07	5.64E-09	1.36E-07	3.00E-08	4.32E-08	6.85E-08	1.21E-08	1.37E-08	3.09E-07
5362	494863.09	3866377.25	4.78E-04	5.16E-04	8.16E-04	1.66E-07	5.00E-07	2.89E-07	3.12E-07	2.83E-07	1.29E-07	2.04E-07	5.53E-09	1.34E-07	2.95E-08	4.24E-08	6.73E-08	1.19E-08	1.35E-08	3.04E-07

5363	495363.09	3866377.25	4.96E-04	5.35E-04	8.47E-04	1.72E-07	5.19E-07	3.00E-07	3.24E-07	2.94E-07	1.34E-07	2.12E-07	5.74E-09	1.39E-07	3.06E-08	4.40E-08	6.98E-08	1.23E-08	1.40E-08	3.15E-07
5364	495863.09	3866377.25	5.23E-04	5.64E-04	8.94E-04	1.81E-07	5.46E-07	3.16E-07	3.41E-07	3.09E-07	1.41E-07	2.24E-07	6.04E-09	1.46E-07	3.22E-08	4.63E-08	7.35E-08	1.30E-08	1.48E-08	3.32E-07
5365	496363.09	3866377.25	5.28E-04	5.70E-04	9.04E-04	1.83E-07	5.52E-07	3.19E-07	3.45E-07	3.13E-07	1.43E-07	2.26E-07	6.10E-09	1.47E-07	3.25E-08	4.68E-08	7.43E-08	1.31E-08	1.49E-08	3.35E-07
5366	496863.09	3866377.25	5.08E-04	5.48E-04	8.70E-04	1.76E-07	5.31E-07	3.07E-07	3.32E-07	3.01E-07	1.37E-07	2.18E-07	5.87E-09	1.42E-07	3.13E-08	4.50E-08	7.14E-08	1.26E-08	1.44E-08	3.22E-07
5367	497363.09	3866377.25	4.84E-04	5.22E-04	8.29E-04	1.68E-07	5.06E-07	2.93E-07	3.16E-07	2.87E-07	1.31E-07	2.07E-07	5.60E-09	1.35E-07	2.98E-08	4.29E-08	6.81E-08	1.20E-08	1.37E-08	3.07E-07
5368	497863.09	3866377.25	4.62E-04	4.99E-04	7.91E-04	1.60E-07	4.83E-07	2.80E-07	3.02E-07	2.74E-07	1.25E-07	1.98E-07	5.34E-09	1.29E-07	2.85E-08	4.10E-08	6.50E-08	1.15E-08	1.31E-08	2.93E-07
5369	498363.09	3866377.25	4.17E-04	4.50E-04	7.14E-04	1.45E-07	4.36E-07	2.53E-07	2.73E-07	2.47E-07	1.13E-07	1.79E-07	4.83E-09	1.17E-07	2.57E-08	3.70E-08	5.87E-08	1.03E-08	1.18E-08	2.65E-07
5370	474494.92	3848334.16	2.85E-04	3.07E-04	4.85E-04	9.86E-08	2.98E-07	1.72E-07	1.86E-07	1.69E-07	7.69E-08	1.21E-07	3.29E-09	7.96E-08	1.76E-08	2.52E-08	4.00E-08	7.06E-09	8.00E-09	1.81E-07
5371	475167.27	3848920.79	3.25E-04	3.51E-04	5.54E-04	1.13E-07	3.40E-07	1.97E-07	2.12E-07	1.92E-07	8.78E-08	1.39E-07	3.76E-09	9.08E-08	2.00E-08	2.88E-08	4.57E-08	8.06E-09	9.14E-09	2.06E-07
5372	475297.89	3848997.96	3.31E-04	3.57E-04	5.63E-04	1.15E-07	3.46E-07	2.00E-07	2.16E-07	1.96E-07	8.93E-08	1.41E-07	3.82E-09	9.24E-08	2.04E-08	2.93E-08	4.65E-08	8.20E-09	9.29E-09	2.10E-07
5373	475439.05	3849062	3.27E-04	3.53E-04	5.57E-04	1.13E-07	3.42E-07	1.98E-07	2.13E-07	1.94E-07	8.83E-08	1.39E-07	3.78E-09	9.14E-08	2.02E-08	2.90E-08	4.60E-08	8.10E-09	9.19E-09	2.08E-07
5374	475486.86	3849061.09	3.24E-04	3.49E-04	5.52E-04	1.12E-07	3.39E-07	1.96E-07	2.11E-07	1.92E-07	8.75E-08	1.38E-07	3.75E-09	9.05E-08	2.00E-08	2.87E-08	4.55E-08	8.03E-09	9.11E-09	2.06E-07
5375	475538.46	3849075.56	3.26E-04	3.52E-04	5.55E-04	1.13E-07	3.41E-07	1.97E-07	2.13E-07	1.93E-07	8.80E-08	1.39E-07	3.77E-09	9.10E-08	2.01E-08	2.89E-08	4.58E-08	8.08E-09	9.16E-09	2.07E-07
5376	475751.79	3849137.15	3.41E-04	3.67E-04	5.79E-04	1.18E-07	3.56E-07	2.06E-07	2.22E-07	2.02E-07	9.20E-08	1.45E-07	3.94E-09	9.52E-08	2.10E-08	3.02E-08	4.79E-08	8.44E-09	9.57E-09	2.16E-07
5377	476303.62	3849223.38	3.47E-04	3.74E-04	5.89E-04	1.20E-07	3.63E-07	2.10E-07	2.27E-07	2.05E-07	9.37E-08	1.48E-07	4.01E-09	9.70E-08	2.14E-08	3.08E-08	4.88E-08	8.60E-09	9.73E-09	2.20E-07
5378	476304.51	3849238.92	3.50E-04	3.77E-04	5.94E-04	1.21E-07	3.66E-07	2.12E-07	2.28E-07	2.07E-07	9.44E-08	1.49E-07	4.04E-09	9.77E-08	2.16E-08	3.10E-08	4.91E-08	8.66E-09	9.80E-09	2.22E-07
5379	476365.04	3849247.98	3.50E-04	3.77E-04	5.93E-04	1.21E-07	3.65E-07	2.11E-07	2.28E-07	2.07E-07	9.43E-08	1.48E-07	4.04E-09	9.76E-08	2.15E-08	3.10E-08	4.91E-08	8.65E-09	9.79E-09	2.22E-07
5380	476444.86	3849267.13	3.48E-04	3.75E-04	5.90E-04	1.20E-07	3.64E-07	2.10E-07	2.27E-07	2.06E-07	9.38E-08	1.48E-07	4.02E-09	9.71E-08	2.14E-08	3.08E-08	4.89E-08	8.61E-09	9.75E-09	2.21E-07
5381	476550.75	3849300.66	3.52E-04	3.79E-04	5.97E-04	1.22E-07	3.68E-07	2.13E-07	2.29E-07	2.08E-07	9.49E-08	1.49E-07	4.06E-09	9.82E-08	2.17E-08	3.11E-08	4.94E-08	8.71E-09	9.85E-09	2.23E-07
5382	476656.71	3849346.88	3.55E-04	3.83E-04	6.03E-04	1.23E-07	3.71E-07	2.15E-07	2.32E-07	2.10E-07	9.59E-08	1.51E-07	4.11E-09	9.92E-08	2.19E-08	3.15E-08	4.99E-08	8.80E-09	9.95E-09	2.25E-07
5383	476873.55	3849454.53	3.67E-04	3.96E-04	6.22E-04	1.27E-07	3.84E-07	2.22E-07	2.39E-07	2.17E-07	9.90E-08	1.56E-07	4.24E-09	1.02E-07	2.26E-08	3.25E-08	5.15E-08	9.09E-09	1.03E-08	2.33E-07
5384	477700	3849859.7	4.29E-04	4.62E-04	7.25E-04	1.49E-07	4.48E-07	2.60E-07	2.80E-07	2.54E-07	1.16E-07	1.81E-07	4.96E-09	1.20E-07	2.64E-08	3.80E-08	6.02E-08	1.06E-08	1.20E-08	2.72E-07
5385	477743.16	3849856.38	4.28E-04	4.62E-04	7.24E-04	1.48E-07	4.48E-07	2.59E-07	2.79E-07	2.53E-07	1.16E-07	1.81E-07	4.95E-09	1.20E-07	2.64E-08	3.79E-08	6.02E-08	1.06E-08	1.20E-08	2.72E-07
5386	478477.35	3850216.33	5.34E-04	5.76E-04	9.05E-04	1.85E-07	5.58E-07	3.23E-07	3.48E-07	3.16E-07	1.44E-07	2.27E-07	6.17E-09	1.49E-07	3.29E-08	4.73E-08	7.50E-08	1.32E-08	1.49E-08	3.39E-07
5387	478485.8	3850201.6	5.39E-04	5.81E-04	9.15E-04	1.87E-07	5.63E-07	3.26E-07	3.52E-07	3.19E-07	1.45E-07	2.29E-07	6.23E-09	1.51E-07	3.32E-08	4.77E-08	7.57E-08	1.33E-08	1.51E-08	3.42E-07
5388	479113.21	3850501.53	7.29E-04	7.86E-04	1.24E-03	2.52E-07	7.62E-07	4.41E-07	4.76E-07	4.31E-07	1.97E-07	3.10E-07	8.43E-09	2.04E-07	4.49E-08	6.46E-08	1.02E-07	1.81E-08	2.05E-08	4.62E-07
5389	479108.11	3850382.28	7.40E-04	7.98E-04	1.26E-03	2.56E-07	7.74E-07	4.48E-07	4.83E-07	4.38E-07	2.00E-07	3.16E-07	8.56E-09	2.07E-07	4.56E-08	6.56E-08	1.04E-07	1.83E-08	2.08E-08	4.70E-07
5390	479689.85	3850674.28	8.63E-04	9.31E-04	1.47E-03	2.99E-07	9.02E-07	5.22E-07	5.63E-07	5.11E-07	2.33E-07	3.69E-07	9.98E-09	2.41E-07	5.32E-08	7.65E-08	1.21E-07	2.14E-08	2.43E-08	5.48E-07
5391	479952.42	3850774.28	8.98E-04	9.69E-04	1.53E-03	3.11E-07	9.38E-07	5.43E-07	5.86E-07	5.31E-07	2.42E-07	3.84E-07	1.04E-08	2.51E-07	5.53E-08	7.96E-08	1.26E-07	2.22E-08	2.53E-08	5.70E-07
5392	479911.32	3850884.85	9.32E-04	1.01E-03	1.59E-03	3.22E-07	9.74E-07	5.64E-07	6.08E-07	5.51E-07	2.52E-07	3.98E-07	1.08E-08	2.60E-07	5.74E-08	8.26E-08	1.31E-07	2.31E-08	2.63E-08	5.91E-07
5393	480500.92	3851178.12	1.04E-03	1.12E-03	1.76E-03	3.59E-07	1.08E-06	6.27E-07	6.76E-07	6.13E-07	2.80E-07	4.41E-07	1.20E-08	2.89E-07	6.38E-08	9.18E-08	1.46E-07	2.57E-08	2.91E-08	6.57E-07
5394	480738.01	3851289.27	1.06E-03	1.15E-03	1.80E-03	3.68E-07	1.11E-06	6.43E-07	6.93E-07	6.28E-07	2.87E-07	4.51E-07	1.23E-08	2.97E-07	6.55E-08	9.41E-08	1.49E-07	2.63E-08	2.97E-08	6.74E-07
5395	481055.42	3851443.58	1.10E-03	1.18E-03	1.86E-03	3.80E-07	1.15E-06	6.65E-07	7.17E-07	6.50E-07	2.96E-07	4.65E-07	1.27E-08	3.07E-07	6.77E-08	9.73E-08	1.54E-07	2.72E-08	3.07E-08	6.97E-07
5396	481110.22	3851443.15	1.09E-03	1.17E-03	1.84E-03	3.77E-07	1.14E-06	6.58E-07	7.09E-07	6.43E-07	2.93E-07	4.60E-07	1.26E-08	3.04E-07	6.70E-08	9.63E-08	1.53E-07	2.69E-08	3.04E-08	6.90E-07
5397	481111.1	3851417.45	1.07E-03	1.15E-03	1.81E-03	3.71E-07	1.12E-06	6.48E-07	6.98E-07	6.33E-07	2.89E-07	4.53E-07	1.24E-08	2.99E-07	6.60E-08	9.48E-08	1.50E-07	2.65E-08	2.99E-08	6.79E-07
5398	482248.44	3852605.09	1.85E-03	1.99E-03	3.11E-03	6.41E-07	1.94E-06	1.12E-06	1.21E-06	1.09E-06	4.99E-07	7.78E-07	2.14E-08	5.17E-07	1.14E-07	1.64E-07	2.60E-07	4.58E-08	5.13E-08	1.17E-06
5399	482273.34	3852632.31	1.88E-03	2.02E-03	3.15E-03	6.51E-07	1.97E-06	1.14E-06	1.22E-06	1.11E-06	5.07E-07	7.90E-07	2.17E-08	5.25E-07	1.16E-07	1.66E-07	2.64E-07	4.65E-08	5.21E-08	1.19E-06
5400	482665.46	3853038.72	2.51E-03	2.70E-03	4.18E-03	8.68E-07	2.62E-06	1.52E-06	1.63E-06	1.48E-06	6.75E-07	1.05E-06	2.90E-08	7.00E-07	1.54E-07	2.22E-07	3.52E-07	6.19E-08	6.90E-08	1.59E-06
5401	483077.95	3853844.31	1.72E-02	1.86E-02	2.93E-02	5.97E-06	1.80E-05	1.04E-05	1.13E-05	1.02E-05	4.65E-06	7.34E-06	1.99E-07	4.81E-06	1.06E-06	1.53E-06	2.42E-06	4.27E-07	4.84E-07	1.09E-05
5402	483121.38	3853909.38	1.88E-02	2.04E-02	3.32E-02	6.52E-06	1.97E-05	1.14E-05	1.23E-05	1.12E-05	5.10E-06	8.31E-06	2.18E-07	5.26E-06	1.16E-06	1.68E-06	2.66E-06	4.68E-07	5.48E-07	1.20E-05
5403	483492.64	3853911.49	1.11E-02	1.20E-02	1.95E-02	3.84E-06	1.16E-05	6.71E-06	7.27E-06	6.59E-06	3.01E-06	4.89E-06	1.28E-07	3.10E-06	6.84E-07	9.87E-07	1.57E-06	2.76E-07	3.23E-07	7.06E-06
5404	483498.29	3854204.73	2.03E-02	2.21E-02	3.76E-02	7.03E-06	2.12E-05	1.23E-05	1.34E-05	1.21E-05	5.54E-06	9.40E-06	2.35E-07	5.67E-06	1.25E-06	1.82E-06	2.88E-06	5.08E-07	6.20E-07	1.30E-05
5405	484132.44	3854662.55	1.96E-02	2.12E-02	3.36E-02	6.80E-06	2.05E-05	1.19E-05	1.28E-05	1.16E-05	5.30E-06	8.42E-06	2.27E-07	5.48E-06	1.21E-06	1.74E-06	2.76E-06	4.87E-07	5.55E-07	1.25E-05
5406	484627.62	3854876.13	2.32E-02	2.50E-02	3.89E-02	8.04E-06	2.43E-05	1.40E-05	1.51E-05	1.37E-05	6.25E-06	9.74E-06	2.68E-07	6.48E-06	1.43E-06	2.05E-06	3.26E-06	5.74E-07	6.42E-07	1.47E-05
5407	484756.14	3854949.04	2.49E-02	2.68E-02	4.17E-02	8.61E-06	2.60E-05	1.51E-05	1.62E-05	1.47E-05	6.70E-06	1.04E-05	2.88E-07	6.95E-06	1.53E-06	2.20E-06	3.49E-06	6.15E-07	6.88E-07	1.58E-05
5408	486697.51	3856599.17	3.94E-02	4.26E-02	6.82E-02	1.36E-05	4.12E-05	2.39E-05	2.58E-05	2.34E-05	1.07E-05	1.71E-05	4.56E-07	1.10E-05	2.43E-06	3.50E-06	5.55E-06	9.79E-07	1.13E-06	2.50E-05
5409	487105.31	3856962.27	4.64E-02	5.01E-02	8.03E-02	1.60E-05	4.85E-05	2.80E-05	3.03E-05	2.75E-05	1.25E-05	2.01E-05	5.36E-07	1.29E-05	2.86E-06	4.12E-06	6.53E-06	1.15E-06	1.33E-06	2.95E-05
5410	487157.57	3856901.7	4.22E-02	4.56E-02	7.31E-02	1.46E-05	4.41E-05	2.55E-05	2.76E-05	2.50E-05	1.14E-05	1.83E-05	4.88E-07	1.18E-05	2.60E-06	3.75E-06	5.95E-06	1.05E-06	1.21E-06	2.68E-05
5411	487173.5	3856853.74	4.00E-02	4.32E-02	6.92E-02	1.38E-05	4.18E-05	2.42E-05	2.62E-05	2.37E-05	1.08E-05	1.73E-05	4.62E-07	1.12E-05	2.46E-06	3.55E-06	5.63E-06	9.93E-07	1.14E-06	2.54E-05
5412	487564.41	3856860.83	3.29E-02	3.56E-02	5.69E-02	1.14E-05	3.44E-05	1.99E-05	2.15E-05	1.95E-05	8.90E-06	1.42E-05	3.81E-07	9.19E-06	2.03E-06	2.92E-06	4.64E-06	8.17E-07	9.40E-07	2.09E-05
5413	487563.31	3856931.58	3.47E-02	3.75E-02	6.01E-02	1.20E-05	3.63E-05	2.10E-05	2.27E-05	2.06E-05	9.39E-06	1.50E-05	4.01E-07	9.69E-06	2.14E-06	3.08E-06	4.89E-06	8.62E-07	9.92E-07	2.21E-05
5414	487782.7	3856926.85	3.12E-02	3.37E-02	5.40E-02	1.08E-05	3.26E-05	1.89E-05	2.04E-05	1.85E-05	8.45E-06	1.35E-05	3.61E-07	8.72E-06	1.92E-06	2.77E-06	4.40E-06	7.75E-07	8.92E-07	1.98E-05
5415	487782.39	3856757.07	2.80E-02	3.03E-02	4.84E-02	9.69E-06	2.93E-05	1.69E-05	1.83E-05	1.66E-05	7.57E-06	1.21E-05	3.24E-07	7.82E-06	1.73E-06	2.49E-06	3.94E-06	6.95E-07	7.99E-07	1.78E-05
5416	487917.26	3856752.41	2.66E-02	2.88E-02	4.60E-02	9.21E-06	2.78E-05	1.61E-05	1.74E-05	1.58E-05	7.20E-06	1.15E-05	3.08E-07	7.43E-06	1.64E-06	2.36E-06	3.75E-06	6.60E-07	7.59E-07	1.69E-05
5417	487919.57	3856953.35	2.99E-02	3.23E-02	5.18E-02	1.04E-05	3.13E-05	1.81E-05	1.96E-05	1.77E-05	8.09E-06	1.30E-05	3.46E-07	8.35E-06	1.84E-06	2.66E-06	4.21E-06	7.43E-07	8.55E-07	1.90E-05
5418	487932.76	3857000.32	3.05E-02	3.30E-02	5.28E-02	1.06E-05	3.19E-05	1.85E-05	2.00E-05	1.81E-05	8.26E-06	1.32E-05	3.53E-07	8.52E-06	1.88E-06	2.71E-06	4.30E-06	7.58E-07	8.72E-07	1.94E-05
5419	487960.5	3857044.75	3.09E-02	3.34E-02	5.35E-02	1.07E-05	3.23E-05	1.87E-05	2.02E-05	1.83E-05	8.36E-06	1.34E-05	3.57E-07	8.63E-06	1.90E-06	2.74E-06	4.35E-06	7.67E-07	8.84E-07	1.96E-05
5420	488016.54	3857089.54	3.09E-02	3.34E-02	5.35E-02	1.07E-05	3.23E-05	1.87E-05	2.02E-05	1.83E-05	8.35E-06	1.34E-05	3.57E-07	8.62E-06	1.90E-06	2.74E-06	4.35E-06	7.67E-07	8.83E-07	1.96E-05
5421	488114.39	3857165.47	3.09E-02	3.34E-02	5.36E-02	1.07E-05	3.23E-05	1.87E-05	2.02E-05	1.83E-05	8.36E-06	1.34E-05	3.57E-07	8.63E-06	1.90E-06	2.74E-06	4.35E-06	7.67E-07	8.85E-07	1.96E-05

5422	488171.49	3857234.24	3.11E-02	3.37E-02	5.41E-02	1.08E-05	3.25E-05	1.88E-05	2.04E-05	1.85E-05	8.43E-06	1.35E-05	3.60E-07	8.69E-06	1.92E-06	2.77E-06	4.39E-06	7.73E-07	8.93E-07	1.98E-05
5423	488193.16	3857297.8	3.18E-02	3.44E-02	5.53E-02	1.10E-05	3.33E-05	1.93E-05	2.08E-05	1.89E-05	8.61E-06	1.38E-05	3.68E-07	8.88E-06	1.96E-06	2.83E-06	4.48E-06	7.90E-07	9.13E-07	2.02E-05
5424	488189.27	3857649.94	3.78E-02	4.09E-02	6.59E-02	1.31E-05	3.95E-05	2.29E-05	2.47E-05	2.24E-05	1.02E-05	1.65E-05	4.37E-07	1.06E-05	2.33E-06	3.36E-06	5.33E-06	9.39E-07	1.09E-06	2.40E-05
5425	488127.43	3857732.32	4.13E-02	4.47E-02	7.23E-02	1.43E-05	4.32E-05	2.50E-05	2.71E-05	2.45E-05	1.12E-05	1.81E-05	4.78E-07	1.15E-05	2.55E-06	3.67E-06	5.83E-06	1.03E-06	1.19E-06	2.63E-05
5426	488149.93	3857752.94	4.10E-02	4.44E-02	7.18E-02	1.42E-05	4.29E-05	2.48E-05	2.69E-05	2.44E-05	1.11E-05	1.80E-05	4.74E-07	1.15E-05	2.53E-06	3.65E-06	5.79E-06	1.02E-06	1.19E-06	2.61E-05
5427	488144.76	3857758.71	4.13E-02	4.48E-02	7.24E-02	1.43E-05	4.32E-05	2.50E-05	2.71E-05	2.45E-05	1.12E-05	1.81E-05	4.78E-07	1.15E-05	2.55E-06	3.68E-06	5.83E-06	1.03E-06	1.19E-06	2.63E-05
5428	488335.58	3857932.55	3.79E-02	4.11E-02	6.63E-02	1.31E-05	3.96E-05	2.30E-05	2.48E-05	2.25E-05	1.03E-05	1.66E-05	4.38E-07	1.06E-05	2.34E-06	3.37E-06	5.35E-06	9.43E-07	1.10E-06	2.41E-05
5429	488372.29	3857943.79	3.69E-02	4.00E-02	6.46E-02	1.28E-05	3.86E-05	2.24E-05	2.42E-05	2.19E-05	1.00E-05	1.62E-05	4.27E-07	1.03E-05	2.28E-06	3.28E-06	5.21E-06	9.18E-07	1.07E-06	2.35E-05
5430	488828.64	3857936.4	2.69E-02	2.91E-02	4.69E-02	9.32E-06	2.81E-05	1.63E-05	1.76E-05	1.60E-05	7.29E-06	1.17E-05	3.11E-07	7.52E-06	1.66E-06	2.39E-06	3.79E-06	6.69E-07	7.73E-07	1.71E-05
5431	488829.08	3857959.58	2.70E-02	2.92E-02	4.69E-02	9.34E-06	2.82E-05	1.63E-05	1.76E-05	1.60E-05	7.30E-06	1.17E-05	3.12E-07	7.53E-06	1.66E-06	2.40E-06	3.80E-06	6.70E-07	7.75E-07	1.71E-05
5432	488351.61	3857964.55	3.78E-02	4.09E-02	6.62E-02	1.31E-05	3.95E-05	2.29E-05	2.48E-05	2.25E-05	1.02E-05	1.66E-05	4.37E-07	1.06E-05	2.33E-06	3.36E-06	5.34E-06	9.40E-07	1.09E-06	2.41E-05
5433	488316.87	3857947.65	3.87E-02	4.19E-02	6.78E-02	1.34E-05	4.05E-05	2.34E-05	2.54E-05	2.30E-05	1.05E-05	1.70E-05	4.48E-07	1.08E-05	2.39E-06	3.44E-06	5.46E-06	9.63E-07	1.12E-06	2.46E-05
5434	488129.1	3857775.77	4.23E-02	4.58E-02	7.41E-02	1.46E-05	4.42E-05	2.56E-05	2.77E-05	2.51E-05	1.15E-05	1.85E-05	4.89E-07	1.18E-05	2.60E-06	3.76E-06	5.96E-06	1.05E-06	1.22E-06	2.69E-05
5435	488062.53	3857846.13	4.67E-02	5.06E-02	8.22E-02	1.62E-05	4.88E-05	2.83E-05	3.06E-05	2.77E-05	1.27E-05	2.06E-05	5.40E-07	1.30E-05	2.88E-06	4.16E-06	6.59E-06	1.16E-06	1.36E-06	2.97E-05
5436	488330.41	3858091.34	4.07E-02	4.41E-02	7.15E-02	1.41E-05	4.25E-05	2.46E-05	2.67E-05	2.42E-05	1.10E-05	1.79E-05	4.71E-07	1.14E-05	2.51E-06	3.62E-06	5.74E-06	1.01E-06	1.18E-06	2.59E-05
5437	488470.87	3858174.45	3.62E-02	3.91E-02	6.32E-02	1.25E-05	3.78E-05	2.19E-05	2.37E-05	2.15E-05	9.80E-06	1.58E-05	4.18E-07	1.01E-05	2.23E-06	3.22E-06	5.10E-06	8.99E-07	1.04E-06	2.30E-05
5438	488568.9	3858262.31	3.20E-02	3.46E-02	5.56E-02	1.11E-05	3.35E-05	1.94E-05	2.09E-05	1.90E-05	8.66E-06	1.39E-05	3.70E-07	8.94E-06	1.97E-06	2.84E-06	4.51E-06	7.95E-07	9.17E-07	2.04E-05
5439	488964.27	3858025.71	2.48E-02	2.68E-02	4.32E-02	8.59E-06	2.59E-05	1.50E-05	1.62E-05	1.47E-05	6.72E-06	1.08E-05	2.87E-07	6.93E-06	1.53E-06	2.21E-06	3.50E-06	6.17E-07	7.13E-07	1.58E-05
5440	489147.25	3857956.64	2.26E-02	2.44E-02	3.93E-02	7.81E-06	2.36E-05	1.37E-05	1.48E-05	1.34E-05	6.11E-06	9.83E-06	2.61E-07	6.30E-06	1.39E-06	2.01E-06	3.18E-06	5.61E-07	6.48E-07	1.43E-05
5441	489343.52	3857932.45	2.05E-02	2.22E-02	3.57E-02	7.10E-06	2.14E-05	1.24E-05	1.34E-05	1.22E-05	5.55E-06	8.93E-06	2.37E-07	5.72E-06	1.26E-06	1.82E-06	2.89E-06	5.09E-07	5.89E-07	1.30E-05
5442	489866.19	3857923.19	1.62E-02	1.75E-02	2.82E-02	5.62E-06	1.70E-05	9.82E-06	1.06E-05	9.62E-06	4.39E-06	7.05E-06	1.88E-07	4.53E-06	1.00E-06	1.44E-06	2.29E-06	4.03E-07	4.65E-07	1.03E-05
5443	489955.65	3857902.27	1.57E-02	1.70E-02	2.72E-02	5.43E-06	1.64E-05	9.49E-06	1.03E-05	9.30E-06	4.24E-06	6.82E-06	1.81E-07	4.38E-06	9.66E-07	1.39E-06	2.21E-06	3.90E-07	4.50E-07	9.97E-06
5444	490079.44	3857847.9	1.51E-02	1.63E-02	2.62E-02	5.23E-06	1.58E-05	9.13E-06	9.87E-06	8.95E-06	4.08E-06	6.56E-06	1.74E-07	4.21E-06	9.30E-07	1.34E-06	2.13E-06	3.75E-07	4.33E-07	9.59E-06
5445	490108.49	3857934.13	1.47E-02	1.59E-02	2.55E-02	5.09E-06	1.54E-05	8.89E-06	9.61E-06	8.71E-06	3.98E-06	6.38E-06	1.70E-07	4.10E-06	9.05E-07	1.30E-06	2.07E-06	3.65E-07	4.21E-07	9.34E-06
5446	489884.48	3858014.17	1.58E-02	1.71E-02	2.74E-02	5.47E-06	1.65E-05	9.55E-06	1.03E-05	9.36E-06	4.27E-06	6.86E-06	1.83E-07	4.41E-06	9.73E-07	1.40E-06	2.22E-06	3.92E-07	4.52E-07	1.00E-05
5447	489326.56	3858025.86	2.04E-02	2.20E-02	3.54E-02	7.05E-06	2.13E-05	1.23E-05	1.33E-05	1.21E-05	5.51E-06	8.86E-06	2.35E-07	5.69E-06	1.26E-06	1.81E-06	2.87E-06	5.06E-07	5.85E-07	1.29E-05
5448	489130.38	3858056.71	2.25E-02	2.43E-02	3.92E-02	7.79E-06	2.35E-05	1.36E-05	1.47E-05	1.34E-05	6.09E-06	9.80E-06	2.60E-07	6.28E-06	1.39E-06	2.00E-06	3.17E-06	5.59E-07	6.46E-07	1.43E-05
5449	488936.49	3858143.93	2.48E-02	2.68E-02	4.30E-02	8.57E-06	2.59E-05	1.50E-05	1.62E-05	1.47E-05	6.70E-06	1.08E-05	2.86E-07	6.91E-06	1.53E-06	2.20E-06	3.49E-06	6.15E-07	7.10E-07	1.57E-05
5450	488638.08	3858327.45	2.88E-02	3.11E-02	4.96E-02	9.95E-06	3.01E-05	1.74E-05	1.88E-05	1.70E-05	7.77E-06	1.24E-05	3.32E-07	8.03E-06	1.77E-06	2.55E-06	4.05E-06	7.14E-07	8.19E-07	1.83E-05
5451	488663.79	3858349.57	2.76E-02	2.98E-02	4.74E-02	9.54E-06	2.88E-05	1.67E-05	1.80E-05	1.63E-05	7.45E-06	1.19E-05	3.19E-07	7.70E-06	1.70E-06	2.45E-06	3.88E-06	6.84E-07	7.83E-07	1.75E-05
5452	488694.56	3858349.5	2.68E-02	2.90E-02	4.61E-02	9.28E-06	2.80E-05	1.62E-05	1.75E-05	1.59E-05	7.25E-06	1.15E-05	3.10E-07	7.49E-06	1.65E-06	2.38E-06	3.77E-06	6.65E-07	7.61E-07	1.70E-05
5453	488694.35	3858336.75	2.71E-02	2.93E-02	4.67E-02	9.38E-06	2.83E-05	1.64E-05	1.77E-05	1.61E-05	7.33E-06	1.17E-05	3.13E-07	7.57E-06	1.67E-06	2.41E-06	3.82E-06	6.72E-07	7.71E-07	1.72E-05
5454	488712.81	3858336.38	2.67E-02	2.88E-02	4.60E-02	9.24E-06	2.79E-05	1.61E-05	1.74E-05	1.58E-05	7.21E-06	1.15E-05	3.08E-07	7.45E-06	1.64E-06	2.37E-06	3.76E-06	6.62E-07	7.59E-07	1.69E-05
5455	488713.23	3858367.46	2.59E-02	2.80E-02	4.45E-02	8.98E-06	2.71E-05	1.57E-05	1.69E-05	1.54E-05	7.01E-06	1.11E-05	3.00E-07	7.24E-06	1.60E-06	2.30E-06	3.65E-06	6.43E-07	7.35E-07	1.65E-05
5456	488704.63	3858384.05	2.57E-02	2.77E-02	4.40E-02	8.90E-06	2.69E-05	1.56E-05	1.68E-05	1.52E-05	6.94E-06	1.10E-05	2.97E-07	7.18E-06	1.58E-06	2.28E-06	3.62E-06	6.37E-07	7.26E-07	1.63E-05
5457	488604.15	3858488.29	2.48E-02	2.67E-02	4.10E-02	8.59E-06	2.59E-05	1.50E-05	1.61E-05	1.46E-05	6.67E-06	1.03E-05	2.87E-07	6.93E-06	1.53E-06	2.19E-06	3.48E-06	6.12E-07	6.77E-07	1.57E-05
5458	488605.66	3858550.47	2.31E-02	2.47E-02	3.68E-02	8.00E-06	2.42E-05	1.40E-05	1.50E-05	1.36E-05	6.19E-06	9.21E-06	2.67E-07	6.46E-06	1.42E-06	2.03E-06	3.22E-06	5.68E-07	6.08E-07	1.46E-05
5459	488692.68	3858548.71	2.16E-02	2.31E-02	3.48E-02	7.47E-06	2.26E-05	1.31E-05	1.40E-05	1.27E-05	5.79E-06	8.71E-06	2.49E-07	6.03E-06	1.33E-06	1.90E-06	3.01E-06	5.31E-07	5.74E-07	1.36E-05
5460	488759.93	3858461.81	2.26E-02	2.43E-02	3.79E-02	7.83E-06	2.36E-05	1.37E-05	1.47E-05	1.34E-05	6.09E-06	9.50E-06	2.61E-07	6.31E-06	1.39E-06	2.00E-06	3.17E-06	5.59E-07	6.26E-07	1.43E-05
5461	488816.57	3858541.79	2.00E-02	2.14E-02	3.27E-02	6.91E-06	2.09E-05	1.21E-05	1.30E-05	1.18E-05	5.36E-06	8.17E-06	2.31E-07	5.57E-06	1.23E-06	1.76E-06	2.79E-06	4.92E-07	5.39E-07	1.26E-05
5462	488944.63	3858656.77	1.69E-02	1.80E-02	2.66E-02	5.84E-06	1.76E-05	1.02E-05	1.09E-05	9.89E-06	4.51E-06	6.66E-06	1.95E-07	4.71E-06	1.04E-06	1.48E-06	2.35E-06	4.14E-07	4.39E-07	1.06E-05
5463	489134.91	3858830.7	1.33E-02	1.41E-02	2.03E-02	4.59E-06	1.39E-05	8.03E-06	8.56E-06	7.76E-06	3.54E-06	5.09E-06	1.53E-07	3.71E-06	8.18E-07	1.16E-06	1.84E-06	3.25E-07	3.36E-07	8.34E-06
5464	489193.99	3858886.05	1.17E-02	1.25E-02	1.82E-02	4.05E-06	1.22E-05	7.07E-06	7.55E-06	6.84E-06	3.12E-06	4.55E-06	1.35E-07	3.26E-06	7.20E-07	1.02E-06	1.63E-06	2.86E-07	3.00E-07	7.35E-06
5465	489295.2	3858954.34	9.89E-03	1.06E-02	1.58E-02	3.42E-06	1.03E-05	5.98E-06	6.41E-06	5.81E-06	2.65E-06	3.95E-06	1.14E-07	2.76E-06	6.09E-07	8.70E-07	1.38E-06	2.43E-07	2.61E-07	6.24E-06
5466	489295.64	3858992.74	9.25E-03	9.91E-03	1.49E-02	3.20E-06	9.67E-06	5.60E-06	6.00E-06	5.43E-06	2.48E-06	3.72E-06	1.07E-07	2.58E-06	5.70E-07	8.14E-07	1.29E-06	2.28E-07	2.45E-07	5.84E-06
5467	489183.74	3858911.72	1.12E-02	1.20E-02	1.75E-02	3.89E-06	1.17E-05	6.80E-06	7.25E-06	6.58E-06	3.00E-06	4.38E-06	1.30E-07	3.14E-06	6.92E-07	9.85E-07	1.56E-06	2.75E-07	2.89E-07	7.07E-06
5468	488873.37	3858625.59	1.80E-02	1.92E-02	2.85E-02	6.22E-06	1.88E-05	1.09E-05	1.16E-05	1.05E-05	4.81E-06	7.13E-06	2.08E-07	5.02E-06	1.11E-06	1.58E-06	2.51E-06	4.42E-07	4.70E-07	1.13E-05
5469	488842.84	3858658.69	1.80E-02	1.92E-02	2.79E-02	6.24E-06	1.88E-05	1.09E-05	1.16E-05	1.05E-05	4.81E-06	6.98E-06	2.08E-07	5.03E-06	1.11E-06	1.58E-06	2.51E-06	4.42E-07	4.60E-07	1.13E-05
5470	488856.39	3858670.93	1.78E-02	1.90E-02	2.74E-02	6.16E-06	1.86E-05	1.08E-05	1.15E-05	1.04E-05	4.74E-06	6.86E-06	2.06E-07	4.97E-06	1.10E-06	1.56E-06	2.47E-06	4.35E-07	4.52E-07	1.12E-05
5471	488805.7	3858724.5	1.88E-02	1.99E-02	2.74E-02	6.50E-06	1.96E-05	1.14E-05	1.20E-05	1.09E-05	4.98E-06	6.85E-06	2.17E-07	5.24E-06	1.16E-06	1.63E-06	2.59E-06	4.57E-07	4.52E-07	1.17E-05
5472	488805.87	3858804.16	2.16E-02	2.27E-02	2.88E-02	7.49E-06	2.26E-05	1.31E-05	1.37E-05	1.25E-05	5.68E-06	7.21E-06	2.50E-07	6.04E-06	1.33E-06	1.87E-06	2.96E-06	5.21E-07	4.75E-07	1.34E-05
5473	488995.78	3858936.96	1.21E-02	1.29E-02	1.80E-02	4.19E-06	1.27E-05	7.33E-06	7.78E-06	7.06E-06	3.22E-06	4.51E-06	1.40E-07	3.38E-06	7.46E-07	1.06E-06	1.68E-06	2.95E-07	2.98E-07	7.60E-06
5474	489130.76	3859017.38	9.09E-03	9.72E-03	1.44E-02	3.15E-06	9.50E-06	5.50E-06	5.88E-06	5.33E-06	2.43E-06	3.62E-06	1.05E-07	2.54E-06	5.60E-07	7.99E-07	1.27E-06	2.23E-07	2.39E-07	5.73E-06
5475	489130.92	3859052.24	8.41E-03	9.01E-03	1.35E-02	2.91E-06	8.79E-06	5.09E-06	5.45E-06	4.94E-06	2.25E-06	3.38E-06	9.72E-08	2.35E-06	5.18E-07	7.40E-07	1.17E-06	2.07E-07	2.23E-07	5.31E-06
5476	489200.33	3859090.6	7.80E-03	8.36E-03	1.27E-02	2.70E-06	8.15E-06	4.72E-06	5.06E-06	4.59E-06	2.09E-06	3.17E-06	9.01E-08	2.18E-06	4.80E-07	6.87E-07	1.09E-06	1.92E-07	2.09E-07	4.93E-06
5477	489296.07	3859143.7	7.14E-03	7.66E-03	1.17E-02	2.47E-06	7.46E-06	4.32E-06	4.64E-06	4.20E-06	1.92E-06	2.93E-06	8.25E-08	1.99E-06	4.40E-07	6.30E-07	9.99E-07	1.76E-07	1.94E-07	4.51E-06
5478	489296.43	3858954.74	9.88E-03	1.06E-02	1.58E-02	3.42E-06	1.03E-05	5.98E-06	6.40E-06	5.80E-06	2.65E-06	3.95E-06	1.14E-07	2.76E-06	6.09E-07	8.69E-07	1.38E-06	2.43E-07	2.61E-07	6.23E-06
5479	489410.33	3859033.19	8.48E-03	9.09E-03	1.38E-02	2.93E-06	8.86E-06	5.13E-06	5.50E-06	4.99E-06	2.28E-06	3.46E-06	9.80E-08	2.37E-06	5.22E-07	7.47E-07	1.19E-06	2.09E-07	2.28E-07	5.36E-06
5480	489371.37	3859089.8	7.79E-03	8.36E-03	1.27E-02	2.70E-06	8.14E-06	4.71E-06	5.06E-06	4.59E-06	2.09E-06	3.19E-06	9.00E-08	2.17E-06	4.80E-07	6.87E-07	1.09E-06	1.92E-07	2.10E-07	4.92E-06

5481	489390.52	3859102.82	7.62E-03	8.19E-03	1.25E-02	2.64E-06	7.97E-06	4.61E-06	4.95E-06	4.49E-06	2.05E-06	3.13E-06	8.81E-08	2.13E-06	4.70E-07	6.73E-07	1.07E-06	1.88E-07	2.06E-07	4.82E-06
5482	489382.3	3859114.53	7.49E-03	8.04E-03	1.23E-02	2.59E-06	7.83E-06	4.53E-06	4.87E-06	4.41E-06	2.01E-06	3.08E-06	8.66E-08	2.09E-06	4.62E-07	6.61E-07	1.05E-06	1.85E-07	2.03E-07	4.74E-06
5483	489363.04	3859102.45	7.64E-03	8.20E-03	1.25E-02	2.64E-06	7.98E-06	4.62E-06	4.96E-06	4.50E-06	2.05E-06	3.13E-06	8.83E-08	2.13E-06	4.71E-07	6.74E-07	1.07E-06	1.88E-07	2.06E-07	4.83E-06
5484	489337.52	3859140.71	7.18E-03	7.72E-03	1.18E-02	2.49E-06	7.51E-06	4.35E-06	4.67E-06	4.23E-06	1.93E-06	2.96E-06	8.30E-08	2.01E-06	4.43E-07	6.34E-07	1.01E-06	1.77E-07	1.95E-07	4.54E-06
5485	489375.14	3859164.55	6.93E-03	7.45E-03	1.14E-02	2.40E-06	7.25E-06	4.20E-06	4.51E-06	4.09E-06	1.86E-06	2.86E-06	8.02E-08	1.94E-06	4.27E-07	6.12E-07	9.71E-07	1.71E-07	1.89E-07	4.39E-06
5486	489409.3	3859114.5	7.49E-03	8.04E-03	1.23E-02	2.59E-06	7.82E-06	4.53E-06	4.86E-06	4.41E-06	2.01E-06	3.08E-06	8.65E-08	2.09E-06	4.61E-07	6.60E-07	1.05E-06	1.85E-07	2.03E-07	4.73E-06
5487	489434.87	3859131.81	7.29E-03	7.83E-03	1.20E-02	2.52E-06	7.62E-06	4.41E-06	4.74E-06	4.30E-06	1.96E-06	3.01E-06	8.43E-08	2.04E-06	4.49E-07	6.43E-07	1.02E-06	1.80E-07	1.98E-07	4.61E-06
5488	489471.87	3859075.75	7.90E-03	8.48E-03	1.30E-02	2.73E-06	8.26E-06	4.78E-06	5.13E-06	4.65E-06	2.12E-06	3.25E-06	9.13E-08	2.21E-06	4.87E-07	6.97E-07	1.11E-06	1.95E-07	2.14E-07	4.99E-06
5489	489602.62	3859164.69	6.94E-03	7.47E-03	1.15E-02	2.40E-06	7.26E-06	4.20E-06	4.52E-06	4.09E-06	1.87E-06	2.88E-06	8.03E-08	1.94E-06	4.28E-07	6.13E-07	9.73E-07	1.71E-07	1.90E-07	4.39E-06
5490	489558.29	3859232.45	6.36E-03	6.84E-03	1.06E-02	2.20E-06	6.64E-06	3.85E-06	4.14E-06	3.75E-06	1.71E-06	2.65E-06	7.35E-08	1.77E-06	3.92E-07	5.62E-07	8.91E-07	1.57E-07	1.75E-07	4.02E-06
5491	489620.11	3859273.56	6.04E-03	6.50E-03	1.01E-02	2.09E-06	6.31E-06	3.65E-06	3.93E-06	3.56E-06	1.63E-06	2.52E-06	6.98E-08	1.69E-06	3.72E-07	5.34E-07	8.47E-07	1.49E-07	1.66E-07	3.83E-06
5492	489666.06	3859206.42	6.58E-03	7.07E-03	1.10E-02	2.28E-06	6.87E-06	3.98E-06	4.28E-06	3.88E-06	1.77E-06	2.74E-06	7.60E-08	1.84E-06	4.05E-07	5.81E-07	9.22E-07	1.62E-07	1.81E-07	4.16E-06
5493	489787.9	3859285.65	5.98E-03	6.44E-03	1.00E-02	2.07E-06	6.26E-06	3.62E-06	3.90E-06	3.53E-06	1.61E-06	2.51E-06	6.92E-08	1.67E-06	3.69E-07	5.29E-07	8.40E-07	1.48E-07	1.65E-07	3.79E-06
5494	489752.17	3859343.13	5.59E-03	6.02E-03	9.37E-03	1.94E-06	5.84E-06	3.38E-06	3.64E-06	3.30E-06	1.51E-06	2.35E-06	6.46E-08	1.56E-06	3.44E-07	4.94E-07	7.84E-07	1.38E-07	1.55E-07	3.54E-06
5495	489814.94	3859385.33	5.35E-03	5.76E-03	8.98E-03	1.85E-06	5.59E-06	3.24E-06	3.48E-06	3.16E-06	1.44E-06	2.25E-06	6.18E-08	1.49E-06	3.29E-07	4.73E-07	7.50E-07	1.32E-07	1.48E-07	3.39E-06
5496	489853.42	3859330.74	5.69E-03	6.13E-03	9.56E-03	1.97E-06	5.95E-06	3.45E-06	3.71E-06	3.36E-06	1.53E-06	2.39E-06	6.58E-08	1.59E-06	3.51E-07	5.04E-07	7.99E-07	1.41E-07	1.58E-07	3.61E-06
5497	489969.5	3859401.91	5.29E-03	5.70E-03	8.90E-03	1.83E-06	5.53E-06	3.20E-06	3.45E-06	3.13E-06	1.43E-06	2.23E-06	6.12E-08	1.48E-06	3.26E-07	4.68E-07	7.43E-07	1.31E-07	1.47E-07	3.35E-06
5498	490166.91	3859486.96	4.88E-03	5.25E-03	8.23E-03	1.69E-06	5.10E-06	2.95E-06	3.18E-06	2.88E-06	1.32E-06	2.06E-06	5.64E-08	1.36E-06	3.00E-07	4.32E-07	6.85E-07	1.21E-07	1.36E-07	3.09E-06
5499	490128.86	3859571.46	4.47E-03	4.82E-03	7.55E-03	1.55E-06	4.67E-06	2.71E-06	2.92E-06	2.64E-06	1.21E-06	1.89E-06	5.17E-08	1.25E-06	2.76E-07	3.96E-07	6.28E-07	1.11E-07	1.25E-07	2.84E-06
5500	490186.65	3859593.65	4.39E-03	4.74E-03	7.43E-03	1.52E-06	4.59E-06	2.66E-06	2.87E-06	2.60E-06	1.19E-06	1.86E-06	5.08E-08	1.23E-06	2.71E-07	3.89E-07	6.17E-07	1.09E-07	1.23E-07	2.79E-06
5501	490223.74	3859517.48	4.74E-03	5.11E-03	8.02E-03	1.64E-06	4.96E-06	2.87E-06	3.09E-06	2.80E-06	1.28E-06	2.01E-06	5.48E-08	1.32E-06	2.92E-07	4.20E-07	6.66E-07	1.17E-07	1.32E-07	3.01E-06
5502	490846.34	3859817.22	3.79E-03	4.08E-03	6.44E-03	1.31E-06	3.96E-06	2.29E-06	2.47E-06	2.24E-06	1.02E-06	1.61E-06	4.38E-08	1.06E-06	2.33E-07	3.35E-07	5.32E-07	9.38E-08	1.06E-07	2.40E-06
5503	490925.65	3859844.59	3.72E-03	4.01E-03	6.34E-03	1.29E-06	3.89E-06	2.25E-06	2.43E-06	2.20E-06	1.00E-06	1.59E-06	4.30E-08	1.04E-06	2.29E-07	3.30E-07	5.23E-07	9.22E-08	1.05E-07	2.36E-06
5504	491159.29	3859896.28	3.59E-03	3.87E-03	6.12E-03	1.24E-06	3.75E-06	2.17E-06	2.34E-06	2.13E-06	9.70E-07	1.53E-06	4.15E-08	1.00E-06	2.21E-07	3.18E-07	5.05E-07	8.90E-08	1.01E-07	2.28E-06
5505	491370.69	3859960.89	3.42E-03	3.69E-03	5.83E-03	1.18E-06	3.58E-06	2.07E-06	2.23E-06	2.02E-06	9.24E-07	1.46E-06	3.95E-08	9.55E-07	2.11E-07	3.03E-07	4.81E-07	8.48E-08	9.63E-08	2.17E-06
5506	491330.28	3860063.17	3.16E-03	3.41E-03	5.39E-03	1.09E-06	3.30E-06	1.91E-06	2.06E-06	1.87E-06	8.54E-07	1.35E-06	3.65E-08	8.83E-07	1.95E-07	2.80E-07	4.44E-07	7.83E-08	8.89E-08	2.01E-06
5507	491636.45	3860180.75	2.96E-03	3.19E-03	5.05E-03	1.02E-06	3.09E-06	1.79E-06	1.93E-06	1.75E-06	7.99E-07	1.26E-06	3.42E-08	8.26E-07	1.82E-07	2.62E-07	4.16E-07	7.33E-08	8.34E-08	1.88E-06
5508	491617.94	3860203.93	2.91E-03	3.14E-03	4.96E-03	1.01E-06	3.04E-06	1.76E-06	1.90E-06	1.72E-06	7.86E-07	1.24E-06	3.36E-08	8.12E-07	1.79E-07	2.58E-07	4.09E-07	7.21E-08	8.19E-08	1.85E-06
5509	491805.68	3860271.59	2.80E-03	3.03E-03	4.79E-03	9.71E-07	2.93E-06	1.70E-06	1.83E-06	1.66E-06	7.57E-07	1.20E-06	3.24E-08	7.83E-07	1.73E-07	2.49E-07	3.94E-07	6.95E-08	7.90E-08	1.78E-06
5510	491654.23	3860414.02	2.53E-03	2.73E-03	4.32E-03	8.76E-07	2.64E-06	1.53E-06	1.65E-06	1.50E-06	6.83E-07	1.08E-06	2.93E-08	7.07E-07	1.56E-07	2.24E-07	3.56E-07	6.27E-08	7.12E-08	1.61E-06
5511	491592.62	3860510.76	2.34E-03	2.53E-03	4.00E-03	8.11E-07	2.45E-06	1.42E-06	1.53E-06	1.39E-06	6.33E-07	1.00E-06	2.71E-08	6.54E-07	1.44E-07	2.08E-07	3.29E-07	5.81E-08	6.60E-08	1.49E-06
5512	491475.41	3860368.93	2.55E-03	2.75E-03	4.34E-03	8.81E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.87E-07	1.09E-06	2.94E-08	7.11E-07	1.57E-07	2.26E-07	3.58E-07	6.31E-08	7.16E-08	1.62E-06
5513	491445.61	3860337.28	2.59E-03	2.80E-03	4.42E-03	8.98E-07	2.71E-06	1.57E-06	1.69E-06	1.54E-06	7.01E-07	1.11E-06	3.00E-08	7.25E-07	1.60E-07	2.30E-07	3.65E-07	6.43E-08	7.30E-08	1.65E-06
5514	491399.05	3860300.37	2.66E-03	2.87E-03	4.53E-03	9.20E-07	2.78E-06	1.61E-06	1.73E-06	1.57E-06	7.17E-07	1.13E-06	3.07E-08	7.42E-07	1.64E-07	2.35E-07	3.74E-07	6.58E-08	7.47E-08	1.69E-06
5515	491228.84	3860235.98	2.74E-03	2.96E-03	4.67E-03	9.50E-07	2.87E-06	1.66E-06	1.79E-06	1.62E-06	7.41E-07	1.17E-06	3.17E-08	7.66E-07	1.69E-07	2.43E-07	3.86E-07	6.80E-08	7.71E-08	1.74E-06
5516	491228.47	3860174.57	2.88E-03	3.10E-03	4.90E-03	9.96E-07	3.01E-06	1.74E-06	1.88E-06	1.70E-06	7.77E-07	1.23E-06	3.33E-08	8.04E-07	1.77E-07	2.55E-07	4.05E-07	7.13E-08	8.09E-08	1.83E-06
5517	491145.77	3860112.55	3.01E-03	3.25E-03	5.12E-03	1.04E-06	3.14E-06	1.82E-06	1.96E-06	1.78E-06	8.12E-07	1.28E-06	3.48E-08	8.40E-07	1.85E-07	2.67E-07	4.23E-07	7.45E-08	8.45E-08	1.91E-06
5518	490844.41	3859966.22	3.34E-03	3.60E-03	5.68E-03	1.16E-06	3.49E-06	2.02E-06	2.18E-06	1.97E-06	9.01E-07	1.42E-06	3.86E-08	9.32E-07	2.06E-07	2.96E-07	4.69E-07	8.27E-08	9.37E-08	2.12E-06
5519	490845.55	3859928.15	3.45E-03	3.72E-03	5.86E-03	1.19E-06	3.60E-06	2.08E-06	2.25E-06	2.04E-06	9.30E-07	1.47E-06	3.98E-08	9.62E-07	2.12E-07	3.05E-07	4.84E-07	8.53E-08	9.67E-08	2.19E-06
5520	490046.91	3859625.6	4.21E-03	4.54E-03	7.12E-03	1.46E-06	4.40E-06	2.55E-06	2.75E-06	2.49E-06	1.14E-06	1.78E-06	4.87E-08	1.18E-06	2.60E-07	3.73E-07	5.92E-07	1.04E-07	1.18E-07	2.67E-06
5521	489970.48	3859589.4	4.34E-03	4.68E-03	7.34E-03	1.50E-06	4.54E-06	2.63E-06	2.83E-06	2.57E-06	1.17E-06	1.84E-06	5.02E-08	1.21E-06	2.68E-07	3.85E-07	6.10E-07	1.08E-07	1.21E-07	2.75E-06
5522	489865.89	3859529.06	4.59E-03	4.94E-03	7.74E-03	1.59E-06	4.79E-06	2.78E-06	2.99E-06	2.71E-06	1.24E-06	1.94E-06	5.30E-08	1.28E-06	2.83E-07	4.06E-07	6.44E-07	1.14E-07	1.28E-07	2.91E-06
5523	489826.89	3859531.74	4.56E-03	4.92E-03	7.70E-03	1.58E-06	4.77E-06	2.76E-06	2.97E-06	2.70E-06	1.23E-06	1.93E-06	5.27E-08	1.27E-06	2.81E-07	4.04E-07	6.41E-07	1.13E-07	1.27E-07	2.89E-06
5524	489410.47	3859303.06	5.72E-03	6.16E-03	9.57E-03	1.98E-06	5.98E-06	3.46E-06	3.73E-06	3.38E-06	1.54E-06	2.39E-06	6.62E-08	1.60E-06	3.53E-07	5.06E-07	8.03E-07	1.41E-07	1.58E-07	3.63E-06
5525	489407.15	3859286.09	5.85E-03	6.29E-03	9.76E-03	2.02E-06	6.11E-06	3.54E-06	3.81E-06	3.45E-06	1.57E-06	2.44E-06	6.76E-08	1.63E-06	3.60E-07	5.17E-07	8.20E-07	1.45E-07	1.61E-07	3.70E-06
5526	488806.07	3858963.62	1.07E-02	1.14E-02	1.63E-02	3.70E-06	1.12E-05	6.47E-06	6.88E-06	6.24E-06	2.85E-06	4.08E-06	1.24E-07	2.98E-06	6.58E-07	9.35E-07	1.48E-06	2.61E-07	2.69E-07	6.71E-06
5527	488817.64	3859546.3	4.72E-03	5.08E-03	7.94E-03	1.63E-06	4.93E-06	2.85E-06	3.07E-06	2.79E-06	1.27E-06	1.99E-06	5.45E-08	1.32E-06	2.91E-07	4.17E-07	6.62E-07	1.17E-07	1.31E-07	2.99E-06
5528	489187.25	3859549.52	4.64E-03	5.00E-03	7.82E-03	1.61E-06	4.85E-06	2.81E-06	3.02E-06	2.74E-06	1.25E-06	1.96E-06	5.36E-08	1.30E-06	2.86E-07	4.11E-07	6.51E-07	1.15E-07	1.29E-07	2.94E-06
5529	489187.66	3859523.74	4.73E-03	5.10E-03	7.97E-03	1.64E-06	4.95E-06	2.86E-06	3.08E-06	2.80E-06	1.28E-06	1.99E-06	5.47E-08	1.32E-06	2.92E-07	4.19E-07	6.64E-07	1.17E-07	1.32E-07	3.00E-06
5530	489232.59	3859522.85	4.72E-03	5.08E-03	7.95E-03	1.63E-06	4.93E-06	2.86E-06	3.08E-06	2.79E-06	1.27E-06	1.99E-06	5.45E-08	1.32E-06	2.91E-07	4.18E-07	6.62E-07	1.17E-07	1.31E-07	2.99E-06
5531	489224.98	3859759.91	3.99E-03	4.30E-03	6.75E-03	1.38E-06	4.17E-06	2.41E-06	2.60E-06	2.36E-06	1.08E-06	1.69E-06	4.61E-08	1.11E-06	2.46E-07	3.53E-07	5.60E-07	9.87E-08	1.11E-07	2.53E-06
5532	488401.39	3859763.34	3.82E-03	4.11E-03	6.42E-03	1.32E-06	3.99E-06	2.31E-06	2.49E-06	2.26E-06	1.03E-06	1.61E-06	4.41E-08	1.07E-06	2.35E-07	3.38E-07	5.36E-07	9.44E-08	1.06E-07	2.42E-06
5533	488405.51	3859966.16	3.31E-03	3.56E-03	5.57E-03	1.14E-06	3.46E-06	2.00E-06	2.15E-06	1.95E-06	8.91E-07	1.39E-06	3.82E-08	9.23E-07	2.04E-07	2.93E-07	4.64E-07	8.18E-08	9.19E-08	2.10E-06
5534	489202.85	3859956.57	3.50E-03	3.78E-03	5.94E-03	1.21E-06	3.66E-06	2.12E-06	2.29E-06	2.07E-06	9.45E-07	1.49E-06	4.05E-08	9.79E-07	2.16E-07	3.10E-07	4.92E-07	8.68E-08	9.80E-08	2.22E-06
5535	489191.9	3860676.74	2.27E-03	2.45E-03	3.85E-03	7.86E-07	2.37E-06	1.37E-06	1.48E-06	1.34E-06	6.13E-07	9.63E-07	2.62E-08	6.34E-07	1.40E-07	2.01E-07	3.19E-07	5.62E-08	6.36E-08	1.44E-06
5536	488392.82	3860687.88	2.20E-03	2.37E-03	3.71E-03	7.61E-07	2.30E-06	1.33E-06	1.43E-06	1.30E-06	5.93E-07	9.29E-07	2.54E-08	6.14E-07	1.35E-07	1.95E-07	3.09E-07	5.44E-08	6.13E-08	1.39E-06
5537	488392.82	3860760.27	2.13E-03	2.30E-03	3.61E-03	7.39E-07	2.23E-06	1.29E-06	1.39E-06	1.26E-06	5.75E-07	9.02E-07	2.47E-08	5.96E-07	1.31E-07	1.89E-07	3.00E-07	5.28E-08	5.95E-08	1.35E-06
5538	487549.05	3860777.45	2.04E-03	2.20E-03	3.43E-03	7.06E-07	2.13E-06	1.23E-06	1.33E-06	1.20E-06	5.49E-07	8.58E-07	2.36E-08	5.69E-07	1.26E-07	1.80E-07	2.86E-07	5.04E-08	5.66E-08	1.29E-06
5539	487554.62	3859571.83	4.17E-03	4.49E-03	6.99E-03	1.44E-06	4.36E-06	2.52E-06	2.72E-06	2.46E-06	1.12E-06	1.75E-06	4.82E-08	1.16E-06	2.57E-07	3.69E-07	5.85E-07	1.03E-07	1.15E-07	2.64E-06

5540	485949.46	3859558.54	3.67E-03	3.96E-03	6.19E-03	1.27E-06	3.84E-06	2.22E-06	2.39E-06	2.17E-06	9.90E-07	1.55E-06	4.25E-08	1.03E-06	2.26E-07	3.25E-07	5.16E-07	9.09E-08	1.02E-07	2.33E-06
5541	485947.55	3857943.61	1.35E-02	1.45E-02	2.27E-02	4.67E-06	1.41E-05	8.17E-06	8.79E-06	7.97E-06	3.64E-06	5.68E-06	1.56E-07	3.77E-06	8.31E-07	1.19E-06	1.89E-06	3.34E-07	3.74E-07	8.55E-06
5542	484738.38	3857940.21	7.46E-03	8.04E-03	1.26E-02	2.58E-06	7.80E-06	4.52E-06	4.86E-06	4.41E-06	2.01E-06	3.15E-06	8.63E-08	2.08E-06	4.60E-07	6.60E-07	1.05E-06	1.85E-07	2.08E-07	4.73E-06
5543	484737.06	3857535.68	9.62E-03	1.04E-02	1.62E-02	3.33E-06	1.01E-05	5.82E-06	6.27E-06	5.68E-06	2.59E-06	4.05E-06	1.11E-07	2.69E-06	5.93E-07	8.51E-07	1.35E-06	2.38E-07	2.67E-07	6.10E-06
5544	483730.2	3857530.13	6.41E-03	6.91E-03	1.08E-02	2.22E-06	6.70E-06	3.88E-06	4.18E-06	3.79E-06	1.73E-06	2.71E-06	7.41E-08	1.79E-06	3.95E-07	5.68E-07	9.00E-07	1.59E-07	1.79E-07	4.07E-06
5545	483727.27	3857130.01	7.79E-03	8.39E-03	1.32E-02	2.70E-06	8.14E-06	4.71E-06	5.08E-06	4.60E-06	2.10E-06	3.29E-06	9.00E-08	2.17E-06	4.80E-07	6.89E-07	1.09E-06	1.93E-07	2.17E-07	4.94E-06
5546	483124.42	3857123.45	6.13E-03	6.61E-03	1.04E-02	2.12E-06	6.41E-06	3.71E-06	4.00E-06	3.63E-06	1.65E-06	2.60E-06	7.09E-08	1.71E-06	3.78E-07	5.43E-07	8.62E-07	1.52E-07	1.72E-07	3.89E-06
5547	483111.13	3855921.03	1.05E-02	1.13E-02	1.78E-02	3.62E-06	1.09E-05	6.34E-06	6.83E-06	6.19E-06	2.83E-06	4.45E-06	1.21E-07	2.92E-06	6.45E-07	9.27E-07	1.47E-06	2.59E-07	2.94E-07	6.64E-06
5548	482701.73	3855918.24	8.20E-03	8.85E-03	1.40E-02	2.84E-06	8.57E-06	4.96E-06	5.35E-06	4.85E-06	2.21E-06	3.50E-06	9.48E-08	2.29E-06	5.05E-07	7.27E-07	1.15E-06	2.03E-07	2.31E-07	5.20E-06
5549	482668.02	3853521.78	5.39E-03	5.75E-03	8.35E-03	1.87E-06	5.63E-06	3.26E-06	3.48E-06	3.15E-06	1.44E-06	2.09E-06	6.23E-08	1.51E-06	3.32E-07	4.72E-07	7.49E-07	1.32E-07	1.38E-07	3.39E-06
5550	482579.91	3853219.19	3.05E-03	3.27E-03	5.05E-03	1.05E-06	3.18E-06	1.84E-06	1.98E-06	1.80E-06	8.20E-07	1.26E-06	3.52E-08	8.51E-07	1.88E-07	2.69E-07	4.27E-07	7.52E-08	8.33E-08	1.93E-06
5551	482434.06	3852961.94	2.39E-03	2.57E-03	4.00E-03	8.27E-07	2.50E-06	1.45E-06	1.56E-06	1.41E-06	6.44E-07	1.00E-06	2.76E-08	6.67E-07	1.47E-07	2.11E-07	3.35E-07	5.91E-08	6.60E-08	1.51E-06
5552	482332.11	3852832.85	2.18E-03	2.35E-03	3.66E-03	7.54E-07	2.28E-06	1.32E-06	1.42E-06	1.29E-06	5.87E-07	9.15E-07	2.52E-08	6.08E-07	1.34E-07	1.93E-07	3.06E-07	5.39E-08	6.03E-08	1.38E-06
5553	481334.99	3851818.96	1.30E-03	1.40E-03	2.20E-03	4.50E-07	1.36E-06	7.87E-07	8.48E-07	7.69E-07	3.51E-07	5.50E-07	1.50E-08	3.63E-07	8.01E-08	1.15E-07	1.83E-07	3.22E-08	3.63E-08	8.25E-07
5554	481127.62	3851646.36	1.22E-03	1.31E-03	2.06E-03	4.22E-07	1.27E-06	7.37E-07	7.94E-07	7.20E-07	3.28E-07	5.15E-07	1.41E-08	3.40E-07	7.50E-08	1.08E-07	1.71E-07	3.01E-08	3.40E-08	7.72E-07
5555	481025.04	3851591.73	1.20E-03	1.29E-03	2.03E-03	4.15E-07	1.25E-06	7.25E-07	7.81E-07	7.08E-07	3.23E-07	5.07E-07	1.39E-08	3.35E-07	7.38E-08	1.06E-07	1.68E-07	2.97E-08	3.35E-08	7.60E-07
5556	480513.6	3851335.76	1.11E-03	1.20E-03	1.89E-03	3.84E-07	1.16E-06	6.71E-07	7.24E-07	6.56E-07	2.99E-07	4.72E-07	1.28E-08	3.10E-07	6.83E-08	9.83E-08	1.56E-07	2.75E-08	3.11E-08	7.04E-07
5557	480523.56	3851317.66	1.10E-03	1.19E-03	1.87E-03	3.81E-07	1.15E-06	6.67E-07	7.19E-07	6.51E-07	2.97E-07	4.69E-07	1.27E-08	3.08E-07	6.79E-08	9.76E-08	1.55E-07	2.73E-08	3.09E-08	6.99E-07
5558	476921.56	3849569.11	3.89E-04	4.19E-04	6.58E-04	1.35E-07	4.06E-07	2.35E-07	2.53E-07	2.30E-07	1.05E-07	1.65E-07	4.49E-09	1.09E-07	2.39E-08	3.44E-08	5.46E-08	9.62E-09	1.09E-08	2.46E-07
5559	476521.19	3849373.96	3.68E-04	3.97E-04	6.25E-04	1.28E-07	3.85E-07	2.23E-07	2.40E-07	2.18E-07	9.94E-08	1.56E-07	4.26E-09	1.03E-07	2.27E-08	3.26E-08	5.18E-08	9.12E-09	1.03E-08	2.34E-07
5560	476391.45	3849333.38	3.67E-04	3.96E-04	6.23E-04	1.27E-07	3.84E-07	2.22E-07	2.40E-07	2.17E-07	9.91E-08	1.56E-07	4.25E-09	1.03E-07	2.26E-08	3.25E-08	5.16E-08	9.10E-09	1.03E-08	2.33E-07
5561	476219.41	3849304.29	3.69E-04	3.98E-04	6.26E-04	1.28E-07	3.86E-07	2.23E-07	2.41E-07	2.18E-07	9.96E-08	1.57E-07	4.27E-09	1.03E-07	2.27E-08	3.27E-08	5.19E-08	9.14E-09	1.03E-08	2.34E-07
5562	475679.11	3849218.47	3.61E-04	3.90E-04	6.14E-04	1.25E-07	3.78E-07	2.19E-07	2.36E-07	2.14E-07	9.75E-08	1.54E-07	4.18E-09	1.01E-07	2.23E-08	3.20E-08	5.08E-08	8.95E-09	1.01E-08	2.29E-07
5563	475677.71	3849233.88	3.64E-04	3.93E-04	6.19E-04	1.26E-07	3.81E-07	2.20E-07	2.38E-07	2.15E-07	9.83E-08	1.55E-07	4.21E-09	1.02E-07	2.24E-08	3.23E-08	5.12E-08	9.02E-09	1.02E-08	2.31E-07
5564	475492.74	3849204.66	3.21E-04	3.46E-04	5.47E-04	1.11E-07	3.35E-07	1.94E-07	2.09E-07	1.90E-07	8.66E-08	1.37E-07	3.71E-09	8.96E-08	1.98E-08	2.84E-08	4.51E-08	7.95E-09	9.02E-09	2.04E-07
5565	475497.64	3849158.75	3.33E-04	3.59E-04	5.66E-04	1.15E-07	3.48E-07	2.01E-07	2.17E-07	1.97E-07	8.98E-08	1.42E-07	3.85E-09	9.29E-08	2.05E-08	2.95E-08	4.68E-08	8.24E-09	9.35E-09	2.11E-07
5566	475391.35	3849141.94	3.46E-04	3.73E-04	5.88E-04	1.20E-07	3.61E-07	2.09E-07	2.26E-07	2.05E-07	9.33E-08	1.47E-07	4.00E-09	9.66E-08	2.13E-08	3.06E-08	4.86E-08	8.57E-09	9.71E-09	2.19E-07
5567	475277	3849095.47	3.46E-04	3.73E-04	5.89E-04	1.20E-07	3.62E-07	2.09E-07	2.26E-07	2.05E-07	9.34E-08	1.47E-07	4.00E-09	9.66E-08	2.13E-08	3.07E-08	4.86E-08	8.57E-09	9.72E-09	2.20E-07
5568	475183.93	3849025.66	3.39E-04	3.66E-04	5.78E-04	1.18E-07	3.55E-07	2.05E-07	2.22E-07	2.01E-07	9.16E-08	1.45E-07	3.92E-09	9.48E-08	2.09E-08	3.01E-08	4.77E-08	8.41E-09	9.53E-09	2.15E-07
5569	474453.23	3848378.77	2.93E-04	3.16E-04	4.99E-04	1.02E-07	3.07E-07	1.77E-07	1.91E-07	1.73E-07	7.91E-08	1.25E-07	3.39E-09	8.19E-08	1.81E-08	2.60E-08	4.12E-08	7.26E-09	8.23E-09	1.86E-07
5570	474569.63	3848399.34	2.90E-04	3.12E-04	4.93E-04	1.00E-07	3.03E-07	1.75E-07	1.89E-07	1.71E-07	7.82E-08	1.23E-07	3.35E-09	8.09E-08	1.78E-08	2.57E-08	4.07E-08	7.17E-09	8.13E-09	1.84E-07
5571	474644.33	3848464.52	2.95E-04	3.18E-04	5.01E-04	1.02E-07	3.08E-07	1.78E-07	1.92E-07	1.74E-07	7.96E-08	1.25E-07	3.41E-09	8.23E-08	1.82E-08	2.61E-08	4.14E-08	7.30E-09	8.28E-09	1.87E-07
5572	474719.04	3848529.7	2.99E-04	3.23E-04	5.09E-04	1.04E-07	3.13E-07	1.81E-07	1.95E-07	1.77E-07	8.08E-08	1.27E-07	3.46E-09	8.36E-08	1.84E-08	2.65E-08	4.21E-08	7.42E-09	8.41E-09	1.90E-07
5573	474793.74	3848594.88	3.01E-04	3.25E-04	5.13E-04	1.04E-07	3.15E-07	1.82E-07	1.97E-07	1.78E-07	8.13E-08	1.28E-07	3.48E-09	8.42E-08	1.86E-08	2.67E-08	4.24E-08	7.47E-09	8.46E-09	1.91E-07
5574	474868.45	3848660.07	3.01E-04	3.25E-04	5.13E-04	1.04E-07	3.15E-07	1.82E-07	1.97E-07	1.78E-07	8.13E-08	1.28E-07	3.48E-09	8.42E-08	1.86E-08	2.67E-08	4.24E-08	7.47E-09	8.46E-09	1.91E-07
5575	474943.15	3848725.25	3.04E-04	3.28E-04	5.17E-04	1.05E-07	3.18E-07	1.84E-07	1.98E-07	1.80E-07	8.20E-08	1.29E-07	3.51E-09	8.48E-08	1.87E-08	2.69E-08	4.27E-08	7.52E-09	8.53E-09	1.93E-07
5576	475017.86	3848790.43	3.10E-04	3.34E-04	5.28E-04	1.07E-07	3.24E-07	1.88E-07	2.02E-07	1.83E-07	8.37E-08	1.32E-07	3.58E-09	8.66E-08	1.91E-08	2.75E-08	4.36E-08	7.68E-09	8.71E-09	1.97E-07
5577	475092.56	3848855.61	3.18E-04	3.43E-04	5.41E-04	1.10E-07	3.32E-07	1.92E-07	2.08E-07	1.88E-07	8.58E-08	1.35E-07	3.68E-09	8.88E-08	1.96E-08	2.82E-08	4.47E-08	7.88E-09	8.93E-09	2.02E-07
5578	475232.58	3848959.38	3.28E-04	3.54E-04	5.59E-04	1.14E-07	3.43E-07	1.99E-07	2.14E-07	1.94E-07	8.87E-08	1.40E-07	3.80E-09	9.17E-08	2.02E-08	2.91E-08	4.62E-08	8.14E-09	9.22E-09	2.08E-07
5579	475368.47	3849029.98	3.31E-04	3.57E-04	5.64E-04	1.15E-07	3.46E-07	2.00E-07	2.16E-07	1.96E-07	8.94E-08	1.41E-07	3.83E-09	9.25E-08	2.04E-08	2.93E-08	4.66E-08	8.21E-09	9.30E-09	2.10E-07
5580	475609.57	3849096.09	3.30E-04	3.56E-04	5.61E-04	1.14E-07	3.45E-07	2.00E-07	2.15E-07	1.95E-07	8.91E-08	1.41E-07	3.81E-09	9.21E-08	2.03E-08	2.92E-08	4.64E-08	8.17E-09	9.27E-09	2.09E-07
5581	475680.68	3849116.62	3.39E-04	3.65E-04	5.76E-04	1.17E-07	3.54E-07	2.05E-07	2.21E-07	2.00E-07	9.14E-08	1.44E-07	3.91E-09	9.45E-08	2.09E-08	3.00E-08	4.76E-08	8.38E-09	9.50E-09	2.15E-07
5582	475843.76	3849151.52	3.46E-04	3.73E-04	5.87E-04	1.20E-07	3.61E-07	2.09E-07	2.25E-07	2.04E-07	9.33E-08	1.47E-07	4.00E-09	9.65E-08	2.13E-08	3.06E-08	4.86E-08	8.56E-09	9.69E-09	2.19E-07
5583	475935.73	3849165.89	3.53E-04	3.81E-04	5.99E-04	1.22E-07	3.69E-07	2.14E-07	2.30E-07	2.09E-07	9.53E-08	1.50E-07	4.08E-09	9.86E-08	2.17E-08	3.13E-08	4.96E-08	8.74E-09	9.90E-09	2.24E-07
5584	476027.71	3849180.27	3.57E-04	3.85E-04	6.06E-04	1.24E-07	3.73E-07	2.16E-07	2.33E-07	2.11E-07	9.64E-08	1.52E-07	4.13E-09	9.97E-08	2.20E-08	3.16E-08	5.02E-08	8.84E-09	1.00E-08	2.27E-07
5585	476119.68	3849194.64	3.50E-04	3.78E-04	5.95E-04	1.21E-07	3.66E-07	2.12E-07	2.29E-07	2.07E-07	9.46E-08	1.49E-07	4.05E-09	9.79E-08	2.16E-08	3.10E-08	4.92E-08	8.68E-09	9.82E-09	2.22E-07
5586	476211.65	3849209.01	3.48E-04	3.76E-04	5.91E-04	1.21E-07	3.64E-07	2.11E-07	2.27E-07	2.06E-07	9.40E-08	1.48E-07	4.03E-09	9.73E-08	2.15E-08	3.09E-08	4.89E-08	8.63E-09	9.76E-09	2.21E-07
5587	476497.81	3849283.9	3.50E-04	3.77E-04	5.94E-04	1.21E-07	3.66E-07	2.12E-07	2.28E-07	2.07E-07	9.44E-08	1.49E-07	4.04E-09	9.77E-08	2.16E-08	3.10E-08	4.91E-08	8.66E-09	9.80E-09	2.22E-07
5588	476603.73	3849323.77	3.54E-04	3.82E-04	6.00E-04	1.23E-07	3.70E-07	2.14E-07	2.31E-07	2.09E-07	9.55E-08	1.50E-07	4.09E-09	9.89E-08	2.18E-08	3.14E-08	4.97E-08	8.77E-09	9.91E-09	2.25E-07
5589	476728.99	3849382.76	3.60E-04	3.88E-04	6.10E-04	1.24E-07	3.76E-07	2.18E-07	2.35E-07	2.13E-07	9.70E-08	1.53E-07	4.16E-09	1.00E-07	2.22E-08	3.18E-08	5.05E-08	8.90E-09	1.01E-08	2.28E-07
5590	476801.27	3849418.65	3.64E-04	3.92E-04	6.16E-04	1.26E-07	3.80E-07	2.20E-07	2.37E-07	2.15E-07	9.81E-08	1.54E-07	4.20E-09	1.02E-07	2.24E-08	3.22E-08	5.11E-08	9.00E-09	1.02E-08	2.31E-07
5591	476956.2	3849495.05	3.73E-04	4.01E-04	6.31E-04	1.29E-07	3.89E-07	2.25E-07	2.43E-07	2.20E-07	1.00E-07	1.58E-07	4.31E-09	1.04E-07	2.30E-08	3.30E-08	5.23E-08	9.22E-09	1.04E-08	2.36E-07
5592	477038.84	3849535.56	3.75E-04	4.04E-04	6.35E-04	1.30E-07	3.92E-07	2.27E-07	2.45E-07	2.22E-07	1.01E-07	1.59E-07	4.34E-09	1.05E-07	2.31E-08	3.32E-08	5.27E-08	9.29E-09	1.05E-08	2.38E-07
5593	477121.49	3849576.08	3.80E-04	4.10E-04	6.44E-04	1.32E-07	3.97E-07	2.30E-07	2.48E-07	2.25E-07	1.03E-07	1.61E-07	4.39E-09	1.06E-07	2.34E-08	3.37E-08	5.34E-08	9.41E-09	1.06E-08	2.41E-07
5594	477204.13	3849616.6	3.84E-04	4.13E-04	6.49E-04	1.33E-07	4.01E-07	2.32E-07	2.50E-07	2.27E-07	1.03E-07	1.63E-07	4.43E-09	1.07E-07	2.36E-08	3.40E-08	5.39E-08	9.49E-09	1.07E-08	2.43E-07
5595	477286.78	3849657.12	3.81E-04	4.10E-04	6.45E-04	1.32E-07	3.98E-07	2.30E-07	2.48E-07	2.25E-07	1.03E-07	1.61E-07	4.40E-09	1.06E-07	2.35E-08	3.37E-08	5.35E-08	9.43E-09	1.07E-08	2.41E-07
5596	477369.42	3849697.63	3.94E-04	4.25E-04	6.67E-04	1.37E-07	4.12E-07	2.39E-07	2.57E-07	2.33E-07	1.06E-07	1.67E-07	4.56E-09	1.10E-07	2.43E-08	3.49E-08	5.54E-08	9.76E-09	1.10E-08	2.50E-07
5597	477452.07	3849738.15	3.99E-04	4.30E-04	6.75E-04	1.38E-07	4.17E-07	2.41E-07	2.60E-07	2.36E-07	1.08E-07	1.69E-07	4.61E-09	1.11E-07	2.46E-08	3.53E-08	5.60E-08	9.87E-09	1.11E-08	2.53E-07
5598	477534.71	3849778.67	4.11E-04	4.43E-04	6.95E-04	1.42E-07	4.30E-07	2.49E-07	2.68E-07	2.43E-07	1.11E-07	1.74E-07	4.75E-09	1.15E-07	2.53E-08	3.64E-08	5.77E-08	1.02E-08	1.15E-08	2.61E-07

5599	477617.36	3849819.18	4.17E-04	4.49E-04	7.05E-04	1.44E-07	4.36E-07	2.52E-07	2.72E-07	2.47E-07	1.12E-07	1.76E-07	4.82E-09	1.16E-07	2.57E-08	3.69E-08	5.86E-08	1.03E-08	1.16E-08	2.64E-07
5600	477824.74	3849896.37	4.41E-04	4.75E-04	7.45E-04	1.53E-07	4.61E-07	2.67E-07	2.87E-07	2.61E-07	1.19E-07	1.86E-07	5.10E-09	1.23E-07	2.72E-08	3.90E-08	6.19E-08	1.09E-08	1.23E-08	2.79E-07
5601	477906.31	3849936.37	4.40E-04	4.75E-04	7.45E-04	1.52E-07	4.60E-07	2.66E-07	2.87E-07	2.60E-07	1.19E-07	1.87E-07	5.09E-09	1.23E-07	2.71E-08	3.90E-08	6.19E-08	1.09E-08	1.23E-08	2.79E-07
5602	477987.89	3849976.36	4.55E-04	4.90E-04	7.70E-04	1.57E-07	4.76E-07	2.75E-07	2.97E-07	2.69E-07	1.23E-07	1.93E-07	5.26E-09	1.27E-07	2.80E-08	4.03E-08	6.39E-08	1.13E-08	1.27E-08	2.88E-07
5603	478069.47	3850016.36	4.60E-04	4.95E-04	7.78E-04	1.59E-07	4.80E-07	2.78E-07	3.00E-07	2.72E-07	1.24E-07	1.95E-07	5.31E-09	1.28E-07	2.83E-08	4.07E-08	6.46E-08	1.14E-08	1.28E-08	2.91E-07
5604	478151.04	3850056.35	4.66E-04	5.02E-04	7.89E-04	1.61E-07	4.87E-07	2.82E-07	3.04E-07	2.75E-07	1.26E-07	1.98E-07	5.38E-09	1.30E-07	2.87E-08	4.12E-08	6.54E-08	1.15E-08	1.30E-08	2.95E-07
5605	478232.62	3850096.35	4.80E-04	5.18E-04	8.14E-04	1.66E-07	5.02E-07	2.91E-07	3.13E-07	2.84E-07	1.30E-07	2.04E-07	5.55E-09	1.34E-07	2.96E-08	4.25E-08	6.75E-08	1.19E-08	1.34E-08	3.05E-07
5606	478314.2	3850136.34	4.97E-04	5.36E-04	8.42E-04	1.72E-07	5.19E-07	3.01E-07	3.24E-07	2.94E-07	1.34E-07	2.11E-07	5.74E-09	1.39E-07	3.06E-08	4.40E-08	6.98E-08	1.23E-08	1.39E-08	3.15E-07
5607	478395.77	3850176.34	5.15E-04	5.55E-04	8.73E-04	1.78E-07	5.38E-07	3.12E-07	3.36E-07	3.04E-07	1.39E-07	2.18E-07	5.95E-09	1.44E-07	3.17E-08	4.56E-08	7.23E-08	1.27E-08	1.44E-08	3.27E-07
5608	478575.43	3850244.45	5.63E-04	6.07E-04	9.56E-04	1.95E-07	5.89E-07	3.41E-07	3.67E-07	3.33E-07	1.52E-07	2.39E-07	6.51E-09	1.57E-07	3.47E-08	4.99E-08	7.91E-08	1.39E-08	1.58E-08	3.57E-07
5609	478665.06	3850287.29	5.88E-04	6.34E-04	9.98E-04	2.04E-07	6.15E-07	3.56E-07	3.84E-07	3.48E-07	1.59E-07	2.50E-07	6.80E-09	1.64E-07	3.62E-08	5.21E-08	8.26E-08	1.46E-08	1.65E-08	3.73E-07
5610	478754.69	3850330.14	6.15E-04	6.63E-04	1.04E-03	2.13E-07	6.43E-07	3.72E-07	4.01E-07	3.64E-07	1.66E-07	2.61E-07	7.11E-09	1.72E-07	3.79E-08	5.45E-08	8.64E-08	1.52E-08	1.72E-08	3.90E-07
5611	478844.32	3850372.99	6.44E-04	6.95E-04	1.09E-03	2.23E-07	6.74E-07	3.90E-07	4.20E-07	3.81E-07	1.74E-07	2.74E-07	7.45E-09	1.80E-07	3.97E-08	5.71E-08	9.06E-08	1.60E-08	1.81E-08	4.09E-07
5612	478933.95	3850415.84	6.75E-04	7.28E-04	1.15E-03	2.34E-07	7.06E-07	4.08E-07	4.40E-07	3.99E-07	1.82E-07	2.87E-07	7.80E-09	1.88E-07	4.16E-08	5.98E-08	9.49E-08	1.67E-08	1.89E-08	4.28E-07
5613	479023.58	3850458.68	6.99E-04	7.54E-04	1.19E-03	2.42E-07	7.31E-07	4.23E-07	4.56E-07	4.14E-07	1.89E-07	2.98E-07	8.08E-09	1.95E-07	4.31E-08	6.20E-08	9.83E-08	1.73E-08	1.96E-08	4.44E-07
5614	479110.66	3850441.91	7.37E-04	7.94E-04	1.25E-03	2.55E-07	7.70E-07	4.46E-07	4.81E-07	4.36E-07	1.99E-07	3.14E-07	8.51E-09	2.06E-07	4.54E-08	6.53E-08	1.04E-07	1.82E-08	2.07E-08	4.67E-07
5615	479191.22	3850423.99	7.64E-04	8.24E-04	1.30E-03	2.64E-07	7.99E-07	4.62E-07	4.99E-07	4.52E-07	2.06E-07	3.26E-07	8.83E-09	2.13E-07	4.71E-08	6.77E-08	1.07E-07	1.89E-08	2.15E-08	4.85E-07
5616	479274.32	3850465.71	7.84E-04	8.46E-04	1.34E-03	2.72E-07	8.20E-07	4.75E-07	5.12E-07	4.64E-07	2.12E-07	3.35E-07	9.07E-09	2.19E-07	4.83E-08	6.95E-08	1.10E-07	1.94E-08	2.21E-08	4.98E-07
5617	479357.43	3850507.42	8.01E-04	8.65E-04	1.37E-03	2.77E-07	8.38E-07	4.85E-07	5.23E-07	4.74E-07	2.16E-07	3.42E-07	9.26E-09	2.24E-07	4.94E-08	7.10E-08	1.13E-07	1.99E-08	2.26E-08	5.09E-07
5618	479440.53	3850549.14	8.16E-04	8.80E-04	1.39E-03	2.82E-07	8.53E-07	4.94E-07	5.33E-07	4.83E-07	2.20E-07	3.49E-07	9.43E-09	2.28E-07	5.03E-08	7.23E-08	1.15E-07	2.02E-08	2.30E-08	5.18E-07
5619	479523.64	3850590.85	8.31E-04	8.97E-04	1.42E-03	2.88E-07	8.69E-07	5.03E-07	5.43E-07	4.92E-07	2.24E-07	3.55E-07	9.61E-09	2.32E-07	5.12E-08	7.37E-08	1.17E-07	2.06E-08	2.34E-08	5.27E-07
5620	479606.74	3850632.57	8.48E-04	9.15E-04	1.45E-03	2.94E-07	8.86E-07	5.13E-07	5.54E-07	5.02E-07	2.29E-07	3.63E-07	9.80E-09	2.37E-07	5.22E-08	7.52E-08	1.19E-07	2.10E-08	2.39E-08	5.38E-07
5621	479777.37	3850707.61	8.75E-04	9.44E-04	1.50E-03	3.03E-07	9.14E-07	5.29E-07	5.71E-07	5.18E-07	2.36E-07	3.74E-07	1.01E-08	2.44E-07	5.39E-08	7.75E-08	1.23E-07	2.17E-08	2.47E-08	5.55E-07
5622	479864.9	3850740.95	8.88E-04	9.58E-04	1.52E-03	3.07E-07	9.28E-07	5.37E-07	5.80E-07	5.25E-07	2.40E-07	3.80E-07	1.03E-08	2.48E-07	5.47E-08	7.87E-08	1.25E-07	2.20E-08	2.50E-08	5.63E-07
5623	479931.87	3850829.57	9.16E-04	9.89E-04	1.57E-03	3.17E-07	9.58E-07	5.54E-07	5.98E-07	5.42E-07	2.47E-07	3.92E-07	1.06E-08	2.56E-07	5.65E-08	8.12E-08	1.29E-07	2.27E-08	2.58E-08	5.82E-07
5624	479995.55	3850926.75	9.52E-04	1.03E-03	1.63E-03	3.30E-07	9.96E-07	5.76E-07	6.22E-07	5.64E-07	2.57E-07	4.07E-07	1.10E-08	2.66E-07	5.87E-08	8.44E-08	1.34E-07	2.36E-08	2.68E-08	6.04E-07
5625	480079.78	3850968.64	9.71E-04	1.05E-03	1.66E-03	3.36E-07	1.02E-06	5.88E-07	6.34E-07	5.75E-07	2.62E-07	4.15E-07	1.12E-08	2.71E-07	5.98E-08	8.61E-08	1.37E-07	2.41E-08	2.74E-08	6.16E-07
5626	480164.01	3851010.54	9.88E-04	1.07E-03	1.68E-03	3.42E-07	1.03E-06	5.98E-07	6.45E-07	5.85E-07	2.67E-07	4.22E-07	1.14E-08	2.76E-07	6.09E-08	8.76E-08	1.39E-07	2.45E-08	2.78E-08	6.27E-07
5627	480248.23	3851052.43	1.00E-03	1.08E-03	1.71E-03	3.47E-07	1.05E-06	6.07E-07	6.55E-07	5.93E-07	2.71E-07	4.28E-07	1.16E-08	2.80E-07	6.18E-08	8.89E-08	1.41E-07	2.49E-08	2.82E-08	6.36E-07
5628	480332.46	3851094.33	1.02E-03	1.10E-03	1.73E-03	3.52E-07	1.06E-06	6.15E-07	6.63E-07	6.01E-07	2.74E-07	4.33E-07	1.17E-08	2.84E-07	6.26E-08	9.00E-08	1.43E-07	2.52E-08	2.86E-08	6.45E-07
5629	480416.69	3851136.22	1.03E-03	1.11E-03	1.75E-03	3.55E-07	1.07E-06	6.21E-07	6.69E-07	6.07E-07	2.77E-07	4.37E-07	1.19E-08	2.86E-07	6.32E-08	9.09E-08	1.44E-07	2.54E-08	2.88E-08	6.51E-07
5630	480579.95	3851215.17	1.04E-03	1.13E-03	1.77E-03	3.62E-07	1.09E-06	6.32E-07	6.81E-07	6.18E-07	2.82E-07	4.44E-07	1.21E-08	2.92E-07	6.44E-08	9.25E-08	1.47E-07	2.59E-08	2.93E-08	6.62E-07
5631	480658.98	3851252.22	1.05E-03	1.14E-03	1.79E-03	3.65E-07	1.10E-06	6.37E-07	6.87E-07	6.23E-07	2.84E-07	4.47E-07	1.22E-08	2.94E-07	6.49E-08	9.33E-08	1.48E-07	2.61E-08	2.95E-08	6.68E-07
5632	480817.36	3851327.85	1.07E-03	1.15E-03	1.81E-03	3.71E-07	1.12E-06	6.48E-07	6.99E-07	6.33E-07	2.89E-07	4.54E-07	1.24E-08	2.99E-07	6.60E-08	9.48E-08	1.50E-07	2.65E-08	3.00E-08	6.79E-07
5633	480896.72	3851366.43	1.08E-03	1.16E-03	1.83E-03	3.74E-07	1.13E-06	6.53E-07	7.04E-07	6.38E-07	2.91E-07	4.57E-07	1.25E-08	3.01E-07	6.65E-08	9.56E-08	1.52E-07	2.67E-08	3.02E-08	6.85E-07
5634	480976.07	3851405	1.09E-03	1.17E-03	1.84E-03	3.77E-07	1.14E-06	6.59E-07	7.10E-07	6.43E-07	2.94E-07	4.61E-07	1.26E-08	3.04E-07	6.71E-08	9.64E-08	1.53E-07	2.69E-08	3.04E-08	6.90E-07
5635	481178	3851487.31	1.10E-03	1.19E-03	1.86E-03	3.82E-07	1.15E-06	6.68E-07	7.20E-07	6.52E-07	2.98E-07	4.67E-07	1.28E-08	3.08E-07	6.80E-08	9.77E-08	1.55E-07	2.73E-08	3.08E-08	7.00E-07
5636	481244.9	3851557.17	1.14E-03	1.22E-03	1.92E-03	3.93E-07	1.19E-06	6.88E-07	7.41E-07	6.72E-07	3.06E-07	4.80E-07	1.31E-08	3.17E-07	7.00E-08	1.01E-07	1.60E-07	2.81E-08	3.17E-08	7.21E-07
5637	481311.81	3851627.03	1.17E-03	1.26E-03	1.97E-03	4.05E-07	1.22E-06	7.07E-07	7.62E-07	6.91E-07	3.15E-07	4.94E-07	1.35E-08	3.26E-07	7.20E-08	1.03E-07	1.64E-07	2.89E-08	3.26E-08	7.41E-07
5638	481378.71	3851696.89	1.20E-03	1.30E-03	2.03E-03	4.16E-07	1.26E-06	7.27E-07	7.84E-07	7.10E-07	3.24E-07	5.08E-07	1.39E-08	3.36E-07	7.41E-08	1.06E-07	1.69E-07	2.97E-08	3.35E-08	7.62E-07
5639	481445.61	3851766.76	1.24E-03	1.33E-03	2.09E-03	4.28E-07	1.29E-06	7.49E-07	8.07E-07	7.31E-07	3.34E-07	5.23E-07	1.43E-08	3.46E-07	7.63E-08	1.10E-07	1.74E-07	3.06E-08	3.45E-08	7.85E-07
5640	481512.51	3851836.62	1.27E-03	1.37E-03	2.15E-03	4.41E-07	1.33E-06	7.71E-07	8.30E-07	7.53E-07	3.43E-07	5.38E-07	1.47E-08	3.56E-07	7.85E-08	1.13E-07	1.79E-07	3.15E-08	3.55E-08	8.07E-07
5641	481579.42	3851906.48	1.31E-03	1.41E-03	2.21E-03	4.54E-07	1.37E-06	7.93E-07	8.55E-07	7.75E-07	3.54E-07	5.54E-07	1.52E-08	3.66E-07	8.08E-08	1.16E-07	1.84E-07	3.24E-08	3.65E-08	8.31E-07
5642	481646.32	3851976.34	1.35E-03	1.46E-03	2.28E-03	4.68E-07	1.41E-06	8.18E-07	8.81E-07	7.99E-07	3.64E-07	5.71E-07	1.56E-08	3.77E-07	8.33E-08	1.20E-07	1.90E-07	3.34E-08	3.77E-08	8.57E-07
5643	481713.22	3852046.2	1.39E-03	1.50E-03	2.34E-03	4.80E-07	1.45E-06	8.40E-07	9.05E-07	8.20E-07	3.74E-07	5.87E-07	1.60E-08	3.88E-07	8.55E-08	1.23E-07	1.95E-07	3.43E-08	3.87E-08	8.80E-07
5644	481780.12	3852116.06	1.44E-03	1.55E-03	2.42E-03	4.97E-07	1.50E-06	8.69E-07	9.36E-07	8.48E-07	3.87E-07	6.07E-07	1.66E-08	4.01E-07	8.85E-08	1.27E-07	2.02E-07	3.55E-08	4.00E-08	9.10E-07
5645	481847.03	3852185.92	1.49E-03	1.61E-03	2.52E-03	5.17E-07	1.56E-06	9.04E-07	9.73E-07	8.82E-07	4.03E-07	6.31E-07	1.73E-08	4.17E-07	9.20E-08	1.32E-07	2.10E-07	3.70E-08	4.16E-08	9.47E-07
5646	481913.93	3852255.78	1.55E-03	1.67E-03	2.61E-03	5.36E-07	1.62E-06	9.37E-07	1.01E-06	9.15E-07	4.17E-07	6.53E-07	1.79E-08	4.32E-07	9.54E-08	1.37E-07	2.17E-07	3.83E-08	4.31E-08	9.81E-07
5647	481980.83	3852325.65	1.61E-03	1.73E-03	2.70E-03	5.56E-07	1.68E-06	9.71E-07	1.05E-06	9.48E-07	4.33E-07	6.76E-07	1.86E-08	4.48E-07	9.89E-08	1.42E-07	2.25E-07	3.97E-08	4.46E-08	1.02E-06
5648	482047.73	3852395.51	1.66E-03	1.79E-03	2.80E-03	5.75E-07	1.74E-06	1.01E-06	1.08E-06	9.82E-07	4.48E-07	7.00E-07	1.92E-08	4.64E-07	1.02E-07	1.47E-07	2.33E-07	4.11E-08	4.62E-08	1.05E-06
5649	482114.64	3852465.37	1.72E-03	1.85E-03	2.89E-03	5.96E-07	1.80E-06	1.04E-06	1.12E-06	1.02E-06	4.64E-07	7.24E-07	1.99E-08	4.81E-07	1.06E-07	1.52E-07	2.42E-07	4.26E-08	4.78E-08	1.09E-06
5650	482181.54	3852535.23	1.79E-03	1.92E-03	3.00E-03	6.18E-07	1.87E-06	1.08E-06	1.16E-06	1.05E-06	4.81E-07	7.50E-07	2.06E-08	4.98E-07	1.10E-07	1.58E-07	2.50E-07	4.41E-08	4.95E-08	1.13E-06
5651	482338.69	3852700.05	1.95E-03	2.10E-03	3.27E-03	6.76E-07	2.04E-06	1.18E-06	1.27E-06	1.15E-06	5.26E-07	8.19E-07	2.26E-08	5.45E-07	1.20E-07	1.73E-07	2.74E-07	4.83E-08	5.40E-08	1.24E-06
5652	482404.05	3852767.78	2.03E-03	2.19E-03	3.41E-03	7.04E-07	2.13E-06	1.23E-06	1.32E-06	1.20E-06	5.48E-07	8.53E-07	2.35E-08	5.68E-07	1.25E-07	1.80E-07	2.85E-07	5.03E-08	5.62E-08	1.29E-06
5653	482469.4	3852835.52	2.13E-03	2.29E-03	3.56E-03	7.36E-07	2.22E-06	1.29E-06	1.38E-06	1.25E-06	5.73E-07	8.90E-07	2.46E-08	5.94E-07	1.31E-07	1.88E-07	2.98E-07	5.25E-08	5.87E-08	1.35E-06
5654	482534.75	3852903.25	2.23E-03	2.40E-03	3.73E-03	7.73E-07	2.33E-06	1.35E-06	1.45E-06	1.32E-06	6.01E-07	9.34E-07	2.58E-08	6.23E-07	1.38E-07	1.97E-07	3.13E-07	5.52E-08	6.16E-08	1.41E-06
5655	482600.11	3852970.99	2.36E-03	2.54E-03	3.94E-03	8.16E-07	2.46E-06	1.43E-06	1.54E-06	1.39E-06	6.35E-07	9.86E-07	2.73E-08	6.58E-07	1.45E-07	2.08E-07	3.31E-07	5.83E-08	6.50E-08	1.49E-06
5656	482706.71	3853119.28	2.72E-03	2.92E-03	4.52E-03	9.41E-07	2.84E-06	1.64E-06	1.77E-06	1.60E-06	7.32E-07	1.13E-06	3.14E-08	7.59E-07	1.67E-07	2.40E-07	3.81E-07	6.71E-08	7.46E-08	1.72E-06
5657	482747.96	3853199.84	2.97E-03	3.20E-03	4.92E-03	1.03E-06	3.11E-06	1.80E-06	1.93E-06	1.75E-06	8.00E-07	1.23E-06	3.44E-08	8.30E-07	1.83E-07	2.62E-07	4.16E-07	7.34E-08	8.13E-08	1.88E-06

5658	482789.21	3853280.4	3.29E-03	3.54E-03	5.41E-03	1.14E-06	3.44E-06	1.99E-06	2.14E-06	1.94E-06	8.85E-07	1.35E-06	3.81E-08	9.20E-07	2.03E-07	2.91E-07	4.61E-07	8.13E-08	8.93E-08	2.08E-06
5659	482830.46	3853360.96	3.77E-03	4.04E-03	6.07E-03	1.30E-06	3.94E-06	2.28E-06	2.44E-06	2.21E-06	1.01E-06	1.52E-06	4.36E-08	1.05E-06	2.32E-07	3.32E-07	5.26E-07	9.27E-08	1.00E-07	2.38E-06
5660	482871.71	3853441.52	5.86E-03	6.19E-03	8.35E-03	2.03E-06	6.12E-06	3.54E-06	3.75E-06	3.40E-06	1.55E-06	2.09E-06	6.77E-08	1.64E-06	3.61E-07	5.09E-07	8.07E-07	1.42E-07	1.38E-07	3.66E-06
5661	482912.95	3853522.07	1.12E-02	1.16E-02	1.38E-02	3.86E-06	1.17E-05	6.75E-06	7.04E-06	6.38E-06	2.91E-06	3.46E-06	1.29E-07	3.11E-06	6.87E-07	9.55E-07	1.52E-06	2.67E-07	2.28E-07	6.90E-06
5662	482954.2	3853602.63	1.12E-02	1.17E-02	1.44E-02	3.86E-06	1.17E-05	6.75E-06	7.06E-06	6.40E-06	2.92E-06	3.61E-06	1.29E-07	3.11E-06	6.87E-07	9.59E-07	1.52E-06	2.68E-07	2.38E-07	6.92E-06
5663	482995.45	3853683.19	1.17E-02	1.24E-02	1.64E-02	4.05E-06	1.22E-05	7.09E-06	7.47E-06	6.78E-06	3.09E-06	4.09E-06	1.35E-07	3.27E-06	7.22E-07	1.01E-06	1.61E-06	2.84E-07	2.70E-07	7.31E-06
5664	483036.7	3853763.75	1.37E-02	1.46E-02	2.12E-02	4.73E-06	1.43E-05	8.26E-06	8.81E-06	7.99E-06	3.65E-06	5.29E-06	1.58E-07	3.81E-06	8.41E-07	1.20E-06	1.90E-06	3.35E-07	3.49E-07	8.59E-06
5665	483214.2	3853909.91	1.47E-02	1.59E-02	2.58E-02	5.09E-06	1.54E-05	8.89E-06	9.63E-06	8.73E-06	3.98E-06	6.47E-06	1.70E-07	4.10E-06	9.06E-07	1.31E-06	2.07E-06	3.66E-07	4.26E-07	9.35E-06
5666	483307.01	3853910.44	1.33E-02	1.44E-02	2.33E-02	4.59E-06	1.39E-05	8.03E-06	8.69E-06	7.88E-06	3.60E-06	5.84E-06	1.53E-07	3.70E-06	8.17E-07	1.18E-06	1.87E-06	3.30E-07	3.85E-07	8.44E-06
5667	483399.83	3853910.96	1.20E-02	1.30E-02	2.11E-02	4.15E-06	1.25E-05	7.25E-06	7.85E-06	7.12E-06	3.25E-06	5.27E-06	1.38E-07	3.34E-06	7.38E-07	1.07E-06	1.69E-06	2.98E-07	3.48E-07	7.62E-06
5668	483494.52	3854009.24	1.38E-02	1.50E-02	2.49E-02	4.78E-06	1.44E-05	8.35E-06	9.07E-06	8.22E-06	3.75E-06	6.23E-06	1.59E-07	3.85E-06	8.50E-07	1.23E-06	1.95E-06	3.44E-07	4.11E-07	8.80E-06
5669	483496.41	3854106.98	1.71E-02	1.86E-02	3.14E-02	5.92E-06	1.79E-05	1.03E-05	1.13E-05	1.02E-05	4.66E-06	7.85E-06	1.98E-07	4.77E-06	1.05E-06	1.53E-06	2.43E-06	4.27E-07	5.18E-07	1.09E-05
5670	483577.56	3854261.96	2.00E-02	2.18E-02	3.67E-02	6.92E-06	2.09E-05	1.21E-05	1.32E-05	1.19E-05	5.44E-06	9.18E-06	2.31E-07	5.58E-06	1.23E-06	1.79E-06	2.84E-06	5.00E-07	6.06E-07	1.28E-05
5671	483656.83	3854319.19	1.95E-02	2.12E-02	3.54E-02	6.74E-06	2.03E-05	1.18E-05	1.28E-05	1.16E-05	5.30E-06	8.87E-06	2.25E-07	5.43E-06	1.20E-06	1.74E-06	2.76E-06	4.86E-07	5.85E-07	1.24E-05
5672	483736.1	3854376.41	1.88E-02	2.05E-02	3.40E-02	6.52E-06	1.97E-05	1.14E-05	1.24E-05	1.12E-05	5.12E-06	8.51E-06	2.18E-07	5.26E-06	1.16E-06	1.68E-06	2.67E-06	4.70E-07	5.61E-07	1.20E-05
5673	483815.37	3854433.64	1.84E-02	1.99E-02	3.28E-02	6.36E-06	1.92E-05	1.11E-05	1.21E-05	1.09E-05	4.99E-06	8.21E-06	2.12E-07	5.13E-06	1.13E-06	1.64E-06	2.60E-06	4.58E-07	5.42E-07	1.17E-05
5674	483894.63	3854490.87	1.80E-02	1.96E-02	3.19E-02	6.25E-06	1.89E-05	1.09E-05	1.18E-05	1.07E-05	4.89E-06	7.99E-06	2.09E-07	5.04E-06	1.11E-06	1.61E-06	2.55E-06	4.49E-07	5.27E-07	1.15E-05
5675	483973.9	3854548.1	1.81E-02	1.96E-02	3.17E-02	6.27E-06	1.89E-05	1.10E-05	1.19E-05	1.07E-05	4.90E-06	7.93E-06	2.09E-07	5.05E-06	1.12E-06	1.61E-06	2.55E-06	4.50E-07	5.23E-07	1.15E-05
5676	484053.17	3854605.32	1.89E-02	2.05E-02	3.28E-02	6.56E-06	1.98E-05	1.15E-05	1.24E-05	1.12E-05	5.12E-06	8.21E-06	2.19E-07	5.29E-06	1.17E-06	1.68E-06	2.67E-06	4.70E-07	5.42E-07	1.20E-05
5677	484214.97	3854698.15	2.04E-02	2.20E-02	3.48E-02	7.08E-06	2.14E-05	1.24E-05	1.33E-05	1.21E-05	5.52E-06	8.70E-06	2.36E-07	5.71E-06	1.26E-06	1.81E-06	2.87E-06	5.06E-07	5.74E-07	1.30E-05
5678	484297.5	3854733.74	2.16E-02	2.32E-02	3.64E-02	7.47E-06	2.26E-05	1.31E-05	1.41E-05	1.28E-05	5.82E-06	9.12E-06	2.49E-07	6.03E-06	1.33E-06	1.91E-06	3.03E-06	5.34E-07	6.02E-07	1.37E-05
5679	484380.03	3854769.34	2.18E-02	2.34E-02	3.66E-02	7.53E-06	2.27E-05	1.32E-05	1.42E-05	1.28E-05	5.86E-06	9.16E-06	2.51E-07	6.07E-06	1.34E-06	1.92E-06	3.05E-06	5.38E-07	6.04E-07	1.38E-05
5680	484462.56	3854804.94	2.26E-02	2.43E-02	3.80E-02	7.83E-06	2.36E-05	1.37E-05	1.47E-05	1.34E-05	6.09E-06	9.51E-06	2.61E-07	6.31E-06	1.39E-06	2.00E-06	3.17E-06	5.59E-07	6.27E-07	1.43E-05
5681	484545.09	3854840.53	2.24E-02	2.41E-02	3.75E-02	7.74E-06	2.34E-05	1.35E-05	1.46E-05	1.32E-05	6.02E-06	9.40E-06	2.58E-07	6.24E-06	1.38E-06	1.98E-06	3.14E-06	5.53E-07	6.20E-07	1.42E-05
5682	484691.88	3854912.59	2.41E-02	2.60E-02	4.04E-02	8.35E-06	2.52E-05	1.46E-05	1.57E-05	1.42E-05	6.50E-06	1.01E-05	2.79E-07	6.73E-06	1.49E-06	2.13E-06	3.38E-06	5.96E-07	6.67E-07	1.53E-05
5683	484830.81	3855012.51	2.66E-02	2.86E-02	4.44E-02	9.20E-06	2.78E-05	1.61E-05	1.73E-05	1.57E-05	7.16E-06	1.11E-05	3.07E-07	7.42E-06	1.64E-06	2.35E-06	3.73E-06	6.57E-07	7.34E-07	1.68E-05
5684	484905.48	3855075.97	2.94E-02	3.16E-02	4.91E-02	1.02E-05	3.07E-05	1.78E-05	1.91E-05	1.73E-05	7.91E-06	1.23E-05	3.39E-07	8.20E-06	1.81E-06	2.60E-06	4.12E-06	7.26E-07	8.11E-07	1.86E-05
5685	484980.14	3855139.44	3.12E-02	3.36E-02	5.23E-02	1.08E-05	3.26E-05	1.89E-05	2.03E-05	1.84E-05	8.41E-06	1.31E-05	3.61E-07	8.72E-06	1.92E-06	2.76E-06	4.38E-06	7.72E-07	8.63E-07	1.98E-05
5686	485054.81	3855202.91	3.22E-02	3.47E-02	5.40E-02	1.12E-05	3.37E-05	1.95E-05	2.10E-05	1.90E-05	8.68E-06	1.35E-05	3.72E-07	8.99E-06	1.98E-06	2.85E-06	4.52E-06	7.96E-07	8.92E-07	2.04E-05
5687	485129.48	3855266.37	3.20E-02	3.44E-02	5.36E-02	1.11E-05	3.34E-05	1.93E-05	2.08E-05	1.89E-05	8.61E-06	1.34E-05	3.69E-07	8.92E-06	1.97E-06	2.83E-06	4.48E-06	7.90E-07	8.84E-07	2.02E-05
5688	485204.15	3855329.84	3.37E-02	3.63E-02	5.67E-02	1.17E-05	3.52E-05	2.04E-05	2.20E-05	1.99E-05	9.09E-06	1.42E-05	3.90E-07	9.42E-06	2.08E-06	2.98E-06	4.73E-06	8.34E-07	9.36E-07	2.14E-05
5689	485278.82	3855393.31	3.43E-02	3.69E-02	5.77E-02	1.19E-05	3.58E-05	2.07E-05	2.23E-05	2.02E-05	9.23E-06	1.44E-05	3.96E-07	9.56E-06	2.11E-06	3.03E-06	4.81E-06	8.47E-07	9.52E-07	2.17E-05
5690	485353.48	3855456.77	3.53E-02	3.81E-02	5.96E-02	1.22E-05	3.69E-05	2.14E-05	2.30E-05	2.09E-05	9.53E-06	1.49E-05	4.08E-07	9.86E-06	2.18E-06	3.13E-06	4.96E-06	8.74E-07	9.84E-07	2.24E-05
5691	485428.15	3855520.24	3.57E-02	3.84E-02	6.03E-02	1.24E-05	3.73E-05	2.16E-05	2.33E-05	2.11E-05	9.62E-06	1.51E-05	4.12E-07	9.96E-06	2.20E-06	3.16E-06	5.01E-06	8.83E-07	9.96E-07	2.26E-05
5692	485502.82	3855583.71	3.61E-02	3.89E-02	6.12E-02	1.25E-05	3.78E-05	2.19E-05	2.36E-05	2.14E-05	9.75E-06	1.53E-05	4.18E-07	1.01E-05	2.23E-06	3.20E-06	5.08E-06	8.95E-07	1.01E-06	2.29E-05
5693	485577.49	3855647.17	3.75E-02	4.05E-02	6.38E-02	1.30E-05	3.92E-05	2.27E-05	2.45E-05	2.22E-05	1.01E-05	1.60E-05	4.34E-07	1.05E-05	2.31E-06	3.32E-06	5.27E-06	9.29E-07	1.05E-06	2.38E-05
5694	485652.16	3855710.64	3.89E-02	4.19E-02	6.63E-02	1.35E-05	4.06E-05	2.35E-05	2.54E-05	2.30E-05	1.05E-05	1.66E-05	4.49E-07	1.09E-05	2.40E-06	3.45E-06	5.47E-06	9.63E-07	1.09E-06	2.47E-05
5695	485726.83	3855774.11	3.93E-02	4.24E-02	6.72E-02	1.36E-05	4.11E-05	2.38E-05	2.57E-05	2.33E-05	1.06E-05	1.68E-05	4.54E-07	1.10E-05	2.42E-06	3.48E-06	5.53E-06	9.74E-07	1.11E-06	2.49E-05
5696	485801.49	3855837.57	3.92E-02	4.23E-02	6.70E-02	1.36E-05	4.09E-05	2.37E-05	2.56E-05	2.32E-05	1.06E-05	1.68E-05	4.53E-07	1.09E-05	2.41E-06	3.47E-06	5.51E-06	9.71E-07	1.11E-06	2.49E-05
5697	485876.16	3855901.04	3.95E-02	4.26E-02	6.77E-02	1.37E-05	4.13E-05	2.39E-05	2.58E-05	2.34E-05	1.07E-05	1.70E-05	4.56E-07	1.10E-05	2.43E-06	3.50E-06	5.55E-06	9.79E-07	1.12E-06	2.51E-05
5698	485950.83	3855964.5	3.94E-02	4.26E-02	6.77E-02	1.36E-05	4.12E-05	2.38E-05	2.57E-05	2.33E-05	1.06E-05	1.69E-05	4.56E-07	1.10E-05	2.43E-06	3.50E-06	5.55E-06	9.77E-07	1.12E-06	2.50E-05
5699	486025.5	3856027.97	3.88E-02	4.19E-02	6.67E-02	1.34E-05	4.05E-05	2.35E-05	2.53E-05	2.30E-05	1.05E-05	1.67E-05	4.48E-07	1.08E-05	2.39E-06	3.44E-06	5.46E-06	9.61E-07	1.10E-06	2.46E-05
5700	486100.17	3856091.44	4.05E-02	4.38E-02	6.98E-02	1.40E-05	4.23E-05	2.45E-05	2.65E-05	2.40E-05	1.10E-05	1.75E-05	4.68E-07	1.13E-05	2.50E-06	3.60E-06	5.70E-06	1.01E-06	1.15E-06	2.57E-05
5701	486174.83	3856154.9	3.95E-02	4.27E-02	6.82E-02	1.37E-05	4.13E-05	2.39E-05	2.58E-05	2.34E-05	1.07E-05	1.71E-05	4.57E-07	1.10E-05	2.44E-06	3.51E-06	5.57E-06	9.81E-07	1.13E-06	2.51E-05
5702	486249.5	3856218.37	3.71E-02	4.01E-02	6.41E-02	1.28E-05	3.88E-05	2.25E-05	2.43E-05	2.20E-05	1.00E-05	1.60E-05	4.29E-07	1.04E-05	2.29E-06	3.29E-06	5.23E-06	9.21E-07	1.06E-06	2.36E-05
5703	486324.17	3856281.84	3.53E-02	3.82E-02	6.10E-02	1.22E-05	3.69E-05	2.14E-05	2.31E-05	2.09E-05	9.55E-06	1.53E-05	4.08E-07	9.86E-06	2.18E-06	3.13E-06	4.97E-06	8.76E-07	1.01E-06	2.24E-05
5704	486398.84	3856345.3	3.61E-02	3.90E-02	6.23E-02	1.25E-05	3.77E-05	2.18E-05	2.36E-05	2.14E-05	9.75E-06	1.56E-05	4.17E-07	1.01E-05	2.22E-06	3.20E-06	5.08E-06	8.95E-07	1.03E-06	2.29E-05
5705	486473.51	3856408.77	3.62E-02	3.91E-02	6.26E-02	1.25E-05	3.78E-05	2.19E-05	2.37E-05	2.15E-05	9.79E-06	1.57E-05	4.19E-07	1.01E-05	2.23E-06	3.21E-06	5.10E-06	8.99E-07	1.03E-06	2.30E-05
5706	486548.17	3856472.24	3.72E-02	4.02E-02	6.42E-02	1.29E-05	3.88E-05	2.25E-05	2.43E-05	2.20E-05	1.00E-05	1.61E-05	4.30E-07	1.04E-05	2.29E-06	3.30E-06	5.23E-06	9.22E-07	1.06E-06	2.36E-05
5707	486622.84	3856535.7	3.82E-02	4.13E-02	6.60E-02	1.32E-05	3.99E-05	2.31E-05	2.50E-05	2.26E-05	1.03E-05	1.65E-05	4.42E-07	1.07E-05	2.35E-06	3.39E-06	5.38E-06	9.48E-07	1.09E-06	2.43E-05
5708	486765.48	3856659.69	4.10E-02	4.43E-02	7.08E-02	1.42E-05	4.28E-05	2.48E-05	2.68E-05	2.43E-05	1.11E-05	1.77E-05	4.74E-07	1.14E-05	2.52E-06	3.64E-06	5.77E-06	1.02E-06	1.17E-06	2.60E-05
5709	486833.44	3856720.2	4.20E-02	4.54E-02	7.27E-02	1.46E-05	4.39E-05	2.54E-05	2.75E-05	2.49E-05	1.14E-05	1.82E-05	4.86E-07	1.17E-05	2.59E-06	3.73E-06	5.92E-06	1.04E-06	1.20E-06	2.67E-05
5710	486901.41	3856780.72	4.34E-02	4.69E-02	7.51E-02	1.50E-05	4.54E-05	2.63E-05	2.84E-05	2.57E-05	1.17E-05	1.88E-05	5.02E-07	1.21E-05	2.67E-06	3.85E-06	6.11E-06	1.08E-06	1.24E-06	2.76E-05
5711	486969.38	3856841.24	4.45E-02	4.81E-02	7.70E-02	1.54E-05	4.65E-05	2.69E-05	2.91E-05	2.64E-05	1.20E-05	1.93E-05	5.14E-07	1.24E-05	2.74E-06	3.95E-06	6.26E-06	1.10E-06	1.27E-06	2.83E-05
5712	487037.34	3856901.75	4.54E-02	4.91E-02	7.87E-02	1.57E-05	4.75E-05	2.75E-05	2.97E-05	2.69E-05	1.23E-05	1.97E-05	5.25E-07	1.27E-05	2.80E-06	4.03E-06	6.40E-06	1.13E-06	1.30E-06	2.89E-05
5713	487271.23	3856855.51	3.79E-02	4.09E-02	6.55E-02	1.31E-05	3.96E-05	2.29E-05	2.48E-05	2.25E-05	1.02E-05	1.64E-05	4.38E-07	1.06E-05	2.33E-06	3.36E-06	5.34E-06	9.40E-07	1.08E-06	2.41E-05
5714	487368.96	3856857.29	3.60E-02	3.89E-02	6.23E-02	1.25E-05	3.77E-05	2.18E-05	2.36E-05	2.14E-05	9.75E-06	1.56E-05	4.17E-07	1.01E-05	2.22E-06	3.20E-06	5.08E-06	8.95E-07	1.03E-06	2.29E-05
5715	487466.68	3856859.06	3.45E-02	3.72E-02	5.96E-02	1.19E-05	3.60E-05	2.08E-05	2.25E-05	2.04E-05	9.32E-06	1.49E-05	3.98E-07	9.62E-06	2.12E-06	3.06E-06	4.85E-06	8.55E-07	9.84E-07	2.19E-05
5716	487636.44	3856930	3.34E-02	3.61E-02	5.78E-02	1.16E-05	3.49E-05	2.02E-05	2.19E-05	1.98E-05	9.04E-06	1.45E-05	3.86E-07	9.33E-06	2.06E-06	2.97E-06	4.71E-06	8.30E-07	9.55E-07	2.12E-05

5717	487709.57	3856928.43	3.23E-02	3.49E-02	5.59E-02	1.12E-05	3.38E-05	1.96E-05	2.11E-05	1.92E-05	8.74E-06	1.40E-05	3.74E-07	9.02E-06	1.99E-06	2.87E-06	4.55E-06	8.02E-07	9.23E-07	2.05E-05
5718	487782.55	3856841.96	2.95E-02	3.19E-02	5.11E-02	1.02E-05	3.09E-05	1.79E-05	1.93E-05	1.75E-05	7.99E-06	1.28E-05	3.42E-07	8.25E-06	1.82E-06	2.62E-06	4.16E-06	7.33E-07	8.43E-07	1.88E-05
5719	487849.83	3856754.74	2.73E-02	2.95E-02	4.71E-02	9.44E-06	2.85E-05	1.65E-05	1.78E-05	1.62E-05	7.37E-06	1.18E-05	3.15E-07	7.61E-06	1.68E-06	2.42E-06	3.84E-06	6.76E-07	7.77E-07	1.73E-05
5720	487918.03	3856819.39	2.77E-02	2.99E-02	4.78E-02	9.58E-06	2.89E-05	1.67E-05	1.81E-05	1.64E-05	7.48E-06	1.20E-05	3.20E-07	7.73E-06	1.70E-06	2.46E-06	3.90E-06	6.87E-07	7.89E-07	1.76E-05
5721	487918.8	3856886.37	2.88E-02	3.11E-02	4.98E-02	9.97E-06	3.01E-05	1.74E-05	1.88E-05	1.71E-05	7.79E-06	1.25E-05	3.33E-07	8.04E-06	1.77E-06	2.56E-06	4.06E-06	7.15E-07	8.22E-07	1.83E-05
5722	488065.47	3857127.51	3.08E-02	3.33E-02	5.35E-02	1.07E-05	3.22E-05	1.87E-05	2.02E-05	1.83E-05	8.35E-06	1.34E-05	3.57E-07	8.61E-06	1.90E-06	2.74E-06	4.35E-06	7.66E-07	8.83E-07	1.96E-05
5723	488192.19	3857385.84	3.33E-02	3.60E-02	5.79E-02	1.15E-05	3.48E-05	2.01E-05	2.18E-05	1.97E-05	9.00E-06	1.45E-05	3.84E-07	9.28E-06	2.05E-06	2.95E-06	4.69E-06	8.26E-07	9.56E-07	2.11E-05
5724	488191.22	3857473.87	3.47E-02	3.76E-02	6.05E-02	1.20E-05	3.63E-05	2.10E-05	2.27E-05	2.06E-05	9.40E-06	1.51E-05	4.01E-07	9.70E-06	2.14E-06	3.09E-06	4.90E-06	8.63E-07	9.99E-07	2.21E-05
5725	488190.24	3857561.91	3.62E-02	3.92E-02	6.32E-02	1.25E-05	3.79E-05	2.19E-05	2.37E-05	2.15E-05	9.81E-06	1.58E-05	4.19E-07	1.01E-05	2.23E-06	3.22E-06	5.11E-06	9.00E-07	1.04E-06	2.30E-05
5726	488158.35	3857691.13	3.95E-02	4.27E-02	6.89E-02	1.37E-05	4.12E-05	2.39E-05	2.58E-05	2.34E-05	1.07E-05	1.72E-05	4.56E-07	1.10E-05	2.43E-06	3.51E-06	5.56E-06	9.81E-07	1.14E-06	2.51E-05
5727	488208.37	3857816.66	4.03E-02	4.36E-02	7.04E-02	1.39E-05	4.21E-05	2.44E-05	2.64E-05	2.39E-05	1.09E-05	1.76E-05	4.66E-07	1.12E-05	2.48E-06	3.58E-06	5.68E-06	1.00E-06	1.16E-06	2.56E-05
5728	488271.97	3857874.6	3.92E-02	4.24E-02	6.85E-02	1.36E-05	4.09E-05	2.37E-05	2.56E-05	2.32E-05	1.06E-05	1.71E-05	4.53E-07	1.09E-05	2.41E-06	3.48E-06	5.52E-06	9.73E-07	1.13E-06	2.49E-05
5729	488463.56	3857942.31	3.44E-02	3.72E-02	6.00E-02	1.19E-05	3.59E-05	2.08E-05	2.25E-05	2.04E-05	9.31E-06	1.50E-05	3.98E-07	9.60E-06	2.12E-06	3.06E-06	4.85E-06	8.55E-07	9.91E-07	2.19E-05
5730	488554.83	3857940.83	3.22E-02	3.48E-02	5.61E-02	1.11E-05	3.36E-05	1.95E-05	2.11E-05	1.91E-05	8.71E-06	1.40E-05	3.72E-07	8.98E-06	1.98E-06	2.86E-06	4.53E-06	7.99E-07	9.26E-07	2.05E-05
5731	488646.1	3857939.36	3.02E-02	3.27E-02	5.26E-02	1.05E-05	3.16E-05	1.83E-05	1.98E-05	1.79E-05	8.18E-06	1.32E-05	3.49E-07	8.44E-06	1.86E-06	2.68E-06	4.26E-06	7.51E-07	8.69E-07	1.92E-05
5732	488737.37	3857937.88	2.85E-02	3.08E-02	4.96E-02	9.86E-06	2.98E-05	1.72E-05	1.86E-05	1.69E-05	7.71E-06	1.24E-05	3.29E-07	7.95E-06	1.75E-06	2.53E-06	4.01E-06	7.07E-07	8.18E-07	1.81E-05
5733	488733.59	3857960.57	2.86E-02	3.10E-02	4.99E-02	9.91E-06	2.99E-05	1.73E-05	1.87E-05	1.70E-05	7.75E-06	1.25E-05	3.31E-07	7.99E-06	1.76E-06	2.54E-06	4.04E-06	7.11E-07	8.23E-07	1.82E-05
5734	488638.09	3857961.57	3.05E-02	3.30E-02	5.31E-02	1.06E-05	3.19E-05	1.85E-05	2.00E-05	1.81E-05	8.25E-06	1.33E-05	3.52E-07	8.51E-06	1.88E-06	2.71E-06	4.30E-06	7.58E-07	8.77E-07	1.94E-05
5735	488542.6	3857962.56	3.26E-02	3.53E-02	5.68E-02	1.13E-05	3.41E-05	1.97E-05	2.13E-05	1.93E-05	8.82E-06	1.42E-05	3.77E-07	9.10E-06	2.01E-06	2.90E-06	4.60E-06	8.10E-07	9.38E-07	2.07E-05
5736	488447.1	3857963.56	3.50E-02	3.79E-02	6.11E-02	1.21E-05	3.66E-05	2.12E-05	2.29E-05	2.08E-05	9.48E-06	1.53E-05	4.05E-07	9.78E-06	2.16E-06	3.11E-06	4.94E-06	8.70E-07	1.01E-06	2.23E-05
5737	488254.28	3857890.36	4.00E-02	4.33E-02	7.00E-02	1.38E-05	4.18E-05	2.42E-05	2.62E-05	2.37E-05	1.08E-05	1.75E-05	4.62E-07	1.12E-05	2.46E-06	3.56E-06	5.64E-06	9.94E-07	1.16E-06	2.54E-05
5738	488191.69	3857833.06	4.12E-02	4.46E-02	7.21E-02	1.42E-05	4.30E-05	2.49E-05	2.70E-05	2.44E-05	1.12E-05	1.80E-05	4.76E-07	1.15E-05	2.54E-06	3.66E-06	5.81E-06	1.02E-06	1.19E-06	2.62E-05
5739	488129.5	3857907.43	4.51E-02	4.89E-02	7.93E-02	1.56E-05	4.72E-05	2.73E-05	2.96E-05	2.68E-05	1.22E-05	1.98E-05	5.22E-07	1.26E-05	2.78E-06	4.01E-06	6.37E-06	1.12E-06	1.31E-06	2.87E-05
5740	488196.47	3857968.74	4.36E-02	4.72E-02	7.66E-02	1.51E-05	4.56E-05	2.64E-05	2.86E-05	2.59E-05	1.18E-05	1.92E-05	5.04E-07	1.22E-05	2.69E-06	3.88E-06	6.16E-06	1.08E-06	1.27E-06	2.78E-05
5741	488263.44	3858030.04	4.22E-02	4.57E-02	7.41E-02	1.46E-05	4.41E-05	2.55E-05	2.76E-05	2.50E-05	1.14E-05	1.85E-05	4.87E-07	1.18E-05	2.60E-06	3.75E-06	5.95E-06	1.05E-06	1.22E-06	2.68E-05
5742	488400.64	3858132.9	3.85E-02	4.17E-02	6.74E-02	1.33E-05	4.02E-05	2.33E-05	2.52E-05	2.29E-05	1.04E-05	1.69E-05	4.45E-07	1.08E-05	2.37E-06	3.42E-06	5.43E-06	9.57E-07	1.11E-06	2.45E-05
5743	488519.89	3858218.38	3.42E-02	3.69E-02	5.94E-02	1.18E-05	3.57E-05	2.07E-05	2.24E-05	2.03E-05	9.25E-06	1.49E-05	3.95E-07	9.54E-06	2.10E-06	3.03E-06	4.81E-06	8.48E-07	9.81E-07	2.17E-05
5744	488647.97	3858214.99	3.02E-02	3.26E-02	5.24E-02	1.05E-05	3.16E-05	1.83E-05	1.98E-05	1.79E-05	8.17E-06	1.31E-05	3.49E-07	8.43E-06	1.86E-06	2.68E-06	4.25E-06	7.50E-07	8.66E-07	1.92E-05
5745	488727.05	3858167.67	2.86E-02	3.09E-02	4.96E-02	9.89E-06	2.99E-05	1.73E-05	1.87E-05	1.69E-05	7.73E-06	1.24E-05	3.30E-07	7.98E-06	1.76E-06	2.54E-06	4.03E-06	7.10E-07	8.20E-07	1.82E-05
5746	488806.12	3858120.35	2.72E-02	2.94E-02	4.72E-02	9.41E-06	2.84E-05	1.64E-05	1.78E-05	1.61E-05	7.36E-06	1.18E-05	3.14E-07	7.59E-06	1.67E-06	2.41E-06	3.83E-06	6.75E-07	7.80E-07	1.73E-05
5747	488885.2	3858073.03	2.59E-02	2.80E-02	4.51E-02	8.98E-06	2.71E-05	1.57E-05	1.70E-05	1.54E-05	7.02E-06	1.13E-05	3.00E-07	7.24E-06	1.60E-06	2.30E-06	3.65E-06	6.44E-07	7.44E-07	1.65E-05
5748	489055.76	3857991.18	2.36E-02	2.56E-02	4.11E-02	8.18E-06	2.47E-05	1.43E-05	1.55E-05	1.40E-05	6.40E-06	1.03E-05	2.73E-07	6.60E-06	1.46E-06	2.10E-06	3.33E-06	5.87E-07	6.79E-07	1.50E-05
5749	489245.39	3857944.55	2.15E-02	2.33E-02	3.74E-02	7.45E-06	2.25E-05	1.30E-05	1.41E-05	1.28E-05	5.82E-06	9.37E-06	2.49E-07	6.01E-06	1.33E-06	1.91E-06	3.03E-06	5.34E-07	6.18E-07	1.37E-05
5750	489430.63	3857930.91	1.97E-02	2.13E-02	3.42E-02	6.81E-06	2.06E-05	1.19E-05	1.29E-05	1.17E-05	5.32E-06	8.56E-06	2.27E-07	5.49E-06	1.21E-06	1.75E-06	2.77E-06	4.89E-07	5.65E-07	1.25E-05
5751	489517.74	3857929.36	1.89E-02	2.04E-02	3.28E-02	6.54E-06	1.97E-05	1.14E-05	1.24E-05	1.12E-05	5.11E-06	8.22E-06	2.18E-07	5.27E-06	1.16E-06	1.68E-06	2.66E-06	4.69E-07	5.42E-07	1.20E-05
5752	489604.86	3857927.82	1.82E-02	1.96E-02	3.16E-02	6.28E-06	1.90E-05	1.10E-05	1.19E-05	1.08E-05	4.91E-06	7.90E-06	2.10E-07	5.07E-06	1.12E-06	1.61E-06	2.56E-06	4.51E-07	5.21E-07	1.15E-05
5753	489691.97	3857926.28	1.75E-02	1.89E-02	3.04E-02	6.05E-06	1.83E-05	1.06E-05	1.14E-05	1.04E-05	4.73E-06	7.60E-06	2.02E-07	4.88E-06	1.08E-06	1.55E-06	2.46E-06	4.34E-07	5.01E-07	1.11E-05
5754	489779.08	3857924.73	1.68E-02	1.82E-02	2.92E-02	5.83E-06	1.76E-05	1.02E-05	1.10E-05	9.98E-06	4.55E-06	7.32E-06	1.95E-07	4.70E-06	1.04E-06	1.49E-06	2.37E-06	4.18E-07	4.83E-07	1.07E-05
5755	490017.55	3857875.09	1.54E-02	1.66E-02	2.67E-02	5.32E-06	1.61E-05	9.30E-06	1.01E-05	9.12E-06	4.16E-06	6.68E-06	1.78E-07	4.29E-06	9.47E-07	1.37E-06	2.17E-06	3.82E-07	4.41E-07	9.77E-06
5756	490033.82	3857960.81	1.50E-02	1.63E-02	2.61E-02	5.21E-06	1.57E-05	9.10E-06	9.84E-06	8.92E-06	4.07E-06	6.53E-06	1.74E-07	4.20E-06	9.27E-07	1.34E-06	2.12E-06	3.74E-07	4.31E-07	9.56E-06
5757	489959.15	3857987.49	1.54E-02	1.67E-02	2.67E-02	5.34E-06	1.61E-05	9.33E-06	1.01E-05	9.14E-06	4.17E-06	6.69E-06	1.78E-07	4.31E-06	9.50E-07	1.37E-06	2.17E-06	3.83E-07	4.41E-07	9.80E-06
5758	489791.49	3858016.12	1.64E-02	1.78E-02	2.85E-02	5.68E-06	1.72E-05	9.93E-06	1.07E-05	9.74E-06	4.44E-06	7.13E-06	1.90E-07	4.58E-06	1.01E-06	1.46E-06	2.31E-06	4.08E-07	4.70E-07	1.04E-05
5759	489698.51	3858018.07	1.71E-02	1.85E-02	2.97E-02	5.92E-06	1.79E-05	1.03E-05	1.12E-05	1.01E-05	4.63E-06	7.43E-06	1.98E-07	4.77E-06	1.05E-06	1.52E-06	2.41E-06	4.25E-07	4.90E-07	1.09E-05
5760	489605.52	3858020.02	1.78E-02	1.93E-02	3.10E-02	6.17E-06	1.86E-05	1.08E-05	1.17E-05	1.06E-05	4.82E-06	7.75E-06	2.06E-07	4.98E-06	1.10E-06	1.58E-06	2.51E-06	4.43E-07	5.11E-07	1.13E-05
5761	489512.53	3858021.96	1.86E-02	2.01E-02	3.23E-02	6.44E-06	1.94E-05	1.13E-05	1.22E-05	1.10E-05	5.04E-06	8.09E-06	2.15E-07	5.20E-06	1.15E-06	1.65E-06	2.62E-06	4.62E-07	5.34E-07	1.18E-05
5762	489419.55	3858023.91	1.95E-02	2.10E-02	3.38E-02	6.73E-06	2.03E-05	1.18E-05	1.27E-05	1.15E-05	5.26E-06	8.46E-06	2.25E-07	5.43E-06	1.20E-06	1.73E-06	2.74E-06	4.83E-07	5.58E-07	1.24E-05
5763	489228.47	3858041.29	2.14E-02	2.31E-02	3.72E-02	7.41E-06	2.24E-05	1.30E-05	1.40E-05	1.27E-05	5.79E-06	9.32E-06	2.47E-07	5.98E-06	1.32E-06	1.90E-06	3.02E-06	5.32E-07	6.15E-07	1.36E-05
5764	489065.75	3858085.78	2.32E-02	2.51E-02	4.03E-02	8.03E-06	2.42E-05	1.40E-05	1.52E-05	1.38E-05	6.28E-06	1.01E-05	2.68E-07	6.48E-06	1.43E-06	2.06E-06	3.27E-06	5.76E-07	6.66E-07	1.47E-05
5765	489001.12	3858114.86	2.40E-02	2.59E-02	4.16E-02	8.29E-06	2.50E-05	1.45E-05	1.57E-05	1.42E-05	6.48E-06	1.04E-05	2.77E-07	6.69E-06	1.48E-06	2.13E-06	3.38E-06	5.95E-07	6.87E-07	1.52E-05
5766	488861.89	3858189.81	2.58E-02	2.79E-02	4.48E-02	8.92E-06	2.69E-05	1.56E-05	1.69E-05	1.53E-05	6.97E-06	1.12E-05	2.98E-07	7.19E-06	1.59E-06	2.29E-06	3.63E-06	6.40E-07	7.39E-07	1.64E-05
5767	488787.29	3858235.69	2.67E-02	2.89E-02	4.63E-02	9.24E-06	2.79E-05	1.62E-05	1.75E-05	1.58E-05	7.22E-06	1.16E-05	3.09E-07	7.45E-06	1.64E-06	2.37E-06	3.76E-06	6.63E-07	7.64E-07	1.70E-05
5768	488712.68	3858281.57	2.78E-02	3.01E-02	4.82E-02	9.63E-06	2.91E-05	1.68E-05	1.82E-05	1.65E-05	7.53E-06	1.21E-05	3.22E-07	7.77E-06	1.71E-06	2.47E-06	3.92E-06	6.91E-07	7.96E-07	1.77E-05
5769	488654.39	3858436.17	2.53E-02	2.73E-02	4.28E-02	8.77E-06	2.65E-05	1.53E-05	1.65E-05	1.50E-05	6.83E-06	1.07E-05	2.93E-07	7.08E-06	1.56E-06	2.24E-06	3.56E-06	6.27E-07	7.07E-07	1.61E-05
5770	488726.31	3858505.26	2.21E-02	2.37E-02	3.64E-02	7.63E-06	2.30E-05	1.33E-05	1.43E-05	1.30E-05	5.93E-06	9.11E-06	2.55E-07	6.16E-06	1.36E-06	1.95E-06	3.09E-06	5.44E-07	6.01E-07	1.40E-05
5771	488880.6	3858599.28	1.82E-02	1.95E-02	2.93E-02	6.31E-06	1.91E-05	1.10E-05	1.18E-05	1.07E-05	4.89E-06	7.33E-06	2.11E-07	5.09E-06	1.12E-06	1.60E-06	2.55E-06	4.49E-07	4.83E-07	1.15E-05
5772	489008.06	3858714.75	1.58E-02	1.68E-02	2.44E-02	5.46E-06	1.65E-05	9.54E-06	1.02E-05	9.23E-06	4.21E-06	6.11E-06	1.82E-07	4.40E-06	9.72E-07	1.38E-06	2.19E-06	3.86E-07	4.03E-07	9.92E-06
5773	489071.48	3858772.72	1.47E-02	1.57E-02	2.25E-02	5.09E-06	1.54E-05	8.89E-06	9.47E-06	8.59E-06	3.92E-06	5.63E-06	1.70E-07	4.10E-06	9.06E-07	1.29E-06	2.04E-06	3.60E-07	3.71E-07	9.24E-06
5774	489244.6	3858920.2	1.07E-02	1.14E-02	1.69E-02	3.71E-06	1.12E-05	6.48E-06	6.93E-06	6.28E-06	2.86E-06	4.23E-06	1.24E-07	2.99E-06	6.60E-07	9.40E-07	1.49E-06	2.63E-07	2.79E-07	6.75E-06
5775	489239.69	3858952.23	1.01E-02	1.08E-02	1.60E-02	3.51E-06	1.06E-05	6.13E-06	6.55E-06	5.94E-06	2.71E-06	4.02E-06	1.17E-07	2.83E-06	6.24E-07	8.90E-07	1.41E-06	2.49E-07	2.65E-07	6.38E-06

5776	489121.67	3858854.49	1.30E-02	1.39E-02	1.98E-02	4.51E-06	1.36E-05	7.88E-06	8.39E-06	7.60E-06	3.47E-06	4.96E-06	1.50E-07	3.64E-06	8.02E-07	1.14E-06	1.81E-06	3.18E-07	3.27E-07	8.18E-06
5777	489059.59	3858797.27	1.47E-02	1.56E-02	2.21E-02	5.08E-06	1.53E-05	8.87E-06	9.44E-06	8.55E-06	3.90E-06	5.54E-06	1.69E-07	4.09E-06	9.03E-07	1.28E-06	2.03E-06	3.58E-07	3.65E-07	9.20E-06
5778	488997.52	3858740.04	1.58E-02	1.68E-02	2.41E-02	5.46E-06	1.65E-05	9.54E-06	1.02E-05	9.21E-06	4.20E-06	6.02E-06	1.82E-07	4.40E-06	9.71E-07	1.38E-06	2.19E-06	3.85E-07	3.97E-07	9.90E-06
5779	488935.44	3858682.82	1.68E-02	1.79E-02	2.60E-02	5.80E-06	1.75E-05	1.01E-05	1.08E-05	9.81E-06	4.48E-06	6.52E-06	1.94E-07	4.68E-06	1.03E-06	1.47E-06	2.33E-06	4.11E-07	4.30E-07	1.05E-05
5780	488869.17	3858848.43	2.10E-02	2.20E-02	2.76E-02	7.26E-06	2.19E-05	1.27E-05	1.33E-05	1.21E-05	5.50E-06	6.90E-06	2.42E-07	5.85E-06	1.29E-06	1.81E-06	2.86E-06	5.05E-07	4.55E-07	1.30E-05
5781	488932.48	3858892.69	1.64E-02	1.73E-02	2.27E-02	5.69E-06	1.72E-05	9.95E-06	1.05E-05	9.50E-06	4.34E-06	5.67E-06	1.90E-07	4.59E-06	1.01E-06	1.42E-06	2.26E-06	3.98E-07	3.74E-07	1.02E-05
5782	489063.27	3858977.17	1.02E-02	1.09E-02	1.58E-02	3.53E-06	1.07E-05	6.17E-06	6.59E-06	5.97E-06	2.72E-06	3.96E-06	1.18E-07	2.85E-06	6.29E-07	8.94E-07	1.42E-06	2.50E-07	2.61E-07	6.42E-06
5783	489248.2	3859117.15	7.45E-03	7.99E-03	1.22E-02	2.58E-06	7.79E-06	4.51E-06	4.84E-06	4.39E-06	2.00E-06	3.05E-06	8.61E-08	2.08E-06	4.59E-07	6.57E-07	1.04E-06	1.84E-07	2.01E-07	4.71E-06
5784	489296.25	3859049.22	8.38E-03	8.98E-03	1.36E-02	2.90E-06	8.75E-06	5.07E-06	5.43E-06	4.93E-06	2.25E-06	3.40E-06	9.68E-08	2.34E-06	5.16E-07	7.38E-07	1.17E-06	2.06E-07	2.24E-07	5.29E-06
5785	489353.38	3858993.97	9.11E-03	9.77E-03	1.47E-02	3.15E-06	9.52E-06	5.51E-06	5.91E-06	5.36E-06	2.44E-06	3.68E-06	1.05E-07	2.54E-06	5.61E-07	8.02E-07	1.27E-06	2.24E-07	2.43E-07	5.75E-06
5786	489537.25	3859120.22	7.39E-03	7.94E-03	1.22E-02	2.56E-06	7.72E-06	4.47E-06	4.80E-06	4.35E-06	1.99E-06	3.06E-06	8.54E-08	2.06E-06	4.55E-07	6.52E-07	1.03E-06	1.82E-07	2.02E-07	4.67E-06
5787	489726.98	3859246.04	6.27E-03	6.74E-03	1.05E-02	2.17E-06	6.55E-06	3.79E-06	4.08E-06	3.70E-06	1.69E-06	2.62E-06	7.24E-08	1.75E-06	3.86E-07	5.54E-07	8.79E-07	1.55E-07	1.73E-07	3.97E-06
5788	489911.46	3859366.33	5.50E-03	5.92E-03	9.24E-03	1.90E-06	5.74E-06	3.33E-06	3.58E-06	3.25E-06	1.48E-06	2.31E-06	6.35E-08	1.53E-06	3.39E-07	4.86E-07	7.71E-07	1.36E-07	1.53E-07	3.48E-06
5789	490035.3	3859430.26	5.14E-03	5.54E-03	8.66E-03	1.78E-06	5.37E-06	3.11E-06	3.35E-06	3.04E-06	1.39E-06	2.17E-06	5.94E-08	1.44E-06	3.17E-07	4.55E-07	7.21E-07	1.27E-07	1.43E-07	3.26E-06
5790	490101.11	3859458.61	5.00E-03	5.39E-03	8.44E-03	1.73E-06	5.23E-06	3.03E-06	3.26E-06	2.96E-06	1.35E-06	2.11E-06	5.79E-08	1.40E-06	3.08E-07	4.43E-07	7.03E-07	1.24E-07	1.39E-07	3.17E-06
5791	490312.68	3859560.3	4.57E-03	4.93E-03	7.74E-03	1.58E-06	4.78E-06	2.77E-06	2.98E-06	2.70E-06	1.23E-06	1.94E-06	5.29E-08	1.28E-06	2.82E-07	4.05E-07	6.42E-07	1.13E-07	1.28E-07	2.90E-06
5792	490401.63	3859603.12	4.42E-03	4.76E-03	7.48E-03	1.53E-06	4.62E-06	2.67E-06	2.88E-06	2.61E-06	1.19E-06	1.87E-06	5.10E-08	1.23E-06	2.72E-07	3.91E-07	6.20E-07	1.09E-07	1.23E-07	2.80E-06
5793	490490.57	3859645.94	4.27E-03	4.61E-03	7.24E-03	1.48E-06	4.47E-06	2.59E-06	2.79E-06	2.53E-06	1.15E-06	1.81E-06	4.94E-08	1.19E-06	2.63E-07	3.78E-07	6.00E-07	1.06E-07	1.20E-07	2.71E-06
5794	490579.51	3859688.76	4.14E-03	4.47E-03	7.03E-03	1.43E-06	4.33E-06	2.51E-06	2.70E-06	2.45E-06	1.12E-06	1.76E-06	4.79E-08	1.16E-06	2.55E-07	3.67E-07	5.82E-07	1.03E-07	1.16E-07	2.63E-06
5795	490668.45	3859731.58	4.02E-03	4.34E-03	6.84E-03	1.39E-06	4.21E-06	2.43E-06	2.63E-06	2.38E-06	1.09E-06	1.71E-06	4.65E-08	1.12E-06	2.48E-07	3.56E-07	5.65E-07	9.97E-08	1.13E-07	2.55E-06
5796	490757.4	3859774.4	3.90E-03	4.20E-03	6.63E-03	1.35E-06	4.07E-06	2.36E-06	2.54E-06	2.31E-06	1.05E-06	1.66E-06	4.50E-08	1.09E-06	2.40E-07	3.45E-07	5.48E-07	9.65E-08	1.09E-07	2.47E-06
5797	491003.53	3859861.82	3.67E-03	3.96E-03	6.26E-03	1.27E-06	3.84E-06	2.22E-06	2.40E-06	2.17E-06	9.92E-07	1.57E-06	4.25E-08	1.03E-06	2.26E-07	3.26E-07	5.17E-07	9.10E-08	1.03E-07	2.33E-06
5798	491081.41	3859879.05	3.63E-03	3.92E-03	6.19E-03	1.26E-06	3.80E-06	2.20E-06	2.37E-06	2.15E-06	9.81E-07	1.55E-06	4.20E-08	1.01E-06	2.24E-07	3.22E-07	5.11E-07	9.00E-08	1.02E-07	2.30E-06
5799	491229.76	3859917.82	3.53E-03	3.81E-03	6.02E-03	1.22E-06	3.69E-06	2.14E-06	2.31E-06	2.09E-06	9.54E-07	1.51E-06	4.08E-08	9.87E-07	2.18E-07	3.13E-07	4.97E-07	8.75E-08	9.94E-08	2.24E-06
5800	491300.22	3859939.35	3.48E-03	3.75E-03	5.93E-03	1.20E-06	3.63E-06	2.10E-06	2.27E-06	2.06E-06	9.39E-07	1.48E-06	4.02E-08	9.71E-07	2.14E-07	3.08E-07	4.89E-07	8.61E-08	9.79E-08	2.21E-06
5801	491350.49	3860012.03	3.29E-03	3.55E-03	5.61E-03	1.14E-06	3.44E-06	1.99E-06	2.15E-06	1.95E-06	8.88E-07	1.40E-06	3.80E-08	9.18E-07	2.03E-07	2.91E-07	4.62E-07	8.15E-08	9.26E-08	2.09E-06
5802	491406.82	3860092.57	3.11E-03	3.35E-03	5.30E-03	1.08E-06	3.25E-06	1.88E-06	2.03E-06	1.84E-06	8.39E-07	1.33E-06	3.59E-08	8.67E-07	1.91E-07	2.75E-07	4.37E-07	7.70E-08	8.74E-08	1.97E-06
5803	491483.37	3860121.96	3.06E-03	3.30E-03	5.21E-03	1.06E-06	3.19E-06	1.85E-06	1.99E-06	1.81E-06	8.25E-07	1.30E-06	3.53E-08	8.53E-07	1.88E-07	2.71E-07	4.30E-07	7.57E-08	8.60E-08	1.94E-06
5804	491559.91	3860151.36	3.00E-03	3.24E-03	5.12E-03	1.04E-06	3.14E-06	1.82E-06	1.96E-06	1.78E-06	8.11E-07	1.28E-06	3.47E-08	8.39E-07	1.85E-07	2.66E-07	4.22E-07	7.44E-08	8.46E-08	1.91E-06
5805	491711.81	3860237.76	2.91E-03	3.14E-03	4.98E-03	1.01E-06	3.05E-06	1.76E-06	1.90E-06	1.72E-06	7.87E-07	1.25E-06	3.37E-08	8.14E-07	1.80E-07	2.58E-07	4.10E-07	7.22E-08	8.22E-08	1.85E-06
5806	491755.2	3860319.07	2.70E-03	2.91E-03	4.60E-03	9.33E-07	2.82E-06	1.63E-06	1.76E-06	1.59E-06	7.28E-07	1.15E-06	3.12E-08	7.52E-07	1.66E-07	2.39E-07	3.79E-07	6.68E-08	7.59E-08	1.71E-06
5807	491704.71	3860366.54	2.61E-03	2.81E-03	4.45E-03	9.03E-07	2.73E-06	1.58E-06	1.70E-06	1.54E-06	7.04E-07	1.11E-06	3.01E-08	7.28E-07	1.61E-07	2.31E-07	3.67E-07	6.46E-08	7.34E-08	1.65E-06
5808	491623.43	3860462.39	2.43E-03	2.62E-03	4.14E-03	8.41E-07	2.54E-06	1.47E-06	1.58E-06	1.44E-06	6.56E-07	1.04E-06	2.81E-08	6.78E-07	1.50E-07	2.15E-07	3.41E-07	6.02E-08	6.84E-08	1.54E-06
5809	491534.02	3860439.85	2.52E-03	2.71E-03	4.29E-03	8.71E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.79E-07	1.07E-06	2.91E-08	7.02E-07	1.55E-07	2.23E-07	3.54E-07	6.23E-08	7.09E-08	1.60E-06
5810	491313.95	3860268.18	2.69E-03	2.90E-03	4.59E-03	9.32E-07	2.81E-06	1.63E-06	1.76E-06	1.59E-06	7.27E-07	1.15E-06	3.11E-08	7.52E-07	1.66E-07	2.39E-07	3.79E-07	6.67E-08	7.57E-08	1.71E-06
5811	491187.12	3860143.56	2.95E-03	3.18E-03	5.01E-03	1.02E-06	3.08E-06	1.78E-06	1.92E-06	1.74E-06	7.95E-07	1.26E-06	3.41E-08	8.23E-07	1.82E-07	2.61E-07	4.14E-07	7.30E-08	8.28E-08	1.87E-06
5812	491070.43	3860075.97	3.09E-03	3.33E-03	5.26E-03	1.07E-06	3.23E-06	1.87E-06	2.02E-06	1.83E-06	8.34E-07	1.32E-06	3.57E-08	8.62E-07	1.90E-07	2.74E-07	4.34E-07	7.65E-08	8.68E-08	1.96E-06
5813	490995.09	3860039.39	3.16E-03	3.41E-03	5.38E-03	1.10E-06	3.31E-06	1.91E-06	2.06E-06	1.87E-06	8.54E-07	1.35E-06	3.66E-08	8.83E-07	1.95E-07	2.80E-07	4.45E-07	7.84E-08	8.88E-08	2.01E-06
5814	490919.75	3860002.8	3.24E-03	3.50E-03	5.51E-03	1.12E-06	3.39E-06	1.96E-06	2.12E-06	1.92E-06	8.75E-07	1.38E-06	3.75E-08	9.05E-07	2.00E-07	2.87E-07	4.56E-07	8.03E-08	9.10E-08	2.06E-06
5815	490756.81	3859894.53	3.52E-03	3.79E-03	5.98E-03	1.22E-06	3.68E-06	2.13E-06	2.30E-06	2.08E-06	9.49E-07	1.50E-06	4.07E-08	9.82E-07	2.17E-07	3.12E-07	4.94E-07	8.71E-08	9.87E-08	2.23E-06
5816	490668.07	3859860.92	3.58E-03	3.87E-03	6.09E-03	1.24E-06	3.75E-06	2.17E-06	2.34E-06	2.12E-06	9.67E-07	1.52E-06	4.14E-08	1.00E-06	2.21E-07	3.18E-07	5.04E-07	8.88E-08	1.01E-07	2.27E-06
5817	490579.34	3859827.3	3.66E-03	3.95E-03	6.22E-03	1.27E-06	3.83E-06	2.22E-06	2.39E-06	2.17E-06	9.89E-07	1.56E-06	4.23E-08	1.02E-06	2.26E-07	3.24E-07	5.15E-07	9.07E-08	1.03E-07	2.32E-06
5818	490490.6	3859793.68	3.74E-03	4.03E-03	6.34E-03	1.29E-06	3.90E-06	2.26E-06	2.44E-06	2.21E-06	1.01E-06	1.59E-06	4.32E-08	1.04E-06	2.30E-07	3.31E-07	5.25E-07	9.25E-08	1.05E-07	2.37E-06
5819	490401.86	3859760.07	3.81E-03	4.11E-03	6.46E-03	1.32E-06	3.99E-06	2.31E-06	2.49E-06	2.25E-06	1.03E-06	1.62E-06	4.41E-08	1.06E-06	2.35E-07	3.38E-07	5.36E-07	9.44E-08	1.07E-07	2.42E-06
5820	490313.12	3859726.45	3.90E-03	4.21E-03	6.61E-03	1.35E-06	4.08E-06	2.36E-06	2.55E-06	2.31E-06	1.05E-06	1.65E-06	4.51E-08	1.09E-06	2.40E-07	3.46E-07	5.48E-07	9.66E-08	1.09E-07	2.47E-06
5821	490224.39	3859692.83	4.00E-03	4.31E-03	6.77E-03	1.38E-06	4.18E-06	2.42E-06	2.61E-06	2.36E-06	1.08E-06	1.69E-06	4.62E-08	1.12E-06	2.46E-07	3.54E-07	5.62E-07	9.90E-08	1.12E-07	2.54E-06
5822	490135.65	3859659.22	4.11E-03	4.43E-03	6.95E-03	1.42E-06	4.29E-06	2.48E-06	2.68E-06	2.43E-06	1.11E-06	1.74E-06	4.75E-08	1.15E-06	2.53E-07	3.64E-07	5.77E-07	1.02E-07	1.15E-07	2.60E-06
5823	489918.19	3859559.23	4.47E-03	4.81E-03	7.54E-03	1.55E-06	4.67E-06	2.70E-06	2.91E-06	2.64E-06	1.20E-06	1.89E-06	5.16E-08	1.25E-06	2.75E-07	3.95E-07	6.27E-07	1.11E-07	1.24E-07	2.83E-06
5824	489743.61	3859486	4.75E-03	5.12E-03	8.01E-03	1.65E-06	4.97E-06	2.88E-06	3.10E-06	2.81E-06	1.28E-06	2.01E-06	5.50E-08	1.33E-06	2.93E-07	4.21E-07	6.68E-07	1.18E-07	1.32E-07	3.01E-06
5825	489660.32	3859440.27	4.96E-03	5.34E-03	8.35E-03	1.72E-06	5.19E-06	3.00E-06	3.23E-06	2.93E-06	1.34E-06	2.09E-06	5.74E-08	1.39E-06	3.06E-07	4.39E-07	6.97E-07	1.23E-07	1.38E-07	3.15E-06
5826	489577.04	3859394.53	5.19E-03	5.59E-03	8.72E-03	1.80E-06	5.43E-06	3.14E-06	3.38E-06	3.07E-06	1.40E-06	2.18E-06	6.00E-08	1.45E-06	3.20E-07	4.59E-07	7.29E-07	1.28E-07	1.44E-07	3.29E-06
5827	489493.75	3859348.8	5.44E-03	5.86E-03	9.12E-03	1.88E-06	5.69E-06	3.29E-06	3.54E-06	3.21E-06	1.47E-06	2.28E-06	6.29E-08	1.52E-06	3.35E-07	4.81E-07	7.63E-07	1.35E-07	1.51E-07	3.45E-06
5828	489321.28	3859240.02	6.18E-03	6.64E-03	1.03E-02	2.14E-06	6.46E-06	3.74E-06	4.02E-06	3.64E-06	1.66E-06	2.57E-06	7.14E-08	1.72E-06	3.81E-07	5.46E-07	8.66E-07	1.53E-07	1.70E-07	3.91E-06
5829	489235.41	3859193.96	6.57E-03	7.06E-03	1.09E-02	2.27E-06	6.86E-06	3.97E-06	4.27E-06	3.87E-06	1.77E-06	2.72E-06	7.59E-08	1.83E-06	4.05E-07	5.80E-07	9.20E-07	1.62E-07	1.79E-07	4.16E-06
5830	489149.54	3859147.89	7.00E-03	7.52E-03	1.15E-02	2.42E-06	7.32E-06	4.24E-06	4.55E-06	4.12E-06	1.88E-06	2.88E-06	8.09E-08	1.95E-06	4.31E-07	6.18E-07	9.80E-07	1.73E-07	1.90E-07	4.43E-06
5831	489063.68	3859101.82	7.55E-03	8.10E-03	1.23E-02	2.61E-06	7.89E-06	4.57E-06	4.90E-06	4.44E-06	2.03E-06	3.08E-06	8.73E-08	2.11E-06	4.65E-07	6.65E-07	1.06E-06	1.86E-07	2.03E-07	4.77E-06
5832	488977.81	3859055.75	8.26E-03	8.85E-03	1.33E-02	2.86E-06	8.63E-06	5.00E-06	5.35E-06	4.85E-06	2.21E-06	3.32E-06	9.55E-08	2.31E-06	5.09E-07	7.27E-07	1.15E-06	2.03E-07	2.19E-07	5.21E-06
5833	488891.94	3859009.69	9.20E-03	9.84E-03	1.45E-02	3.19E-06	9.62E-06	5.57E-06	5.95E-06	5.39E-06	2.46E-06	3.63E-06	1.06E-07	2.57E-06	5.67E-07	8.08E-07	1.28E-06	2.26E-07	2.39E-07	5.80E-06
5834	488808	3859060.73	8.13E-03	8.72E-03	1.31E-02	2.82E-06	8.50E-06	4.92E-06	5.27E-06	4.78E-06	2.18E-06	3.28E-06	9.40E-08	2.27E-06	5.01E-07	7.16E-07	1.14E-06	2.00E-07	2.17E-07	5.14E-06

5835	488809.93	3859157.85	6.98E-03	7.50E-03	1.15E-02	2.42E-06	7.29E-06	4.22E-06	4.54E-06	4.11E-06	1.88E-06	2.87E-06	8.07E-08	1.95E-06	4.30E-07	6.16E-07	9.77E-07	1.72E-07	1.90E-07	4.41E-06
5836	488811.86	3859254.96	6.20E-03	6.67E-03	1.03E-02	2.15E-06	6.48E-06	3.75E-06	4.04E-06	3.66E-06	1.67E-06	2.58E-06	7.17E-08	1.73E-06	3.82E-07	5.48E-07	8.69E-07	1.53E-07	1.70E-07	3.93E-06
5837	488813.78	3859352.07	5.61E-03	6.03E-03	9.37E-03	1.94E-06	5.86E-06	3.39E-06	3.65E-06	3.31E-06	1.51E-06	2.35E-06	6.48E-08	1.57E-06	3.45E-07	4.96E-07	7.86E-07	1.39E-07	1.55E-07	3.55E-06
5838	488815.71	3859449.19	5.13E-03	5.52E-03	8.60E-03	1.77E-06	5.36E-06	3.10E-06	3.34E-06	3.03E-06	1.38E-06	2.15E-06	5.92E-08	1.43E-06	3.16E-07	4.53E-07	7.19E-07	1.27E-07	1.42E-07	3.25E-06
5839	488910.04	3859547.11	4.71E-03	5.07E-03	7.92E-03	1.63E-06	4.92E-06	2.85E-06	3.07E-06	2.78E-06	1.27E-06	1.98E-06	5.44E-08	1.31E-06	2.90E-07	4.16E-07	6.61E-07	1.16E-07	1.31E-07	2.98E-06
5840	489002.45	3859547.91	4.70E-03	5.06E-03	7.91E-03	1.63E-06	4.91E-06	2.84E-06	3.06E-06	2.77E-06	1.27E-06	1.98E-06	5.43E-08	1.31E-06	2.89E-07	4.15E-07	6.59E-07	1.16E-07	1.31E-07	2.98E-06
5841	489094.85	3859548.72	4.68E-03	5.04E-03	7.88E-03	1.62E-06	4.89E-06	2.83E-06	3.05E-06	2.76E-06	1.26E-06	1.97E-06	5.40E-08	1.31E-06	2.88E-07	4.14E-07	6.56E-07	1.16E-07	1.30E-07	2.96E-06
5842	489230.05	3859601.87	4.45E-03	4.79E-03	7.51E-03	1.54E-06	4.65E-06	2.69E-06	2.90E-06	2.63E-06	1.20E-06	1.88E-06	5.14E-08	1.24E-06	2.74E-07	3.94E-07	6.25E-07	1.10E-07	1.24E-07	2.82E-06
5843	489227.52	3859680.89	4.21E-03	4.54E-03	7.11E-03	1.46E-06	4.40E-06	2.55E-06	2.74E-06	2.49E-06	1.14E-06	1.78E-06	4.87E-08	1.18E-06	2.59E-07	3.73E-07	5.91E-07	1.04E-07	1.17E-07	2.67E-06
5844	489133.47	3859760.29	4.00E-03	4.31E-03	6.76E-03	1.38E-06	4.18E-06	2.42E-06	2.61E-06	2.36E-06	1.08E-06	1.69E-06	4.62E-08	1.12E-06	2.46E-07	3.54E-07	5.61E-07	9.89E-08	1.12E-07	2.53E-06
5845	489041.96	3859760.67	4.00E-03	4.31E-03	6.76E-03	1.38E-06	4.18E-06	2.42E-06	2.61E-06	2.36E-06	1.08E-06	1.69E-06	4.62E-08	1.12E-06	2.46E-07	3.54E-07	5.61E-07	9.90E-08	1.12E-07	2.53E-06
5846	488950.45	3859761.05	3.99E-03	4.30E-03	6.74E-03	1.38E-06	4.17E-06	2.41E-06	2.60E-06	2.36E-06	1.08E-06	1.69E-06	4.61E-08	1.11E-06	2.46E-07	3.53E-07	5.60E-07	9.87E-08	1.11E-07	2.53E-06
5847	488858.94	3859761.43	3.97E-03	4.28E-03	6.71E-03	1.38E-06	4.15E-06	2.40E-06	2.59E-06	2.35E-06	1.07E-06	1.68E-06	4.59E-08	1.11E-06	2.45E-07	3.52E-07	5.58E-07	9.83E-08	1.11E-07	2.52E-06
5848	488767.43	3859761.82	3.94E-03	4.25E-03	6.65E-03	1.36E-06	4.12E-06	2.38E-06	2.57E-06	2.33E-06	1.06E-06	1.66E-06	4.56E-08	1.10E-06	2.43E-07	3.49E-07	5.53E-07	9.75E-08	1.10E-07	2.50E-06
5849	488675.92	3859762.2	3.92E-03	4.22E-03	6.60E-03	1.36E-06	4.09E-06	2.37E-06	2.55E-06	2.31E-06	1.06E-06	1.65E-06	4.53E-08	1.09E-06	2.41E-07	3.47E-07	5.50E-07	9.69E-08	1.09E-07	2.48E-06
5850	488584.41	3859762.58	3.88E-03	4.18E-03	6.53E-03	1.34E-06	4.06E-06	2.35E-06	2.53E-06	2.29E-06	1.05E-06	1.64E-06	4.49E-08	1.08E-06	2.39E-07	3.43E-07	5.45E-07	9.60E-08	1.08E-07	2.46E-06
5851	488492.9	3859762.96	3.85E-03	4.15E-03	6.48E-03	1.33E-06	4.03E-06	2.33E-06	2.51E-06	2.28E-06	1.04E-06	1.62E-06	4.45E-08	1.08E-06	2.37E-07	3.41E-07	5.41E-07	9.53E-08	1.07E-07	2.44E-06
5852	488402.76	3859830.95	3.64E-03	3.92E-03	6.13E-03	1.26E-06	3.81E-06	2.20E-06	2.37E-06	2.15E-06	9.82E-07	1.53E-06	4.21E-08	1.02E-06	2.24E-07	3.22E-07	5.11E-07	9.01E-08	1.01E-07	2.31E-06
5853	488404.14	3859898.55	3.46E-03	3.73E-03	5.82E-03	1.20E-06	3.62E-06	2.09E-06	2.26E-06	2.04E-06	9.33E-07	1.46E-06	4.00E-08	9.66E-07	2.13E-07	3.06E-07	4.86E-07	8.56E-08	9.61E-08	2.19E-06
5854	488505.18	3859964.96	3.33E-03	3.59E-03	5.61E-03	1.15E-06	3.48E-06	2.01E-06	2.17E-06	1.97E-06	8.98E-07	1.40E-06	3.85E-08	9.30E-07	2.05E-07	2.95E-07	4.67E-07	8.24E-08	9.26E-08	2.11E-06
5855	488604.85	3859963.76	3.35E-03	3.61E-03	5.66E-03	1.16E-06	3.51E-06	2.03E-06	2.19E-06	1.98E-06	9.04E-07	1.42E-06	3.88E-08	9.37E-07	2.07E-07	2.97E-07	4.71E-07	8.30E-08	9.34E-08	2.13E-06
5856	488704.51	3859962.56	3.38E-03	3.65E-03	5.71E-03	1.17E-06	3.54E-06	2.05E-06	2.21E-06	2.00E-06	9.13E-07	1.43E-06	3.91E-08	9.45E-07	2.09E-07	3.00E-07	4.75E-07	8.38E-08	9.43E-08	2.15E-06
5857	488804.18	3859961.37	3.42E-03	3.68E-03	5.77E-03	1.18E-06	3.57E-06	2.07E-06	2.23E-06	2.02E-06	9.22E-07	1.45E-06	3.95E-08	9.54E-07	2.11E-07	3.03E-07	4.80E-07	8.46E-08	9.53E-08	2.17E-06
5858	488903.85	3859960.17	3.45E-03	3.72E-03	5.83E-03	1.19E-06	3.61E-06	2.09E-06	2.25E-06	2.04E-06	9.31E-07	1.46E-06	3.99E-08	9.63E-07	2.13E-07	3.05E-07	4.85E-07	8.54E-08	9.63E-08	2.19E-06
5859	489003.52	3859958.97	3.47E-03	3.74E-03	5.88E-03	1.20E-06	3.63E-06	2.10E-06	2.27E-06	2.05E-06	9.37E-07	1.47E-06	4.02E-08	9.70E-07	2.14E-07	3.08E-07	4.88E-07	8.60E-08	9.71E-08	2.20E-06
5860	489103.18	3859957.77	3.49E-03	3.76E-03	5.91E-03	1.21E-06	3.65E-06	2.11E-06	2.28E-06	2.06E-06	9.42E-07	1.48E-06	4.04E-08	9.75E-07	2.15E-07	3.09E-07	4.90E-07	8.64E-08	9.76E-08	2.21E-06
5861	489201.48	3860046.59	3.31E-03	3.57E-03	5.61E-03	1.15E-06	3.46E-06	2.00E-06	2.16E-06	1.96E-06	8.92E-07	1.40E-06	3.82E-08	9.24E-07	2.04E-07	2.93E-07	4.65E-07	8.19E-08	9.26E-08	2.10E-06
5862	489200.11	3860136.61	3.12E-03	3.36E-03	5.29E-03	1.08E-06	3.26E-06	1.89E-06	2.04E-06	1.85E-06	8.42E-07	1.32E-06	3.61E-08	8.71E-07	1.92E-07	2.76E-07	4.38E-07	7.73E-08	8.74E-08	1.98E-06
5863	489198.74	3860226.63	2.95E-03	3.18E-03	5.00E-03	1.02E-06	3.08E-06	1.78E-06	1.92E-06	1.74E-06	7.96E-07	1.25E-06	3.41E-08	8.23E-07	1.82E-07	2.61E-07	4.14E-07	7.30E-08	8.26E-08	1.87E-06
5864	489197.38	3860316.66	2.79E-03	3.01E-03	4.73E-03	9.65E-07	2.91E-06	1.69E-06	1.82E-06	1.65E-06	7.52E-07	1.18E-06	3.22E-08	7.78E-07	1.72E-07	2.47E-07	3.92E-07	6.90E-08	7.80E-08	1.77E-06
5865	489196.01	3860406.68	2.64E-03	2.85E-03	4.48E-03	9.15E-07	2.76E-06	1.60E-06	1.72E-06	1.56E-06	7.13E-07	1.12E-06	3.06E-08	7.38E-07	1.63E-07	2.34E-07	3.71E-07	6.55E-08	7.40E-08	1.68E-06
5866	489194.64	3860496.7	2.50E-03	2.70E-03	4.24E-03	8.67E-07	2.62E-06	1.51E-06	1.63E-06	1.48E-06	6.75E-07	1.06E-06	2.89E-08	6.99E-07	1.54E-07	2.22E-07	3.52E-07	6.20E-08	7.01E-08	1.59E-06
5867	489193.27	3860586.72	2.38E-03	2.57E-03	4.04E-03	8.25E-07	2.49E-06	1.44E-06	1.55E-06	1.41E-06	6.43E-07	1.01E-06	2.75E-08	6.65E-07	1.47E-07	2.11E-07	3.35E-07	5.90E-08	6.67E-08	1.51E-06
5868	489092.02	3860678.13	2.25E-03	2.43E-03	3.82E-03	7.80E-07	2.35E-06	1.36E-06	1.47E-06	1.33E-06	6.08E-07	9.55E-07	2.60E-08	6.29E-07	1.39E-07	2.00E-07	3.16E-07	5.58E-08	6.30E-08	1.43E-06
5869	488992.13	3860679.53	2.24E-03	2.41E-03	3.79E-03	7.74E-07	2.34E-06	1.35E-06	1.46E-06	1.32E-06	6.04E-07	9.48E-07	2.59E-08	6.25E-07	1.38E-07	1.98E-07	3.14E-07	5.54E-08	6.26E-08	1.42E-06
5870	488892.25	3860680.92	2.23E-03	2.40E-03	3.77E-03	7.71E-07	2.33E-06	1.35E-06	1.45E-06	1.32E-06	6.00E-07	9.43E-07	2.57E-08	6.21E-07	1.37E-07	1.97E-07	3.13E-07	5.51E-08	6.22E-08	1.41E-06
5871	488792.36	3860682.31	2.21E-03	2.39E-03	3.75E-03	7.67E-07	2.31E-06	1.34E-06	1.44E-06	1.31E-06	5.97E-07	9.38E-07	2.56E-08	6.18E-07	1.36E-07	1.96E-07	3.11E-07	5.48E-08	6.19E-08	1.40E-06
5872	488692.48	3860683.7	2.21E-03	2.38E-03	3.73E-03	7.64E-07	2.31E-06	1.34E-06	1.44E-06	1.30E-06	5.95E-07	9.35E-07	2.55E-08	6.16E-07	1.36E-07	1.95E-07	3.10E-07	5.46E-08	6.16E-08	1.40E-06
5873	488592.59	3860685.1	2.19E-03	2.36E-03	3.71E-03	7.59E-07	2.29E-06	1.33E-06	1.43E-06	1.30E-06	5.91E-07	9.27E-07	2.53E-08	6.12E-07	1.35E-07	1.94E-07	3.08E-07	5.42E-08	6.12E-08	1.39E-06
5874	488492.71	3860686.49	2.19E-03	2.36E-03	3.70E-03	7.59E-07	2.29E-06	1.33E-06	1.43E-06	1.30E-06	5.91E-07	9.27E-07	2.53E-08	6.12E-07	1.35E-07	1.94E-07	3.08E-07	5.42E-08	6.11E-08	1.39E-06
5875	488299.07	3860762.18	2.13E-03	2.29E-03	3.59E-03	7.37E-07	2.23E-06	1.29E-06	1.39E-06	1.26E-06	5.74E-07	9.00E-07	2.46E-08	5.94E-07	1.31E-07	1.88E-07	2.99E-07	5.27E-08	5.93E-08	1.35E-06
5876	488205.32	3860764.09	2.11E-03	2.27E-03	3.56E-03	7.30E-07	2.20E-06	1.28E-06	1.37E-06	1.25E-06	5.69E-07	8.90E-07	2.44E-08	5.89E-07	1.30E-07	1.87E-07	2.96E-07	5.22E-08	5.87E-08	1.34E-06
5877	488111.56	3860766	2.08E-03	2.25E-03	3.51E-03	7.21E-07	2.18E-06	1.26E-06	1.36E-06	1.23E-06	5.62E-07	8.79E-07	2.41E-08	5.82E-07	1.28E-07	1.84E-07	2.93E-07	5.16E-08	5.80E-08	1.32E-06
5878	488017.81	3860767.91	2.06E-03	2.22E-03	3.47E-03	7.14E-07	2.15E-06	1.25E-06	1.34E-06	1.22E-06	5.56E-07	8.69E-07	2.38E-08	5.76E-07	1.27E-07	1.82E-07	2.89E-07	5.10E-08	5.73E-08	1.31E-06
5879	487924.06	3860769.81	2.05E-03	2.20E-03	3.44E-03	7.08E-07	2.14E-06	1.24E-06	1.33E-06	1.21E-06	5.51E-07	8.62E-07	2.36E-08	5.71E-07	1.26E-07	1.81E-07	2.87E-07	5.06E-08	5.69E-08	1.30E-06
5880	487830.31	3860771.72	2.03E-03	2.19E-03	3.42E-03	7.04E-07	2.13E-06	1.23E-06	1.33E-06	1.20E-06	5.48E-07	8.57E-07	2.35E-08	5.68E-07	1.25E-07	1.80E-07	2.85E-07	5.03E-08	5.65E-08	1.29E-06
5881	487736.55	3860773.63	2.03E-03	2.18E-03	3.41E-03	7.02E-07	2.12E-06	1.23E-06	1.32E-06	1.20E-06	5.46E-07	8.54E-07	2.34E-08	5.66E-07	1.25E-07	1.79E-07	2.84E-07	5.01E-08	5.63E-08	1.28E-06
5882	487642.8	3860775.54	2.03E-03	2.18E-03	3.41E-03	7.02E-07	2.12E-06	1.23E-06	1.32E-06	1.20E-06	5.47E-07	8.54E-07	2.34E-08	5.66E-07	1.25E-07	1.79E-07	2.85E-07	5.02E-08	5.63E-08	1.29E-06
5883	487549.48	3860684.71	2.12E-03	2.29E-03	3.57E-03	7.35E-07	2.22E-06	1.28E-06	1.38E-06	1.25E-06	5.72E-07	8.94E-07	2.45E-08	5.93E-07	1.31E-07	1.88E-07	2.98E-07	5.25E-08	5.90E-08	1.35E-06
5884	487549.91	3860591.97	2.21E-03	2.38E-03	3.72E-03	7.65E-07	2.31E-06	1.34E-06	1.44E-06	1.31E-06	5.96E-07	9.30E-07	2.55E-08	6.17E-07	1.36E-07	1.95E-07	3.10E-07	5.47E-08	6.14E-08	1.40E-06
5885	487550.34	3860499.23	2.31E-03	2.49E-03	3.89E-03	8.01E-07	2.42E-06	1.40E-06	1.51E-06	1.37E-06	6.24E-07	9.74E-07	2.68E-08	6.46E-07	1.43E-07	2.05E-07	3.25E-07	5.72E-08	6.43E-08	1.47E-06
5886	487550.76	3860406.49	2.43E-03	2.62E-03	4.09E-03	8.42E-07	2.54E-06	1.47E-06	1.58E-06	1.44E-06	6.56E-07	1.02E-06	2.81E-08	6.79E-07	1.50E-07	2.15E-07	3.41E-07	6.02E-08	6.75E-08	1.54E-06
5887	487551.19	3860313.75	2.55E-03	2.75E-03	4.29E-03	8.83E-07	2.67E-06	1.54E-06	1.66E-06	1.51E-06	6.88E-07	1.07E-06	2.95E-08	7.13E-07	1.57E-07	2.26E-07	3.58E-07	6.31E-08	7.08E-08	1.62E-06
5888	487551.62	3860221.01	2.69E-03	2.89E-03	4.52E-03	9.30E-07	2.81E-06	1.63E-06	1.75E-06	1.59E-06	7.24E-07	1.13E-06	3.11E-08	7.50E-07	1.66E-07	2.38E-07	3.77E-07	6.65E-08	7.45E-08	1.70E-06
5889	487552.05	3860128.27	2.85E-03	3.07E-03	4.79E-03	9.87E-07	2.98E-06	1.72E-06	1.86E-06	1.68E-06	7.68E-07	1.20E-06	3.30E-08	7.96E-07	1.76E-07	2.52E-07	4.00E-07	7.05E-08	7.91E-08	1.81E-06
5890	487552.48	3860035.53	3.02E-03	3.26E-03	5.08E-03	1.05E-06	3.16E-06	1.83E-06	1.97E-06	1.79E-06	8.15E-07	1.27E-06	3.50E-08	8.45E-07	1.86E-07	2.68E-07	4.24E-07	7.48E-08	8.39E-08	1.92E-06
5891	487552.91	3859942.79	3.19E-03	3.43E-03	5.36E-03	1.10E-06	3.33E-06	1.93E-06	2.08E-06	1.88E-06	8.59E-07	1.34E-06	3.69E-08	8.90E-07	1.96E-07	2.82E-07	4.48E-07	7.89E-08	8.84E-08	2.02E-06
5892	487553.33	3859850.05	3.40E-03	3.67E-03	5.72E-03	1.18E-06	3.56E-06	2.06E-06	2.22E-06	2.01E-06	9.18E-07	1.43E-06	3.94E-08	9.51E-07	2.10E-07	3.01E-07	4.78E-07	8.42E-08	9.44E-08	2.16E-06
5893	487553.76	3859757.31	3.62E-03	3.90E-03	6.08E-03	1.25E-06	3.79E-06	2.19E-06	2.36E-06	2.14E-06	9.76E-07	1.52E-06	4.19E-08	1.01E-06	2.23E-07	3.20E-07	5.08E-07	8.96E-08	1.00E-07	2.30E-06

5894	487554.19	3859664.57	3.87E-03	4.16E-03	6.49E-03	1.34E-06	4.04E-06	2.34E-06	2.52E-06	2.28E-06	1.04E-06	1.62E-06	4.47E-08	1.08E-06	2.38E-07	3.42E-07	5.43E-07	9.57E-08	1.07E-07	2.45E-06
5895	487460.2	3859571.05	4.12E-03	4.44E-03	6.91E-03	1.43E-06	4.31E-06	2.49E-06	2.68E-06	2.43E-06	1.11E-06	1.73E-06	4.76E-08	1.15E-06	2.54E-07	3.64E-07	5.78E-07	1.02E-07	1.14E-07	2.61E-06
5896	487365.78	3859570.27	4.11E-03	4.42E-03	6.90E-03	1.42E-06	4.29E-06	2.49E-06	2.68E-06	2.43E-06	1.11E-06	1.73E-06	4.75E-08	1.15E-06	2.53E-07	3.63E-07	5.77E-07	1.02E-07	1.14E-07	2.60E-06
5897	487271.36	3859569.48	4.09E-03	4.41E-03	6.87E-03	1.42E-06	4.28E-06	2.48E-06	2.67E-06	2.42E-06	1.10E-06	1.72E-06	4.73E-08	1.14E-06	2.52E-07	3.62E-07	5.74E-07	1.01E-07	1.13E-07	2.59E-06
5898	487176.94	3859568.7	4.07E-03	4.39E-03	6.84E-03	1.41E-06	4.26E-06	2.46E-06	2.65E-06	2.41E-06	1.10E-06	1.71E-06	4.71E-08	1.14E-06	2.51E-07	3.60E-07	5.71E-07	1.01E-07	1.13E-07	2.58E-06
5899	487082.51	3859567.92	4.06E-03	4.37E-03	6.81E-03	1.40E-06	4.24E-06	2.45E-06	2.64E-06	2.40E-06	1.09E-06	1.71E-06	4.69E-08	1.13E-06	2.50E-07	3.59E-07	5.69E-07	1.00E-07	1.12E-07	2.57E-06
5900	486988.09	3859567.14	4.03E-03	4.34E-03	6.78E-03	1.40E-06	4.21E-06	2.44E-06	2.63E-06	2.38E-06	1.09E-06	1.70E-06	4.66E-08	1.13E-06	2.48E-07	3.57E-07	5.66E-07	9.97E-08	1.12E-07	2.56E-06
5901	486893.67	3859566.36	4.01E-03	4.32E-03	6.74E-03	1.39E-06	4.19E-06	2.42E-06	2.61E-06	2.37E-06	1.08E-06	1.69E-06	4.63E-08	1.12E-06	2.47E-07	3.55E-07	5.62E-07	9.91E-08	1.11E-07	2.54E-06
5902	486799.25	3859565.58	3.98E-03	4.28E-03	6.69E-03	1.38E-06	4.16E-06	2.41E-06	2.59E-06	2.35E-06	1.07E-06	1.67E-06	4.60E-08	1.11E-06	2.45E-07	3.52E-07	5.58E-07	9.84E-08	1.10E-07	2.52E-06
5903	486704.83	3859564.79	3.95E-03	4.25E-03	6.64E-03	1.37E-06	4.13E-06	2.39E-06	2.57E-06	2.33E-06	1.06E-06	1.66E-06	4.57E-08	1.10E-06	2.43E-07	3.49E-07	5.54E-07	9.77E-08	1.10E-07	2.50E-06
5904	486610.41	3859564.01	3.92E-03	4.22E-03	6.60E-03	1.36E-06	4.10E-06	2.37E-06	2.56E-06	2.32E-06	1.06E-06	1.65E-06	4.53E-08	1.10E-06	2.42E-07	3.47E-07	5.50E-07	9.70E-08	1.09E-07	2.49E-06
5905	486515.99	3859563.23	3.88E-03	4.18E-03	6.53E-03	1.34E-06	4.06E-06	2.35E-06	2.53E-06	2.29E-06	1.05E-06	1.63E-06	4.49E-08	1.08E-06	2.39E-07	3.43E-07	5.45E-07	9.60E-08	1.08E-07	2.46E-06
5906	486421.57	3859562.45	3.85E-03	4.14E-03	6.47E-03	1.33E-06	4.02E-06	2.33E-06	2.51E-06	2.27E-06	1.04E-06	1.62E-06	4.45E-08	1.07E-06	2.37E-07	3.40E-07	5.40E-07	9.51E-08	1.07E-07	2.44E-06
5907	486327.14	3859561.67	3.82E-03	4.11E-03	6.43E-03	1.32E-06	3.99E-06	2.31E-06	2.49E-06	2.26E-06	1.03E-06	1.61E-06	4.42E-08	1.07E-06	2.35E-07	3.38E-07	5.36E-07	9.45E-08	1.06E-07	2.42E-06
5908	486232.72	3859560.89	3.78E-03	4.07E-03	6.36E-03	1.31E-06	3.95E-06	2.29E-06	2.46E-06	2.23E-06	1.02E-06	1.59E-06	4.37E-08	1.06E-06	2.33E-07	3.34E-07	5.31E-07	9.35E-08	1.05E-07	2.40E-06
5909	486138.3	3859560.1	3.75E-03	4.03E-03	6.31E-03	1.30E-06	3.91E-06	2.27E-06	2.44E-06	2.21E-06	1.01E-06	1.58E-06	4.33E-08	1.05E-06	2.31E-07	3.31E-07	5.26E-07	9.26E-08	1.04E-07	2.37E-06
5910	486043.88	3859559.32	3.71E-03	3.99E-03	6.25E-03	1.28E-06	3.88E-06	2.24E-06	2.42E-06	2.19E-06	1.00E-06	1.56E-06	4.29E-08	1.04E-06	2.29E-07	3.28E-07	5.21E-07	9.18E-08	1.03E-07	2.35E-06
5911	485949.35	3859463.54	3.89E-03	4.19E-03	6.56E-03	1.35E-06	4.07E-06	2.35E-06	2.54E-06	2.30E-06	1.05E-06	1.64E-06	4.50E-08	1.09E-06	2.40E-07	3.44E-07	5.46E-07	9.62E-08	1.08E-07	2.47E-06
5912	485949.24	3859368.55	4.13E-03	4.45E-03	6.97E-03	1.43E-06	4.32E-06	2.50E-06	2.69E-06	2.44E-06	1.11E-06	1.74E-06	4.78E-08	1.15E-06	2.55E-07	3.66E-07	5.80E-07	1.02E-07	1.15E-07	2.62E-06
5913	485949.12	3859273.55	4.40E-03	4.74E-03	7.42E-03	1.52E-06	4.60E-06	2.66E-06	2.87E-06	2.60E-06	1.19E-06	1.86E-06	5.09E-08	1.23E-06	2.71E-07	3.90E-07	6.18E-07	1.09E-07	1.23E-07	2.79E-06
5914	485949.01	3859178.56	4.69E-03	5.05E-03	7.91E-03	1.62E-06	4.90E-06	2.84E-06	3.06E-06	2.77E-06	1.26E-06	1.98E-06	5.42E-08	1.31E-06	2.89E-07	4.15E-07	6.59E-07	1.16E-07	1.31E-07	2.97E-06
5915	485948.9	3859083.56	5.02E-03	5.41E-03	8.47E-03	1.74E-06	5.25E-06	3.04E-06	3.27E-06	2.97E-06	1.35E-06	2.12E-06	5.81E-08	1.40E-06	3.09E-07	4.44E-07	7.05E-07	1.24E-07	1.40E-07	3.18E-06
5916	485948.79	3858988.56	5.36E-03	5.78E-03	9.04E-03	1.86E-06	5.60E-06	3.24E-06	3.50E-06	3.17E-06	1.45E-06	2.26E-06	6.20E-08	1.50E-06	3.30E-07	4.75E-07	7.53E-07	1.33E-07	1.49E-07	3.40E-06
5917	485948.67	3858893.57	5.73E-03	6.17E-03	9.66E-03	1.98E-06	5.99E-06	3.47E-06	3.73E-06	3.38E-06	1.54E-06	2.42E-06	6.62E-08	1.60E-06	3.53E-07	5.07E-07	8.04E-07	1.42E-07	1.59E-07	3.63E-06
5918	485948.56	3858798.57	6.17E-03	6.64E-03	1.04E-02	2.13E-06	6.45E-06	3.73E-06	4.02E-06	3.64E-06	1.66E-06	2.60E-06	7.13E-08	1.72E-06	3.80E-07	5.46E-07	8.66E-07	1.53E-07	1.72E-07	3.91E-06
5919	485948.45	3858703.58	6.59E-03	7.09E-03	1.11E-02	2.28E-06	6.88E-06	3.98E-06	4.29E-06	3.89E-06	1.78E-06	2.78E-06	7.61E-08	1.84E-06	4.06E-07	5.83E-07	9.24E-07	1.63E-07	1.83E-07	4.17E-06
5920	485948.34	3858608.58	7.10E-03	7.65E-03	1.20E-02	2.46E-06	7.43E-06	4.30E-06	4.63E-06	4.20E-06	1.92E-06	2.99E-06	8.21E-08	1.98E-06	4.38E-07	6.29E-07	9.97E-07	1.76E-07	1.98E-07	4.50E-06
5921	485948.22	3858513.59	7.68E-03	8.27E-03	1.29E-02	2.66E-06	8.03E-06	4.65E-06	5.00E-06	4.54E-06	2.07E-06	3.24E-06	8.88E-08	2.14E-06	4.73E-07	6.79E-07	1.08E-06	1.90E-07	2.13E-07	4.87E-06
5922	485948.11	3858418.59	8.30E-03	8.94E-03	1.40E-02	2.87E-06	8.68E-06	5.02E-06	5.41E-06	4.90E-06	2.24E-06	3.50E-06	9.60E-08	2.32E-06	5.11E-07	7.35E-07	1.17E-06	2.05E-07	2.31E-07	5.26E-06
5923	485948	3858323.59	9.06E-03	9.75E-03	1.52E-02	3.14E-06	9.47E-06	5.48E-06	5.90E-06	5.35E-06	2.44E-06	3.81E-06	1.05E-07	2.53E-06	5.58E-07	8.01E-07	1.27E-06	2.24E-07	2.52E-07	5.74E-06
5924	485947.89	3858228.6	9.85E-03	1.06E-02	1.66E-02	3.41E-06	1.03E-05	5.96E-06	6.42E-06	5.82E-06	2.66E-06	4.15E-06	1.14E-07	2.75E-06	6.07E-07	8.72E-07	1.38E-06	2.44E-07	2.74E-07	6.24E-06
5925	485947.77	3858133.6	1.08E-02	1.16E-02	1.81E-02	3.72E-06	1.12E-05	6.51E-06	7.01E-06	6.35E-06	2.90E-06	4.53E-06	1.24E-07	3.00E-06	6.63E-07	9.51E-07	1.51E-06	2.66E-07	2.99E-07	6.81E-06
5926	485947.66	3858038.61	1.20E-02	1.29E-02	2.02E-02	4.15E-06	1.25E-05	7.25E-06	7.81E-06	7.08E-06	3.23E-06	5.05E-06	1.39E-07	3.35E-06	7.39E-07	1.06E-06	1.68E-06	2.97E-07	3.33E-07	7.60E-06
5927	485854.54	3857943.35	1.24E-02	1.34E-02	2.09E-02	4.30E-06	1.30E-05	7.52E-06	8.10E-06	7.34E-06	3.35E-06	5.23E-06	1.44E-07	3.47E-06	7.66E-07	1.10E-06	1.74E-06	3.07E-07	3.45E-07	7.88E-06
5928	485761.52	3857943.09	1.18E-02	1.27E-02	1.98E-02	4.07E-06	1.23E-05	7.11E-06	7.66E-06	6.94E-06	3.17E-06	4.95E-06	1.36E-07	3.28E-06	7.24E-07	1.04E-06	1.65E-06	2.91E-07	3.26E-07	7.45E-06
5929	485668.51	3857942.83	1.12E-02	1.21E-02	1.88E-02	3.88E-06	1.17E-05	6.78E-06	7.30E-06	6.62E-06	3.02E-06	4.72E-06	1.30E-07	3.13E-06	6.91E-07	9.92E-07	1.57E-06	2.77E-07	3.11E-07	7.10E-06
5930	485575.5	3857942.56	1.06E-02	1.15E-02	1.79E-02	3.68E-06	1.11E-05	6.44E-06	6.93E-06	6.29E-06	2.87E-06	4.48E-06	1.23E-07	2.97E-06	6.56E-07	9.41E-07	1.49E-06	2.63E-07	2.95E-07	6.74E-06
5931	485482.48	3857942.3	1.02E-02	1.10E-02	1.71E-02	3.52E-06	1.06E-05	6.16E-06	6.63E-06	6.01E-06	2.74E-06	4.29E-06	1.18E-07	2.84E-06	6.27E-07	9.01E-07	1.43E-06	2.52E-07	2.83E-07	6.45E-06
5932	485389.47	3857942.04	9.75E-03	1.05E-02	1.64E-02	3.37E-06	1.02E-05	5.90E-06	6.35E-06	5.76E-06	2.63E-06	4.10E-06	1.13E-07	2.72E-06	6.00E-07	8.62E-07	1.37E-06	2.41E-07	2.71E-07	6.18E-06
5933	485296.46	3857941.78	9.35E-03	1.01E-02	1.57E-02	3.24E-06	9.77E-06	5.66E-06	6.09E-06	5.52E-06	2.52E-06	3.94E-06	1.08E-07	2.61E-06	5.76E-07	8.27E-07	1.31E-06	2.31E-07	2.60E-07	5.92E-06
5934	485203.45	3857941.52	9.02E-03	9.72E-03	1.52E-02	3.12E-06	9.43E-06	5.46E-06	5.88E-06	5.33E-06	2.43E-06	3.80E-06	1.04E-07	2.52E-06	5.56E-07	7.98E-07	1.27E-06	2.23E-07	2.51E-07	5.72E-06
5935	485110.43	3857941.26	8.66E-03	9.33E-03	1.46E-02	3.00E-06	9.05E-06	5.24E-06	5.64E-06	5.12E-06	2.33E-06	3.65E-06	1.00E-07	2.42E-06	5.34E-07	7.66E-07	1.22E-06	2.14E-07	2.41E-07	5.49E-06
5936	485017.42	3857940.99	8.31E-03	8.95E-03	1.40E-02	2.88E-06	8.68E-06	5.03E-06	5.41E-06	4.91E-06	2.24E-06	3.50E-06	9.60E-08	2.32E-06	5.12E-07	7.35E-07	1.17E-06	2.05E-07	2.31E-07	5.26E-06
5937	484924.41	3857940.73	7.98E-03	8.59E-03	1.34E-02	2.76E-06	8.34E-06	4.83E-06	5.20E-06	4.71E-06	2.15E-06	3.36E-06	9.22E-08	2.23E-06	4.92E-07	7.06E-07	1.12E-06	1.97E-07	2.22E-07	5.06E-06
5938	484831.39	3857940.47	7.70E-03	8.29E-03	1.30E-02	2.66E-06	8.04E-06	4.66E-06	5.02E-06	4.55E-06	2.07E-06	3.25E-06	8.90E-08	2.15E-06	4.74E-07	6.81E-07	1.08E-06	1.90E-07	2.14E-07	4.88E-06
5939	484738.12	3857859.3	7.79E-03	8.39E-03	1.31E-02	2.70E-06	8.14E-06	4.71E-06	5.08E-06	4.60E-06	2.10E-06	3.29E-06	9.01E-08	2.18E-06	4.80E-07	6.90E-07	1.09E-06	1.93E-07	2.17E-07	4.94E-06
5940	484737.85	3857778.4	8.22E-03	8.85E-03	1.38E-02	2.84E-06	8.59E-06	4.97E-06	5.36E-06	4.86E-06	2.22E-06	3.47E-06	9.50E-08	2.29E-06	5.06E-07	7.27E-07	1.15E-06	2.03E-07	2.29E-07	5.21E-06
5941	484737.59	3857697.49	8.66E-03	9.33E-03	1.46E-02	3.00E-06	9.05E-06	5.24E-06	5.65E-06	5.12E-06	2.34E-06	3.65E-06	1.00E-07	2.42E-06	5.34E-07	7.66E-07	1.22E-06	2.14E-07	2.41E-07	5.49E-06
5942	484737.32	3857616.59	9.11E-03	9.82E-03	1.53E-02	3.15E-06	9.53E-06	5.51E-06	5.94E-06	5.38E-06	2.46E-06	3.84E-06	1.05E-07	2.54E-06	5.62E-07	8.06E-07	1.28E-06	2.25E-07	2.53E-07	5.78E-06
5943	484645.53	3857535.18	9.23E-03	9.94E-03	1.55E-02	3.20E-06	9.65E-06	5.58E-06	6.02E-06	5.45E-06	2.49E-06	3.89E-06	1.07E-07	2.58E-06	5.69E-07	8.17E-07	1.30E-06	2.28E-07	2.57E-07	5.85E-06
5944	484553.99	3857534.67	8.84E-03	9.52E-03	1.49E-02	3.06E-06	9.24E-06	5.35E-06	5.76E-06	5.22E-06	2.38E-06	3.73E-06	1.02E-07	2.47E-06	5.45E-07	7.82E-07	1.24E-06	2.19E-07	2.46E-07	5.60E-06
5945	484462.46	3857534.17	8.51E-03	9.17E-03	1.43E-02	2.95E-06	8.90E-06	5.15E-06	5.55E-06	5.03E-06	2.30E-06	3.59E-06	9.84E-08	2.38E-06	5.25E-07	7.53E-07	1.20E-06	2.11E-07	2.37E-07	5.40E-06
5946	484370.93	3857533.66	8.19E-03	8.83E-03	1.38E-02	2.84E-06	8.57E-06	4.96E-06	5.34E-06	4.84E-06	2.21E-06	3.46E-06	9.47E-08	2.29E-06	5.05E-07	7.25E-07	1.15E-06	2.03E-07	2.28E-07	5.19E-06
5947	484279.4	3857533.16	7.90E-03	8.51E-03	1.33E-02	2.74E-06	8.26E-06	4.78E-06	5.15E-06	4.67E-06	2.13E-06	3.34E-06	9.13E-08	2.21E-06	4.87E-07	6.99E-07	1.11E-06	1.96E-07	2.20E-07	5.01E-06
5948	484187.86	3857532.65	7.62E-03	8.20E-03	1.29E-02	2.64E-06	7.96E-06	4.61E-06	4.96E-06	4.50E-06	2.05E-06	3.22E-06	8.80E-08	2.13E-06	4.69E-07	6.74E-07	1.07E-06	1.88E-07	2.12E-07	4.83E-06
5949	484096.33	3857532.15	7.36E-03	7.93E-03	1.24E-02	2.55E-06	7.70E-06	4.46E-06	4.80E-06	4.35E-06	1.99E-06	3.11E-06	8.51E-08	2.06E-06	4.54E-07	6.52E-07	1.03E-06	1.82E-07	2.05E-07	4.67E-06
5950	484004.8	3857531.64	7.10E-03	7.65E-03	1.20E-02	2.46E-06	7.42E-06	4.30E-06	4.63E-06	4.20E-06	1.91E-06	3.00E-06	8.21E-08	1.98E-06	4.37E-07	6.28E-07	9.97E-07	1.76E-07	1.98E-07	4.50E-06
5951	483913.27	3857531.14	6.82E-03	7.35E-03	1.15E-02	2.36E-06	7.13E-06	4.13E-06	4.45E-06	4.03E-06	1.84E-06	2.89E-06	7.89E-08	1.91E-06	4.20E-07	6.04E-07	9.58E-07	1.69E-07	1.90E-07	4.33E-06
5952	483821.73	3857530.63	6.59E-03	7.10E-03	1.11E-02	2.28E-06	6.89E-06	3.99E-06	4.30E-06	3.89E-06	1.78E-06	2.79E-06	7.62E-08	1.84E-06	4.06E-07	5.83E-07	9.25E-07	1.63E-07	1.84E-07	4.18E-06

5953	483729.61	3857450.11	6.62E-03	7.13E-03	1.12E-02	2.29E-06	6.91E-06	4.00E-06	4.31E-06	3.91E-06	1.78E-06	2.80E-06	7.65E-08	1.85E-06	4.08E-07	5.86E-07	9.29E-07	1.64E-07	1.85E-07	4.19E-06
5954	483729.03	3857370.08	6.92E-03	7.45E-03	1.17E-02	2.39E-06	7.23E-06	4.18E-06	4.51E-06	4.09E-06	1.87E-06	2.93E-06	7.99E-08	1.93E-06	4.26E-07	6.12E-07	9.71E-07	1.71E-07	1.93E-07	4.38E-06
5955	483728.44	3857290.06	7.20E-03	7.76E-03	1.22E-02	2.49E-06	7.53E-06	4.36E-06	4.69E-06	4.26E-06	1.94E-06	3.05E-06	8.32E-08	2.01E-06	4.44E-07	6.37E-07	1.01E-06	1.78E-07	2.01E-07	4.57E-06
5956	483727.86	3857210.03	7.49E-03	8.07E-03	1.27E-02	2.59E-06	7.83E-06	4.53E-06	4.88E-06	4.43E-06	2.02E-06	3.17E-06	8.66E-08	2.09E-06	4.61E-07	6.63E-07	1.05E-06	1.85E-07	2.09E-07	4.75E-06
5957	483641.15	3857129.07	7.53E-03	8.12E-03	1.27E-02	2.61E-06	7.88E-06	4.56E-06	4.91E-06	4.45E-06	2.03E-06	3.19E-06	8.71E-08	2.10E-06	4.64E-07	6.67E-07	1.06E-06	1.86E-07	2.10E-07	4.78E-06
5958	483555.03	3857128.14	7.27E-03	7.83E-03	1.23E-02	2.52E-06	7.60E-06	4.40E-06	4.74E-06	4.30E-06	1.96E-06	3.08E-06	8.40E-08	2.03E-06	4.48E-07	6.43E-07	1.02E-06	1.80E-07	2.03E-07	4.61E-06
5959	483468.91	3857127.2	6.97E-03	7.51E-03	1.18E-02	2.41E-06	7.29E-06	4.22E-06	4.55E-06	4.12E-06	1.88E-06	2.95E-06	8.06E-08	1.95E-06	4.30E-07	6.17E-07	9.79E-07	1.73E-07	1.95E-07	4.42E-06
5960	483382.78	3857126.26	6.76E-03	7.29E-03	1.14E-02	2.34E-06	7.07E-06	4.09E-06	4.41E-06	4.00E-06	1.82E-06	2.86E-06	7.81E-08	1.89E-06	4.16E-07	5.98E-07	9.49E-07	1.67E-07	1.89E-07	4.29E-06
5961	483296.66	3857125.32	6.53E-03	7.04E-03	1.11E-02	2.26E-06	6.82E-06	3.95E-06	4.26E-06	3.86E-06	1.76E-06	2.77E-06	7.55E-08	1.82E-06	4.02E-07	5.78E-07	9.17E-07	1.62E-07	1.83E-07	4.14E-06
5962	483210.54	3857124.39	6.30E-03	6.79E-03	1.07E-02	2.18E-06	6.58E-06	3.81E-06	4.11E-06	3.72E-06	1.70E-06	2.67E-06	7.28E-08	1.76E-06	3.88E-07	5.58E-07	8.85E-07	1.56E-07	1.76E-07	3.99E-06
5963	483123.4	3857030.96	6.33E-03	6.83E-03	1.07E-02	2.19E-06	6.62E-06	3.83E-06	4.13E-06	3.74E-06	1.71E-06	2.69E-06	7.32E-08	1.77E-06	3.90E-07	5.61E-07	8.90E-07	1.57E-07	1.77E-07	4.02E-06
5964	483122.38	3856938.46	6.61E-03	7.13E-03	1.12E-02	2.29E-06	6.91E-06	4.00E-06	4.31E-06	3.91E-06	1.78E-06	2.80E-06	7.64E-08	1.85E-06	4.07E-07	5.86E-07	9.29E-07	1.64E-07	1.85E-07	4.19E-06
5965	483121.35	3856845.97	6.90E-03	7.44E-03	1.17E-02	2.39E-06	7.22E-06	4.18E-06	4.50E-06	4.08E-06	1.86E-06	2.93E-06	7.98E-08	1.93E-06	4.25E-07	6.11E-07	9.70E-07	1.71E-07	1.93E-07	4.38E-06
5966	483120.33	3856753.47	7.15E-03	7.71E-03	1.21E-02	2.48E-06	7.48E-06	4.33E-06	4.67E-06	4.23E-06	1.93E-06	3.03E-06	8.27E-08	2.00E-06	4.41E-07	6.33E-07	1.00E-06	1.77E-07	2.00E-07	4.54E-06
5967	483119.31	3856660.98	7.41E-03	7.99E-03	1.26E-02	2.57E-06	7.75E-06	4.49E-06	4.84E-06	4.38E-06	2.00E-06	3.15E-06	8.57E-08	2.07E-06	4.57E-07	6.56E-07	1.04E-06	1.84E-07	2.07E-07	4.70E-06
5968	483118.29	3856568.49	7.71E-03	8.32E-03	1.31E-02	2.67E-06	8.06E-06	4.67E-06	5.03E-06	4.56E-06	2.08E-06	3.27E-06	8.92E-08	2.15E-06	4.75E-07	6.83E-07	1.08E-06	1.91E-07	2.16E-07	4.89E-06
5969	483117.26	3856475.99	8.05E-03	8.68E-03	1.37E-02	2.79E-06	8.41E-06	4.87E-06	5.25E-06	4.76E-06	2.17E-06	3.42E-06	9.30E-08	2.25E-06	4.96E-07	7.13E-07	1.13E-06	1.99E-07	2.25E-07	5.10E-06
5970	483116.24	3856383.5	8.38E-03	9.03E-03	1.42E-02	2.90E-06	8.76E-06	5.07E-06	5.47E-06	4.95E-06	2.26E-06	3.56E-06	9.69E-08	2.34E-06	5.16E-07	7.42E-07	1.18E-06	2.07E-07	2.35E-07	5.31E-06
5971	483115.22	3856291.01	8.74E-03	9.42E-03	1.48E-02	3.02E-06	9.13E-06	5.29E-06	5.70E-06	5.17E-06	2.36E-06	3.71E-06	1.01E-07	2.44E-06	5.38E-07	7.74E-07	1.23E-06	2.16E-07	2.45E-07	5.54E-06
5972	483114.2	3856198.51	9.08E-03	9.79E-03	1.54E-02	3.14E-06	9.49E-06	5.50E-06	5.93E-06	5.37E-06	2.45E-06	3.86E-06	1.05E-07	2.54E-06	5.60E-07	8.04E-07	1.28E-06	2.25E-07	2.54E-07	5.76E-06
5973	483113.17	3856106.02	9.55E-03	1.03E-02	1.62E-02	3.31E-06	9.99E-06	5.78E-06	6.23E-06	5.65E-06	2.58E-06	4.06E-06	1.10E-07	2.67E-06	5.89E-07	8.46E-07	1.34E-06	2.37E-07	2.68E-07	6.06E-06
5974	483112.15	3856013.52	9.99E-03	1.08E-02	1.70E-02	3.46E-06	1.04E-05	6.05E-06	6.52E-06	5.91E-06	2.70E-06	4.25E-06	1.15E-07	2.79E-06	6.16E-07	8.85E-07	1.40E-06	2.47E-07	2.80E-07	6.34E-06
5975	483029.25	3855920.47	1.00E-02	1.08E-02	1.70E-02	3.46E-06	1.04E-05	6.05E-06	6.52E-06	5.91E-06	2.70E-06	4.25E-06	1.16E-07	2.79E-06	6.16E-07	8.86E-07	1.40E-06	2.48E-07	2.81E-07	6.34E-06
5976	482947.37	3855919.91	9.50E-03	1.02E-02	1.62E-02	3.29E-06	9.93E-06	5.75E-06	6.20E-06	5.62E-06	2.56E-06	4.05E-06	1.10E-07	2.65E-06	5.85E-07	8.41E-07	1.33E-06	2.35E-07	2.67E-07	6.03E-06
5977	482865.49	3855919.36	9.01E-03	9.72E-03	1.54E-02	3.12E-06	9.42E-06	5.45E-06	5.88E-06	5.33E-06	2.43E-06	3.84E-06	1.04E-07	2.52E-06	5.55E-07	7.99E-07	1.27E-06	2.23E-07	2.53E-07	5.72E-06
5978	482783.61	3855918.8	8.60E-03	9.28E-03	1.47E-02	2.98E-06	8.99E-06	5.21E-06	5.62E-06	5.09E-06	2.32E-06	3.67E-06	9.95E-08	2.40E-06	5.30E-07	7.62E-07	1.21E-06	2.13E-07	2.42E-07	5.46E-06
5979	482700.33	3855818.39	8.53E-03	9.20E-03	1.46E-02	2.95E-06	8.91E-06	5.16E-06	5.57E-06	5.05E-06	2.30E-06	3.64E-06	9.86E-08	2.38E-06	5.25E-07	7.56E-07	1.20E-06	2.11E-07	2.40E-07	5.41E-06
5980	482698.92	3855718.54	8.94E-03	9.64E-03	1.53E-02	3.09E-06	9.34E-06	5.41E-06	5.83E-06	5.29E-06	2.41E-06	3.82E-06	1.03E-07	2.49E-06	5.51E-07	7.92E-07	1.26E-06	2.21E-07	2.52E-07	5.67E-06
5981	482697.52	3855618.68	9.32E-03	1.01E-02	1.59E-02	3.23E-06	9.75E-06	5.64E-06	6.09E-06	5.52E-06	2.52E-06	3.99E-06	1.08E-07	2.60E-06	5.74E-07	8.26E-07	1.31E-06	2.31E-07	2.63E-07	5.92E-06
5982	482696.11	3855518.83	9.82E-03	1.06E-02	1.68E-02	3.40E-06	1.03E-05	5.94E-06	6.41E-06	5.81E-06	2.65E-06	4.21E-06	1.14E-07	2.74E-06	6.05E-07	8.71E-07	1.38E-06	2.43E-07	2.78E-07	6.23E-06
5983	482694.71	3855418.98	1.03E-02	1.11E-02	1.76E-02	3.56E-06	1.07E-05	6.22E-06	6.71E-06	6.08E-06	2.77E-06	4.41E-06	1.19E-07	2.87E-06	6.33E-07	9.11E-07	1.44E-06	2.55E-07	2.91E-07	6.52E-06
5984	482693.3	3855319.13	1.08E-02	1.16E-02	1.85E-02	3.73E-06	1.13E-05	6.52E-06	7.03E-06	6.38E-06	2.91E-06	4.63E-06	1.24E-07	3.01E-06	6.64E-07	9.55E-07	1.52E-06	2.67E-07	3.05E-07	6.84E-06
5985	482691.9	3855219.27	1.14E-02	1.23E-02	1.96E-02	3.94E-06	1.19E-05	6.89E-06	7.44E-06	6.74E-06	3.08E-06	4.90E-06	1.32E-07	3.18E-06	7.01E-07	1.01E-06	1.60E-06	2.82E-07	3.23E-07	7.23E-06
5986	482690.49	3855119.42	1.20E-02	1.29E-02	2.07E-02	4.15E-06	1.25E-05	7.25E-06	7.83E-06	7.10E-06	3.24E-06	5.17E-06	1.38E-07	3.34E-06	7.38E-07	1.06E-06	1.69E-06	2.97E-07	3.41E-07	7.61E-06
5987	482689.09	3855019.57	1.29E-02	1.39E-02	2.23E-02	4.45E-06	1.34E-05	7.78E-06	8.41E-06	7.62E-06	3.48E-06	5.57E-06	1.49E-07	3.59E-06	7.92E-07	1.14E-06	1.81E-06	3.19E-07	3.67E-07	8.17E-06
5988	482687.68	3854919.72	1.36E-02	1.47E-02	2.37E-02	4.72E-06	1.42E-05	8.24E-06	8.91E-06	8.08E-06	3.69E-06	5.93E-06	1.57E-07	3.80E-06	8.39E-07	1.21E-06	1.92E-06	3.38E-07	3.91E-07	8.66E-06
5989	482686.28	3854819.86	1.46E-02	1.58E-02	2.55E-02	5.05E-06	1.53E-05	8.84E-06	9.56E-06	8.66E-06	3.95E-06	6.38E-06	1.69E-07	4.08E-06	9.00E-07	1.30E-06	2.06E-06	3.63E-07	4.21E-07	9.29E-06
5990	482684.88	3854720.01	1.54E-02	1.66E-02	2.69E-02	5.32E-06	1.61E-05	9.29E-06	1.01E-05	9.12E-06	4.16E-06	6.73E-06	1.78E-07	4.29E-06	9.46E-07	1.37E-06	2.17E-06	3.82E-07	4.44E-07	9.77E-06
5991	482683.47	3854620.16	1.63E-02	1.77E-02	2.87E-02	5.65E-06	1.70E-05	9.87E-06	1.07E-05	9.69E-06	4.42E-06	7.18E-06	1.89E-07	4.55E-06	1.00E-06	1.45E-06	2.30E-06	4.06E-07	4.74E-07	1.04E-05
5992	482682.07	3854520.31	1.67E-02	1.81E-02	2.95E-02	5.77E-06	1.74E-05	1.01E-05	1.09E-05	9.91E-06	4.52E-06	7.37E-06	1.93E-07	4.66E-06	1.03E-06	1.48E-06	2.36E-06	4.15E-07	4.86E-07	1.06E-05
5993	482680.66	3854420.45	1.65E-02	1.79E-02	2.92E-02	5.70E-06	1.72E-05	9.97E-06	1.08E-05	9.79E-06	4.47E-06	7.31E-06	1.90E-07	4.60E-06	1.01E-06	1.47E-06	2.33E-06	4.10E-07	4.82E-07	1.05E-05
5994	482679.26	3854320.6	1.58E-02	1.71E-02	2.81E-02	5.46E-06	1.65E-05	9.54E-06	1.04E-05	9.38E-06	4.28E-06	7.04E-06	1.82E-07	4.40E-06	9.72E-07	1.41E-06	2.23E-06	3.93E-07	4.64E-07	1.01E-05
5995	482677.85	3854220.75	1.53E-02	1.66E-02	2.72E-02	5.29E-06	1.60E-05	9.25E-06	1.00E-05	9.09E-06	4.15E-06	6.81E-06	1.77E-07	4.27E-06	9.42E-07	1.36E-06	2.16E-06	3.81E-07	4.49E-07	9.74E-06
5996	482676.45	3854120.9	1.38E-02	1.49E-02	2.44E-02	4.77E-06	1.44E-05	8.33E-06	9.03E-06	8.19E-06	3.74E-06	6.11E-06	1.59E-07	3.85E-06	8.49E-07	1.23E-06	1.95E-06	3.43E-07	4.03E-07	8.77E-06
5997	482675.04	3854021.04	1.23E-02	1.33E-02	2.17E-02	4.26E-06	1.29E-05	7.45E-06	8.07E-06	7.32E-06	3.34E-06	5.42E-06	1.42E-07	3.44E-06	7.59E-07	1.10E-06	1.74E-06	3.06E-07	3.58E-07	7.84E-06
5998	482673.64	3853921.19	1.07E-02	1.16E-02	1.86E-02	3.72E-06	1.12E-05	6.50E-06	7.02E-06	6.37E-06	2.90E-06	4.66E-06	1.24E-07	3.00E-06	6.62E-07	9.53E-07	1.51E-06	2.67E-07	3.07E-07	6.82E-06
5999	482672.23	3853821.34	9.36E-03	1.01E-02	1.58E-02	3.24E-06	9.78E-06	5.66E-06	6.10E-06	5.53E-06	2.52E-06	3.96E-06	1.08E-07	2.61E-06	5.76E-07	8.28E-07	1.31E-06	2.32E-07	2.61E-07	5.93E-06
6000	482670.83	3853721.49	7.86E-03	8.43E-03	1.28E-02	2.72E-06	8.22E-06	4.76E-06	5.10E-06	4.63E-06	2.11E-06	3.21E-06	9.09E-08	2.19E-06	4.84E-07	6.93E-07	1.10E-06	1.94E-07	2.12E-07	4.97E-06
6001	482669.42	3853621.63	6.48E-03	6.92E-03	1.02E-02	2.24E-06	6.77E-06	3.92E-06	4.19E-06	3.80E-06	1.73E-06	2.55E-06	7.49E-08	1.81E-06	3.99E-07	5.69E-07	9.02E-07	1.59E-07	1.68E-07	4.08E-06
6002	482645.99	3853446.13	4.47E-03	4.78E-03	7.10E-03	1.55E-06	4.67E-06	2.71E-06	2.89E-06	2.62E-06	1.20E-06	1.78E-06	5.17E-08	1.25E-06	2.76E-07	3.93E-07	6.23E-07	1.10E-07	1.17E-07	2.82E-06
6003	482623.97	3853370.49	3.80E-03	4.08E-03	6.17E-03	1.32E-06	3.97E-06	2.30E-06	2.47E-06	2.24E-06	1.02E-06	1.54E-06	4.39E-08	1.06E-06	2.34E-07	3.35E-07	5.31E-07	9.36E-08	1.02E-07	2.40E-06
6004	482601.94	3853294.84	3.36E-03	3.61E-03	5.53E-03	1.16E-06	3.52E-06	2.04E-06	2.19E-06	1.98E-06	9.04E-07	1.38E-06	3.89E-08	9.39E-07	2.07E-07	2.97E-07	4.71E-07	8.30E-08	9.14E-08	2.13E-06
6005	482531.29	3853133.44	2.78E-03	2.99E-03	4.63E-03	9.63E-07	2.91E-06	1.68E-06	1.81E-06	1.64E-06	7.49E-07	1.16E-06	3.22E-08	7.77E-07	1.71E-07	2.46E-07	3.90E-07	6.87E-08	7.65E-08	1.76E-06
6006	482482.68	3853047.69	2.57E-03	2.77E-03	4.30E-03	8.90E-07	2.69E-06	1.56E-06	1.67E-06	1.52E-06	6.92E-07	1.08E-06	2.97E-08	7.18E-07	1.58E-07	2.27E-07	3.61E-07	6.35E-08	7.09E-08	1.63E-06
6007	482383.09	3852897.4	2.28E-03	2.45E-03	3.82E-03	7.89E-07	2.38E-06	1.38E-06	1.48E-06	1.34E-06	6.14E-07	9.56E-07	2.63E-08	6.36E-07	1.40E-07	2.01E-07	3.20E-07	5.63E-08	6.30E-08	1.44E-06
6008	482265.64	3852765.26	2.09E-03	2.25E-03	3.51E-03	7.23E-07	2.18E-06	1.26E-06	1.36E-06	1.23E-06	5.63E-07	8.78E-07	2.41E-08	5.83E-07	1.29E-07	1.85E-07	2.93E-07	5.17E-08	5.79E-08	1.32E-06
6009	482199.16	3852697.66	2.01E-03	2.16E-03	3.38E-03	6.95E-07	2.10E-06	1.22E-06	1.31E-06	1.19E-06	5.41E-07	8.45E-07	2.32E-08	5.61E-07	1.24E-07	1.78E-07	2.82E-07	4.97E-08	5.57E-08	1.27E-06
6010	482132.69	3852630.07	1.93E-03	2.08E-03	3.25E-03	6.69E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.21E-07	8.14E-07	2.23E-08	5.40E-07	1.19E-07	1.71E-07	2.71E-07	4.78E-08	5.37E-08	1.22E-06
6011	482066.21	3852562.48	1.86E-03	2.01E-03	3.14E-03	6.44E-07	1.95E-06	1.13E-06	1.21E-06	1.10E-06	5.02E-07	7.85E-07	2.15E-08	5.20E-07	1.15E-07	1.65E-07	2.61E-07	4.61E-08	5.18E-08	1.18E-06

6012	481999.74	3852494.89	1.80E-03	1.93E-03	3.02E-03	6.21E-07	1.88E-06	1.09E-06	1.17E-06	1.06E-06	4.84E-07	7.57E-07	2.07E-08	5.01E-07	1.11E-07	1.59E-07	2.52E-07	4.44E-08	4.99E-08	1.14E-06
6013	481933.26	3852427.29	1.73E-03	1.87E-03	2.92E-03	6.00E-07	1.81E-06	1.05E-06	1.13E-06	1.02E-06	4.67E-07	7.30E-07	2.00E-08	4.84E-07	1.07E-07	1.53E-07	2.43E-07	4.28E-08	4.82E-08	1.10E-06
6014	481866.79	3852359.7	1.67E-03	1.80E-03	2.82E-03	5.79E-07	1.75E-06	1.01E-06	1.09E-06	9.88E-07	4.51E-07	7.06E-07	1.93E-08	4.67E-07	1.03E-07	1.48E-07	2.35E-07	4.14E-08	4.66E-08	1.06E-06
6015	481800.31	3852292.11	1.62E-03	1.74E-03	2.72E-03	5.59E-07	1.69E-06	9.77E-07	1.05E-06	9.54E-07	4.35E-07	6.82E-07	1.87E-08	4.51E-07	9.95E-08	1.43E-07	2.27E-07	4.00E-08	4.50E-08	1.02E-06
6016	481733.84	3852224.52	1.56E-03	1.68E-03	2.63E-03	5.41E-07	1.63E-06	9.45E-07	1.02E-06	9.23E-07	4.21E-07	6.59E-07	1.81E-08	4.36E-07	9.62E-08	1.38E-07	2.19E-07	3.86E-08	4.35E-08	9.90E-07
6017	481667.36	3852156.92	1.51E-03	1.63E-03	2.55E-03	5.22E-07	1.58E-06	9.13E-07	9.84E-07	8.92E-07	4.07E-07	6.38E-07	1.74E-08	4.21E-07	9.30E-08	1.34E-07	2.12E-07	3.73E-08	4.21E-08	9.57E-07
6018	481600.89	3852089.33	1.46E-03	1.58E-03	2.47E-03	5.06E-07	1.53E-06	8.85E-07	9.54E-07	8.64E-07	3.94E-07	6.18E-07	1.69E-08	4.08E-07	9.01E-08	1.29E-07	2.05E-07	3.62E-08	4.08E-08	9.27E-07
6019	481534.41	3852021.74	1.42E-03	1.53E-03	2.40E-03	4.92E-07	1.48E-06	8.59E-07	9.26E-07	8.39E-07	3.83E-07	6.00E-07	1.64E-08	3.96E-07	8.75E-08	1.26E-07	1.99E-07	3.51E-08	3.96E-08	9.00E-07
6020	481467.94	3851954.15	1.38E-03	1.49E-03	2.33E-03	4.77E-07	1.44E-06	8.34E-07	8.99E-07	8.15E-07	3.72E-07	5.82E-07	1.59E-08	3.85E-07	8.49E-08	1.22E-07	1.94E-07	3.41E-08	3.84E-08	8.74E-07
6021	481401.46	3851886.55	1.34E-03	1.44E-03	2.26E-03	4.63E-07	1.40E-06	8.09E-07	8.72E-07	7.91E-07	3.61E-07	5.65E-07	1.55E-08	3.74E-07	8.24E-08	1.18E-07	1.88E-07	3.31E-08	3.73E-08	8.48E-07
6022	481265.87	3851761.43	1.27E-03	1.37E-03	2.15E-03	4.40E-07	1.33E-06	7.70E-07	8.29E-07	7.52E-07	3.43E-07	5.38E-07	1.47E-08	3.55E-07	7.84E-08	1.13E-07	1.79E-07	3.15E-08	3.55E-08	8.06E-07
6023	481196.74	3851703.89	1.24E-03	1.34E-03	2.10E-03	4.31E-07	1.30E-06	7.53E-07	8.11E-07	7.35E-07	3.36E-07	5.26E-07	1.44E-08	3.47E-07	7.67E-08	1.10E-07	1.75E-07	3.08E-08	3.47E-08	7.89E-07
6024	481076.33	3851619.05	1.21E-03	1.30E-03	2.04E-03	4.18E-07	1.26E-06	7.31E-07	7.88E-07	7.14E-07	3.26E-07	5.11E-07	1.40E-08	3.37E-07	7.44E-08	1.07E-07	1.70E-07	2.99E-08	3.37E-08	7.66E-07
6025	480939.8	3851549.07	1.18E-03	1.27E-03	2.00E-03	4.09E-07	1.24E-06	7.16E-07	7.71E-07	6.99E-07	3.19E-07	5.01E-07	1.37E-08	3.30E-07	7.29E-08	1.05E-07	1.66E-07	2.93E-08	3.30E-08	7.50E-07
6026	480854.56	3851506.41	1.17E-03	1.26E-03	1.98E-03	4.04E-07	1.22E-06	7.06E-07	7.61E-07	6.90E-07	3.15E-07	4.95E-07	1.35E-08	3.26E-07	7.19E-08	1.03E-07	1.64E-07	2.89E-08	3.26E-08	7.40E-07
6027	480769.32	3851463.75	1.15E-03	1.24E-03	1.96E-03	4.00E-07	1.21E-06	6.99E-07	7.53E-07	6.83E-07	3.11E-07	4.90E-07	1.33E-08	3.22E-07	7.11E-08	1.02E-07	1.62E-07	2.86E-08	3.23E-08	7.32E-07
6028	480684.08	3851421.08	1.14E-03	1.23E-03	1.93E-03	3.94E-07	1.19E-06	6.89E-07	7.43E-07	6.74E-07	3.07E-07	4.84E-07	1.32E-08	3.18E-07	7.02E-08	1.01E-07	1.60E-07	2.82E-08	3.19E-08	7.23E-07
6029	480598.84	3851378.42	1.13E-03	1.21E-03	1.91E-03	3.89E-07	1.18E-06	6.81E-07	7.34E-07	6.65E-07	3.04E-07	4.78E-07	1.30E-08	3.14E-07	6.93E-08	9.97E-08	1.58E-07	2.79E-08	3.16E-08	7.14E-07
6030	480435.71	3851275.01	1.09E-03	1.17E-03	1.85E-03	3.76E-07	1.13E-06	6.57E-07	7.08E-07	6.42E-07	2.93E-07	4.62E-07	1.25E-08	3.03E-07	6.69E-08	9.61E-08	1.53E-07	2.69E-08	3.05E-08	6.88E-07
6031	480347.85	3851232.36	1.07E-03	1.15E-03	1.82E-03	3.70E-07	1.12E-06	6.46E-07	6.97E-07	6.32E-07	2.88E-07	4.55E-07	1.23E-08	2.98E-07	6.58E-08	9.46E-08	1.50E-07	2.65E-08	3.00E-08	6.78E-07
6032	480260	3851189.72	1.05E-03	1.13E-03	1.79E-03	3.63E-07	1.10E-06	6.35E-07	6.85E-07	6.21E-07	2.83E-07	4.48E-07	1.21E-08	2.93E-07	6.47E-08	9.30E-08	1.48E-07	2.60E-08	2.95E-08	6.66E-07
6033	480172.15	3851147.07	1.03E-03	1.11E-03	1.76E-03	3.57E-07	1.08E-06	6.23E-07	6.72E-07	6.09E-07	2.78E-07	4.39E-07	1.19E-08	2.88E-07	6.35E-08	9.13E-08	1.45E-07	2.55E-08	2.90E-08	6.54E-07
6034	480084.29	3851104.42	1.01E-03	1.09E-03	1.72E-03	3.49E-07	1.05E-06	6.10E-07	6.58E-07	5.97E-07	2.72E-07	4.30E-07	1.17E-08	2.82E-07	6.21E-08	8.94E-08	1.42E-07	2.50E-08	2.84E-08	6.40E-07
6035	479996.44	3851061.77	9.85E-04	1.06E-03	1.68E-03	3.41E-07	1.03E-06	5.96E-07	6.43E-07	5.83E-07	2.66E-07	4.20E-07	1.14E-08	2.75E-07	6.07E-08	8.73E-08	1.38E-07	2.44E-08	2.77E-08	6.25E-07
6036	479908.58	3851019.13	9.55E-04	1.03E-03	1.63E-03	3.31E-07	9.99E-07	5.78E-07	6.24E-07	5.65E-07	2.58E-07	4.08E-07	1.10E-08	2.67E-07	5.89E-08	8.47E-08	1.34E-07	2.37E-08	2.69E-08	6.06E-07
6037	479820.73	3850976.48	9.29E-04	1.00E-03	1.58E-03	3.21E-07	9.71E-07	5.62E-07	6.06E-07	5.49E-07	2.51E-07	3.97E-07	1.07E-08	2.59E-07	5.72E-08	8.23E-08	1.31E-07	2.30E-08	2.62E-08	5.89E-07
6038	479732.88	3850933.83	9.00E-04	9.71E-04	1.54E-03	3.12E-07	9.41E-07	5.45E-07	5.88E-07	5.33E-07	2.43E-07	3.84E-07	1.04E-08	2.51E-07	5.55E-08	7.98E-08	1.27E-07	2.23E-08	2.54E-08	5.71E-07
6039	479645.02	3850891.18	8.73E-04	9.41E-04	1.49E-03	3.02E-07	9.12E-07	5.28E-07	5.70E-07	5.16E-07	2.36E-07	3.72E-07	1.01E-08	2.44E-07	5.38E-08	7.73E-08	1.23E-07	2.16E-08	2.46E-08	5.54E-07
6040	479557.17	3850848.54	8.45E-04	9.12E-04	1.44E-03	2.93E-07	8.84E-07	5.12E-07	5.52E-07	5.00E-07	2.28E-07	3.61E-07	9.77E-09	2.36E-07	5.21E-08	7.49E-08	1.19E-07	2.09E-08	2.38E-08	5.36E-07
6041	479469.32	3850805.89	8.14E-04	8.78E-04	1.39E-03	2.82E-07	8.51E-07	4.92E-07	5.31E-07	4.81E-07	2.20E-07	3.47E-07	9.41E-09	2.27E-07	5.01E-08	7.21E-08	1.14E-07	2.02E-08	2.29E-08	5.16E-07
6042	479381.46	3850763.24	7.88E-04	8.50E-04	1.34E-03	2.73E-07	8.24E-07	4.77E-07	5.14E-07	4.66E-07	2.13E-07	3.36E-07	9.11E-09	2.20E-07	4.85E-08	6.98E-08	1.11E-07	1.95E-08	2.21E-08	5.00E-07
6043	479293.61	3850720.59	7.65E-04	8.25E-04	1.30E-03	2.65E-07	7.99E-07	4.63E-07	4.99E-07	4.52E-07	2.06E-07	3.25E-07	8.84E-09	2.14E-07	4.71E-08	6.77E-08	1.07E-07	1.89E-08	2.15E-08	4.85E-07
6044	479205.76	3850677.95	7.40E-04	7.98E-04	1.26E-03	2.56E-07	7.74E-07	4.48E-07	4.83E-07	4.38E-07	2.00E-07	3.14E-07	8.56E-09	2.07E-07	4.56E-08	6.56E-08	1.04E-07	1.83E-08	2.07E-08	4.70E-07
6045	479117.9	3850635.3	7.17E-04	7.73E-04	1.22E-03	2.48E-07	7.50E-07	4.34E-07	4.68E-07	4.24E-07	1.94E-07	3.04E-07	8.29E-09	2.00E-07	4.42E-08	6.35E-08	1.01E-07	1.78E-08	2.01E-08	4.55E-07
6046	479030.05	3850592.65	6.94E-04	7.48E-04	1.17E-03	2.40E-07	7.25E-07	4.20E-07	4.53E-07	4.10E-07	1.87E-07	2.94E-07	8.02E-09	1.94E-07	4.28E-08	6.14E-08	9.75E-08	1.72E-08	1.94E-08	4.40E-07
6047	478942.19	3850550	6.65E-04	7.17E-04	1.13E-03	2.30E-07	6.96E-07	4.03E-07	4.34E-07	3.93E-07	1.79E-07	2.82E-07	7.69E-09	1.86E-07	4.10E-08	5.89E-08	9.35E-08	1.65E-08	1.86E-08	4.22E-07
6048	478854.34	3850507.36	6.26E-04	6.75E-04	1.06E-03	2.17E-07	6.55E-07	3.79E-07	4.09E-07	3.70E-07	1.69E-07	2.66E-07	7.24E-09	1.75E-07	3.86E-08	5.55E-08	8.80E-08	1.55E-08	1.75E-08	3.97E-07
6049	478766.49	3850464.71	5.98E-04	6.44E-04	1.01E-03	2.07E-07	6.25E-07	3.62E-07	3.90E-07	3.53E-07	1.61E-07	2.53E-07	6.91E-09	1.67E-07	3.68E-08	5.29E-08	8.40E-08	1.48E-08	1.67E-08	3.79E-07
6050	478678.63	3850422.06	5.73E-04	6.17E-04	9.70E-04	1.98E-07	5.99E-07	3.47E-07	3.74E-07	3.39E-07	1.55E-07	2.43E-07	6.62E-09	1.60E-07	3.53E-08	5.07E-08	8.05E-08	1.42E-08	1.60E-08	3.63E-07
6051	478590.78	3850379.41	5.49E-04	5.91E-04	9.29E-04	1.90E-07	5.74E-07	3.32E-07	3.58E-07	3.24E-07	1.48E-07	2.33E-07	6.34E-09	1.53E-07	3.38E-08	4.86E-08	7.71E-08	1.36E-08	1.53E-08	3.48E-07
6052	478502.93	3850336.77	5.29E-04	5.70E-04	8.96E-04	1.83E-07	5.53E-07	3.20E-07	3.45E-07	3.13E-07	1.43E-07	2.24E-07	6.11E-09	1.48E-07	3.26E-08	4.68E-08	7.43E-08	1.31E-08	1.48E-08	3.35E-07
6053	478415.07	3850294.12	5.12E-04	5.52E-04	8.67E-04	1.77E-07	5.35E-07	3.10E-07	3.34E-07	3.03E-07	1.38E-07	2.17E-07	5.92E-09	1.43E-07	3.15E-08	4.53E-08	7.19E-08	1.27E-08	1.43E-08	3.25E-07
6054	478327.22	3850251.47	4.93E-04	5.31E-04	8.35E-04	1.71E-07	5.15E-07	2.98E-07	3.22E-07	2.91E-07	1.33E-07	2.09E-07	5.70E-09	1.38E-07	3.04E-08	4.37E-08	6.92E-08	1.22E-08	1.38E-08	3.13E-07
6055	478239.36	3850208.82	4.77E-04	5.14E-04	8.08E-04	1.65E-07	4.98E-07	2.89E-07	3.11E-07	2.82E-07	1.29E-07	2.02E-07	5.51E-09	1.33E-07	2.94E-08	4.22E-08	6.70E-08	1.18E-08	1.33E-08	3.02E-07
6056	478151.51	3850166.18	4.64E-04	5.00E-04	7.85E-04	1.60E-07	4.84E-07	2.80E-07	3.02E-07	2.74E-07	1.25E-07	1.96E-07	5.36E-09	1.29E-07	2.86E-08	4.10E-08	6.51E-08	1.15E-08	1.30E-08	2.94E-07
6057	478063.66	3850123.53	4.51E-04	4.86E-04	7.64E-04	1.56E-07	4.72E-07	2.73E-07	2.94E-07	2.67E-07	1.22E-07	1.91E-07	5.22E-09	1.26E-07	2.78E-08	4.00E-08	6.34E-08	1.12E-08	1.26E-08	2.86E-07
6058	477975.8	3850080.88	4.54E-04	4.89E-04	7.67E-04	1.57E-07	4.74E-07	2.75E-07	2.96E-07	2.68E-07	1.22E-07	1.92E-07	5.25E-09	1.27E-07	2.80E-08	4.02E-08	6.37E-08	1.12E-08	1.27E-08	2.88E-07
6059	477887.95	3850038.23	4.48E-04	4.83E-04	7.57E-04	1.55E-07	4.68E-07	2.71E-07	2.92E-07	2.65E-07	1.21E-07	1.89E-07	5.18E-09	1.25E-07	2.76E-08	3.96E-08	6.29E-08	1.11E-08	1.25E-08	2.84E-07
6060	477800.1	3849995.59	4.44E-04	4.79E-04	7.50E-04	1.54E-07	4.64E-07	2.69E-07	2.90E-07	2.62E-07	1.20E-07	1.88E-07	5.13E-09	1.24E-07	2.74E-08	3.93E-08	6.24E-08	1.10E-08	1.24E-08	2.82E-07
6061	477712.24	3849952.94	4.37E-04	4.71E-04	7.38E-04	1.51E-07	4.57E-07	2.65E-07	2.85E-07	2.58E-07	1.18E-07	1.85E-07	5.06E-09	1.22E-07	2.70E-08	3.87E-08	6.14E-08	1.08E-08	1.22E-08	2.77E-07
6062	477624.39	3849910.29	4.31E-04	4.65E-04	7.28E-04	1.49E-07	4.51E-07	2.61E-07	2.81E-07	2.55E-07	1.16E-07	1.82E-07	4.99E-09	1.20E-07	2.66E-08	3.82E-08	6.06E-08	1.07E-08	1.20E-08	2.74E-07
6063	477536.54	3849867.64	4.27E-04	4.60E-04	7.20E-04	1.48E-07	4.46E-07	2.58E-07	2.78E-07	2.52E-07	1.15E-07	1.80E-07	4.93E-09	1.19E-07	2.63E-08	3.78E-08	5.99E-08	1.06E-08	1.19E-08	2.71E-07
6064	477448.68	3849825	4.21E-04	4.53E-04	7.10E-04	1.46E-07	4.40E-07	2.55E-07	2.74E-07	2.49E-07	1.13E-07	1.78E-07	4.86E-09	1.17E-07	2.59E-08	3.72E-08	5.91E-08	1.04E-08	1.17E-08	2.67E-07
6065	477360.83	3849782.35	4.16E-04	4.48E-04	7.01E-04	1.44E-07	4.34E-07	2.51E-07	2.71E-07	2.46E-07	1.12E-07	1.76E-07	4.80E-09	1.16E-07	2.56E-08	3.68E-08	5.83E-08	1.03E-08	1.16E-08	2.63E-07
6066	477272.97	3849739.7	4.10E-04	4.42E-04	6.93E-04	1.42E-07	4.29E-07	2.48E-07	2.68E-07	2.43E-07	1.11E-07	1.73E-07	4.74E-09	1.15E-07	2.53E-08	3.63E-08	5.76E-08	1.02E-08	1.14E-08	2.60E-07
6067	477185.12	3849697.05	4.07E-04	4.38E-04	6.86E-04	1.41E-07	4.25E-07	2.46E-07	2.65E-07	2.40E-07	1.10E-07	1.72E-07	4.70E-09	1.14E-07	2.51E-08	3.60E-08	5.71E-08	1.01E-08	1.13E-08	2.58E-07
6068	477097.27	3849654.41	4.02E-04	4.33E-04	6.79E-04	1.39E-07	4.20E-07	2.43E-07	2.62E-07	2.37E-07	1.08E-07	1.70E-07	4.64E-09	1.12E-07	2.47E-08	3.56E-08	5.64E-08	9.94E-09	1.12E-08	2.55E-07
6069	477009.41	3849611.76	3.94E-04	4.24E-04	6.66E-04	1.36E-07	4.12E-07	2.38E-07	2.57E-07	2.33E-07	1.06E-07	1.67E-07	4.55E-09	1.10E-07	2.43E-08	3.49E-08	5.53E-08	9.75E-09	1.10E-08	2.50E-07
6070	476841.49	3849530.08	3.86E-04	4.16E-04	6.53E-04	1.34E-07	4.03E-07	2.33E-07	2.52E-07	2.28E-07	1.04E-07	1.63E-07	4.46E-09	1.08E-07	2.38E-08	3.42E-08	5.42E-08	9.55E-09	1.08E-08	2.45E-07

6071	476761.41	3849491.05	3.83E-04	4.13E-04	6.49E-04	1.33E-07	4.01E-07	2.32E-07	2.50E-07	2.27E-07	1.03E-07	1.62E-07	4.43E-09	1.07E-07	2.36E-08	3.39E-08	5.38E-08	9.49E-09	1.07E-08	2.43E-07
6072	476681.34	3849452.02	3.79E-04	4.09E-04	6.43E-04	1.31E-07	3.97E-07	2.30E-07	2.47E-07	2.24E-07	1.02E-07	1.61E-07	4.39E-09	1.06E-07	2.34E-08	3.36E-08	5.33E-08	9.39E-09	1.06E-08	2.41E-07
6073	476601.26	3849412.99	3.75E-04	4.04E-04	6.35E-04	1.30E-07	3.92E-07	2.27E-07	2.44E-07	2.21E-07	1.01E-07	1.59E-07	4.33E-09	1.05E-07	2.31E-08	3.32E-08	5.26E-08	9.27E-09	1.05E-08	2.38E-07
6074	476456.32	3849353.67	3.65E-04	3.94E-04	6.20E-04	1.27E-07	3.82E-07	2.21E-07	2.38E-07	2.16E-07	9.86E-08	1.55E-07	4.22E-09	1.02E-07	2.25E-08	3.24E-08	5.13E-08	9.05E-09	1.02E-08	2.32E-07
6075	476305.43	3849318.84	3.69E-04	3.98E-04	6.25E-04	1.28E-07	3.85E-07	2.23E-07	2.41E-07	2.18E-07	9.95E-08	1.57E-07	4.26E-09	1.03E-07	2.27E-08	3.27E-08	5.18E-08	9.13E-09	1.03E-08	2.34E-07
6076	476129.36	3849289.99	3.70E-04	3.99E-04	6.28E-04	1.28E-07	3.87E-07	2.24E-07	2.42E-07	2.19E-07	9.99E-08	1.57E-07	4.28E-09	1.03E-07	2.28E-08	3.28E-08	5.20E-08	9.17E-09	1.04E-08	2.35E-07
6077	476039.31	3849275.68	3.71E-04	4.00E-04	6.30E-04	1.28E-07	3.88E-07	2.25E-07	2.42E-07	2.19E-07	1.00E-07	1.58E-07	4.29E-09	1.04E-07	2.29E-08	3.29E-08	5.21E-08	9.19E-09	1.04E-08	2.35E-07
6078	475949.26	3849261.38	3.67E-04	3.96E-04	6.23E-04	1.27E-07	3.84E-07	2.22E-07	2.39E-07	2.17E-07	9.91E-08	1.56E-07	4.24E-09	1.03E-07	2.26E-08	3.25E-08	5.16E-08	9.09E-09	1.03E-08	2.33E-07
6079	475859.21	3849247.08	3.67E-04	3.95E-04	6.22E-04	1.27E-07	3.83E-07	2.22E-07	2.39E-07	2.17E-07	9.89E-08	1.56E-07	4.24E-09	1.02E-07	2.26E-08	3.25E-08	5.15E-08	9.08E-09	1.03E-08	2.32E-07
6080	475769.16	3849232.77	3.65E-04	3.93E-04	6.20E-04	1.26E-07	3.81E-07	2.21E-07	2.38E-07	2.16E-07	9.84E-08	1.55E-07	4.22E-09	1.02E-07	2.25E-08	3.23E-08	5.13E-08	9.03E-09	1.02E-08	2.31E-07
6081	475585.23	3849219.27	3.21E-04	3.46E-04	5.46E-04	1.11E-07	3.35E-07	1.94E-07	2.09E-07	1.90E-07	8.66E-08	1.37E-07	3.71E-09	8.95E-08	1.98E-08	2.84E-08	4.51E-08	7.94E-09	9.02E-09	2.03E-07
6082	475444.5	3849150.35	3.43E-04	3.70E-04	5.84E-04	1.19E-07	3.59E-07	2.08E-07	2.24E-07	2.03E-07	9.26E-08	1.46E-07	3.97E-09	9.58E-08	2.11E-08	3.04E-08	4.82E-08	8.50E-09	9.64E-09	2.18E-07
6083	475334.18	3849118.71	3.47E-04	3.74E-04	5.90E-04	1.20E-07	3.62E-07	2.10E-07	2.26E-07	2.05E-07	9.36E-08	1.48E-07	4.01E-09	9.68E-08	2.14E-08	3.07E-08	4.87E-08	8.59E-09	9.74E-09	2.20E-07
6084	475230.47	3849060.57	3.43E-04	3.69E-04	5.83E-04	1.19E-07	3.58E-07	2.07E-07	2.24E-07	2.03E-07	9.25E-08	1.46E-07	3.96E-09	9.57E-08	2.11E-08	3.03E-08	4.81E-08	8.49E-09	9.62E-09	2.17E-07
6085	475110.86	3848960.97	3.34E-04	3.60E-04	5.67E-04	1.15E-07	3.49E-07	2.02E-07	2.18E-07	1.97E-07	9.00E-08	1.42E-07	3.86E-09	9.31E-08	2.06E-08	2.95E-08	4.69E-08	8.26E-09	9.37E-09	2.12E-07
6086	475037.79	3848896.28	3.25E-04	3.51E-04	5.54E-04	1.13E-07	3.40E-07	1.97E-07	2.12E-07	1.92E-07	8.78E-08	1.39E-07	3.76E-09	9.08E-08	2.00E-08	2.88E-08	4.57E-08	8.06E-09	9.14E-09	2.06E-07
6087	474964.72	3848831.59	3.18E-04	3.43E-04	5.41E-04	1.10E-07	3.32E-07	1.92E-07	2.07E-07	1.88E-07	8.58E-08	1.35E-07	3.67E-09	8.88E-08	1.96E-08	2.82E-08	4.47E-08	7.87E-09	8.93E-09	2.02E-07
6088	474891.65	3848766.9	3.13E-04	3.37E-04	5.32E-04	1.08E-07	3.27E-07	1.89E-07	2.04E-07	1.85E-07	8.44E-08	1.33E-07	3.62E-09	8.73E-08	1.93E-08	2.77E-08	4.40E-08	7.75E-09	8.79E-09	1.98E-07
6089	474818.58	3848702.22	3.09E-04	3.33E-04	5.26E-04	1.07E-07	3.23E-07	1.87E-07	2.02E-07	1.83E-07	8.34E-08	1.32E-07	3.57E-09	8.63E-08	1.90E-08	2.74E-08	4.34E-08	7.66E-09	8.68E-09	1.96E-07
6090	474745.51	3848637.53	3.11E-04	3.36E-04	5.29E-04	1.08E-07	3.25E-07	1.88E-07	2.03E-07	1.84E-07	8.40E-08	1.32E-07	3.60E-09	8.69E-08	1.92E-08	2.76E-08	4.37E-08	7.71E-09	8.73E-09	1.97E-07
6091	474672.44	3848572.84	3.09E-04	3.33E-04	5.26E-04	1.07E-07	3.23E-07	1.87E-07	2.02E-07	1.83E-07	8.34E-08	1.32E-07	3.57E-09	8.63E-08	1.91E-08	2.74E-08	4.35E-08	7.66E-09	8.68E-09	1.96E-07
6092	474599.37	3848508.15	3.03E-04	3.26E-04	5.15E-04	1.05E-07	3.16E-07	1.83E-07	1.98E-07	1.79E-07	8.17E-08	1.29E-07	3.50E-09	8.45E-08	1.87E-08	2.68E-08	4.25E-08	7.50E-09	8.50E-09	1.92E-07
6093	474526.3	3848443.46	2.98E-04	3.22E-04	5.07E-04	1.03E-07	3.12E-07	1.81E-07	1.95E-07	1.77E-07	8.06E-08	1.27E-07	3.45E-09	8.33E-08	1.84E-08	2.64E-08	4.19E-08	7.39E-09	8.38E-09	1.89E-07

Block Swap Yard - Student Risk

		2028 RD			2033 RD			2048 RD		
Rec#	X, Y	Concentra	Dose	Risk	Concentra	Dose	Risk	Concentra	Dose	Risk
1	485973.61, 3854936.51	1.17E-02	3.69E-06	1.57E-06	1.26E-02	3.98E-06	1.69E-06	1.98E-02	6.26E-06	2.66E-06
2	486023.61, 3854936.51	1.14E-02	3.59E-06	1.52E-06	1.23E-02	3.87E-06	1.64E-06	1.93E-02	6.08E-06	2.58E-06
3	486073.61, 3854936.51	1.11E-02	3.51E-06	1.49E-06	1.20E-02	3.78E-06	1.61E-06	1.89E-02	5.96E-06	2.53E-06
4	486123.61, 3854936.51	1.07E-02	3.37E-06	1.43E-06	1.15E-02	3.63E-06	1.54E-06	1.81E-02	5.72E-06	2.43E-06
5	486173.61, 3854936.51	1.06E-02	3.34E-06	1.42E-06	1.14E-02	3.60E-06	1.53E-06	1.80E-02	5.67E-06	2.40E-06
6	486223.61, 3854936.51	1.03E-02	3.25E-06	1.38E-06	1.11E-02	3.50E-06	1.49E-06	1.75E-02	5.51E-06	2.34E-06
7	486273.61, 3854936.51	1.01E-02	3.18E-06	1.35E-06	1.09E-02	3.43E-06	1.45E-06	1.71E-02	5.40E-06	2.29E-06
8	486323.61, 3854936.51	9.88E-03	3.12E-06	1.32E-06	1.06E-02	3.36E-06	1.43E-06	1.68E-02	5.30E-06	2.25E-06
9	485973.61, 3854986.51	1.25E-02	3.94E-06	1.67E-06	1.35E-02	4.25E-06	1.80E-06	2.12E-02	6.68E-06	2.83E-06
10	486023.61, 3854986.51	1.22E-02	3.84E-06	1.63E-06	1.31E-02	4.14E-06	1.76E-06	2.06E-02	6.51E-06	2.76E-06
11	486073.61, 3854986.51	1.18E-02	3.72E-06	1.58E-06	1.27E-02	4.01E-06	1.70E-06	2.00E-02	6.31E-06	2.68E-06
12	486123.61, 3854986.51	1.15E-02	3.61E-06	1.53E-06	1.23E-02	3.90E-06	1.65E-06	1.94E-02	6.13E-06	2.60E-06
13	486173.61, 3854986.51	1.12E-02	3.55E-06	1.51E-06	1.21E-02	3.83E-06	1.62E-06	1.91E-02	6.02E-06	2.55E-06
14	486223.61, 3854986.51	1.09E-02	3.45E-06	1.46E-06	1.18E-02	3.71E-06	1.58E-06	1.85E-02	5.85E-06	2.48E-06
15	486273.61, 3854986.51	1.06E-02	3.34E-06	1.42E-06	1.14E-02	3.60E-06	1.53E-06	1.80E-02	5.67E-06	2.40E-06
16	486323.61, 3854986.51	1.05E-02	3.32E-06	1.41E-06	1.13E-02	3.58E-06	1.52E-06	1.78E-02	5.63E-06	2.39E-06
17	485973.61, 3855036.51	1.33E-02	4.21E-06	1.79E-06	1.44E-02	4.54E-06	1.93E-06	2.26E-02	7.13E-06	3.03E-06
18	486023.61, 3855036.51	1.30E-02	4.09E-06	1.73E-06	1.40E-02	4.41E-06	1.87E-06	2.19E-02	6.92E-06	2.94E-06
19	486073.61, 3855036.51	1.25E-02	3.94E-06	1.67E-06	1.35E-02	4.25E-06	1.80E-06	2.12E-02	6.68E-06	2.83E-06
20	486123.61, 3855036.51	1.21E-02	3.83E-06	1.62E-06	1.31E-02	4.13E-06	1.75E-06	2.06E-02	6.49E-06	2.75E-06
21	486173.61, 3855036.51	1.19E-02	3.76E-06	1.60E-06	1.28E-02	4.05E-06	1.72E-06	2.02E-02	6.38E-06	2.70E-06
22	486223.61, 3855036.51	1.15E-02	3.63E-06	1.54E-06	1.24E-02	3.91E-06	1.66E-06	1.95E-02	6.16E-06	2.61E-06
23	486273.61, 3855036.51	1.13E-02	3.58E-06	1.52E-06	1.22E-02	3.86E-06	1.64E-06	1.92E-02	6.07E-06	2.58E-06
24	486323.61, 3855036.51	1.10E-02	3.49E-06	1.48E-06	1.19E-02	3.76E-06	1.59E-06	1.87E-02	5.92E-06	2.51E-06
25	485973.61, 3855086.51	1.42E-02	4.48E-06	1.90E-06	1.53E-02	4.83E-06	2.05E-06	2.40E-02	7.58E-06	3.22E-06
26	486023.61, 3855086.51	1.38E-02	4.37E-06	1.85E-06	1.49E-02	4.70E-06	2.00E-06	2.34E-02	7.39E-06	3.13E-06
27	486073.61, 3855086.51	1.33E-02	4.20E-06	1.78E-06	1.43E-02	4.53E-06	1.92E-06	2.25E-02	7.11E-06	3.02E-06
28	486123.61, 3855086.51	1.30E-02	4.10E-06	1.74E-06	1.40E-02	4.42E-06	1.87E-06	2.20E-02	6.94E-06	2.95E-06
29	486173.61, 3855086.51	1.25E-02	3.96E-06	1.68E-06	1.35E-02	4.27E-06	1.81E-06	2.13E-02	6.71E-06	2.85E-06
30	486223.61, 3855086.51	1.23E-02	3.87E-06	1.64E-06	1.32E-02	4.17E-06	1.77E-06	2.08E-02	6.55E-06	2.78E-06
31	485973.61, 3855136.51	1.52E-02	4.79E-06	2.03E-06	1.64E-02	5.17E-06	2.19E-06	2.57E-02	8.11E-06	3.44E-06
32	486023.61, 3855136.51	1.47E-02	4.64E-06	1.97E-06	1.58E-02	5.00E-06	2.12E-06	2.49E-02	7.85E-06	3.33E-06
33	486073.61, 3855136.51	1.42E-02	4.49E-06	1.90E-06	1.53E-02	4.84E-06	2.05E-06	2.41E-02	7.59E-06	3.22E-06
34	486123.61, 3855136.51	1.38E-02	4.35E-06	1.85E-06	1.49E-02	4.69E-06	1.99E-06	2.34E-02	7.37E-06	3.13E-06
35	486173.61, 3855136.51	1.34E-02	4.22E-06	1.79E-06	1.44E-02	4.54E-06	1.93E-06	2.26E-02	7.14E-06	3.03E-06
36	486223.61, 3855136.51	1.30E-02	4.10E-06	1.74E-06	1.40E-02	4.42E-06	1.87E-06	2.20E-02	6.94E-06	2.95E-06
37	485973.61, 3855186.51	1.62E-02	5.12E-06	2.17E-06	1.75E-02	5.52E-06	2.34E-06	2.75E-02	8.67E-06	3.68E-06
38	486023.61, 3855186.51	1.57E-02	4.96E-06	2.11E-06	1.69E-02	5.35E-06	2.27E-06	2.66E-02	8.39E-06	3.56E-06
39	486073.61, 3855186.51	1.51E-02	4.77E-06	2.02E-06	1.63E-02	5.14E-06	2.18E-06	2.56E-02	8.07E-06	3.42E-06
40	486123.61, 3855186.51	1.45E-02	4.59E-06	1.95E-06	1.57E-02	4.94E-06	2.10E-06	2.46E-02	7.77E-06	3.30E-06
41	486173.61, 3855186.51	1.41E-02	4.45E-06	1.89E-06	1.52E-02	4.80E-06	2.04E-06	2.39E-02	7.54E-06	3.20E-06
42	486223.61, 3855186.51	1.37E-02	4.32E-06	1.83E-06	1.48E-02	4.66E-06	1.98E-06	2.32E-02	7.32E-06	3.11E-06
43	486273.61, 3855186.51	1.33E-02	4.19E-06	1.78E-06	1.43E-02	4.51E-06	1.91E-06	2.25E-02	7.09E-06	3.01E-06
44	486323.61, 3855186.51	1.32E-02	4.17E-06	1.77E-06	1.42E-02	4.49E-06	1.91E-06	2.24E-02	7.07E-06	3.00E-06
45	485973.61, 3855236.51	1.73E-02	5.46E-06	2.31E-06	1.86E-02	5.88E-06	2.49E-06	2.92E-02	9.23E-06	3.91E-06
46	486023.61, 3855236.51	1.66E-02	5.24E-06	2.22E-06	1.79E-02	5.65E-06	2.40E-06	2.81E-02	8.86E-06	3.76E-06
47	486073.61, 3855236.51	1.59E-02	5.02E-06	2.13E-06	1.72E-02	5.41E-06	2.30E-06	2.69E-02	8.50E-06	3.61E-06
48	486123.61, 3855236.51	1.54E-02	4.86E-06	2.06E-06	1.66E-02	5.24E-06	2.22E-06	2.61E-02	8.22E-06	3.49E-06
49	486173.61, 3855236.51	1.49E-02	4.71E-06	2.00E-06	1.61E-02	5.07E-06	2.15E-06	2.53E-02	7.97E-06	3.38E-06
50	486223.61, 3855236.51	1.44E-02	4.55E-06	1.93E-06	1.56E-02	4.91E-06	2.08E-06	2.44E-02	7.71E-06	3.27E-06
51	486273.61, 3855236.51	1.38E-02	4.36E-06	1.85E-06	1.49E-02	4.70E-06	1.99E-06	2.34E-02	7.38E-06	3.13E-06
52	486323.61, 3855236.51	1.39E-02	4.39E-06	1.86E-06	1.50E-02	4.73E-06	2.01E-06	2.36E-02	7.44E-06	3.16E-06
53	485973.61, 3855286.51	1.83E-02	5.79E-06	2.46E-06	1.98E-02	6.24E-06	2.65E-06	3.10E-02	9.79E-06	4.16E-06
54	486023.61, 3855286.51	1.76E-02	5.54E-06	2.35E-06	1.89E-02	5.97E-06	2.53E-06	2.97E-02	9.37E-06	3.98E-06
55	486073.61, 3855286.51	1.69E-02	5.33E-06	2.26E-06	1.82E-02	5.74E-06	2.44E-06	2.86E-02	9.02E-06	3.83E-06
56	486123.61, 3855286.51	1.62E-02	5.12E-06	2.17E-06	1.75E-02	5.52E-06	2.34E-06	2.75E-02	8.67E-06	3.68E-06
57	486173.61, 3855286.51	1.56E-02	4.94E-06	2.09E-06	1.69E-02	5.32E-06	2.26E-06	2.65E-02	8.36E-06	3.55E-06

58	486223.61, 3855286.51	1.52E-02	4.80E-06	2.03E-06	1.64E-02	5.17E-06	2.19E-06	2.57E-02	8.12E-06	3.45E-06
59	486123.61, 3855336.51	1.71E-02	5.39E-06	2.29E-06	1.84E-02	5.81E-06	2.46E-06	2.89E-02	9.12E-06	3.87E-06
60	486173.61, 3855336.51	1.65E-02	5.22E-06	2.21E-06	1.78E-02	5.62E-06	2.39E-06	2.80E-02	8.83E-06	3.75E-06
61	486223.61, 3855336.51	1.60E-02	5.04E-06	2.14E-06	1.72E-02	5.43E-06	2.31E-06	2.71E-02	8.54E-06	3.62E-06
62	486123.61, 3855386.51	1.80E-02	5.68E-06	2.41E-06	1.94E-02	6.12E-06	2.60E-06	3.05E-02	9.62E-06	4.08E-06
63	486173.61, 3855386.51	1.74E-02	5.49E-06	2.33E-06	1.87E-02	5.92E-06	2.51E-06	2.95E-02	9.30E-06	3.95E-06
64	486223.61, 3855386.51	1.69E-02	5.32E-06	2.26E-06	1.82E-02	5.74E-06	2.43E-06	2.86E-02	9.02E-06	3.83E-06
65	486533.18, 3855443.15	1.52E-02	4.78E-06	2.03E-06	1.63E-02	5.16E-06	2.19E-06	2.58E-02	8.13E-06	3.45E-06
66	486583.18, 3855443.15	1.47E-02	4.66E-06	1.98E-06	1.59E-02	5.02E-06	2.13E-06	2.51E-02	7.91E-06	3.36E-06
67	486633.18, 3855443.15	1.44E-02	4.53E-06	1.92E-06	1.55E-02	4.89E-06	2.07E-06	2.44E-02	7.71E-06	3.27E-06
68	486683.18, 3855443.15	1.41E-02	4.45E-06	1.89E-06	1.52E-02	4.79E-06	2.03E-06	2.40E-02	7.56E-06	3.21E-06
69	486533.18, 3855493.15	1.58E-02	5.00E-06	2.12E-06	1.71E-02	5.39E-06	2.29E-06	2.69E-02	8.50E-06	3.60E-06
70	486583.18, 3855493.15	1.54E-02	4.87E-06	2.07E-06	1.66E-02	5.25E-06	2.23E-06	2.62E-02	8.28E-06	3.51E-06
71	486633.18, 3855493.15	1.50E-02	4.74E-06	2.01E-06	1.62E-02	5.12E-06	2.17E-06	2.56E-02	8.07E-06	3.42E-06
72	486683.18, 3855493.15	1.47E-02	4.63E-06	1.96E-06	1.58E-02	4.99E-06	2.12E-06	2.49E-02	7.87E-06	3.34E-06
73	486533.18, 3855543.15	1.66E-02	5.24E-06	2.22E-06	1.79E-02	5.65E-06	2.40E-06	2.82E-02	8.91E-06	3.78E-06
74	486583.18, 3855543.15	1.60E-02	5.06E-06	2.15E-06	1.73E-02	5.46E-06	2.32E-06	2.73E-02	8.62E-06	3.66E-06
75	486633.18, 3855543.15	1.56E-02	4.94E-06	2.10E-06	1.69E-02	5.33E-06	2.26E-06	2.66E-02	8.41E-06	3.57E-06
76	486683.18, 3855543.15	1.51E-02	4.78E-06	2.03E-06	1.63E-02	5.15E-06	2.19E-06	2.58E-02	8.13E-06	3.45E-06
77	486533.18, 3855593.15	1.73E-02	5.46E-06	2.32E-06	1.87E-02	5.89E-06	2.50E-06	2.95E-02	9.30E-06	3.94E-06
78	486583.18, 3855593.15	1.68E-02	5.29E-06	2.25E-06	1.81E-02	5.71E-06	2.42E-06	2.85E-02	9.01E-06	3.82E-06
79	486633.18, 3855593.15	1.63E-02	5.14E-06	2.18E-06	1.76E-02	5.55E-06	2.35E-06	2.77E-02	8.76E-06	3.72E-06
80	486683.18, 3855593.15	1.59E-02	5.02E-06	2.13E-06	1.72E-02	5.41E-06	2.30E-06	2.71E-02	8.55E-06	3.63E-06
81	486533.18, 3855643.15	1.81E-02	5.70E-06	2.42E-06	1.95E-02	6.15E-06	2.61E-06	3.08E-02	9.71E-06	4.12E-06
82	486583.18, 3855643.15	1.75E-02	5.53E-06	2.35E-06	1.89E-02	5.97E-06	2.53E-06	2.99E-02	9.42E-06	4.00E-06
83	486633.18, 3855643.15	1.70E-02	5.37E-06	2.28E-06	1.83E-02	5.79E-06	2.46E-06	2.90E-02	9.15E-06	3.88E-06
84	486683.18, 3855643.15	1.66E-02	5.23E-06	2.22E-06	1.79E-02	5.64E-06	2.39E-06	2.82E-02	8.91E-06	3.78E-06
85	486533.18, 3855693.15	1.89E-02	5.98E-06	2.54E-06	2.04E-02	6.45E-06	2.74E-06	3.23E-02	1.02E-05	4.33E-06
86	486583.18, 3855693.15	1.82E-02	5.75E-06	2.44E-06	1.97E-02	6.21E-06	2.63E-06	3.11E-02	9.81E-06	4.16E-06
87	486633.18, 3855693.15	1.75E-02	5.54E-06	2.35E-06	1.89E-02	5.97E-06	2.53E-06	2.99E-02	9.44E-06	4.01E-06
88	486683.18, 3855693.15	1.72E-02	5.44E-06	2.31E-06	1.86E-02	5.86E-06	2.49E-06	2.94E-02	9.27E-06	3.93E-06
89	486733.18, 3855693.15	1.71E-02	5.38E-06	2.28E-06	1.84E-02	5.81E-06	2.46E-06	2.91E-02	9.18E-06	3.90E-06
90	486783.18, 3855693.15	1.70E-02	5.35E-06	2.27E-06	1.83E-02	5.77E-06	2.45E-06	2.89E-02	9.13E-06	3.88E-06
91	486533.18, 3855743.15	1.98E-02	6.24E-06	2.65E-06	2.13E-02	6.73E-06	2.85E-06	3.37E-02	1.06E-05	4.52E-06
92	486583.18, 3855743.15	1.89E-02	5.96E-06	2.53E-06	2.04E-02	6.43E-06	2.73E-06	3.22E-02	1.02E-05	4.32E-06
93	486633.18, 3855743.15	1.83E-02	5.77E-06	2.45E-06	1.97E-02	6.22E-06	2.64E-06	3.12E-02	9.84E-06	4.18E-06
94	486683.18, 3855743.15	1.80E-02	5.69E-06	2.41E-06	1.95E-02	6.14E-06	2.61E-06	3.08E-02	9.72E-06	4.12E-06
95	486733.18, 3855743.15	1.77E-02	5.58E-06	2.37E-06	1.91E-02	6.02E-06	2.55E-06	3.02E-02	9.53E-06	4.04E-06
96	486783.18, 3855743.15	1.77E-02	5.58E-06	2.37E-06	1.91E-02	6.02E-06	2.55E-06	3.02E-02	9.53E-06	4.04E-06
97	486533.18, 3855793.15	2.06E-02	6.51E-06	2.76E-06	2.23E-02	7.02E-06	2.98E-06	3.52E-02	1.11E-05	4.72E-06
98	486583.18, 3855793.15	1.95E-02	6.15E-06	2.61E-06	2.10E-02	6.63E-06	2.81E-06	3.33E-02	1.05E-05	4.46E-06
99	486633.18, 3855793.15	1.92E-02	6.05E-06	2.57E-06	2.07E-02	6.53E-06	2.77E-06	3.28E-02	1.03E-05	4.39E-06
100	486683.18, 3855793.15	1.89E-02	5.97E-06	2.53E-06	2.04E-02	6.45E-06	2.74E-06	3.24E-02	1.02E-05	4.33E-06
101	486733.18, 3855793.15	1.86E-02	5.87E-06	2.49E-06	2.01E-02	6.34E-06	2.69E-06	3.18E-02	1.00E-05	4.26E-06
102	486783.18, 3855793.15	1.84E-02	5.79E-06	2.46E-06	1.98E-02	6.25E-06	2.65E-06	3.14E-02	9.90E-06	4.20E-06
103	486533.18, 3855843.15	2.13E-02	6.72E-06	2.85E-06	2.30E-02	7.26E-06	3.08E-06	3.64E-02	1.15E-05	4.88E-06
104	486583.18, 3855843.15	2.03E-02	6.42E-06	2.72E-06	2.20E-02	6.93E-06	2.94E-06	3.48E-02	1.10E-05	4.66E-06
105	486633.18, 3855843.15	2.00E-02	6.32E-06	2.68E-06	2.16E-02	6.83E-06	2.90E-06	3.43E-02	1.08E-05	4.59E-06
106	486683.18, 3855843.15	1.98E-02	6.24E-06	2.65E-06	2.13E-02	6.73E-06	2.86E-06	3.38E-02	1.07E-05	4.53E-06
107	486733.18, 3855843.15	1.95E-02	6.15E-06	2.61E-06	2.10E-02	6.64E-06	2.82E-06	3.33E-02	1.05E-05	4.46E-06
108	486783.18, 3855843.15	1.92E-02	6.05E-06	2.57E-06	2.07E-02	6.53E-06	2.77E-06	3.28E-02	1.04E-05	4.40E-06
109	486533.18, 3855893.15	2.17E-02	6.86E-06	2.91E-06	2.34E-02	7.40E-06	3.14E-06	3.72E-02	1.17E-05	4.98E-06
110	486583.18, 3855893.15	2.13E-02	6.73E-06	2.86E-06	2.30E-02	7.27E-06	3.08E-06	3.65E-02	1.15E-05	4.89E-06
111	486633.18, 3855893.15	2.09E-02	6.60E-06	2.80E-06	2.26E-02	7.13E-06	3.02E-06	3.58E-02	1.13E-05	4.80E-06
112	486683.18, 3855893.15	2.06E-02	6.51E-06	2.76E-06	2.22E-02	7.02E-06	2.98E-06	3.53E-02	1.11E-05	4.73E-06
113	486733.18, 3855893.15	2.03E-02	6.41E-06	2.72E-06	2.19E-02	6.92E-06	2.94E-06	3.48E-02	1.10E-05	4.66E-06
114	486783.18, 3855893.15	2.01E-02	6.34E-06	2.69E-06	2.17E-02	6.84E-06	2.90E-06	3.44E-02	1.09E-05	4.61E-06
115	486533.18, 3855943.15	2.26E-02	7.12E-06	3.02E-06	2.44E-02	7.69E-06	3.26E-06	3.87E-02	1.22E-05	5.18E-06
116	486583.18, 3855943.15	2.24E-02	7.06E-06	2.99E-06	2.41E-02	7.62E-06	3.23E-06	3.83E-02	1.21E-05	5.13E-06
117	486633.18, 3855943.15	2.19E-02	6.90E-06	2.93E-06	2.36E-02	7.45E-06	3.16E-06	3.75E-02	1.18E-05	5.02E-06
118	486683.18, 3855943.15	2.16E-02	6.81E-06	2.89E-06	2.33E-02	7.36E-06	3.12E-06	3.70E-02	1.17E-05	4.96E-06

119	486733.18, 3855943.15	2.12E-02	6.69E-06	2.84E-06	2.29E-02	7.22E-06	3.06E-06	3.63E-02	1.15E-05	4.86E-06
120	486783.18, 3855943.15	2.10E-02	6.62E-06	2.81E-06	2.26E-02	7.14E-06	3.03E-06	3.60E-02	1.13E-05	4.81E-06
121	486533.18, 3855993.15	2.36E-02	7.46E-06	3.17E-06	2.55E-02	8.06E-06	3.42E-06	4.06E-02	1.28E-05	5.43E-06
122	486583.18, 3855993.15	2.33E-02	7.34E-06	3.11E-06	2.51E-02	7.92E-06	3.36E-06	3.99E-02	1.26E-05	5.34E-06
123	486633.18, 3855993.15	2.28E-02	7.21E-06	3.06E-06	2.46E-02	7.78E-06	3.30E-06	3.92E-02	1.24E-05	5.24E-06
124	486683.18, 3855993.15	2.25E-02	7.11E-06	3.02E-06	2.43E-02	7.68E-06	3.26E-06	3.87E-02	1.22E-05	5.18E-06
125	486733.18, 3855993.15	2.21E-02	6.99E-06	2.96E-06	2.39E-02	7.54E-06	3.20E-06	3.80E-02	1.20E-05	5.09E-06
126	486783.18, 3855993.15	2.18E-02	6.89E-06	2.92E-06	2.36E-02	7.43E-06	3.15E-06	3.74E-02	1.18E-05	5.01E-06
127	486533.18, 3856043.15	2.47E-02	7.80E-06	3.31E-06	2.67E-02	8.42E-06	3.57E-06	4.24E-02	1.34E-05	5.68E-06
128	486583.18, 3856043.15	2.44E-02	7.69E-06	3.26E-06	2.63E-02	8.30E-06	3.52E-06	4.18E-02	1.32E-05	5.60E-06
129	486633.18, 3856043.15	2.38E-02	7.52E-06	3.19E-06	2.57E-02	8.12E-06	3.45E-06	4.09E-02	1.29E-05	5.48E-06
130	486683.18, 3856043.15	2.35E-02	7.43E-06	3.15E-06	2.54E-02	8.02E-06	3.40E-06	4.04E-02	1.28E-05	5.41E-06
131	486733.18, 3856043.15	2.31E-02	7.28E-06	3.09E-06	2.49E-02	7.86E-06	3.34E-06	3.96E-02	1.25E-05	5.31E-06
132	486783.18, 3856043.15	2.28E-02	7.21E-06	3.06E-06	2.47E-02	7.78E-06	3.30E-06	3.92E-02	1.24E-05	5.25E-06
133	486533.18, 3856093.15	2.59E-02	8.19E-06	3.47E-06	2.80E-02	8.84E-06	3.75E-06	4.46E-02	1.41E-05	5.97E-06
134	486583.18, 3856093.15	2.54E-02	8.03E-06	3.41E-06	2.75E-02	8.67E-06	3.68E-06	4.37E-02	1.38E-05	5.85E-06
135	486633.18, 3856093.15	2.49E-02	7.87E-06	3.34E-06	2.69E-02	8.50E-06	3.60E-06	4.28E-02	1.35E-05	5.74E-06
136	486683.18, 3856093.15	2.46E-02	7.75E-06	3.29E-06	2.65E-02	8.37E-06	3.55E-06	4.22E-02	1.33E-05	5.65E-06
137	486733.18, 3856093.15	2.41E-02	7.61E-06	3.23E-06	2.60E-02	8.22E-06	3.49E-06	4.14E-02	1.31E-05	5.55E-06
138	486783.18, 3856093.15	2.38E-02	7.51E-06	3.19E-06	2.57E-02	8.11E-06	3.44E-06	4.09E-02	1.29E-05	5.48E-06
139	486533.18, 3856143.15	2.71E-02	8.56E-06	3.63E-06	2.93E-02	9.24E-06	3.92E-06	4.66E-02	1.47E-05	6.25E-06
140	486583.18, 3856143.15	2.65E-02	8.36E-06	3.55E-06	2.86E-02	9.02E-06	3.83E-06	4.55E-02	1.44E-05	6.10E-06
141	486633.18, 3856143.15	2.60E-02	8.22E-06	3.49E-06	2.81E-02	8.88E-06	3.77E-06	4.48E-02	1.41E-05	6.00E-06
142	486683.18, 3856143.15	2.56E-02	8.08E-06	3.43E-06	2.76E-02	8.72E-06	3.70E-06	4.40E-02	1.39E-05	5.90E-06
143	486733.18, 3856143.15	2.52E-02	7.94E-06	3.37E-06	2.72E-02	8.57E-06	3.64E-06	4.33E-02	1.37E-05	5.80E-06
144	486783.18, 3856143.15	2.49E-02	7.86E-06	3.34E-06	2.69E-02	8.49E-06	3.60E-06	4.29E-02	1.35E-05	5.74E-06
145	486533.18, 3856193.15	2.85E-02	8.98E-06	3.81E-06	3.07E-02	9.70E-06	4.12E-06	4.90E-02	1.55E-05	6.56E-06
146	486583.18, 3856193.15	2.77E-02	8.73E-06	3.71E-06	2.99E-02	9.43E-06	4.00E-06	4.77E-02	1.50E-05	6.38E-06
147	486633.18, 3856193.15	2.72E-02	8.58E-06	3.64E-06	2.94E-02	9.27E-06	3.93E-06	4.68E-02	1.48E-05	6.27E-06
148	486683.18, 3856193.15	2.69E-02	8.48E-06	3.60E-06	2.90E-02	9.16E-06	3.88E-06	4.62E-02	1.46E-05	6.19E-06
149	486733.18, 3856193.15	2.63E-02	8.30E-06	3.52E-06	2.84E-02	8.97E-06	3.81E-06	4.53E-02	1.43E-05	6.07E-06
150	486783.18, 3856193.15	2.60E-02	8.22E-06	3.49E-06	2.81E-02	8.88E-06	3.77E-06	4.49E-02	1.42E-05	6.01E-06
151	486533.18, 3856243.15	2.98E-02	9.40E-06	3.99E-06	3.22E-02	1.02E-05	4.31E-06	5.13E-02	1.62E-05	6.87E-06
152	486583.18, 3856243.15	2.91E-02	9.18E-06	3.90E-06	3.14E-02	9.92E-06	4.21E-06	5.02E-02	1.58E-05	6.72E-06
153	486633.18, 3856243.15	2.85E-02	8.99E-06	3.82E-06	3.08E-02	9.71E-06	4.12E-06	4.91E-02	1.55E-05	6.58E-06
154	486683.18, 3856243.15	2.80E-02	8.84E-06	3.75E-06	3.03E-02	9.55E-06	4.05E-06	4.83E-02	1.52E-05	6.46E-06
155	486733.18, 3856243.15	2.76E-02	8.71E-06	3.70E-06	2.98E-02	9.41E-06	3.99E-06	4.76E-02	1.50E-05	6.37E-06
156	486783.18, 3856243.15	2.71E-02	8.56E-06	3.63E-06	2.93E-02	9.25E-06	3.93E-06	4.68E-02	1.48E-05	6.26E-06
157	486533.18, 3856293.15	3.13E-02	9.87E-06	4.19E-06	3.38E-02	1.07E-05	4.52E-06	5.39E-02	1.70E-05	7.22E-06
158	486583.18, 3856293.15	3.05E-02	9.63E-06	4.08E-06	3.29E-02	1.04E-05	4.41E-06	5.26E-02	1.66E-05	7.05E-06
159	486633.18, 3856293.15	2.99E-02	9.43E-06	4.00E-06	3.23E-02	1.02E-05	4.32E-06	5.15E-02	1.63E-05	6.90E-06
160	486683.18, 3856293.15	2.93E-02	9.25E-06	3.92E-06	3.17E-02	9.99E-06	4.24E-06	5.05E-02	1.60E-05	6.77E-06
161	486733.18, 3856293.15	2.89E-02	9.13E-06	3.87E-06	3.12E-02	9.86E-06	4.18E-06	4.99E-02	1.57E-05	6.68E-06
162	486783.18, 3856293.15	2.84E-02	8.96E-06	3.80E-06	3.07E-02	9.68E-06	4.11E-06	4.89E-02	1.54E-05	6.55E-06
163	486783.18, 3856343.15	2.98E-02	9.42E-06	4.00E-06	3.22E-02	1.02E-05	4.32E-06	5.15E-02	1.63E-05	6.90E-06
164	486833.18, 3856343.15	2.93E-02	9.26E-06	3.93E-06	3.17E-02	1.00E-05	4.25E-06	5.06E-02	1.60E-05	6.78E-06
165	486883.18, 3856343.15	2.89E-02	9.11E-06	3.87E-06	3.12E-02	9.84E-06	4.18E-06	4.98E-02	1.57E-05	6.67E-06
166	486783.18, 3856393.15	3.11E-02	9.83E-06	4.17E-06	3.37E-02	1.06E-05	4.51E-06	5.38E-02	1.70E-05	7.20E-06
167	486833.18, 3856393.15	3.06E-02	9.67E-06	4.10E-06	3.31E-02	1.04E-05	4.43E-06	5.29E-02	1.67E-05	7.08E-06
168	486883.18, 3856393.15	3.00E-02	9.47E-06	4.02E-06	3.24E-02	1.02E-05	4.34E-06	5.18E-02	1.63E-05	6.93E-06
169	487208.74, 3856886.11	4.04E-02	1.27E-05	5.41E-06	4.36E-02	1.38E-05	5.84E-06	6.99E-02	2.21E-05	9.36E-06
170	487258.74, 3856886.11	3.92E-02	1.24E-05	5.25E-06	4.24E-02	1.34E-05	5.68E-06	6.79E-02	2.14E-05	9.09E-06
171	487308.74, 3856886.11	3.81E-02	1.20E-05	5.11E-06	4.12E-02	1.30E-05	5.52E-06	6.60E-02	2.08E-05	8.84E-06
172	487358.74, 3856886.11	3.71E-02	1.17E-05	4.97E-06	4.01E-02	1.27E-05	5.37E-06	6.42E-02	2.03E-05	8.59E-06
173	487208.74, 3856936.11	4.23E-02	1.34E-05	5.67E-06	4.57E-02	1.44E-05	6.13E-06	7.33E-02	2.31E-05	9.82E-06
174	487258.74, 3856936.11	4.10E-02	1.30E-05	5.50E-06	4.44E-02	1.40E-05	5.94E-06	7.11E-02	2.24E-05	9.52E-06
175	487308.74, 3856936.11	3.99E-02	1.26E-05	5.34E-06	4.31E-02	1.36E-05	5.77E-06	6.91E-02	2.18E-05	9.25E-06
176	487358.74, 3856936.11	3.88E-02	1.22E-05	5.19E-06	4.19E-02	1.32E-05	5.61E-06	6.71E-02	2.12E-05	8.98E-06
177	487208.74, 3856986.11	4.44E-02	1.40E-05	5.95E-06	4.80E-02	1.52E-05	6.43E-06	7.70E-02	2.43E-05	1.03E-05
178	487258.74, 3856986.11	4.31E-02	1.36E-05	5.77E-06	4.66E-02	1.47E-05	6.24E-06	7.47E-02	2.36E-05	1.00E-05
179	487308.74, 3856986.11	4.17E-02	1.32E-05	5.59E-06	4.51E-02	1.42E-05	6.04E-06	7.23E-02	2.28E-05	9.68E-06

180	487358.74, 3856986.11	4.05E-02	1.28E-05	5.43E-06	4.38E-02	1.38E-05	5.87E-06	7.02E-02	2.22E-05	9.40E-06
181	487208.74, 3857036.11	4.67E-02	1.47E-05	6.26E-06	5.05E-02	1.59E-05	6.76E-06	8.10E-02	2.56E-05	1.08E-05
182	487258.74, 3857036.11	4.52E-02	1.43E-05	6.05E-06	4.88E-02	1.54E-05	6.54E-06	7.83E-02	2.47E-05	1.05E-05
183	487308.74, 3857036.11	4.38E-02	1.38E-05	5.86E-06	4.73E-02	1.49E-05	6.34E-06	7.59E-02	2.40E-05	1.02E-05
184	487358.74, 3857036.11	4.24E-02	1.34E-05	5.68E-06	4.59E-02	1.45E-05	6.14E-06	7.36E-02	2.32E-05	9.85E-06
185	487427.14, 3856878.23	3.56E-02	1.13E-05	4.77E-06	3.85E-02	1.22E-05	5.16E-06	6.17E-02	1.95E-05	8.26E-06
186	487477.14, 3856878.23	3.48E-02	1.10E-05	4.66E-06	3.76E-02	1.19E-05	5.03E-06	6.02E-02	1.90E-05	8.06E-06
187	487527.14, 3856878.23	3.39E-02	1.07E-05	4.55E-06	3.67E-02	1.16E-05	4.91E-06	5.87E-02	1.85E-05	7.86E-06
188	487427.14, 3856928.23	3.71E-02	1.17E-05	4.97E-06	4.01E-02	1.27E-05	5.38E-06	6.43E-02	2.03E-05	8.61E-06
189	487477.14, 3856928.23	3.61E-02	1.14E-05	4.84E-06	3.91E-02	1.23E-05	5.23E-06	6.25E-02	1.97E-05	8.38E-06
190	487527.14, 3856928.23	3.52E-02	1.11E-05	4.72E-06	3.81E-02	1.20E-05	5.10E-06	6.10E-02	1.93E-05	8.17E-06
191	487577.14, 3856928.23	3.44E-02	1.09E-05	4.61E-06	3.72E-02	1.17E-05	4.98E-06	5.95E-02	1.88E-05	7.97E-06
192	487627.14, 3856928.23	3.35E-02	1.06E-05	4.49E-06	3.62E-02	1.14E-05	4.85E-06	5.80E-02	1.83E-05	7.77E-06
193	487677.14, 3856928.23	3.28E-02	1.03E-05	4.39E-06	3.54E-02	1.12E-05	4.74E-06	5.67E-02	1.79E-05	7.59E-06
194	487727.14, 3856928.23	3.21E-02	1.01E-05	4.29E-06	3.46E-02	1.09E-05	4.64E-06	5.55E-02	1.75E-05	7.43E-06
195	487777.14, 3856928.23	3.13E-02	9.89E-06	4.20E-06	3.39E-02	1.07E-05	4.53E-06	5.42E-02	1.71E-05	7.26E-06
196	487427.14, 3856978.23	3.87E-02	1.22E-05	5.18E-06	4.18E-02	1.32E-05	5.60E-06	6.70E-02	2.11E-05	8.97E-06
197	487477.14, 3856978.23	3.76E-02	1.19E-05	5.04E-06	4.07E-02	1.28E-05	5.45E-06	6.52E-02	2.06E-05	8.73E-06
198	487527.14, 3856978.23	3.67E-02	1.16E-05	4.91E-06	3.96E-02	1.25E-05	5.31E-06	6.35E-02	2.00E-05	8.50E-06
199	487577.14, 3856978.23	3.57E-02	1.13E-05	4.78E-06	3.86E-02	1.22E-05	5.17E-06	6.18E-02	1.95E-05	8.28E-06
200	487627.14, 3856978.23	3.48E-02	1.10E-05	4.66E-06	3.76E-02	1.19E-05	5.03E-06	6.02E-02	1.90E-05	8.06E-06
201	487677.14, 3856978.23	3.39E-02	1.07E-05	4.55E-06	3.67E-02	1.16E-05	4.91E-06	5.88E-02	1.85E-05	7.87E-06
202	487727.14, 3856978.23	3.30E-02	1.04E-05	4.42E-06	3.57E-02	1.13E-05	4.78E-06	5.72E-02	1.80E-05	7.65E-06
203	487777.14, 3856978.23	3.24E-02	1.02E-05	4.34E-06	3.50E-02	1.11E-05	4.69E-06	5.61E-02	1.77E-05	7.51E-06
204	487427.14, 3857028.23	4.04E-02	1.28E-05	5.41E-06	4.37E-02	1.38E-05	5.85E-06	7.00E-02	2.21E-05	9.38E-06
205	487477.14, 3857028.23	3.93E-02	1.24E-05	5.26E-06	4.24E-02	1.34E-05	5.68E-06	6.80E-02	2.15E-05	9.11E-06
206	487527.14, 3857028.23	3.81E-02	1.20E-05	5.11E-06	4.12E-02	1.30E-05	5.52E-06	6.61E-02	2.09E-05	8.85E-06
207	487577.14, 3857028.23	3.71E-02	1.17E-05	4.97E-06	4.01E-02	1.27E-05	5.37E-06	6.43E-02	2.03E-05	8.61E-06
208	487627.14, 3857028.23	3.61E-02	1.14E-05	4.83E-06	3.90E-02	1.23E-05	5.22E-06	6.25E-02	1.97E-05	8.37E-06
209	487677.14, 3857028.23	3.52E-02	1.11E-05	4.71E-06	3.80E-02	1.20E-05	5.09E-06	6.09E-02	1.92E-05	8.15E-06
210	487727.14, 3857028.23	3.43E-02	1.08E-05	4.60E-06	3.71E-02	1.17E-05	4.97E-06	5.95E-02	1.88E-05	7.96E-06
211	487777.14, 3857028.23	3.35E-02	1.06E-05	4.49E-06	3.62E-02	1.14E-05	4.85E-06	5.80E-02	1.83E-05	7.77E-06
212	487427.14, 3857078.23	4.23E-02	1.33E-05	5.66E-06	4.57E-02	1.44E-05	6.12E-06	7.33E-02	2.31E-05	9.81E-06
213	487477.14, 3857078.23	4.09E-02	1.29E-05	5.48E-06	4.43E-02	1.40E-05	5.93E-06	7.10E-02	2.24E-05	9.51E-06
214	487527.14, 3857078.23	3.97E-02	1.25E-05	5.32E-06	4.30E-02	1.36E-05	5.75E-06	6.89E-02	2.17E-05	9.23E-06
215	487577.14, 3857078.23	3.86E-02	1.22E-05	5.17E-06	4.17E-02	1.32E-05	5.59E-06	6.69E-02	2.11E-05	8.96E-06
216	487627.14, 3857078.23	3.75E-02	1.18E-05	5.02E-06	4.05E-02	1.28E-05	5.43E-06	6.50E-02	2.05E-05	8.70E-06
217	487677.14, 3857078.23	3.65E-02	1.15E-05	4.89E-06	3.94E-02	1.24E-05	5.28E-06	6.32E-02	2.00E-05	8.47E-06
218	487727.14, 3857078.23	3.55E-02	1.12E-05	4.76E-06	3.84E-02	1.21E-05	5.14E-06	6.16E-02	1.94E-05	8.25E-06
219	487777.14, 3857078.23	3.46E-02	1.09E-05	4.63E-06	3.74E-02	1.18E-05	5.01E-06	6.00E-02	1.89E-05	8.03E-06
220	487427.14, 3857128.23	4.42E-02	1.40E-05	5.93E-06	4.78E-02	1.51E-05	6.41E-06	7.68E-02	2.42E-05	1.03E-05
221	487477.14, 3857128.23	4.28E-02	1.35E-05	5.73E-06	4.62E-02	1.46E-05	6.19E-06	7.42E-02	2.34E-05	9.94E-06
222	487527.14, 3857128.23	4.14E-02	1.31E-05	5.54E-06	4.48E-02	1.41E-05	5.99E-06	7.18E-02	2.27E-05	9.61E-06
223	487577.14, 3857128.23	4.02E-02	1.27E-05	5.38E-06	4.34E-02	1.37E-05	5.81E-06	6.96E-02	2.20E-05	9.32E-06
224	487627.14, 3857128.23	3.90E-02	1.23E-05	5.22E-06	4.21E-02	1.33E-05	5.64E-06	6.76E-02	2.13E-05	9.05E-06
225	487677.14, 3857128.23	3.78E-02	1.19E-05	5.07E-06	4.09E-02	1.29E-05	5.48E-06	6.56E-02	2.07E-05	8.79E-06
226	487727.14, 3857128.23	3.68E-02	1.16E-05	4.93E-06	3.98E-02	1.26E-05	5.33E-06	6.39E-02	2.02E-05	8.55E-06
227	487777.14, 3857128.23	3.58E-02	1.13E-05	4.80E-06	3.87E-02	1.22E-05	5.19E-06	6.21E-02	1.96E-05	8.32E-06
228	488049.44, 3856539.39	2.26E-02	7.12E-06	3.02E-06	2.44E-02	7.69E-06	3.26E-06	3.89E-02	1.23E-05	5.21E-06
229	488099.44, 3856539.39	2.22E-02	6.99E-06	2.97E-06	2.39E-02	7.56E-06	3.21E-06	3.82E-02	1.21E-05	5.12E-06
230	488149.44, 3856539.39	2.18E-02	6.89E-06	2.92E-06	2.36E-02	7.44E-06	3.16E-06	3.76E-02	1.19E-05	5.04E-06
231	488049.44, 3856589.39	2.32E-02	7.32E-06	3.11E-06	2.51E-02	7.91E-06	3.36E-06	4.00E-02	1.26E-05	5.36E-06
232	488099.44, 3856589.39	2.28E-02	7.19E-06	3.05E-06	2.46E-02	7.77E-06	3.30E-06	3.93E-02	1.24E-05	5.27E-06
233	488149.44, 3856589.39	2.24E-02	7.07E-06	3.00E-06	2.42E-02	7.64E-06	3.24E-06	3.87E-02	1.22E-05	5.18E-06
234	488199.44, 3856589.39	2.20E-02	6.95E-06	2.95E-06	2.38E-02	7.51E-06	3.19E-06	3.80E-02	1.20E-05	5.09E-06
235	488249.44, 3856589.39	2.17E-02	6.86E-06	2.91E-06	2.35E-02	7.41E-06	3.14E-06	3.75E-02	1.18E-05	5.02E-06
236	488049.44, 3856639.39	2.38E-02	7.53E-06	3.19E-06	2.58E-02	8.13E-06	3.45E-06	4.12E-02	1.30E-05	5.51E-06
237	488099.44, 3856639.39	2.34E-02	7.39E-06	3.14E-06	2.53E-02	7.98E-06	3.39E-06	4.04E-02	1.28E-05	5.41E-06
238	488149.44, 3856639.39	2.30E-02	7.26E-06	3.08E-06	2.49E-02	7.85E-06	3.33E-06	3.97E-02	1.25E-05	5.32E-06
239	488199.44, 3856639.39	2.26E-02	7.15E-06	3.03E-06	2.45E-02	7.72E-06	3.28E-06	3.91E-02	1.23E-05	5.23E-06
240	488249.44, 3856639.39	2.23E-02	7.03E-06	2.98E-06	2.41E-02	7.60E-06	3.22E-06	3.85E-02	1.21E-05	5.15E-06

241	488299.44, 3856639.39	2.19E-02	6.92E-06	2.94E-06	2.37E-02	7.48E-06	3.17E-06	3.78E-02	1.19E-05	5.07E-06
242	488349.44, 3856639.39	2.16E-02	6.81E-06	2.89E-06	2.33E-02	7.35E-06	3.12E-06	3.72E-02	1.17E-05	4.98E-06
243	488399.44, 3856639.39	2.13E-02	6.71E-06	2.85E-06	2.30E-02	7.25E-06	3.08E-06	3.67E-02	1.16E-05	4.91E-06
244	488099.44, 3856689.39	2.41E-02	7.60E-06	3.22E-06	2.60E-02	8.21E-06	3.48E-06	4.16E-02	1.31E-05	5.57E-06
245	488149.44, 3856689.39	2.36E-02	7.46E-06	3.17E-06	2.55E-02	8.06E-06	3.42E-06	4.08E-02	1.29E-05	5.46E-06
246	488199.44, 3856689.39	2.32E-02	7.34E-06	3.11E-06	2.51E-02	7.93E-06	3.36E-06	4.01E-02	1.27E-05	5.37E-06
247	488249.44, 3856689.39	2.28E-02	7.21E-06	3.06E-06	2.47E-02	7.79E-06	3.30E-06	3.94E-02	1.24E-05	5.28E-06
248	488299.44, 3856689.39	2.25E-02	7.10E-06	3.01E-06	2.43E-02	7.67E-06	3.25E-06	3.88E-02	1.23E-05	5.20E-06
249	488349.44, 3856689.39	2.21E-02	6.98E-06	2.96E-06	2.39E-02	7.54E-06	3.20E-06	3.82E-02	1.20E-05	5.11E-06
250	488399.44, 3856689.39	2.17E-02	6.85E-06	2.91E-06	2.34E-02	7.40E-06	3.14E-06	3.75E-02	1.18E-05	5.02E-06
251	488099.44, 3856739.39	2.48E-02	7.81E-06	3.31E-06	2.67E-02	8.44E-06	3.58E-06	4.28E-02	1.35E-05	5.72E-06
252	488149.44, 3856739.39	2.43E-02	7.66E-06	3.25E-06	2.62E-02	8.28E-06	3.51E-06	4.19E-02	1.32E-05	5.61E-06
253	488199.44, 3856739.39	2.39E-02	7.54E-06	3.20E-06	2.58E-02	8.14E-06	3.45E-06	4.12E-02	1.30E-05	5.52E-06
254	488249.44, 3856739.39	2.34E-02	7.40E-06	3.14E-06	2.53E-02	7.99E-06	3.39E-06	4.05E-02	1.28E-05	5.42E-06
255	488299.44, 3856739.39	2.30E-02	7.25E-06	3.08E-06	2.48E-02	7.84E-06	3.33E-06	3.97E-02	1.25E-05	5.32E-06
256	488349.44, 3856739.39	2.27E-02	7.15E-06	3.03E-06	2.45E-02	7.72E-06	3.28E-06	3.91E-02	1.23E-05	5.24E-06
257	488399.44, 3856739.39	2.23E-02	7.04E-06	2.99E-06	2.41E-02	7.61E-06	3.23E-06	3.85E-02	1.22E-05	5.16E-06
258	487999.44, 3856789.39	2.63E-02	8.31E-06	3.53E-06	2.85E-02	8.98E-06	3.81E-06	4.55E-02	1.44E-05	6.09E-06
259	488049.44, 3856789.39	2.59E-02	8.16E-06	3.46E-06	2.79E-02	8.82E-06	3.74E-06	4.47E-02	1.41E-05	5.98E-06
260	488099.44, 3856789.39	2.54E-02	8.02E-06	3.40E-06	2.75E-02	8.67E-06	3.68E-06	4.39E-02	1.39E-05	5.88E-06
261	488149.44, 3856789.39	2.49E-02	7.87E-06	3.34E-06	2.69E-02	8.50E-06	3.61E-06	4.31E-02	1.36E-05	5.77E-06
262	488199.44, 3856789.39	2.45E-02	7.73E-06	3.28E-06	2.65E-02	8.35E-06	3.54E-06	4.23E-02	1.33E-05	5.66E-06
263	488249.44, 3856789.39	2.40E-02	7.59E-06	3.22E-06	2.60E-02	8.20E-06	3.48E-06	4.15E-02	1.31E-05	5.56E-06
264	488299.44, 3856789.39	2.36E-02	7.44E-06	3.16E-06	2.55E-02	8.04E-06	3.41E-06	4.07E-02	1.29E-05	5.45E-06
265	488349.44, 3856789.39	2.32E-02	7.33E-06	3.11E-06	2.51E-02	7.92E-06	3.36E-06	4.01E-02	1.27E-05	5.37E-06
266	488399.44, 3856789.39	2.28E-02	7.21E-06	3.06E-06	2.47E-02	7.79E-06	3.30E-06	3.95E-02	1.25E-05	5.28E-06
267	487949.44, 3856839.39	2.76E-02	8.72E-06	3.70E-06	2.98E-02	9.42E-06	4.00E-06	4.77E-02	1.51E-05	6.39E-06
268	487999.44, 3856839.39	2.71E-02	8.55E-06	3.63E-06	2.93E-02	9.24E-06	3.92E-06	4.68E-02	1.48E-05	6.27E-06
269	488049.44, 3856839.39	2.66E-02	8.38E-06	3.56E-06	2.87E-02	9.06E-06	3.84E-06	4.59E-02	1.45E-05	6.15E-06
270	488099.44, 3856839.39	2.61E-02	8.23E-06	3.49E-06	2.82E-02	8.89E-06	3.77E-06	4.51E-02	1.42E-05	6.03E-06
271	488149.44, 3856839.39	2.56E-02	8.08E-06	3.43E-06	2.77E-02	8.73E-06	3.70E-06	4.42E-02	1.40E-05	5.92E-06
272	488199.44, 3856839.39	2.51E-02	7.93E-06	3.36E-06	2.71E-02	8.57E-06	3.64E-06	4.34E-02	1.37E-05	5.81E-06
273	487949.44, 3856889.39	2.84E-02	8.96E-06	3.80E-06	3.07E-02	9.69E-06	4.11E-06	4.91E-02	1.55E-05	6.58E-06
274	487999.44, 3856889.39	2.79E-02	8.80E-06	3.73E-06	3.01E-02	9.51E-06	4.03E-06	4.82E-02	1.52E-05	6.45E-06
275	488049.44, 3856889.39	2.73E-02	8.61E-06	3.65E-06	2.95E-02	9.30E-06	3.95E-06	4.72E-02	1.49E-05	6.32E-06
276	488099.44, 3856889.39	2.68E-02	8.45E-06	3.59E-06	2.89E-02	9.13E-06	3.87E-06	4.63E-02	1.46E-05	6.20E-06
277	488635.86, 3857895.05	3.02E-02	9.54E-06	4.05E-06	3.27E-02	1.03E-05	4.38E-06	5.27E-02	1.66E-05	7.05E-06
278	489137.64, 3857804.15	2.27E-02	7.17E-06	3.04E-06	2.46E-02	7.75E-06	3.29E-06	3.95E-02	1.25E-05	5.29E-06
279	488617.32, 3857859.41	3.04E-02	9.59E-06	4.07E-06	3.29E-02	1.04E-05	4.40E-06	5.29E-02	1.67E-05	7.09E-06
280	488667.32, 3857859.41	2.95E-02	9.31E-06	3.95E-06	3.19E-02	1.01E-05	4.27E-06	5.14E-02	1.62E-05	6.88E-06
281	488717.32, 3857859.41	2.86E-02	9.03E-06	3.83E-06	3.10E-02	9.77E-06	4.14E-06	4.98E-02	1.57E-05	6.67E-06
282	488767.32, 3857859.41	2.78E-02	8.76E-06	3.72E-06	3.00E-02	9.47E-06	4.02E-06	4.83E-02	1.53E-05	6.47E-06
283	488617.32, 3857909.41	3.07E-02	9.68E-06	4.11E-06	3.32E-02	1.05E-05	4.44E-06	5.35E-02	1.69E-05	7.16E-06
284	488667.32, 3857909.41	2.97E-02	9.36E-06	3.97E-06	3.21E-02	1.01E-05	4.30E-06	5.16E-02	1.63E-05	6.91E-06
285	488717.32, 3857909.41	2.88E-02	9.09E-06	3.86E-06	3.12E-02	9.83E-06	4.17E-06	5.02E-02	1.58E-05	6.72E-06
286	488767.32, 3857909.41	2.79E-02	8.81E-06	3.74E-06	3.02E-02	9.53E-06	4.04E-06	4.86E-02	1.53E-05	6.51E-06
287	488417.32, 3857959.41	3.58E-02	1.13E-05	4.79E-06	3.87E-02	1.22E-05	5.19E-06	6.25E-02	1.97E-05	8.37E-06
288	488467.32, 3857959.41	3.44E-02	1.09E-05	4.61E-06	3.73E-02	1.18E-05	4.99E-06	6.01E-02	1.90E-05	8.05E-06
289	488517.32, 3857959.41	3.32E-02	1.05E-05	4.44E-06	3.59E-02	1.13E-05	4.81E-06	5.79E-02	1.83E-05	7.75E-06
290	488567.32, 3857959.41	3.20E-02	1.01E-05	4.28E-06	3.46E-02	1.09E-05	4.63E-06	5.57E-02	1.76E-05	7.47E-06
291	488617.32, 3857959.41	3.09E-02	9.76E-06	4.14E-06	3.34E-02	1.06E-05	4.48E-06	5.38E-02	1.70E-05	7.21E-06
292	488667.32, 3857959.41	2.99E-02	9.44E-06	4.00E-06	3.23E-02	1.02E-05	4.33E-06	5.21E-02	1.64E-05	6.97E-06
293	488717.32, 3857959.41	2.89E-02	9.13E-06	3.87E-06	3.13E-02	9.87E-06	4.19E-06	5.04E-02	1.59E-05	6.74E-06
294	488767.32, 3857959.41	2.80E-02	8.85E-06	3.75E-06	3.03E-02	9.57E-06	4.06E-06	4.88E-02	1.54E-05	6.53E-06
295	488417.32, 3858009.41	3.63E-02	1.15E-05	4.87E-06	3.93E-02	1.24E-05	5.27E-06	6.35E-02	2.00E-05	8.50E-06
296	488467.32, 3858009.41	3.49E-02	1.10E-05	4.67E-06	3.77E-02	1.19E-05	5.05E-06	6.09E-02	1.92E-05	8.15E-06
297	488517.32, 3858009.41	3.35E-02	1.06E-05	4.49E-06	3.63E-02	1.14E-05	4.86E-06	5.84E-02	1.84E-05	7.83E-06
298	488567.32, 3858009.41	3.23E-02	1.02E-05	4.32E-06	3.49E-02	1.10E-05	4.67E-06	5.62E-02	1.77E-05	7.52E-06
299	488617.32, 3858009.41	3.11E-02	9.83E-06	4.17E-06	3.37E-02	1.06E-05	4.51E-06	5.42E-02	1.71E-05	7.26E-06
300	488667.32, 3858009.41	3.01E-02	9.49E-06	4.03E-06	3.25E-02	1.03E-05	4.36E-06	5.24E-02	1.65E-05	7.01E-06
301	488717.32, 3858009.41	2.91E-02	9.17E-06	3.89E-06	3.14E-02	9.92E-06	4.21E-06	5.06E-02	1.60E-05	6.77E-06

302	488767.32, 3858009.41	2.81E-02	8.87E-06	3.76E-06	3.04E-02	9.59E-06	4.07E-06	4.89E-02	1.54E-05	6.55E-06
303	488417.32, 3858059.41	3.69E-02	1.16E-05	4.94E-06	3.99E-02	1.26E-05	5.34E-06	6.44E-02	2.03E-05	8.62E-06
304	488467.32, 3858059.41	3.53E-02	1.11E-05	4.73E-06	3.82E-02	1.20E-05	5.11E-06	6.15E-02	1.94E-05	8.24E-06
305	488517.32, 3858059.41	3.38E-02	1.07E-05	4.53E-06	3.66E-02	1.16E-05	4.90E-06	5.90E-02	1.86E-05	7.90E-06
306	488567.32, 3858059.41	3.25E-02	1.03E-05	4.35E-06	3.52E-02	1.11E-05	4.71E-06	5.66E-02	1.79E-05	7.58E-06
307	488617.32, 3858059.41	3.13E-02	9.87E-06	4.19E-06	3.38E-02	1.07E-05	4.53E-06	5.44E-02	1.72E-05	7.29E-06
308	488667.32, 3858059.41	3.01E-02	9.51E-06	4.04E-06	3.26E-02	1.03E-05	4.37E-06	5.25E-02	1.66E-05	7.03E-06
309	488417.32, 3858109.41	3.75E-02	1.18E-05	5.02E-06	4.06E-02	1.28E-05	5.43E-06	6.55E-02	2.07E-05	8.78E-06
310	488467.32, 3858109.41	3.57E-02	1.13E-05	4.79E-06	3.87E-02	1.22E-05	5.18E-06	6.24E-02	1.97E-05	8.35E-06
311	488517.32, 3858109.41	3.41E-02	1.08E-05	4.57E-06	3.69E-02	1.17E-05	4.94E-06	5.95E-02	1.88E-05	7.96E-06
312	488567.32, 3858109.41	3.27E-02	1.03E-05	4.38E-06	3.54E-02	1.12E-05	4.74E-06	5.69E-02	1.80E-05	7.62E-06
313	488617.32, 3858109.41	3.13E-02	9.89E-06	4.20E-06	3.39E-02	1.07E-05	4.54E-06	5.45E-02	1.72E-05	7.30E-06
314	488667.32, 3858109.41	3.02E-02	9.52E-06	4.04E-06	3.26E-02	1.03E-05	4.37E-06	5.25E-02	1.66E-05	7.03E-06
315	488769.93, 3858449.27	2.28E-02	7.18E-06	3.05E-06	2.45E-02	7.74E-06	3.28E-06	3.83E-02	1.21E-05	5.13E-06
316	488819.93, 3858449.27	2.19E-02	6.93E-06	2.94E-06	2.36E-02	7.46E-06	3.17E-06	3.70E-02	1.17E-05	4.95E-06
317	488819.93, 3858499.27	2.08E-02	6.56E-06	2.79E-06	2.24E-02	7.06E-06	3.00E-06	3.46E-02	1.09E-05	4.63E-06
318	488869.93, 3858499.27	2.01E-02	6.36E-06	2.70E-06	2.17E-02	6.84E-06	2.90E-06	3.35E-02	1.06E-05	4.49E-06
319	488869.93, 3858549.27	1.92E-02	6.05E-06	2.57E-06	2.06E-02	6.49E-06	2.76E-06	3.14E-02	9.90E-06	4.20E-06
320	489438.17, 3859571.48	4.45E-03	1.41E-06	5.96E-07	4.80E-03	1.51E-06	6.43E-07	7.52E-03	2.37E-06	1.01E-06
321	489488.17, 3859571.48	4.43E-03	1.40E-06	5.93E-07	4.77E-03	1.51E-06	6.39E-07	7.48E-03	2.36E-06	1.00E-06
322	489538.17, 3859571.48	4.41E-03	1.39E-06	5.90E-07	4.75E-03	1.50E-06	6.36E-07	7.45E-03	2.35E-06	9.97E-07
323	489588.17, 3859571.48	4.39E-03	1.39E-06	5.88E-07	4.73E-03	1.49E-06	6.33E-07	7.41E-03	2.34E-06	9.93E-07
324	489438.17, 3859621.48	4.30E-03	1.36E-06	5.76E-07	4.63E-03	1.46E-06	6.20E-07	7.26E-03	2.29E-06	9.73E-07
325	489488.17, 3859621.48	4.27E-03	1.35E-06	5.72E-07	4.61E-03	1.45E-06	6.17E-07	7.22E-03	2.28E-06	9.67E-07
326	489538.17, 3859621.48	4.25E-03	1.34E-06	5.69E-07	4.58E-03	1.45E-06	6.13E-07	7.18E-03	2.27E-06	9.62E-07
327	489588.17, 3859621.48	4.23E-03	1.34E-06	5.67E-07	4.56E-03	1.44E-06	6.11E-07	7.16E-03	2.26E-06	9.58E-07
328	489238.17, 3859671.48	4.23E-03	1.34E-06	5.67E-07	4.56E-03	1.44E-06	6.11E-07	7.16E-03	2.26E-06	9.58E-07
329	489288.17, 3859671.48	4.22E-03	1.33E-06	5.65E-07	4.55E-03	1.43E-06	6.09E-07	7.13E-03	2.25E-06	9.55E-07
330	489338.17, 3859671.48	4.20E-03	1.33E-06	5.63E-07	4.53E-03	1.43E-06	6.06E-07	7.10E-03	2.24E-06	9.51E-07
331	489388.17, 3859671.48	4.19E-03	1.32E-06	5.60E-07	4.51E-03	1.42E-06	6.04E-07	7.08E-03	2.23E-06	9.48E-07
332	489438.17, 3859671.48	4.16E-03	1.31E-06	5.57E-07	4.48E-03	1.41E-06	6.00E-07	7.03E-03	2.22E-06	9.42E-07
333	489488.17, 3859671.48	4.14E-03	1.31E-06	5.54E-07	4.46E-03	1.41E-06	5.97E-07	7.00E-03	2.21E-06	9.38E-07
334	489538.17, 3859671.48	4.12E-03	1.30E-06	5.51E-07	4.44E-03	1.40E-06	5.94E-07	6.97E-03	2.20E-06	9.33E-07
335	489588.17, 3859671.48	4.10E-03	1.29E-06	5.49E-07	4.42E-03	1.39E-06	5.91E-07	6.93E-03	2.19E-06	9.28E-07
336	489238.17, 3859721.48	4.09E-03	1.29E-06	5.48E-07	4.41E-03	1.39E-06	5.91E-07	6.92E-03	2.18E-06	9.27E-07
337	489288.17, 3859721.48	4.09E-03	1.29E-06	5.47E-07	4.40E-03	1.39E-06	5.90E-07	6.91E-03	2.18E-06	9.26E-07
338	489338.17, 3859721.48	4.07E-03	1.29E-06	5.45E-07	4.39E-03	1.39E-06	5.88E-07	6.89E-03	2.17E-06	9.23E-07
339	489388.17, 3859721.48	4.05E-03	1.28E-06	5.43E-07	4.37E-03	1.38E-06	5.85E-07	6.86E-03	2.17E-06	9.19E-07
340	489438.17, 3859721.48	4.03E-03	1.27E-06	5.40E-07	4.35E-03	1.37E-06	5.82E-07	6.82E-03	2.15E-06	9.14E-07
341	489488.17, 3859721.48	4.02E-03	1.27E-06	5.38E-07	4.33E-03	1.37E-06	5.80E-07	6.80E-03	2.15E-06	9.10E-07
342	489538.17, 3859721.48	3.99E-03	1.26E-06	5.35E-07	4.31E-03	1.36E-06	5.77E-07	6.76E-03	2.13E-06	9.06E-07
343	489588.17, 3859721.48	3.97E-03	1.25E-06	5.32E-07	4.28E-03	1.35E-06	5.74E-07	6.73E-03	2.12E-06	9.01E-07
344	489238.17, 3859771.48	3.96E-03	1.25E-06	5.30E-07	4.27E-03	1.35E-06	5.71E-07	6.70E-03	2.11E-06	8.97E-07
345	489288.17, 3859771.48	3.96E-03	1.25E-06	5.30E-07	4.26E-03	1.35E-06	5.71E-07	6.70E-03	2.11E-06	8.97E-07
346	489338.17, 3859771.48	3.94E-03	1.24E-06	5.28E-07	4.25E-03	1.34E-06	5.69E-07	6.67E-03	2.11E-06	8.94E-07
347	489388.17, 3859771.48	3.93E-03	1.24E-06	5.26E-07	4.24E-03	1.34E-06	5.67E-07	6.65E-03	2.10E-06	8.91E-07
348	489438.17, 3859771.48	3.91E-03	1.23E-06	5.24E-07	4.21E-03	1.33E-06	5.64E-07	6.62E-03	2.09E-06	8.87E-07
349	489488.17, 3859771.48	3.90E-03	1.23E-06	5.22E-07	4.20E-03	1.33E-06	5.63E-07	6.61E-03	2.08E-06	8.85E-07
350	489538.17, 3859771.48	3.88E-03	1.23E-06	5.20E-07	4.19E-03	1.32E-06	5.60E-07	6.58E-03	2.08E-06	8.81E-07
351	489588.17, 3859771.48	3.86E-03	1.22E-06	5.17E-07	4.16E-03	1.31E-06	5.57E-07	6.54E-03	2.06E-06	8.76E-07
352	489238.17, 3859821.48	3.83E-03	1.21E-06	5.13E-07	4.13E-03	1.30E-06	5.53E-07	6.48E-03	2.05E-06	8.68E-07
353	489288.17, 3859821.48	3.83E-03	1.21E-06	5.13E-07	4.13E-03	1.30E-06	5.53E-07	6.49E-03	2.05E-06	8.69E-07
354	489338.17, 3859821.48	3.82E-03	1.21E-06	5.12E-07	4.12E-03	1.30E-06	5.52E-07	6.47E-03	2.04E-06	8.67E-07
355	489388.17, 3859821.48	3.81E-03	1.20E-06	5.10E-07	4.11E-03	1.30E-06	5.50E-07	6.46E-03	2.04E-06	8.65E-07
356	489438.17, 3859821.48	3.80E-03	1.20E-06	5.09E-07	4.10E-03	1.29E-06	5.49E-07	6.45E-03	2.03E-06	8.63E-07
357	489488.17, 3859821.48	3.79E-03	1.20E-06	5.08E-07	4.09E-03	1.29E-06	5.47E-07	6.43E-03	2.03E-06	8.61E-07
358	489538.17, 3859821.48	3.78E-03	1.19E-06	5.06E-07	4.07E-03	1.29E-06	5.45E-07	6.40E-03	2.02E-06	8.58E-07
359	489588.17, 3859821.48	3.76E-03	1.19E-06	5.03E-07	4.05E-03	1.28E-06	5.42E-07	6.37E-03	2.01E-06	8.53E-07
360	489238.17, 3859871.48	3.71E-03	1.17E-06	4.97E-07	4.00E-03	1.26E-06	5.35E-07	6.28E-03	1.98E-06	8.41E-07
361	489288.17, 3859871.48	3.71E-03	1.17E-06	4.96E-07	4.00E-03	1.26E-06	5.35E-07	6.28E-03	1.98E-06	8.41E-07
362	489338.17, 3859871.48	3.70E-03	1.17E-06	4.96E-07	3.99E-03	1.26E-06	5.35E-07	6.28E-03	1.98E-06	8.41E-07

363	489388.17, 3859871.48	3.70E-03	1.17E-06	4.96E-07	3.99E-03	1.26E-06	5.34E-07	6.28E-03	1.98E-06	8.40E-07
364	489438.17, 3859871.48	3.70E-03	1.17E-06	4.96E-07	3.99E-03	1.26E-06	5.34E-07	6.28E-03	1.98E-06	8.40E-07
365	489488.17, 3859871.48	3.70E-03	1.17E-06	4.95E-07	3.99E-03	1.26E-06	5.34E-07	6.27E-03	1.98E-06	8.40E-07
366	489538.17, 3859871.48	3.68E-03	1.16E-06	4.93E-07	3.97E-03	1.25E-06	5.31E-07	6.24E-03	1.97E-06	8.36E-07
367	489588.17, 3859871.48	3.66E-03	1.16E-06	4.90E-07	3.95E-03	1.25E-06	5.29E-07	6.21E-03	1.96E-06	8.32E-07
368	489238.17, 3859921.48	3.59E-03	1.13E-06	4.81E-07	3.87E-03	1.22E-06	5.19E-07	6.09E-03	1.92E-06	8.16E-07
369	489288.17, 3859921.48	3.60E-03	1.14E-06	4.82E-07	3.88E-03	1.22E-06	5.20E-07	6.10E-03	1.93E-06	8.17E-07
370	489338.17, 3859921.48	3.60E-03	1.14E-06	4.82E-07	3.88E-03	1.22E-06	5.20E-07	6.10E-03	1.93E-06	8.18E-07
371	489388.17, 3859921.48	3.60E-03	1.14E-06	4.82E-07	3.88E-03	1.23E-06	5.20E-07	6.11E-03	1.93E-06	8.18E-07
372	489438.17, 3859921.48	3.61E-03	1.14E-06	4.83E-07	3.89E-03	1.23E-06	5.21E-07	6.12E-03	1.93E-06	8.20E-07
373	489488.17, 3859921.48	3.60E-03	1.14E-06	4.82E-07	3.88E-03	1.22E-06	5.20E-07	6.11E-03	1.93E-06	8.18E-07
374	489538.17, 3859921.48	3.59E-03	1.13E-06	4.80E-07	3.87E-03	1.22E-06	5.18E-07	6.09E-03	1.92E-06	8.15E-07
375	489588.17, 3859921.48	3.57E-03	1.13E-06	4.79E-07	3.85E-03	1.22E-06	5.16E-07	6.07E-03	1.92E-06	8.13E-07
376	489238.17, 3859971.48	3.49E-03	1.10E-06	4.67E-07	3.76E-03	1.19E-06	5.03E-07	5.91E-03	1.87E-06	7.92E-07
377	489288.17, 3859971.48	3.49E-03	1.10E-06	4.68E-07	3.76E-03	1.19E-06	5.04E-07	5.92E-03	1.87E-06	7.93E-07
378	489338.17, 3859971.48	3.50E-03	1.10E-06	4.68E-07	3.77E-03	1.19E-06	5.05E-07	5.93E-03	1.87E-06	7.95E-07
379	489388.17, 3859971.48	3.50E-03	1.11E-06	4.69E-07	3.78E-03	1.19E-06	5.06E-07	5.95E-03	1.88E-06	7.97E-07
380	489438.17, 3859971.48	3.51E-03	1.11E-06	4.70E-07	3.79E-03	1.20E-06	5.07E-07	5.97E-03	1.88E-06	7.99E-07
381	489488.17, 3859971.48	3.51E-03	1.11E-06	4.71E-07	3.79E-03	1.20E-06	5.07E-07	5.98E-03	1.89E-06	8.00E-07
382	489538.17, 3859971.48	3.51E-03	1.11E-06	4.70E-07	3.78E-03	1.19E-06	5.06E-07	5.97E-03	1.88E-06	7.99E-07
383	489588.17, 3859971.48	3.49E-03	1.10E-06	4.68E-07	3.77E-03	1.19E-06	5.05E-07	5.95E-03	1.88E-06	7.96E-07
384	483577.7, 3854071	1.45E-02	4.58E-06	1.94E-06	1.58E-02	4.98E-06	2.11E-06	2.64E-02	8.32E-06	3.53E-06
385	483627.7, 3854071	1.38E-02	4.35E-06	1.85E-06	1.50E-02	4.73E-06	2.01E-06	2.50E-02	7.90E-06	3.35E-06
386	483677.7, 3854071	1.31E-02	4.12E-06	1.75E-06	1.42E-02	4.48E-06	1.90E-06	2.37E-02	7.47E-06	3.17E-06
387	483727.7, 3854071	1.24E-02	3.91E-06	1.66E-06	1.35E-02	4.25E-06	1.80E-06	2.24E-02	7.07E-06	3.00E-06
388	483777.7, 3854071	1.16E-02	3.66E-06	1.55E-06	1.26E-02	3.97E-06	1.69E-06	2.09E-02	6.59E-06	2.80E-06
389	483577.7, 3854121	1.60E-02	5.06E-06	2.15E-06	1.75E-02	5.51E-06	2.34E-06	2.94E-02	9.26E-06	3.93E-06
390	483627.7, 3854121	1.50E-02	4.75E-06	2.02E-06	1.64E-02	5.17E-06	2.19E-06	2.75E-02	8.67E-06	3.68E-06
391	483677.7, 3854121	1.40E-02	4.42E-06	1.88E-06	1.52E-02	4.81E-06	2.04E-06	2.55E-02	8.04E-06	3.41E-06
392	483727.7, 3854121	1.30E-02	4.10E-06	1.74E-06	1.41E-02	4.46E-06	1.89E-06	2.36E-02	7.44E-06	3.16E-06
393	483777.7, 3854121	1.23E-02	3.88E-06	1.64E-06	1.33E-02	4.21E-06	1.79E-06	2.22E-02	7.01E-06	2.98E-06
394	483577.7, 3854171	1.72E-02	5.44E-06	2.31E-06	1.88E-02	5.93E-06	2.51E-06	3.17E-02	9.99E-06	4.24E-06
395	483627.7, 3854171	1.59E-02	5.00E-06	2.12E-06	1.73E-02	5.45E-06	2.31E-06	2.90E-02	9.15E-06	3.88E-06
396	483677.7, 3854171	1.48E-02	4.66E-06	1.98E-06	1.61E-02	5.07E-06	2.15E-06	2.69E-02	8.50E-06	3.61E-06
397	483727.7, 3854171	1.39E-02	4.38E-06	1.86E-06	1.51E-02	4.77E-06	2.02E-06	2.53E-02	7.97E-06	3.38E-06
398	483777.7, 3854171	1.30E-02	4.11E-06	1.74E-06	1.41E-02	4.46E-06	1.89E-06	2.36E-02	7.45E-06	3.16E-06
399	483827.7, 3854171	1.20E-02	3.78E-06	1.60E-06	1.30E-02	4.10E-06	1.74E-06	2.16E-02	6.83E-06	2.90E-06
400	483877.7, 3854171	1.13E-02	3.58E-06	1.52E-06	1.23E-02	3.89E-06	1.65E-06	2.05E-02	6.46E-06	2.74E-06
401	483727.7, 3854221	1.49E-02	4.71E-06	2.00E-06	1.62E-02	5.12E-06	2.17E-06	2.71E-02	8.57E-06	3.63E-06
402	483777.7, 3854221	1.39E-02	4.38E-06	1.86E-06	1.51E-02	4.77E-06	2.02E-06	2.52E-02	7.96E-06	3.38E-06
403	483827.7, 3854221	1.34E-02	4.21E-06	1.79E-06	1.45E-02	4.58E-06	1.94E-06	2.42E-02	7.63E-06	3.24E-06
404	483877.7, 3854221	1.24E-02	3.92E-06	1.66E-06	1.35E-02	4.26E-06	1.81E-06	2.24E-02	7.08E-06	3.00E-06
405	489150.19, 3858726.45	1.44E-02	4.53E-06	1.92E-06	1.53E-02	4.84E-06	2.05E-06	2.27E-02	7.16E-06	3.04E-06
406	489200.19, 3858726.45	1.40E-02	4.40E-06	1.87E-06	1.49E-02	4.71E-06	2.00E-06	2.22E-02	7.01E-06	2.97E-06
407	489150.19, 3858776.45	1.38E-02	4.36E-06	1.85E-06	1.47E-02	4.65E-06	1.97E-06	2.15E-02	6.79E-06	2.88E-06
408	489200.19, 3858776.45	1.34E-02	4.22E-06	1.79E-06	1.43E-02	4.51E-06	1.91E-06	2.10E-02	6.64E-06	2.82E-06
409	488919.6, 3856400.76	1.64E-02	5.18E-06	2.20E-06	1.77E-02	5.59E-06	2.37E-06	2.83E-02	8.93E-06	3.79E-06
410	488919.6, 3856450.76	1.68E-02	5.29E-06	2.24E-06	1.81E-02	5.71E-06	2.42E-06	2.89E-02	9.12E-06	3.87E-06
411	488969.6, 3856450.76	1.65E-02	5.21E-06	2.21E-06	1.78E-02	5.63E-06	2.39E-06	2.85E-02	9.00E-06	3.82E-06
412	488919.6, 3856500.76	1.71E-02	5.40E-06	2.29E-06	1.85E-02	5.83E-06	2.48E-06	2.95E-02	9.32E-06	3.95E-06
413	488969.6, 3856500.76	1.69E-02	5.33E-06	2.26E-06	1.82E-02	5.76E-06	2.44E-06	2.91E-02	9.20E-06	3.90E-06
414	488919.6, 3856550.76	1.75E-02	5.52E-06	2.34E-06	1.89E-02	5.96E-06	2.53E-06	3.02E-02	9.53E-06	4.04E-06
415	488969.6, 3856550.76	1.72E-02	5.44E-06	2.31E-06	1.86E-02	5.88E-06	2.49E-06	2.98E-02	9.39E-06	3.98E-06
416	488819.6, 3856600.76	1.84E-02	5.80E-06	2.46E-06	1.98E-02	6.26E-06	2.66E-06	3.17E-02	1.00E-05	4.25E-06
417	488869.6, 3856600.76	1.81E-02	5.71E-06	2.42E-06	1.95E-02	6.17E-06	2.62E-06	3.12E-02	9.86E-06	4.18E-06
418	488919.6, 3856600.76	1.78E-02	5.63E-06	2.39E-06	1.93E-02	6.08E-06	2.58E-06	3.08E-02	9.72E-06	4.13E-06
419	488819.6, 3856650.76	1.88E-02	5.92E-06	2.51E-06	2.03E-02	6.39E-06	2.71E-06	3.24E-02	1.02E-05	4.34E-06
420	488869.6, 3856650.76	1.85E-02	5.83E-06	2.47E-06	2.00E-02	6.30E-06	2.67E-06	3.19E-02	1.01E-05	4.27E-06
421	488819.6, 3856700.76	1.91E-02	6.04E-06	2.56E-06	2.07E-02	6.53E-06	2.77E-06	3.31E-02	1.04E-05	4.43E-06
422	488869.6, 3856700.76	1.88E-02	5.95E-06	2.52E-06	2.04E-02	6.43E-06	2.73E-06	3.26E-02	1.03E-05	4.36E-06
423	488819.6, 3856750.76	1.95E-02	6.16E-06	2.61E-06	2.11E-02	6.66E-06	2.83E-06	3.37E-02	1.06E-05	4.52E-06

424	488869.6, 3856750.76	1.92E-02	6.07E-06	2.57E-06	2.08E-02	6.56E-06	2.78E-06	3.32E-02	1.05E-05	4.45E-06
425	488819.6, 3857050.76	2.19E-02	6.93E-06	2.94E-06	2.37E-02	7.49E-06	3.18E-06	3.80E-02	1.20E-05	5.09E-06
426	488869.6, 3857050.76	2.16E-02	6.80E-06	2.89E-06	2.33E-02	7.35E-06	3.12E-06	3.73E-02	1.18E-05	5.00E-06
427	488919.6, 3857050.76	2.12E-02	6.68E-06	2.84E-06	2.29E-02	7.22E-06	3.06E-06	3.67E-02	1.16E-05	4.91E-06
428	488819.6, 3857100.76	2.23E-02	7.05E-06	2.99E-06	2.41E-02	7.62E-06	3.23E-06	3.87E-02	1.22E-05	5.18E-06
429	488869.6, 3857100.76	2.19E-02	6.92E-06	2.94E-06	2.37E-02	7.48E-06	3.17E-06	3.80E-02	1.20E-05	5.09E-06
430	488919.6, 3857100.76	2.15E-02	6.79E-06	2.88E-06	2.33E-02	7.34E-06	3.12E-06	3.73E-02	1.18E-05	5.00E-06
431	488819.6, 3857150.76	2.27E-02	7.17E-06	3.04E-06	2.46E-02	7.75E-06	3.29E-06	3.94E-02	1.24E-05	5.27E-06
432	488869.6, 3857150.76	2.23E-02	7.03E-06	2.98E-06	2.41E-02	7.60E-06	3.23E-06	3.86E-02	1.22E-05	5.18E-06
433	488919.6, 3857150.76	2.19E-02	6.90E-06	2.93E-06	2.36E-02	7.46E-06	3.17E-06	3.79E-02	1.20E-05	5.08E-06
434	488969.6, 3857150.76	2.15E-02	6.78E-06	2.88E-06	2.32E-02	7.32E-06	3.11E-06	3.72E-02	1.18E-05	4.99E-06
435	488819.6, 3857200.76	2.31E-02	7.29E-06	3.09E-06	2.50E-02	7.88E-06	3.34E-06	4.01E-02	1.26E-05	5.37E-06
436	488869.6, 3857200.76	2.27E-02	7.15E-06	3.03E-06	2.45E-02	7.73E-06	3.28E-06	3.93E-02	1.24E-05	5.26E-06
437	488919.6, 3857200.76	2.22E-02	7.01E-06	2.98E-06	2.40E-02	7.58E-06	3.22E-06	3.85E-02	1.22E-05	5.16E-06
438	488969.6, 3857200.76	2.18E-02	6.88E-06	2.92E-06	2.36E-02	7.44E-06	3.16E-06	3.78E-02	1.19E-05	5.06E-06
439	488819.6, 3857250.76	2.35E-02	7.41E-06	3.14E-06	2.54E-02	8.01E-06	3.40E-06	4.07E-02	1.29E-05	5.46E-06
440	488869.6, 3857250.76	2.30E-02	7.26E-06	3.08E-06	2.49E-02	7.85E-06	3.33E-06	3.99E-02	1.26E-05	5.35E-06
441	488919.6, 3857250.76	2.26E-02	7.12E-06	3.02E-06	2.44E-02	7.70E-06	3.27E-06	3.91E-02	1.24E-05	5.24E-06
442	488969.6, 3857250.76	2.21E-02	6.98E-06	2.96E-06	2.39E-02	7.55E-06	3.20E-06	3.84E-02	1.21E-05	5.14E-06
443	488819.6, 3857300.76	2.38E-02	7.53E-06	3.19E-06	2.58E-02	8.14E-06	3.45E-06	4.14E-02	1.31E-05	5.54E-06
444	488869.6, 3857300.76	2.34E-02	7.37E-06	3.13E-06	2.52E-02	7.97E-06	3.38E-06	4.05E-02	1.28E-05	5.43E-06
445	488919.6, 3857300.76	2.29E-02	7.22E-06	3.06E-06	2.47E-02	7.81E-06	3.31E-06	3.97E-02	1.25E-05	5.32E-06
446	488819.6, 3857450.76	2.49E-02	7.85E-06	3.33E-06	2.69E-02	8.49E-06	3.60E-06	4.32E-02	1.36E-05	5.79E-06
447	488869.6, 3857450.76	2.43E-02	7.68E-06	3.26E-06	2.63E-02	8.30E-06	3.52E-06	4.23E-02	1.33E-05	5.66E-06
448	488919.6, 3857450.76	2.38E-02	7.51E-06	3.19E-06	2.57E-02	8.12E-06	3.44E-06	4.13E-02	1.30E-05	5.53E-06
449	488819.6, 3857500.76	2.52E-02	7.95E-06	3.38E-06	2.73E-02	8.60E-06	3.65E-06	4.38E-02	1.38E-05	5.87E-06
450	488869.6, 3857500.76	2.46E-02	7.77E-06	3.30E-06	2.66E-02	8.40E-06	3.57E-06	4.28E-02	1.35E-05	5.73E-06
451	488919.6, 3857500.76	2.41E-02	7.59E-06	3.22E-06	2.60E-02	8.21E-06	3.48E-06	4.18E-02	1.32E-05	5.60E-06
452	488819.6, 3857550.76	2.55E-02	8.05E-06	3.42E-06	2.76E-02	8.71E-06	3.69E-06	4.44E-02	1.40E-05	5.94E-06
453	488869.6, 3857550.76	2.49E-02	7.86E-06	3.34E-06	2.69E-02	8.50E-06	3.61E-06	4.33E-02	1.37E-05	5.80E-06
454	488919.6, 3857550.76	2.43E-02	7.68E-06	3.26E-06	2.63E-02	8.30E-06	3.52E-06	4.23E-02	1.33E-05	5.66E-06
455	489663.71, 3860900.05	2.05E-03	6.48E-07	2.75E-07	2.21E-03	6.99E-07	2.96E-07	3.49E-03	1.10E-06	4.67E-07
456	489813.71, 3860900.05	2.07E-03	6.53E-07	2.77E-07	2.23E-03	7.04E-07	2.99E-07	3.52E-03	1.11E-06	4.71E-07
457	489863.71, 3860900.05	2.07E-03	6.54E-07	2.78E-07	2.24E-03	7.06E-07	2.99E-07	3.53E-03	1.11E-06	4.72E-07
458	489913.71, 3860900.05	2.08E-03	6.57E-07	2.79E-07	2.24E-03	7.08E-07	3.01E-07	3.54E-03	1.12E-06	4.74E-07
459	489963.71, 3860900.05	2.08E-03	6.58E-07	2.79E-07	2.25E-03	7.09E-07	3.01E-07	3.55E-03	1.12E-06	4.75E-07
460	490013.71, 3860900.05	2.09E-03	6.61E-07	2.80E-07	2.26E-03	7.12E-07	3.02E-07	3.56E-03	1.12E-06	4.77E-07
461	490063.71, 3860900.05	2.10E-03	6.62E-07	2.81E-07	2.26E-03	7.14E-07	3.03E-07	3.57E-03	1.13E-06	4.78E-07
462	489663.71, 3860950.05	2.00E-03	6.33E-07	2.68E-07	2.16E-03	6.82E-07	2.89E-07	3.41E-03	1.07E-06	4.56E-07
463	489813.71, 3860950.05	2.02E-03	6.38E-07	2.71E-07	2.18E-03	6.88E-07	2.92E-07	3.44E-03	1.08E-06	4.60E-07
464	489863.71, 3860950.05	2.02E-03	6.38E-07	2.71E-07	2.18E-03	6.88E-07	2.92E-07	3.44E-03	1.09E-06	4.61E-07
465	489913.71, 3860950.05	2.03E-03	6.41E-07	2.72E-07	2.19E-03	6.91E-07	2.93E-07	3.45E-03	1.09E-06	4.62E-07
466	489963.71, 3860950.05	2.03E-03	6.42E-07	2.72E-07	2.19E-03	6.92E-07	2.94E-07	3.46E-03	1.09E-06	4.63E-07
467	490013.71, 3860950.05	2.04E-03	6.44E-07	2.73E-07	2.20E-03	6.94E-07	2.95E-07	3.47E-03	1.10E-06	4.65E-07
468	490063.71, 3860950.05	2.05E-03	6.46E-07	2.74E-07	2.21E-03	6.97E-07	2.96E-07	3.48E-03	1.10E-06	4.66E-07
469	489513.71, 3861000.05	1.95E-03	6.15E-07	2.61E-07	2.10E-03	6.63E-07	2.81E-07	3.31E-03	1.04E-06	4.43E-07
470	489563.71, 3861000.05	1.95E-03	6.16E-07	2.61E-07	2.10E-03	6.64E-07	2.82E-07	3.31E-03	1.05E-06	4.44E-07
471	489613.71, 3861000.05	1.96E-03	6.17E-07	2.62E-07	2.11E-03	6.65E-07	2.82E-07	3.32E-03	1.05E-06	4.45E-07
472	489663.71, 3861000.05	1.96E-03	6.18E-07	2.62E-07	2.11E-03	6.67E-07	2.83E-07	3.33E-03	1.05E-06	4.46E-07
473	489713.71, 3861000.05	1.96E-03	6.19E-07	2.63E-07	2.12E-03	6.68E-07	2.83E-07	3.33E-03	1.05E-06	4.46E-07
474	489763.71, 3861000.05	1.97E-03	6.20E-07	2.63E-07	2.12E-03	6.69E-07	2.84E-07	3.34E-03	1.05E-06	4.47E-07
475	489813.71, 3861000.05	1.97E-03	6.23E-07	2.64E-07	2.13E-03	6.72E-07	2.85E-07	3.36E-03	1.06E-06	4.49E-07
476	489863.71, 3861000.05	1.98E-03	6.24E-07	2.65E-07	2.13E-03	6.72E-07	2.85E-07	3.36E-03	1.06E-06	4.50E-07
477	489913.71, 3861000.05	1.98E-03	6.26E-07	2.65E-07	2.14E-03	6.75E-07	2.86E-07	3.37E-03	1.06E-06	4.51E-07
478	489963.71, 3861000.05	1.98E-03	6.26E-07	2.66E-07	2.14E-03	6.76E-07	2.87E-07	3.38E-03	1.07E-06	4.52E-07
479	490013.71, 3861000.05	1.99E-03	6.28E-07	2.67E-07	2.15E-03	6.78E-07	2.88E-07	3.39E-03	1.07E-06	4.54E-07
480	490063.71, 3861000.05	2.00E-03	6.30E-07	2.67E-07	2.15E-03	6.79E-07	2.88E-07	3.40E-03	1.07E-06	4.55E-07
481	489513.71, 3861050.05	1.91E-03	6.02E-07	2.55E-07	2.06E-03	6.49E-07	2.75E-07	3.24E-03	1.02E-06	4.34E-07
482	489563.71, 3861050.05	1.91E-03	6.02E-07	2.56E-07	2.06E-03	6.50E-07	2.76E-07	3.24E-03	1.02E-06	4.34E-07
483	489613.71, 3861050.05	1.91E-03	6.04E-07	2.56E-07	2.06E-03	6.52E-07	2.76E-07	3.25E-03	1.03E-06	4.36E-07
484	489663.71, 3861050.05	1.92E-03	6.04E-07	2.56E-07	2.07E-03	6.52E-07	2.77E-07	3.25E-03	1.03E-06	4.36E-07

485	489713.71, 3861050.05	1.92E-03	6.05E-07	2.57E-07	2.07E-03	6.52E-07	2.77E-07	3.26E-03	1.03E-06	4.36E-07
486	489763.71, 3861050.05	1.92E-03	6.06E-07	2.57E-07	2.07E-03	6.54E-07	2.77E-07	3.27E-03	1.03E-06	4.37E-07
487	489813.71, 3861050.05	1.93E-03	6.08E-07	2.58E-07	2.08E-03	6.56E-07	2.78E-07	3.28E-03	1.03E-06	4.39E-07
488	489863.71, 3861050.05	1.93E-03	6.09E-07	2.58E-07	2.08E-03	6.57E-07	2.79E-07	3.28E-03	1.04E-06	4.39E-07
489	489913.71, 3861050.05	1.93E-03	6.11E-07	2.59E-07	2.09E-03	6.58E-07	2.79E-07	3.29E-03	1.04E-06	4.41E-07
490	489963.71, 3861050.05	1.94E-03	6.12E-07	2.60E-07	2.09E-03	6.60E-07	2.80E-07	3.30E-03	1.04E-06	4.42E-07
491	490013.71, 3861050.05	1.95E-03	6.14E-07	2.61E-07	2.10E-03	6.62E-07	2.81E-07	3.31E-03	1.04E-06	4.43E-07
492	490063.71, 3861050.05	1.95E-03	6.15E-07	2.61E-07	2.10E-03	6.64E-07	2.82E-07	3.32E-03	1.05E-06	4.44E-07
493	489513.71, 3861100.05	1.87E-03	5.90E-07	2.50E-07	2.02E-03	6.36E-07	2.70E-07	3.17E-03	1.00E-06	4.25E-07
494	489563.71, 3861100.05	1.87E-03	5.89E-07	2.50E-07	2.01E-03	6.36E-07	2.70E-07	3.17E-03	1.00E-06	4.25E-07
495	489613.71, 3861100.05	1.87E-03	5.89E-07	2.50E-07	2.01E-03	6.35E-07	2.69E-07	3.17E-03	1.00E-06	4.24E-07
496	489663.71, 3861100.05	1.87E-03	5.90E-07	2.50E-07	2.02E-03	6.36E-07	2.70E-07	3.17E-03	1.00E-06	4.25E-07
497	489713.71, 3861100.05	1.87E-03	5.91E-07	2.51E-07	2.02E-03	6.37E-07	2.70E-07	3.18E-03	1.00E-06	4.26E-07
498	489763.71, 3861100.05	1.88E-03	5.92E-07	2.51E-07	2.02E-03	6.39E-07	2.71E-07	3.19E-03	1.01E-06	4.27E-07
499	489813.71, 3861100.05	1.88E-03	5.94E-07	2.52E-07	2.03E-03	6.40E-07	2.72E-07	3.20E-03	1.01E-06	4.28E-07
500	489863.71, 3861100.05	1.89E-03	5.96E-07	2.53E-07	2.04E-03	6.43E-07	2.73E-07	3.21E-03	1.01E-06	4.30E-07
501	489913.71, 3861100.05	1.89E-03	5.96E-07	2.53E-07	2.04E-03	6.43E-07	2.73E-07	3.21E-03	1.01E-06	4.30E-07
502	489963.71, 3861100.05	1.89E-03	5.98E-07	2.54E-07	2.04E-03	6.45E-07	2.74E-07	3.22E-03	1.02E-06	4.31E-07
503	490013.71, 3861100.05	1.90E-03	5.99E-07	2.54E-07	2.05E-03	6.46E-07	2.74E-07	3.23E-03	1.02E-06	4.32E-07
504	490063.71, 3861100.05	1.90E-03	6.00E-07	2.55E-07	2.05E-03	6.48E-07	2.75E-07	3.24E-03	1.02E-06	4.33E-07
505	489713.71, 3861150.05	1.83E-03	5.78E-07	2.45E-07	1.97E-03	6.23E-07	2.64E-07	3.11E-03	9.82E-07	4.17E-07
506	489763.71, 3861150.05	1.83E-03	5.79E-07	2.46E-07	1.98E-03	6.24E-07	2.65E-07	3.12E-03	9.84E-07	4.18E-07
507	489813.71, 3861150.05	1.84E-03	5.80E-07	2.46E-07	1.98E-03	6.26E-07	2.66E-07	3.13E-03	9.87E-07	4.19E-07
508	489863.71, 3861150.05	1.84E-03	5.82E-07	2.47E-07	1.99E-03	6.27E-07	2.66E-07	3.13E-03	9.89E-07	4.20E-07
509	489913.71, 3861150.05	1.85E-03	5.83E-07	2.47E-07	1.99E-03	6.28E-07	2.67E-07	3.14E-03	9.91E-07	4.20E-07
510	489963.71, 3861150.05	1.85E-03	5.84E-07	2.48E-07	1.99E-03	6.29E-07	2.67E-07	3.15E-03	9.93E-07	4.21E-07
511	490013.71, 3861150.05	1.85E-03	5.85E-07	2.48E-07	2.00E-03	6.30E-07	2.67E-07	3.15E-03	9.95E-07	4.22E-07
512	490063.71, 3861150.05	1.86E-03	5.86E-07	2.49E-07	2.00E-03	6.32E-07	2.68E-07	3.16E-03	9.98E-07	4.23E-07
513	489613.71, 3861200.05	1.78E-03	5.63E-07	2.39E-07	1.92E-03	6.07E-07	2.57E-07	3.03E-03	9.56E-07	4.06E-07
514	489663.71, 3861200.05	1.79E-03	5.64E-07	2.39E-07	1.93E-03	6.08E-07	2.58E-07	3.04E-03	9.58E-07	4.06E-07
515	489713.71, 3861200.05	1.79E-03	5.65E-07	2.40E-07	1.93E-03	6.09E-07	2.59E-07	3.04E-03	9.60E-07	4.07E-07
516	489763.71, 3861200.05	1.79E-03	5.66E-07	2.40E-07	1.93E-03	6.11E-07	2.59E-07	3.05E-03	9.62E-07	4.08E-07
517	489813.71, 3861200.05	1.80E-03	5.68E-07	2.41E-07	1.94E-03	6.12E-07	2.60E-07	3.06E-03	9.65E-07	4.09E-07
518	489863.71, 3861200.05	1.80E-03	5.69E-07	2.42E-07	1.94E-03	6.14E-07	2.60E-07	3.07E-03	9.68E-07	4.11E-07
519	489913.71, 3861200.05	1.81E-03	5.70E-07	2.42E-07	1.95E-03	6.15E-07	2.61E-07	3.07E-03	9.69E-07	4.11E-07
520	489963.71, 3861200.05	1.81E-03	5.71E-07	2.42E-07	1.95E-03	6.15E-07	2.61E-07	3.08E-03	9.71E-07	4.12E-07
521	490013.71, 3861200.05	1.81E-03	5.72E-07	2.43E-07	1.95E-03	6.17E-07	2.62E-07	3.08E-03	9.73E-07	4.13E-07
522	490063.71, 3861200.05	1.82E-03	5.73E-07	2.43E-07	1.96E-03	6.18E-07	2.62E-07	3.09E-03	9.75E-07	4.14E-07
523	489513.71, 3861250.05	1.74E-03	5.49E-07	2.33E-07	1.87E-03	5.92E-07	2.51E-07	2.95E-03	9.31E-07	3.95E-07
524	489563.71, 3861250.05	1.74E-03	5.50E-07	2.33E-07	1.88E-03	5.93E-07	2.52E-07	2.96E-03	9.34E-07	3.96E-07
525	489613.71, 3861250.05	1.75E-03	5.51E-07	2.34E-07	1.88E-03	5.94E-07	2.52E-07	2.97E-03	9.36E-07	3.97E-07
526	489663.71, 3861250.05	1.75E-03	5.52E-07	2.34E-07	1.89E-03	5.95E-07	2.53E-07	2.97E-03	9.38E-07	3.98E-07
527	489713.71, 3861250.05	1.75E-03	5.53E-07	2.35E-07	1.89E-03	5.96E-07	2.53E-07	2.98E-03	9.40E-07	3.99E-07
528	489763.71, 3861250.05	1.76E-03	5.54E-07	2.35E-07	1.89E-03	5.98E-07	2.54E-07	2.98E-03	9.42E-07	4.00E-07
529	489813.71, 3861250.05	1.76E-03	5.55E-07	2.36E-07	1.90E-03	5.99E-07	2.54E-07	2.99E-03	9.44E-07	4.00E-07
530	489863.71, 3861250.05	1.76E-03	5.56E-07	2.36E-07	1.90E-03	6.00E-07	2.55E-07	3.00E-03	9.46E-07	4.01E-07
531	489913.71, 3861250.05	1.77E-03	5.58E-07	2.37E-07	1.91E-03	6.02E-07	2.55E-07	3.01E-03	9.48E-07	4.02E-07
532	489963.71, 3861250.05	1.77E-03	5.59E-07	2.37E-07	1.91E-03	6.03E-07	2.56E-07	3.01E-03	9.50E-07	4.03E-07
533	490013.71, 3861250.05	1.77E-03	5.60E-07	2.38E-07	1.91E-03	6.04E-07	2.56E-07	3.02E-03	9.52E-07	4.04E-07
534	490063.71, 3861250.05	1.78E-03	5.60E-07	2.38E-07	1.91E-03	6.04E-07	2.56E-07	3.02E-03	9.53E-07	4.04E-07
535	489528.13, 3861308.47	1.70E-03	5.36E-07	2.27E-07	1.83E-03	5.77E-07	2.45E-07	2.88E-03	9.09E-07	3.86E-07
536	489578.13, 3861308.47	1.70E-03	5.37E-07	2.28E-07	1.83E-03	5.79E-07	2.46E-07	2.89E-03	9.11E-07	3.87E-07
537	489628.13, 3861308.47	1.70E-03	5.38E-07	2.28E-07	1.84E-03	5.80E-07	2.46E-07	2.89E-03	9.13E-07	3.87E-07
538	489678.13, 3861308.47	1.71E-03	5.39E-07	2.29E-07	1.84E-03	5.81E-07	2.47E-07	2.90E-03	9.15E-07	3.88E-07
539	489728.13, 3861308.47	1.71E-03	5.40E-07	2.29E-07	1.85E-03	5.82E-07	2.47E-07	2.91E-03	9.18E-07	3.89E-07
540	489778.13, 3861308.47	1.71E-03	5.41E-07	2.29E-07	1.85E-03	5.83E-07	2.47E-07	2.91E-03	9.19E-07	3.90E-07
541	489678.13, 3861358.47	1.67E-03	5.28E-07	2.24E-07	1.80E-03	5.69E-07	2.41E-07	2.84E-03	8.96E-07	3.80E-07
542	489728.13, 3861358.47	1.68E-03	5.29E-07	2.24E-07	1.81E-03	5.70E-07	2.42E-07	2.85E-03	8.98E-07	3.81E-07
543	489528.13, 3861408.47	1.63E-03	5.14E-07	2.18E-07	1.76E-03	5.54E-07	2.35E-07	2.76E-03	8.72E-07	3.70E-07
544	489578.13, 3861408.47	1.63E-03	5.15E-07	2.18E-07	1.76E-03	5.55E-07	2.36E-07	2.77E-03	8.74E-07	3.71E-07
545	489628.13, 3861408.47	1.64E-03	5.17E-07	2.19E-07	1.77E-03	5.57E-07	2.36E-07	2.78E-03	8.77E-07	3.72E-07

546	489678.13, 3861408.47	1.64E-03	5.17E-07	2.19E-07	1.77E-03	5.58E-07	2.37E-07	2.78E-03	8.79E-07	3.73E-07
547	489728.13, 3861408.47	1.64E-03	5.18E-07	2.20E-07	1.77E-03	5.58E-07	2.37E-07	2.79E-03	8.80E-07	3.73E-07
548	489528.13, 3861458.47	1.60E-03	5.04E-07	2.14E-07	1.72E-03	5.43E-07	2.31E-07	2.71E-03	8.55E-07	3.63E-07
549	489578.13, 3861458.47	1.60E-03	5.05E-07	2.14E-07	1.73E-03	5.45E-07	2.31E-07	2.72E-03	8.57E-07	3.64E-07
550	489628.13, 3861458.47	1.60E-03	5.06E-07	2.15E-07	1.73E-03	5.46E-07	2.31E-07	2.72E-03	8.59E-07	3.65E-07
551	489678.13, 3861458.47	1.61E-03	5.07E-07	2.15E-07	1.73E-03	5.46E-07	2.32E-07	2.73E-03	8.61E-07	3.65E-07
552	489728.13, 3861458.47	1.61E-03	5.07E-07	2.15E-07	1.73E-03	5.47E-07	2.32E-07	2.73E-03	8.61E-07	3.65E-07
553	489528.13, 3861508.47	1.57E-03	4.94E-07	2.10E-07	1.69E-03	5.33E-07	2.26E-07	2.66E-03	8.39E-07	3.56E-07
554	489578.13, 3861508.47	1.57E-03	4.95E-07	2.10E-07	1.69E-03	5.34E-07	2.26E-07	2.66E-03	8.40E-07	3.56E-07
555	489628.13, 3861508.47	1.57E-03	4.96E-07	2.10E-07	1.69E-03	5.35E-07	2.27E-07	2.67E-03	8.42E-07	3.57E-07
556	489678.13, 3861508.47	1.57E-03	4.96E-07	2.11E-07	1.70E-03	5.35E-07	2.27E-07	2.67E-03	8.43E-07	3.58E-07
557	489728.13, 3861508.47	1.57E-03	4.97E-07	2.11E-07	1.70E-03	5.36E-07	2.27E-07	2.67E-03	8.44E-07	3.58E-07
558	489628.13, 3861558.47	1.54E-03	4.87E-07	2.06E-07	1.66E-03	5.25E-07	2.23E-07	2.62E-03	8.26E-07	3.50E-07
559	489678.13, 3861558.47	1.55E-03	4.88E-07	2.07E-07	1.67E-03	5.26E-07	2.23E-07	2.62E-03	8.28E-07	3.51E-07
560	489728.13, 3861558.47	1.55E-03	4.88E-07	2.07E-07	1.67E-03	5.26E-07	2.23E-07	2.63E-03	8.29E-07	3.52E-07
561	489357.08, 3861015.81	1.93E-03	6.08E-07	2.58E-07	2.08E-03	6.55E-07	2.78E-07	3.27E-03	1.03E-06	4.37E-07
562	489407.08, 3861015.81	1.93E-03	6.08E-07	2.58E-07	2.08E-03	6.55E-07	2.78E-07	3.27E-03	1.03E-06	4.38E-07
563	489457.08, 3861015.81	1.93E-03	6.09E-07	2.58E-07	2.08E-03	6.56E-07	2.78E-07	3.27E-03	1.03E-06	4.38E-07
564	489357.08, 3861065.81	1.88E-03	5.95E-07	2.52E-07	2.03E-03	6.41E-07	2.72E-07	3.20E-03	1.01E-06	4.28E-07
565	489407.08, 3861065.81	1.88E-03	5.95E-07	2.52E-07	2.03E-03	6.41E-07	2.72E-07	3.20E-03	1.01E-06	4.28E-07
566	489457.08, 3861065.81	1.89E-03	5.96E-07	2.53E-07	2.03E-03	6.42E-07	2.72E-07	3.20E-03	1.01E-06	4.29E-07
567	489357.08, 3861115.81	1.84E-03	5.82E-07	2.47E-07	1.99E-03	6.27E-07	2.66E-07	3.13E-03	9.87E-07	4.19E-07
568	489407.08, 3861115.81	1.85E-03	5.83E-07	2.47E-07	1.99E-03	6.28E-07	2.67E-07	3.13E-03	9.89E-07	4.20E-07
569	489457.08, 3861115.81	1.85E-03	5.84E-07	2.48E-07	1.99E-03	6.29E-07	2.67E-07	3.14E-03	9.90E-07	4.20E-07
570	489407.08, 3861165.81	1.81E-03	5.71E-07	2.42E-07	1.95E-03	6.16E-07	2.61E-07	3.07E-03	9.69E-07	4.11E-07
571	489457.08, 3861165.81	1.81E-03	5.71E-07	2.42E-07	1.95E-03	6.16E-07	2.61E-07	3.07E-03	9.69E-07	4.11E-07
572	489407.08, 3861215.81	1.76E-03	5.57E-07	2.36E-07	1.90E-03	6.00E-07	2.55E-07	2.99E-03	9.44E-07	4.01E-07
573	489457.08, 3861215.81	1.77E-03	5.57E-07	2.36E-07	1.90E-03	6.01E-07	2.55E-07	3.00E-03	9.46E-07	4.01E-07
574	489407.08, 3861265.81	1.72E-03	5.43E-07	2.30E-07	1.85E-03	5.85E-07	2.48E-07	2.92E-03	9.21E-07	3.91E-07
575	489457.08, 3861265.81	1.72E-03	5.44E-07	2.31E-07	1.86E-03	5.86E-07	2.49E-07	2.92E-03	9.23E-07	3.92E-07
576	489309.86, 3861110.14	1.84E-03	5.82E-07	2.47E-07	1.99E-03	6.27E-07	2.66E-07	3.13E-03	9.87E-07	4.19E-07
577	489407.08, 3861315.81	1.68E-03	5.31E-07	2.25E-07	1.81E-03	5.73E-07	2.43E-07	2.86E-03	9.01E-07	3.82E-07
578	489457.08, 3861315.81	1.69E-03	5.33E-07	2.26E-07	1.82E-03	5.74E-07	2.44E-07	2.86E-03	9.04E-07	3.83E-07
579	488906.03, 3861006.75	1.92E-03	6.07E-07	2.57E-07	2.07E-03	6.54E-07	2.77E-07	3.26E-03	1.03E-06	4.36E-07
580	488956.03, 3861006.75	1.93E-03	6.09E-07	2.58E-07	2.08E-03	6.57E-07	2.79E-07	3.27E-03	1.03E-06	4.38E-07
581	488904.24, 3861051.87	1.91E-03	6.02E-07	2.56E-07	2.06E-03	6.49E-07	2.76E-07	3.23E-03	1.02E-06	4.33E-07
582	488954.24, 3861051.87	1.90E-03	6.00E-07	2.54E-07	2.05E-03	6.47E-07	2.74E-07	3.22E-03	1.02E-06	4.31E-07
583	489004.24, 3861051.87	1.91E-03	6.03E-07	2.56E-07	2.06E-03	6.50E-07	2.76E-07	3.24E-03	1.02E-06	4.33E-07
584	488804.24, 3861101.87	1.85E-03	5.84E-07	2.48E-07	1.99E-03	6.30E-07	2.67E-07	3.13E-03	9.89E-07	4.20E-07
585	488854.24, 3861101.87	1.86E-03	5.86E-07	2.49E-07	2.00E-03	6.32E-07	2.68E-07	3.15E-03	9.93E-07	4.21E-07
586	488904.24, 3861101.87	1.84E-03	5.81E-07	2.46E-07	1.98E-03	6.26E-07	2.66E-07	3.12E-03	9.84E-07	4.17E-07
587	488954.24, 3861101.87	1.84E-03	5.80E-07	2.46E-07	1.98E-03	6.25E-07	2.65E-07	3.11E-03	9.82E-07	4.17E-07
588	489004.24, 3861101.87	1.84E-03	5.80E-07	2.46E-07	1.98E-03	6.26E-07	2.65E-07	3.12E-03	9.83E-07	4.17E-07
589	488804.24, 3861151.87	1.79E-03	5.64E-07	2.39E-07	1.93E-03	6.08E-07	2.58E-07	3.02E-03	9.55E-07	4.05E-07
590	488854.24, 3861151.87	1.78E-03	5.63E-07	2.39E-07	1.92E-03	6.07E-07	2.58E-07	3.02E-03	9.54E-07	4.05E-07
591	489129.49, 3861187.55	1.77E-03	5.57E-07	2.37E-07	1.90E-03	6.01E-07	2.55E-07	2.99E-03	9.45E-07	4.01E-07
592	489179.49, 3861187.55	1.77E-03	5.58E-07	2.37E-07	1.91E-03	6.01E-07	2.55E-07	3.00E-03	9.46E-07	4.01E-07
593	488804.24, 3861201.87	1.75E-03	5.52E-07	2.34E-07	1.89E-03	5.95E-07	2.52E-07	2.96E-03	9.35E-07	3.97E-07
594	488854.24, 3861201.87	1.74E-03	5.50E-07	2.33E-07	1.88E-03	5.93E-07	2.52E-07	2.95E-03	9.32E-07	3.95E-07
595	489129.49, 3861237.55	1.73E-03	5.47E-07	2.32E-07	1.87E-03	5.90E-07	2.50E-07	2.94E-03	9.27E-07	3.93E-07
596	489179.49, 3861237.55	1.73E-03	5.46E-07	2.32E-07	1.87E-03	5.89E-07	2.50E-07	2.93E-03	9.26E-07	3.93E-07
597	488804.24, 3861251.87	1.71E-03	5.41E-07	2.30E-07	1.85E-03	5.83E-07	2.47E-07	2.90E-03	9.16E-07	3.89E-07
598	488854.24, 3861251.87	1.71E-03	5.39E-07	2.29E-07	1.84E-03	5.81E-07	2.47E-07	2.89E-03	9.13E-07	3.87E-07
599	488804.24, 3861301.87	1.68E-03	5.29E-07	2.25E-07	1.81E-03	5.70E-07	2.42E-07	2.84E-03	8.96E-07	3.80E-07
600	488854.24, 3861301.87	1.67E-03	5.28E-07	2.24E-07	1.80E-03	5.69E-07	2.42E-07	2.83E-03	8.95E-07	3.80E-07
601	490943.5, 3860181.97	2.81E-03	8.88E-07	3.77E-07	3.03E-03	9.57E-07	4.06E-07	4.79E-03	1.51E-06	6.41E-07
602	490993.5, 3860181.97	2.82E-03	8.90E-07	3.78E-07	3.04E-03	9.60E-07	4.07E-07	4.80E-03	1.51E-06	6.43E-07
603	491043.5, 3860181.97	2.83E-03	8.93E-07	3.79E-07	3.05E-03	9.63E-07	4.08E-07	4.81E-03	1.52E-06	6.44E-07
604	491093.5, 3860181.97	2.83E-03	8.94E-07	3.79E-07	3.06E-03	9.64E-07	4.09E-07	4.82E-03	1.52E-06	6.46E-07
605	490943.5, 3860231.97	2.72E-03	8.57E-07	3.64E-07	2.93E-03	9.25E-07	3.92E-07	4.62E-03	1.46E-06	6.19E-07
606	490993.5, 3860231.97	2.73E-03	8.61E-07	3.65E-07	2.94E-03	9.29E-07	3.94E-07	4.64E-03	1.47E-06	6.22E-07

607	491043.5, 3860231.97	2.73E-03	8.62E-07	3.66E-07	2.95E-03	9.30E-07	3.94E-07	4.65E-03	1.47E-06	6.23E-07
608	491093.5, 3860231.97	2.73E-03	8.63E-07	3.66E-07	2.95E-03	9.31E-07	3.95E-07	4.66E-03	1.47E-06	6.23E-07
609	490943.5, 3860281.97	2.63E-03	8.30E-07	3.52E-07	2.84E-03	8.95E-07	3.80E-07	4.48E-03	1.41E-06	5.99E-07
610	490993.5, 3860281.97	2.64E-03	8.32E-07	3.53E-07	2.84E-03	8.98E-07	3.81E-07	4.49E-03	1.42E-06	6.01E-07
611	491043.5, 3860281.97	2.64E-03	8.33E-07	3.54E-07	2.85E-03	8.99E-07	3.81E-07	4.50E-03	1.42E-06	6.02E-07
612	491093.5, 3860281.97	2.64E-03	8.35E-07	3.54E-07	2.85E-03	9.00E-07	3.82E-07	4.50E-03	1.42E-06	6.03E-07
613	490943.5, 3860331.97	2.55E-03	8.04E-07	3.41E-07	2.75E-03	8.68E-07	3.68E-07	4.34E-03	1.37E-06	5.81E-07
614	490993.5, 3860331.97	2.55E-03	8.05E-07	3.41E-07	2.75E-03	8.68E-07	3.68E-07	4.34E-03	1.37E-06	5.81E-07
615	491043.5, 3860331.97	2.55E-03	8.05E-07	3.42E-07	2.75E-03	8.69E-07	3.69E-07	4.35E-03	1.37E-06	5.82E-07
616	491093.5, 3860331.97	2.56E-03	8.07E-07	3.42E-07	2.76E-03	8.70E-07	3.69E-07	4.35E-03	1.37E-06	5.83E-07
617	490086.72, 3859935.12	3.32E-03	1.05E-06	4.44E-07	3.58E-03	1.13E-06	4.79E-07	5.63E-03	1.78E-06	7.54E-07
618	490136.72, 3859935.12	3.30E-03	1.04E-06	4.42E-07	3.56E-03	1.12E-06	4.77E-07	5.61E-03	1.77E-06	7.52E-07
619	490186.72, 3859935.12	3.30E-03	1.04E-06	4.41E-07	3.55E-03	1.12E-06	4.76E-07	5.60E-03	1.77E-06	7.50E-07
620	490236.72, 3859935.12	3.29E-03	1.04E-06	4.41E-07	3.55E-03	1.12E-06	4.75E-07	5.59E-03	1.76E-06	7.49E-07
621	490286.72, 3859935.12	3.29E-03	1.04E-06	4.40E-07	3.54E-03	1.12E-06	4.75E-07	5.58E-03	1.76E-06	7.48E-07
622	490336.72, 3859935.12	3.29E-03	1.04E-06	4.40E-07	3.54E-03	1.12E-06	4.75E-07	5.58E-03	1.76E-06	7.48E-07
623	490386.72, 3859935.12	3.29E-03	1.04E-06	4.41E-07	3.55E-03	1.12E-06	4.75E-07	5.59E-03	1.76E-06	7.48E-07
624	490436.72, 3859935.12	3.30E-03	1.04E-06	4.41E-07	3.55E-03	1.12E-06	4.76E-07	5.60E-03	1.77E-06	7.50E-07
625	490486.72, 3859935.12	3.30E-03	1.04E-06	4.42E-07	3.56E-03	1.12E-06	4.77E-07	5.61E-03	1.77E-06	7.51E-07
626	490536.72, 3859935.12	3.32E-03	1.05E-06	4.45E-07	3.58E-03	1.13E-06	4.80E-07	5.64E-03	1.78E-06	7.56E-07
627	490586.72, 3859935.12	3.34E-03	1.05E-06	4.48E-07	3.60E-03	1.14E-06	4.83E-07	5.68E-03	1.79E-06	7.60E-07
628	490636.72, 3859935.12	3.36E-03	1.06E-06	4.50E-07	3.62E-03	1.14E-06	4.85E-07	5.70E-03	1.80E-06	7.64E-07
629	490686.72, 3859935.12	3.38E-03	1.07E-06	4.53E-07	3.65E-03	1.15E-06	4.88E-07	5.75E-03	1.81E-06	7.70E-07
630	490736.72, 3859935.12	3.40E-03	1.07E-06	4.55E-07	3.67E-03	1.16E-06	4.91E-07	5.78E-03	1.82E-06	7.74E-07
631	490086.72, 3859985.12	3.22E-03	1.02E-06	4.32E-07	3.48E-03	1.10E-06	4.66E-07	5.48E-03	1.73E-06	7.34E-07
632	490136.72, 3859985.12	3.21E-03	1.01E-06	4.30E-07	3.46E-03	1.09E-06	4.63E-07	5.45E-03	1.72E-06	7.30E-07
633	490186.72, 3859985.12	3.20E-03	1.01E-06	4.28E-07	3.45E-03	1.09E-06	4.62E-07	5.43E-03	1.72E-06	7.28E-07
634	490236.72, 3859985.12	3.19E-03	1.01E-06	4.27E-07	3.44E-03	1.09E-06	4.61E-07	5.42E-03	1.71E-06	7.26E-07
635	490286.72, 3859985.12	3.18E-03	1.00E-06	4.26E-07	3.43E-03	1.08E-06	4.60E-07	5.41E-03	1.71E-06	7.25E-07
636	490336.72, 3859985.12	3.18E-03	1.00E-06	4.26E-07	3.43E-03	1.08E-06	4.59E-07	5.40E-03	1.71E-06	7.23E-07
637	490386.72, 3859985.12	3.17E-03	1.00E-06	4.25E-07	3.42E-03	1.08E-06	4.58E-07	5.39E-03	1.70E-06	7.22E-07
638	490436.72, 3859985.12	3.17E-03	1.00E-06	4.25E-07	3.42E-03	1.08E-06	4.58E-07	5.40E-03	1.70E-06	7.22E-07
639	490486.72, 3859985.12	3.18E-03	1.00E-06	4.26E-07	3.43E-03	1.08E-06	4.59E-07	5.40E-03	1.71E-06	7.24E-07
640	490536.72, 3859985.12	3.19E-03	1.01E-06	4.27E-07	3.44E-03	1.09E-06	4.61E-07	5.42E-03	1.71E-06	7.26E-07
641	490586.72, 3859985.12	3.21E-03	1.01E-06	4.29E-07	3.46E-03	1.09E-06	4.63E-07	5.45E-03	1.72E-06	7.29E-07
642	490636.72, 3859985.12	3.22E-03	1.02E-06	4.32E-07	3.48E-03	1.10E-06	4.65E-07	5.48E-03	1.73E-06	7.34E-07
643	490686.72, 3859985.12	3.25E-03	1.02E-06	4.35E-07	3.50E-03	1.11E-06	4.69E-07	5.52E-03	1.74E-06	7.39E-07
644	490736.72, 3859985.12	3.26E-03	1.03E-06	4.37E-07	3.52E-03	1.11E-06	4.71E-07	5.54E-03	1.75E-06	7.42E-07
645	490786.72, 3859985.12	3.27E-03	1.03E-06	4.38E-07	3.53E-03	1.11E-06	4.73E-07	5.57E-03	1.76E-06	7.45E-07
646	490086.72, 3860035.12	3.14E-03	9.92E-07	4.21E-07	3.39E-03	1.07E-06	4.54E-07	5.34E-03	1.69E-06	7.15E-07
647	490136.72, 3860035.12	3.12E-03	9.86E-07	4.18E-07	3.37E-03	1.06E-06	4.51E-07	5.31E-03	1.68E-06	7.11E-07
648	490186.72, 3860035.12	3.11E-03	9.81E-07	4.16E-07	3.35E-03	1.06E-06	4.49E-07	5.29E-03	1.67E-06	7.08E-07
649	490236.72, 3860035.12	3.10E-03	9.77E-07	4.15E-07	3.34E-03	1.05E-06	4.47E-07	5.27E-03	1.66E-06	7.05E-07
650	490286.72, 3860035.12	3.09E-03	9.74E-07	4.13E-07	3.33E-03	1.05E-06	4.46E-07	5.25E-03	1.66E-06	7.03E-07
651	490336.72, 3860035.12	3.08E-03	9.72E-07	4.13E-07	3.32E-03	1.05E-06	4.45E-07	5.24E-03	1.65E-06	7.01E-07
652	490386.72, 3860035.12	3.07E-03	9.70E-07	4.11E-07	3.31E-03	1.05E-06	4.44E-07	5.22E-03	1.65E-06	6.99E-07
653	490436.72, 3860035.12	3.07E-03	9.68E-07	4.11E-07	3.31E-03	1.04E-06	4.43E-07	5.22E-03	1.65E-06	6.99E-07
654	490486.72, 3860035.12	3.07E-03	9.68E-07	4.11E-07	3.31E-03	1.04E-06	4.43E-07	5.22E-03	1.65E-06	6.99E-07
655	490536.72, 3860035.12	3.07E-03	9.70E-07	4.12E-07	3.31E-03	1.05E-06	4.44E-07	5.23E-03	1.65E-06	7.00E-07
656	490586.72, 3860035.12	3.08E-03	9.73E-07	4.13E-07	3.32E-03	1.05E-06	4.45E-07	5.24E-03	1.65E-06	7.02E-07
657	490636.72, 3860035.12	3.09E-03	9.75E-07	4.14E-07	3.33E-03	1.05E-06	4.46E-07	5.25E-03	1.66E-06	7.03E-07
658	490686.72, 3860035.12	3.10E-03	9.79E-07	4.16E-07	3.35E-03	1.06E-06	4.48E-07	5.28E-03	1.67E-06	7.06E-07
659	490736.72, 3860035.12	3.13E-03	9.87E-07	4.19E-07	3.37E-03	1.06E-06	4.52E-07	5.32E-03	1.68E-06	7.12E-07
660	490786.72, 3860035.12	3.14E-03	9.91E-07	4.20E-07	3.39E-03	1.07E-06	4.53E-07	5.34E-03	1.69E-06	7.15E-07
661	490836.72, 3860035.12	3.15E-03	9.94E-07	4.22E-07	3.40E-03	1.07E-06	4.55E-07	5.36E-03	1.69E-06	7.18E-07
662	490086.72, 3860085.12	3.08E-03	9.71E-07	4.12E-07	3.32E-03	1.05E-06	4.44E-07	5.23E-03	1.65E-06	7.01E-07
663	490136.72, 3860085.12	3.05E-03	9.62E-07	4.08E-07	3.29E-03	1.04E-06	4.40E-07	5.18E-03	1.64E-06	6.94E-07
664	490186.72, 3860085.12	3.03E-03	9.57E-07	4.06E-07	3.27E-03	1.03E-06	4.38E-07	5.16E-03	1.63E-06	6.91E-07
665	490236.72, 3860085.12	3.02E-03	9.52E-07	4.04E-07	3.25E-03	1.03E-06	4.36E-07	5.13E-03	1.62E-06	6.87E-07
666	490286.72, 3860085.12	3.00E-03	9.48E-07	4.02E-07	3.24E-03	1.02E-06	4.34E-07	5.11E-03	1.61E-06	6.84E-07
667	490336.72, 3860085.12	2.99E-03	9.44E-07	4.00E-07	3.22E-03	1.02E-06	4.32E-07	5.09E-03	1.61E-06	6.81E-07

668	490386.72, 3860085.12	2.98E-03	9.41E-07	3.99E-07	3.21E-03	1.01E-06	4.30E-07	5.07E-03	1.60E-06	6.79E-07
669	490436.72, 3860085.12	2.97E-03	9.38E-07	3.98E-07	3.21E-03	1.01E-06	4.29E-07	5.06E-03	1.60E-06	6.77E-07
670	490486.72, 3860085.12	2.97E-03	9.37E-07	3.97E-07	3.20E-03	1.01E-06	4.29E-07	5.05E-03	1.59E-06	6.76E-07
671	490536.72, 3860085.12	2.97E-03	9.37E-07	3.98E-07	3.20E-03	1.01E-06	4.29E-07	5.05E-03	1.59E-06	6.76E-07
672	490586.72, 3860085.12	2.97E-03	9.38E-07	3.98E-07	3.21E-03	1.01E-06	4.29E-07	5.06E-03	1.60E-06	6.77E-07
673	490636.72, 3860085.12	2.98E-03	9.39E-07	3.99E-07	3.21E-03	1.01E-06	4.30E-07	5.06E-03	1.60E-06	6.78E-07
674	490686.72, 3860085.12	2.99E-03	9.42E-07	4.00E-07	3.22E-03	1.02E-06	4.31E-07	5.08E-03	1.60E-06	6.80E-07
675	490736.72, 3860085.12	3.00E-03	9.47E-07	4.02E-07	3.23E-03	1.02E-06	4.33E-07	5.10E-03	1.61E-06	6.83E-07
676	490786.72, 3860085.12	3.01E-03	9.51E-07	4.04E-07	3.25E-03	1.03E-06	4.35E-07	5.13E-03	1.62E-06	6.87E-07
677	490836.72, 3860085.12	3.02E-03	9.54E-07	4.05E-07	3.26E-03	1.03E-06	4.37E-07	5.14E-03	1.62E-06	6.89E-07
678	490086.72, 3860135.12	2.99E-03	9.45E-07	4.01E-07	3.23E-03	1.02E-06	4.32E-07	5.09E-03	1.61E-06	6.82E-07
679	490136.72, 3860135.12	2.98E-03	9.39E-07	3.98E-07	3.21E-03	1.01E-06	4.30E-07	5.06E-03	1.60E-06	6.78E-07
680	490186.72, 3860135.12	2.96E-03	9.34E-07	3.96E-07	3.19E-03	1.01E-06	4.27E-07	5.03E-03	1.59E-06	6.74E-07
681	490236.72, 3860135.12	2.94E-03	9.28E-07	3.94E-07	3.17E-03	1.00E-06	4.25E-07	5.00E-03	1.58E-06	6.70E-07
682	490286.72, 3860135.12	2.93E-03	9.23E-07	3.92E-07	3.15E-03	9.96E-07	4.22E-07	4.98E-03	1.57E-06	6.66E-07
683	490336.72, 3860135.12	2.91E-03	9.19E-07	3.90E-07	3.14E-03	9.91E-07	4.20E-07	4.95E-03	1.56E-06	6.63E-07
684	490386.72, 3860135.12	2.90E-03	9.15E-07	3.88E-07	3.13E-03	9.87E-07	4.19E-07	4.93E-03	1.56E-06	6.60E-07
685	490436.72, 3860135.12	2.89E-03	9.11E-07	3.87E-07	3.11E-03	9.83E-07	4.17E-07	4.91E-03	1.55E-06	6.58E-07
686	490486.72, 3860135.12	2.88E-03	9.09E-07	3.86E-07	3.11E-03	9.80E-07	4.16E-07	4.90E-03	1.55E-06	6.56E-07
687	490536.72, 3860135.12	2.88E-03	9.08E-07	3.85E-07	3.10E-03	9.79E-07	4.15E-07	4.89E-03	1.54E-06	6.55E-07
688	490586.72, 3860135.12	2.88E-03	9.07E-07	3.85E-07	3.10E-03	9.79E-07	4.15E-07	4.89E-03	1.54E-06	6.55E-07
689	490636.72, 3860135.12	2.88E-03	9.08E-07	3.85E-07	3.10E-03	9.79E-07	4.15E-07	4.89E-03	1.54E-06	6.55E-07
690	490686.72, 3860135.12	2.88E-03	9.08E-07	3.85E-07	3.10E-03	9.80E-07	4.16E-07	4.90E-03	1.55E-06	6.56E-07
691	490736.72, 3860135.12	2.89E-03	9.11E-07	3.86E-07	3.11E-03	9.82E-07	4.17E-07	4.91E-03	1.55E-06	6.57E-07
692	490786.72, 3860135.12	2.90E-03	9.14E-07	3.88E-07	3.12E-03	9.86E-07	4.18E-07	4.93E-03	1.56E-06	6.60E-07
693	490836.72, 3860135.12	2.90E-03	9.17E-07	3.89E-07	3.13E-03	9.89E-07	4.20E-07	4.94E-03	1.56E-06	6.62E-07
694	490086.72, 3860185.12	2.92E-03	9.23E-07	3.91E-07	3.15E-03	9.95E-07	4.22E-07	4.97E-03	1.57E-06	6.66E-07
695	490136.72, 3860185.12	2.91E-03	9.18E-07	3.89E-07	3.14E-03	9.90E-07	4.20E-07	4.95E-03	1.56E-06	6.63E-07
696	490186.72, 3860185.12	2.89E-03	9.13E-07	3.87E-07	3.12E-03	9.84E-07	4.18E-07	4.92E-03	1.55E-06	6.59E-07
697	490236.72, 3860185.12	2.87E-03	9.07E-07	3.85E-07	3.10E-03	9.78E-07	4.15E-07	4.89E-03	1.54E-06	6.55E-07
698	490286.72, 3860185.12	2.86E-03	9.01E-07	3.82E-07	3.08E-03	9.72E-07	4.12E-07	4.86E-03	1.53E-06	6.51E-07
699	490336.72, 3860185.12	2.84E-03	8.96E-07	3.80E-07	3.06E-03	9.66E-07	4.10E-07	4.83E-03	1.52E-06	6.47E-07
700	490386.72, 3860185.12	2.82E-03	8.91E-07	3.78E-07	3.05E-03	9.61E-07	4.08E-07	4.81E-03	1.52E-06	6.44E-07
701	490436.72, 3860185.12	2.81E-03	8.87E-07	3.76E-07	3.03E-03	9.57E-07	4.06E-07	4.78E-03	1.51E-06	6.41E-07
702	490486.72, 3860185.12	2.80E-03	8.84E-07	3.75E-07	3.02E-03	9.53E-07	4.04E-07	4.77E-03	1.50E-06	6.38E-07
703	490536.72, 3860185.12	2.79E-03	8.82E-07	3.74E-07	3.01E-03	9.51E-07	4.03E-07	4.75E-03	1.50E-06	6.37E-07
704	490586.72, 3860185.12	2.79E-03	8.81E-07	3.74E-07	3.01E-03	9.50E-07	4.03E-07	4.75E-03	1.50E-06	6.36E-07
705	490636.72, 3860185.12	2.79E-03	8.79E-07	3.73E-07	3.00E-03	9.48E-07	4.02E-07	4.74E-03	1.50E-06	6.35E-07
706	490686.72, 3860185.12	2.79E-03	8.80E-07	3.73E-07	3.01E-03	9.49E-07	4.02E-07	4.74E-03	1.50E-06	6.35E-07
707	490736.72, 3860185.12	2.79E-03	8.79E-07	3.73E-07	3.01E-03	9.48E-07	4.02E-07	4.74E-03	1.50E-06	6.35E-07
708	490786.72, 3860185.12	2.79E-03	8.81E-07	3.74E-07	3.01E-03	9.50E-07	4.03E-07	4.75E-03	1.50E-06	6.36E-07
709	490836.72, 3860185.12	2.80E-03	8.83E-07	3.75E-07	3.02E-03	9.53E-07	4.04E-07	4.76E-03	1.50E-06	6.38E-07
710	490086.72, 3860235.12	2.86E-03	9.03E-07	3.83E-07	3.08E-03	9.74E-07	4.13E-07	4.87E-03	1.54E-06	6.52E-07
711	490136.72, 3860235.12	2.84E-03	8.98E-07	3.81E-07	3.07E-03	9.68E-07	4.11E-07	4.84E-03	1.53E-06	6.48E-07
712	490186.72, 3860235.12	2.83E-03	8.92E-07	3.79E-07	3.05E-03	9.63E-07	4.08E-07	4.81E-03	1.52E-06	6.44E-07
713	490236.72, 3860235.12	2.81E-03	8.87E-07	3.76E-07	3.03E-03	9.56E-07	4.06E-07	4.78E-03	1.51E-06	6.40E-07
714	490286.72, 3860235.12	2.79E-03	8.81E-07	3.74E-07	3.01E-03	9.50E-07	4.03E-07	4.75E-03	1.50E-06	6.36E-07
715	490336.72, 3860235.12	2.77E-03	8.75E-07	3.71E-07	2.99E-03	9.44E-07	4.01E-07	4.72E-03	1.49E-06	6.32E-07
716	490386.72, 3860235.12	2.76E-03	8.70E-07	3.69E-07	2.97E-03	9.39E-07	3.98E-07	4.69E-03	1.48E-06	6.29E-07
717	490436.72, 3860235.12	2.74E-03	8.66E-07	3.67E-07	2.96E-03	9.34E-07	3.96E-07	4.67E-03	1.47E-06	6.25E-07
718	490486.72, 3860235.12	2.73E-03	8.62E-07	3.66E-07	2.94E-03	9.29E-07	3.94E-07	4.65E-03	1.47E-06	6.22E-07
719	490536.72, 3860235.12	2.72E-03	8.59E-07	3.64E-07	2.93E-03	9.26E-07	3.93E-07	4.63E-03	1.46E-06	6.20E-07
720	490586.72, 3860235.12	2.71E-03	8.56E-07	3.63E-07	2.93E-03	9.24E-07	3.92E-07	4.62E-03	1.46E-06	6.18E-07
721	490636.72, 3860235.12	2.71E-03	8.54E-07	3.63E-07	2.92E-03	9.22E-07	3.91E-07	4.61E-03	1.45E-06	6.17E-07
722	490686.72, 3860235.12	2.70E-03	8.53E-07	3.62E-07	2.92E-03	9.20E-07	3.91E-07	4.60E-03	1.45E-06	6.16E-07
723	490736.72, 3860235.12	2.70E-03	8.53E-07	3.62E-07	2.91E-03	9.20E-07	3.90E-07	4.60E-03	1.45E-06	6.16E-07
724	490786.72, 3860235.12	2.70E-03	8.53E-07	3.62E-07	2.91E-03	9.20E-07	3.90E-07	4.60E-03	1.45E-06	6.16E-07
725	490086.72, 3860285.12	2.80E-03	8.83E-07	3.75E-07	3.02E-03	9.52E-07	4.04E-07	4.76E-03	1.50E-06	6.38E-07
726	490136.72, 3860285.12	2.78E-03	8.79E-07	3.73E-07	3.00E-03	9.48E-07	4.02E-07	4.74E-03	1.50E-06	6.34E-07
727	490186.72, 3860285.12	2.77E-03	8.73E-07	3.70E-07	2.98E-03	9.42E-07	4.00E-07	4.71E-03	1.49E-06	6.31E-07
728	490236.72, 3860285.12	2.75E-03	8.68E-07	3.68E-07	2.97E-03	9.36E-07	3.97E-07	4.68E-03	1.48E-06	6.27E-07

729	490286.72, 3860285.12	2.73E-03	8.62E-07	3.66E-07	2.95E-03	9.30E-07	3.94E-07	4.65E-03	1.47E-06	6.23E-07
730	490336.72, 3860285.12	2.71E-03	8.56E-07	3.63E-07	2.93E-03	9.24E-07	3.92E-07	4.62E-03	1.46E-06	6.19E-07
731	490386.72, 3860285.12	2.70E-03	8.51E-07	3.61E-07	2.91E-03	9.18E-07	3.90E-07	4.59E-03	1.45E-06	6.15E-07
732	490436.72, 3860285.12	2.68E-03	8.46E-07	3.59E-07	2.89E-03	9.13E-07	3.87E-07	4.57E-03	1.44E-06	6.11E-07
733	490486.72, 3860285.12	2.67E-03	8.42E-07	3.57E-07	2.88E-03	9.08E-07	3.85E-07	4.54E-03	1.43E-06	6.08E-07
734	490536.72, 3860285.12	2.65E-03	8.37E-07	3.55E-07	2.86E-03	9.03E-07	3.83E-07	4.52E-03	1.43E-06	6.05E-07
735	490586.72, 3860285.12	2.64E-03	8.34E-07	3.54E-07	2.85E-03	8.99E-07	3.82E-07	4.50E-03	1.42E-06	6.02E-07
736	490636.72, 3860285.12	2.63E-03	8.31E-07	3.53E-07	2.84E-03	8.97E-07	3.80E-07	4.49E-03	1.42E-06	6.01E-07
737	490686.72, 3860285.12	2.63E-03	8.30E-07	3.52E-07	2.84E-03	8.95E-07	3.80E-07	4.48E-03	1.41E-06	6.00E-07
738	490736.72, 3860285.12	2.62E-03	8.28E-07	3.51E-07	2.83E-03	8.94E-07	3.79E-07	4.47E-03	1.41E-06	5.99E-07
739	490786.72, 3860285.12	2.62E-03	8.28E-07	3.51E-07	2.83E-03	8.93E-07	3.79E-07	4.47E-03	1.41E-06	5.98E-07
740	490086.72, 3860335.12	2.74E-03	8.64E-07	3.66E-07	2.95E-03	9.32E-07	3.95E-07	4.66E-03	1.47E-06	6.24E-07
741	490136.72, 3860335.12	2.72E-03	8.60E-07	3.65E-07	2.94E-03	9.28E-07	3.94E-07	4.64E-03	1.46E-06	6.21E-07
742	490186.72, 3860335.12	2.71E-03	8.55E-07	3.63E-07	2.92E-03	9.22E-07	3.91E-07	4.61E-03	1.46E-06	6.18E-07
743	490236.72, 3860335.12	2.69E-03	8.50E-07	3.61E-07	2.91E-03	9.17E-07	3.89E-07	4.59E-03	1.45E-06	6.14E-07
744	490286.72, 3860335.12	2.68E-03	8.45E-07	3.58E-07	2.89E-03	9.11E-07	3.86E-07	4.56E-03	1.44E-06	6.10E-07
745	490336.72, 3860335.12	2.66E-03	8.39E-07	3.56E-07	2.87E-03	9.05E-07	3.84E-07	4.52E-03	1.43E-06	6.06E-07
746	490386.72, 3860335.12	2.64E-03	8.33E-07	3.54E-07	2.85E-03	8.99E-07	3.81E-07	4.50E-03	1.42E-06	6.02E-07
747	490436.72, 3860335.12	2.62E-03	8.28E-07	3.51E-07	2.83E-03	8.93E-07	3.79E-07	4.47E-03	1.41E-06	5.98E-07
748	490486.72, 3860335.12	2.61E-03	8.23E-07	3.49E-07	2.81E-03	8.88E-07	3.77E-07	4.44E-03	1.40E-06	5.95E-07
749	490536.72, 3860335.12	2.59E-03	8.19E-07	3.47E-07	2.80E-03	8.83E-07	3.75E-07	4.42E-03	1.39E-06	5.92E-07
750	490586.72, 3860335.12	2.58E-03	8.15E-07	3.46E-07	2.78E-03	8.79E-07	3.73E-07	4.40E-03	1.39E-06	5.89E-07
751	490636.72, 3860335.12	2.57E-03	8.11E-07	3.44E-07	2.77E-03	8.75E-07	3.71E-07	4.38E-03	1.38E-06	5.86E-07
752	490686.72, 3860335.12	2.56E-03	8.09E-07	3.43E-07	2.76E-03	8.72E-07	3.70E-07	4.36E-03	1.38E-06	5.84E-07
753	490736.72, 3860335.12	2.56E-03	8.06E-07	3.42E-07	2.76E-03	8.70E-07	3.69E-07	4.35E-03	1.37E-06	5.83E-07
754	490786.72, 3860335.12	2.55E-03	8.06E-07	3.42E-07	2.75E-03	8.69E-07	3.69E-07	4.35E-03	1.37E-06	5.82E-07
755	490086.72, 3860385.12	2.68E-03	8.45E-07	3.59E-07	2.89E-03	9.11E-07	3.87E-07	4.56E-03	1.44E-06	6.10E-07
756	490136.72, 3860385.12	2.67E-03	8.42E-07	3.57E-07	2.88E-03	9.08E-07	3.85E-07	4.54E-03	1.43E-06	6.08E-07
757	490186.72, 3860385.12	2.65E-03	8.37E-07	3.55E-07	2.86E-03	9.03E-07	3.83E-07	4.52E-03	1.43E-06	6.05E-07
758	490236.72, 3860385.12	2.64E-03	8.33E-07	3.53E-07	2.85E-03	8.98E-07	3.81E-07	4.49E-03	1.42E-06	6.02E-07
759	490286.72, 3860385.12	2.62E-03	8.27E-07	3.51E-07	2.83E-03	8.92E-07	3.79E-07	4.46E-03	1.41E-06	5.98E-07
760	490336.72, 3860385.12	2.60E-03	8.22E-07	3.49E-07	2.81E-03	8.87E-07	3.76E-07	4.44E-03	1.40E-06	5.94E-07
761	490386.72, 3860385.12	2.59E-03	8.16E-07	3.46E-07	2.79E-03	8.81E-07	3.74E-07	4.41E-03	1.39E-06	5.90E-07
762	490436.72, 3860385.12	2.57E-03	8.11E-07	3.44E-07	2.77E-03	8.75E-07	3.71E-07	4.38E-03	1.38E-06	5.86E-07
763	490486.72, 3860385.12	2.55E-03	8.06E-07	3.42E-07	2.76E-03	8.70E-07	3.69E-07	4.35E-03	1.37E-06	5.83E-07
764	490536.72, 3860385.12	2.54E-03	8.02E-07	3.40E-07	2.74E-03	8.65E-07	3.67E-07	4.33E-03	1.37E-06	5.79E-07
765	490586.72, 3860385.12	2.53E-03	7.97E-07	3.38E-07	2.72E-03	8.60E-07	3.65E-07	4.30E-03	1.36E-06	5.76E-07
766	490636.72, 3860385.12	2.51E-03	7.93E-07	3.36E-07	2.71E-03	8.55E-07	3.63E-07	4.28E-03	1.35E-06	5.73E-07
767	490686.72, 3860385.12	2.50E-03	7.90E-07	3.35E-07	2.70E-03	8.52E-07	3.61E-07	4.26E-03	1.35E-06	5.71E-07
768	490736.72, 3860385.12	2.49E-03	7.87E-07	3.34E-07	2.69E-03	8.49E-07	3.60E-07	4.25E-03	1.34E-06	5.69E-07
769	490786.72, 3860385.12	2.49E-03	7.84E-07	3.33E-07	2.68E-03	8.46E-07	3.59E-07	4.23E-03	1.34E-06	5.67E-07
770	490136.72, 3860435.12	2.61E-03	8.23E-07	3.49E-07	2.81E-03	8.88E-07	3.77E-07	4.44E-03	1.40E-06	5.95E-07
771	490186.72, 3860435.12	2.60E-03	8.20E-07	3.48E-07	2.80E-03	8.84E-07	3.75E-07	4.42E-03	1.40E-06	5.93E-07
772	490236.72, 3860435.12	2.58E-03	8.16E-07	3.46E-07	2.79E-03	8.80E-07	3.73E-07	4.40E-03	1.39E-06	5.89E-07
773	490286.72, 3860435.12	2.57E-03	8.11E-07	3.44E-07	2.77E-03	8.75E-07	3.71E-07	4.38E-03	1.38E-06	5.86E-07
774	490336.72, 3860435.12	2.55E-03	8.05E-07	3.42E-07	2.75E-03	8.69E-07	3.69E-07	4.35E-03	1.37E-06	5.82E-07
775	490386.72, 3860435.12	2.54E-03	8.00E-07	3.40E-07	2.74E-03	8.63E-07	3.66E-07	4.32E-03	1.36E-06	5.78E-07
776	490436.72, 3860435.12	2.52E-03	7.95E-07	3.37E-07	2.72E-03	8.58E-07	3.64E-07	4.29E-03	1.35E-06	5.75E-07
777	490486.72, 3860435.12	2.50E-03	7.90E-07	3.35E-07	2.70E-03	8.52E-07	3.62E-07	4.26E-03	1.35E-06	5.71E-07
778	490536.72, 3860435.12	2.49E-03	7.85E-07	3.33E-07	2.68E-03	8.47E-07	3.59E-07	4.24E-03	1.34E-06	5.68E-07
779	490586.72, 3860435.12	2.47E-03	7.80E-07	3.31E-07	2.67E-03	8.42E-07	3.57E-07	4.21E-03	1.33E-06	5.64E-07
780	490636.72, 3860435.12	2.46E-03	7.76E-07	3.29E-07	2.65E-03	8.37E-07	3.55E-07	4.19E-03	1.32E-06	5.61E-07
781	490686.72, 3860435.12	2.45E-03	7.72E-07	3.28E-07	2.64E-03	8.33E-07	3.53E-07	4.17E-03	1.32E-06	5.58E-07
782	490736.72, 3860435.12	2.44E-03	7.69E-07	3.26E-07	2.63E-03	8.30E-07	3.52E-07	4.15E-03	1.31E-06	5.56E-07
783	490786.72, 3860435.12	2.43E-03	7.66E-07	3.25E-07	2.62E-03	8.26E-07	3.51E-07	4.14E-03	1.31E-06	5.54E-07
784	490136.72, 3860485.12	2.56E-03	8.06E-07	3.42E-07	2.76E-03	8.70E-07	3.69E-07	4.35E-03	1.37E-06	5.83E-07
785	490186.72, 3860485.12	2.54E-03	8.03E-07	3.41E-07	2.74E-03	8.66E-07	3.68E-07	4.33E-03	1.37E-06	5.80E-07
786	490236.72, 3860485.12	2.53E-03	7.99E-07	3.39E-07	2.73E-03	8.62E-07	3.66E-07	4.31E-03	1.36E-06	5.77E-07
787	490286.72, 3860485.12	2.52E-03	7.95E-07	3.37E-07	2.72E-03	8.57E-07	3.64E-07	4.29E-03	1.35E-06	5.75E-07
788	490336.72, 3860485.12	2.50E-03	7.90E-07	3.35E-07	2.70E-03	8.52E-07	3.61E-07	4.26E-03	1.35E-06	5.71E-07
789	490386.72, 3860485.12	2.49E-03	7.85E-07	3.33E-07	2.68E-03	8.47E-07	3.59E-07	4.24E-03	1.34E-06	5.68E-07

790	490436.72, 3860485.12	2.47E-03	7.81E-07	3.31E-07	2.67E-03	8.42E-07	3.57E-07	4.21E-03	1.33E-06	5.64E-07
791	490486.72, 3860485.12	2.46E-03	7.75E-07	3.29E-07	2.65E-03	8.36E-07	3.55E-07	4.19E-03	1.32E-06	5.60E-07
792	490536.72, 3860485.12	2.44E-03	7.70E-07	3.27E-07	2.63E-03	8.30E-07	3.52E-07	4.16E-03	1.31E-06	5.57E-07
793	490586.72, 3860485.12	2.42E-03	7.65E-07	3.25E-07	2.61E-03	8.25E-07	3.50E-07	4.13E-03	1.30E-06	5.53E-07
794	490636.72, 3860485.12	2.41E-03	7.61E-07	3.23E-07	2.60E-03	8.20E-07	3.48E-07	4.11E-03	1.30E-06	5.50E-07
795	490686.72, 3860485.12	2.40E-03	7.56E-07	3.21E-07	2.58E-03	8.15E-07	3.46E-07	4.08E-03	1.29E-06	5.47E-07
796	490736.72, 3860485.12	2.38E-03	7.52E-07	3.19E-07	2.57E-03	8.12E-07	3.44E-07	4.06E-03	1.28E-06	5.44E-07
797	490786.72, 3860485.12	2.37E-03	7.49E-07	3.18E-07	2.56E-03	8.08E-07	3.43E-07	4.04E-03	1.28E-06	5.42E-07
798	490136.72, 3860535.12	2.50E-03	7.89E-07	3.35E-07	2.70E-03	8.51E-07	3.61E-07	4.26E-03	1.34E-06	5.70E-07
799	490186.72, 3860535.12	2.50E-03	7.88E-07	3.34E-07	2.69E-03	8.50E-07	3.61E-07	4.25E-03	1.34E-06	5.69E-07
800	490236.72, 3860535.12	2.48E-03	7.83E-07	3.32E-07	2.68E-03	8.44E-07	3.58E-07	4.23E-03	1.33E-06	5.66E-07
801	490286.72, 3860535.12	2.47E-03	7.79E-07	3.30E-07	2.66E-03	8.40E-07	3.56E-07	4.20E-03	1.33E-06	5.63E-07
802	490336.72, 3860535.12	2.45E-03	7.75E-07	3.29E-07	2.65E-03	8.36E-07	3.55E-07	4.18E-03	1.32E-06	5.60E-07
803	490386.72, 3860535.12	2.44E-03	7.71E-07	3.27E-07	2.63E-03	8.31E-07	3.53E-07	4.16E-03	1.31E-06	5.57E-07
804	490436.72, 3860535.12	2.43E-03	7.67E-07	3.25E-07	2.62E-03	8.27E-07	3.51E-07	4.14E-03	1.31E-06	5.54E-07
805	490486.72, 3860535.12	2.41E-03	7.62E-07	3.23E-07	2.60E-03	8.22E-07	3.49E-07	4.11E-03	1.30E-06	5.51E-07
806	490536.72, 3860535.12	2.40E-03	7.58E-07	3.22E-07	2.59E-03	8.18E-07	3.47E-07	4.10E-03	1.29E-06	5.48E-07
807	490586.72, 3860535.12	2.38E-03	7.51E-07	3.19E-07	2.57E-03	8.10E-07	3.44E-07	4.06E-03	1.28E-06	5.43E-07
808	490636.72, 3860535.12	2.36E-03	7.46E-07	3.17E-07	2.55E-03	8.05E-07	3.41E-07	4.03E-03	1.27E-06	5.39E-07
809	490686.72, 3860535.12	2.35E-03	7.42E-07	3.15E-07	2.53E-03	8.00E-07	3.39E-07	4.00E-03	1.26E-06	5.36E-07
810	490736.72, 3860535.12	2.34E-03	7.37E-07	3.13E-07	2.52E-03	7.95E-07	3.37E-07	3.98E-03	1.26E-06	5.33E-07
811	490786.72, 3860535.12	2.32E-03	7.34E-07	3.11E-07	2.51E-03	7.91E-07	3.36E-07	3.96E-03	1.25E-06	5.31E-07
812	490136.72, 3860585.12	2.45E-03	7.73E-07	3.28E-07	2.64E-03	8.34E-07	3.54E-07	4.17E-03	1.32E-06	5.59E-07
813	490186.72, 3860585.12	2.43E-03	7.68E-07	3.26E-07	2.62E-03	8.28E-07	3.51E-07	4.14E-03	1.31E-06	5.55E-07
814	490236.72, 3860585.12	2.43E-03	7.66E-07	3.25E-07	2.62E-03	8.26E-07	3.51E-07	4.13E-03	1.30E-06	5.54E-07
815	490286.72, 3860585.12	2.42E-03	7.63E-07	3.24E-07	2.61E-03	8.23E-07	3.49E-07	4.12E-03	1.30E-06	5.52E-07
816	490336.72, 3860585.12	2.41E-03	7.60E-07	3.22E-07	2.60E-03	8.20E-07	3.48E-07	4.10E-03	1.29E-06	5.49E-07
817	490386.72, 3860585.12	2.39E-03	7.56E-07	3.21E-07	2.58E-03	8.15E-07	3.46E-07	4.08E-03	1.29E-06	5.46E-07
818	490436.72, 3860585.12	2.39E-03	7.53E-07	3.20E-07	2.58E-03	8.13E-07	3.45E-07	4.07E-03	1.28E-06	5.45E-07
819	490486.72, 3860585.12	2.38E-03	7.50E-07	3.18E-07	2.56E-03	8.10E-07	3.43E-07	4.05E-03	1.28E-06	5.43E-07
820	490536.72, 3860585.12	2.36E-03	7.45E-07	3.16E-07	2.55E-03	8.04E-07	3.41E-07	4.02E-03	1.27E-06	5.39E-07
821	490586.72, 3860585.12	2.34E-03	7.37E-07	3.13E-07	2.52E-03	7.95E-07	3.37E-07	3.98E-03	1.26E-06	5.33E-07
822	490636.72, 3860585.12	2.32E-03	7.32E-07	3.11E-07	2.50E-03	7.90E-07	3.35E-07	3.96E-03	1.25E-06	5.30E-07
823	490686.72, 3860585.12	2.31E-03	7.28E-07	3.09E-07	2.49E-03	7.85E-07	3.33E-07	3.93E-03	1.24E-06	5.26E-07
824	490736.72, 3860585.12	2.29E-03	7.23E-07	3.07E-07	2.47E-03	7.80E-07	3.31E-07	3.91E-03	1.23E-06	5.23E-07
825	490786.72, 3860585.12	2.28E-03	7.19E-07	3.05E-07	2.46E-03	7.76E-07	3.29E-07	3.88E-03	1.23E-06	5.20E-07
826	490136.72, 3860635.12	2.40E-03	7.59E-07	3.22E-07	2.59E-03	8.19E-07	3.47E-07	4.10E-03	1.29E-06	5.49E-07
827	490186.72, 3860635.12	2.39E-03	7.55E-07	3.20E-07	2.58E-03	8.14E-07	3.45E-07	4.07E-03	1.29E-06	5.46E-07
828	490236.72, 3860635.12	2.38E-03	7.50E-07	3.18E-07	2.56E-03	8.09E-07	3.43E-07	4.05E-03	1.28E-06	5.42E-07
829	490286.72, 3860635.12	2.37E-03	7.47E-07	3.17E-07	2.55E-03	8.06E-07	3.42E-07	4.04E-03	1.27E-06	5.40E-07
830	490336.72, 3860635.12	2.36E-03	7.45E-07	3.16E-07	2.55E-03	8.03E-07	3.41E-07	4.02E-03	1.27E-06	5.38E-07
831	490386.72, 3860635.12	2.35E-03	7.41E-07	3.15E-07	2.53E-03	8.00E-07	3.39E-07	4.00E-03	1.26E-06	5.36E-07
832	490436.72, 3860635.12	2.34E-03	7.38E-07	3.13E-07	2.52E-03	7.96E-07	3.38E-07	3.98E-03	1.26E-06	5.33E-07
833	490486.72, 3860635.12	2.32E-03	7.34E-07	3.11E-07	2.51E-03	7.91E-07	3.36E-07	3.96E-03	1.25E-06	5.31E-07
834	490536.72, 3860635.12	2.31E-03	7.30E-07	3.10E-07	2.50E-03	7.88E-07	3.34E-07	3.94E-03	1.24E-06	5.28E-07
835	490586.72, 3860635.12	2.30E-03	7.25E-07	3.07E-07	2.48E-03	7.82E-07	3.32E-07	3.91E-03	1.24E-06	5.24E-07
836	490636.72, 3860635.12	2.28E-03	7.20E-07	3.06E-07	2.46E-03	7.77E-07	3.30E-07	3.89E-03	1.23E-06	5.21E-07
837	490686.72, 3860635.12	2.27E-03	7.15E-07	3.03E-07	2.44E-03	7.71E-07	3.27E-07	3.86E-03	1.22E-06	5.17E-07
838	490736.72, 3860635.12	2.25E-03	7.10E-07	3.01E-07	2.43E-03	7.66E-07	3.25E-07	3.84E-03	1.21E-06	5.14E-07
839	490786.72, 3860635.12	2.24E-03	7.06E-07	2.99E-07	2.41E-03	7.61E-07	3.23E-07	3.81E-03	1.20E-06	5.11E-07
840	490136.72, 3860685.12	2.35E-03	7.41E-07	3.14E-07	2.53E-03	7.99E-07	3.39E-07	4.00E-03	1.26E-06	5.36E-07
841	490186.72, 3860685.12	2.35E-03	7.42E-07	3.15E-07	2.54E-03	8.01E-07	3.40E-07	4.01E-03	1.27E-06	5.37E-07
842	490236.72, 3860685.12	2.34E-03	7.37E-07	3.13E-07	2.52E-03	7.95E-07	3.38E-07	3.98E-03	1.26E-06	5.33E-07
843	490286.72, 3860685.12	2.32E-03	7.31E-07	3.10E-07	2.50E-03	7.89E-07	3.35E-07	3.95E-03	1.25E-06	5.29E-07
844	490336.72, 3860685.12	2.31E-03	7.30E-07	3.10E-07	2.50E-03	7.88E-07	3.34E-07	3.94E-03	1.24E-06	5.28E-07
845	490386.72, 3860685.12	2.30E-03	7.27E-07	3.09E-07	2.49E-03	7.85E-07	3.33E-07	3.93E-03	1.24E-06	5.26E-07
846	490436.72, 3860685.12	2.29E-03	7.23E-07	3.07E-07	2.47E-03	7.80E-07	3.31E-07	3.91E-03	1.23E-06	5.23E-07
847	490486.72, 3860685.12	2.28E-03	7.19E-07	3.05E-07	2.46E-03	7.76E-07	3.29E-07	3.88E-03	1.23E-06	5.20E-07
848	490536.72, 3860685.12	2.27E-03	7.15E-07	3.04E-07	2.45E-03	7.72E-07	3.27E-07	3.86E-03	1.22E-06	5.17E-07
849	490586.72, 3860685.12	2.25E-03	7.11E-07	3.02E-07	2.43E-03	7.67E-07	3.26E-07	3.84E-03	1.21E-06	5.15E-07
850	490636.72, 3860685.12	2.24E-03	7.07E-07	3.00E-07	2.42E-03	7.63E-07	3.24E-07	3.82E-03	1.21E-06	5.12E-07

851	490686.72, 3860685.12	2.23E-03	7.03E-07	2.98E-07	2.40E-03	7.59E-07	3.22E-07	3.80E-03	1.20E-06	5.09E-07
852	490736.72, 3860685.12	2.21E-03	6.99E-07	2.96E-07	2.39E-03	7.54E-07	3.20E-07	3.77E-03	1.19E-06	5.05E-07
853	490786.72, 3860685.12	2.20E-03	6.95E-07	2.95E-07	2.38E-03	7.50E-07	3.18E-07	3.75E-03	1.18E-06	5.03E-07
854	490136.72, 3860735.12	2.28E-03	7.20E-07	3.06E-07	2.46E-03	7.77E-07	3.30E-07	3.89E-03	1.23E-06	5.21E-07
855	490186.72, 3860735.12	2.28E-03	7.19E-07	3.05E-07	2.46E-03	7.75E-07	3.29E-07	3.88E-03	1.22E-06	5.20E-07
856	490236.72, 3860735.12	2.27E-03	7.18E-07	3.04E-07	2.45E-03	7.74E-07	3.28E-07	3.87E-03	1.22E-06	5.19E-07
857	490286.72, 3860735.12	2.27E-03	7.16E-07	3.04E-07	2.45E-03	7.73E-07	3.28E-07	3.87E-03	1.22E-06	5.18E-07
858	490336.72, 3860735.12	2.26E-03	7.14E-07	3.03E-07	2.44E-03	7.71E-07	3.27E-07	3.86E-03	1.22E-06	5.17E-07
859	490386.72, 3860735.12	2.26E-03	7.13E-07	3.02E-07	2.44E-03	7.69E-07	3.26E-07	3.85E-03	1.21E-06	5.15E-07
860	490436.72, 3860735.12	2.26E-03	7.12E-07	3.02E-07	2.43E-03	7.68E-07	3.26E-07	3.84E-03	1.21E-06	5.15E-07
861	490486.72, 3860735.12	2.24E-03	7.07E-07	3.00E-07	2.42E-03	7.63E-07	3.24E-07	3.82E-03	1.21E-06	5.12E-07
862	490536.72, 3860735.12	2.22E-03	7.02E-07	2.98E-07	2.40E-03	7.57E-07	3.21E-07	3.79E-03	1.20E-06	5.08E-07
863	490586.72, 3860735.12	2.21E-03	6.98E-07	2.96E-07	2.39E-03	7.53E-07	3.19E-07	3.77E-03	1.19E-06	5.05E-07
864	490636.72, 3860735.12	2.20E-03	6.94E-07	2.94E-07	2.37E-03	7.49E-07	3.18E-07	3.75E-03	1.18E-06	5.02E-07
865	490686.72, 3860735.12	2.19E-03	6.91E-07	2.93E-07	2.36E-03	7.45E-07	3.16E-07	3.73E-03	1.18E-06	5.00E-07
866	490736.72, 3860735.12	2.18E-03	6.87E-07	2.92E-07	2.35E-03	7.42E-07	3.15E-07	3.71E-03	1.17E-06	4.97E-07
867	490136.72, 3860785.12	2.22E-03	7.01E-07	2.98E-07	2.40E-03	7.56E-07	3.21E-07	3.78E-03	1.19E-06	5.07E-07
868	490186.72, 3860785.12	2.22E-03	7.01E-07	2.98E-07	2.40E-03	7.57E-07	3.21E-07	3.79E-03	1.19E-06	5.07E-07
869	490236.72, 3860785.12	2.22E-03	7.01E-07	2.97E-07	2.39E-03	7.56E-07	3.21E-07	3.78E-03	1.19E-06	5.06E-07
870	490286.72, 3860785.12	2.22E-03	7.00E-07	2.97E-07	2.39E-03	7.55E-07	3.20E-07	3.78E-03	1.19E-06	5.06E-07
871	490336.72, 3860785.12	2.21E-03	6.98E-07	2.96E-07	2.39E-03	7.53E-07	3.20E-07	3.77E-03	1.19E-06	5.05E-07
872	490386.72, 3860785.12	2.21E-03	6.98E-07	2.96E-07	2.39E-03	7.53E-07	3.19E-07	3.77E-03	1.19E-06	5.05E-07
873	490436.72, 3860785.12	2.20E-03	6.96E-07	2.95E-07	2.38E-03	7.50E-07	3.18E-07	3.76E-03	1.19E-06	5.03E-07
874	490486.72, 3860785.12	2.20E-03	6.94E-07	2.94E-07	2.37E-03	7.49E-07	3.18E-07	3.75E-03	1.18E-06	5.02E-07
875	490536.72, 3860785.12	2.19E-03	6.90E-07	2.93E-07	2.36E-03	7.45E-07	3.16E-07	3.73E-03	1.18E-06	4.99E-07
876	490586.72, 3860785.12	2.17E-03	6.85E-07	2.91E-07	2.34E-03	7.39E-07	3.14E-07	3.70E-03	1.17E-06	4.96E-07
877	490636.72, 3860785.12	2.16E-03	6.81E-07	2.89E-07	2.33E-03	7.35E-07	3.12E-07	3.68E-03	1.16E-06	4.93E-07
878	490686.72, 3860785.12	2.15E-03	6.78E-07	2.88E-07	2.32E-03	7.31E-07	3.10E-07	3.66E-03	1.16E-06	4.90E-07
879	490736.72, 3860785.12	2.14E-03	6.75E-07	2.86E-07	2.31E-03	7.28E-07	3.09E-07	3.65E-03	1.15E-06	4.88E-07
880	490086.72, 3860835.12	2.17E-03	6.84E-07	2.90E-07	2.34E-03	7.37E-07	3.13E-07	3.69E-03	1.16E-06	4.94E-07
881	490136.72, 3860835.12	2.17E-03	6.85E-07	2.91E-07	2.34E-03	7.39E-07	3.14E-07	3.70E-03	1.17E-06	4.95E-07
882	490186.72, 3860835.12	2.17E-03	6.85E-07	2.91E-07	2.34E-03	7.39E-07	3.13E-07	3.70E-03	1.17E-06	4.95E-07
883	490236.72, 3860835.12	2.17E-03	6.84E-07	2.90E-07	2.34E-03	7.38E-07	3.13E-07	3.69E-03	1.17E-06	4.95E-07
884	490286.72, 3860835.12	2.17E-03	6.84E-07	2.90E-07	2.34E-03	7.38E-07	3.13E-07	3.69E-03	1.17E-06	4.95E-07
885	490336.72, 3860835.12	2.16E-03	6.83E-07	2.90E-07	2.33E-03	7.37E-07	3.13E-07	3.69E-03	1.16E-06	4.94E-07
886	490386.72, 3860835.12	2.16E-03	6.82E-07	2.89E-07	2.33E-03	7.36E-07	3.12E-07	3.68E-03	1.16E-06	4.93E-07
887	490436.72, 3860835.12	2.16E-03	6.81E-07	2.89E-07	2.33E-03	7.35E-07	3.12E-07	3.68E-03	1.16E-06	4.93E-07
888	490486.72, 3860835.12	2.15E-03	6.79E-07	2.88E-07	2.32E-03	7.33E-07	3.11E-07	3.67E-03	1.16E-06	4.91E-07
889	490536.72, 3860835.12	2.14E-03	6.77E-07	2.87E-07	2.31E-03	7.30E-07	3.10E-07	3.66E-03	1.15E-06	4.90E-07
890	490586.72, 3860835.12	2.13E-03	6.73E-07	2.86E-07	2.30E-03	7.26E-07	3.08E-07	3.64E-03	1.15E-06	4.87E-07
891	490636.72, 3860835.12	2.12E-03	6.69E-07	2.84E-07	2.29E-03	7.22E-07	3.06E-07	3.62E-03	1.14E-06	4.84E-07
892	490686.72, 3860835.12	2.11E-03	6.66E-07	2.83E-07	2.28E-03	7.18E-07	3.05E-07	3.60E-03	1.14E-06	4.82E-07
893	490736.72, 3860835.12	2.10E-03	6.63E-07	2.81E-07	2.27E-03	7.15E-07	3.03E-07	3.58E-03	1.13E-06	4.80E-07
894	490086.72, 3860885.12	2.12E-03	6.68E-07	2.83E-07	2.28E-03	7.20E-07	3.06E-07	3.60E-03	1.14E-06	4.82E-07
895	490136.72, 3860885.12	2.12E-03	6.69E-07	2.84E-07	2.28E-03	7.21E-07	3.06E-07	3.61E-03	1.14E-06	4.83E-07
896	490186.72, 3860885.12	2.12E-03	6.69E-07	2.84E-07	2.29E-03	7.21E-07	3.06E-07	3.61E-03	1.14E-06	4.83E-07
897	490236.72, 3860885.12	2.12E-03	6.69E-07	2.84E-07	2.29E-03	7.22E-07	3.06E-07	3.61E-03	1.14E-06	4.83E-07
898	490286.72, 3860885.12	2.12E-03	6.69E-07	2.84E-07	2.29E-03	7.21E-07	3.06E-07	3.61E-03	1.14E-06	4.83E-07
899	490336.72, 3860885.12	2.12E-03	6.68E-07	2.83E-07	2.28E-03	7.20E-07	3.06E-07	3.61E-03	1.14E-06	4.83E-07
900	490386.72, 3860885.12	2.11E-03	6.68E-07	2.83E-07	2.28E-03	7.20E-07	3.06E-07	3.60E-03	1.14E-06	4.83E-07
901	490436.72, 3860885.12	2.11E-03	6.67E-07	2.83E-07	2.28E-03	7.19E-07	3.05E-07	3.60E-03	1.14E-06	4.82E-07
902	490486.72, 3860885.12	2.11E-03	6.66E-07	2.82E-07	2.27E-03	7.18E-07	3.05E-07	3.60E-03	1.13E-06	4.81E-07
903	490536.72, 3860885.12	2.10E-03	6.63E-07	2.81E-07	2.27E-03	7.16E-07	3.04E-07	3.58E-03	1.13E-06	4.80E-07
904	490586.72, 3860885.12	2.09E-03	6.61E-07	2.80E-07	2.26E-03	7.13E-07	3.02E-07	3.57E-03	1.13E-06	4.78E-07
905	490636.72, 3860885.12	2.08E-03	6.57E-07	2.79E-07	2.25E-03	7.09E-07	3.01E-07	3.55E-03	1.12E-06	4.76E-07
906	490686.72, 3860885.12	2.07E-03	6.54E-07	2.77E-07	2.24E-03	7.05E-07	2.99E-07	3.53E-03	1.12E-06	4.73E-07
907	490736.72, 3860885.12	2.06E-03	6.51E-07	2.76E-07	2.22E-03	7.02E-07	2.98E-07	3.52E-03	1.11E-06	4.71E-07
908	490086.72, 3860935.12	2.06E-03	6.51E-07	2.76E-07	2.22E-03	7.02E-07	2.98E-07	3.51E-03	1.11E-06	4.70E-07
909	490136.72, 3860935.12	2.06E-03	6.51E-07	2.76E-07	2.23E-03	7.03E-07	2.98E-07	3.51E-03	1.11E-06	4.71E-07
910	490186.72, 3860935.12	2.07E-03	6.53E-07	2.77E-07	2.23E-03	7.04E-07	2.99E-07	3.52E-03	1.11E-06	4.72E-07
911	490236.72, 3860935.12	2.07E-03	6.53E-07	2.77E-07	2.23E-03	7.05E-07	2.99E-07	3.53E-03	1.11E-06	4.72E-07

912	490286.72, 3860935.12	2.07E-03	6.54E-07	2.77E-07	2.23E-03	7.05E-07	2.99E-07	3.53E-03	1.11E-06	4.73E-07
913	490336.72, 3860935.12	2.07E-03	6.53E-07	2.77E-07	2.23E-03	7.05E-07	2.99E-07	3.53E-03	1.11E-06	4.72E-07
914	490386.72, 3860935.12	2.07E-03	6.53E-07	2.77E-07	2.23E-03	7.05E-07	2.99E-07	3.53E-03	1.11E-06	4.73E-07
915	490436.72, 3860935.12	2.07E-03	6.53E-07	2.77E-07	2.23E-03	7.05E-07	2.99E-07	3.53E-03	1.11E-06	4.72E-07
916	490486.72, 3860935.12	2.07E-03	6.52E-07	2.77E-07	2.23E-03	7.03E-07	2.98E-07	3.52E-03	1.11E-06	4.72E-07
917	490536.72, 3860935.12	2.06E-03	6.51E-07	2.76E-07	2.22E-03	7.02E-07	2.98E-07	3.51E-03	1.11E-06	4.71E-07
918	490586.72, 3860935.12	2.05E-03	6.48E-07	2.75E-07	2.22E-03	6.99E-07	2.97E-07	3.50E-03	1.11E-06	4.69E-07
919	490636.72, 3860935.12	2.04E-03	6.45E-07	2.74E-07	2.21E-03	6.96E-07	2.95E-07	3.49E-03	1.10E-06	4.67E-07
920	490686.72, 3860935.12	2.04E-03	6.43E-07	2.73E-07	2.20E-03	6.93E-07	2.94E-07	3.47E-03	1.10E-06	4.65E-07
921	490736.72, 3860935.12	2.03E-03	6.39E-07	2.71E-07	2.19E-03	6.90E-07	2.93E-07	3.46E-03	1.09E-06	4.63E-07
922	490786.72, 3860935.12	2.02E-03	6.36E-07	2.70E-07	2.17E-03	6.86E-07	2.91E-07	3.44E-03	1.09E-06	4.61E-07
923	490836.72, 3860935.12	2.01E-03	6.34E-07	2.69E-07	2.17E-03	6.84E-07	2.90E-07	3.43E-03	1.08E-06	4.59E-07
924	490086.72, 3860985.12	2.01E-03	6.36E-07	2.70E-07	2.17E-03	6.85E-07	2.91E-07	3.43E-03	1.08E-06	4.59E-07
925	490136.72, 3860985.12	2.02E-03	6.37E-07	2.70E-07	2.18E-03	6.87E-07	2.91E-07	3.43E-03	1.08E-06	4.60E-07
926	490186.72, 3860985.12	2.02E-03	6.38E-07	2.71E-07	2.18E-03	6.88E-07	2.92E-07	3.44E-03	1.09E-06	4.61E-07
927	490236.72, 3860985.12	2.02E-03	6.38E-07	2.71E-07	2.18E-03	6.88E-07	2.92E-07	3.44E-03	1.09E-06	4.61E-07
928	490286.72, 3860985.12	2.02E-03	6.39E-07	2.71E-07	2.18E-03	6.89E-07	2.92E-07	3.45E-03	1.09E-06	4.62E-07
929	490336.72, 3860985.12	2.02E-03	6.39E-07	2.71E-07	2.18E-03	6.89E-07	2.92E-07	3.45E-03	1.09E-06	4.62E-07
930	490386.72, 3860985.12	2.02E-03	6.39E-07	2.71E-07	2.18E-03	6.89E-07	2.92E-07	3.45E-03	1.09E-06	4.62E-07
931	490436.72, 3860985.12	2.03E-03	6.40E-07	2.71E-07	2.19E-03	6.90E-07	2.93E-07	3.45E-03	1.09E-06	4.63E-07
932	490486.72, 3860985.12	2.02E-03	6.39E-07	2.71E-07	2.18E-03	6.89E-07	2.92E-07	3.45E-03	1.09E-06	4.62E-07
933	490536.72, 3860985.12	2.02E-03	6.37E-07	2.70E-07	2.18E-03	6.87E-07	2.92E-07	3.44E-03	1.09E-06	4.61E-07
934	490586.72, 3860985.12	2.01E-03	6.36E-07	2.70E-07	2.17E-03	6.86E-07	2.91E-07	3.43E-03	1.08E-06	4.60E-07
935	490636.72, 3860985.12	2.01E-03	6.34E-07	2.69E-07	2.17E-03	6.84E-07	2.90E-07	3.43E-03	1.08E-06	4.59E-07
936	490686.72, 3860985.12	2.00E-03	6.31E-07	2.68E-07	2.16E-03	6.81E-07	2.89E-07	3.41E-03	1.08E-06	4.57E-07
937	490736.72, 3860985.12	1.99E-03	6.28E-07	2.67E-07	2.15E-03	6.78E-07	2.88E-07	3.40E-03	1.07E-06	4.55E-07
938	490786.72, 3860985.12	1.98E-03	6.25E-07	2.65E-07	2.14E-03	6.75E-07	2.86E-07	3.38E-03	1.07E-06	4.53E-07
939	490836.72, 3860985.12	1.97E-03	6.23E-07	2.64E-07	2.13E-03	6.72E-07	2.85E-07	3.37E-03	1.06E-06	4.51E-07
940	490086.72, 3861035.12	1.97E-03	6.20E-07	2.63E-07	2.12E-03	6.69E-07	2.84E-07	3.35E-03	1.06E-06	4.48E-07
941	490136.72, 3861035.12	1.97E-03	6.22E-07	2.64E-07	2.12E-03	6.70E-07	2.84E-07	3.35E-03	1.06E-06	4.49E-07
942	490186.72, 3861035.12	1.97E-03	6.23E-07	2.64E-07	2.13E-03	6.71E-07	2.85E-07	3.36E-03	1.06E-06	4.50E-07
943	490236.72, 3861035.12	1.98E-03	6.24E-07	2.65E-07	2.13E-03	6.73E-07	2.85E-07	3.37E-03	1.06E-06	4.51E-07
944	490286.72, 3861035.12	1.98E-03	6.24E-07	2.65E-07	2.13E-03	6.73E-07	2.86E-07	3.37E-03	1.06E-06	4.51E-07
945	490336.72, 3861035.12	1.98E-03	6.24E-07	2.65E-07	2.13E-03	6.73E-07	2.86E-07	3.37E-03	1.06E-06	4.51E-07
946	490386.72, 3861035.12	1.98E-03	6.25E-07	2.65E-07	2.14E-03	6.75E-07	2.86E-07	3.38E-03	1.07E-06	4.52E-07
947	490436.72, 3861035.12	1.98E-03	6.26E-07	2.66E-07	2.14E-03	6.75E-07	2.87E-07	3.38E-03	1.07E-06	4.53E-07
948	490486.72, 3861035.12	1.98E-03	6.26E-07	2.65E-07	2.14E-03	6.75E-07	2.86E-07	3.38E-03	1.07E-06	4.53E-07
949	490536.72, 3861035.12	1.98E-03	6.25E-07	2.65E-07	2.14E-03	6.74E-07	2.86E-07	3.38E-03	1.07E-06	4.52E-07
950	490586.72, 3861035.12	1.98E-03	6.23E-07	2.65E-07	2.13E-03	6.73E-07	2.85E-07	3.37E-03	1.06E-06	4.51E-07
951	490636.72, 3861035.12	1.97E-03	6.22E-07	2.64E-07	2.12E-03	6.71E-07	2.85E-07	3.36E-03	1.06E-06	4.50E-07
952	490686.72, 3861035.12	1.96E-03	6.20E-07	2.63E-07	2.12E-03	6.68E-07	2.84E-07	3.35E-03	1.06E-06	4.48E-07
953	490736.72, 3861035.12	1.96E-03	6.17E-07	2.62E-07	2.11E-03	6.66E-07	2.82E-07	3.34E-03	1.05E-06	4.47E-07
954	490786.72, 3861035.12	1.95E-03	6.15E-07	2.61E-07	2.10E-03	6.63E-07	2.81E-07	3.32E-03	1.05E-06	4.45E-07
955	490836.72, 3861035.12	1.94E-03	6.12E-07	2.60E-07	2.09E-03	6.61E-07	2.80E-07	3.31E-03	1.04E-06	4.43E-07
956	490086.72, 3861085.12	1.92E-03	6.06E-07	2.57E-07	2.07E-03	6.53E-07	2.77E-07	3.27E-03	1.03E-06	4.37E-07
957	490136.72, 3861085.12	1.93E-03	6.08E-07	2.58E-07	2.08E-03	6.55E-07	2.78E-07	3.28E-03	1.03E-06	4.39E-07
958	490186.72, 3861085.12	1.93E-03	6.10E-07	2.59E-07	2.08E-03	6.57E-07	2.79E-07	3.29E-03	1.04E-06	4.40E-07
959	490236.72, 3861085.12	1.93E-03	6.10E-07	2.59E-07	2.08E-03	6.58E-07	2.79E-07	3.29E-03	1.04E-06	4.41E-07
960	490286.72, 3861085.12	1.93E-03	6.10E-07	2.59E-07	2.09E-03	6.58E-07	2.79E-07	3.29E-03	1.04E-06	4.41E-07
961	490336.72, 3861085.12	1.94E-03	6.11E-07	2.59E-07	2.09E-03	6.59E-07	2.80E-07	3.30E-03	1.04E-06	4.41E-07
962	490386.72, 3861085.12	1.94E-03	6.12E-07	2.60E-07	2.09E-03	6.60E-07	2.80E-07	3.30E-03	1.04E-06	4.42E-07
963	490436.72, 3861085.12	1.94E-03	6.12E-07	2.60E-07	2.09E-03	6.60E-07	2.80E-07	3.31E-03	1.04E-06	4.43E-07
964	490486.72, 3861085.12	1.94E-03	6.12E-07	2.60E-07	2.09E-03	6.61E-07	2.80E-07	3.31E-03	1.04E-06	4.43E-07
965	490536.72, 3861085.12	1.94E-03	6.13E-07	2.60E-07	2.09E-03	6.61E-07	2.80E-07	3.31E-03	1.04E-06	4.43E-07
966	490586.72, 3861085.12	1.94E-03	6.11E-07	2.59E-07	2.09E-03	6.60E-07	2.80E-07	3.30E-03	1.04E-06	4.42E-07
967	490636.72, 3861085.12	1.93E-03	6.10E-07	2.59E-07	2.08E-03	6.58E-07	2.79E-07	3.29E-03	1.04E-06	4.41E-07
968	490686.72, 3861085.12	1.93E-03	6.08E-07	2.58E-07	2.08E-03	6.56E-07	2.78E-07	3.29E-03	1.04E-06	4.40E-07
969	490736.72, 3861085.12	1.92E-03	6.06E-07	2.57E-07	2.07E-03	6.54E-07	2.77E-07	3.28E-03	1.03E-06	4.39E-07
970	490786.72, 3861085.12	1.91E-03	6.04E-07	2.56E-07	2.07E-03	6.52E-07	2.77E-07	3.27E-03	1.03E-06	4.37E-07
971	490836.72, 3861085.12	1.91E-03	6.02E-07	2.55E-07	2.06E-03	6.49E-07	2.75E-07	3.25E-03	1.03E-06	4.36E-07
972	490086.72, 3861135.12	1.87E-03	5.91E-07	2.51E-07	2.02E-03	6.38E-07	2.71E-07	3.19E-03	1.01E-06	4.27E-07

973	490136.72, 3861135.12	1.88E-03	5.93E-07	2.52E-07	2.03E-03	6.40E-07	2.71E-07	3.20E-03	1.01E-06	4.28E-07
974	490186.72, 3861135.12	1.89E-03	5.95E-07	2.52E-07	2.03E-03	6.42E-07	2.72E-07	3.21E-03	1.01E-06	4.30E-07
975	490236.72, 3861135.12	1.89E-03	5.96E-07	2.53E-07	2.04E-03	6.43E-07	2.73E-07	3.22E-03	1.02E-06	4.31E-07
976	490286.72, 3861135.12	1.89E-03	5.97E-07	2.53E-07	2.04E-03	6.44E-07	2.73E-07	3.22E-03	1.02E-06	4.32E-07
977	490336.72, 3861135.12	1.89E-03	5.98E-07	2.54E-07	2.04E-03	6.45E-07	2.74E-07	3.23E-03	1.02E-06	4.32E-07
978	490386.72, 3861135.12	1.90E-03	5.99E-07	2.54E-07	2.05E-03	6.46E-07	2.74E-07	3.23E-03	1.02E-06	4.33E-07
979	490436.72, 3861135.12	1.90E-03	5.99E-07	2.54E-07	2.05E-03	6.46E-07	2.74E-07	3.23E-03	1.02E-06	4.33E-07
980	490486.72, 3861135.12	1.90E-03	6.00E-07	2.54E-07	2.05E-03	6.47E-07	2.74E-07	3.24E-03	1.02E-06	4.34E-07
981	490536.72, 3861135.12	1.90E-03	6.00E-07	2.54E-07	2.05E-03	6.47E-07	2.74E-07	3.24E-03	1.02E-06	4.34E-07
982	490586.72, 3861135.12	1.90E-03	5.99E-07	2.54E-07	2.05E-03	6.46E-07	2.74E-07	3.24E-03	1.02E-06	4.33E-07
983	490636.72, 3861135.12	1.89E-03	5.98E-07	2.54E-07	2.04E-03	6.45E-07	2.74E-07	3.23E-03	1.02E-06	4.33E-07
984	490686.72, 3861135.12	1.89E-03	5.97E-07	2.53E-07	2.04E-03	6.44E-07	2.73E-07	3.22E-03	1.02E-06	4.32E-07
985	490736.72, 3861135.12	1.89E-03	5.95E-07	2.53E-07	2.04E-03	6.42E-07	2.73E-07	3.22E-03	1.02E-06	4.31E-07
986	490786.72, 3861135.12	1.88E-03	5.94E-07	2.52E-07	2.03E-03	6.41E-07	2.72E-07	3.21E-03	1.01E-06	4.30E-07
987	490836.72, 3861135.12	1.87E-03	5.92E-07	2.51E-07	2.02E-03	6.38E-07	2.71E-07	3.20E-03	1.01E-06	4.28E-07
988	490086.72, 3861185.12	1.83E-03	5.78E-07	2.45E-07	1.97E-03	6.23E-07	2.64E-07	3.11E-03	9.83E-07	4.17E-07
989	490136.72, 3861185.12	1.83E-03	5.79E-07	2.45E-07	1.98E-03	6.24E-07	2.65E-07	3.12E-03	9.85E-07	4.18E-07
990	490186.72, 3861185.12	1.84E-03	5.80E-07	2.46E-07	1.98E-03	6.26E-07	2.65E-07	3.13E-03	9.88E-07	4.19E-07
991	490236.72, 3861185.12	1.84E-03	5.82E-07	2.47E-07	1.99E-03	6.28E-07	2.66E-07	3.14E-03	9.91E-07	4.20E-07
992	490286.72, 3861185.12	1.85E-03	5.84E-07	2.48E-07	1.99E-03	6.30E-07	2.67E-07	3.15E-03	9.94E-07	4.22E-07
993	490336.72, 3861185.12	1.85E-03	5.84E-07	2.48E-07	1.99E-03	6.30E-07	2.67E-07	3.15E-03	9.94E-07	4.22E-07
994	490386.72, 3861185.12	1.85E-03	5.85E-07	2.48E-07	2.00E-03	6.31E-07	2.68E-07	3.16E-03	9.96E-07	4.23E-07
995	490436.72, 3861185.12	1.86E-03	5.86E-07	2.49E-07	2.00E-03	6.32E-07	2.68E-07	3.16E-03	9.99E-07	4.24E-07
996	490486.72, 3861185.12	1.86E-03	5.87E-07	2.49E-07	2.00E-03	6.33E-07	2.68E-07	3.17E-03	1.00E-06	4.24E-07
997	490536.72, 3861185.12	1.86E-03	5.88E-07	2.49E-07	2.01E-03	6.34E-07	2.69E-07	3.18E-03	1.00E-06	4.25E-07
998	490586.72, 3861185.12	1.86E-03	5.87E-07	2.49E-07	2.01E-03	6.34E-07	2.69E-07	3.17E-03	1.00E-06	4.25E-07
999	490636.72, 3861185.12	1.86E-03	5.86E-07	2.49E-07	2.00E-03	6.32E-07	2.68E-07	3.17E-03	9.99E-07	4.24E-07
1000	490686.72, 3861185.12	1.85E-03	5.85E-07	2.48E-07	2.00E-03	6.31E-07	2.68E-07	3.16E-03	9.98E-07	4.23E-07
1001	490736.72, 3861185.12	1.85E-03	5.85E-07	2.48E-07	2.00E-03	6.31E-07	2.68E-07	3.16E-03	9.97E-07	4.23E-07
1002	490786.72, 3861185.12	1.85E-03	5.84E-07	2.48E-07	1.99E-03	6.30E-07	2.67E-07	3.15E-03	9.96E-07	4.22E-07
1003	490836.72, 3861185.12	1.84E-03	5.82E-07	2.47E-07	1.99E-03	6.28E-07	2.66E-07	3.15E-03	9.93E-07	4.21E-07
1004	490086.72, 3861235.12	1.79E-03	5.64E-07	2.39E-07	1.93E-03	6.09E-07	2.58E-07	3.04E-03	9.60E-07	4.07E-07
1005	490136.72, 3861235.12	1.79E-03	5.65E-07	2.40E-07	1.93E-03	6.10E-07	2.59E-07	3.05E-03	9.62E-07	4.08E-07
1006	490186.72, 3861235.12	1.80E-03	5.67E-07	2.41E-07	1.94E-03	6.11E-07	2.59E-07	3.06E-03	9.65E-07	4.09E-07
1007	490236.72, 3861235.12	1.80E-03	5.68E-07	2.41E-07	1.94E-03	6.12E-07	2.60E-07	3.06E-03	9.67E-07	4.10E-07
1008	490386.72, 3861235.12	1.81E-03	5.71E-07	2.42E-07	1.95E-03	6.16E-07	2.61E-07	3.08E-03	9.73E-07	4.13E-07
1009	490436.72, 3861235.12	1.81E-03	5.72E-07	2.43E-07	1.95E-03	6.17E-07	2.62E-07	3.09E-03	9.74E-07	4.13E-07
1010	490486.72, 3861235.12	1.81E-03	5.73E-07	2.43E-07	1.96E-03	6.18E-07	2.62E-07	3.09E-03	9.76E-07	4.14E-07
1011	490536.72, 3861235.12	1.82E-03	5.75E-07	2.44E-07	1.96E-03	6.20E-07	2.63E-07	3.11E-03	9.80E-07	4.16E-07
1012	490586.72, 3861235.12	1.83E-03	5.76E-07	2.44E-07	1.97E-03	6.21E-07	2.64E-07	3.11E-03	9.82E-07	4.17E-07
1013	490636.72, 3861235.12	1.82E-03	5.74E-07	2.44E-07	1.96E-03	6.19E-07	2.63E-07	3.10E-03	9.79E-07	4.15E-07
1014	490686.72, 3861235.12	1.82E-03	5.74E-07	2.43E-07	1.96E-03	6.19E-07	2.63E-07	3.10E-03	9.78E-07	4.15E-07
1015	490736.72, 3861235.12	1.82E-03	5.74E-07	2.43E-07	1.96E-03	6.19E-07	2.63E-07	3.10E-03	9.78E-07	4.15E-07
1016	490786.72, 3861235.12	1.82E-03	5.73E-07	2.43E-07	1.96E-03	6.18E-07	2.62E-07	3.10E-03	9.78E-07	4.15E-07
1017	490836.72, 3861235.12	1.81E-03	5.72E-07	2.43E-07	1.96E-03	6.17E-07	2.62E-07	3.09E-03	9.76E-07	4.14E-07
1018	490086.72, 3861285.12	1.75E-03	5.52E-07	2.34E-07	1.89E-03	5.95E-07	2.53E-07	2.98E-03	9.39E-07	3.99E-07
1019	490136.72, 3861285.12	1.76E-03	5.54E-07	2.35E-07	1.89E-03	5.98E-07	2.54E-07	2.99E-03	9.43E-07	4.00E-07
1020	490186.72, 3861285.12	1.76E-03	5.54E-07	2.35E-07	1.89E-03	5.98E-07	2.54E-07	2.99E-03	9.44E-07	4.00E-07
1021	490236.72, 3861285.12	1.76E-03	5.55E-07	2.36E-07	1.90E-03	5.99E-07	2.54E-07	3.00E-03	9.45E-07	4.01E-07
1022	490386.72, 3861285.12	1.77E-03	5.59E-07	2.37E-07	1.91E-03	6.03E-07	2.56E-07	3.01E-03	9.51E-07	4.04E-07
1023	490436.72, 3861285.12	1.77E-03	5.60E-07	2.38E-07	1.91E-03	6.04E-07	2.56E-07	3.02E-03	9.54E-07	4.05E-07
1024	490486.72, 3861285.12	1.78E-03	5.60E-07	2.38E-07	1.92E-03	6.05E-07	2.57E-07	3.03E-03	9.55E-07	4.05E-07
1025	490536.72, 3861285.12	1.78E-03	5.61E-07	2.38E-07	1.92E-03	6.06E-07	2.57E-07	3.03E-03	9.57E-07	4.06E-07
1026	490586.72, 3861285.12	1.78E-03	5.62E-07	2.39E-07	1.92E-03	6.07E-07	2.57E-07	3.04E-03	9.59E-07	4.07E-07
1027	490636.72, 3861285.12	1.78E-03	5.62E-07	2.38E-07	1.92E-03	6.06E-07	2.57E-07	3.04E-03	9.58E-07	4.06E-07
1028	490686.72, 3861285.12	1.78E-03	5.62E-07	2.38E-07	1.92E-03	6.06E-07	2.57E-07	3.04E-03	9.58E-07	4.07E-07
1029	490736.72, 3861285.12	1.78E-03	5.63E-07	2.39E-07	1.92E-03	6.07E-07	2.58E-07	3.04E-03	9.60E-07	4.07E-07
1030	490786.72, 3861285.12	1.78E-03	5.62E-07	2.39E-07	1.92E-03	6.07E-07	2.57E-07	3.04E-03	9.60E-07	4.07E-07
1031	490836.72, 3861285.12	1.78E-03	5.61E-07	2.38E-07	1.92E-03	6.05E-07	2.57E-07	3.03E-03	9.58E-07	4.06E-07
1032	490061.24, 3859716.13	3.88E-03	1.22E-06	5.20E-07	4.18E-03	1.32E-06	5.60E-07	6.57E-03	2.07E-06	8.80E-07
1033	490111.24, 3859716.13	3.89E-03	1.23E-06	5.21E-07	4.19E-03	1.32E-06	5.61E-07	6.59E-03	2.08E-06	8.82E-07

1034	490161.24, 3859716.13	3.90E-03	1.23E-06	5.22E-07	4.20E-03	1.33E-06	5.63E-07	6.60E-03	2.08E-06	8.84E-07
1035	490211.24, 3859716.13	3.91E-03	1.23E-06	5.23E-07	4.21E-03	1.33E-06	5.64E-07	6.62E-03	2.09E-06	8.86E-07
1036	490061.24, 3859766.13	3.73E-03	1.18E-06	4.99E-07	4.02E-03	1.27E-06	5.38E-07	6.32E-03	1.99E-06	8.46E-07
1037	490111.24, 3859766.13	3.73E-03	1.18E-06	4.99E-07	4.02E-03	1.27E-06	5.38E-07	6.32E-03	1.99E-06	8.46E-07
1038	490161.24, 3859766.13	3.73E-03	1.18E-06	5.00E-07	4.02E-03	1.27E-06	5.39E-07	6.33E-03	2.00E-06	8.47E-07
1039	490211.24, 3859766.13	3.74E-03	1.18E-06	5.01E-07	4.03E-03	1.27E-06	5.40E-07	6.34E-03	2.00E-06	8.49E-07
1040	490061.24, 3859816.13	3.59E-03	1.13E-06	4.81E-07	3.87E-03	1.22E-06	5.18E-07	6.09E-03	1.92E-06	8.15E-07
1041	490111.24, 3859816.13	3.58E-03	1.13E-06	4.80E-07	3.86E-03	1.22E-06	5.18E-07	6.08E-03	1.92E-06	8.14E-07
1042	490161.24, 3859816.13	3.59E-03	1.13E-06	4.80E-07	3.87E-03	1.22E-06	5.18E-07	6.08E-03	1.92E-06	8.15E-07
1043	490211.24, 3859816.13	3.59E-03	1.13E-06	4.81E-07	3.87E-03	1.22E-06	5.18E-07	6.09E-03	1.92E-06	8.15E-07
1044	490061.24, 3859866.13	3.47E-03	1.09E-06	4.64E-07	3.74E-03	1.18E-06	5.01E-07	5.89E-03	1.86E-06	7.88E-07
1045	490111.24, 3859866.13	3.46E-03	1.09E-06	4.63E-07	3.73E-03	1.18E-06	5.00E-07	5.87E-03	1.85E-06	7.86E-07
1046	490161.24, 3859866.13	3.46E-03	1.09E-06	4.63E-07	3.73E-03	1.18E-06	4.99E-07	5.87E-03	1.85E-06	7.86E-07
1047	490211.24, 3859866.13	3.46E-03	1.09E-06	4.63E-07	3.73E-03	1.18E-06	4.99E-07	5.87E-03	1.85E-06	7.85E-07
1048	490061.24, 3859916.13	3.36E-03	1.06E-06	4.50E-07	3.62E-03	1.14E-06	4.85E-07	5.71E-03	1.80E-06	7.64E-07
1049	490111.24, 3859916.13	3.35E-03	1.06E-06	4.48E-07	3.61E-03	1.14E-06	4.84E-07	5.69E-03	1.80E-06	7.62E-07
1050	490161.24, 3859916.13	3.34E-03	1.05E-06	4.47E-07	3.60E-03	1.14E-06	4.82E-07	5.67E-03	1.79E-06	7.60E-07
1051	490211.24, 3859916.13	3.33E-03	1.05E-06	4.47E-07	3.60E-03	1.13E-06	4.81E-07	5.66E-03	1.79E-06	7.58E-07
1052	490229.25, 3859815.26	3.60E-03	1.13E-06	4.81E-07	3.88E-03	1.22E-06	5.19E-07	6.10E-03	1.92E-06	8.17E-07
1053	490279.25, 3859815.26	3.60E-03	1.14E-06	4.82E-07	3.88E-03	1.23E-06	5.20E-07	6.11E-03	1.93E-06	8.18E-07
1054	490329.25, 3859815.26	3.61E-03	1.14E-06	4.83E-07	3.89E-03	1.23E-06	5.21E-07	6.12E-03	1.93E-06	8.19E-07
1055	490379.25, 3859815.26	3.62E-03	1.14E-06	4.85E-07	3.91E-03	1.23E-06	5.23E-07	6.14E-03	1.94E-06	8.23E-07
1056	490429.25, 3859815.26	3.64E-03	1.15E-06	4.88E-07	3.93E-03	1.24E-06	5.26E-07	6.18E-03	1.95E-06	8.27E-07
1057	490229.25, 3859865.26	3.46E-03	1.09E-06	4.63E-07	3.73E-03	1.18E-06	4.99E-07	5.87E-03	1.85E-06	7.86E-07
1058	490279.25, 3859865.26	3.46E-03	1.09E-06	4.63E-07	3.73E-03	1.18E-06	5.00E-07	5.87E-03	1.85E-06	7.87E-07
1059	490329.25, 3859865.26	3.47E-03	1.09E-06	4.64E-07	3.74E-03	1.18E-06	5.00E-07	5.88E-03	1.86E-06	7.88E-07
1060	490379.25, 3859865.26	3.47E-03	1.10E-06	4.65E-07	3.75E-03	1.18E-06	5.02E-07	5.90E-03	1.86E-06	7.90E-07
1061	490429.25, 3859865.26	3.49E-03	1.10E-06	4.67E-07	3.76E-03	1.19E-06	5.03E-07	5.92E-03	1.87E-06	7.92E-07
1062	490229.25, 3859915.26	3.34E-03	1.05E-06	4.47E-07	3.60E-03	1.14E-06	4.82E-07	5.67E-03	1.79E-06	7.59E-07
1063	490279.25, 3859915.26	3.33E-03	1.05E-06	4.46E-07	3.59E-03	1.13E-06	4.81E-07	5.66E-03	1.79E-06	7.58E-07
1064	490329.25, 3859915.26	3.33E-03	1.05E-06	4.47E-07	3.60E-03	1.13E-06	4.81E-07	5.66E-03	1.79E-06	7.58E-07
1065	490379.25, 3859915.26	3.34E-03	1.05E-06	4.47E-07	3.60E-03	1.14E-06	4.82E-07	5.67E-03	1.79E-06	7.59E-07
1066	490429.25, 3859915.26	3.35E-03	1.06E-06	4.48E-07	3.61E-03	1.14E-06	4.83E-07	5.68E-03	1.79E-06	7.61E-07
1067	490451.43, 3859872.59	3.47E-03	1.10E-06	4.65E-07	3.74E-03	1.18E-06	5.01E-07	5.89E-03	1.86E-06	7.89E-07
1068	490501.43, 3859872.59	3.49E-03	1.10E-06	4.67E-07	3.76E-03	1.19E-06	5.04E-07	5.92E-03	1.87E-06	7.93E-07
1069	490551.43, 3859872.59	3.51E-03	1.11E-06	4.70E-07	3.79E-03	1.19E-06	5.07E-07	5.96E-03	1.88E-06	7.98E-07
1070	490601.43, 3859872.59	3.53E-03	1.12E-06	4.73E-07	3.81E-03	1.20E-06	5.10E-07	6.00E-03	1.89E-06	8.03E-07
1071	490451.43, 3859922.59	3.33E-03	1.05E-06	4.46E-07	3.59E-03	1.13E-06	4.81E-07	5.66E-03	1.79E-06	7.57E-07
1072	490501.43, 3859922.59	3.34E-03	1.06E-06	4.48E-07	3.60E-03	1.14E-06	4.83E-07	5.68E-03	1.79E-06	7.60E-07
1073	490551.43, 3859922.59	3.36E-03	1.06E-06	4.50E-07	3.62E-03	1.14E-06	4.85E-07	5.71E-03	1.80E-06	7.64E-07
1074	490601.43, 3859922.59	3.38E-03	1.07E-06	4.53E-07	3.65E-03	1.15E-06	4.89E-07	5.75E-03	1.81E-06	7.70E-07
1075	482129.67, 3852241.07	1.45E-03	4.57E-07	1.94E-07	1.56E-03	4.92E-07	2.09E-07	2.43E-03	7.67E-07	3.25E-07
1076	482029.67, 3852291.07	1.55E-03	4.89E-07	2.08E-07	1.67E-03	5.27E-07	2.24E-07	2.61E-03	8.23E-07	3.49E-07
1077	482079.67, 3852291.07	1.53E-03	4.84E-07	2.05E-07	1.65E-03	5.21E-07	2.21E-07	2.58E-03	8.13E-07	3.45E-07
1078	482129.67, 3852291.07	1.51E-03	4.77E-07	2.02E-07	1.63E-03	5.14E-07	2.18E-07	2.54E-03	8.02E-07	3.40E-07
1079	482179.67, 3852291.07	1.48E-03	4.66E-07	1.98E-07	1.59E-03	5.02E-07	2.13E-07	2.48E-03	7.82E-07	3.32E-07
1080	482229.67, 3852291.07	1.44E-03	4.55E-07	1.93E-07	1.55E-03	4.90E-07	2.08E-07	2.42E-03	7.65E-07	3.25E-07
1081	482029.67, 3852341.07	1.61E-03	5.07E-07	2.15E-07	1.73E-03	5.46E-07	2.32E-07	2.70E-03	8.53E-07	3.62E-07
1082	482079.67, 3852341.07	1.59E-03	5.01E-07	2.13E-07	1.71E-03	5.39E-07	2.29E-07	2.67E-03	8.42E-07	3.57E-07
1083	482129.67, 3852341.07	1.57E-03	4.95E-07	2.10E-07	1.69E-03	5.33E-07	2.26E-07	2.64E-03	8.32E-07	3.53E-07
1084	482179.67, 3852341.07	1.55E-03	4.88E-07	2.07E-07	1.67E-03	5.26E-07	2.23E-07	2.60E-03	8.20E-07	3.48E-07
1085	482259.06, 3852400.14	1.59E-03	5.03E-07	2.13E-07	1.72E-03	5.41E-07	2.30E-07	2.67E-03	8.43E-07	3.58E-07
1086	482309.06, 3852400.14	1.55E-03	4.91E-07	2.08E-07	1.67E-03	5.28E-07	2.24E-07	2.61E-03	8.22E-07	3.49E-07
1087	482209.06, 3852450.14	1.67E-03	5.27E-07	2.24E-07	1.80E-03	5.67E-07	2.41E-07	2.80E-03	8.84E-07	3.75E-07
1088	482259.06, 3852450.14	1.65E-03	5.21E-07	2.21E-07	1.78E-03	5.61E-07	2.38E-07	2.77E-03	8.74E-07	3.71E-07
1089	482309.06, 3852450.14	1.63E-03	5.14E-07	2.18E-07	1.75E-03	5.54E-07	2.35E-07	2.73E-03	8.62E-07	3.66E-07
1090	482209.06, 3852500.14	1.73E-03	5.46E-07	2.32E-07	1.86E-03	5.88E-07	2.49E-07	2.90E-03	9.16E-07	3.89E-07
1091	482259.06, 3852500.14	1.71E-03	5.40E-07	2.29E-07	1.84E-03	5.81E-07	2.47E-07	2.87E-03	9.06E-07	3.84E-07
1092	482309.06, 3852500.14	1.69E-03	5.34E-07	2.26E-07	1.82E-03	5.75E-07	2.44E-07	2.84E-03	8.95E-07	3.80E-07
1093	482283.91, 3852513.62	1.72E-03	5.42E-07	2.30E-07	1.85E-03	5.84E-07	2.48E-07	2.88E-03	9.09E-07	3.86E-07
1094	482333.91, 3852513.62	1.70E-03	5.37E-07	2.28E-07	1.83E-03	5.78E-07	2.45E-07	2.85E-03	8.99E-07	3.82E-07

1095	482283.91, 3852563.62	1.78E-03	5.63E-07	2.39E-07	1.92E-03	6.06E-07	2.57E-07	2.99E-03	9.43E-07	4.00E-07
1096	482333.91, 3852563.62	1.77E-03	5.57E-07	2.36E-07	1.90E-03	6.00E-07	2.55E-07	2.96E-03	9.34E-07	3.96E-07
1097	482383.91, 3852563.62	1.75E-03	5.53E-07	2.35E-07	1.88E-03	5.95E-07	2.52E-07	2.93E-03	9.25E-07	3.93E-07
1098	482283.91, 3852613.62	1.85E-03	5.84E-07	2.48E-07	1.99E-03	6.29E-07	2.67E-07	3.10E-03	9.79E-07	4.15E-07
1099	482333.91, 3852613.62	1.83E-03	5.78E-07	2.45E-07	1.97E-03	6.22E-07	2.64E-07	3.07E-03	9.68E-07	4.11E-07
1100	482383.91, 3852613.62	1.82E-03	5.73E-07	2.43E-07	1.96E-03	6.17E-07	2.62E-07	3.04E-03	9.60E-07	4.07E-07
1101	482602.38, 3852600.87	1.72E-03	5.44E-07	2.31E-07	1.86E-03	5.86E-07	2.49E-07	2.89E-03	9.13E-07	3.87E-07
1102	482652.38, 3852600.87	1.71E-03	5.40E-07	2.29E-07	1.84E-03	5.82E-07	2.47E-07	2.87E-03	9.07E-07	3.85E-07
1103	482702.38, 3852600.87	1.67E-03	5.26E-07	2.23E-07	1.80E-03	5.67E-07	2.41E-07	2.81E-03	8.86E-07	3.76E-07
1104	482552.38, 3852650.87	1.83E-03	5.77E-07	2.45E-07	1.97E-03	6.21E-07	2.64E-07	3.06E-03	9.67E-07	4.10E-07
1105	482602.38, 3852650.87	1.81E-03	5.70E-07	2.42E-07	1.94E-03	6.14E-07	2.60E-07	3.02E-03	9.54E-07	4.05E-07
1106	482652.38, 3852650.87	1.80E-03	5.67E-07	2.41E-07	1.93E-03	6.10E-07	2.59E-07	3.01E-03	9.50E-07	4.03E-07
1107	482702.38, 3852650.87	1.78E-03	5.63E-07	2.39E-07	1.92E-03	6.06E-07	2.57E-07	2.99E-03	9.43E-07	4.00E-07
1108	482552.38, 3852700.87	1.90E-03	6.00E-07	2.54E-07	2.05E-03	6.45E-07	2.74E-07	3.18E-03	1.00E-06	4.26E-07
1109	482602.38, 3852700.87	1.90E-03	5.99E-07	2.54E-07	2.04E-03	6.44E-07	2.73E-07	3.17E-03	1.00E-06	4.25E-07
1110	482652.38, 3852700.87	1.90E-03	5.99E-07	2.54E-07	2.04E-03	6.45E-07	2.73E-07	3.17E-03	1.00E-06	4.25E-07
1111	482702.38, 3852700.87	1.89E-03	5.95E-07	2.53E-07	2.03E-03	6.41E-07	2.72E-07	3.16E-03	9.96E-07	4.23E-07
1112	482452.38, 3852750.87	1.99E-03	6.29E-07	2.67E-07	2.15E-03	6.77E-07	2.87E-07	3.34E-03	1.05E-06	4.47E-07
1113	482521.29, 3852749.74	1.98E-03	6.25E-07	2.65E-07	2.13E-03	6.72E-07	2.85E-07	3.31E-03	1.05E-06	4.43E-07
1114	482571.29, 3852749.74	1.97E-03	6.23E-07	2.64E-07	2.12E-03	6.70E-07	2.84E-07	3.30E-03	1.04E-06	4.42E-07
1115	482521.29, 3852799.74	2.06E-03	6.49E-07	2.75E-07	2.21E-03	6.98E-07	2.96E-07	3.44E-03	1.09E-06	4.60E-07
1116	482571.29, 3852799.74	2.05E-03	6.48E-07	2.75E-07	2.21E-03	6.97E-07	2.96E-07	3.43E-03	1.08E-06	4.60E-07
1117	482621.29, 3852799.74	2.05E-03	6.47E-07	2.75E-07	2.21E-03	6.97E-07	2.96E-07	3.43E-03	1.08E-06	4.59E-07
1118	482571.29, 3852849.74	2.13E-03	6.73E-07	2.86E-07	2.30E-03	7.25E-07	3.07E-07	3.57E-03	1.13E-06	4.78E-07
1119	482621.29, 3852849.74	2.13E-03	6.73E-07	2.86E-07	2.30E-03	7.24E-07	3.07E-07	3.57E-03	1.13E-06	4.77E-07
1120	482577.42, 3852901.55	2.22E-03	7.02E-07	2.98E-07	2.39E-03	7.56E-07	3.21E-07	3.72E-03	1.17E-06	4.98E-07
1121	482627.42, 3852901.55	2.22E-03	7.02E-07	2.98E-07	2.39E-03	7.55E-07	3.21E-07	3.72E-03	1.17E-06	4.98E-07
1122	482629.96, 3852955.85	2.33E-03	7.35E-07	3.12E-07	2.51E-03	7.91E-07	3.35E-07	3.89E-03	1.23E-06	5.21E-07
1123	482679.96, 3852955.85	2.33E-03	7.35E-07	3.12E-07	2.51E-03	7.91E-07	3.36E-07	3.89E-03	1.23E-06	5.21E-07
1124	482781.63, 3853034.48	2.48E-03	7.83E-07	3.32E-07	2.67E-03	8.42E-07	3.57E-07	4.14E-03	1.31E-06	5.54E-07
1125	482831.63, 3853034.48	2.45E-03	7.72E-07	3.28E-07	2.63E-03	8.31E-07	3.53E-07	4.09E-03	1.29E-06	5.47E-07
1126	482881.63, 3853034.48	2.41E-03	7.61E-07	3.23E-07	2.60E-03	8.19E-07	3.48E-07	4.03E-03	1.27E-06	5.39E-07
1127	482781.63, 3853084.48	2.61E-03	8.23E-07	3.49E-07	2.81E-03	8.86E-07	3.76E-07	4.35E-03	1.37E-06	5.82E-07
1128	482831.63, 3853084.48	2.58E-03	8.13E-07	3.45E-07	2.77E-03	8.74E-07	3.71E-07	4.29E-03	1.36E-06	5.75E-07
1129	482881.63, 3853084.48	2.54E-03	8.01E-07	3.40E-07	2.73E-03	8.62E-07	3.66E-07	4.23E-03	1.34E-06	5.67E-07
1130	482781.63, 3853134.48	2.75E-03	8.69E-07	3.69E-07	2.96E-03	9.34E-07	3.96E-07	4.58E-03	1.44E-06	6.13E-07
1131	482831.63, 3853134.48	2.72E-03	8.58E-07	3.64E-07	2.93E-03	9.23E-07	3.92E-07	4.53E-03	1.43E-06	6.06E-07
1132	482881.63, 3853134.48	2.68E-03	8.46E-07	3.59E-07	2.88E-03	9.10E-07	3.86E-07	4.46E-03	1.41E-06	5.98E-07
1133	482831.63, 3853184.48	2.88E-03	9.09E-07	3.86E-07	3.10E-03	9.78E-07	4.15E-07	4.78E-03	1.51E-06	6.40E-07
1134	482881.63, 3853184.48	2.84E-03	8.96E-07	3.80E-07	3.05E-03	9.64E-07	4.09E-07	4.72E-03	1.49E-06	6.32E-07
1135	484154.84, 3854250.98	9.56E-03	3.02E-06	1.28E-06	1.04E-02	3.28E-06	1.39E-06	1.71E-02	5.40E-06	2.29E-06
1136	484204.84, 3854250.98	9.29E-03	2.93E-06	1.24E-06	1.01E-02	3.18E-06	1.35E-06	1.66E-02	5.24E-06	2.22E-06
1137	484154.84, 3854300.98	9.91E-03	3.13E-06	1.33E-06	1.08E-02	3.40E-06	1.44E-06	1.77E-02	5.59E-06	2.37E-06
1138	484204.84, 3854300.98	9.75E-03	3.08E-06	1.31E-06	1.06E-02	3.34E-06	1.42E-06	1.74E-02	5.49E-06	2.33E-06
1139	484074.19, 3854519.8	1.47E-02	4.64E-06	1.97E-06	1.59E-02	5.02E-06	2.13E-06	2.58E-02	8.15E-06	3.46E-06
1140	484124.19, 3854519.8	1.40E-02	4.41E-06	1.87E-06	1.51E-02	4.77E-06	2.02E-06	2.45E-02	7.74E-06	3.28E-06
1141	484074.19, 3854569.8	1.63E-02	5.14E-06	2.18E-06	1.76E-02	5.56E-06	2.36E-06	2.84E-02	8.97E-06	3.81E-06
1142	484124.19, 3854569.8	1.53E-02	4.83E-06	2.05E-06	1.65E-02	5.22E-06	2.21E-06	2.67E-02	8.42E-06	3.57E-06
1143	485205.11, 3855188.89	2.66E-02	8.40E-06	3.56E-06	2.86E-02	9.04E-06	3.84E-06	4.46E-02	1.41E-05	5.98E-06
1144	485255.11, 3855188.89	2.51E-02	7.93E-06	3.36E-06	2.70E-02	8.53E-06	3.62E-06	4.22E-02	1.33E-05	5.64E-06
1145	485205.11, 3855238.89	2.77E-02	8.74E-06	3.71E-06	2.98E-02	9.41E-06	3.99E-06	4.64E-02	1.47E-05	6.22E-06
1146	485255.11, 3855238.89	2.67E-02	8.44E-06	3.58E-06	2.88E-02	9.08E-06	3.85E-06	4.49E-02	1.42E-05	6.01E-06
1147	485205.11, 3855288.89	3.10E-02	9.77E-06	4.15E-06	3.33E-02	1.05E-05	4.46E-06	5.19E-02	1.64E-05	6.96E-06
1148	485255.11, 3855288.89	2.94E-02	9.28E-06	3.94E-06	3.17E-02	1.00E-05	4.24E-06	4.94E-02	1.56E-05	6.61E-06
1149	485255.11, 3855338.89	3.24E-02	1.02E-05	4.34E-06	3.49E-02	1.10E-05	4.67E-06	5.45E-02	1.72E-05	7.29E-06
1150	485305.11, 3855338.89	3.06E-02	9.67E-06	4.10E-06	3.30E-02	1.04E-05	4.42E-06	5.15E-02	1.63E-05	6.90E-06
1151	485852.5, 3855635.28	2.95E-02	9.31E-06	3.95E-06	3.18E-02	1.00E-05	4.26E-06	5.02E-02	1.58E-05	6.72E-06
1152	485902.5, 3855635.28	2.81E-02	8.87E-06	3.76E-06	3.03E-02	9.56E-06	4.06E-06	4.78E-02	1.51E-05	6.40E-06
1153	485852.5, 3855685.28	3.10E-02	9.79E-06	4.16E-06	3.35E-02	1.06E-05	4.48E-06	5.29E-02	1.67E-05	7.08E-06
1154	485902.5, 3855685.28	2.95E-02	9.31E-06	3.95E-06	3.18E-02	1.00E-05	4.26E-06	5.03E-02	1.59E-05	6.73E-06
1155	485852.5, 3855735.28	3.27E-02	1.03E-05	4.38E-06	3.53E-02	1.11E-05	4.72E-06	5.58E-02	1.76E-05	7.47E-06

1156	485902.5, 3855735.28	3.13E-02	9.88E-06	4.19E-06	3.38E-02	1.07E-05	4.52E-06	5.34E-02	1.69E-05	7.15E-06
1157	485852.5, 3855785.28	3.48E-02	1.10E-05	4.66E-06	3.76E-02	1.19E-05	5.03E-06	5.95E-02	1.88E-05	7.97E-06
1158	485902.5, 3855785.28	3.28E-02	1.04E-05	4.40E-06	3.54E-02	1.12E-05	4.74E-06	5.61E-02	1.77E-05	7.51E-06
1159	486809.46, 3856465.28	3.30E-02	1.04E-05	4.42E-06	3.57E-02	1.13E-05	4.78E-06	5.70E-02	1.80E-05	7.64E-06
1160	486859.46, 3856465.28	3.24E-02	1.02E-05	4.33E-06	3.50E-02	1.10E-05	4.68E-06	5.59E-02	1.76E-05	7.48E-06
1161	486909.46, 3856465.28	3.16E-02	9.98E-06	4.23E-06	3.42E-02	1.08E-05	4.57E-06	5.46E-02	1.72E-05	7.31E-06
1162	486809.46, 3856515.28	3.46E-02	1.09E-05	4.63E-06	3.74E-02	1.18E-05	5.01E-06	5.98E-02	1.89E-05	8.00E-06
1163	486859.46, 3856515.28	3.40E-02	1.07E-05	4.55E-06	3.67E-02	1.16E-05	4.91E-06	5.87E-02	1.85E-05	7.86E-06
1164	486909.46, 3856515.28	3.32E-02	1.05E-05	4.45E-06	3.59E-02	1.13E-05	4.81E-06	5.74E-02	1.81E-05	7.68E-06
1165	486980.94, 3856357.95	2.81E-02	8.86E-06	3.76E-06	3.03E-02	9.57E-06	4.06E-06	4.84E-02	1.53E-05	6.48E-06
1166	487030.94, 3856357.95	2.76E-02	8.70E-06	3.69E-06	2.98E-02	9.40E-06	3.99E-06	4.75E-02	1.50E-05	6.36E-06
1167	486980.94, 3856407.95	2.93E-02	9.25E-06	3.93E-06	3.17E-02	1.00E-05	4.24E-06	5.06E-02	1.60E-05	6.78E-06
1168	487030.94, 3856407.95	2.87E-02	9.07E-06	3.85E-06	3.10E-02	9.80E-06	4.16E-06	4.96E-02	1.56E-05	6.64E-06
1169	487447.18, 3856437.45	2.54E-02	8.01E-06	3.40E-06	2.74E-02	8.65E-06	3.67E-06	4.38E-02	1.38E-05	5.86E-06
1170	487497.18, 3856437.45	2.50E-02	7.88E-06	3.34E-06	2.70E-02	8.52E-06	3.61E-06	4.31E-02	1.36E-05	5.77E-06
1171	487547.18, 3856437.45	2.46E-02	7.76E-06	3.29E-06	2.66E-02	8.39E-06	3.56E-06	4.24E-02	1.34E-05	5.68E-06
1172	487447.18, 3856487.45	2.63E-02	8.31E-06	3.52E-06	2.84E-02	8.97E-06	3.81E-06	4.54E-02	1.43E-05	6.08E-06
1173	487497.18, 3856487.45	2.59E-02	8.16E-06	3.46E-06	2.79E-02	8.82E-06	3.74E-06	4.46E-02	1.41E-05	5.97E-06
1174	487547.18, 3856487.45	2.55E-02	8.04E-06	3.41E-06	2.75E-02	8.68E-06	3.68E-06	4.39E-02	1.39E-05	5.88E-06
1175	487447.18, 3856537.45	2.73E-02	8.61E-06	3.65E-06	2.95E-02	9.30E-06	3.95E-06	4.71E-02	1.49E-05	6.31E-06
1176	487497.18, 3856537.45	2.68E-02	8.45E-06	3.59E-06	2.89E-02	9.13E-06	3.88E-06	4.62E-02	1.46E-05	6.19E-06
1177	487547.18, 3856537.45	2.64E-02	8.32E-06	3.53E-06	2.85E-02	8.99E-06	3.82E-06	4.55E-02	1.44E-05	6.09E-06
1178	489285.89, 3858826.54	1.20E-02	3.80E-06	1.61E-06	1.29E-02	4.06E-06	1.72E-06	1.91E-02	6.02E-06	2.55E-06
1179	489335.89, 3858826.54	1.17E-02	3.70E-06	1.57E-06	1.25E-02	3.96E-06	1.68E-06	1.87E-02	5.91E-06	2.51E-06
1180	489385.89, 3858826.54	1.14E-02	3.61E-06	1.53E-06	1.23E-02	3.87E-06	1.64E-06	1.84E-02	5.81E-06	2.47E-06
1181	489435.89, 3858826.54	1.12E-02	3.54E-06	1.50E-06	1.20E-02	3.79E-06	1.61E-06	1.81E-02	5.72E-06	2.43E-06
1182	489485.89, 3858826.54	1.10E-02	3.47E-06	1.47E-06	1.18E-02	3.72E-06	1.58E-06	1.79E-02	5.64E-06	2.39E-06
1183	489535.89, 3858826.54	1.08E-02	3.40E-06	1.44E-06	1.16E-02	3.65E-06	1.55E-06	1.76E-02	5.56E-06	2.36E-06
1184	489585.89, 3858826.54	1.06E-02	3.34E-06	1.42E-06	1.14E-02	3.59E-06	1.52E-06	1.74E-02	5.48E-06	2.33E-06
1185	489635.89, 3858826.54	1.04E-02	3.29E-06	1.39E-06	1.12E-02	3.53E-06	1.50E-06	1.72E-02	5.41E-06	2.30E-06
1186	489685.89, 3858826.54	1.02E-02	3.24E-06	1.37E-06	1.10E-02	3.48E-06	1.48E-06	1.69E-02	5.34E-06	2.27E-06
1187	489735.89, 3858826.54	1.01E-02	3.19E-06	1.35E-06	1.09E-02	3.42E-06	1.45E-06	1.67E-02	5.28E-06	2.24E-06
1188	489785.89, 3858826.54	9.94E-03	3.14E-06	1.33E-06	1.07E-02	3.38E-06	1.43E-06	1.65E-02	5.21E-06	2.21E-06
1189	489835.89, 3858826.54	9.80E-03	3.09E-06	1.31E-06	1.05E-02	3.33E-06	1.41E-06	1.63E-02	5.15E-06	2.19E-06
1190	489885.89, 3858826.54	9.67E-03	3.05E-06	1.29E-06	1.04E-02	3.28E-06	1.39E-06	1.61E-02	5.09E-06	2.16E-06
1191	489935.89, 3858826.54	9.53E-03	3.01E-06	1.28E-06	1.03E-02	3.24E-06	1.37E-06	1.59E-02	5.03E-06	2.13E-06
1192	489985.89, 3858826.54	9.41E-03	2.97E-06	1.26E-06	1.01E-02	3.20E-06	1.36E-06	1.58E-02	4.97E-06	2.11E-06
1193	490035.89, 3858826.54	9.29E-03	2.93E-06	1.24E-06	1.00E-02	3.16E-06	1.34E-06	1.56E-02	4.92E-06	2.09E-06
1194	489285.89, 3858876.54	1.12E-02	3.55E-06	1.51E-06	1.20E-02	3.80E-06	1.61E-06	1.78E-02	5.62E-06	2.39E-06
1195	489335.89, 3858876.54	1.10E-02	3.46E-06	1.47E-06	1.17E-02	3.71E-06	1.57E-06	1.75E-02	5.53E-06	2.35E-06
1196	489385.89, 3858876.54	1.07E-02	3.39E-06	1.44E-06	1.15E-02	3.63E-06	1.54E-06	1.73E-02	5.45E-06	2.31E-06
1197	489435.89, 3858876.54	1.05E-02	3.32E-06	1.41E-06	1.13E-02	3.56E-06	1.51E-06	1.70E-02	5.38E-06	2.28E-06
1198	489485.89, 3858876.54	1.03E-02	3.26E-06	1.38E-06	1.11E-02	3.50E-06	1.49E-06	1.68E-02	5.31E-06	2.25E-06
1199	489535.89, 3858876.54	1.02E-02	3.21E-06	1.36E-06	1.09E-02	3.44E-06	1.46E-06	1.66E-02	5.24E-06	2.22E-06
1200	489585.89, 3858876.54	1.00E-02	3.16E-06	1.34E-06	1.07E-02	3.39E-06	1.44E-06	1.64E-02	5.18E-06	2.20E-06
1201	489635.89, 3858876.54	9.86E-03	3.11E-06	1.32E-06	1.06E-02	3.34E-06	1.42E-06	1.62E-02	5.12E-06	2.17E-06
1202	489685.89, 3858876.54	9.71E-03	3.07E-06	1.30E-06	1.04E-02	3.29E-06	1.40E-06	1.60E-02	5.06E-06	2.15E-06
1203	489735.89, 3858876.54	9.58E-03	3.02E-06	1.28E-06	1.03E-02	3.25E-06	1.38E-06	1.59E-02	5.01E-06	2.12E-06
1204	489785.89, 3858876.54	9.45E-03	2.98E-06	1.27E-06	1.02E-02	3.21E-06	1.36E-06	1.57E-02	4.95E-06	2.10E-06
1205	489835.89, 3858876.54	9.33E-03	2.94E-06	1.25E-06	1.00E-02	3.17E-06	1.34E-06	1.55E-02	4.90E-06	2.08E-06
1206	489885.89, 3858876.54	9.21E-03	2.91E-06	1.23E-06	9.90E-03	3.13E-06	1.33E-06	1.53E-02	4.84E-06	2.05E-06
1207	489935.89, 3858876.54	9.09E-03	2.87E-06	1.22E-06	9.78E-03	3.09E-06	1.31E-06	1.52E-02	4.79E-06	2.03E-06
1208	489985.89, 3858876.54	8.98E-03	2.83E-06	1.20E-06	9.67E-03	3.05E-06	1.29E-06	1.50E-02	4.74E-06	2.01E-06
1209	490035.89, 3858876.54	8.88E-03	2.80E-06	1.19E-06	9.55E-03	3.02E-06	1.28E-06	1.49E-02	4.70E-06	1.99E-06
1210	489285.89, 3858926.54	1.04E-02	3.28E-06	1.39E-06	1.11E-02	3.51E-06	1.49E-06	1.65E-02	5.22E-06	2.21E-06
1211	489335.89, 3858926.54	1.02E-02	3.22E-06	1.37E-06	1.09E-02	3.45E-06	1.46E-06	1.63E-02	5.15E-06	2.19E-06
1212	489385.89, 3858926.54	1.00E-02	3.16E-06	1.34E-06	1.07E-02	3.39E-06	1.44E-06	1.61E-02	5.09E-06	2.16E-06
1213	489435.89, 3858926.54	9.85E-03	3.11E-06	1.32E-06	1.06E-02	3.33E-06	1.41E-06	1.60E-02	5.04E-06	2.14E-06
1214	489485.89, 3858926.54	9.70E-03	3.06E-06	1.30E-06	1.04E-02	3.28E-06	1.39E-06	1.58E-02	4.98E-06	2.11E-06
1215	489535.89, 3858926.54	9.56E-03	3.02E-06	1.28E-06	1.03E-02	3.24E-06	1.37E-06	1.56E-02	4.93E-06	2.09E-06
1216	489585.89, 3858926.54	9.43E-03	2.97E-06	1.26E-06	1.01E-02	3.19E-06	1.36E-06	1.55E-02	4.88E-06	2.07E-06

1217	489635.89, 3858926.54	9.30E-03	2.94E-06	1.25E-06	9.99E-03	3.15E-06	1.34E-06	1.53E-02	4.83E-06	2.05E-06
1218	489685.89, 3858926.54	9.19E-03	2.90E-06	1.23E-06	9.87E-03	3.12E-06	1.32E-06	1.52E-02	4.79E-06	2.03E-06
1219	489735.89, 3858926.54	9.07E-03	2.86E-06	1.21E-06	9.75E-03	3.08E-06	1.31E-06	1.50E-02	4.74E-06	2.01E-06
1220	489785.89, 3858926.54	8.96E-03	2.83E-06	1.20E-06	9.64E-03	3.04E-06	1.29E-06	1.49E-02	4.69E-06	1.99E-06
1221	489835.89, 3858926.54	8.86E-03	2.80E-06	1.19E-06	9.53E-03	3.01E-06	1.28E-06	1.47E-02	4.65E-06	1.97E-06
1222	489885.89, 3858926.54	8.76E-03	2.76E-06	1.17E-06	9.42E-03	2.97E-06	1.26E-06	1.46E-02	4.61E-06	1.95E-06
1223	489935.89, 3858926.54	8.66E-03	2.73E-06	1.16E-06	9.32E-03	2.94E-06	1.25E-06	1.45E-02	4.56E-06	1.94E-06
1224	489985.89, 3858926.54	8.56E-03	2.70E-06	1.15E-06	9.22E-03	2.91E-06	1.23E-06	1.43E-02	4.52E-06	1.92E-06
1225	490035.89, 3858926.54	8.47E-03	2.67E-06	1.13E-06	9.12E-03	2.88E-06	1.22E-06	1.42E-02	4.48E-06	1.90E-06
1226	489335.89, 3858976.54	9.41E-03	2.97E-06	1.26E-06	1.01E-02	3.18E-06	1.35E-06	1.51E-02	4.78E-06	2.03E-06
1227	489385.89, 3858976.54	9.29E-03	2.93E-06	1.24E-06	9.96E-03	3.14E-06	1.33E-06	1.50E-02	4.74E-06	2.01E-06
1228	489435.89, 3858976.54	9.17E-03	2.90E-06	1.23E-06	9.84E-03	3.11E-06	1.32E-06	1.49E-02	4.70E-06	2.00E-06
1229	489485.89, 3858976.54	9.06E-03	2.86E-06	1.21E-06	9.73E-03	3.07E-06	1.30E-06	1.48E-02	4.67E-06	1.98E-06
1230	489535.89, 3858976.54	8.96E-03	2.83E-06	1.20E-06	9.62E-03	3.04E-06	1.29E-06	1.47E-02	4.63E-06	1.96E-06
1231	489585.89, 3858976.54	8.86E-03	2.80E-06	1.19E-06	9.51E-03	3.00E-06	1.27E-06	1.46E-02	4.59E-06	1.95E-06
1232	489635.89, 3858976.54	8.76E-03	2.77E-06	1.17E-06	9.41E-03	2.97E-06	1.26E-06	1.44E-02	4.56E-06	1.93E-06
1233	489685.89, 3858976.54	8.67E-03	2.74E-06	1.16E-06	9.32E-03	2.94E-06	1.25E-06	1.43E-02	4.52E-06	1.92E-06
1234	489735.89, 3858976.54	8.58E-03	2.71E-06	1.15E-06	9.22E-03	2.91E-06	1.23E-06	1.42E-02	4.48E-06	1.90E-06
1235	489785.89, 3858976.54	8.49E-03	2.68E-06	1.14E-06	9.13E-03	2.88E-06	1.22E-06	1.41E-02	4.45E-06	1.89E-06
1236	489835.89, 3858976.54	8.40E-03	2.65E-06	1.12E-06	9.03E-03	2.85E-06	1.21E-06	1.40E-02	4.41E-06	1.87E-06
1237	489885.89, 3858976.54	8.32E-03	2.63E-06	1.11E-06	8.95E-03	2.82E-06	1.20E-06	1.39E-02	4.38E-06	1.86E-06
1238	489935.89, 3858976.54	8.24E-03	2.60E-06	1.10E-06	8.87E-03	2.80E-06	1.19E-06	1.38E-02	4.34E-06	1.84E-06
1239	489985.89, 3858976.54	8.16E-03	2.57E-06	1.09E-06	8.78E-03	2.77E-06	1.18E-06	1.36E-02	4.31E-06	1.83E-06
1240	490035.89, 3858976.54	8.09E-03	2.55E-06	1.08E-06	8.71E-03	2.75E-06	1.17E-06	1.36E-02	4.28E-06	1.82E-06
1241	489385.89, 3859026.54	8.60E-03	2.71E-06	1.15E-06	9.22E-03	2.91E-06	1.23E-06	1.40E-02	4.41E-06	1.87E-06
1242	489435.89, 3859026.54	8.53E-03	2.69E-06	1.14E-06	9.15E-03	2.89E-06	1.23E-06	1.39E-02	4.39E-06	1.86E-06
1243	489485.89, 3859026.54	8.46E-03	2.67E-06	1.13E-06	9.08E-03	2.86E-06	1.22E-06	1.38E-02	4.37E-06	1.85E-06
1244	489535.89, 3859026.54	8.38E-03	2.65E-06	1.12E-06	9.00E-03	2.84E-06	1.21E-06	1.38E-02	4.34E-06	1.84E-06
1245	489585.89, 3859026.54	8.31E-03	2.62E-06	1.11E-06	8.93E-03	2.82E-06	1.20E-06	1.37E-02	4.32E-06	1.83E-06
1246	489635.89, 3859026.54	8.24E-03	2.60E-06	1.10E-06	8.86E-03	2.80E-06	1.19E-06	1.36E-02	4.29E-06	1.82E-06
1247	489685.89, 3859026.54	8.17E-03	2.58E-06	1.09E-06	8.78E-03	2.77E-06	1.18E-06	1.35E-02	4.27E-06	1.81E-06
1248	489735.89, 3859026.54	8.10E-03	2.56E-06	1.08E-06	8.71E-03	2.75E-06	1.17E-06	1.34E-02	4.24E-06	1.80E-06
1249	489785.89, 3859026.54	8.03E-03	2.53E-06	1.08E-06	8.63E-03	2.73E-06	1.16E-06	1.33E-02	4.21E-06	1.79E-06
1250	489835.89, 3859026.54	7.96E-03	2.51E-06	1.07E-06	8.57E-03	2.70E-06	1.15E-06	1.33E-02	4.19E-06	1.78E-06
1251	489885.89, 3859026.54	7.90E-03	2.49E-06	1.06E-06	8.50E-03	2.68E-06	1.14E-06	1.32E-02	4.16E-06	1.76E-06
1252	489935.89, 3859026.54	7.83E-03	2.47E-06	1.05E-06	8.43E-03	2.66E-06	1.13E-06	1.31E-02	4.13E-06	1.75E-06
1253	489985.89, 3859026.54	7.77E-03	2.45E-06	1.04E-06	8.36E-03	2.64E-06	1.12E-06	1.30E-02	4.10E-06	1.74E-06
1254	490035.89, 3859026.54	7.71E-03	2.43E-06	1.03E-06	8.30E-03	2.62E-06	1.11E-06	1.29E-02	4.08E-06	1.73E-06
1255	489485.89, 3859076.54	7.88E-03	2.49E-06	1.05E-06	8.46E-03	2.67E-06	1.13E-06	1.29E-02	4.09E-06	1.73E-06
1256	489535.89, 3859076.54	7.84E-03	2.47E-06	1.05E-06	8.42E-03	2.66E-06	1.13E-06	1.29E-02	4.08E-06	1.73E-06
1257	489585.89, 3859076.54	7.79E-03	2.46E-06	1.04E-06	8.37E-03	2.64E-06	1.12E-06	1.29E-02	4.06E-06	1.72E-06
1258	489635.89, 3859076.54	7.74E-03	2.44E-06	1.04E-06	8.32E-03	2.63E-06	1.11E-06	1.28E-02	4.04E-06	1.72E-06
1259	489685.89, 3859076.54	7.69E-03	2.43E-06	1.03E-06	8.27E-03	2.61E-06	1.11E-06	1.28E-02	4.03E-06	1.71E-06
1260	489735.89, 3859076.54	7.64E-03	2.41E-06	1.02E-06	8.22E-03	2.59E-06	1.10E-06	1.27E-02	4.01E-06	1.70E-06
1261	489785.89, 3859076.54	7.59E-03	2.40E-06	1.02E-06	8.16E-03	2.58E-06	1.09E-06	1.26E-02	3.99E-06	1.69E-06
1262	489835.89, 3859076.54	7.54E-03	2.38E-06	1.01E-06	8.11E-03	2.56E-06	1.09E-06	1.26E-02	3.97E-06	1.68E-06
1263	489885.89, 3859076.54	7.49E-03	2.36E-06	1.00E-06	8.06E-03	2.54E-06	1.08E-06	1.25E-02	3.95E-06	1.67E-06
1264	489935.89, 3859076.54	7.44E-03	2.35E-06	9.96E-07	8.01E-03	2.53E-06	1.07E-06	1.24E-02	3.93E-06	1.67E-06
1265	489985.89, 3859076.54	7.39E-03	2.33E-06	9.90E-07	7.95E-03	2.51E-06	1.07E-06	1.24E-02	3.91E-06	1.66E-06
1266	490035.89, 3859076.54	7.35E-03	2.32E-06	9.84E-07	7.91E-03	2.50E-06	1.06E-06	1.23E-02	3.89E-06	1.65E-06
1267	489585.89, 3859126.54	7.30E-03	2.30E-06	9.78E-07	7.85E-03	2.48E-06	1.05E-06	1.21E-02	3.82E-06	1.62E-06
1268	489635.89, 3859126.54	7.27E-03	2.30E-06	9.74E-07	7.82E-03	2.47E-06	1.05E-06	1.21E-02	3.81E-06	1.62E-06
1269	489685.89, 3859126.54	7.24E-03	2.29E-06	9.70E-07	7.79E-03	2.46E-06	1.04E-06	1.20E-02	3.80E-06	1.61E-06
1270	489735.89, 3859126.54	7.21E-03	2.28E-06	9.65E-07	7.75E-03	2.45E-06	1.04E-06	1.20E-02	3.79E-06	1.61E-06
1271	489785.89, 3859126.54	7.17E-03	2.26E-06	9.61E-07	7.72E-03	2.44E-06	1.03E-06	1.20E-02	3.77E-06	1.60E-06
1272	489835.89, 3859126.54	7.14E-03	2.25E-06	9.56E-07	7.68E-03	2.42E-06	1.03E-06	1.19E-02	3.76E-06	1.60E-06
1273	489885.89, 3859126.54	7.10E-03	2.24E-06	9.51E-07	7.64E-03	2.41E-06	1.02E-06	1.19E-02	3.75E-06	1.59E-06
1274	489935.89, 3859126.54	7.06E-03	2.23E-06	9.46E-07	7.60E-03	2.40E-06	1.02E-06	1.18E-02	3.73E-06	1.58E-06
1275	489985.89, 3859126.54	7.03E-03	2.22E-06	9.41E-07	7.57E-03	2.39E-06	1.01E-06	1.18E-02	3.72E-06	1.58E-06
1276	490035.89, 3859126.54	6.99E-03	2.21E-06	9.36E-07	7.53E-03	2.38E-06	1.01E-06	1.17E-02	3.71E-06	1.57E-06
1277	489585.89, 3859176.54	6.84E-03	2.16E-06	9.16E-07	7.36E-03	2.32E-06	9.85E-07	1.14E-02	3.59E-06	1.52E-06

1278	489635.89, 3859176.54	6.83E-03	2.16E-06	9.15E-07	7.35E-03	2.32E-06	9.84E-07	1.14E-02	3.58E-06	1.52E-06
1279	489685.89, 3859176.54	6.81E-03	2.15E-06	9.13E-07	7.33E-03	2.31E-06	9.82E-07	1.13E-02	3.58E-06	1.52E-06
1280	489735.89, 3859176.54	6.80E-03	2.14E-06	9.10E-07	7.31E-03	2.31E-06	9.79E-07	1.13E-02	3.57E-06	1.52E-06
1281	489785.89, 3859176.54	6.78E-03	2.14E-06	9.08E-07	7.29E-03	2.30E-06	9.77E-07	1.13E-02	3.57E-06	1.52E-06
1282	489835.89, 3859176.54	6.75E-03	2.13E-06	9.05E-07	7.27E-03	2.29E-06	9.73E-07	1.13E-02	3.56E-06	1.51E-06
1283	489885.89, 3859176.54	6.73E-03	2.12E-06	9.01E-07	7.25E-03	2.29E-06	9.70E-07	1.13E-02	3.56E-06	1.51E-06
1284	489935.89, 3859176.54	6.70E-03	2.12E-06	8.98E-07	7.22E-03	2.28E-06	9.66E-07	1.12E-02	3.55E-06	1.50E-06
1285	489985.89, 3859176.54	6.68E-03	2.11E-06	8.95E-07	7.20E-03	2.27E-06	9.63E-07	1.12E-02	3.54E-06	1.50E-06
1286	490035.89, 3859176.54	6.65E-03	2.10E-06	8.91E-07	7.16E-03	2.26E-06	9.59E-07	1.12E-02	3.53E-06	1.50E-06
1287	489685.89, 3859226.54	6.42E-03	2.03E-06	8.59E-07	6.90E-03	2.18E-06	9.24E-07	1.07E-02	3.38E-06	1.43E-06
1288	489735.89, 3859226.54	6.41E-03	2.02E-06	8.58E-07	6.90E-03	2.18E-06	9.23E-07	1.07E-02	3.38E-06	1.43E-06
1289	489785.89, 3859226.54	6.40E-03	2.02E-06	8.57E-07	6.89E-03	2.17E-06	9.23E-07	1.07E-02	3.38E-06	1.43E-06
1290	489835.89, 3859226.54	6.39E-03	2.02E-06	8.56E-07	6.88E-03	2.17E-06	9.22E-07	1.07E-02	3.38E-06	1.43E-06
1291	489885.89, 3859226.54	6.38E-03	2.01E-06	8.54E-07	6.87E-03	2.17E-06	9.20E-07	1.07E-02	3.38E-06	1.43E-06
1292	489935.89, 3859226.54	6.37E-03	2.01E-06	8.52E-07	6.85E-03	2.16E-06	9.18E-07	1.07E-02	3.37E-06	1.43E-06
1293	489985.89, 3859226.54	6.35E-03	2.01E-06	8.51E-07	6.84E-03	2.16E-06	9.16E-07	1.07E-02	3.37E-06	1.43E-06
1294	490035.89, 3859226.54	6.33E-03	2.00E-06	8.48E-07	6.82E-03	2.15E-06	9.13E-07	1.07E-02	3.36E-06	1.43E-06
1295	489735.89, 3859276.54	6.04E-03	1.91E-06	8.09E-07	6.51E-03	2.05E-06	8.71E-07	1.01E-02	3.19E-06	1.35E-06
1296	489785.89, 3859276.54	6.05E-03	1.91E-06	8.10E-07	6.51E-03	2.05E-06	8.72E-07	1.01E-02	3.19E-06	1.36E-06
1297	489835.89, 3859276.54	6.05E-03	1.91E-06	8.10E-07	6.51E-03	2.06E-06	8.72E-07	1.01E-02	3.20E-06	1.36E-06
1298	489885.89, 3859276.54	6.05E-03	1.91E-06	8.10E-07	6.51E-03	2.05E-06	8.72E-07	1.01E-02	3.20E-06	1.36E-06
1299	489935.89, 3859276.54	6.04E-03	1.91E-06	8.09E-07	6.51E-03	2.05E-06	8.71E-07	1.02E-02	3.20E-06	1.36E-06
1300	489985.89, 3859276.54	6.04E-03	1.91E-06	8.09E-07	6.51E-03	2.05E-06	8.72E-07	1.02E-02	3.21E-06	1.36E-06
1301	490035.89, 3859276.54	6.02E-03	1.90E-06	8.07E-07	6.49E-03	2.05E-06	8.69E-07	1.01E-02	3.20E-06	1.36E-06
1302	490458.06, 3859590.74	4.48E-03	1.41E-06	6.00E-07	4.83E-03	1.53E-06	6.47E-07	7.60E-03	2.40E-06	1.02E-06
1303	490508.06, 3859590.74	4.49E-03	1.42E-06	6.02E-07	4.85E-03	1.53E-06	6.49E-07	7.62E-03	2.41E-06	1.02E-06
1304	490558.06, 3859590.74	4.50E-03	1.42E-06	6.03E-07	4.85E-03	1.53E-06	6.50E-07	7.64E-03	2.41E-06	1.02E-06
1305	490608.06, 3859590.74	4.51E-03	1.42E-06	6.04E-07	4.86E-03	1.53E-06	6.51E-07	7.66E-03	2.42E-06	1.03E-06
1306	490658.06, 3859590.74	4.51E-03	1.42E-06	6.04E-07	4.86E-03	1.54E-06	6.51E-07	7.67E-03	2.42E-06	1.03E-06
1307	490708.06, 3859590.74	4.51E-03	1.42E-06	6.04E-07	4.86E-03	1.54E-06	6.51E-07	7.67E-03	2.42E-06	1.03E-06
1308	490758.06, 3859590.74	4.51E-03	1.42E-06	6.03E-07	4.86E-03	1.53E-06	6.51E-07	7.67E-03	2.42E-06	1.03E-06
1309	490808.06, 3859590.74	4.50E-03	1.42E-06	6.02E-07	4.85E-03	1.53E-06	6.50E-07	7.67E-03	2.42E-06	1.03E-06
1310	490858.06, 3859590.74	4.49E-03	1.42E-06	6.01E-07	4.84E-03	1.53E-06	6.48E-07	7.66E-03	2.42E-06	1.03E-06
1311	490458.06, 3859640.74	4.28E-03	1.35E-06	5.74E-07	4.62E-03	1.46E-06	6.18E-07	7.26E-03	2.29E-06	9.72E-07
1312	490508.06, 3859640.74	4.30E-03	1.36E-06	5.76E-07	4.63E-03	1.46E-06	6.20E-07	7.29E-03	2.30E-06	9.76E-07
1313	490558.06, 3859640.74	4.31E-03	1.36E-06	5.77E-07	4.65E-03	1.47E-06	6.22E-07	7.32E-03	2.31E-06	9.80E-07
1314	490608.06, 3859640.74	4.32E-03	1.36E-06	5.79E-07	4.66E-03	1.47E-06	6.24E-07	7.34E-03	2.32E-06	9.83E-07
1315	490658.06, 3859640.74	4.33E-03	1.37E-06	5.80E-07	4.67E-03	1.47E-06	6.26E-07	7.37E-03	2.32E-06	9.86E-07
1316	490708.06, 3859640.74	4.34E-03	1.37E-06	5.81E-07	4.68E-03	1.48E-06	6.26E-07	7.38E-03	2.33E-06	9.88E-07
1317	490758.06, 3859640.74	4.34E-03	1.37E-06	5.81E-07	4.68E-03	1.48E-06	6.27E-07	7.39E-03	2.33E-06	9.89E-07
1318	490808.06, 3859640.74	4.34E-03	1.37E-06	5.81E-07	4.68E-03	1.48E-06	6.26E-07	7.39E-03	2.33E-06	9.89E-07
1319	490858.06, 3859640.74	4.33E-03	1.37E-06	5.80E-07	4.67E-03	1.48E-06	6.26E-07	7.39E-03	2.33E-06	9.89E-07
1320	490608.06, 3859690.74	4.14E-03	1.31E-06	5.55E-07	4.47E-03	1.41E-06	5.98E-07	7.04E-03	2.22E-06	9.42E-07
1321	490658.06, 3859690.74	4.16E-03	1.31E-06	5.57E-07	4.49E-03	1.42E-06	6.01E-07	7.07E-03	2.23E-06	9.46E-07
1322	490708.06, 3859690.74	4.17E-03	1.32E-06	5.58E-07	4.50E-03	1.42E-06	6.02E-07	7.09E-03	2.24E-06	9.49E-07
1323	490758.06, 3859690.74	4.18E-03	1.32E-06	5.59E-07	4.50E-03	1.42E-06	6.03E-07	7.11E-03	2.24E-06	9.52E-07
1324	490808.06, 3859690.74	4.18E-03	1.32E-06	5.60E-07	4.51E-03	1.42E-06	6.04E-07	7.12E-03	2.25E-06	9.53E-07
1325	490858.06, 3859690.74	4.18E-03	1.32E-06	5.59E-07	4.51E-03	1.42E-06	6.03E-07	7.12E-03	2.25E-06	9.53E-07
1326	490708.06, 3859740.74	4.00E-03	1.26E-06	5.36E-07	4.32E-03	1.36E-06	5.78E-07	6.80E-03	2.15E-06	9.11E-07
1327	490758.06, 3859740.74	4.01E-03	1.27E-06	5.37E-07	4.32E-03	1.36E-06	5.79E-07	6.82E-03	2.15E-06	9.13E-07
1328	490808.06, 3859740.74	4.02E-03	1.27E-06	5.38E-07	4.33E-03	1.37E-06	5.80E-07	6.84E-03	2.16E-06	9.15E-07
1329	490858.06, 3859740.74	4.02E-03	1.27E-06	5.38E-07	4.34E-03	1.37E-06	5.81E-07	6.85E-03	2.16E-06	9.17E-07
1330	490786.56, 3859749.39	3.99E-03	1.26E-06	5.34E-07	4.30E-03	1.36E-06	5.76E-07	6.78E-03	2.14E-06	9.08E-07
1331	490836.56, 3859749.39	3.99E-03	1.26E-06	5.35E-07	4.31E-03	1.36E-06	5.77E-07	6.80E-03	2.14E-06	9.10E-07
1332	490786.56, 3859799.39	3.83E-03	1.21E-06	5.12E-07	4.13E-03	1.30E-06	5.52E-07	6.50E-03	2.05E-06	8.71E-07
1333	490836.56, 3859799.39	3.84E-03	1.21E-06	5.14E-07	4.14E-03	1.31E-06	5.54E-07	6.53E-03	2.06E-06	8.74E-07
1334	492307.84, 3854508.36	3.98E-03	1.26E-06	5.33E-07	4.30E-03	1.36E-06	5.76E-07	6.85E-03	2.16E-06	9.18E-07
1335	486445.7, 3854753.6	7.94E-03	2.51E-06	1.06E-06	8.57E-03	2.70E-06	1.15E-06	1.35E-02	4.27E-06	1.81E-06
1336	472599.75, 3877830.11	1.33E-04	4.21E-08	1.79E-08	1.44E-04	4.53E-08	1.92E-08	2.24E-04	7.08E-08	3.01E-08
1337	493107.48, 3866840.19	4.00E-04	1.26E-07	5.35E-08	4.31E-04	1.36E-07	5.77E-08	6.83E-04	2.15E-07	9.14E-08
1338	495815.8, 3861662.87	1.45E-03	4.58E-07	1.94E-07	1.57E-03	4.95E-07	2.10E-07	2.50E-03	7.89E-07	3.35E-07

1339	480272.33, 3841389.2	4.10E-05	1.29E-08	5.49E-09	4.42E-05	1.40E-08	5.92E-09	6.98E-05	2.20E-08	9.35E-09
1340	497005.18, 3862813.64	1.03E-03	3.26E-07	1.38E-07	1.12E-03	3.52E-07	1.49E-07	1.78E-03	5.62E-07	2.38E-07
1341	493677.33, 3860302.55	2.65E-03	8.35E-07	3.54E-07	2.86E-03	9.02E-07	3.83E-07	4.55E-03	1.44E-06	6.09E-07
1342	493727.33, 3860302.55	2.64E-03	8.33E-07	3.53E-07	2.85E-03	8.99E-07	3.81E-07	4.53E-03	1.43E-06	6.07E-07
1343	493777.33, 3860302.55	2.63E-03	8.30E-07	3.52E-07	2.84E-03	8.96E-07	3.80E-07	4.52E-03	1.43E-06	6.05E-07
1344	493827.33, 3860302.55	2.62E-03	8.27E-07	3.51E-07	2.83E-03	8.93E-07	3.79E-07	4.51E-03	1.42E-06	6.03E-07
1345	493877.33, 3860302.55	2.61E-03	8.24E-07	3.50E-07	2.82E-03	8.90E-07	3.78E-07	4.49E-03	1.42E-06	6.01E-07
1346	493927.33, 3860302.55	2.60E-03	8.21E-07	3.48E-07	2.81E-03	8.87E-07	3.76E-07	4.47E-03	1.41E-06	5.99E-07
1347	493977.33, 3860302.55	2.60E-03	8.19E-07	3.48E-07	2.80E-03	8.85E-07	3.75E-07	4.46E-03	1.41E-06	5.98E-07
1348	494027.33, 3860302.55	2.59E-03	8.17E-07	3.46E-07	2.79E-03	8.82E-07	3.74E-07	4.45E-03	1.40E-06	5.96E-07
1349	493677.33, 3860352.55	2.60E-03	8.19E-07	3.48E-07	2.80E-03	8.84E-07	3.75E-07	4.46E-03	1.41E-06	5.97E-07
1350	493727.33, 3860352.55	2.59E-03	8.16E-07	3.46E-07	2.79E-03	8.81E-07	3.74E-07	4.44E-03	1.40E-06	5.95E-07
1351	493777.33, 3860352.55	2.58E-03	8.13E-07	3.45E-07	2.78E-03	8.78E-07	3.73E-07	4.43E-03	1.40E-06	5.93E-07
1352	493827.33, 3860352.55	2.57E-03	8.11E-07	3.44E-07	2.77E-03	8.76E-07	3.71E-07	4.42E-03	1.39E-06	5.91E-07
1353	493877.33, 3860352.55	2.56E-03	8.08E-07	3.43E-07	2.77E-03	8.73E-07	3.70E-07	4.40E-03	1.39E-06	5.90E-07
1354	493927.33, 3860352.55	2.55E-03	8.06E-07	3.42E-07	2.76E-03	8.71E-07	3.69E-07	4.39E-03	1.39E-06	5.88E-07
1355	493977.33, 3860352.55	2.55E-03	8.04E-07	3.41E-07	2.75E-03	8.68E-07	3.68E-07	4.38E-03	1.38E-06	5.87E-07
1356	494027.33, 3860352.55	2.54E-03	8.01E-07	3.40E-07	2.74E-03	8.65E-07	3.67E-07	4.37E-03	1.38E-06	5.85E-07
1357	493677.33, 3860402.55	2.54E-03	8.02E-07	3.40E-07	2.74E-03	8.66E-07	3.68E-07	4.37E-03	1.38E-06	5.85E-07
1358	493727.33, 3860402.55	2.53E-03	8.00E-07	3.39E-07	2.74E-03	8.63E-07	3.66E-07	4.35E-03	1.37E-06	5.83E-07
1359	493777.33, 3860402.55	2.53E-03	7.98E-07	3.39E-07	2.73E-03	8.62E-07	3.66E-07	4.35E-03	1.37E-06	5.82E-07
1360	493827.33, 3860402.55	2.52E-03	7.95E-07	3.37E-07	2.72E-03	8.59E-07	3.64E-07	4.33E-03	1.37E-06	5.80E-07
1361	493877.33, 3860402.55	2.51E-03	7.93E-07	3.36E-07	2.71E-03	8.56E-07	3.63E-07	4.32E-03	1.36E-06	5.78E-07
1362	493927.33, 3860402.55	2.51E-03	7.91E-07	3.36E-07	2.71E-03	8.54E-07	3.62E-07	4.31E-03	1.36E-06	5.77E-07
1363	493977.33, 3860402.55	2.50E-03	7.89E-07	3.35E-07	2.70E-03	8.52E-07	3.62E-07	4.30E-03	1.36E-06	5.76E-07
1364	494027.33, 3860402.55	2.49E-03	7.87E-07	3.34E-07	2.69E-03	8.50E-07	3.60E-07	4.29E-03	1.35E-06	5.74E-07
1365	493677.33, 3860452.55	2.49E-03	7.87E-07	3.34E-07	2.69E-03	8.49E-07	3.60E-07	4.28E-03	1.35E-06	5.73E-07
1366	493727.33, 3860452.55	2.48E-03	7.83E-07	3.32E-07	2.68E-03	8.46E-07	3.59E-07	4.26E-03	1.35E-06	5.71E-07
1367	493777.33, 3860452.55	2.47E-03	7.81E-07	3.31E-07	2.67E-03	8.43E-07	3.58E-07	4.25E-03	1.34E-06	5.69E-07
1368	493827.33, 3860452.55	2.47E-03	7.79E-07	3.31E-07	2.67E-03	8.42E-07	3.57E-07	4.24E-03	1.34E-06	5.68E-07
1369	493877.33, 3860452.55	2.46E-03	7.78E-07	3.30E-07	2.66E-03	8.40E-07	3.56E-07	4.23E-03	1.34E-06	5.67E-07
1370	493927.33, 3860452.55	2.46E-03	7.77E-07	3.29E-07	2.66E-03	8.39E-07	3.56E-07	4.23E-03	1.33E-06	5.66E-07
1371	493977.33, 3860452.55	2.45E-03	7.74E-07	3.28E-07	2.65E-03	8.36E-07	3.55E-07	4.22E-03	1.33E-06	5.65E-07
1372	494027.33, 3860452.55	2.45E-03	7.72E-07	3.27E-07	2.64E-03	8.33E-07	3.54E-07	4.20E-03	1.33E-06	5.63E-07
1373	493677.33, 3860502.55	2.44E-03	7.71E-07	3.27E-07	2.64E-03	8.32E-07	3.53E-07	4.20E-03	1.32E-06	5.62E-07
1374	493727.33, 3860502.55	2.43E-03	7.68E-07	3.26E-07	2.63E-03	8.29E-07	3.52E-07	4.18E-03	1.32E-06	5.60E-07
1375	493777.33, 3860502.55	2.43E-03	7.66E-07	3.25E-07	2.62E-03	8.27E-07	3.51E-07	4.17E-03	1.32E-06	5.58E-07
1376	493827.33, 3860502.55	2.42E-03	7.64E-07	3.24E-07	2.61E-03	8.25E-07	3.50E-07	4.16E-03	1.31E-06	5.57E-07
1377	493877.33, 3860502.55	2.42E-03	7.62E-07	3.23E-07	2.61E-03	8.23E-07	3.49E-07	4.15E-03	1.31E-06	5.56E-07
1378	493927.33, 3860502.55	2.41E-03	7.61E-07	3.23E-07	2.60E-03	8.22E-07	3.49E-07	4.15E-03	1.31E-06	5.55E-07
1379	493977.33, 3860502.55	2.40E-03	7.59E-07	3.22E-07	2.60E-03	8.19E-07	3.48E-07	4.13E-03	1.30E-06	5.54E-07
1380	494027.33, 3860502.55	2.40E-03	7.57E-07	3.21E-07	2.59E-03	8.17E-07	3.47E-07	4.12E-03	1.30E-06	5.52E-07
1381	493627.33, 3860552.55	2.40E-03	7.57E-07	3.21E-07	2.59E-03	8.18E-07	3.47E-07	4.12E-03	1.30E-06	5.52E-07
1382	493677.33, 3860552.55	2.39E-03	7.54E-07	3.20E-07	2.58E-03	8.15E-07	3.46E-07	4.11E-03	1.30E-06	5.50E-07
1383	493727.33, 3860552.55	2.38E-03	7.52E-07	3.19E-07	2.57E-03	8.12E-07	3.44E-07	4.09E-03	1.29E-06	5.48E-07
1384	493777.33, 3860552.55	2.38E-03	7.50E-07	3.18E-07	2.57E-03	8.10E-07	3.44E-07	4.08E-03	1.29E-06	5.47E-07
1385	493827.33, 3860552.55	2.37E-03	7.49E-07	3.18E-07	2.56E-03	8.09E-07	3.43E-07	4.08E-03	1.29E-06	5.46E-07
1386	493877.33, 3860552.55	2.37E-03	7.47E-07	3.17E-07	2.56E-03	8.07E-07	3.42E-07	4.07E-03	1.28E-06	5.45E-07
1387	493927.33, 3860552.55	2.36E-03	7.46E-07	3.16E-07	2.55E-03	8.05E-07	3.42E-07	4.06E-03	1.28E-06	5.44E-07
1388	493977.33, 3860552.55	2.36E-03	7.44E-07	3.16E-07	2.55E-03	8.04E-07	3.41E-07	4.05E-03	1.28E-06	5.43E-07
1389	494027.33, 3860552.55	2.35E-03	7.42E-07	3.15E-07	2.54E-03	8.01E-07	3.40E-07	4.04E-03	1.28E-06	5.41E-07
1390	493627.33, 3860602.55	2.35E-03	7.42E-07	3.15E-07	2.54E-03	8.01E-07	3.40E-07	4.04E-03	1.27E-06	5.40E-07
1391	493727.33, 3860602.55	2.33E-03	7.36E-07	3.12E-07	2.52E-03	7.94E-07	3.37E-07	4.00E-03	1.26E-06	5.36E-07
1392	493777.33, 3860602.55	2.33E-03	7.35E-07	3.12E-07	2.52E-03	7.94E-07	3.37E-07	4.00E-03	1.26E-06	5.36E-07
1393	493827.33, 3860602.55	2.32E-03	7.34E-07	3.11E-07	2.51E-03	7.92E-07	3.36E-07	3.99E-03	1.26E-06	5.35E-07
1394	493877.33, 3860602.55	2.32E-03	7.33E-07	3.11E-07	2.51E-03	7.91E-07	3.36E-07	3.99E-03	1.26E-06	5.34E-07
1395	493927.33, 3860602.55	2.32E-03	7.31E-07	3.10E-07	2.50E-03	7.90E-07	3.35E-07	3.98E-03	1.26E-06	5.33E-07
1396	493977.33, 3860602.55	2.31E-03	7.30E-07	3.10E-07	2.50E-03	7.88E-07	3.34E-07	3.98E-03	1.25E-06	5.32E-07
1397	494027.33, 3860602.55	2.31E-03	7.28E-07	3.09E-07	2.49E-03	7.86E-07	3.33E-07	3.96E-03	1.25E-06	5.31E-07
1398	493627.33, 3860652.55	2.30E-03	7.26E-07	3.08E-07	2.48E-03	7.84E-07	3.32E-07	3.95E-03	1.25E-06	5.29E-07
1399	493727.33, 3860652.55	2.28E-03	7.20E-07	3.06E-07	2.46E-03	7.78E-07	3.30E-07	3.92E-03	1.24E-06	5.25E-07

1400	493777.33, 3860652.55	2.28E-03	7.20E-07	3.05E-07	2.46E-03	7.77E-07	3.30E-07	3.92E-03	1.24E-06	5.25E-07
1401	493827.33, 3860652.55	2.28E-03	7.19E-07	3.05E-07	2.46E-03	7.76E-07	3.29E-07	3.91E-03	1.24E-06	5.24E-07
1402	493877.33, 3860652.55	2.28E-03	7.18E-07	3.05E-07	2.46E-03	7.76E-07	3.29E-07	3.91E-03	1.23E-06	5.24E-07
1403	493927.33, 3860652.55	2.27E-03	7.17E-07	3.04E-07	2.45E-03	7.74E-07	3.29E-07	3.90E-03	1.23E-06	5.23E-07
1404	493977.33, 3860652.55	2.27E-03	7.15E-07	3.04E-07	2.45E-03	7.73E-07	3.28E-07	3.90E-03	1.23E-06	5.22E-07
1405	494027.33, 3860652.55	2.26E-03	7.14E-07	3.03E-07	2.44E-03	7.71E-07	3.27E-07	3.89E-03	1.23E-06	5.21E-07
1406	494311.06, 3858401.99	2.58E-03	8.13E-07	3.45E-07	2.78E-03	8.78E-07	3.73E-07	4.43E-03	1.40E-06	5.93E-07
1407	494361.06, 3858401.99	2.53E-03	7.99E-07	3.39E-07	2.73E-03	8.63E-07	3.66E-07	4.35E-03	1.37E-06	5.83E-07
1408	494411.06, 3858401.99	2.50E-03	7.89E-07	3.35E-07	2.70E-03	8.52E-07	3.61E-07	4.30E-03	1.36E-06	5.75E-07
1409	494461.06, 3858401.99	2.48E-03	7.84E-07	3.33E-07	2.68E-03	8.47E-07	3.59E-07	4.27E-03	1.35E-06	5.72E-07
1410	494511.06, 3858401.99	2.45E-03	7.73E-07	3.28E-07	2.65E-03	8.35E-07	3.54E-07	4.21E-03	1.33E-06	5.64E-07
1411	494561.06, 3858401.99	2.43E-03	7.68E-07	3.26E-07	2.63E-03	8.29E-07	3.52E-07	4.18E-03	1.32E-06	5.60E-07
1412	494611.06, 3858401.99	2.40E-03	7.57E-07	3.21E-07	2.59E-03	8.18E-07	3.47E-07	4.12E-03	1.30E-06	5.52E-07
1413	494661.06, 3858401.99	2.37E-03	7.48E-07	3.17E-07	2.56E-03	8.08E-07	3.43E-07	4.08E-03	1.29E-06	5.46E-07
1414	494711.06, 3858401.99	2.33E-03	7.35E-07	3.12E-07	2.51E-03	7.93E-07	3.37E-07	4.00E-03	1.26E-06	5.36E-07
1415	494761.06, 3858401.99	2.31E-03	7.28E-07	3.09E-07	2.49E-03	7.86E-07	3.33E-07	3.96E-03	1.25E-06	5.31E-07
1416	494811.06, 3858401.99	2.27E-03	7.18E-07	3.04E-07	2.45E-03	7.75E-07	3.29E-07	3.91E-03	1.23E-06	5.23E-07
1417	494861.06, 3858401.99	2.24E-03	7.08E-07	3.01E-07	2.42E-03	7.65E-07	3.25E-07	3.86E-03	1.22E-06	5.17E-07
1418	494911.06, 3858401.99	2.22E-03	7.00E-07	2.97E-07	2.39E-03	7.55E-07	3.21E-07	3.81E-03	1.20E-06	5.10E-07
1419	494961.06, 3858401.99	2.19E-03	6.90E-07	2.93E-07	2.36E-03	7.45E-07	3.16E-07	3.76E-03	1.19E-06	5.03E-07
1420	495011.06, 3858401.99	2.15E-03	6.79E-07	2.88E-07	2.32E-03	7.33E-07	3.11E-07	3.70E-03	1.17E-06	4.95E-07
1421	495061.06, 3858401.99	2.12E-03	6.69E-07	2.84E-07	2.29E-03	7.23E-07	3.07E-07	3.64E-03	1.15E-06	4.88E-07
1422	495111.06, 3858401.99	2.07E-03	6.52E-07	2.77E-07	2.23E-03	7.04E-07	2.99E-07	3.55E-03	1.12E-06	4.76E-07
1423	495161.06, 3858401.99	2.06E-03	6.49E-07	2.75E-07	2.22E-03	7.01E-07	2.97E-07	3.53E-03	1.12E-06	4.73E-07
1424	495211.06, 3858401.99	2.01E-03	6.34E-07	2.69E-07	2.17E-03	6.85E-07	2.91E-07	3.45E-03	1.09E-06	4.62E-07
1425	495261.06, 3858401.99	1.98E-03	6.26E-07	2.66E-07	2.14E-03	6.76E-07	2.87E-07	3.41E-03	1.08E-06	4.57E-07
1426	495311.06, 3858401.99	1.96E-03	6.18E-07	2.62E-07	2.11E-03	6.67E-07	2.83E-07	3.36E-03	1.06E-06	4.51E-07
1427	495361.06, 3858401.99	1.94E-03	6.12E-07	2.60E-07	2.09E-03	6.61E-07	2.80E-07	3.33E-03	1.05E-06	4.46E-07
1428	495411.06, 3858401.99	1.93E-03	6.09E-07	2.58E-07	2.08E-03	6.57E-07	2.79E-07	3.31E-03	1.05E-06	4.44E-07
1429	495461.06, 3858401.99	1.92E-03	6.06E-07	2.57E-07	2.07E-03	6.55E-07	2.78E-07	3.30E-03	1.04E-06	4.42E-07
1430	495511.06, 3858401.99	1.91E-03	6.03E-07	2.56E-07	2.06E-03	6.51E-07	2.76E-07	3.28E-03	1.04E-06	4.40E-07
1431	495561.06, 3858401.99	1.89E-03	5.95E-07	2.52E-07	2.04E-03	6.43E-07	2.73E-07	3.24E-03	1.02E-06	4.34E-07
1432	495611.06, 3858401.99	1.88E-03	5.92E-07	2.51E-07	2.03E-03	6.39E-07	2.71E-07	3.22E-03	1.02E-06	4.32E-07
1433	495661.06, 3858401.99	1.89E-03	5.96E-07	2.53E-07	2.04E-03	6.43E-07	2.73E-07	3.24E-03	1.02E-06	4.34E-07
1434	494311.06, 3858451.99	2.63E-03	8.30E-07	3.52E-07	2.84E-03	8.96E-07	3.80E-07	4.52E-03	1.43E-06	6.05E-07
1435	494361.06, 3858451.99	2.59E-03	8.17E-07	3.47E-07	2.80E-03	8.83E-07	3.75E-07	4.45E-03	1.41E-06	5.96E-07
1436	494411.06, 3858451.99	2.56E-03	8.07E-07	3.43E-07	2.76E-03	8.72E-07	3.70E-07	4.40E-03	1.39E-06	5.89E-07
1437	494461.06, 3858451.99	2.53E-03	7.98E-07	3.39E-07	2.73E-03	8.62E-07	3.66E-07	4.35E-03	1.37E-06	5.82E-07
1438	494511.06, 3858451.99	2.51E-03	7.93E-07	3.36E-07	2.71E-03	8.56E-07	3.63E-07	4.32E-03	1.36E-06	5.78E-07
1439	494561.06, 3858451.99	2.48E-03	7.82E-07	3.32E-07	2.67E-03	8.44E-07	3.58E-07	4.26E-03	1.34E-06	5.70E-07
1440	494611.06, 3858451.99	2.45E-03	7.73E-07	3.28E-07	2.65E-03	8.35E-07	3.54E-07	4.21E-03	1.33E-06	5.64E-07
1441	494661.06, 3858451.99	2.42E-03	7.64E-07	3.24E-07	2.61E-03	8.25E-07	3.50E-07	4.16E-03	1.31E-06	5.57E-07
1442	494711.06, 3858451.99	2.38E-03	7.52E-07	3.19E-07	2.57E-03	8.12E-07	3.45E-07	4.10E-03	1.29E-06	5.49E-07
1443	494761.06, 3858451.99	2.35E-03	7.41E-07	3.14E-07	2.53E-03	8.00E-07	3.39E-07	4.04E-03	1.27E-06	5.40E-07
1444	494811.06, 3858451.99	2.32E-03	7.31E-07	3.10E-07	2.50E-03	7.90E-07	3.35E-07	3.98E-03	1.26E-06	5.33E-07
1445	494861.06, 3858451.99	2.28E-03	7.21E-07	3.06E-07	2.47E-03	7.78E-07	3.30E-07	3.93E-03	1.24E-06	5.26E-07
1446	494911.06, 3858451.99	2.24E-03	7.08E-07	3.00E-07	2.42E-03	7.64E-07	3.24E-07	3.85E-03	1.22E-06	5.16E-07
1447	494961.06, 3858451.99	2.21E-03	6.97E-07	2.96E-07	2.38E-03	7.53E-07	3.19E-07	3.80E-03	1.20E-06	5.08E-07
1448	495011.06, 3858451.99	2.17E-03	6.85E-07	2.90E-07	2.34E-03	7.39E-07	3.14E-07	3.73E-03	1.18E-06	4.99E-07
1449	495061.06, 3858451.99	2.15E-03	6.79E-07	2.88E-07	2.32E-03	7.33E-07	3.11E-07	3.70E-03	1.17E-06	4.95E-07
1450	495111.06, 3858451.99	2.11E-03	6.67E-07	2.83E-07	2.28E-03	7.20E-07	3.05E-07	3.63E-03	1.15E-06	4.86E-07
1451	495161.06, 3858451.99	2.07E-03	6.53E-07	2.77E-07	2.23E-03	7.05E-07	2.99E-07	3.56E-03	1.12E-06	4.76E-07
1452	495211.06, 3858451.99	2.03E-03	6.41E-07	2.72E-07	2.19E-03	6.92E-07	2.94E-07	3.49E-03	1.10E-06	4.67E-07
1453	495261.06, 3858451.99	2.01E-03	6.33E-07	2.69E-07	2.17E-03	6.84E-07	2.90E-07	3.45E-03	1.09E-06	4.62E-07
1454	495311.06, 3858451.99	1.99E-03	6.27E-07	2.66E-07	2.14E-03	6.77E-07	2.87E-07	3.41E-03	1.08E-06	4.57E-07
1455	495361.06, 3858451.99	1.97E-03	6.21E-07	2.64E-07	2.12E-03	6.71E-07	2.85E-07	3.38E-03	1.07E-06	4.53E-07
1456	495411.06, 3858451.99	1.96E-03	6.18E-07	2.62E-07	2.12E-03	6.68E-07	2.83E-07	3.37E-03	1.06E-06	4.51E-07
1457	495461.06, 3858451.99	1.95E-03	6.16E-07	2.61E-07	2.11E-03	6.65E-07	2.82E-07	3.36E-03	1.06E-06	4.49E-07
1458	495511.06, 3858451.99	1.93E-03	6.10E-07	2.59E-07	2.09E-03	6.59E-07	2.79E-07	3.32E-03	1.05E-06	4.45E-07
1459	495561.06, 3858451.99	1.93E-03	6.10E-07	2.59E-07	2.09E-03	6.59E-07	2.80E-07	3.32E-03	1.05E-06	4.45E-07
1460	495611.06, 3858451.99	1.91E-03	6.03E-07	2.56E-07	2.06E-03	6.51E-07	2.76E-07	3.28E-03	1.04E-06	4.39E-07

1461	495661.06, 3858451.99	1.91E-03	6.01E-07	2.55E-07	2.06E-03	6.49E-07	2.75E-07	3.27E-03	1.03E-06	4.38E-07
1462	494311.06, 3858501.99	2.64E-03	8.32E-07	3.53E-07	2.85E-03	8.98E-07	3.81E-07	4.53E-03	1.43E-06	6.07E-07
1463	494361.06, 3858501.99	2.61E-03	8.24E-07	3.49E-07	2.82E-03	8.89E-07	3.77E-07	4.49E-03	1.42E-06	6.01E-07
1464	494411.06, 3858501.99	2.58E-03	8.14E-07	3.46E-07	2.79E-03	8.79E-07	3.73E-07	4.44E-03	1.40E-06	5.94E-07
1465	494461.06, 3858501.99	2.56E-03	8.08E-07	3.43E-07	2.77E-03	8.73E-07	3.70E-07	4.40E-03	1.39E-06	5.90E-07
1466	494511.06, 3858501.99	2.52E-03	7.96E-07	3.38E-07	2.72E-03	8.60E-07	3.65E-07	4.34E-03	1.37E-06	5.81E-07
1467	494561.06, 3858501.99	2.52E-03	7.96E-07	3.38E-07	2.72E-03	8.60E-07	3.65E-07	4.34E-03	1.37E-06	5.81E-07
1468	494611.06, 3858501.99	2.49E-03	7.86E-07	3.33E-07	2.69E-03	8.49E-07	3.60E-07	4.28E-03	1.35E-06	5.73E-07
1469	494661.06, 3858501.99	2.47E-03	7.79E-07	3.30E-07	2.66E-03	8.41E-07	3.57E-07	4.24E-03	1.34E-06	5.68E-07
1470	494711.06, 3858501.99	2.43E-03	7.67E-07	3.25E-07	2.62E-03	8.28E-07	3.51E-07	4.18E-03	1.32E-06	5.59E-07
1471	494761.06, 3858501.99	2.39E-03	7.54E-07	3.20E-07	2.58E-03	8.14E-07	3.45E-07	4.10E-03	1.30E-06	5.50E-07
1472	494811.06, 3858501.99	2.35E-03	7.41E-07	3.14E-07	2.54E-03	8.00E-07	3.40E-07	4.04E-03	1.27E-06	5.41E-07
1473	494861.06, 3858501.99	2.32E-03	7.33E-07	3.11E-07	2.51E-03	7.91E-07	3.36E-07	3.99E-03	1.26E-06	5.34E-07
1474	494911.06, 3858501.99	2.27E-03	7.16E-07	3.04E-07	2.45E-03	7.73E-07	3.28E-07	3.90E-03	1.23E-06	5.22E-07
1475	494961.06, 3858501.99	2.24E-03	7.07E-07	3.00E-07	2.42E-03	7.64E-07	3.24E-07	3.85E-03	1.22E-06	5.16E-07
1476	495011.06, 3858501.99	2.20E-03	6.93E-07	2.94E-07	2.37E-03	7.49E-07	3.18E-07	3.77E-03	1.19E-06	5.05E-07
1477	495061.06, 3858501.99	2.18E-03	6.87E-07	2.92E-07	2.35E-03	7.42E-07	3.15E-07	3.74E-03	1.18E-06	5.01E-07
1478	495111.06, 3858501.99	2.12E-03	6.70E-07	2.84E-07	2.29E-03	7.23E-07	3.07E-07	3.65E-03	1.15E-06	4.88E-07
1479	495161.06, 3858501.99	2.09E-03	6.59E-07	2.80E-07	2.25E-03	7.11E-07	3.02E-07	3.59E-03	1.13E-06	4.80E-07
1480	495211.06, 3858501.99	2.05E-03	6.48E-07	2.75E-07	2.22E-03	7.00E-07	2.97E-07	3.53E-03	1.11E-06	4.73E-07
1481	495261.06, 3858501.99	2.03E-03	6.40E-07	2.72E-07	2.19E-03	6.91E-07	2.93E-07	3.49E-03	1.10E-06	4.67E-07
1482	495311.06, 3858501.99	2.01E-03	6.36E-07	2.70E-07	2.17E-03	6.86E-07	2.91E-07	3.46E-03	1.09E-06	4.63E-07
1483	495361.06, 3858501.99	2.00E-03	6.31E-07	2.68E-07	2.16E-03	6.82E-07	2.89E-07	3.44E-03	1.08E-06	4.60E-07
1484	495411.06, 3858501.99	1.99E-03	6.28E-07	2.67E-07	2.15E-03	6.78E-07	2.88E-07	3.42E-03	1.08E-06	4.58E-07
1485	495461.06, 3858501.99	1.98E-03	6.25E-07	2.65E-07	2.14E-03	6.75E-07	2.87E-07	3.41E-03	1.07E-06	4.56E-07
1486	495511.06, 3858501.99	1.97E-03	6.21E-07	2.64E-07	2.13E-03	6.71E-07	2.85E-07	3.38E-03	1.07E-06	4.53E-07
1487	495561.06, 3858501.99	1.97E-03	6.21E-07	2.64E-07	2.13E-03	6.71E-07	2.85E-07	3.38E-03	1.07E-06	4.53E-07
1488	495611.06, 3858501.99	1.94E-03	6.13E-07	2.60E-07	2.10E-03	6.62E-07	2.81E-07	3.34E-03	1.05E-06	4.47E-07
1489	495661.06, 3858501.99	1.94E-03	6.13E-07	2.60E-07	2.10E-03	6.62E-07	2.81E-07	3.34E-03	1.05E-06	4.47E-07
1490	494311.06, 3858551.99	2.59E-03	8.17E-07	3.47E-07	2.79E-03	8.82E-07	3.74E-07	4.45E-03	1.40E-06	5.96E-07
1491	494361.06, 3858551.99	2.60E-03	8.21E-07	3.48E-07	2.81E-03	8.87E-07	3.76E-07	4.47E-03	1.41E-06	5.99E-07
1492	494411.06, 3858551.99	2.62E-03	8.27E-07	3.51E-07	2.83E-03	8.93E-07	3.79E-07	4.50E-03	1.42E-06	6.03E-07
1493	494461.06, 3858551.99	2.61E-03	8.24E-07	3.50E-07	2.82E-03	8.90E-07	3.77E-07	4.49E-03	1.42E-06	6.01E-07
1494	494511.06, 3858551.99	2.59E-03	8.17E-07	3.47E-07	2.79E-03	8.82E-07	3.74E-07	4.45E-03	1.40E-06	5.96E-07
1495	494561.06, 3858551.99	2.57E-03	8.10E-07	3.44E-07	2.77E-03	8.75E-07	3.71E-07	4.41E-03	1.39E-06	5.91E-07
1496	494611.06, 3858551.99	2.54E-03	8.02E-07	3.40E-07	2.74E-03	8.66E-07	3.67E-07	4.37E-03	1.38E-06	5.85E-07
1497	494661.06, 3858551.99	2.52E-03	7.94E-07	3.37E-07	2.72E-03	8.58E-07	3.64E-07	4.33E-03	1.37E-06	5.79E-07
1498	494711.06, 3858551.99	2.47E-03	7.81E-07	3.31E-07	2.67E-03	8.43E-07	3.58E-07	4.25E-03	1.34E-06	5.70E-07
1499	494761.06, 3858551.99	2.43E-03	7.68E-07	3.26E-07	2.63E-03	8.29E-07	3.52E-07	4.18E-03	1.32E-06	5.60E-07
1500	494811.06, 3858551.99	2.40E-03	7.57E-07	3.21E-07	2.59E-03	8.18E-07	3.47E-07	4.13E-03	1.30E-06	5.52E-07
1501	494861.06, 3858551.99	2.36E-03	7.44E-07	3.16E-07	2.55E-03	8.04E-07	3.41E-07	4.05E-03	1.28E-06	5.43E-07
1502	494911.06, 3858551.99	2.31E-03	7.30E-07	3.10E-07	2.50E-03	7.88E-07	3.34E-07	3.97E-03	1.25E-06	5.32E-07
1503	494961.06, 3858551.99	2.27E-03	7.18E-07	3.05E-07	2.46E-03	7.75E-07	3.29E-07	3.91E-03	1.23E-06	5.24E-07
1504	495011.06, 3858551.99	2.23E-03	7.03E-07	2.98E-07	2.41E-03	7.59E-07	3.22E-07	3.83E-03	1.21E-06	5.13E-07
1505	495061.06, 3858551.99	2.20E-03	6.94E-07	2.95E-07	2.37E-03	7.50E-07	3.18E-07	3.78E-03	1.19E-06	5.06E-07
1506	495111.06, 3858551.99	2.14E-03	6.77E-07	2.87E-07	2.32E-03	7.31E-07	3.10E-07	3.68E-03	1.16E-06	4.93E-07
1507	495161.06, 3858551.99	2.11E-03	6.66E-07	2.82E-07	2.28E-03	7.19E-07	3.05E-07	3.62E-03	1.14E-06	4.85E-07
1508	495211.06, 3858551.99	2.08E-03	6.56E-07	2.78E-07	2.24E-03	7.08E-07	3.00E-07	3.57E-03	1.13E-06	4.78E-07
1509	495261.06, 3858551.99	2.06E-03	6.49E-07	2.75E-07	2.22E-03	7.01E-07	2.97E-07	3.53E-03	1.11E-06	4.73E-07
1510	495311.06, 3858551.99	2.04E-03	6.45E-07	2.74E-07	2.21E-03	6.97E-07	2.96E-07	3.51E-03	1.11E-06	4.70E-07
1511	495361.06, 3858551.99	2.03E-03	6.41E-07	2.72E-07	2.19E-03	6.92E-07	2.94E-07	3.49E-03	1.10E-06	4.67E-07
1512	495411.06, 3858551.99	2.02E-03	6.39E-07	2.71E-07	2.19E-03	6.90E-07	2.93E-07	3.48E-03	1.10E-06	4.66E-07
1513	495461.06, 3858551.99	2.01E-03	6.35E-07	2.70E-07	2.17E-03	6.86E-07	2.91E-07	3.46E-03	1.09E-06	4.63E-07
1514	495511.06, 3858551.99	2.01E-03	6.33E-07	2.69E-07	2.17E-03	6.84E-07	2.90E-07	3.45E-03	1.09E-06	4.62E-07
1515	495561.06, 3858551.99	2.00E-03	6.30E-07	2.67E-07	2.16E-03	6.80E-07	2.89E-07	3.43E-03	1.08E-06	4.59E-07
1516	495611.06, 3858551.99	1.98E-03	6.26E-07	2.65E-07	2.14E-03	6.75E-07	2.87E-07	3.41E-03	1.08E-06	4.56E-07
1517	495661.06, 3858551.99	1.97E-03	6.21E-07	2.63E-07	2.12E-03	6.70E-07	2.84E-07	3.38E-03	1.07E-06	4.53E-07
1518	494311.06, 3858601.99	2.47E-03	7.79E-07	3.31E-07	2.67E-03	8.41E-07	3.57E-07	4.24E-03	1.34E-06	5.68E-07
1519	494361.06, 3858601.99	2.58E-03	8.15E-07	3.46E-07	2.79E-03	8.80E-07	3.74E-07	4.44E-03	1.40E-06	5.95E-07
1520	494411.06, 3858601.99	2.67E-03	8.44E-07	3.58E-07	2.89E-03	9.11E-07	3.87E-07	4.60E-03	1.45E-06	6.16E-07
1521	494461.06, 3858601.99	2.66E-03	8.40E-07	3.57E-07	2.88E-03	9.07E-07	3.85E-07	4.58E-03	1.45E-06	6.13E-07

1522	494511.06, 3858601.99	2.63E-03	8.29E-07	3.52E-07	2.84E-03	8.95E-07	3.80E-07	4.52E-03	1.43E-06	6.05E-07
1523	494561.06, 3858601.99	2.63E-03	8.29E-07	3.52E-07	2.84E-03	8.95E-07	3.80E-07	4.52E-03	1.43E-06	6.05E-07
1524	494611.06, 3858601.99	2.59E-03	8.17E-07	3.47E-07	2.80E-03	8.83E-07	3.75E-07	4.45E-03	1.41E-06	5.96E-07
1525	494661.06, 3858601.99	2.56E-03	8.09E-07	3.43E-07	2.77E-03	8.73E-07	3.71E-07	4.41E-03	1.39E-06	5.90E-07
1526	494711.06, 3858601.99	2.52E-03	7.96E-07	3.38E-07	2.72E-03	8.60E-07	3.65E-07	4.34E-03	1.37E-06	5.81E-07
1527	494761.06, 3858601.99	2.48E-03	7.83E-07	3.32E-07	2.68E-03	8.46E-07	3.59E-07	4.27E-03	1.35E-06	5.71E-07
1528	494811.06, 3858601.99	2.42E-03	7.65E-07	3.24E-07	2.62E-03	8.26E-07	3.50E-07	4.17E-03	1.31E-06	5.58E-07
1529	494861.06, 3858601.99	2.39E-03	7.55E-07	3.20E-07	2.58E-03	8.15E-07	3.46E-07	4.11E-03	1.30E-06	5.51E-07
1530	494911.06, 3858601.99	2.34E-03	7.38E-07	3.13E-07	2.52E-03	7.97E-07	3.38E-07	4.02E-03	1.27E-06	5.38E-07
1531	494961.06, 3858601.99	2.30E-03	7.26E-07	3.08E-07	2.48E-03	7.84E-07	3.33E-07	3.95E-03	1.25E-06	5.30E-07
1532	495011.06, 3858601.99	2.26E-03	7.14E-07	3.03E-07	2.44E-03	7.71E-07	3.27E-07	3.89E-03	1.23E-06	5.21E-07
1533	495061.06, 3858601.99	2.22E-03	7.01E-07	2.97E-07	2.40E-03	7.57E-07	3.21E-07	3.82E-03	1.20E-06	5.11E-07
1534	495111.06, 3858601.99	2.16E-03	6.83E-07	2.90E-07	2.34E-03	7.37E-07	3.13E-07	3.72E-03	1.17E-06	4.98E-07
1535	495161.06, 3858601.99	2.13E-03	6.72E-07	2.85E-07	2.30E-03	7.26E-07	3.08E-07	3.66E-03	1.16E-06	4.90E-07
1536	495211.06, 3858601.99	2.11E-03	6.66E-07	2.83E-07	2.28E-03	7.19E-07	3.05E-07	3.63E-03	1.14E-06	4.86E-07
1537	495261.06, 3858601.99	2.09E-03	6.58E-07	2.79E-07	2.25E-03	7.11E-07	3.02E-07	3.59E-03	1.13E-06	4.80E-07
1538	495311.06, 3858601.99	2.07E-03	6.53E-07	2.77E-07	2.23E-03	7.05E-07	2.99E-07	3.56E-03	1.12E-06	4.76E-07
1539	495361.06, 3858601.99	2.06E-03	6.50E-07	2.76E-07	2.22E-03	7.02E-07	2.98E-07	3.54E-03	1.12E-06	4.74E-07
1540	495411.06, 3858601.99	2.05E-03	6.47E-07	2.74E-07	2.21E-03	6.98E-07	2.96E-07	3.52E-03	1.11E-06	4.71E-07
1541	495461.06, 3858601.99	2.04E-03	6.44E-07	2.73E-07	2.20E-03	6.95E-07	2.95E-07	3.51E-03	1.11E-06	4.70E-07
1542	495511.06, 3858601.99	2.02E-03	6.38E-07	2.71E-07	2.18E-03	6.89E-07	2.92E-07	3.48E-03	1.10E-06	4.65E-07
1543	495561.06, 3858601.99	2.02E-03	6.37E-07	2.70E-07	2.18E-03	6.88E-07	2.92E-07	3.47E-03	1.10E-06	4.65E-07
1544	495611.06, 3858601.99	2.00E-03	6.31E-07	2.68E-07	2.16E-03	6.81E-07	2.89E-07	3.43E-03	1.08E-06	4.60E-07
1545	495661.06, 3858601.99	1.99E-03	6.29E-07	2.67E-07	2.15E-03	6.79E-07	2.88E-07	3.42E-03	1.08E-06	4.58E-07
1546	494311.06, 3858651.99	2.44E-03	7.71E-07	3.27E-07	2.64E-03	8.33E-07	3.53E-07	4.20E-03	1.32E-06	5.62E-07
1547	494361.06, 3858651.99	2.55E-03	8.06E-07	3.42E-07	2.76E-03	8.71E-07	3.69E-07	4.39E-03	1.39E-06	5.88E-07
1548	494411.06, 3858651.99	2.69E-03	8.49E-07	3.60E-07	2.90E-03	9.17E-07	3.89E-07	4.63E-03	1.46E-06	6.20E-07
1549	494461.06, 3858651.99	2.70E-03	8.54E-07	3.62E-07	2.92E-03	9.22E-07	3.91E-07	4.65E-03	1.47E-06	6.23E-07
1550	494511.06, 3858651.99	2.68E-03	8.46E-07	3.59E-07	2.90E-03	9.14E-07	3.88E-07	4.61E-03	1.46E-06	6.18E-07
1551	494561.06, 3858651.99	2.67E-03	8.41E-07	3.57E-07	2.88E-03	9.09E-07	3.85E-07	4.58E-03	1.45E-06	6.14E-07
1552	494611.06, 3858651.99	2.64E-03	8.34E-07	3.54E-07	2.85E-03	9.01E-07	3.82E-07	4.55E-03	1.43E-06	6.09E-07
1553	494661.06, 3858651.99	2.61E-03	8.23E-07	3.49E-07	2.82E-03	8.89E-07	3.77E-07	4.49E-03	1.42E-06	6.01E-07
1554	494711.06, 3858651.99	2.56E-03	8.09E-07	3.43E-07	2.77E-03	8.73E-07	3.71E-07	4.41E-03	1.39E-06	5.90E-07
1555	494761.06, 3858651.99	2.53E-03	7.97E-07	3.38E-07	2.73E-03	8.61E-07	3.65E-07	4.34E-03	1.37E-06	5.82E-07
1556	494811.06, 3858651.99	2.47E-03	7.81E-07	3.31E-07	2.67E-03	8.43E-07	3.58E-07	4.25E-03	1.34E-06	5.70E-07
1557	494861.06, 3858651.99	2.42E-03	7.65E-07	3.25E-07	2.62E-03	8.26E-07	3.51E-07	4.17E-03	1.32E-06	5.58E-07
1558	494911.06, 3858651.99	2.37E-03	7.48E-07	3.18E-07	2.56E-03	8.08E-07	3.43E-07	4.08E-03	1.29E-06	5.46E-07
1559	494961.06, 3858651.99	2.32E-03	7.34E-07	3.11E-07	2.51E-03	7.92E-07	3.36E-07	4.00E-03	1.26E-06	5.35E-07
1560	495011.06, 3858651.99	2.29E-03	7.22E-07	3.06E-07	2.47E-03	7.80E-07	3.31E-07	3.93E-03	1.24E-06	5.27E-07
1561	495061.06, 3858651.99	2.25E-03	7.09E-07	3.01E-07	2.43E-03	7.66E-07	3.25E-07	3.86E-03	1.22E-06	5.17E-07
1562	495111.06, 3858651.99	2.20E-03	6.94E-07	2.94E-07	2.37E-03	7.49E-07	3.18E-07	3.78E-03	1.19E-06	5.06E-07
1563	495161.06, 3858651.99	2.17E-03	6.84E-07	2.90E-07	2.34E-03	7.39E-07	3.14E-07	3.73E-03	1.18E-06	4.99E-07
1564	495211.06, 3858651.99	2.13E-03	6.73E-07	2.86E-07	2.30E-03	7.27E-07	3.08E-07	3.67E-03	1.16E-06	4.91E-07
1565	495261.06, 3858651.99	2.12E-03	6.70E-07	2.84E-07	2.29E-03	7.23E-07	3.07E-07	3.65E-03	1.15E-06	4.88E-07
1566	495311.06, 3858651.99	2.10E-03	6.64E-07	2.82E-07	2.27E-03	7.17E-07	3.04E-07	3.62E-03	1.14E-06	4.84E-07
1567	495361.06, 3858651.99	2.09E-03	6.60E-07	2.80E-07	2.26E-03	7.13E-07	3.03E-07	3.60E-03	1.14E-06	4.82E-07
1568	495411.06, 3858651.99	2.08E-03	6.58E-07	2.79E-07	2.25E-03	7.11E-07	3.01E-07	3.58E-03	1.13E-06	4.80E-07
1569	495461.06, 3858651.99	2.08E-03	6.57E-07	2.79E-07	2.25E-03	7.10E-07	3.01E-07	3.58E-03	1.13E-06	4.79E-07
1570	495511.06, 3858651.99	2.06E-03	6.51E-07	2.76E-07	2.23E-03	7.02E-07	2.98E-07	3.54E-03	1.12E-06	4.74E-07
1571	495561.06, 3858651.99	2.05E-03	6.46E-07	2.74E-07	2.21E-03	6.97E-07	2.96E-07	3.52E-03	1.11E-06	4.71E-07
1572	495611.06, 3858651.99	2.02E-03	6.38E-07	2.71E-07	2.18E-03	6.89E-07	2.92E-07	3.47E-03	1.10E-06	4.65E-07
1573	495661.06, 3858651.99	2.01E-03	6.35E-07	2.70E-07	2.17E-03	6.86E-07	2.91E-07	3.46E-03	1.09E-06	4.63E-07
1574	494311.06, 3858701.99	2.47E-03	7.81E-07	3.31E-07	2.67E-03	8.43E-07	3.58E-07	4.25E-03	1.34E-06	5.69E-07
1575	494361.06, 3858701.99	2.63E-03	8.31E-07	3.53E-07	2.84E-03	8.98E-07	3.81E-07	4.53E-03	1.43E-06	6.07E-07
1576	494411.06, 3858701.99	2.73E-03	8.61E-07	3.65E-07	2.95E-03	9.30E-07	3.95E-07	4.69E-03	1.48E-06	6.28E-07
1577	494461.06, 3858701.99	2.73E-03	8.60E-07	3.65E-07	2.94E-03	9.29E-07	3.94E-07	4.69E-03	1.48E-06	6.28E-07
1578	494511.06, 3858701.99	2.72E-03	8.60E-07	3.65E-07	2.94E-03	9.28E-07	3.94E-07	4.69E-03	1.48E-06	6.28E-07
1579	494561.06, 3858701.99	2.70E-03	8.53E-07	3.62E-07	2.92E-03	9.21E-07	3.91E-07	4.65E-03	1.47E-06	6.23E-07
1580	494611.06, 3858701.99	2.65E-03	8.35E-07	3.54E-07	2.86E-03	9.02E-07	3.83E-07	4.55E-03	1.44E-06	6.10E-07
1581	494661.06, 3858701.99	2.64E-03	8.33E-07	3.54E-07	2.85E-03	9.00E-07	3.82E-07	4.54E-03	1.43E-06	6.08E-07
1582	494711.06, 3858701.99	2.53E-03	7.97E-07	3.38E-07	2.73E-03	8.61E-07	3.65E-07	4.34E-03	1.37E-06	5.82E-07

1583	494761.06, 3858701.99	2.55E-03	8.03E-07	3.41E-07	2.75E-03	8.67E-07	3.68E-07	4.38E-03	1.38E-06	5.86E-07
1584	494811.06, 3858701.99	2.49E-03	7.87E-07	3.34E-07	2.69E-03	8.49E-07	3.60E-07	4.29E-03	1.35E-06	5.74E-07
1585	494861.06, 3858701.99	2.45E-03	7.73E-07	3.28E-07	2.65E-03	8.35E-07	3.54E-07	4.21E-03	1.33E-06	5.64E-07
1586	494911.06, 3858701.99	2.41E-03	7.62E-07	3.23E-07	2.61E-03	8.22E-07	3.49E-07	4.15E-03	1.31E-06	5.56E-07
1587	494961.06, 3858701.99	2.34E-03	7.39E-07	3.13E-07	2.53E-03	7.98E-07	3.38E-07	4.02E-03	1.27E-06	5.39E-07
1588	495011.06, 3858701.99	2.30E-03	7.25E-07	3.07E-07	2.48E-03	7.82E-07	3.32E-07	3.95E-03	1.25E-06	5.28E-07
1589	495061.06, 3858701.99	2.27E-03	7.18E-07	3.05E-07	2.46E-03	7.75E-07	3.29E-07	3.91E-03	1.23E-06	5.24E-07
1590	495111.06, 3858701.99	2.22E-03	7.02E-07	2.98E-07	2.40E-03	7.58E-07	3.22E-07	3.82E-03	1.21E-06	5.12E-07
1591	495161.06, 3858701.99	2.20E-03	6.94E-07	2.94E-07	2.37E-03	7.49E-07	3.18E-07	3.78E-03	1.19E-06	5.06E-07
1592	495211.06, 3858701.99	2.16E-03	6.83E-07	2.90E-07	2.34E-03	7.37E-07	3.13E-07	3.72E-03	1.17E-06	4.98E-07
1593	495261.06, 3858701.99	2.15E-03	6.80E-07	2.88E-07	2.32E-03	7.34E-07	3.11E-07	3.70E-03	1.17E-06	4.96E-07
1594	495311.06, 3858701.99	2.14E-03	6.77E-07	2.87E-07	2.31E-03	7.31E-07	3.10E-07	3.68E-03	1.16E-06	4.93E-07
1595	495361.06, 3858701.99	2.13E-03	6.72E-07	2.85E-07	2.30E-03	7.26E-07	3.08E-07	3.66E-03	1.15E-06	4.90E-07
1596	495411.06, 3858701.99	2.12E-03	6.70E-07	2.84E-07	2.29E-03	7.24E-07	3.07E-07	3.65E-03	1.15E-06	4.89E-07
1597	495461.06, 3858701.99	2.11E-03	6.67E-07	2.83E-07	2.28E-03	7.20E-07	3.06E-07	3.63E-03	1.15E-06	4.86E-07
1598	495511.06, 3858701.99	2.10E-03	6.62E-07	2.81E-07	2.26E-03	7.14E-07	3.03E-07	3.60E-03	1.14E-06	4.82E-07
1599	495561.06, 3858701.99	2.08E-03	6.55E-07	2.78E-07	2.24E-03	7.07E-07	3.00E-07	3.57E-03	1.13E-06	4.78E-07
1600	495611.06, 3858701.99	2.06E-03	6.49E-07	2.75E-07	2.22E-03	7.00E-07	2.97E-07	3.53E-03	1.11E-06	4.73E-07
1601	495661.06, 3858701.99	2.04E-03	6.45E-07	2.73E-07	2.21E-03	6.96E-07	2.95E-07	3.51E-03	1.11E-06	4.70E-07
1602	494311.06, 3858751.99	2.51E-03	7.93E-07	3.37E-07	2.71E-03	8.57E-07	3.64E-07	4.32E-03	1.36E-06	5.79E-07
1603	494361.06, 3858751.99	2.70E-03	8.53E-07	3.62E-07	2.92E-03	9.21E-07	3.91E-07	4.65E-03	1.47E-06	6.23E-07
1604	494411.06, 3858751.99	2.77E-03	8.76E-07	3.72E-07	3.00E-03	9.46E-07	4.01E-07	4.77E-03	1.51E-06	6.39E-07
1605	494461.06, 3858751.99	2.77E-03	8.75E-07	3.71E-07	2.99E-03	9.44E-07	4.01E-07	4.77E-03	1.50E-06	6.38E-07
1606	494511.06, 3858751.99	2.78E-03	8.77E-07	3.72E-07	3.00E-03	9.47E-07	4.02E-07	4.78E-03	1.51E-06	6.40E-07
1607	494561.06, 3858751.99	2.74E-03	8.65E-07	3.67E-07	2.96E-03	9.34E-07	3.96E-07	4.71E-03	1.49E-06	6.31E-07
1608	494611.06, 3858751.99	2.69E-03	8.50E-07	3.61E-07	2.91E-03	9.18E-07	3.90E-07	4.63E-03	1.46E-06	6.21E-07
1609	494661.06, 3858751.99	2.66E-03	8.41E-07	3.57E-07	2.88E-03	9.08E-07	3.85E-07	4.58E-03	1.45E-06	6.14E-07
1610	494711.06, 3858751.99	2.60E-03	8.19E-07	3.48E-07	2.80E-03	8.85E-07	3.75E-07	4.47E-03	1.41E-06	5.98E-07
1611	494761.06, 3858751.99	2.58E-03	8.14E-07	3.45E-07	2.78E-03	8.79E-07	3.73E-07	4.44E-03	1.40E-06	5.94E-07
1612	494811.06, 3858751.99	2.52E-03	7.96E-07	3.38E-07	2.72E-03	8.59E-07	3.65E-07	4.34E-03	1.37E-06	5.81E-07
1613	494861.06, 3858751.99	2.47E-03	7.80E-07	3.31E-07	2.67E-03	8.42E-07	3.57E-07	4.25E-03	1.34E-06	5.69E-07
1614	494911.06, 3858751.99	2.41E-03	7.62E-07	3.23E-07	2.61E-03	8.23E-07	3.49E-07	4.15E-03	1.31E-06	5.56E-07
1615	494961.06, 3858751.99	2.37E-03	7.50E-07	3.18E-07	2.56E-03	8.09E-07	3.43E-07	4.08E-03	1.29E-06	5.47E-07
1616	495011.06, 3858751.99	2.35E-03	7.41E-07	3.14E-07	2.53E-03	8.00E-07	3.39E-07	4.04E-03	1.27E-06	5.40E-07
1617	495061.06, 3858751.99	2.31E-03	7.28E-07	3.09E-07	2.49E-03	7.86E-07	3.33E-07	3.96E-03	1.25E-06	5.31E-07
1618	495111.06, 3858751.99	2.26E-03	7.12E-07	3.02E-07	2.44E-03	7.69E-07	3.26E-07	3.88E-03	1.22E-06	5.20E-07
1619	495161.06, 3858751.99	2.23E-03	7.04E-07	2.99E-07	2.41E-03	7.60E-07	3.22E-07	3.83E-03	1.21E-06	5.13E-07
1620	495211.06, 3858751.99	2.19E-03	6.93E-07	2.94E-07	2.37E-03	7.48E-07	3.17E-07	3.77E-03	1.19E-06	5.05E-07
1621	495261.06, 3858751.99	2.18E-03	6.89E-07	2.92E-07	2.36E-03	7.44E-07	3.16E-07	3.75E-03	1.18E-06	5.02E-07
1622	495311.06, 3858751.99	2.17E-03	6.86E-07	2.91E-07	2.35E-03	7.41E-07	3.14E-07	3.74E-03	1.18E-06	5.00E-07
1623	495361.06, 3858751.99	2.16E-03	6.82E-07	2.89E-07	2.33E-03	7.36E-07	3.12E-07	3.71E-03	1.17E-06	4.97E-07
1624	495411.06, 3858751.99	2.16E-03	6.81E-07	2.89E-07	2.33E-03	7.35E-07	3.12E-07	3.71E-03	1.17E-06	4.97E-07
1625	495461.06, 3858751.99	2.15E-03	6.77E-07	2.87E-07	2.32E-03	7.32E-07	3.10E-07	3.69E-03	1.16E-06	4.94E-07
1626	495511.06, 3858751.99	2.13E-03	6.72E-07	2.85E-07	2.30E-03	7.26E-07	3.08E-07	3.66E-03	1.16E-06	4.90E-07
1627	495561.06, 3858751.99	2.11E-03	6.66E-07	2.82E-07	2.28E-03	7.19E-07	3.05E-07	3.63E-03	1.14E-06	4.86E-07
1628	495611.06, 3858751.99	2.09E-03	6.60E-07	2.80E-07	2.26E-03	7.12E-07	3.02E-07	3.59E-03	1.13E-06	4.81E-07
1629	495661.06, 3858751.99	2.07E-03	6.55E-07	2.78E-07	2.24E-03	7.07E-07	3.00E-07	3.57E-03	1.13E-06	4.77E-07
1630	494311.06, 3858801.99	2.59E-03	8.18E-07	3.47E-07	2.80E-03	8.83E-07	3.75E-07	4.45E-03	1.41E-06	5.96E-07
1631	494361.06, 3858801.99	2.76E-03	8.70E-07	3.69E-07	2.98E-03	9.40E-07	3.99E-07	4.74E-03	1.50E-06	6.35E-07
1632	494411.06, 3858801.99	2.79E-03	8.82E-07	3.74E-07	3.02E-03	9.52E-07	4.04E-07	4.81E-03	1.52E-06	6.44E-07
1633	494461.06, 3858801.99	2.81E-03	8.87E-07	3.76E-07	3.03E-03	9.57E-07	4.06E-07	4.83E-03	1.53E-06	6.47E-07
1634	494511.06, 3858801.99	2.82E-03	8.90E-07	3.78E-07	3.05E-03	9.61E-07	4.08E-07	4.85E-03	1.53E-06	6.50E-07
1635	494561.06, 3858801.99	2.80E-03	8.85E-07	3.75E-07	3.03E-03	9.56E-07	4.05E-07	4.82E-03	1.52E-06	6.46E-07
1636	494611.06, 3858801.99	2.77E-03	8.75E-07	3.71E-07	3.00E-03	9.45E-07	4.01E-07	4.77E-03	1.51E-06	6.39E-07
1637	494661.06, 3858801.99	2.73E-03	8.60E-07	3.65E-07	2.94E-03	9.29E-07	3.94E-07	4.69E-03	1.48E-06	6.28E-07
1638	494711.06, 3858801.99	2.67E-03	8.42E-07	3.57E-07	2.88E-03	9.09E-07	3.86E-07	4.59E-03	1.45E-06	6.15E-07
1639	494761.06, 3858801.99	2.60E-03	8.21E-07	3.48E-07	2.81E-03	8.87E-07	3.76E-07	4.48E-03	1.41E-06	5.99E-07
1640	494811.06, 3858801.99	2.53E-03	8.00E-07	3.39E-07	2.74E-03	8.64E-07	3.67E-07	4.36E-03	1.38E-06	5.84E-07
1641	494861.06, 3858801.99	2.50E-03	7.89E-07	3.35E-07	2.70E-03	8.52E-07	3.61E-07	4.30E-03	1.36E-06	5.76E-07
1642	494911.06, 3858801.99	2.45E-03	7.72E-07	3.27E-07	2.64E-03	8.33E-07	3.54E-07	4.21E-03	1.33E-06	5.63E-07
1643	494961.06, 3858801.99	2.41E-03	7.59E-07	3.22E-07	2.60E-03	8.20E-07	3.48E-07	4.14E-03	1.31E-06	5.54E-07

1644	495011.06, 3858801.99	2.36E-03	7.46E-07	3.17E-07	2.55E-03	8.06E-07	3.42E-07	4.06E-03	1.28E-06	5.44E-07
1645	495061.06, 3858801.99	2.34E-03	7.38E-07	3.13E-07	2.52E-03	7.96E-07	3.38E-07	4.02E-03	1.27E-06	5.38E-07
1646	495111.06, 3858801.99	2.28E-03	7.20E-07	3.06E-07	2.47E-03	7.78E-07	3.30E-07	3.92E-03	1.24E-06	5.26E-07
1647	495161.06, 3858801.99	2.24E-03	7.08E-07	3.01E-07	2.42E-03	7.65E-07	3.25E-07	3.86E-03	1.22E-06	5.17E-07
1648	495211.06, 3858801.99	2.22E-03	7.02E-07	2.98E-07	2.40E-03	7.58E-07	3.21E-07	3.82E-03	1.21E-06	5.12E-07
1649	495261.06, 3858801.99	2.21E-03	6.98E-07	2.96E-07	2.39E-03	7.54E-07	3.20E-07	3.80E-03	1.20E-06	5.09E-07
1650	495311.06, 3858801.99	2.21E-03	6.96E-07	2.95E-07	2.38E-03	7.52E-07	3.19E-07	3.79E-03	1.20E-06	5.08E-07
1651	495361.06, 3858801.99	2.19E-03	6.92E-07	2.94E-07	2.37E-03	7.48E-07	3.17E-07	3.77E-03	1.19E-06	5.05E-07
1652	495411.06, 3858801.99	2.20E-03	6.94E-07	2.94E-07	2.37E-03	7.49E-07	3.18E-07	3.78E-03	1.19E-06	5.06E-07
1653	495461.06, 3858801.99	2.18E-03	6.89E-07	2.92E-07	2.36E-03	7.44E-07	3.16E-07	3.75E-03	1.18E-06	5.03E-07
1654	495511.06, 3858801.99	2.16E-03	6.83E-07	2.90E-07	2.34E-03	7.37E-07	3.13E-07	3.72E-03	1.17E-06	4.98E-07
1655	495561.06, 3858801.99	2.15E-03	6.77E-07	2.87E-07	2.32E-03	7.31E-07	3.10E-07	3.69E-03	1.16E-06	4.94E-07
1656	495611.06, 3858801.99	2.12E-03	6.69E-07	2.84E-07	2.29E-03	7.23E-07	3.07E-07	3.65E-03	1.15E-06	4.88E-07
1657	495661.06, 3858801.99	2.11E-03	6.65E-07	2.82E-07	2.28E-03	7.18E-07	3.05E-07	3.62E-03	1.14E-06	4.85E-07
1658	494311.06, 3858851.99	2.77E-03	8.75E-07	3.71E-07	2.99E-03	9.45E-07	4.01E-07	4.77E-03	1.51E-06	6.39E-07
1659	494361.06, 3858851.99	2.87E-03	9.05E-07	3.84E-07	3.10E-03	9.77E-07	4.15E-07	4.93E-03	1.56E-06	6.61E-07
1660	494411.06, 3858851.99	2.86E-03	9.01E-07	3.82E-07	3.08E-03	9.73E-07	4.13E-07	4.91E-03	1.55E-06	6.58E-07
1661	494461.06, 3858851.99	2.86E-03	9.02E-07	3.83E-07	3.09E-03	9.74E-07	4.13E-07	4.92E-03	1.55E-06	6.59E-07
1662	494511.06, 3858851.99	2.86E-03	9.01E-07	3.82E-07	3.08E-03	9.73E-07	4.13E-07	4.91E-03	1.55E-06	6.58E-07
1663	494561.06, 3858851.99	2.83E-03	8.95E-07	3.80E-07	3.06E-03	9.66E-07	4.10E-07	4.88E-03	1.54E-06	6.53E-07
1664	494611.06, 3858851.99	2.80E-03	8.83E-07	3.75E-07	3.02E-03	9.53E-07	4.04E-07	4.81E-03	1.52E-06	6.45E-07
1665	494661.06, 3858851.99	2.75E-03	8.68E-07	3.68E-07	2.97E-03	9.37E-07	3.98E-07	4.73E-03	1.49E-06	6.34E-07
1666	494711.06, 3858851.99	2.68E-03	8.47E-07	3.59E-07	2.90E-03	9.14E-07	3.88E-07	4.62E-03	1.46E-06	6.18E-07
1667	494761.06, 3858851.99	2.62E-03	8.27E-07	3.51E-07	2.83E-03	8.93E-07	3.79E-07	4.51E-03	1.42E-06	6.03E-07
1668	494811.06, 3858851.99	2.57E-03	8.10E-07	3.44E-07	2.77E-03	8.75E-07	3.71E-07	4.41E-03	1.39E-06	5.91E-07
1669	494861.06, 3858851.99	2.53E-03	7.99E-07	3.39E-07	2.73E-03	8.63E-07	3.66E-07	4.35E-03	1.37E-06	5.83E-07
1670	494911.06, 3858851.99	2.48E-03	7.84E-07	3.32E-07	2.68E-03	8.46E-07	3.59E-07	4.27E-03	1.35E-06	5.72E-07
1671	494961.06, 3858851.99	2.44E-03	7.70E-07	3.27E-07	2.64E-03	8.32E-07	3.53E-07	4.20E-03	1.33E-06	5.62E-07
1672	495011.06, 3858851.99	2.41E-03	7.60E-07	3.22E-07	2.60E-03	8.20E-07	3.48E-07	4.14E-03	1.31E-06	5.54E-07
1673	495061.06, 3858851.99	2.37E-03	7.47E-07	3.17E-07	2.56E-03	8.07E-07	3.42E-07	4.07E-03	1.28E-06	5.45E-07
1674	495111.06, 3858851.99	2.30E-03	7.25E-07	3.07E-07	2.48E-03	7.82E-07	3.32E-07	3.95E-03	1.25E-06	5.29E-07
1675	495161.06, 3858851.99	2.26E-03	7.13E-07	3.02E-07	2.44E-03	7.70E-07	3.27E-07	3.88E-03	1.23E-06	5.20E-07
1676	495211.06, 3858851.99	2.26E-03	7.13E-07	3.02E-07	2.44E-03	7.70E-07	3.27E-07	3.88E-03	1.23E-06	5.20E-07
1677	495261.06, 3858851.99	2.25E-03	7.09E-07	3.01E-07	2.43E-03	7.66E-07	3.25E-07	3.86E-03	1.22E-06	5.17E-07
1678	495311.06, 3858851.99	2.24E-03	7.08E-07	3.00E-07	2.42E-03	7.65E-07	3.24E-07	3.86E-03	1.22E-06	5.17E-07
1679	495361.06, 3858851.99	2.23E-03	7.05E-07	2.99E-07	2.41E-03	7.61E-07	3.23E-07	3.84E-03	1.21E-06	5.14E-07
1680	495411.06, 3858851.99	2.23E-03	7.02E-07	2.98E-07	2.40E-03	7.58E-07	3.22E-07	3.83E-03	1.21E-06	5.12E-07
1681	495461.06, 3858851.99	2.22E-03	7.00E-07	2.97E-07	2.40E-03	7.56E-07	3.21E-07	3.82E-03	1.20E-06	5.11E-07
1682	495511.06, 3858851.99	2.20E-03	6.96E-07	2.95E-07	2.38E-03	7.51E-07	3.19E-07	3.79E-03	1.20E-06	5.08E-07
1683	495561.06, 3858851.99	2.17E-03	6.85E-07	2.90E-07	2.34E-03	7.39E-07	3.14E-07	3.73E-03	1.18E-06	4.99E-07
1684	495611.06, 3858851.99	2.14E-03	6.76E-07	2.87E-07	2.31E-03	7.30E-07	3.10E-07	3.68E-03	1.16E-06	4.93E-07
1685	495661.06, 3858851.99	2.14E-03	6.74E-07	2.86E-07	2.31E-03	7.28E-07	3.09E-07	3.67E-03	1.16E-06	4.92E-07
1686	494311.06, 3858901.99	2.84E-03	8.98E-07	3.81E-07	3.07E-03	9.69E-07	4.11E-07	4.90E-03	1.54E-06	6.56E-07
1687	494361.06, 3858901.99	2.91E-03	9.20E-07	3.90E-07	3.15E-03	9.93E-07	4.21E-07	5.02E-03	1.58E-06	6.72E-07
1688	494411.06, 3858901.99	2.92E-03	9.20E-07	3.90E-07	3.15E-03	9.94E-07	4.22E-07	5.02E-03	1.58E-06	6.72E-07
1689	494461.06, 3858901.99	2.92E-03	9.23E-07	3.91E-07	3.16E-03	9.96E-07	4.23E-07	5.03E-03	1.59E-06	6.74E-07
1690	494511.06, 3858901.99	2.91E-03	9.20E-07	3.90E-07	3.15E-03	9.94E-07	4.22E-07	5.02E-03	1.58E-06	6.72E-07
1691	494561.06, 3858901.99	2.88E-03	9.08E-07	3.85E-07	3.11E-03	9.81E-07	4.16E-07	4.95E-03	1.56E-06	6.63E-07
1692	494611.06, 3858901.99	2.81E-03	8.87E-07	3.76E-07	3.03E-03	9.58E-07	4.06E-07	4.84E-03	1.53E-06	6.48E-07
1693	494661.06, 3858901.99	2.77E-03	8.75E-07	3.71E-07	2.99E-03	9.45E-07	4.01E-07	4.77E-03	1.51E-06	6.39E-07
1694	494711.06, 3858901.99	2.71E-03	8.56E-07	3.63E-07	2.93E-03	9.24E-07	3.92E-07	4.67E-03	1.47E-06	6.25E-07
1695	494761.06, 3858901.99	2.64E-03	8.33E-07	3.54E-07	2.85E-03	9.00E-07	3.82E-07	4.54E-03	1.43E-06	6.08E-07
1696	494811.06, 3858901.99	2.60E-03	8.20E-07	3.48E-07	2.81E-03	8.86E-07	3.76E-07	4.47E-03	1.41E-06	5.99E-07
1697	494861.06, 3858901.99	2.57E-03	8.10E-07	3.44E-07	2.77E-03	8.75E-07	3.71E-07	4.42E-03	1.39E-06	5.91E-07
1698	494911.06, 3858901.99	2.50E-03	7.89E-07	3.35E-07	2.70E-03	8.52E-07	3.61E-07	4.30E-03	1.36E-06	5.76E-07
1699	494961.06, 3858901.99	2.46E-03	7.77E-07	3.30E-07	2.66E-03	8.39E-07	3.56E-07	4.23E-03	1.34E-06	5.67E-07
1700	495011.06, 3858901.99	2.43E-03	7.65E-07	3.25E-07	2.62E-03	8.27E-07	3.51E-07	4.17E-03	1.32E-06	5.59E-07
1701	495061.06, 3858901.99	2.37E-03	7.49E-07	3.18E-07	2.56E-03	8.09E-07	3.43E-07	4.08E-03	1.29E-06	5.47E-07
1702	495111.06, 3858901.99	2.30E-03	7.26E-07	3.08E-07	2.49E-03	7.84E-07	3.33E-07	3.96E-03	1.25E-06	5.30E-07
1703	495161.06, 3858901.99	2.28E-03	7.19E-07	3.05E-07	2.46E-03	7.77E-07	3.30E-07	3.92E-03	1.24E-06	5.25E-07
1704	495211.06, 3858901.99	2.29E-03	7.23E-07	3.07E-07	2.47E-03	7.81E-07	3.31E-07	3.94E-03	1.24E-06	5.28E-07

1705	495261.06, 3858901.99	2.28E-03	7.21E-07	3.06E-07	2.47E-03	7.79E-07	3.30E-07	3.93E-03	1.24E-06	5.26E-07
1706	495311.06, 3858901.99	2.27E-03	7.17E-07	3.04E-07	2.45E-03	7.75E-07	3.29E-07	3.91E-03	1.23E-06	5.23E-07
1707	495361.06, 3858901.99	2.26E-03	7.14E-07	3.03E-07	2.44E-03	7.71E-07	3.27E-07	3.89E-03	1.23E-06	5.21E-07
1708	495411.06, 3858901.99	2.26E-03	7.14E-07	3.03E-07	2.44E-03	7.71E-07	3.27E-07	3.89E-03	1.23E-06	5.21E-07
1709	495461.06, 3858901.99	2.25E-03	7.09E-07	3.01E-07	2.43E-03	7.66E-07	3.25E-07	3.86E-03	1.22E-06	5.17E-07
1710	495511.06, 3858901.99	2.22E-03	7.01E-07	2.98E-07	2.40E-03	7.57E-07	3.21E-07	3.82E-03	1.21E-06	5.12E-07
1711	495561.06, 3858901.99	2.20E-03	6.95E-07	2.95E-07	2.38E-03	7.51E-07	3.19E-07	3.79E-03	1.20E-06	5.07E-07
1712	495611.06, 3858901.99	2.18E-03	6.87E-07	2.91E-07	2.35E-03	7.41E-07	3.15E-07	3.74E-03	1.18E-06	5.01E-07
1713	495661.06, 3858901.99	2.17E-03	6.85E-07	2.91E-07	2.34E-03	7.40E-07	3.14E-07	3.73E-03	1.18E-06	5.00E-07
1714	494311.06, 3858951.99	2.96E-03	9.33E-07	3.96E-07	3.19E-03	1.01E-06	4.28E-07	5.09E-03	1.61E-06	6.82E-07
1715	494361.06, 3858951.99	2.98E-03	9.41E-07	3.99E-07	3.22E-03	1.02E-06	4.31E-07	5.13E-03	1.62E-06	6.87E-07
1716	494411.06, 3858951.99	2.95E-03	9.32E-07	3.95E-07	3.19E-03	1.01E-06	4.27E-07	5.09E-03	1.61E-06	6.81E-07
1717	494461.06, 3858951.99	2.96E-03	9.35E-07	3.97E-07	3.20E-03	1.01E-06	4.29E-07	5.10E-03	1.61E-06	6.83E-07
1718	494511.06, 3858951.99	2.94E-03	9.29E-07	3.94E-07	3.18E-03	1.00E-06	4.26E-07	5.07E-03	1.60E-06	6.78E-07
1719	494561.06, 3858951.99	2.90E-03	9.17E-07	3.89E-07	3.14E-03	9.90E-07	4.20E-07	5.00E-03	1.58E-06	6.70E-07
1720	494611.06, 3858951.99	2.85E-03	8.99E-07	3.82E-07	3.08E-03	9.71E-07	4.12E-07	4.91E-03	1.55E-06	6.57E-07
1721	494661.06, 3858951.99	2.80E-03	8.83E-07	3.75E-07	3.02E-03	9.54E-07	4.05E-07	4.82E-03	1.52E-06	6.45E-07
1722	494711.06, 3858951.99	2.73E-03	8.60E-07	3.65E-07	2.94E-03	9.29E-07	3.94E-07	4.69E-03	1.48E-06	6.28E-07
1723	494761.06, 3858951.99	2.67E-03	8.43E-07	3.58E-07	2.89E-03	9.11E-07	3.86E-07	4.60E-03	1.45E-06	6.16E-07
1724	494811.06, 3858951.99	2.64E-03	8.32E-07	3.53E-07	2.85E-03	8.99E-07	3.81E-07	4.54E-03	1.43E-06	6.07E-07
1725	494861.06, 3858951.99	2.60E-03	8.20E-07	3.48E-07	2.81E-03	8.86E-07	3.76E-07	4.47E-03	1.41E-06	5.99E-07
1726	494911.06, 3858951.99	2.55E-03	8.04E-07	3.41E-07	2.75E-03	8.68E-07	3.68E-07	4.38E-03	1.38E-06	5.87E-07
1727	494961.06, 3858951.99	2.52E-03	7.95E-07	3.37E-07	2.72E-03	8.59E-07	3.64E-07	4.33E-03	1.37E-06	5.80E-07
1728	495011.06, 3858951.99	2.44E-03	7.70E-07	3.27E-07	2.63E-03	8.31E-07	3.53E-07	4.20E-03	1.32E-06	5.62E-07
1729	495061.06, 3858951.99	2.36E-03	7.46E-07	3.17E-07	2.55E-03	8.06E-07	3.42E-07	4.07E-03	1.28E-06	5.44E-07
1730	495111.06, 3858951.99	2.31E-03	7.28E-07	3.09E-07	2.49E-03	7.86E-07	3.34E-07	3.97E-03	1.25E-06	5.31E-07
1731	495161.06, 3858951.99	2.33E-03	7.35E-07	3.12E-07	2.52E-03	7.94E-07	3.37E-07	4.01E-03	1.26E-06	5.37E-07
1732	495211.06, 3858951.99	2.33E-03	7.34E-07	3.11E-07	2.51E-03	7.93E-07	3.36E-07	4.00E-03	1.26E-06	5.36E-07
1733	495261.06, 3858951.99	2.32E-03	7.32E-07	3.11E-07	2.51E-03	7.91E-07	3.36E-07	3.99E-03	1.26E-06	5.34E-07
1734	495311.06, 3858951.99	2.29E-03	7.23E-07	3.07E-07	2.47E-03	7.81E-07	3.31E-07	3.94E-03	1.24E-06	5.28E-07
1735	495361.06, 3858951.99	2.29E-03	7.23E-07	3.07E-07	2.47E-03	7.80E-07	3.31E-07	3.94E-03	1.24E-06	5.27E-07
1736	495411.06, 3858951.99	2.29E-03	7.23E-07	3.07E-07	2.47E-03	7.81E-07	3.31E-07	3.94E-03	1.24E-06	5.28E-07
1737	495461.06, 3858951.99	2.28E-03	7.19E-07	3.05E-07	2.46E-03	7.77E-07	3.30E-07	3.92E-03	1.24E-06	5.25E-07
1738	495511.06, 3858951.99	2.28E-03	7.18E-07	3.05E-07	2.46E-03	7.75E-07	3.29E-07	3.91E-03	1.24E-06	5.24E-07
1739	495561.06, 3858951.99	2.23E-03	7.05E-07	2.99E-07	2.41E-03	7.62E-07	3.23E-07	3.84E-03	1.21E-06	5.15E-07
1740	495611.06, 3858951.99	2.21E-03	6.98E-07	2.96E-07	2.39E-03	7.53E-07	3.20E-07	3.80E-03	1.20E-06	5.09E-07
1741	495661.06, 3858951.99	2.21E-03	6.97E-07	2.96E-07	2.38E-03	7.52E-07	3.19E-07	3.80E-03	1.20E-06	5.09E-07
1742	494311.06, 3859001.99	3.03E-03	9.57E-07	4.06E-07	3.27E-03	1.03E-06	4.39E-07	5.22E-03	1.65E-06	6.99E-07
1743	494361.06, 3859001.99	3.02E-03	9.54E-07	4.05E-07	3.27E-03	1.03E-06	4.37E-07	5.21E-03	1.64E-06	6.98E-07
1744	494411.06, 3859001.99	3.02E-03	9.53E-07	4.04E-07	3.26E-03	1.03E-06	4.37E-07	5.20E-03	1.64E-06	6.96E-07
1745	494461.06, 3859001.99	3.00E-03	9.47E-07	4.02E-07	3.24E-03	1.02E-06	4.34E-07	5.16E-03	1.63E-06	6.92E-07
1746	494511.06, 3859001.99	2.98E-03	9.40E-07	3.99E-07	3.22E-03	1.02E-06	4.31E-07	5.13E-03	1.62E-06	6.87E-07
1747	494561.06, 3859001.99	2.93E-03	9.23E-07	3.92E-07	3.16E-03	9.97E-07	4.23E-07	5.04E-03	1.59E-06	6.75E-07
1748	494611.06, 3859001.99	2.88E-03	9.08E-07	3.85E-07	3.11E-03	9.81E-07	4.16E-07	4.95E-03	1.56E-06	6.63E-07
1749	494661.06, 3859001.99	2.82E-03	8.89E-07	3.77E-07	3.04E-03	9.60E-07	4.07E-07	4.85E-03	1.53E-06	6.49E-07
1750	494711.06, 3859001.99	2.75E-03	8.67E-07	3.68E-07	2.97E-03	9.36E-07	3.97E-07	4.73E-03	1.49E-06	6.33E-07
1751	494761.06, 3859001.99	2.70E-03	8.53E-07	3.62E-07	2.92E-03	9.21E-07	3.91E-07	4.65E-03	1.47E-06	6.23E-07
1752	494811.06, 3859001.99	2.68E-03	8.45E-07	3.59E-07	2.89E-03	9.13E-07	3.87E-07	4.61E-03	1.45E-06	6.17E-07
1753	494861.06, 3859001.99	2.63E-03	8.30E-07	3.52E-07	2.84E-03	8.97E-07	3.81E-07	4.53E-03	1.43E-06	6.06E-07
1754	494911.06, 3859001.99	2.58E-03	8.15E-07	3.46E-07	2.79E-03	8.80E-07	3.73E-07	4.44E-03	1.40E-06	5.95E-07
1755	494961.06, 3859001.99	2.53E-03	7.99E-07	3.39E-07	2.74E-03	8.63E-07	3.66E-07	4.36E-03	1.38E-06	5.84E-07
1756	495011.06, 3859001.99	2.40E-03	7.59E-07	3.22E-07	2.60E-03	8.19E-07	3.48E-07	4.14E-03	1.31E-06	5.54E-07
1757	495061.06, 3859001.99	2.38E-03	7.51E-07	3.18E-07	2.57E-03	8.11E-07	3.44E-07	4.09E-03	1.29E-06	5.48E-07
1758	495111.06, 3859001.99	2.32E-03	7.34E-07	3.11E-07	2.51E-03	7.92E-07	3.36E-07	4.00E-03	1.26E-06	5.35E-07
1759	495161.06, 3859001.99	2.36E-03	7.46E-07	3.17E-07	2.55E-03	8.06E-07	3.42E-07	4.07E-03	1.28E-06	5.44E-07
1760	495211.06, 3859001.99	2.35E-03	7.42E-07	3.15E-07	2.54E-03	8.01E-07	3.40E-07	4.04E-03	1.28E-06	5.42E-07
1761	495261.06, 3859001.99	2.35E-03	7.41E-07	3.15E-07	2.54E-03	8.01E-07	3.40E-07	4.04E-03	1.28E-06	5.41E-07
1762	495311.06, 3859001.99	2.33E-03	7.37E-07	3.13E-07	2.52E-03	7.96E-07	3.38E-07	4.02E-03	1.27E-06	5.38E-07
1763	495361.06, 3859001.99	2.33E-03	7.36E-07	3.12E-07	2.52E-03	7.94E-07	3.37E-07	4.01E-03	1.27E-06	5.37E-07
1764	495411.06, 3859001.99	2.32E-03	7.33E-07	3.11E-07	2.51E-03	7.91E-07	3.36E-07	3.99E-03	1.26E-06	5.35E-07
1765	495461.06, 3859001.99	2.32E-03	7.31E-07	3.10E-07	2.50E-03	7.89E-07	3.35E-07	3.98E-03	1.26E-06	5.33E-07

1766	495511.06, 3859001.99	2.28E-03	7.21E-07	3.06E-07	2.47E-03	7.78E-07	3.30E-07	3.93E-03	1.24E-06	5.26E-07
1767	495561.06, 3859001.99	2.27E-03	7.15E-07	3.03E-07	2.45E-03	7.72E-07	3.28E-07	3.90E-03	1.23E-06	5.22E-07
1768	495611.06, 3859001.99	2.24E-03	7.08E-07	3.01E-07	2.42E-03	7.65E-07	3.25E-07	3.86E-03	1.22E-06	5.17E-07
1769	495661.06, 3859001.99	2.26E-03	7.12E-07	3.02E-07	2.44E-03	7.69E-07	3.26E-07	3.88E-03	1.22E-06	5.20E-07
1770	494311.06, 3859051.99	3.08E-03	9.73E-07	4.13E-07	3.33E-03	1.05E-06	4.46E-07	5.31E-03	1.68E-06	7.11E-07
1771	494361.06, 3859051.99	3.09E-03	9.74E-07	4.13E-07	3.33E-03	1.05E-06	4.46E-07	5.31E-03	1.68E-06	7.12E-07
1772	494411.06, 3859051.99	3.06E-03	9.65E-07	4.09E-07	3.30E-03	1.04E-06	4.42E-07	5.27E-03	1.66E-06	7.05E-07
1773	494461.06, 3859051.99	3.02E-03	9.54E-07	4.05E-07	3.27E-03	1.03E-06	4.37E-07	5.21E-03	1.64E-06	6.97E-07
1774	494511.06, 3859051.99	2.98E-03	9.41E-07	3.99E-07	3.22E-03	1.02E-06	4.31E-07	5.13E-03	1.62E-06	6.87E-07
1775	494561.06, 3859051.99	2.94E-03	9.29E-07	3.94E-07	3.18E-03	1.00E-06	4.26E-07	5.07E-03	1.60E-06	6.79E-07
1776	494611.06, 3859051.99	2.89E-03	9.13E-07	3.87E-07	3.13E-03	9.86E-07	4.18E-07	4.98E-03	1.57E-06	6.67E-07
1777	494661.06, 3859051.99	2.84E-03	8.96E-07	3.80E-07	3.07E-03	9.68E-07	4.11E-07	4.89E-03	1.54E-06	6.55E-07
1778	494711.06, 3859051.99	2.79E-03	8.80E-07	3.73E-07	3.01E-03	9.51E-07	4.03E-07	4.80E-03	1.52E-06	6.43E-07
1779	494761.06, 3859051.99	2.74E-03	8.64E-07	3.66E-07	2.95E-03	9.33E-07	3.96E-07	4.71E-03	1.49E-06	6.31E-07
1780	494811.06, 3859051.99	2.70E-03	8.52E-07	3.61E-07	2.92E-03	9.20E-07	3.90E-07	4.65E-03	1.47E-06	6.22E-07
1781	494861.06, 3859051.99	2.66E-03	8.40E-07	3.56E-07	2.87E-03	9.07E-07	3.85E-07	4.58E-03	1.45E-06	6.13E-07
1782	494911.06, 3859051.99	2.60E-03	8.21E-07	3.49E-07	2.81E-03	8.87E-07	3.76E-07	4.48E-03	1.41E-06	6.00E-07
1783	494961.06, 3859051.99	2.52E-03	7.94E-07	3.37E-07	2.72E-03	8.58E-07	3.64E-07	4.33E-03	1.37E-06	5.80E-07
1784	495011.06, 3859051.99	2.45E-03	7.74E-07	3.28E-07	2.65E-03	8.36E-07	3.55E-07	4.22E-03	1.33E-06	5.65E-07
1785	495061.06, 3859051.99	2.41E-03	7.61E-07	3.23E-07	2.60E-03	8.21E-07	3.49E-07	4.15E-03	1.31E-06	5.55E-07
1786	495111.06, 3859051.99	2.39E-03	7.54E-07	3.20E-07	2.58E-03	8.14E-07	3.45E-07	4.11E-03	1.30E-06	5.50E-07
1787	495161.06, 3859051.99	2.41E-03	7.59E-07	3.22E-07	2.60E-03	8.20E-07	3.48E-07	4.14E-03	1.31E-06	5.54E-07
1788	495211.06, 3859051.99	2.38E-03	7.51E-07	3.19E-07	2.57E-03	8.11E-07	3.44E-07	4.09E-03	1.29E-06	5.48E-07
1789	495261.06, 3859051.99	2.39E-03	7.53E-07	3.19E-07	2.58E-03	8.13E-07	3.45E-07	4.10E-03	1.30E-06	5.50E-07
1790	495311.06, 3859051.99	2.37E-03	7.47E-07	3.17E-07	2.56E-03	8.07E-07	3.42E-07	4.07E-03	1.29E-06	5.45E-07
1791	495361.06, 3859051.99	2.36E-03	7.45E-07	3.16E-07	2.55E-03	8.04E-07	3.41E-07	4.06E-03	1.28E-06	5.44E-07
1792	495411.06, 3859051.99	2.36E-03	7.44E-07	3.16E-07	2.55E-03	8.04E-07	3.41E-07	4.06E-03	1.28E-06	5.43E-07
1793	495461.06, 3859051.99	2.36E-03	7.44E-07	3.16E-07	2.54E-03	8.03E-07	3.41E-07	4.06E-03	1.28E-06	5.43E-07
1794	495511.06, 3859051.99	2.32E-03	7.33E-07	3.11E-07	2.51E-03	7.92E-07	3.36E-07	4.00E-03	1.26E-06	5.35E-07
1795	495561.06, 3859051.99	2.30E-03	7.25E-07	3.08E-07	2.48E-03	7.83E-07	3.32E-07	3.95E-03	1.25E-06	5.30E-07
1796	495611.06, 3859051.99	2.28E-03	7.19E-07	3.05E-07	2.46E-03	7.76E-07	3.29E-07	3.92E-03	1.24E-06	5.25E-07
1797	495661.06, 3859051.99	2.29E-03	7.21E-07	3.06E-07	2.47E-03	7.79E-07	3.31E-07	3.93E-03	1.24E-06	5.27E-07
1798	494311.06, 3859101.99	3.14E-03	9.90E-07	4.20E-07	3.39E-03	1.07E-06	4.54E-07	5.41E-03	1.71E-06	7.24E-07
1799	494361.06, 3859101.99	3.11E-03	9.83E-07	4.17E-07	3.36E-03	1.06E-06	4.50E-07	5.36E-03	1.69E-06	7.18E-07
1800	494411.06, 3859101.99	3.09E-03	9.76E-07	4.14E-07	3.34E-03	1.05E-06	4.47E-07	5.33E-03	1.68E-06	7.14E-07
1801	494461.06, 3859101.99	3.06E-03	9.65E-07	4.10E-07	3.30E-03	1.04E-06	4.42E-07	5.27E-03	1.66E-06	7.06E-07
1802	494511.06, 3859101.99	3.01E-03	9.49E-07	4.03E-07	3.25E-03	1.03E-06	4.35E-07	5.18E-03	1.63E-06	6.94E-07
1803	494561.06, 3859101.99	2.97E-03	9.36E-07	3.97E-07	3.20E-03	1.01E-06	4.29E-07	5.11E-03	1.61E-06	6.84E-07
1804	494611.06, 3859101.99	2.90E-03	9.17E-07	3.89E-07	3.14E-03	9.90E-07	4.20E-07	5.00E-03	1.58E-06	6.70E-07
1805	494661.06, 3859101.99	2.86E-03	9.04E-07	3.84E-07	3.09E-03	9.77E-07	4.14E-07	4.93E-03	1.56E-06	6.61E-07
1806	494711.06, 3859101.99	2.79E-03	8.82E-07	3.74E-07	3.02E-03	9.52E-07	4.04E-07	4.81E-03	1.52E-06	6.44E-07
1807	494761.06, 3859101.99	2.78E-03	8.76E-07	3.72E-07	3.00E-03	9.46E-07	4.01E-07	4.78E-03	1.51E-06	6.40E-07
1808	494811.06, 3859101.99	2.73E-03	8.61E-07	3.66E-07	2.95E-03	9.30E-07	3.95E-07	4.70E-03	1.48E-06	6.29E-07
1809	494861.06, 3859101.99	2.69E-03	8.49E-07	3.60E-07	2.90E-03	9.17E-07	3.89E-07	4.63E-03	1.46E-06	6.20E-07
1810	494911.06, 3859101.99	2.63E-03	8.30E-07	3.52E-07	2.84E-03	8.96E-07	3.80E-07	4.53E-03	1.43E-06	6.06E-07
1811	494961.06, 3859101.99	2.54E-03	8.01E-07	3.40E-07	2.74E-03	8.65E-07	3.67E-07	4.37E-03	1.38E-06	5.85E-07
1812	495011.06, 3859101.99	2.44E-03	7.71E-07	3.27E-07	2.64E-03	8.33E-07	3.53E-07	4.20E-03	1.33E-06	5.63E-07
1813	495061.06, 3859101.99	2.44E-03	7.71E-07	3.27E-07	2.64E-03	8.33E-07	3.53E-07	4.20E-03	1.33E-06	5.63E-07
1814	495111.06, 3859101.99	2.42E-03	7.63E-07	3.24E-07	2.61E-03	8.24E-07	3.50E-07	4.16E-03	1.31E-06	5.57E-07
1815	495161.06, 3859101.99	2.43E-03	7.68E-07	3.26E-07	2.63E-03	8.30E-07	3.52E-07	4.19E-03	1.32E-06	5.61E-07
1816	495211.06, 3859101.99	2.42E-03	7.62E-07	3.23E-07	2.61E-03	8.23E-07	3.49E-07	4.16E-03	1.31E-06	5.57E-07
1817	495261.06, 3859101.99	2.41E-03	7.61E-07	3.23E-07	2.60E-03	8.22E-07	3.49E-07	4.15E-03	1.31E-06	5.56E-07
1818	495311.06, 3859101.99	2.40E-03	7.58E-07	3.22E-07	2.60E-03	8.19E-07	3.48E-07	4.14E-03	1.31E-06	5.54E-07
1819	495361.06, 3859101.99	2.40E-03	7.59E-07	3.22E-07	2.60E-03	8.20E-07	3.48E-07	4.14E-03	1.31E-06	5.54E-07
1820	495411.06, 3859101.99	2.40E-03	7.57E-07	3.21E-07	2.59E-03	8.17E-07	3.47E-07	4.13E-03	1.30E-06	5.53E-07
1821	495461.06, 3859101.99	2.38E-03	7.50E-07	3.18E-07	2.57E-03	8.10E-07	3.44E-07	4.09E-03	1.29E-06	5.48E-07
1822	495511.06, 3859101.99	2.36E-03	7.46E-07	3.17E-07	2.55E-03	8.06E-07	3.42E-07	4.07E-03	1.28E-06	5.45E-07
1823	495561.06, 3859101.99	2.34E-03	7.39E-07	3.14E-07	2.53E-03	7.98E-07	3.39E-07	4.03E-03	1.27E-06	5.40E-07
1824	495611.06, 3859101.99	2.32E-03	7.31E-07	3.10E-07	2.50E-03	7.89E-07	3.35E-07	3.98E-03	1.26E-06	5.34E-07
1825	495661.06, 3859101.99	2.31E-03	7.30E-07	3.10E-07	2.50E-03	7.89E-07	3.35E-07	3.98E-03	1.26E-06	5.33E-07
1826	494311.06, 3859151.99	3.17E-03	1.00E-06	4.24E-07	3.42E-03	1.08E-06	4.58E-07	5.46E-03	1.72E-06	7.31E-07

1827	494361.06, 3859151.99	3.15E-03	9.95E-07	4.22E-07	3.40E-03	1.07E-06	4.56E-07	5.43E-03	1.71E-06	7.27E-07
1828	494411.06, 3859151.99	3.11E-03	9.82E-07	4.17E-07	3.36E-03	1.06E-06	4.50E-07	5.36E-03	1.69E-06	7.18E-07
1829	494461.06, 3859151.99	3.07E-03	9.69E-07	4.11E-07	3.32E-03	1.05E-06	4.44E-07	5.29E-03	1.67E-06	7.08E-07
1830	494511.06, 3859151.99	3.02E-03	9.52E-07	4.04E-07	3.26E-03	1.03E-06	4.36E-07	5.20E-03	1.64E-06	6.96E-07
1831	494561.06, 3859151.99	2.98E-03	9.42E-07	4.00E-07	3.22E-03	1.02E-06	4.32E-07	5.14E-03	1.62E-06	6.88E-07
1832	494611.06, 3859151.99	2.93E-03	9.24E-07	3.92E-07	3.16E-03	9.98E-07	4.24E-07	5.05E-03	1.59E-06	6.76E-07
1833	494661.06, 3859151.99	2.89E-03	9.13E-07	3.88E-07	3.13E-03	9.86E-07	4.19E-07	4.98E-03	1.57E-06	6.68E-07
1834	494711.06, 3859151.99	2.86E-03	9.04E-07	3.84E-07	3.09E-03	9.76E-07	4.14E-07	4.93E-03	1.56E-06	6.61E-07
1835	494761.06, 3859151.99	2.80E-03	8.84E-07	3.75E-07	3.02E-03	9.55E-07	4.05E-07	4.82E-03	1.52E-06	6.46E-07
1836	494811.06, 3859151.99	2.75E-03	8.67E-07	3.68E-07	2.97E-03	9.36E-07	3.97E-07	4.73E-03	1.49E-06	6.34E-07
1837	494861.06, 3859151.99	2.71E-03	8.56E-07	3.63E-07	2.93E-03	9.25E-07	3.92E-07	4.67E-03	1.47E-06	6.26E-07
1838	494911.06, 3859151.99	2.65E-03	8.35E-07	3.54E-07	2.86E-03	9.02E-07	3.83E-07	4.56E-03	1.44E-06	6.10E-07
1839	494961.06, 3859151.99	2.56E-03	8.07E-07	3.43E-07	2.76E-03	8.72E-07	3.70E-07	4.40E-03	1.39E-06	5.90E-07
1840	495011.06, 3859151.99	2.47E-03	7.81E-07	3.31E-07	2.67E-03	8.43E-07	3.58E-07	4.26E-03	1.34E-06	5.70E-07
1841	495061.06, 3859151.99	2.47E-03	7.78E-07	3.30E-07	2.66E-03	8.41E-07	3.57E-07	4.24E-03	1.34E-06	5.68E-07
1842	495111.06, 3859151.99	2.45E-03	7.74E-07	3.28E-07	2.65E-03	8.35E-07	3.54E-07	4.22E-03	1.33E-06	5.65E-07
1843	495161.06, 3859151.99	2.47E-03	7.79E-07	3.30E-07	2.67E-03	8.41E-07	3.57E-07	4.25E-03	1.34E-06	5.69E-07
1844	495211.06, 3859151.99	2.46E-03	7.75E-07	3.29E-07	2.65E-03	8.37E-07	3.55E-07	4.23E-03	1.33E-06	5.66E-07
1845	495261.06, 3859151.99	2.44E-03	7.71E-07	3.27E-07	2.64E-03	8.33E-07	3.53E-07	4.21E-03	1.33E-06	5.63E-07
1846	495311.06, 3859151.99	2.44E-03	7.69E-07	3.26E-07	2.63E-03	8.30E-07	3.52E-07	4.19E-03	1.32E-06	5.62E-07
1847	495361.06, 3859151.99	2.43E-03	7.66E-07	3.25E-07	2.62E-03	8.27E-07	3.51E-07	4.18E-03	1.32E-06	5.59E-07
1848	495411.06, 3859151.99	2.44E-03	7.70E-07	3.27E-07	2.63E-03	8.31E-07	3.53E-07	4.20E-03	1.33E-06	5.62E-07
1849	495461.06, 3859151.99	2.43E-03	7.67E-07	3.25E-07	2.62E-03	8.28E-07	3.51E-07	4.18E-03	1.32E-06	5.60E-07
1850	495511.06, 3859151.99	2.40E-03	7.57E-07	3.21E-07	2.59E-03	8.18E-07	3.47E-07	4.13E-03	1.30E-06	5.53E-07
1851	495561.06, 3859151.99	2.38E-03	7.51E-07	3.19E-07	2.57E-03	8.11E-07	3.44E-07	4.10E-03	1.29E-06	5.48E-07
1852	495611.06, 3859151.99	2.36E-03	7.45E-07	3.16E-07	2.55E-03	8.05E-07	3.41E-07	4.06E-03	1.28E-06	5.44E-07
1853	495661.06, 3859151.99	2.35E-03	7.41E-07	3.14E-07	2.53E-03	8.00E-07	3.39E-07	4.04E-03	1.27E-06	5.41E-07
1854	494311.06, 3859201.99	3.19E-03	1.01E-06	4.27E-07	3.44E-03	1.09E-06	4.61E-07	5.49E-03	1.73E-06	7.36E-07
1855	494361.06, 3859201.99	3.16E-03	9.99E-07	4.24E-07	3.42E-03	1.08E-06	4.58E-07	5.45E-03	1.72E-06	7.30E-07
1856	494411.06, 3859201.99	3.13E-03	9.88E-07	4.19E-07	3.38E-03	1.07E-06	4.53E-07	5.39E-03	1.70E-06	7.22E-07
1857	494461.06, 3859201.99	3.08E-03	9.72E-07	4.13E-07	3.33E-03	1.05E-06	4.46E-07	5.31E-03	1.68E-06	7.11E-07
1858	494511.06, 3859201.99	3.05E-03	9.62E-07	4.08E-07	3.29E-03	1.04E-06	4.41E-07	5.25E-03	1.66E-06	7.03E-07
1859	494561.06, 3859201.99	2.99E-03	9.44E-07	4.01E-07	3.23E-03	1.02E-06	4.33E-07	5.15E-03	1.63E-06	6.90E-07
1860	494611.06, 3859201.99	2.95E-03	9.30E-07	3.95E-07	3.18E-03	1.00E-06	4.26E-07	5.08E-03	1.60E-06	6.80E-07
1861	494661.06, 3859201.99	2.91E-03	9.19E-07	3.90E-07	3.15E-03	9.93E-07	4.21E-07	5.02E-03	1.58E-06	6.72E-07
1862	494711.06, 3859201.99	2.88E-03	9.08E-07	3.85E-07	3.11E-03	9.81E-07	4.16E-07	4.96E-03	1.56E-06	6.64E-07
1863	494761.06, 3859201.99	2.82E-03	8.90E-07	3.78E-07	3.05E-03	9.61E-07	4.08E-07	4.86E-03	1.53E-06	6.50E-07
1864	494811.06, 3859201.99	2.77E-03	8.75E-07	3.71E-07	2.99E-03	9.45E-07	4.01E-07	4.77E-03	1.51E-06	6.39E-07
1865	494861.06, 3859201.99	2.72E-03	8.57E-07	3.64E-07	2.93E-03	9.26E-07	3.93E-07	4.68E-03	1.48E-06	6.26E-07
1866	494911.06, 3859201.99	2.64E-03	8.34E-07	3.54E-07	2.85E-03	9.01E-07	3.82E-07	4.55E-03	1.44E-06	6.09E-07
1867	494961.06, 3859201.99	2.57E-03	8.10E-07	3.44E-07	2.77E-03	8.75E-07	3.71E-07	4.42E-03	1.40E-06	5.92E-07
1868	495011.06, 3859201.99	2.47E-03	7.79E-07	3.30E-07	2.66E-03	8.41E-07	3.57E-07	4.25E-03	1.34E-06	5.69E-07
1869	495061.06, 3859201.99	2.50E-03	7.90E-07	3.35E-07	2.70E-03	8.53E-07	3.62E-07	4.31E-03	1.36E-06	5.77E-07
1870	495111.06, 3859201.99	2.50E-03	7.90E-07	3.35E-07	2.70E-03	8.53E-07	3.62E-07	4.31E-03	1.36E-06	5.77E-07
1871	495161.06, 3859201.99	2.50E-03	7.87E-07	3.34E-07	2.69E-03	8.50E-07	3.61E-07	4.30E-03	1.36E-06	5.75E-07
1872	495211.06, 3859201.99	2.47E-03	7.81E-07	3.31E-07	2.67E-03	8.43E-07	3.58E-07	4.26E-03	1.34E-06	5.70E-07
1873	495261.06, 3859201.99	2.47E-03	7.81E-07	3.31E-07	2.67E-03	8.43E-07	3.58E-07	4.26E-03	1.34E-06	5.70E-07
1874	495311.06, 3859201.99	2.47E-03	7.78E-07	3.30E-07	2.66E-03	8.41E-07	3.57E-07	4.25E-03	1.34E-06	5.69E-07
1875	495361.06, 3859201.99	2.46E-03	7.77E-07	3.30E-07	2.66E-03	8.39E-07	3.56E-07	4.24E-03	1.34E-06	5.68E-07
1876	495411.06, 3859201.99	2.47E-03	7.80E-07	3.31E-07	2.67E-03	8.42E-07	3.57E-07	4.25E-03	1.34E-06	5.70E-07
1877	495461.06, 3859201.99	2.46E-03	7.75E-07	3.29E-07	2.65E-03	8.37E-07	3.55E-07	4.23E-03	1.33E-06	5.66E-07
1878	495511.06, 3859201.99	2.44E-03	7.71E-07	3.27E-07	2.64E-03	8.33E-07	3.53E-07	4.21E-03	1.33E-06	5.63E-07
1879	495561.06, 3859201.99	2.41E-03	7.61E-07	3.23E-07	2.60E-03	8.22E-07	3.49E-07	4.15E-03	1.31E-06	5.56E-07
1880	495611.06, 3859201.99	2.39E-03	7.54E-07	3.20E-07	2.58E-03	8.14E-07	3.45E-07	4.11E-03	1.30E-06	5.51E-07
1881	495661.06, 3859201.99	2.37E-03	7.49E-07	3.18E-07	2.56E-03	8.09E-07	3.43E-07	4.09E-03	1.29E-06	5.47E-07
1882	494311.06, 3859251.99	3.20E-03	1.01E-06	4.29E-07	3.46E-03	1.09E-06	4.63E-07	5.52E-03	1.74E-06	7.39E-07
1883	494361.06, 3859251.99	3.17E-03	1.00E-06	4.24E-07	3.42E-03	1.08E-06	4.58E-07	5.46E-03	1.72E-06	7.31E-07
1884	494411.06, 3859251.99	3.12E-03	9.85E-07	4.18E-07	3.37E-03	1.06E-06	4.51E-07	5.38E-03	1.70E-06	7.20E-07
1885	494461.06, 3859251.99	3.09E-03	9.75E-07	4.14E-07	3.34E-03	1.05E-06	4.47E-07	5.32E-03	1.68E-06	7.13E-07
1886	494511.06, 3859251.99	3.03E-03	9.58E-07	4.06E-07	3.28E-03	1.03E-06	4.39E-07	5.23E-03	1.65E-06	7.00E-07
1887	494561.06, 3859251.99	3.00E-03	9.47E-07	4.02E-07	3.24E-03	1.02E-06	4.34E-07	5.17E-03	1.63E-06	6.92E-07

1888	494611.06, 3859251.99	2.95E-03	9.32E-07	3.95E-07	3.19E-03	1.01E-06	4.27E-07	5.09E-03	1.61E-06	6.81E-07
1889	494661.06, 3859251.99	2.93E-03	9.24E-07	3.92E-07	3.16E-03	9.98E-07	4.24E-07	5.04E-03	1.59E-06	6.76E-07
1890	494711.06, 3859251.99	2.89E-03	9.13E-07	3.87E-07	3.13E-03	9.86E-07	4.18E-07	4.98E-03	1.57E-06	6.67E-07
1891	494761.06, 3859251.99	2.80E-03	8.85E-07	3.76E-07	3.03E-03	9.56E-07	4.06E-07	4.83E-03	1.52E-06	6.47E-07
1892	494811.06, 3859251.99	2.79E-03	8.81E-07	3.74E-07	3.01E-03	9.51E-07	4.04E-07	4.81E-03	1.52E-06	6.44E-07
1893	494861.06, 3859251.99	2.71E-03	8.55E-07	3.63E-07	2.93E-03	9.24E-07	3.92E-07	4.67E-03	1.47E-06	6.25E-07
1894	494911.06, 3859251.99	2.64E-03	8.32E-07	3.53E-07	2.85E-03	8.99E-07	3.81E-07	4.54E-03	1.43E-06	6.08E-07
1895	494961.06, 3859251.99	2.60E-03	8.21E-07	3.48E-07	2.81E-03	8.87E-07	3.76E-07	4.48E-03	1.41E-06	6.00E-07
1896	495011.06, 3859251.99	2.56E-03	8.07E-07	3.42E-07	2.76E-03	8.71E-07	3.70E-07	4.40E-03	1.39E-06	5.89E-07
1897	495061.06, 3859251.99	2.56E-03	8.07E-07	3.43E-07	2.76E-03	8.72E-07	3.70E-07	4.41E-03	1.39E-06	5.90E-07
1898	495111.06, 3859251.99	2.54E-03	8.02E-07	3.40E-07	2.74E-03	8.66E-07	3.68E-07	4.38E-03	1.38E-06	5.86E-07
1899	495161.06, 3859251.99	2.53E-03	7.99E-07	3.39E-07	2.74E-03	8.63E-07	3.66E-07	4.36E-03	1.38E-06	5.84E-07
1900	495211.06, 3859251.99	2.51E-03	7.93E-07	3.37E-07	2.71E-03	8.57E-07	3.64E-07	4.33E-03	1.37E-06	5.80E-07
1901	495261.06, 3859251.99	2.51E-03	7.91E-07	3.36E-07	2.71E-03	8.55E-07	3.63E-07	4.32E-03	1.36E-06	5.78E-07
1902	495311.06, 3859251.99	2.51E-03	7.91E-07	3.36E-07	2.71E-03	8.55E-07	3.63E-07	4.32E-03	1.36E-06	5.78E-07
1903	495361.06, 3859251.99	2.50E-03	7.88E-07	3.34E-07	2.70E-03	8.51E-07	3.61E-07	4.30E-03	1.36E-06	5.76E-07
1904	495411.06, 3859251.99	2.50E-03	7.89E-07	3.35E-07	2.70E-03	8.52E-07	3.62E-07	4.31E-03	1.36E-06	5.77E-07
1905	495461.06, 3859251.99	2.49E-03	7.85E-07	3.33E-07	2.69E-03	8.48E-07	3.60E-07	4.28E-03	1.35E-06	5.74E-07
1906	495511.06, 3859251.99	2.46E-03	7.76E-07	3.29E-07	2.66E-03	8.38E-07	3.56E-07	4.24E-03	1.34E-06	5.67E-07
1907	495561.06, 3859251.99	2.44E-03	7.69E-07	3.26E-07	2.63E-03	8.31E-07	3.53E-07	4.20E-03	1.32E-06	5.62E-07
1908	495611.06, 3859251.99	2.41E-03	7.61E-07	3.23E-07	2.60E-03	8.22E-07	3.49E-07	4.15E-03	1.31E-06	5.56E-07
1909	495661.06, 3859251.99	2.39E-03	7.55E-07	3.20E-07	2.58E-03	8.16E-07	3.46E-07	4.12E-03	1.30E-06	5.52E-07
1910	494311.06, 3859301.99	3.21E-03	1.01E-06	4.30E-07	3.47E-03	1.09E-06	4.64E-07	5.53E-03	1.75E-06	7.40E-07
1911	494361.06, 3859301.99	3.17E-03	1.00E-06	4.25E-07	3.43E-03	1.08E-06	4.59E-07	5.47E-03	1.73E-06	7.32E-07
1912	494411.06, 3859301.99	3.13E-03	9.87E-07	4.19E-07	3.38E-03	1.07E-06	4.52E-07	5.39E-03	1.70E-06	7.22E-07
1913	494461.06, 3859301.99	3.08E-03	9.72E-07	4.13E-07	3.33E-03	1.05E-06	4.46E-07	5.31E-03	1.68E-06	7.11E-07
1914	494511.06, 3859301.99	3.04E-03	9.59E-07	4.07E-07	3.28E-03	1.04E-06	4.40E-07	5.24E-03	1.65E-06	7.01E-07
1915	494561.06, 3859301.99	3.01E-03	9.49E-07	4.03E-07	3.25E-03	1.02E-06	4.35E-07	5.18E-03	1.63E-06	6.93E-07
1916	494611.06, 3859301.99	2.97E-03	9.37E-07	3.98E-07	3.21E-03	1.01E-06	4.29E-07	5.11E-03	1.61E-06	6.85E-07
1917	494661.06, 3859301.99	2.93E-03	9.26E-07	3.93E-07	3.17E-03	1.00E-06	4.24E-07	5.05E-03	1.59E-06	6.76E-07
1918	494711.06, 3859301.99	2.89E-03	9.11E-07	3.87E-07	3.12E-03	9.84E-07	4.18E-07	4.97E-03	1.57E-06	6.66E-07
1919	494761.06, 3859301.99	2.85E-03	8.99E-07	3.81E-07	3.08E-03	9.71E-07	4.12E-07	4.91E-03	1.55E-06	6.57E-07
1920	494811.06, 3859301.99	2.79E-03	8.81E-07	3.74E-07	3.01E-03	9.51E-07	4.04E-07	4.81E-03	1.52E-06	6.44E-07
1921	494861.06, 3859301.99	2.71E-03	8.55E-07	3.63E-07	2.93E-03	9.23E-07	3.92E-07	4.67E-03	1.47E-06	6.25E-07
1922	494911.06, 3859301.99	2.67E-03	8.42E-07	3.57E-07	2.88E-03	9.10E-07	3.86E-07	4.60E-03	1.45E-06	6.16E-07
1923	494961.06, 3859301.99	2.59E-03	8.17E-07	3.46E-07	2.79E-03	8.82E-07	3.74E-07	4.46E-03	1.41E-06	5.97E-07
1924	495011.06, 3859301.99	2.56E-03	8.07E-07	3.43E-07	2.76E-03	8.72E-07	3.70E-07	4.41E-03	1.39E-06	5.90E-07
1925	495061.06, 3859301.99	2.59E-03	8.19E-07	3.47E-07	2.80E-03	8.84E-07	3.75E-07	4.47E-03	1.41E-06	5.98E-07
1926	495111.06, 3859301.99	2.55E-03	8.06E-07	3.42E-07	2.76E-03	8.70E-07	3.69E-07	4.40E-03	1.39E-06	5.89E-07
1927	495161.06, 3859301.99	2.54E-03	8.03E-07	3.41E-07	2.75E-03	8.67E-07	3.68E-07	4.38E-03	1.38E-06	5.87E-07
1928	495211.06, 3859301.99	2.55E-03	8.06E-07	3.42E-07	2.76E-03	8.71E-07	3.69E-07	4.40E-03	1.39E-06	5.89E-07
1929	495261.06, 3859301.99	2.55E-03	8.05E-07	3.42E-07	2.76E-03	8.70E-07	3.69E-07	4.40E-03	1.39E-06	5.89E-07
1930	495311.06, 3859301.99	2.52E-03	7.97E-07	3.38E-07	2.73E-03	8.60E-07	3.65E-07	4.35E-03	1.37E-06	5.82E-07
1931	495361.06, 3859301.99	2.53E-03	7.97E-07	3.38E-07	2.73E-03	8.61E-07	3.65E-07	4.35E-03	1.37E-06	5.82E-07
1932	495411.06, 3859301.99	2.52E-03	7.94E-07	3.37E-07	2.72E-03	8.58E-07	3.64E-07	4.34E-03	1.37E-06	5.81E-07
1933	495461.06, 3859301.99	2.51E-03	7.93E-07	3.36E-07	2.71E-03	8.56E-07	3.63E-07	4.33E-03	1.37E-06	5.79E-07
1934	495511.06, 3859301.99	2.49E-03	7.85E-07	3.33E-07	2.69E-03	8.48E-07	3.60E-07	4.28E-03	1.35E-06	5.74E-07
1935	495561.06, 3859301.99	2.45E-03	7.72E-07	3.28E-07	2.64E-03	8.34E-07	3.54E-07	4.21E-03	1.33E-06	5.64E-07
1936	495611.06, 3859301.99	2.43E-03	7.67E-07	3.25E-07	2.62E-03	8.28E-07	3.51E-07	4.18E-03	1.32E-06	5.60E-07
1937	495661.06, 3859301.99	2.41E-03	7.61E-07	3.23E-07	2.60E-03	8.22E-07	3.49E-07	4.15E-03	1.31E-06	5.56E-07
1938	494311.06, 3859351.99	3.20E-03	1.01E-06	4.28E-07	3.46E-03	1.09E-06	4.63E-07	5.51E-03	1.74E-06	7.38E-07
1939	494361.06, 3859351.99	3.16E-03	9.99E-07	4.24E-07	3.42E-03	1.08E-06	4.58E-07	5.45E-03	1.72E-06	7.30E-07
1940	494411.06, 3859351.99	3.12E-03	9.83E-07	4.17E-07	3.37E-03	1.06E-06	4.51E-07	5.37E-03	1.69E-06	7.19E-07
1941	494461.06, 3859351.99	3.07E-03	9.70E-07	4.12E-07	3.32E-03	1.05E-06	4.45E-07	5.29E-03	1.67E-06	7.09E-07
1942	494511.06, 3859351.99	3.04E-03	9.58E-07	4.07E-07	3.28E-03	1.03E-06	4.39E-07	5.23E-03	1.65E-06	7.00E-07
1943	494561.06, 3859351.99	3.01E-03	9.49E-07	4.03E-07	3.25E-03	1.03E-06	4.35E-07	5.18E-03	1.64E-06	6.94E-07
1944	494611.06, 3859351.99	2.97E-03	9.39E-07	3.98E-07	3.21E-03	1.01E-06	4.30E-07	5.12E-03	1.62E-06	6.86E-07
1945	494661.06, 3859351.99	2.94E-03	9.27E-07	3.93E-07	3.17E-03	1.00E-06	4.25E-07	5.06E-03	1.60E-06	6.78E-07
1946	494711.06, 3859351.99	2.89E-03	9.13E-07	3.87E-07	3.12E-03	9.86E-07	4.18E-07	4.98E-03	1.57E-06	6.67E-07
1947	494761.06, 3859351.99	2.83E-03	8.94E-07	3.79E-07	3.06E-03	9.65E-07	4.09E-07	4.88E-03	1.54E-06	6.53E-07
1948	494811.06, 3859351.99	2.75E-03	8.67E-07	3.68E-07	2.97E-03	9.37E-07	3.97E-07	4.73E-03	1.49E-06	6.34E-07

1949	494861.06, 3859351.99	2.72E-03	8.57E-07	3.64E-07	2.93E-03	9.26E-07	3.93E-07	4.68E-03	1.48E-06	6.27E-07
1950	494911.06, 3859351.99	2.70E-03	8.51E-07	3.61E-07	2.91E-03	9.19E-07	3.90E-07	4.64E-03	1.47E-06	6.22E-07
1951	494961.06, 3859351.99	2.66E-03	8.39E-07	3.56E-07	2.87E-03	9.06E-07	3.84E-07	4.58E-03	1.45E-06	6.13E-07
1952	495011.06, 3859351.99	2.63E-03	8.31E-07	3.52E-07	2.84E-03	8.97E-07	3.81E-07	4.53E-03	1.43E-06	6.07E-07
1953	495061.06, 3859351.99	2.65E-03	8.36E-07	3.55E-07	2.86E-03	9.03E-07	3.83E-07	4.56E-03	1.44E-06	6.11E-07
1954	495111.06, 3859351.99	2.62E-03	8.26E-07	3.51E-07	2.83E-03	8.93E-07	3.79E-07	4.51E-03	1.42E-06	6.04E-07
1955	495161.06, 3859351.99	2.61E-03	8.22E-07	3.49E-07	2.81E-03	8.88E-07	3.77E-07	4.49E-03	1.42E-06	6.01E-07
1956	495211.06, 3859351.99	2.59E-03	8.17E-07	3.47E-07	2.80E-03	8.83E-07	3.75E-07	4.46E-03	1.41E-06	5.97E-07
1957	495261.06, 3859351.99	2.59E-03	8.16E-07	3.46E-07	2.79E-03	8.81E-07	3.74E-07	4.45E-03	1.41E-06	5.96E-07
1958	495311.06, 3859351.99	2.56E-03	8.08E-07	3.43E-07	2.77E-03	8.73E-07	3.70E-07	4.41E-03	1.39E-06	5.91E-07
1959	495361.06, 3859351.99	2.55E-03	8.04E-07	3.41E-07	2.75E-03	8.69E-07	3.69E-07	4.39E-03	1.39E-06	5.88E-07
1960	495411.06, 3859351.99	2.54E-03	8.02E-07	3.40E-07	2.75E-03	8.67E-07	3.68E-07	4.38E-03	1.38E-06	5.86E-07
1961	495461.06, 3859351.99	2.54E-03	8.02E-07	3.40E-07	2.75E-03	8.66E-07	3.68E-07	4.38E-03	1.38E-06	5.86E-07
1962	495511.06, 3859351.99	2.51E-03	7.91E-07	3.36E-07	2.71E-03	8.55E-07	3.63E-07	4.32E-03	1.36E-06	5.78E-07
1963	495561.06, 3859351.99	2.48E-03	7.84E-07	3.32E-07	2.68E-03	8.46E-07	3.59E-07	4.28E-03	1.35E-06	5.73E-07
1964	495611.06, 3859351.99	2.47E-03	7.78E-07	3.30E-07	2.66E-03	8.40E-07	3.57E-07	4.25E-03	1.34E-06	5.69E-07
1965	495661.06, 3859351.99	2.43E-03	7.67E-07	3.26E-07	2.63E-03	8.29E-07	3.52E-07	4.19E-03	1.32E-06	5.61E-07
1966	494311.06, 3859401.99	3.19E-03	1.01E-06	4.28E-07	3.45E-03	1.09E-06	4.62E-07	5.50E-03	1.74E-06	7.36E-07
1967	494361.06, 3859401.99	3.15E-03	9.94E-07	4.22E-07	3.40E-03	1.07E-06	4.55E-07	5.42E-03	1.71E-06	7.26E-07
1968	494411.06, 3859401.99	3.10E-03	9.79E-07	4.15E-07	3.35E-03	1.06E-06	4.48E-07	5.34E-03	1.69E-06	7.15E-07
1969	494461.06, 3859401.99	3.06E-03	9.67E-07	4.10E-07	3.31E-03	1.04E-06	4.43E-07	5.28E-03	1.67E-06	7.07E-07
1970	494511.06, 3859401.99	3.04E-03	9.60E-07	4.07E-07	3.28E-03	1.04E-06	4.40E-07	5.24E-03	1.65E-06	7.01E-07
1971	494561.06, 3859401.99	3.01E-03	9.50E-07	4.03E-07	3.25E-03	1.03E-06	4.35E-07	5.19E-03	1.64E-06	6.94E-07
1972	494611.06, 3859401.99	2.97E-03	9.38E-07	3.98E-07	3.21E-03	1.01E-06	4.30E-07	5.12E-03	1.62E-06	6.86E-07
1973	494661.06, 3859401.99	2.95E-03	9.30E-07	3.95E-07	3.18E-03	1.00E-06	4.26E-07	5.08E-03	1.60E-06	6.80E-07
1974	494711.06, 3859401.99	2.91E-03	9.20E-07	3.90E-07	3.15E-03	9.94E-07	4.22E-07	5.02E-03	1.58E-06	6.72E-07
1975	494761.06, 3859401.99	2.85E-03	9.00E-07	3.82E-07	3.08E-03	9.72E-07	4.12E-07	4.91E-03	1.55E-06	6.58E-07
1976	494811.06, 3859401.99	2.80E-03	8.85E-07	3.76E-07	3.03E-03	9.56E-07	4.06E-07	4.83E-03	1.52E-06	6.47E-07
1977	494861.06, 3859401.99	2.74E-03	8.66E-07	3.67E-07	2.96E-03	9.35E-07	3.97E-07	4.73E-03	1.49E-06	6.33E-07
1978	494911.06, 3859401.99	2.71E-03	8.54E-07	3.62E-07	2.92E-03	9.23E-07	3.91E-07	4.66E-03	1.47E-06	6.24E-07
1979	494961.06, 3859401.99	2.69E-03	8.48E-07	3.60E-07	2.90E-03	9.15E-07	3.88E-07	4.63E-03	1.46E-06	6.19E-07
1980	495011.06, 3859401.99	2.67E-03	8.43E-07	3.58E-07	2.89E-03	9.11E-07	3.86E-07	4.60E-03	1.45E-06	6.16E-07
1981	495061.06, 3859401.99	2.66E-03	8.41E-07	3.57E-07	2.88E-03	9.08E-07	3.85E-07	4.59E-03	1.45E-06	6.15E-07
1982	495111.06, 3859401.99	2.63E-03	8.31E-07	3.53E-07	2.84E-03	8.98E-07	3.81E-07	4.54E-03	1.43E-06	6.08E-07
1983	495161.06, 3859401.99	2.62E-03	8.28E-07	3.51E-07	2.83E-03	8.95E-07	3.80E-07	4.52E-03	1.43E-06	6.05E-07
1984	495211.06, 3859401.99	2.62E-03	8.27E-07	3.51E-07	2.83E-03	8.94E-07	3.79E-07	4.52E-03	1.43E-06	6.05E-07
1985	495261.06, 3859401.99	2.61E-03	8.23E-07	3.49E-07	2.82E-03	8.89E-07	3.77E-07	4.49E-03	1.42E-06	6.01E-07
1986	495311.06, 3859401.99	2.59E-03	8.17E-07	3.47E-07	2.80E-03	8.83E-07	3.75E-07	4.46E-03	1.41E-06	5.97E-07
1987	495361.06, 3859401.99	2.59E-03	8.17E-07	3.47E-07	2.80E-03	8.83E-07	3.75E-07	4.46E-03	1.41E-06	5.97E-07
1988	495411.06, 3859401.99	2.58E-03	8.14E-07	3.45E-07	2.79E-03	8.79E-07	3.73E-07	4.44E-03	1.40E-06	5.95E-07
1989	495461.06, 3859401.99	2.56E-03	8.08E-07	3.43E-07	2.76E-03	8.72E-07	3.70E-07	4.41E-03	1.39E-06	5.90E-07
1990	495511.06, 3859401.99	2.53E-03	7.97E-07	3.38E-07	2.73E-03	8.61E-07	3.65E-07	4.35E-03	1.37E-06	5.83E-07
1991	495561.06, 3859401.99	2.49E-03	7.86E-07	3.33E-07	2.69E-03	8.49E-07	3.60E-07	4.29E-03	1.35E-06	5.74E-07
1992	495611.06, 3859401.99	2.47E-03	7.79E-07	3.31E-07	2.67E-03	8.42E-07	3.57E-07	4.25E-03	1.34E-06	5.70E-07
1993	495661.06, 3859401.99	2.45E-03	7.74E-07	3.28E-07	2.65E-03	8.36E-07	3.55E-07	4.23E-03	1.33E-06	5.66E-07
1994	494311.06, 3859451.99	3.17E-03	9.99E-07	4.24E-07	3.42E-03	1.08E-06	4.58E-07	5.45E-03	1.72E-06	7.30E-07
1995	494361.06, 3859451.99	3.13E-03	9.87E-07	4.19E-07	3.38E-03	1.07E-06	4.52E-07	5.38E-03	1.70E-06	7.21E-07
1996	494411.06, 3859451.99	3.07E-03	9.70E-07	4.11E-07	3.32E-03	1.05E-06	4.44E-07	5.29E-03	1.67E-06	7.08E-07
1997	494461.06, 3859451.99	3.05E-03	9.64E-07	4.09E-07	3.30E-03	1.04E-06	4.42E-07	5.26E-03	1.66E-06	7.04E-07
1998	494511.06, 3859451.99	3.02E-03	9.53E-07	4.04E-07	3.26E-03	1.03E-06	4.37E-07	5.20E-03	1.64E-06	6.96E-07
1999	494561.06, 3859451.99	2.99E-03	9.44E-07	4.01E-07	3.23E-03	1.02E-06	4.33E-07	5.15E-03	1.63E-06	6.90E-07
2000	494611.06, 3859451.99	2.98E-03	9.39E-07	3.99E-07	3.21E-03	1.01E-06	4.30E-07	5.13E-03	1.62E-06	6.86E-07
2001	494661.06, 3859451.99	2.94E-03	9.28E-07	3.94E-07	3.17E-03	1.00E-06	4.25E-07	5.06E-03	1.60E-06	6.78E-07
2002	494711.06, 3859451.99	2.90E-03	9.16E-07	3.89E-07	3.13E-03	9.89E-07	4.20E-07	5.00E-03	1.58E-06	6.69E-07
2003	494761.06, 3859451.99	2.87E-03	9.06E-07	3.84E-07	3.10E-03	9.79E-07	4.15E-07	4.94E-03	1.56E-06	6.62E-07
2004	494811.06, 3859451.99	2.82E-03	8.90E-07	3.78E-07	3.05E-03	9.62E-07	4.08E-07	4.86E-03	1.53E-06	6.51E-07
2005	494861.06, 3859451.99	2.78E-03	8.77E-07	3.72E-07	3.00E-03	9.48E-07	4.02E-07	4.79E-03	1.51E-06	6.41E-07
2006	494911.06, 3859451.99	2.75E-03	8.68E-07	3.68E-07	2.97E-03	9.37E-07	3.98E-07	4.74E-03	1.49E-06	6.34E-07
2007	494961.06, 3859451.99	2.73E-03	8.62E-07	3.66E-07	2.95E-03	9.31E-07	3.95E-07	4.71E-03	1.49E-06	6.30E-07
2008	495011.06, 3859451.99	2.71E-03	8.55E-07	3.63E-07	2.93E-03	9.23E-07	3.92E-07	4.67E-03	1.47E-06	6.25E-07
2009	495061.06, 3859451.99	2.69E-03	8.48E-07	3.60E-07	2.90E-03	9.16E-07	3.89E-07	4.63E-03	1.46E-06	6.20E-07

2010	495111.06, 3859451.99	2.66E-03	8.40E-07	3.57E-07	2.88E-03	9.08E-07	3.85E-07	4.59E-03	1.45E-06	6.14E-07
2011	495161.06, 3859451.99	2.65E-03	8.37E-07	3.55E-07	2.87E-03	9.05E-07	3.84E-07	4.57E-03	1.44E-06	6.12E-07
2012	495211.06, 3859451.99	2.65E-03	8.36E-07	3.55E-07	2.86E-03	9.03E-07	3.83E-07	4.56E-03	1.44E-06	6.11E-07
2013	495261.06, 3859451.99	2.64E-03	8.33E-07	3.54E-07	2.85E-03	9.00E-07	3.82E-07	4.55E-03	1.44E-06	6.09E-07
2014	495311.06, 3859451.99	2.62E-03	8.28E-07	3.51E-07	2.83E-03	8.94E-07	3.79E-07	4.52E-03	1.43E-06	6.05E-07
2015	495361.06, 3859451.99	2.61E-03	8.24E-07	3.49E-07	2.82E-03	8.90E-07	3.77E-07	4.50E-03	1.42E-06	6.02E-07
2016	495411.06, 3859451.99	2.59E-03	8.18E-07	3.47E-07	2.80E-03	8.83E-07	3.75E-07	4.46E-03	1.41E-06	5.98E-07
2017	495461.06, 3859451.99	2.58E-03	8.13E-07	3.45E-07	2.78E-03	8.78E-07	3.73E-07	4.44E-03	1.40E-06	5.94E-07
2018	495511.06, 3859451.99	2.54E-03	8.02E-07	3.40E-07	2.74E-03	8.66E-07	3.67E-07	4.38E-03	1.38E-06	5.86E-07
2019	495561.06, 3859451.99	2.52E-03	7.95E-07	3.37E-07	2.72E-03	8.58E-07	3.64E-07	4.34E-03	1.37E-06	5.81E-07
2020	495611.06, 3859451.99	2.50E-03	7.88E-07	3.34E-07	2.70E-03	8.51E-07	3.61E-07	4.30E-03	1.36E-06	5.76E-07
2021	495661.06, 3859451.99	2.48E-03	7.82E-07	3.32E-07	2.68E-03	8.45E-07	3.58E-07	4.27E-03	1.35E-06	5.71E-07
2022	494311.06, 3859501.99	3.14E-03	9.92E-07	4.21E-07	3.40E-03	1.07E-06	4.55E-07	5.41E-03	1.71E-06	7.24E-07
2023	494361.06, 3859501.99	3.11E-03	9.81E-07	4.16E-07	3.36E-03	1.06E-06	4.49E-07	5.35E-03	1.69E-06	7.16E-07
2024	494411.06, 3859501.99	3.04E-03	9.60E-07	4.07E-07	3.29E-03	1.04E-06	4.40E-07	5.24E-03	1.65E-06	7.01E-07
2025	494461.06, 3859501.99	3.04E-03	9.60E-07	4.07E-07	3.28E-03	1.04E-06	4.40E-07	5.24E-03	1.65E-06	7.01E-07
2026	494511.06, 3859501.99	3.01E-03	9.49E-07	4.02E-07	3.25E-03	1.02E-06	4.35E-07	5.17E-03	1.63E-06	6.93E-07
2027	494561.06, 3859501.99	2.97E-03	9.39E-07	3.98E-07	3.21E-03	1.01E-06	4.30E-07	5.12E-03	1.62E-06	6.86E-07
2028	494611.06, 3859501.99	2.98E-03	9.39E-07	3.99E-07	3.21E-03	1.01E-06	4.30E-07	5.12E-03	1.62E-06	6.86E-07
2029	494661.06, 3859501.99	2.94E-03	9.27E-07	3.93E-07	3.17E-03	1.00E-06	4.25E-07	5.06E-03	1.60E-06	6.77E-07
2030	494711.06, 3859501.99	2.89E-03	9.11E-07	3.87E-07	3.12E-03	9.84E-07	4.17E-07	4.97E-03	1.57E-06	6.66E-07
2031	494761.06, 3859501.99	2.88E-03	9.08E-07	3.85E-07	3.11E-03	9.81E-07	4.16E-07	4.96E-03	1.56E-06	6.64E-07
2032	494811.06, 3859501.99	2.81E-03	8.88E-07	3.77E-07	3.04E-03	9.59E-07	4.07E-07	4.85E-03	1.53E-06	6.49E-07
2033	494861.06, 3859501.99	2.79E-03	8.80E-07	3.73E-07	3.01E-03	9.50E-07	4.03E-07	4.80E-03	1.52E-06	6.43E-07
2034	494911.06, 3859501.99	2.77E-03	8.75E-07	3.71E-07	2.99E-03	9.45E-07	4.01E-07	4.78E-03	1.51E-06	6.39E-07
2035	494961.06, 3859501.99	2.74E-03	8.65E-07	3.67E-07	2.96E-03	9.34E-07	3.96E-07	4.72E-03	1.49E-06	6.32E-07
2036	495011.06, 3859501.99	2.72E-03	8.60E-07	3.65E-07	2.94E-03	9.29E-07	3.94E-07	4.69E-03	1.48E-06	6.29E-07
2037	495061.06, 3859501.99	2.71E-03	8.56E-07	3.63E-07	2.93E-03	9.24E-07	3.92E-07	4.67E-03	1.47E-06	6.25E-07
2038	495111.06, 3859501.99	2.68E-03	8.46E-07	3.59E-07	2.89E-03	9.14E-07	3.88E-07	4.62E-03	1.46E-06	6.18E-07
2039	495161.06, 3859501.99	2.67E-03	8.42E-07	3.57E-07	2.88E-03	9.09E-07	3.86E-07	4.60E-03	1.45E-06	6.15E-07
2040	495211.06, 3859501.99	2.66E-03	8.41E-07	3.57E-07	2.88E-03	9.08E-07	3.85E-07	4.59E-03	1.45E-06	6.14E-07
2041	495261.06, 3859501.99	2.65E-03	8.36E-07	3.55E-07	2.86E-03	9.03E-07	3.83E-07	4.57E-03	1.44E-06	6.11E-07
2042	495311.06, 3859501.99	2.64E-03	8.34E-07	3.54E-07	2.85E-03	9.00E-07	3.82E-07	4.55E-03	1.44E-06	6.09E-07
2043	495361.06, 3859501.99	2.63E-03	8.29E-07	3.52E-07	2.84E-03	8.95E-07	3.80E-07	4.52E-03	1.43E-06	6.06E-07
2044	495411.06, 3859501.99	2.61E-03	8.24E-07	3.50E-07	2.82E-03	8.90E-07	3.78E-07	4.50E-03	1.42E-06	6.02E-07
2045	495461.06, 3859501.99	2.59E-03	8.18E-07	3.47E-07	2.80E-03	8.84E-07	3.75E-07	4.47E-03	1.41E-06	5.98E-07
2046	495511.06, 3859501.99	2.55E-03	8.05E-07	3.41E-07	2.75E-03	8.69E-07	3.69E-07	4.39E-03	1.39E-06	5.88E-07
2047	495561.06, 3859501.99	2.54E-03	8.02E-07	3.40E-07	2.75E-03	8.66E-07	3.68E-07	4.38E-03	1.38E-06	5.86E-07
2048	495611.06, 3859501.99	2.52E-03	7.95E-07	3.37E-07	2.72E-03	8.59E-07	3.64E-07	4.34E-03	1.37E-06	5.81E-07
2049	495661.06, 3859501.99	2.49E-03	7.87E-07	3.34E-07	2.69E-03	8.50E-07	3.61E-07	4.30E-03	1.36E-06	5.75E-07
2050	494311.06, 3859551.99	3.12E-03	9.83E-07	4.17E-07	3.36E-03	1.06E-06	4.50E-07	5.36E-03	1.69E-06	7.18E-07
2051	494361.06, 3859551.99	3.08E-03	9.71E-07	4.12E-07	3.32E-03	1.05E-06	4.45E-07	5.29E-03	1.67E-06	7.09E-07
2052	494411.06, 3859551.99	3.01E-03	9.51E-07	4.03E-07	3.25E-03	1.03E-06	4.36E-07	5.19E-03	1.64E-06	6.94E-07
2053	494461.06, 3859551.99	3.02E-03	9.53E-07	4.04E-07	3.26E-03	1.03E-06	4.37E-07	5.20E-03	1.64E-06	6.96E-07
2054	494511.06, 3859551.99	2.99E-03	9.43E-07	4.00E-07	3.23E-03	1.02E-06	4.32E-07	5.14E-03	1.62E-06	6.88E-07
2055	494561.06, 3859551.99	2.96E-03	9.35E-07	3.97E-07	3.20E-03	1.01E-06	4.28E-07	5.10E-03	1.61E-06	6.83E-07
2056	494611.06, 3859551.99	2.95E-03	9.30E-07	3.95E-07	3.18E-03	1.00E-06	4.26E-07	5.07E-03	1.60E-06	6.80E-07
2057	494661.06, 3859551.99	2.93E-03	9.24E-07	3.92E-07	3.16E-03	9.98E-07	4.23E-07	5.04E-03	1.59E-06	6.75E-07
2058	494711.06, 3859551.99	2.86E-03	9.02E-07	3.83E-07	3.09E-03	9.74E-07	4.13E-07	4.92E-03	1.55E-06	6.59E-07
2059	494761.06, 3859551.99	2.87E-03	9.06E-07	3.84E-07	3.10E-03	9.78E-07	4.15E-07	4.94E-03	1.56E-06	6.62E-07
2060	494811.06, 3859551.99	2.82E-03	8.90E-07	3.78E-07	3.04E-03	9.61E-07	4.08E-07	4.85E-03	1.53E-06	6.50E-07
2061	494861.06, 3859551.99	2.80E-03	8.83E-07	3.74E-07	3.02E-03	9.53E-07	4.04E-07	4.82E-03	1.52E-06	6.45E-07
2062	494911.06, 3859551.99	2.77E-03	8.74E-07	3.71E-07	2.99E-03	9.43E-07	4.00E-07	4.77E-03	1.50E-06	6.38E-07
2063	494961.06, 3859551.99	2.75E-03	8.69E-07	3.69E-07	2.97E-03	9.39E-07	3.98E-07	4.74E-03	1.50E-06	6.35E-07
2064	495011.06, 3859551.99	2.74E-03	8.66E-07	3.68E-07	2.96E-03	9.36E-07	3.97E-07	4.73E-03	1.49E-06	6.33E-07
2065	495061.06, 3859551.99	2.72E-03	8.60E-07	3.65E-07	2.94E-03	9.28E-07	3.94E-07	4.69E-03	1.48E-06	6.28E-07
2066	495111.06, 3859551.99	2.70E-03	8.51E-07	3.61E-07	2.91E-03	9.19E-07	3.90E-07	4.64E-03	1.47E-06	6.22E-07
2067	495161.06, 3859551.99	2.69E-03	8.48E-07	3.60E-07	2.90E-03	9.16E-07	3.89E-07	4.63E-03	1.46E-06	6.20E-07
2068	495211.06, 3859551.99	2.68E-03	8.47E-07	3.59E-07	2.90E-03	9.14E-07	3.88E-07	4.62E-03	1.46E-06	6.19E-07
2069	495261.06, 3859551.99	2.66E-03	8.40E-07	3.56E-07	2.87E-03	9.07E-07	3.85E-07	4.58E-03	1.45E-06	6.14E-07
2070	495311.06, 3859551.99	2.64E-03	8.35E-07	3.54E-07	2.86E-03	9.01E-07	3.82E-07	4.55E-03	1.44E-06	6.10E-07

2071	495361.06, 3859551.99	2.63E-03	8.31E-07	3.52E-07	2.84E-03	8.97E-07	3.81E-07	4.53E-03	1.43E-06	6.07E-07
2072	495411.06, 3859551.99	2.62E-03	8.28E-07	3.51E-07	2.83E-03	8.94E-07	3.79E-07	4.52E-03	1.43E-06	6.05E-07
2073	495461.06, 3859551.99	2.59E-03	8.19E-07	3.47E-07	2.80E-03	8.84E-07	3.75E-07	4.47E-03	1.41E-06	5.98E-07
2074	495511.06, 3859551.99	2.56E-03	8.09E-07	3.43E-07	2.77E-03	8.74E-07	3.71E-07	4.42E-03	1.39E-06	5.92E-07
2075	495561.06, 3859551.99	2.55E-03	8.04E-07	3.41E-07	2.75E-03	8.68E-07	3.68E-07	4.39E-03	1.38E-06	5.88E-07
2076	495611.06, 3859551.99	2.53E-03	7.98E-07	3.39E-07	2.73E-03	8.62E-07	3.66E-07	4.36E-03	1.38E-06	5.83E-07
2077	495661.06, 3859551.99	2.51E-03	7.91E-07	3.36E-07	2.71E-03	8.54E-07	3.62E-07	4.32E-03	1.36E-06	5.78E-07
2078	494311.06, 3859601.99	3.09E-03	9.75E-07	4.14E-07	3.34E-03	1.05E-06	4.47E-07	5.31E-03	1.68E-06	7.11E-07
2079	494361.06, 3859601.99	3.03E-03	9.56E-07	4.06E-07	3.27E-03	1.03E-06	4.38E-07	5.21E-03	1.64E-06	6.98E-07
2080	494411.06, 3859601.99	2.99E-03	9.44E-07	4.01E-07	3.23E-03	1.02E-06	4.33E-07	5.15E-03	1.62E-06	6.89E-07
2081	494461.06, 3859601.99	3.00E-03	9.46E-07	4.01E-07	3.24E-03	1.02E-06	4.33E-07	5.15E-03	1.63E-06	6.90E-07
2082	494511.06, 3859601.99	2.95E-03	9.32E-07	3.96E-07	3.19E-03	1.01E-06	4.27E-07	5.08E-03	1.60E-06	6.81E-07
2083	494561.06, 3859601.99	2.95E-03	9.31E-07	3.95E-07	3.19E-03	1.01E-06	4.27E-07	5.08E-03	1.60E-06	6.80E-07
2084	494611.06, 3859601.99	2.94E-03	9.28E-07	3.94E-07	3.17E-03	1.00E-06	4.25E-07	5.06E-03	1.60E-06	6.77E-07
2085	494661.06, 3859601.99	2.89E-03	9.13E-07	3.87E-07	3.12E-03	9.86E-07	4.18E-07	4.98E-03	1.57E-06	6.67E-07
2086	494711.06, 3859601.99	2.85E-03	8.99E-07	3.81E-07	3.08E-03	9.71E-07	4.12E-07	4.90E-03	1.55E-06	6.56E-07
2087	494761.06, 3859601.99	2.87E-03	9.06E-07	3.84E-07	3.10E-03	9.79E-07	4.15E-07	4.94E-03	1.56E-06	6.62E-07
2088	494811.06, 3859601.99	2.82E-03	8.91E-07	3.78E-07	3.05E-03	9.62E-07	4.08E-07	4.86E-03	1.53E-06	6.51E-07
2089	494861.06, 3859601.99	2.80E-03	8.85E-07	3.75E-07	3.03E-03	9.56E-07	4.05E-07	4.83E-03	1.52E-06	6.46E-07
2090	494911.06, 3859601.99	2.77E-03	8.73E-07	3.70E-07	2.99E-03	9.43E-07	4.00E-07	4.76E-03	1.50E-06	6.38E-07
2091	494961.06, 3859601.99	2.77E-03	8.75E-07	3.71E-07	2.99E-03	9.45E-07	4.01E-07	4.77E-03	1.51E-06	6.39E-07
2092	495011.06, 3859601.99	2.73E-03	8.62E-07	3.66E-07	2.95E-03	9.31E-07	3.95E-07	4.70E-03	1.48E-06	6.30E-07
2093	495061.06, 3859601.99	2.73E-03	8.61E-07	3.65E-07	2.95E-03	9.30E-07	3.95E-07	4.70E-03	1.48E-06	6.29E-07
2094	495111.06, 3859601.99	2.70E-03	8.53E-07	3.62E-07	2.92E-03	9.21E-07	3.91E-07	4.65E-03	1.47E-06	6.23E-07
2095	495161.06, 3859601.99	2.69E-03	8.50E-07	3.61E-07	2.91E-03	9.18E-07	3.90E-07	4.64E-03	1.46E-06	6.21E-07
2096	495211.06, 3859601.99	2.68E-03	8.45E-07	3.59E-07	2.89E-03	9.13E-07	3.87E-07	4.61E-03	1.46E-06	6.18E-07
2097	495261.06, 3859601.99	2.67E-03	8.42E-07	3.57E-07	2.88E-03	9.09E-07	3.86E-07	4.59E-03	1.45E-06	6.15E-07
2098	495311.06, 3859601.99	2.66E-03	8.39E-07	3.56E-07	2.87E-03	9.06E-07	3.84E-07	4.58E-03	1.44E-06	6.13E-07
2099	495361.06, 3859601.99	2.64E-03	8.34E-07	3.54E-07	2.85E-03	9.00E-07	3.82E-07	4.55E-03	1.44E-06	6.09E-07
2100	495411.06, 3859601.99	2.63E-03	8.30E-07	3.52E-07	2.84E-03	8.97E-07	3.80E-07	4.53E-03	1.43E-06	6.07E-07
2101	495461.06, 3859601.99	2.60E-03	8.20E-07	3.48E-07	2.80E-03	8.85E-07	3.76E-07	4.47E-03	1.41E-06	5.99E-07
2102	495511.06, 3859601.99	2.57E-03	8.10E-07	3.44E-07	2.77E-03	8.75E-07	3.71E-07	4.42E-03	1.40E-06	5.92E-07
2103	495561.06, 3859601.99	2.56E-03	8.08E-07	3.43E-07	2.77E-03	8.73E-07	3.70E-07	4.41E-03	1.39E-06	5.91E-07
2104	495611.06, 3859601.99	2.53E-03	7.97E-07	3.38E-07	2.73E-03	8.61E-07	3.65E-07	4.35E-03	1.37E-06	5.83E-07
2105	495661.06, 3859601.99	2.52E-03	7.94E-07	3.37E-07	2.72E-03	8.57E-07	3.64E-07	4.33E-03	1.37E-06	5.80E-07
2106	494311.06, 3859651.99	3.04E-03	9.61E-07	4.08E-07	3.29E-03	1.04E-06	4.40E-07	5.23E-03	1.65E-06	7.01E-07
2107	494361.06, 3859651.99	2.99E-03	9.44E-07	4.01E-07	3.23E-03	1.02E-06	4.33E-07	5.15E-03	1.62E-06	6.89E-07
2108	494411.06, 3859651.99	2.97E-03	9.38E-07	3.98E-07	3.21E-03	1.01E-06	4.30E-07	5.11E-03	1.61E-06	6.84E-07
2109	494461.06, 3859651.99	2.97E-03	9.38E-07	3.98E-07	3.21E-03	1.01E-06	4.30E-07	5.11E-03	1.61E-06	6.85E-07
2110	494511.06, 3859651.99	2.95E-03	9.31E-07	3.95E-07	3.19E-03	1.01E-06	4.27E-07	5.07E-03	1.60E-06	6.79E-07
2111	494561.06, 3859651.99	2.94E-03	9.26E-07	3.93E-07	3.17E-03	1.00E-06	4.24E-07	5.05E-03	1.59E-06	6.76E-07
2112	494611.06, 3859651.99	2.92E-03	9.21E-07	3.91E-07	3.15E-03	9.95E-07	4.22E-07	5.02E-03	1.58E-06	6.72E-07
2113	494661.06, 3859651.99	2.87E-03	9.05E-07	3.84E-07	3.10E-03	9.78E-07	4.15E-07	4.94E-03	1.56E-06	6.61E-07
2114	494711.06, 3859651.99	2.86E-03	9.01E-07	3.82E-07	3.08E-03	9.73E-07	4.13E-07	4.91E-03	1.55E-06	6.58E-07
2115	494761.06, 3859651.99	2.85E-03	8.98E-07	3.81E-07	3.07E-03	9.70E-07	4.11E-07	4.90E-03	1.55E-06	6.56E-07
2116	494811.06, 3859651.99	2.82E-03	8.89E-07	3.77E-07	3.04E-03	9.60E-07	4.07E-07	4.84E-03	1.53E-06	6.49E-07
2117	494861.06, 3859651.99	2.80E-03	8.84E-07	3.75E-07	3.03E-03	9.55E-07	4.05E-07	4.82E-03	1.52E-06	6.46E-07
2118	494911.06, 3859651.99	2.78E-03	8.77E-07	3.72E-07	3.00E-03	9.47E-07	4.02E-07	4.78E-03	1.51E-06	6.41E-07
2119	494961.06, 3859651.99	2.76E-03	8.72E-07	3.70E-07	2.99E-03	9.42E-07	4.00E-07	4.76E-03	1.50E-06	6.37E-07
2120	495011.06, 3859651.99	2.74E-03	8.66E-07	3.68E-07	2.96E-03	9.36E-07	3.97E-07	4.72E-03	1.49E-06	6.33E-07
2121	495061.06, 3859651.99	2.73E-03	8.63E-07	3.66E-07	2.95E-03	9.32E-07	3.95E-07	4.70E-03	1.48E-06	6.30E-07
2122	495111.06, 3859651.99	2.71E-03	8.56E-07	3.63E-07	2.93E-03	9.24E-07	3.92E-07	4.67E-03	1.47E-06	6.25E-07
2123	495161.06, 3859651.99	2.70E-03	8.51E-07	3.61E-07	2.91E-03	9.19E-07	3.90E-07	4.64E-03	1.46E-06	6.21E-07
2124	495211.06, 3859651.99	2.68E-03	8.47E-07	3.60E-07	2.90E-03	9.15E-07	3.88E-07	4.62E-03	1.46E-06	6.19E-07
2125	495261.06, 3859651.99	2.67E-03	8.42E-07	3.57E-07	2.88E-03	9.10E-07	3.86E-07	4.59E-03	1.45E-06	6.15E-07
2126	495311.06, 3859651.99	2.66E-03	8.38E-07	3.56E-07	2.87E-03	9.05E-07	3.84E-07	4.57E-03	1.44E-06	6.12E-07
2127	495361.06, 3859651.99	2.64E-03	8.34E-07	3.54E-07	2.86E-03	9.01E-07	3.82E-07	4.55E-03	1.44E-06	6.10E-07
2128	495411.06, 3859651.99	2.63E-03	8.29E-07	3.52E-07	2.84E-03	8.96E-07	3.80E-07	4.52E-03	1.43E-06	6.06E-07
2129	495461.06, 3859651.99	2.60E-03	8.20E-07	3.48E-07	2.81E-03	8.85E-07	3.76E-07	4.47E-03	1.41E-06	5.99E-07
2130	495511.06, 3859651.99	2.57E-03	8.11E-07	3.44E-07	2.78E-03	8.76E-07	3.72E-07	4.43E-03	1.40E-06	5.93E-07
2131	495561.06, 3859651.99	2.56E-03	8.08E-07	3.43E-07	2.76E-03	8.72E-07	3.70E-07	4.41E-03	1.39E-06	5.90E-07

2132	495611.06, 3859651.99	2.54E-03	8.02E-07	3.40E-07	2.74E-03	8.66E-07	3.67E-07	4.37E-03	1.38E-06	5.86E-07
2133	495661.06, 3859651.99	2.52E-03	7.95E-07	3.37E-07	2.72E-03	8.59E-07	3.64E-07	4.34E-03	1.37E-06	5.81E-07
2134	494311.06, 3859701.99	2.97E-03	9.38E-07	3.98E-07	3.21E-03	1.01E-06	4.30E-07	5.11E-03	1.61E-06	6.84E-07
2135	494361.06, 3859701.99	2.95E-03	9.30E-07	3.95E-07	3.18E-03	1.00E-06	4.26E-07	5.07E-03	1.60E-06	6.79E-07
2136	494411.06, 3859701.99	2.94E-03	9.27E-07	3.93E-07	3.17E-03	1.00E-06	4.25E-07	5.05E-03	1.59E-06	6.76E-07
2137	494461.06, 3859701.99	2.95E-03	9.30E-07	3.94E-07	3.18E-03	1.00E-06	4.26E-07	5.06E-03	1.60E-06	6.78E-07
2138	494511.06, 3859701.99	2.93E-03	9.24E-07	3.92E-07	3.16E-03	9.97E-07	4.23E-07	5.03E-03	1.59E-06	6.74E-07
2139	494561.06, 3859701.99	2.91E-03	9.20E-07	3.90E-07	3.15E-03	9.93E-07	4.21E-07	5.01E-03	1.58E-06	6.71E-07
2140	494611.06, 3859701.99	2.90E-03	9.15E-07	3.88E-07	3.13E-03	9.88E-07	4.19E-07	4.99E-03	1.57E-06	6.68E-07
2141	494661.06, 3859701.99	2.85E-03	8.99E-07	3.81E-07	3.08E-03	9.71E-07	4.12E-07	4.90E-03	1.55E-06	6.56E-07
2142	494711.06, 3859701.99	2.84E-03	8.98E-07	3.81E-07	3.07E-03	9.69E-07	4.11E-07	4.89E-03	1.54E-06	6.55E-07
2143	494761.06, 3859701.99	2.82E-03	8.90E-07	3.78E-07	3.05E-03	9.61E-07	4.08E-07	4.85E-03	1.53E-06	6.50E-07
2144	494811.06, 3859701.99	2.80E-03	8.82E-07	3.74E-07	3.02E-03	9.53E-07	4.04E-07	4.81E-03	1.52E-06	6.44E-07
2145	494861.06, 3859701.99	2.79E-03	8.82E-07	3.74E-07	3.02E-03	9.52E-07	4.04E-07	4.81E-03	1.52E-06	6.44E-07
2146	494911.06, 3859701.99	2.77E-03	8.75E-07	3.71E-07	2.99E-03	9.45E-07	4.01E-07	4.77E-03	1.51E-06	6.39E-07
2147	494961.06, 3859701.99	2.75E-03	8.69E-07	3.69E-07	2.97E-03	9.38E-07	3.98E-07	4.74E-03	1.50E-06	6.34E-07
2148	495011.06, 3859701.99	2.74E-03	8.66E-07	3.67E-07	2.96E-03	9.35E-07	3.97E-07	4.72E-03	1.49E-06	6.32E-07
2149	495061.06, 3859701.99	2.73E-03	8.61E-07	3.65E-07	2.94E-03	9.29E-07	3.94E-07	4.69E-03	1.48E-06	6.28E-07
2150	495111.06, 3859701.99	2.71E-03	8.55E-07	3.63E-07	2.93E-03	9.24E-07	3.92E-07	4.66E-03	1.47E-06	6.25E-07
2151	495161.06, 3859701.99	2.69E-03	8.49E-07	3.60E-07	2.91E-03	9.17E-07	3.89E-07	4.63E-03	1.46E-06	6.20E-07
2152	495211.06, 3859701.99	2.67E-03	8.43E-07	3.58E-07	2.88E-03	9.10E-07	3.86E-07	4.60E-03	1.45E-06	6.16E-07
2153	495261.06, 3859701.99	2.67E-03	8.42E-07	3.57E-07	2.88E-03	9.09E-07	3.86E-07	4.59E-03	1.45E-06	6.15E-07
2154	495311.06, 3859701.99	2.65E-03	8.36E-07	3.55E-07	2.86E-03	9.03E-07	3.83E-07	4.56E-03	1.44E-06	6.11E-07
2155	495361.06, 3859701.99	2.63E-03	8.31E-07	3.53E-07	2.84E-03	8.97E-07	3.81E-07	4.53E-03	1.43E-06	6.07E-07
2156	495411.06, 3859701.99	2.61E-03	8.23E-07	3.49E-07	2.82E-03	8.89E-07	3.77E-07	4.49E-03	1.42E-06	6.01E-07
2157	495461.06, 3859701.99	2.59E-03	8.18E-07	3.47E-07	2.80E-03	8.83E-07	3.75E-07	4.46E-03	1.41E-06	5.97E-07
2158	495511.06, 3859701.99	2.55E-03	8.06E-07	3.42E-07	2.76E-03	8.71E-07	3.70E-07	4.40E-03	1.39E-06	5.89E-07
2159	495561.06, 3859701.99	2.56E-03	8.07E-07	3.42E-07	2.76E-03	8.71E-07	3.70E-07	4.40E-03	1.39E-06	5.89E-07
2160	495611.06, 3859701.99	2.54E-03	8.01E-07	3.40E-07	2.74E-03	8.66E-07	3.67E-07	4.37E-03	1.38E-06	5.85E-07
2161	495661.06, 3859701.99	2.52E-03	7.96E-07	3.38E-07	2.72E-03	8.59E-07	3.65E-07	4.34E-03	1.37E-06	5.81E-07
2162	494311.06, 3859751.99	2.95E-03	9.30E-07	3.95E-07	3.18E-03	1.00E-06	4.26E-07	5.07E-03	1.60E-06	6.78E-07
2163	494361.06, 3859751.99	2.93E-03	9.25E-07	3.92E-07	3.16E-03	9.99E-07	4.24E-07	5.04E-03	1.59E-06	6.74E-07
2164	494411.06, 3859751.99	2.91E-03	9.18E-07	3.89E-07	3.14E-03	9.91E-07	4.21E-07	5.00E-03	1.58E-06	6.69E-07
2165	494461.06, 3859751.99	2.91E-03	9.18E-07	3.90E-07	3.14E-03	9.92E-07	4.21E-07	5.00E-03	1.58E-06	6.70E-07
2166	494511.06, 3859751.99	2.90E-03	9.17E-07	3.89E-07	3.14E-03	9.90E-07	4.20E-07	4.99E-03	1.58E-06	6.68E-07
2167	494561.06, 3859751.99	2.89E-03	9.11E-07	3.87E-07	3.12E-03	9.84E-07	4.18E-07	4.96E-03	1.57E-06	6.65E-07
2168	494611.06, 3859751.99	2.87E-03	9.04E-07	3.84E-07	3.09E-03	9.77E-07	4.14E-07	4.93E-03	1.55E-06	6.60E-07
2169	494661.06, 3859751.99	2.83E-03	8.93E-07	3.79E-07	3.06E-03	9.65E-07	4.09E-07	4.87E-03	1.54E-06	6.52E-07
2170	494711.06, 3859751.99	2.83E-03	8.92E-07	3.78E-07	3.05E-03	9.63E-07	4.09E-07	4.86E-03	1.53E-06	6.51E-07
2171	494761.06, 3859751.99	2.81E-03	8.88E-07	3.77E-07	3.04E-03	9.59E-07	4.07E-07	4.84E-03	1.53E-06	6.48E-07
2172	494811.06, 3859751.99	2.79E-03	8.82E-07	3.74E-07	3.02E-03	9.52E-07	4.04E-07	4.80E-03	1.52E-06	6.43E-07
2173	494861.06, 3859751.99	2.78E-03	8.77E-07	3.72E-07	3.00E-03	9.47E-07	4.02E-07	4.78E-03	1.51E-06	6.40E-07
2174	494911.06, 3859751.99	2.76E-03	8.72E-07	3.70E-07	2.99E-03	9.42E-07	4.00E-07	4.75E-03	1.50E-06	6.37E-07
2175	494961.06, 3859751.99	2.75E-03	8.68E-07	3.68E-07	2.97E-03	9.37E-07	3.98E-07	4.73E-03	1.49E-06	6.33E-07
2176	495011.06, 3859751.99	2.73E-03	8.63E-07	3.66E-07	2.95E-03	9.32E-07	3.95E-07	4.70E-03	1.48E-06	6.30E-07
2177	495061.06, 3859751.99	2.72E-03	8.59E-07	3.65E-07	2.94E-03	9.28E-07	3.94E-07	4.68E-03	1.48E-06	6.27E-07
2178	495111.06, 3859751.99	2.71E-03	8.54E-07	3.62E-07	2.92E-03	9.22E-07	3.91E-07	4.66E-03	1.47E-06	6.23E-07
2179	495161.06, 3859751.99	2.69E-03	8.48E-07	3.60E-07	2.90E-03	9.16E-07	3.89E-07	4.62E-03	1.46E-06	6.19E-07
2180	495211.06, 3859751.99	2.67E-03	8.42E-07	3.57E-07	2.88E-03	9.10E-07	3.86E-07	4.59E-03	1.45E-06	6.15E-07
2181	495261.06, 3859751.99	2.66E-03	8.39E-07	3.56E-07	2.87E-03	9.06E-07	3.84E-07	4.57E-03	1.44E-06	6.12E-07
2182	495311.06, 3859751.99	2.64E-03	8.33E-07	3.54E-07	2.85E-03	9.00E-07	3.82E-07	4.54E-03	1.43E-06	6.08E-07
2183	495361.06, 3859751.99	2.62E-03	8.28E-07	3.51E-07	2.83E-03	8.95E-07	3.80E-07	4.52E-03	1.43E-06	6.05E-07
2184	495411.06, 3859751.99	2.61E-03	8.24E-07	3.49E-07	2.82E-03	8.89E-07	3.77E-07	4.49E-03	1.42E-06	6.01E-07
2185	495461.06, 3859751.99	2.59E-03	8.16E-07	3.46E-07	2.79E-03	8.82E-07	3.74E-07	4.45E-03	1.40E-06	5.96E-07
2186	495511.06, 3859751.99	2.56E-03	8.09E-07	3.43E-07	2.77E-03	8.74E-07	3.71E-07	4.41E-03	1.39E-06	5.91E-07
2187	495561.06, 3859751.99	2.55E-03	8.04E-07	3.41E-07	2.75E-03	8.68E-07	3.68E-07	4.38E-03	1.38E-06	5.87E-07
2188	495611.06, 3859751.99	2.53E-03	7.99E-07	3.39E-07	2.73E-03	8.63E-07	3.66E-07	4.36E-03	1.38E-06	5.84E-07
2189	495661.06, 3859751.99	2.52E-03	7.96E-07	3.38E-07	2.72E-03	8.59E-07	3.65E-07	4.34E-03	1.37E-06	5.81E-07
2190	494311.06, 3859801.99	2.92E-03	9.22E-07	3.91E-07	3.15E-03	9.96E-07	4.22E-07	5.02E-03	1.58E-06	6.72E-07
2191	494361.06, 3859801.99	2.90E-03	9.15E-07	3.88E-07	3.13E-03	9.88E-07	4.19E-07	4.98E-03	1.57E-06	6.67E-07
2192	494411.06, 3859801.99	2.87E-03	9.07E-07	3.85E-07	3.10E-03	9.79E-07	4.15E-07	4.94E-03	1.56E-06	6.61E-07

2193	494461.06, 3859801.99	2.87E-03	9.07E-07	3.85E-07	3.10E-03	9.79E-07	4.15E-07	4.94E-03	1.56E-06	6.61E-07
2194	494511.06, 3859801.99	2.87E-03	9.07E-07	3.85E-07	3.10E-03	9.79E-07	4.15E-07	4.94E-03	1.56E-06	6.61E-07
2195	494561.06, 3859801.99	2.86E-03	9.02E-07	3.83E-07	3.09E-03	9.74E-07	4.13E-07	4.91E-03	1.55E-06	6.58E-07
2196	494611.06, 3859801.99	2.83E-03	8.93E-07	3.79E-07	3.05E-03	9.64E-07	4.09E-07	4.86E-03	1.53E-06	6.51E-07
2197	494661.06, 3859801.99	2.81E-03	8.87E-07	3.76E-07	3.04E-03	9.58E-07	4.06E-07	4.83E-03	1.52E-06	6.47E-07
2198	494711.06, 3859801.99	2.79E-03	8.80E-07	3.74E-07	3.01E-03	9.51E-07	4.03E-07	4.79E-03	1.51E-06	6.42E-07
2199	494761.06, 3859801.99	2.79E-03	8.81E-07	3.74E-07	3.01E-03	9.51E-07	4.03E-07	4.80E-03	1.51E-06	6.42E-07
2200	494811.06, 3859801.99	2.77E-03	8.75E-07	3.71E-07	2.99E-03	9.45E-07	4.01E-07	4.77E-03	1.50E-06	6.38E-07
2201	494861.06, 3859801.99	2.76E-03	8.72E-07	3.70E-07	2.98E-03	9.41E-07	3.99E-07	4.75E-03	1.50E-06	6.36E-07
2202	494911.06, 3859801.99	2.74E-03	8.65E-07	3.67E-07	2.96E-03	9.35E-07	3.97E-07	4.71E-03	1.49E-06	6.31E-07
2203	494961.06, 3859801.99	2.73E-03	8.61E-07	3.65E-07	2.95E-03	9.30E-07	3.95E-07	4.69E-03	1.48E-06	6.28E-07
2204	495011.06, 3859801.99	2.71E-03	8.56E-07	3.63E-07	2.93E-03	9.25E-07	3.92E-07	4.67E-03	1.47E-06	6.25E-07
2205	495061.06, 3859801.99	2.70E-03	8.53E-07	3.62E-07	2.92E-03	9.21E-07	3.91E-07	4.65E-03	1.47E-06	6.22E-07
2206	495111.06, 3859801.99	2.68E-03	8.47E-07	3.59E-07	2.90E-03	9.15E-07	3.88E-07	4.62E-03	1.46E-06	6.18E-07
2207	495161.06, 3859801.99	2.67E-03	8.42E-07	3.57E-07	2.88E-03	9.09E-07	3.86E-07	4.59E-03	1.45E-06	6.14E-07
2208	495211.06, 3859801.99	2.66E-03	8.38E-07	3.56E-07	2.87E-03	9.05E-07	3.84E-07	4.57E-03	1.44E-06	6.12E-07
2209	495261.06, 3859801.99	2.64E-03	8.32E-07	3.53E-07	2.85E-03	8.99E-07	3.81E-07	4.54E-03	1.43E-06	6.08E-07
2210	495311.06, 3859801.99	2.63E-03	8.29E-07	3.52E-07	2.84E-03	8.95E-07	3.80E-07	4.52E-03	1.43E-06	6.05E-07
2211	495361.06, 3859801.99	2.61E-03	8.24E-07	3.50E-07	2.82E-03	8.90E-07	3.78E-07	4.49E-03	1.42E-06	6.01E-07
2212	495411.06, 3859801.99	2.59E-03	8.18E-07	3.47E-07	2.80E-03	8.83E-07	3.75E-07	4.46E-03	1.41E-06	5.97E-07
2213	495461.06, 3859801.99	2.58E-03	8.13E-07	3.45E-07	2.78E-03	8.78E-07	3.73E-07	4.43E-03	1.40E-06	5.93E-07
2214	495511.06, 3859801.99	2.55E-03	8.06E-07	3.42E-07	2.76E-03	8.70E-07	3.69E-07	4.39E-03	1.39E-06	5.88E-07
2215	495561.06, 3859801.99	2.54E-03	8.02E-07	3.40E-07	2.74E-03	8.66E-07	3.67E-07	4.37E-03	1.38E-06	5.85E-07
2216	495611.06, 3859801.99	2.53E-03	8.00E-07	3.39E-07	2.74E-03	8.64E-07	3.67E-07	4.36E-03	1.38E-06	5.84E-07
2217	495661.06, 3859801.99	2.51E-03	7.93E-07	3.37E-07	2.71E-03	8.57E-07	3.63E-07	4.33E-03	1.37E-06	5.79E-07
2218	494311.06, 3859851.99	2.88E-03	9.10E-07	3.86E-07	3.11E-03	9.83E-07	4.17E-07	4.95E-03	1.56E-06	6.63E-07
2219	494361.06, 3859851.99	2.87E-03	9.05E-07	3.84E-07	3.10E-03	9.77E-07	4.14E-07	4.92E-03	1.55E-06	6.59E-07
2220	494411.06, 3859851.99	2.85E-03	8.98E-07	3.81E-07	3.07E-03	9.70E-07	4.12E-07	4.89E-03	1.54E-06	6.55E-07
2221	494461.06, 3859851.99	2.83E-03	8.93E-07	3.79E-07	3.06E-03	9.65E-07	4.09E-07	4.86E-03	1.54E-06	6.51E-07
2222	494511.06, 3859851.99	2.83E-03	8.92E-07	3.78E-07	3.05E-03	9.63E-07	4.09E-07	4.85E-03	1.53E-06	6.50E-07
2223	494561.06, 3859851.99	2.82E-03	8.91E-07	3.78E-07	3.05E-03	9.62E-07	4.08E-07	4.85E-03	1.53E-06	6.49E-07
2224	494611.06, 3859851.99	2.79E-03	8.82E-07	3.74E-07	3.02E-03	9.52E-07	4.04E-07	4.80E-03	1.52E-06	6.43E-07
2225	494661.06, 3859851.99	2.79E-03	8.79E-07	3.73E-07	3.01E-03	9.50E-07	4.03E-07	4.79E-03	1.51E-06	6.41E-07
2226	494711.06, 3859851.99	2.76E-03	8.72E-07	3.70E-07	2.98E-03	9.42E-07	4.00E-07	4.75E-03	1.50E-06	6.36E-07
2227	494761.06, 3859851.99	2.76E-03	8.72E-07	3.70E-07	2.98E-03	9.41E-07	3.99E-07	4.75E-03	1.50E-06	6.35E-07
2228	494811.06, 3859851.99	2.75E-03	8.67E-07	3.68E-07	2.97E-03	9.36E-07	3.97E-07	4.72E-03	1.49E-06	6.32E-07
2229	494861.06, 3859851.99	2.74E-03	8.64E-07	3.67E-07	2.96E-03	9.33E-07	3.96E-07	4.70E-03	1.48E-06	6.30E-07
2230	494911.06, 3859851.99	2.72E-03	8.59E-07	3.64E-07	2.94E-03	9.27E-07	3.93E-07	4.68E-03	1.48E-06	6.26E-07
2231	494961.06, 3859851.99	2.71E-03	8.54E-07	3.62E-07	2.92E-03	9.23E-07	3.91E-07	4.65E-03	1.47E-06	6.23E-07
2232	495011.06, 3859851.99	2.69E-03	8.50E-07	3.61E-07	2.91E-03	9.18E-07	3.89E-07	4.63E-03	1.46E-06	6.20E-07
2233	495061.06, 3859851.99	2.68E-03	8.47E-07	3.59E-07	2.90E-03	9.14E-07	3.88E-07	4.61E-03	1.46E-06	6.17E-07
2234	495111.06, 3859851.99	2.66E-03	8.41E-07	3.57E-07	2.88E-03	9.08E-07	3.85E-07	4.58E-03	1.45E-06	6.13E-07
2235	495161.06, 3859851.99	2.65E-03	8.36E-07	3.55E-07	2.86E-03	9.03E-07	3.83E-07	4.56E-03	1.44E-06	6.10E-07
2236	495211.06, 3859851.99	2.64E-03	8.32E-07	3.53E-07	2.85E-03	8.98E-07	3.81E-07	4.53E-03	1.43E-06	6.07E-07
2237	495261.06, 3859851.99	2.62E-03	8.27E-07	3.51E-07	2.83E-03	8.93E-07	3.79E-07	4.51E-03	1.42E-06	6.03E-07
2238	495311.06, 3859851.99	2.61E-03	8.23E-07	3.49E-07	2.82E-03	8.89E-07	3.77E-07	4.49E-03	1.42E-06	6.01E-07
2239	495361.06, 3859851.99	2.60E-03	8.19E-07	3.48E-07	2.80E-03	8.85E-07	3.75E-07	4.46E-03	1.41E-06	5.98E-07
2240	495411.06, 3859851.99	2.58E-03	8.14E-07	3.45E-07	2.78E-03	8.79E-07	3.73E-07	4.43E-03	1.40E-06	5.94E-07
2241	495461.06, 3859851.99	2.56E-03	8.08E-07	3.43E-07	2.77E-03	8.73E-07	3.70E-07	4.41E-03	1.39E-06	5.90E-07
2242	495511.06, 3859851.99	2.54E-03	8.02E-07	3.40E-07	2.75E-03	8.67E-07	3.68E-07	4.37E-03	1.38E-06	5.86E-07
2243	495561.06, 3859851.99	2.53E-03	7.99E-07	3.39E-07	2.73E-03	8.63E-07	3.66E-07	4.36E-03	1.37E-06	5.83E-07
2244	495611.06, 3859851.99	2.52E-03	7.96E-07	3.38E-07	2.72E-03	8.59E-07	3.65E-07	4.34E-03	1.37E-06	5.81E-07
2245	495661.06, 3859851.99	2.50E-03	7.90E-07	3.35E-07	2.70E-03	8.53E-07	3.62E-07	4.31E-03	1.36E-06	5.77E-07
2246	494311.06, 3859901.99	2.84E-03	8.98E-07	3.81E-07	3.07E-03	9.69E-07	4.11E-07	4.89E-03	1.54E-06	6.54E-07
2247	494361.06, 3859901.99	2.82E-03	8.90E-07	3.78E-07	3.05E-03	9.61E-07	4.08E-07	4.84E-03	1.53E-06	6.49E-07
2248	494411.06, 3859901.99	2.81E-03	8.88E-07	3.77E-07	3.04E-03	9.58E-07	4.07E-07	4.83E-03	1.52E-06	6.47E-07
2249	494461.06, 3859901.99	2.80E-03	8.83E-07	3.75E-07	3.02E-03	9.54E-07	4.05E-07	4.81E-03	1.52E-06	6.44E-07
2250	494511.06, 3859901.99	2.79E-03	8.80E-07	3.73E-07	3.01E-03	9.50E-07	4.03E-07	4.79E-03	1.51E-06	6.42E-07
2251	494561.06, 3859901.99	2.79E-03	8.80E-07	3.73E-07	3.01E-03	9.50E-07	4.03E-07	4.79E-03	1.51E-06	6.41E-07
2252	494611.06, 3859901.99	2.76E-03	8.71E-07	3.70E-07	2.98E-03	9.41E-07	3.99E-07	4.74E-03	1.50E-06	6.35E-07
2253	494661.06, 3859901.99	2.76E-03	8.71E-07	3.69E-07	2.98E-03	9.40E-07	3.99E-07	4.74E-03	1.50E-06	6.35E-07

2254	494711.06, 3859901.99	2.73E-03	8.62E-07	3.66E-07	2.95E-03	9.31E-07	3.95E-07	4.69E-03	1.48E-06	6.28E-07
2255	494761.06, 3859901.99	2.73E-03	8.60E-07	3.65E-07	2.94E-03	9.29E-07	3.94E-07	4.68E-03	1.48E-06	6.27E-07
2256	494811.06, 3859901.99	2.72E-03	8.58E-07	3.64E-07	2.94E-03	9.27E-07	3.93E-07	4.67E-03	1.47E-06	6.26E-07
2257	494861.06, 3859901.99	2.71E-03	8.55E-07	3.63E-07	2.93E-03	9.24E-07	3.92E-07	4.66E-03	1.47E-06	6.24E-07
2258	494911.06, 3859901.99	2.69E-03	8.50E-07	3.61E-07	2.91E-03	9.18E-07	3.89E-07	4.63E-03	1.46E-06	6.20E-07
2259	494961.06, 3859901.99	2.68E-03	8.47E-07	3.59E-07	2.90E-03	9.14E-07	3.88E-07	4.61E-03	1.46E-06	6.17E-07
2260	495011.06, 3859901.99	2.67E-03	8.42E-07	3.57E-07	2.88E-03	9.09E-07	3.86E-07	4.58E-03	1.45E-06	6.14E-07
2261	495061.06, 3859901.99	2.65E-03	8.38E-07	3.55E-07	2.87E-03	9.05E-07	3.84E-07	4.56E-03	1.44E-06	6.11E-07
2262	495111.06, 3859901.99	2.64E-03	8.32E-07	3.53E-07	2.85E-03	8.99E-07	3.81E-07	4.53E-03	1.43E-06	6.07E-07
2263	495161.06, 3859901.99	2.62E-03	8.28E-07	3.51E-07	2.83E-03	8.94E-07	3.79E-07	4.51E-03	1.42E-06	6.04E-07
2264	495211.06, 3859901.99	2.61E-03	8.25E-07	3.50E-07	2.82E-03	8.90E-07	3.78E-07	4.49E-03	1.42E-06	6.01E-07
2265	495261.06, 3859901.99	2.59E-03	8.19E-07	3.47E-07	2.80E-03	8.84E-07	3.75E-07	4.46E-03	1.41E-06	5.97E-07
2266	495311.06, 3859901.99	2.58E-03	8.16E-07	3.46E-07	2.79E-03	8.81E-07	3.74E-07	4.44E-03	1.40E-06	5.95E-07
2267	495361.06, 3859901.99	2.57E-03	8.11E-07	3.44E-07	2.78E-03	8.76E-07	3.72E-07	4.42E-03	1.39E-06	5.92E-07
2268	495411.06, 3859901.99	2.55E-03	8.06E-07	3.42E-07	2.76E-03	8.70E-07	3.69E-07	4.39E-03	1.39E-06	5.88E-07
2269	495461.06, 3859901.99	2.54E-03	8.01E-07	3.40E-07	2.74E-03	8.65E-07	3.67E-07	4.37E-03	1.38E-06	5.85E-07
2270	495511.06, 3859901.99	2.53E-03	7.98E-07	3.39E-07	2.73E-03	8.62E-07	3.66E-07	4.35E-03	1.37E-06	5.82E-07
2271	495561.06, 3859901.99	2.52E-03	7.95E-07	3.37E-07	2.72E-03	8.58E-07	3.64E-07	4.33E-03	1.37E-06	5.80E-07
2272	495611.06, 3859901.99	2.50E-03	7.90E-07	3.35E-07	2.70E-03	8.53E-07	3.62E-07	4.30E-03	1.36E-06	5.76E-07
2273	495661.06, 3859901.99	2.48E-03	7.84E-07	3.33E-07	2.68E-03	8.47E-07	3.59E-07	4.27E-03	1.35E-06	5.72E-07
2274	494311.06, 3859951.99	2.81E-03	8.86E-07	3.76E-07	3.03E-03	9.57E-07	4.06E-07	4.82E-03	1.52E-06	6.46E-07
2275	494361.06, 3859951.99	2.79E-03	8.81E-07	3.74E-07	3.01E-03	9.51E-07	4.04E-07	4.79E-03	1.51E-06	6.42E-07
2276	494411.06, 3859951.99	2.78E-03	8.76E-07	3.72E-07	3.00E-03	9.46E-07	4.01E-07	4.77E-03	1.50E-06	6.38E-07
2277	494461.06, 3859951.99	2.76E-03	8.72E-07	3.70E-07	2.98E-03	9.41E-07	3.99E-07	4.74E-03	1.50E-06	6.35E-07
2278	494511.06, 3859951.99	2.75E-03	8.69E-07	3.69E-07	2.97E-03	9.38E-07	3.98E-07	4.73E-03	1.49E-06	6.33E-07
2279	494561.06, 3859951.99	2.75E-03	8.69E-07	3.69E-07	2.97E-03	9.39E-07	3.98E-07	4.73E-03	1.49E-06	6.33E-07
2280	494611.06, 3859951.99	2.73E-03	8.62E-07	3.66E-07	2.95E-03	9.31E-07	3.95E-07	4.69E-03	1.48E-06	6.28E-07
2281	494661.06, 3859951.99	2.73E-03	8.61E-07	3.65E-07	2.94E-03	9.29E-07	3.94E-07	4.68E-03	1.48E-06	6.27E-07
2282	494711.06, 3859951.99	2.71E-03	8.54E-07	3.62E-07	2.92E-03	9.22E-07	3.91E-07	4.65E-03	1.47E-06	6.22E-07
2283	494761.06, 3859951.99	2.70E-03	8.51E-07	3.61E-07	2.91E-03	9.19E-07	3.90E-07	4.63E-03	1.46E-06	6.20E-07
2284	494811.06, 3859951.99	2.69E-03	8.48E-07	3.60E-07	2.90E-03	9.15E-07	3.88E-07	4.61E-03	1.46E-06	6.18E-07
2285	494861.06, 3859951.99	2.68E-03	8.46E-07	3.59E-07	2.89E-03	9.13E-07	3.87E-07	4.60E-03	1.45E-06	6.16E-07
2286	494911.06, 3859951.99	2.66E-03	8.41E-07	3.57E-07	2.88E-03	9.08E-07	3.85E-07	4.58E-03	1.44E-06	6.13E-07
2287	494961.06, 3859951.99	2.65E-03	8.36E-07	3.55E-07	2.86E-03	9.03E-07	3.83E-07	4.55E-03	1.44E-06	6.10E-07
2288	495011.06, 3859951.99	2.64E-03	8.32E-07	3.53E-07	2.85E-03	8.98E-07	3.81E-07	4.53E-03	1.43E-06	6.06E-07
2289	495061.06, 3859951.99	2.62E-03	8.28E-07	3.52E-07	2.83E-03	8.95E-07	3.80E-07	4.51E-03	1.42E-06	6.04E-07
2290	495111.06, 3859951.99	2.61E-03	8.23E-07	3.49E-07	2.82E-03	8.89E-07	3.77E-07	4.48E-03	1.41E-06	6.00E-07
2291	495161.06, 3859951.99	2.59E-03	8.19E-07	3.47E-07	2.80E-03	8.84E-07	3.75E-07	4.46E-03	1.41E-06	5.97E-07
2292	495211.06, 3859951.99	2.58E-03	8.14E-07	3.45E-07	2.78E-03	8.79E-07	3.73E-07	4.43E-03	1.40E-06	5.93E-07
2293	495261.06, 3859951.99	2.57E-03	8.10E-07	3.44E-07	2.77E-03	8.75E-07	3.71E-07	4.41E-03	1.39E-06	5.91E-07
2294	495311.06, 3859951.99	2.56E-03	8.08E-07	3.43E-07	2.76E-03	8.72E-07	3.70E-07	4.40E-03	1.39E-06	5.89E-07
2295	495361.06, 3859951.99	2.55E-03	8.04E-07	3.41E-07	2.75E-03	8.68E-07	3.68E-07	4.38E-03	1.38E-06	5.86E-07
2296	495411.06, 3859951.99	2.53E-03	7.99E-07	3.39E-07	2.73E-03	8.63E-07	3.66E-07	4.35E-03	1.37E-06	5.83E-07
2297	495461.06, 3859951.99	2.52E-03	7.95E-07	3.37E-07	2.72E-03	8.58E-07	3.64E-07	4.33E-03	1.37E-06	5.80E-07
2298	495511.06, 3859951.99	2.50E-03	7.90E-07	3.35E-07	2.70E-03	8.54E-07	3.62E-07	4.31E-03	1.36E-06	5.77E-07
2299	495561.06, 3859951.99	2.50E-03	7.88E-07	3.35E-07	2.70E-03	8.51E-07	3.61E-07	4.29E-03	1.36E-06	5.75E-07
2300	495611.06, 3859951.99	2.48E-03	7.84E-07	3.32E-07	2.68E-03	8.46E-07	3.59E-07	4.27E-03	1.35E-06	5.72E-07
2301	495661.06, 3859951.99	2.47E-03	7.78E-07	3.30E-07	2.66E-03	8.40E-07	3.57E-07	4.24E-03	1.34E-06	5.68E-07
2302	494311.06, 3860001.99	2.77E-03	8.74E-07	3.71E-07	2.99E-03	9.43E-07	4.00E-07	4.75E-03	1.50E-06	6.37E-07
2303	494361.06, 3860001.99	2.76E-03	8.70E-07	3.69E-07	2.97E-03	9.39E-07	3.98E-07	4.73E-03	1.49E-06	6.34E-07
2304	494411.06, 3860001.99	2.74E-03	8.64E-07	3.67E-07	2.96E-03	9.33E-07	3.96E-07	4.70E-03	1.48E-06	6.30E-07
2305	494461.06, 3860001.99	2.73E-03	8.61E-07	3.65E-07	2.94E-03	9.29E-07	3.94E-07	4.68E-03	1.48E-06	6.27E-07
2306	494511.06, 3860001.99	2.71E-03	8.56E-07	3.63E-07	2.93E-03	9.25E-07	3.92E-07	4.66E-03	1.47E-06	6.24E-07
2307	494561.06, 3860001.99	2.72E-03	8.58E-07	3.64E-07	2.93E-03	9.26E-07	3.93E-07	4.67E-03	1.47E-06	6.25E-07
2308	494611.06, 3860001.99	2.70E-03	8.53E-07	3.62E-07	2.92E-03	9.21E-07	3.91E-07	4.64E-03	1.46E-06	6.21E-07
2309	494661.06, 3860001.99	2.69E-03	8.50E-07	3.60E-07	2.91E-03	9.17E-07	3.89E-07	4.62E-03	1.46E-06	6.19E-07
2310	494711.06, 3860001.99	2.67E-03	8.41E-07	3.57E-07	2.88E-03	9.08E-07	3.85E-07	4.58E-03	1.45E-06	6.13E-07
2311	494761.06, 3860001.99	2.66E-03	8.41E-07	3.57E-07	2.88E-03	9.08E-07	3.85E-07	4.58E-03	1.44E-06	6.13E-07
2312	494811.06, 3860001.99	2.66E-03	8.38E-07	3.56E-07	2.87E-03	9.05E-07	3.84E-07	4.56E-03	1.44E-06	6.11E-07
2313	494861.06, 3860001.99	2.65E-03	8.36E-07	3.55E-07	2.86E-03	9.02E-07	3.83E-07	4.55E-03	1.44E-06	6.09E-07
2314	494911.06, 3860001.99	2.62E-03	8.28E-07	3.51E-07	2.83E-03	8.94E-07	3.79E-07	4.51E-03	1.42E-06	6.03E-07

2315	494961.06, 3860001.99	2.62E-03	8.25E-07	3.50E-07	2.82E-03	8.91E-07	3.78E-07	4.49E-03	1.42E-06	6.02E-07
2316	495011.06, 3860001.99	2.60E-03	8.21E-07	3.48E-07	2.81E-03	8.86E-07	3.76E-07	4.47E-03	1.41E-06	5.98E-07
2317	495061.06, 3860001.99	2.59E-03	8.19E-07	3.47E-07	2.80E-03	8.84E-07	3.75E-07	4.46E-03	1.41E-06	5.97E-07
2318	495111.06, 3860001.99	2.58E-03	8.14E-07	3.45E-07	2.79E-03	8.79E-07	3.73E-07	4.43E-03	1.40E-06	5.93E-07
2319	495161.06, 3860001.99	2.56E-03	8.10E-07	3.43E-07	2.77E-03	8.74E-07	3.71E-07	4.41E-03	1.39E-06	5.90E-07
2320	495211.06, 3860001.99	2.56E-03	8.07E-07	3.42E-07	2.76E-03	8.71E-07	3.70E-07	4.39E-03	1.39E-06	5.88E-07
2321	495261.06, 3860001.99	2.54E-03	8.03E-07	3.41E-07	2.75E-03	8.67E-07	3.68E-07	4.37E-03	1.38E-06	5.85E-07
2322	495311.06, 3860001.99	2.53E-03	8.00E-07	3.39E-07	2.74E-03	8.63E-07	3.66E-07	4.35E-03	1.37E-06	5.83E-07
2323	495361.06, 3860001.99	2.51E-03	7.94E-07	3.37E-07	2.71E-03	8.57E-07	3.64E-07	4.32E-03	1.36E-06	5.79E-07
2324	495411.06, 3860001.99	2.51E-03	7.92E-07	3.36E-07	2.71E-03	8.55E-07	3.63E-07	4.31E-03	1.36E-06	5.77E-07
2325	495461.06, 3860001.99	2.50E-03	7.88E-07	3.34E-07	2.70E-03	8.51E-07	3.61E-07	4.29E-03	1.35E-06	5.74E-07
2326	495511.06, 3860001.99	2.48E-03	7.84E-07	3.33E-07	2.68E-03	8.47E-07	3.59E-07	4.27E-03	1.35E-06	5.72E-07
2327	495561.06, 3860001.99	2.48E-03	7.82E-07	3.32E-07	2.67E-03	8.44E-07	3.58E-07	4.26E-03	1.34E-06	5.70E-07
2328	495611.06, 3860001.99	2.46E-03	7.77E-07	3.30E-07	2.66E-03	8.39E-07	3.56E-07	4.23E-03	1.34E-06	5.67E-07
2329	495661.06, 3860001.99	2.45E-03	7.72E-07	3.28E-07	2.64E-03	8.34E-07	3.54E-07	4.21E-03	1.33E-06	5.63E-07
2330	494411.06, 3860051.99	2.70E-03	8.53E-07	3.62E-07	2.92E-03	9.21E-07	3.91E-07	4.64E-03	1.46E-06	6.21E-07
2331	494461.06, 3860051.99	2.69E-03	8.49E-07	3.60E-07	2.90E-03	9.17E-07	3.89E-07	4.62E-03	1.46E-06	6.19E-07
2332	494511.06, 3860051.99	2.68E-03	8.45E-07	3.59E-07	2.89E-03	9.13E-07	3.87E-07	4.60E-03	1.45E-06	6.16E-07
2333	494561.06, 3860051.99	2.67E-03	8.44E-07	3.58E-07	2.89E-03	9.11E-07	3.87E-07	4.59E-03	1.45E-06	6.15E-07
2334	494611.06, 3860051.99	2.67E-03	8.41E-07	3.57E-07	2.88E-03	9.08E-07	3.85E-07	4.58E-03	1.44E-06	6.13E-07
2335	494661.06, 3860051.99	2.66E-03	8.38E-07	3.56E-07	2.87E-03	9.05E-07	3.84E-07	4.56E-03	1.44E-06	6.11E-07
2336	494711.06, 3860051.99	2.64E-03	8.33E-07	3.53E-07	2.85E-03	8.99E-07	3.82E-07	4.53E-03	1.43E-06	6.07E-07
2337	494761.06, 3860051.99	2.63E-03	8.30E-07	3.52E-07	2.84E-03	8.96E-07	3.80E-07	4.52E-03	1.43E-06	6.05E-07
2338	494811.06, 3860051.99	2.62E-03	8.28E-07	3.51E-07	2.83E-03	8.94E-07	3.79E-07	4.51E-03	1.42E-06	6.03E-07
2339	494861.06, 3860051.99	2.62E-03	8.26E-07	3.50E-07	2.82E-03	8.92E-07	3.78E-07	4.49E-03	1.42E-06	6.02E-07
2340	494911.06, 3860051.99	2.60E-03	8.21E-07	3.48E-07	2.81E-03	8.87E-07	3.76E-07	4.47E-03	1.41E-06	5.98E-07
2341	494961.06, 3860051.99	2.59E-03	8.16E-07	3.46E-07	2.79E-03	8.82E-07	3.74E-07	4.44E-03	1.40E-06	5.95E-07
2342	495011.06, 3860051.99	2.57E-03	8.12E-07	3.45E-07	2.78E-03	8.77E-07	3.72E-07	4.42E-03	1.39E-06	5.92E-07
2343	495061.06, 3860051.99	2.56E-03	8.08E-07	3.43E-07	2.77E-03	8.73E-07	3.70E-07	4.40E-03	1.39E-06	5.89E-07
2344	495111.06, 3860051.99	2.55E-03	8.04E-07	3.41E-07	2.75E-03	8.68E-07	3.68E-07	4.37E-03	1.38E-06	5.86E-07
2345	495161.06, 3860051.99	2.53E-03	8.00E-07	3.39E-07	2.74E-03	8.64E-07	3.66E-07	4.35E-03	1.37E-06	5.83E-07
2346	495211.06, 3860051.99	2.52E-03	7.96E-07	3.38E-07	2.72E-03	8.59E-07	3.65E-07	4.33E-03	1.37E-06	5.80E-07
2347	495261.06, 3860051.99	2.51E-03	7.93E-07	3.36E-07	2.71E-03	8.56E-07	3.63E-07	4.32E-03	1.36E-06	5.78E-07
2348	495311.06, 3860051.99	2.50E-03	7.90E-07	3.35E-07	2.70E-03	8.53E-07	3.62E-07	4.30E-03	1.36E-06	5.76E-07
2349	495361.06, 3860051.99	2.49E-03	7.87E-07	3.34E-07	2.69E-03	8.50E-07	3.61E-07	4.28E-03	1.35E-06	5.74E-07
2350	495411.06, 3860051.99	2.48E-03	7.84E-07	3.32E-07	2.68E-03	8.46E-07	3.59E-07	4.27E-03	1.35E-06	5.71E-07
2351	495461.06, 3860051.99	2.47E-03	7.80E-07	3.31E-07	2.67E-03	8.42E-07	3.57E-07	4.25E-03	1.34E-06	5.68E-07
2352	495511.06, 3860051.99	2.46E-03	7.77E-07	3.30E-07	2.66E-03	8.39E-07	3.56E-07	4.23E-03	1.33E-06	5.66E-07
2353	495561.06, 3860051.99	2.45E-03	7.73E-07	3.28E-07	2.65E-03	8.35E-07	3.54E-07	4.21E-03	1.33E-06	5.64E-07
2354	495611.06, 3860051.99	2.44E-03	7.69E-07	3.26E-07	2.63E-03	8.31E-07	3.53E-07	4.19E-03	1.32E-06	5.61E-07
2355	495661.06, 3860051.99	2.42E-03	7.65E-07	3.24E-07	2.62E-03	8.26E-07	3.50E-07	4.16E-03	1.31E-06	5.58E-07
2356	494411.06, 3860101.99	2.66E-03	8.39E-07	3.56E-07	2.87E-03	9.06E-07	3.84E-07	4.57E-03	1.44E-06	6.11E-07
2357	494461.06, 3860101.99	2.65E-03	8.38E-07	3.55E-07	2.87E-03	9.04E-07	3.84E-07	4.56E-03	1.44E-06	6.10E-07
2358	494511.06, 3860101.99	2.64E-03	8.33E-07	3.53E-07	2.85E-03	8.99E-07	3.82E-07	4.53E-03	1.43E-06	6.07E-07
2359	494561.06, 3860101.99	2.63E-03	8.30E-07	3.52E-07	2.84E-03	8.97E-07	3.80E-07	4.52E-03	1.43E-06	6.05E-07
2360	494611.06, 3860101.99	2.63E-03	8.29E-07	3.52E-07	2.84E-03	8.95E-07	3.80E-07	4.51E-03	1.42E-06	6.04E-07
2361	494661.06, 3860101.99	2.62E-03	8.26E-07	3.51E-07	2.83E-03	8.92E-07	3.78E-07	4.50E-03	1.42E-06	6.02E-07
2362	494711.06, 3860101.99	2.60E-03	8.22E-07	3.49E-07	2.81E-03	8.87E-07	3.76E-07	4.47E-03	1.41E-06	5.99E-07
2363	494761.06, 3860101.99	2.59E-03	8.19E-07	3.47E-07	2.80E-03	8.84E-07	3.75E-07	4.46E-03	1.41E-06	5.97E-07
2364	494811.06, 3860101.99	2.59E-03	8.16E-07	3.46E-07	2.79E-03	8.81E-07	3.74E-07	4.44E-03	1.40E-06	5.95E-07
2365	494861.06, 3860101.99	2.58E-03	8.16E-07	3.46E-07	2.79E-03	8.81E-07	3.74E-07	4.44E-03	1.40E-06	5.94E-07
2366	494911.06, 3860101.99	2.56E-03	8.08E-07	3.43E-07	2.77E-03	8.73E-07	3.70E-07	4.40E-03	1.39E-06	5.89E-07
2367	494961.06, 3860101.99	2.55E-03	8.05E-07	3.42E-07	2.75E-03	8.70E-07	3.69E-07	4.38E-03	1.38E-06	5.87E-07
2368	495011.06, 3860101.99	2.54E-03	8.01E-07	3.40E-07	2.74E-03	8.65E-07	3.67E-07	4.36E-03	1.38E-06	5.84E-07
2369	495061.06, 3860101.99	2.53E-03	7.97E-07	3.38E-07	2.73E-03	8.61E-07	3.65E-07	4.34E-03	1.37E-06	5.81E-07
2370	495111.06, 3860101.99	2.51E-03	7.93E-07	3.36E-07	2.71E-03	8.56E-07	3.63E-07	4.31E-03	1.36E-06	5.78E-07
2371	495161.06, 3860101.99	2.50E-03	7.90E-07	3.35E-07	2.70E-03	8.53E-07	3.62E-07	4.30E-03	1.36E-06	5.76E-07
2372	495211.06, 3860101.99	2.49E-03	7.87E-07	3.34E-07	2.69E-03	8.49E-07	3.60E-07	4.28E-03	1.35E-06	5.73E-07
2373	495261.06, 3860101.99	2.48E-03	7.83E-07	3.32E-07	2.68E-03	8.46E-07	3.59E-07	4.26E-03	1.35E-06	5.71E-07
2374	495311.06, 3860101.99	2.47E-03	7.80E-07	3.31E-07	2.67E-03	8.42E-07	3.57E-07	4.25E-03	1.34E-06	5.69E-07
2375	495361.06, 3860101.99	2.46E-03	7.77E-07	3.30E-07	2.66E-03	8.39E-07	3.56E-07	4.23E-03	1.34E-06	5.67E-07

2376	495411.06, 3860101.99	2.45E-03	7.74E-07	3.28E-07	2.65E-03	8.36E-07	3.55E-07	4.21E-03	1.33E-06	5.64E-07
2377	495461.06, 3860101.99	2.44E-03	7.70E-07	3.27E-07	2.63E-03	8.31E-07	3.53E-07	4.19E-03	1.32E-06	5.61E-07
2378	495511.06, 3860101.99	2.43E-03	7.67E-07	3.26E-07	2.62E-03	8.28E-07	3.51E-07	4.18E-03	1.32E-06	5.59E-07
2379	495561.06, 3860101.99	2.42E-03	7.65E-07	3.24E-07	2.62E-03	8.26E-07	3.50E-07	4.16E-03	1.31E-06	5.58E-07
2380	495611.06, 3860101.99	2.41E-03	7.60E-07	3.23E-07	2.60E-03	8.21E-07	3.48E-07	4.14E-03	1.31E-06	5.54E-07
2381	495661.06, 3860101.99	2.40E-03	7.57E-07	3.21E-07	2.59E-03	8.17E-07	3.47E-07	4.12E-03	1.30E-06	5.52E-07
2382	494861.06, 3860151.99	2.56E-03	8.08E-07	3.43E-07	2.76E-03	8.72E-07	3.70E-07	4.40E-03	1.39E-06	5.90E-07
2383	494911.06, 3860151.99	2.53E-03	7.98E-07	3.39E-07	2.73E-03	8.61E-07	3.66E-07	4.34E-03	1.37E-06	5.82E-07
2384	494961.06, 3860151.99	2.52E-03	7.94E-07	3.37E-07	2.72E-03	8.58E-07	3.64E-07	4.32E-03	1.36E-06	5.79E-07
2385	495011.06, 3860151.99	2.50E-03	7.91E-07	3.35E-07	2.70E-03	8.54E-07	3.62E-07	4.30E-03	1.36E-06	5.76E-07
2386	495061.06, 3860151.99	2.49E-03	7.87E-07	3.34E-07	2.69E-03	8.49E-07	3.60E-07	4.28E-03	1.35E-06	5.73E-07
2387	495111.06, 3860151.99	2.48E-03	7.83E-07	3.32E-07	2.68E-03	8.46E-07	3.59E-07	4.26E-03	1.35E-06	5.71E-07
2388	495161.06, 3860151.99	2.47E-03	7.80E-07	3.31E-07	2.67E-03	8.42E-07	3.57E-07	4.25E-03	1.34E-06	5.69E-07
2389	495211.06, 3860151.99	2.46E-03	7.77E-07	3.30E-07	2.66E-03	8.39E-07	3.56E-07	4.23E-03	1.33E-06	5.66E-07
2390	495261.06, 3860151.99	2.45E-03	7.74E-07	3.28E-07	2.65E-03	8.35E-07	3.54E-07	4.21E-03	1.33E-06	5.64E-07
2391	495311.06, 3860151.99	2.44E-03	7.71E-07	3.27E-07	2.64E-03	8.32E-07	3.53E-07	4.19E-03	1.32E-06	5.62E-07
2392	495361.06, 3860151.99	2.43E-03	7.68E-07	3.26E-07	2.63E-03	8.29E-07	3.52E-07	4.18E-03	1.32E-06	5.60E-07
2393	495411.06, 3860151.99	2.42E-03	7.64E-07	3.24E-07	2.62E-03	8.25E-07	3.50E-07	4.16E-03	1.31E-06	5.57E-07
2394	495461.06, 3860151.99	2.41E-03	7.61E-07	3.23E-07	2.60E-03	8.22E-07	3.49E-07	4.14E-03	1.31E-06	5.55E-07
2395	495511.06, 3860151.99	2.40E-03	7.58E-07	3.22E-07	2.59E-03	8.18E-07	3.47E-07	4.13E-03	1.30E-06	5.52E-07
2396	495561.06, 3860151.99	2.39E-03	7.55E-07	3.20E-07	2.58E-03	8.15E-07	3.46E-07	4.11E-03	1.30E-06	5.50E-07
2397	495611.06, 3860151.99	2.38E-03	7.52E-07	3.19E-07	2.57E-03	8.12E-07	3.44E-07	4.09E-03	1.29E-06	5.48E-07
2398	495661.06, 3860151.99	2.37E-03	7.48E-07	3.17E-07	2.56E-03	8.08E-07	3.43E-07	4.07E-03	1.29E-06	5.45E-07
2399	495718.25, 3859442.96	2.45E-03	7.73E-07	3.28E-07	2.64E-03	8.34E-07	3.54E-07	4.22E-03	1.33E-06	5.65E-07
2400	495818.25, 3859442.96	2.40E-03	7.58E-07	3.22E-07	2.59E-03	8.19E-07	3.47E-07	4.14E-03	1.31E-06	5.54E-07
2401	495918.25, 3859442.96	2.37E-03	7.48E-07	3.17E-07	2.56E-03	8.08E-07	3.43E-07	4.08E-03	1.29E-06	5.47E-07
2402	496018.25, 3859442.96	2.34E-03	7.39E-07	3.14E-07	2.53E-03	7.99E-07	3.39E-07	4.04E-03	1.27E-06	5.40E-07
2403	496118.25, 3859442.96	2.36E-03	7.44E-07	3.16E-07	2.55E-03	8.04E-07	3.41E-07	4.06E-03	1.28E-06	5.44E-07
2404	496218.25, 3859442.96	2.37E-03	7.47E-07	3.17E-07	2.56E-03	8.07E-07	3.42E-07	4.08E-03	1.29E-06	5.46E-07
2405	496318.25, 3859442.96	2.34E-03	7.40E-07	3.14E-07	2.53E-03	7.99E-07	3.39E-07	4.04E-03	1.27E-06	5.41E-07
2406	496418.25, 3859442.96	2.32E-03	7.32E-07	3.11E-07	2.50E-03	7.91E-07	3.35E-07	4.00E-03	1.26E-06	5.35E-07
2407	495718.25, 3859542.96	2.48E-03	7.83E-07	3.32E-07	2.68E-03	8.46E-07	3.59E-07	4.27E-03	1.35E-06	5.72E-07
2408	495818.25, 3859542.96	2.45E-03	7.73E-07	3.28E-07	2.64E-03	8.35E-07	3.54E-07	4.22E-03	1.33E-06	5.65E-07
2409	495918.25, 3859542.96	2.41E-03	7.60E-07	3.23E-07	2.60E-03	8.21E-07	3.48E-07	4.15E-03	1.31E-06	5.56E-07
2410	496018.25, 3859542.96	2.37E-03	7.50E-07	3.18E-07	2.57E-03	8.10E-07	3.43E-07	4.09E-03	1.29E-06	5.48E-07
2411	496118.25, 3859542.96	2.39E-03	7.53E-07	3.20E-07	2.58E-03	8.14E-07	3.45E-07	4.11E-03	1.30E-06	5.51E-07
2412	496218.25, 3859542.96	2.39E-03	7.53E-07	3.20E-07	2.58E-03	8.14E-07	3.45E-07	4.11E-03	1.30E-06	5.51E-07
2413	496318.25, 3859542.96	2.38E-03	7.50E-07	3.18E-07	2.57E-03	8.11E-07	3.44E-07	4.10E-03	1.29E-06	5.49E-07
2414	496418.25, 3859542.96	2.34E-03	7.40E-07	3.14E-07	2.53E-03	7.99E-07	3.39E-07	4.04E-03	1.27E-06	5.41E-07
2415	495718.25, 3859642.96	2.49E-03	7.86E-07	3.33E-07	2.69E-03	8.49E-07	3.60E-07	4.29E-03	1.35E-06	5.74E-07
2416	495818.25, 3859642.96	2.45E-03	7.74E-07	3.29E-07	2.65E-03	8.36E-07	3.55E-07	4.23E-03	1.33E-06	5.66E-07
2417	495918.25, 3859642.96	2.43E-03	7.67E-07	3.25E-07	2.62E-03	8.28E-07	3.51E-07	4.19E-03	1.32E-06	5.60E-07
2418	496018.25, 3859642.96	2.40E-03	7.57E-07	3.21E-07	2.59E-03	8.17E-07	3.47E-07	4.13E-03	1.30E-06	5.53E-07
2419	496118.25, 3859642.96	2.41E-03	7.61E-07	3.23E-07	2.61E-03	8.22E-07	3.49E-07	4.16E-03	1.31E-06	5.56E-07
2420	496218.25, 3859642.96	2.41E-03	7.62E-07	3.23E-07	2.61E-03	8.23E-07	3.49E-07	4.16E-03	1.31E-06	5.57E-07
2421	496318.25, 3859642.96	2.39E-03	7.54E-07	3.20E-07	2.58E-03	8.14E-07	3.45E-07	4.11E-03	1.30E-06	5.51E-07
2422	496418.25, 3859642.96	2.29E-03	7.24E-07	3.07E-07	2.48E-03	7.82E-07	3.32E-07	3.95E-03	1.25E-06	5.29E-07
2423	495718.25, 3859742.96	2.50E-03	7.90E-07	3.35E-07	2.70E-03	8.53E-07	3.62E-07	4.31E-03	1.36E-06	5.77E-07
2424	495818.25, 3859742.96	2.46E-03	7.78E-07	3.30E-07	2.66E-03	8.40E-07	3.56E-07	4.24E-03	1.34E-06	5.68E-07
2425	495918.25, 3859742.96	2.43E-03	7.68E-07	3.26E-07	2.63E-03	8.30E-07	3.52E-07	4.19E-03	1.32E-06	5.61E-07
2426	496018.25, 3859742.96	2.40E-03	7.58E-07	3.22E-07	2.59E-03	8.19E-07	3.47E-07	4.14E-03	1.31E-06	5.54E-07
2427	496118.25, 3859742.96	2.41E-03	7.60E-07	3.22E-07	2.60E-03	8.21E-07	3.48E-07	4.15E-03	1.31E-06	5.55E-07
2428	496218.25, 3859742.96	2.42E-03	7.63E-07	3.24E-07	2.61E-03	8.25E-07	3.50E-07	4.17E-03	1.31E-06	5.58E-07
2429	496318.25, 3859742.96	2.35E-03	7.41E-07	3.14E-07	2.54E-03	8.00E-07	3.40E-07	4.04E-03	1.28E-06	5.41E-07
2430	496418.25, 3859742.96	2.28E-03	7.20E-07	3.05E-07	2.46E-03	7.78E-07	3.30E-07	3.93E-03	1.24E-06	5.26E-07
2431	495718.25, 3859842.96	2.49E-03	7.86E-07	3.33E-07	2.69E-03	8.48E-07	3.60E-07	4.28E-03	1.35E-06	5.74E-07
2432	495818.25, 3859842.96	2.46E-03	7.77E-07	3.30E-07	2.66E-03	8.39E-07	3.56E-07	4.24E-03	1.34E-06	5.67E-07
2433	495918.25, 3859842.96	2.43E-03	7.68E-07	3.26E-07	2.63E-03	8.29E-07	3.52E-07	4.19E-03	1.32E-06	5.60E-07
2434	496018.25, 3859842.96	2.41E-03	7.62E-07	3.23E-07	2.61E-03	8.23E-07	3.49E-07	4.15E-03	1.31E-06	5.56E-07
2435	496118.25, 3859842.96	2.43E-03	7.66E-07	3.25E-07	2.62E-03	8.27E-07	3.51E-07	4.18E-03	1.32E-06	5.59E-07
2436	496218.25, 3859842.96	2.37E-03	7.47E-07	3.17E-07	2.56E-03	8.07E-07	3.42E-07	4.07E-03	1.29E-06	5.45E-07

2437	496318.25, 3859842.96	2.24E-03	7.08E-07	3.00E-07	2.42E-03	7.65E-07	3.25E-07	3.86E-03	1.22E-06	5.17E-07
2438	496418.25, 3859842.96	2.16E-03	6.81E-07	2.89E-07	2.33E-03	7.36E-07	3.12E-07	3.72E-03	1.17E-06	4.98E-07
2439	495718.25, 3859942.96	2.46E-03	7.76E-07	3.29E-07	2.65E-03	8.38E-07	3.55E-07	4.23E-03	1.33E-06	5.66E-07
2440	495818.25, 3859942.96	2.43E-03	7.67E-07	3.25E-07	2.62E-03	8.28E-07	3.51E-07	4.18E-03	1.32E-06	5.60E-07
2441	495918.25, 3859942.96	2.41E-03	7.61E-07	3.23E-07	2.60E-03	8.21E-07	3.48E-07	4.14E-03	1.31E-06	5.55E-07
2442	496018.25, 3859942.96	2.41E-03	7.60E-07	3.22E-07	2.60E-03	8.20E-07	3.48E-07	4.14E-03	1.31E-06	5.54E-07
2443	496118.25, 3859942.96	2.37E-03	7.46E-07	3.17E-07	2.55E-03	8.06E-07	3.42E-07	4.07E-03	1.28E-06	5.45E-07
2444	496218.25, 3859942.96	2.29E-03	7.24E-07	3.07E-07	2.48E-03	7.82E-07	3.32E-07	3.95E-03	1.25E-06	5.29E-07
2445	496318.25, 3859942.96	2.22E-03	6.99E-07	2.97E-07	2.39E-03	7.55E-07	3.21E-07	3.82E-03	1.20E-06	5.11E-07
2446	496418.25, 3859942.96	2.10E-03	6.64E-07	2.82E-07	2.27E-03	7.17E-07	3.04E-07	3.62E-03	1.14E-06	4.85E-07
2447	496856.82, 3858864.83	1.96E-03	6.18E-07	2.62E-07	2.11E-03	6.67E-07	2.83E-07	3.37E-03	1.06E-06	4.51E-07
2448	496956.82, 3858864.83	1.93E-03	6.09E-07	2.58E-07	2.08E-03	6.57E-07	2.79E-07	3.32E-03	1.05E-06	4.44E-07
2449	497056.82, 3858864.83	1.90E-03	6.00E-07	2.55E-07	2.05E-03	6.48E-07	2.75E-07	3.27E-03	1.03E-06	4.38E-07
2450	497156.82, 3858864.83	1.87E-03	5.89E-07	2.50E-07	2.02E-03	6.36E-07	2.70E-07	3.21E-03	1.01E-06	4.30E-07
2451	497256.82, 3858864.83	1.86E-03	5.86E-07	2.49E-07	2.00E-03	6.33E-07	2.68E-07	3.19E-03	1.01E-06	4.28E-07
2452	496856.82, 3858964.83	2.01E-03	6.33E-07	2.69E-07	2.17E-03	6.84E-07	2.90E-07	3.45E-03	1.09E-06	4.62E-07
2453	496956.82, 3858964.83	1.96E-03	6.20E-07	2.63E-07	2.12E-03	6.69E-07	2.84E-07	3.38E-03	1.07E-06	4.52E-07
2454	497056.82, 3858964.83	1.93E-03	6.10E-07	2.59E-07	2.09E-03	6.58E-07	2.79E-07	3.32E-03	1.05E-06	4.45E-07
2455	497156.82, 3858964.83	1.90E-03	5.99E-07	2.54E-07	2.05E-03	6.47E-07	2.75E-07	3.27E-03	1.03E-06	4.38E-07
2456	497256.82, 3858964.83	1.92E-03	6.05E-07	2.57E-07	2.07E-03	6.53E-07	2.77E-07	3.30E-03	1.04E-06	4.42E-07
2457	496856.82, 3859064.83	2.02E-03	6.39E-07	2.71E-07	2.19E-03	6.90E-07	2.93E-07	3.48E-03	1.10E-06	4.66E-07
2458	496956.82, 3859064.83	1.99E-03	6.28E-07	2.66E-07	2.15E-03	6.78E-07	2.88E-07	3.42E-03	1.08E-06	4.58E-07
2459	497056.82, 3859064.83	1.96E-03	6.19E-07	2.63E-07	2.12E-03	6.69E-07	2.84E-07	3.38E-03	1.07E-06	4.52E-07
2460	497156.82, 3859064.83	1.94E-03	6.12E-07	2.60E-07	2.09E-03	6.61E-07	2.80E-07	3.34E-03	1.05E-06	4.47E-07
2461	497256.82, 3859064.83	1.97E-03	6.22E-07	2.64E-07	2.13E-03	6.72E-07	2.85E-07	3.39E-03	1.07E-06	4.55E-07
2462	496856.82, 3859164.83	2.02E-03	6.38E-07	2.70E-07	2.18E-03	6.89E-07	2.92E-07	3.48E-03	1.10E-06	4.66E-07
2463	496956.82, 3859164.83	1.98E-03	6.26E-07	2.65E-07	2.14E-03	6.76E-07	2.87E-07	3.41E-03	1.08E-06	4.57E-07
2464	497056.82, 3859164.83	1.97E-03	6.21E-07	2.64E-07	2.13E-03	6.71E-07	2.85E-07	3.39E-03	1.07E-06	4.54E-07
2465	497156.82, 3859164.83	1.98E-03	6.25E-07	2.65E-07	2.14E-03	6.75E-07	2.87E-07	3.41E-03	1.08E-06	4.57E-07
2466	497256.82, 3859164.83	2.02E-03	6.39E-07	2.71E-07	2.19E-03	6.90E-07	2.93E-07	3.49E-03	1.10E-06	4.67E-07
2467	496856.82, 3859264.83	2.00E-03	6.32E-07	2.68E-07	2.16E-03	6.82E-07	2.90E-07	3.45E-03	1.09E-06	4.61E-07
2468	496956.82, 3859264.83	2.00E-03	6.30E-07	2.67E-07	2.16E-03	6.81E-07	2.89E-07	3.44E-03	1.08E-06	4.60E-07
2469	497056.82, 3859264.83	2.01E-03	6.35E-07	2.69E-07	2.17E-03	6.86E-07	2.91E-07	3.46E-03	1.09E-06	4.64E-07
2470	497156.82, 3859264.83	2.02E-03	6.38E-07	2.71E-07	2.18E-03	6.89E-07	2.93E-07	3.48E-03	1.10E-06	4.66E-07
2471	497256.82, 3859264.83	2.06E-03	6.49E-07	2.76E-07	2.22E-03	7.01E-07	2.98E-07	3.54E-03	1.12E-06	4.75E-07
2472	497088.92, 3858620.93	1.78E-03	5.63E-07	2.39E-07	1.92E-03	6.08E-07	2.58E-07	3.07E-03	9.67E-07	4.10E-07
2473	497138.92, 3858620.93	1.78E-03	5.62E-07	2.38E-07	1.92E-03	6.07E-07	2.57E-07	3.06E-03	9.66E-07	4.10E-07
2474	497188.92, 3858620.93	1.77E-03	5.58E-07	2.37E-07	1.91E-03	6.03E-07	2.56E-07	3.04E-03	9.60E-07	4.07E-07
2475	497238.92, 3858620.93	1.76E-03	5.55E-07	2.36E-07	1.90E-03	5.99E-07	2.54E-07	3.02E-03	9.55E-07	4.05E-07
2476	497088.92, 3858670.93	1.79E-03	5.64E-07	2.39E-07	1.93E-03	6.09E-07	2.58E-07	3.07E-03	9.69E-07	4.11E-07
2477	497138.92, 3858670.93	1.79E-03	5.66E-07	2.40E-07	1.94E-03	6.11E-07	2.59E-07	3.08E-03	9.73E-07	4.13E-07
2478	497188.92, 3858670.93	1.78E-03	5.61E-07	2.38E-07	1.92E-03	6.05E-07	2.57E-07	3.06E-03	9.64E-07	4.09E-07
2479	497238.92, 3858670.93	1.77E-03	5.60E-07	2.37E-07	1.91E-03	6.04E-07	2.56E-07	3.05E-03	9.62E-07	4.08E-07
2480	497088.92, 3858720.93	1.82E-03	5.76E-07	2.44E-07	1.97E-03	6.22E-07	2.64E-07	3.14E-03	9.90E-07	4.20E-07
2481	497138.92, 3858720.93	1.78E-03	5.62E-07	2.39E-07	1.92E-03	6.07E-07	2.58E-07	3.06E-03	9.67E-07	4.10E-07
2482	497188.92, 3858720.93	1.77E-03	5.59E-07	2.37E-07	1.91E-03	6.04E-07	2.56E-07	3.05E-03	9.62E-07	4.08E-07
2483	497238.92, 3858720.93	1.79E-03	5.66E-07	2.40E-07	1.94E-03	6.11E-07	2.59E-07	3.08E-03	9.73E-07	4.13E-07
2484	497088.92, 3858770.93	1.83E-03	5.79E-07	2.46E-07	1.98E-03	6.25E-07	2.65E-07	3.15E-03	9.95E-07	4.22E-07
2485	497138.92, 3858770.93	1.82E-03	5.73E-07	2.43E-07	1.96E-03	6.19E-07	2.62E-07	3.12E-03	9.85E-07	4.18E-07
2486	497188.92, 3858770.93	1.80E-03	5.68E-07	2.41E-07	1.94E-03	6.14E-07	2.60E-07	3.10E-03	9.78E-07	4.15E-07
2487	497238.92, 3858770.93	1.81E-03	5.72E-07	2.43E-07	1.96E-03	6.18E-07	2.62E-07	3.12E-03	9.84E-07	4.18E-07
2488	497396.65, 3858622.63	1.82E-03	5.76E-07	2.44E-07	1.97E-03	6.22E-07	2.64E-07	3.14E-03	9.90E-07	4.20E-07
2489	497496.65, 3858622.63	1.86E-03	5.87E-07	2.49E-07	2.01E-03	6.34E-07	2.69E-07	3.20E-03	1.01E-06	4.28E-07
2490	497596.65, 3858622.63	1.93E-03	6.08E-07	2.58E-07	2.08E-03	6.57E-07	2.79E-07	3.32E-03	1.05E-06	4.44E-07
2491	497696.65, 3858622.63	1.95E-03	6.14E-07	2.61E-07	2.10E-03	6.63E-07	2.81E-07	3.35E-03	1.06E-06	4.49E-07
2492	497796.65, 3858622.63	1.99E-03	6.28E-07	2.66E-07	2.15E-03	6.78E-07	2.88E-07	3.43E-03	1.08E-06	4.59E-07
2493	497896.65, 3858622.63	2.03E-03	6.41E-07	2.72E-07	2.20E-03	6.93E-07	2.94E-07	3.50E-03	1.10E-06	4.69E-07
2494	497396.65, 3858722.63	1.87E-03	5.90E-07	2.50E-07	2.02E-03	6.37E-07	2.70E-07	3.22E-03	1.02E-06	4.31E-07
2495	497496.65, 3858722.63	1.91E-03	6.02E-07	2.55E-07	2.06E-03	6.50E-07	2.76E-07	3.28E-03	1.04E-06	4.39E-07
2496	497596.65, 3858722.63	1.97E-03	6.23E-07	2.64E-07	2.13E-03	6.73E-07	2.85E-07	3.40E-03	1.07E-06	4.55E-07
2497	497696.65, 3858722.63	2.01E-03	6.34E-07	2.69E-07	2.17E-03	6.85E-07	2.91E-07	3.46E-03	1.09E-06	4.63E-07

2498	497796.65, 3858722.63	2.03E-03	6.39E-07	2.71E-07	2.19E-03	6.91E-07	2.93E-07	3.49E-03	1.10E-06	4.67E-07
2499	497896.65, 3858722.63	2.05E-03	6.48E-07	2.75E-07	2.22E-03	7.00E-07	2.97E-07	3.54E-03	1.12E-06	4.74E-07
2500	497396.65, 3858822.63	1.90E-03	5.99E-07	2.54E-07	2.05E-03	6.47E-07	2.74E-07	3.27E-03	1.03E-06	4.37E-07
2501	497496.65, 3858822.63	1.93E-03	6.09E-07	2.58E-07	2.08E-03	6.58E-07	2.79E-07	3.32E-03	1.05E-06	4.45E-07
2502	497596.65, 3858822.63	2.01E-03	6.33E-07	2.69E-07	2.17E-03	6.84E-07	2.90E-07	3.45E-03	1.09E-06	4.63E-07
2503	497696.65, 3858822.63	2.03E-03	6.41E-07	2.72E-07	2.20E-03	6.93E-07	2.94E-07	3.50E-03	1.10E-06	4.69E-07
2504	497796.65, 3858822.63	2.05E-03	6.47E-07	2.74E-07	2.21E-03	6.99E-07	2.96E-07	3.53E-03	1.11E-06	4.73E-07
2505	497896.65, 3858822.63	2.10E-03	6.63E-07	2.81E-07	2.27E-03	7.16E-07	3.04E-07	3.62E-03	1.14E-06	4.85E-07
2506	497396.65, 3858922.63	1.93E-03	6.09E-07	2.59E-07	2.09E-03	6.58E-07	2.79E-07	3.32E-03	1.05E-06	4.45E-07
2507	497496.65, 3858922.63	2.00E-03	6.30E-07	2.67E-07	2.16E-03	6.81E-07	2.89E-07	3.44E-03	1.09E-06	4.60E-07
2508	497596.65, 3858922.63	1.99E-03	6.29E-07	2.67E-07	2.15E-03	6.79E-07	2.88E-07	3.43E-03	1.08E-06	4.60E-07
2509	497696.65, 3858922.63	2.07E-03	6.53E-07	2.77E-07	2.23E-03	7.05E-07	2.99E-07	3.56E-03	1.12E-06	4.77E-07
2510	497796.65, 3858922.63	2.11E-03	6.65E-07	2.82E-07	2.28E-03	7.18E-07	3.05E-07	3.63E-03	1.15E-06	4.86E-07
2511	497896.65, 3858922.63	2.17E-03	6.85E-07	2.91E-07	2.34E-03	7.40E-07	3.14E-07	3.74E-03	1.18E-06	5.01E-07
2512	497364.44, 3858201.52	1.74E-03	5.48E-07	2.33E-07	1.88E-03	5.92E-07	2.51E-07	2.99E-03	9.43E-07	4.00E-07
2513	497414.44, 3858201.52	1.75E-03	5.53E-07	2.35E-07	1.89E-03	5.98E-07	2.54E-07	3.02E-03	9.52E-07	4.04E-07
2514	497464.44, 3858201.52	1.77E-03	5.58E-07	2.37E-07	1.91E-03	6.03E-07	2.56E-07	3.04E-03	9.60E-07	4.07E-07
2515	497514.44, 3858201.52	1.78E-03	5.60E-07	2.38E-07	1.92E-03	6.05E-07	2.57E-07	3.05E-03	9.64E-07	4.09E-07
2516	497564.44, 3858201.52	1.77E-03	5.58E-07	2.37E-07	1.91E-03	6.02E-07	2.56E-07	3.04E-03	9.60E-07	4.07E-07
2517	497614.44, 3858201.52	1.77E-03	5.59E-07	2.37E-07	1.91E-03	6.03E-07	2.56E-07	3.05E-03	9.61E-07	4.08E-07
2518	497364.44, 3858251.52	1.77E-03	5.57E-07	2.36E-07	1.91E-03	6.02E-07	2.55E-07	3.04E-03	9.58E-07	4.07E-07
2519	497414.44, 3858251.52	1.79E-03	5.65E-07	2.40E-07	1.93E-03	6.10E-07	2.59E-07	3.08E-03	9.71E-07	4.12E-07
2520	497464.44, 3858251.52	1.77E-03	5.60E-07	2.38E-07	1.92E-03	6.05E-07	2.57E-07	3.05E-03	9.63E-07	4.09E-07
2521	497514.44, 3858251.52	1.76E-03	5.54E-07	2.35E-07	1.90E-03	5.99E-07	2.54E-07	3.02E-03	9.53E-07	4.04E-07
2522	497564.44, 3858251.52	1.75E-03	5.52E-07	2.34E-07	1.89E-03	5.96E-07	2.53E-07	3.01E-03	9.50E-07	4.03E-07
2523	497614.44, 3858251.52	1.74E-03	5.51E-07	2.34E-07	1.88E-03	5.95E-07	2.52E-07	3.00E-03	9.47E-07	4.02E-07
2524	497364.44, 3858301.52	1.77E-03	5.59E-07	2.37E-07	1.91E-03	6.04E-07	2.56E-07	3.05E-03	9.61E-07	4.08E-07
2525	497414.44, 3858301.52	1.79E-03	5.63E-07	2.39E-07	1.93E-03	6.08E-07	2.58E-07	3.07E-03	9.69E-07	4.11E-07
2526	497464.44, 3858301.52	1.77E-03	5.57E-07	2.36E-07	1.91E-03	6.02E-07	2.55E-07	3.04E-03	9.58E-07	4.07E-07
2527	497514.44, 3858301.52	1.75E-03	5.53E-07	2.35E-07	1.89E-03	5.97E-07	2.53E-07	3.01E-03	9.52E-07	4.04E-07
2528	497564.44, 3858301.52	1.73E-03	5.47E-07	2.32E-07	1.87E-03	5.91E-07	2.51E-07	2.98E-03	9.41E-07	3.99E-07
2529	497614.44, 3858301.52	1.73E-03	5.45E-07	2.31E-07	1.86E-03	5.89E-07	2.50E-07	2.97E-03	9.37E-07	3.98E-07
2530	497364.44, 3858351.52	1.78E-03	5.62E-07	2.39E-07	1.92E-03	6.07E-07	2.58E-07	3.06E-03	9.67E-07	4.10E-07
2531	497414.44, 3858351.52	1.77E-03	5.58E-07	2.37E-07	1.91E-03	6.03E-07	2.56E-07	3.04E-03	9.60E-07	4.07E-07
2532	497464.44, 3858351.52	1.76E-03	5.57E-07	2.36E-07	1.90E-03	6.01E-07	2.55E-07	3.03E-03	9.57E-07	4.06E-07
2533	497514.44, 3858351.52	1.75E-03	5.53E-07	2.35E-07	1.89E-03	5.98E-07	2.54E-07	3.02E-03	9.52E-07	4.04E-07
2534	497564.44, 3858351.52	1.73E-03	5.46E-07	2.31E-07	1.87E-03	5.89E-07	2.50E-07	2.97E-03	9.38E-07	3.98E-07
2535	497614.44, 3858351.52	1.72E-03	5.44E-07	2.31E-07	1.86E-03	5.87E-07	2.49E-07	2.96E-03	9.35E-07	3.97E-07
2536	497364.44, 3858401.52	1.76E-03	5.56E-07	2.36E-07	1.90E-03	6.00E-07	2.55E-07	3.03E-03	9.56E-07	4.06E-07
2537	497414.44, 3858401.52	1.76E-03	5.56E-07	2.36E-07	1.90E-03	6.00E-07	2.55E-07	3.03E-03	9.56E-07	4.06E-07
2538	497464.44, 3858401.52	1.75E-03	5.52E-07	2.34E-07	1.89E-03	5.96E-07	2.53E-07	3.01E-03	9.49E-07	4.02E-07
2539	497514.44, 3858401.52	1.74E-03	5.49E-07	2.33E-07	1.88E-03	5.93E-07	2.52E-07	2.99E-03	9.45E-07	4.01E-07
2540	497564.44, 3858401.52	1.76E-03	5.55E-07	2.35E-07	1.90E-03	5.99E-07	2.54E-07	3.02E-03	9.54E-07	4.05E-07
2541	497614.44, 3858401.52	1.77E-03	5.59E-07	2.37E-07	1.91E-03	6.03E-07	2.56E-07	3.05E-03	9.61E-07	4.08E-07
2542	493478.11, 3860497.94	2.47E-03	7.80E-07	3.31E-07	2.67E-03	8.43E-07	3.57E-07	4.25E-03	1.34E-06	5.69E-07
2543	493528.11, 3860497.94	2.47E-03	7.78E-07	3.30E-07	2.66E-03	8.40E-07	3.56E-07	4.23E-03	1.34E-06	5.67E-07
2544	493478.11, 3860547.94	2.42E-03	7.64E-07	3.24E-07	2.61E-03	8.25E-07	3.50E-07	4.16E-03	1.31E-06	5.57E-07
2545	493528.11, 3860547.94	2.41E-03	7.62E-07	3.23E-07	2.61E-03	8.22E-07	3.49E-07	4.14E-03	1.31E-06	5.55E-07
2546	493478.11, 3860597.94	2.37E-03	7.48E-07	3.17E-07	2.56E-03	8.07E-07	3.43E-07	4.07E-03	1.28E-06	5.45E-07
2547	493528.11, 3860597.94	2.36E-03	7.46E-07	3.16E-07	2.55E-03	8.05E-07	3.42E-07	4.06E-03	1.28E-06	5.43E-07
2548	493561.88, 3860524.64	2.43E-03	7.68E-07	3.26E-07	2.63E-03	8.29E-07	3.52E-07	4.18E-03	1.32E-06	5.60E-07
2549	493591.88, 3860524.64	2.43E-03	7.67E-07	3.25E-07	2.62E-03	8.28E-07	3.51E-07	4.18E-03	1.32E-06	5.59E-07
2550	493561.88, 3860554.64	2.40E-03	7.58E-07	3.22E-07	2.59E-03	8.19E-07	3.47E-07	4.13E-03	1.30E-06	5.52E-07
2551	493591.88, 3860554.64	2.40E-03	7.58E-07	3.22E-07	2.59E-03	8.18E-07	3.47E-07	4.12E-03	1.30E-06	5.52E-07
2552	492880.5, 3860293.11	2.77E-03	8.74E-07	3.71E-07	2.99E-03	9.43E-07	4.00E-07	4.75E-03	1.50E-06	6.36E-07
2553	492930.5, 3860293.11	2.77E-03	8.73E-07	3.70E-07	2.99E-03	9.42E-07	4.00E-07	4.74E-03	1.50E-06	6.35E-07
2554	492980.5, 3860293.11	2.76E-03	8.72E-07	3.70E-07	2.98E-03	9.41E-07	3.99E-07	4.74E-03	1.50E-06	6.35E-07
2555	493030.5, 3860293.11	2.77E-03	8.73E-07	3.70E-07	2.99E-03	9.42E-07	4.00E-07	4.75E-03	1.50E-06	6.36E-07
2556	493080.5, 3860293.11	2.76E-03	8.73E-07	3.70E-07	2.99E-03	9.42E-07	4.00E-07	4.75E-03	1.50E-06	6.36E-07
2557	493130.5, 3860293.11	2.75E-03	8.69E-07	3.69E-07	2.97E-03	9.38E-07	3.98E-07	4.73E-03	1.49E-06	6.33E-07
2558	493180.5, 3860293.11	2.74E-03	8.65E-07	3.67E-07	2.96E-03	9.34E-07	3.96E-07	4.71E-03	1.49E-06	6.30E-07

2559	493230.5, 3860293.11	2.73E-03	8.63E-07	3.66E-07	2.95E-03	9.31E-07	3.95E-07	4.69E-03	1.48E-06	6.28E-07
2560	493280.5, 3860293.11	2.73E-03	8.61E-07	3.65E-07	2.95E-03	9.30E-07	3.95E-07	4.69E-03	1.48E-06	6.28E-07
2561	493330.5, 3860293.11	2.72E-03	8.59E-07	3.64E-07	2.94E-03	9.28E-07	3.94E-07	4.68E-03	1.48E-06	6.26E-07
2562	493380.5, 3860293.11	2.71E-03	8.57E-07	3.63E-07	2.93E-03	9.25E-07	3.92E-07	4.66E-03	1.47E-06	6.24E-07
2563	492880.5, 3860343.11	2.70E-03	8.53E-07	3.62E-07	2.92E-03	9.21E-07	3.91E-07	4.63E-03	1.46E-06	6.21E-07
2564	492930.5, 3860343.11	2.70E-03	8.52E-07	3.61E-07	2.91E-03	9.20E-07	3.90E-07	4.63E-03	1.46E-06	6.20E-07
2565	492980.5, 3860343.11	2.71E-03	8.55E-07	3.63E-07	2.92E-03	9.23E-07	3.91E-07	4.65E-03	1.47E-06	6.22E-07
2566	493030.5, 3860343.11	2.70E-03	8.53E-07	3.62E-07	2.92E-03	9.21E-07	3.91E-07	4.64E-03	1.46E-06	6.21E-07
2567	493080.5, 3860343.11	2.70E-03	8.54E-07	3.62E-07	2.92E-03	9.22E-07	3.91E-07	4.64E-03	1.47E-06	6.22E-07
2568	493130.5, 3860343.11	2.70E-03	8.51E-07	3.61E-07	2.91E-03	9.19E-07	3.90E-07	4.63E-03	1.46E-06	6.20E-07
2569	493180.5, 3860343.11	2.68E-03	8.47E-07	3.59E-07	2.90E-03	9.14E-07	3.88E-07	4.61E-03	1.45E-06	6.17E-07
2570	493230.5, 3860343.11	2.68E-03	8.44E-07	3.58E-07	2.89E-03	9.12E-07	3.87E-07	4.59E-03	1.45E-06	6.15E-07
2571	493280.5, 3860343.11	2.67E-03	8.43E-07	3.58E-07	2.89E-03	9.11E-07	3.86E-07	4.59E-03	1.45E-06	6.15E-07
2572	493330.5, 3860343.11	2.67E-03	8.42E-07	3.57E-07	2.88E-03	9.09E-07	3.86E-07	4.58E-03	1.45E-06	6.13E-07
2573	493380.5, 3860343.11	2.66E-03	8.39E-07	3.56E-07	2.87E-03	9.06E-07	3.85E-07	4.57E-03	1.44E-06	6.12E-07
2574	492880.5, 3860393.11	2.64E-03	8.32E-07	3.53E-07	2.85E-03	8.98E-07	3.81E-07	4.52E-03	1.43E-06	6.05E-07
2575	492930.5, 3860393.11	2.64E-03	8.32E-07	3.53E-07	2.85E-03	8.98E-07	3.81E-07	4.52E-03	1.43E-06	6.06E-07
2576	492980.5, 3860393.11	2.64E-03	8.33E-07	3.54E-07	2.85E-03	9.00E-07	3.82E-07	4.53E-03	1.43E-06	6.07E-07
2577	493030.5, 3860393.11	2.64E-03	8.33E-07	3.54E-07	2.85E-03	9.00E-07	3.82E-07	4.53E-03	1.43E-06	6.07E-07
2578	493080.5, 3860393.11	2.64E-03	8.35E-07	3.54E-07	2.86E-03	9.01E-07	3.82E-07	4.54E-03	1.43E-06	6.08E-07
2579	493130.5, 3860393.11	2.64E-03	8.32E-07	3.53E-07	2.85E-03	8.98E-07	3.81E-07	4.52E-03	1.43E-06	6.06E-07
2580	493180.5, 3860393.11	2.62E-03	8.28E-07	3.51E-07	2.83E-03	8.94E-07	3.79E-07	4.50E-03	1.42E-06	6.03E-07
2581	493230.5, 3860393.11	2.62E-03	8.26E-07	3.50E-07	2.83E-03	8.92E-07	3.78E-07	4.49E-03	1.42E-06	6.02E-07
2582	493280.5, 3860393.11	2.62E-03	8.26E-07	3.50E-07	2.82E-03	8.92E-07	3.78E-07	4.49E-03	1.42E-06	6.02E-07
2583	493330.5, 3860393.11	2.61E-03	8.25E-07	3.50E-07	2.82E-03	8.90E-07	3.78E-07	4.49E-03	1.42E-06	6.01E-07
2584	493380.5, 3860393.11	2.61E-03	8.23E-07	3.49E-07	2.81E-03	8.88E-07	3.77E-07	4.48E-03	1.41E-06	5.99E-07
2585	492880.5, 3860443.11	2.57E-03	8.12E-07	3.45E-07	2.78E-03	8.77E-07	3.72E-07	4.41E-03	1.39E-06	5.91E-07
2586	492930.5, 3860443.11	2.57E-03	8.11E-07	3.44E-07	2.78E-03	8.76E-07	3.72E-07	4.41E-03	1.39E-06	5.90E-07
2587	492980.5, 3860443.11	2.57E-03	8.13E-07	3.45E-07	2.78E-03	8.77E-07	3.72E-07	4.42E-03	1.39E-06	5.91E-07
2588	493030.5, 3860443.11	2.58E-03	8.13E-07	3.45E-07	2.78E-03	8.78E-07	3.72E-07	4.42E-03	1.40E-06	5.92E-07
2589	493080.5, 3860443.11	2.57E-03	8.12E-07	3.45E-07	2.78E-03	8.77E-07	3.72E-07	4.42E-03	1.39E-06	5.91E-07
2590	493130.5, 3860443.11	2.57E-03	8.11E-07	3.44E-07	2.78E-03	8.76E-07	3.72E-07	4.41E-03	1.39E-06	5.91E-07
2591	493180.5, 3860443.11	2.56E-03	8.08E-07	3.43E-07	2.76E-03	8.72E-07	3.70E-07	4.39E-03	1.39E-06	5.88E-07
2592	493230.5, 3860443.11	2.56E-03	8.08E-07	3.43E-07	2.77E-03	8.73E-07	3.70E-07	4.40E-03	1.39E-06	5.89E-07
2593	493280.5, 3860443.11	2.56E-03	8.08E-07	3.43E-07	2.76E-03	8.72E-07	3.70E-07	4.39E-03	1.39E-06	5.88E-07
2594	493330.5, 3860443.11	2.56E-03	8.07E-07	3.43E-07	2.76E-03	8.72E-07	3.70E-07	4.39E-03	1.39E-06	5.88E-07
2595	493380.5, 3860443.11	2.55E-03	8.05E-07	3.42E-07	2.75E-03	8.69E-07	3.69E-07	4.38E-03	1.38E-06	5.87E-07
2596	493180.5, 3860493.11	2.50E-03	7.90E-07	3.35E-07	2.70E-03	8.53E-07	3.62E-07	4.30E-03	1.36E-06	5.75E-07
2597	493230.5, 3860493.11	2.50E-03	7.90E-07	3.35E-07	2.70E-03	8.53E-07	3.62E-07	4.30E-03	1.36E-06	5.76E-07
2598	493280.5, 3860493.11	2.50E-03	7.90E-07	3.35E-07	2.70E-03	8.53E-07	3.62E-07	4.30E-03	1.36E-06	5.76E-07
2599	493330.5, 3860493.11	2.50E-03	7.89E-07	3.35E-07	2.70E-03	8.52E-07	3.62E-07	4.29E-03	1.36E-06	5.75E-07
2600	493380.5, 3860493.11	2.49E-03	7.87E-07	3.34E-07	2.69E-03	8.50E-07	3.61E-07	4.28E-03	1.35E-06	5.74E-07
2601	493330.5, 3860543.11	2.45E-03	7.72E-07	3.28E-07	2.64E-03	8.34E-07	3.54E-07	4.20E-03	1.33E-06	5.62E-07
2602	493380.5, 3860543.11	2.44E-03	7.70E-07	3.27E-07	2.63E-03	8.31E-07	3.53E-07	4.19E-03	1.32E-06	5.61E-07
2603	494135.94, 3860876.85	2.06E-03	6.50E-07	2.76E-07	2.22E-03	7.02E-07	2.98E-07	3.54E-03	1.12E-06	4.74E-07
2604	494185.94, 3860876.85	2.05E-03	6.48E-07	2.75E-07	2.22E-03	7.00E-07	2.97E-07	3.53E-03	1.11E-06	4.73E-07
2605	494135.94, 3860926.85	2.02E-03	6.36E-07	2.70E-07	2.18E-03	6.87E-07	2.92E-07	3.46E-03	1.09E-06	4.64E-07
2606	494185.94, 3860926.85	2.01E-03	6.35E-07	2.70E-07	2.17E-03	6.86E-07	2.91E-07	3.46E-03	1.09E-06	4.63E-07
2607	494135.94, 3860976.85	1.98E-03	6.23E-07	2.65E-07	2.13E-03	6.73E-07	2.86E-07	3.39E-03	1.07E-06	4.54E-07
2608	494185.94, 3860976.85	1.97E-03	6.23E-07	2.64E-07	2.13E-03	6.72E-07	2.85E-07	3.39E-03	1.07E-06	4.54E-07
2609	494135.94, 3861026.85	1.93E-03	6.10E-07	2.59E-07	2.09E-03	6.59E-07	2.80E-07	3.32E-03	1.05E-06	4.45E-07
2610	494185.94, 3861026.85	1.93E-03	6.10E-07	2.59E-07	2.09E-03	6.59E-07	2.79E-07	3.32E-03	1.05E-06	4.45E-07
2611	494135.94, 3861076.85	1.89E-03	5.98E-07	2.54E-07	2.04E-03	6.45E-07	2.74E-07	3.25E-03	1.03E-06	4.36E-07
2612	494185.94, 3861076.85	1.89E-03	5.97E-07	2.53E-07	2.04E-03	6.45E-07	2.74E-07	3.25E-03	1.03E-06	4.35E-07
2613	490360.04, 3858710.04	9.35E-03	2.95E-06	1.25E-06	1.01E-02	3.18E-06	1.35E-06	1.59E-02	5.01E-06	2.12E-06
2614	490410.04, 3858710.04	9.22E-03	2.91E-06	1.23E-06	9.94E-03	3.14E-06	1.33E-06	1.57E-02	4.94E-06	2.10E-06
2615	490460.04, 3858710.04	9.08E-03	2.87E-06	1.22E-06	9.80E-03	3.09E-06	1.31E-06	1.54E-02	4.88E-06	2.07E-06
2616	490510.04, 3858710.04	8.96E-03	2.83E-06	1.20E-06	9.66E-03	3.05E-06	1.29E-06	1.52E-02	4.81E-06	2.04E-06
2617	490560.04, 3858710.04	8.83E-03	2.79E-06	1.18E-06	9.53E-03	3.01E-06	1.28E-06	1.50E-02	4.75E-06	2.01E-06
2618	490610.04, 3858710.04	8.71E-03	2.75E-06	1.17E-06	9.39E-03	2.97E-06	1.26E-06	1.48E-02	4.69E-06	1.99E-06
2619	490660.04, 3858710.04	8.60E-03	2.71E-06	1.15E-06	9.28E-03	2.93E-06	1.24E-06	1.47E-02	4.63E-06	1.96E-06

2620	490710.04, 3858710.04	8.45E-03	2.67E-06	1.13E-06	9.11E-03	2.88E-06	1.22E-06	1.44E-02	4.55E-06	1.93E-06
2621	490760.04, 3858710.04	8.32E-03	2.63E-06	1.11E-06	8.98E-03	2.83E-06	1.20E-06	1.42E-02	4.49E-06	1.90E-06
2622	490810.04, 3858710.04	8.20E-03	2.59E-06	1.10E-06	8.85E-03	2.79E-06	1.19E-06	1.40E-02	4.42E-06	1.88E-06
2623	490860.04, 3858710.04	8.07E-03	2.55E-06	1.08E-06	8.71E-03	2.75E-06	1.17E-06	1.38E-02	4.36E-06	1.85E-06
2624	490360.04, 3858760.04	9.02E-03	2.85E-06	1.21E-06	9.72E-03	3.07E-06	1.30E-06	1.53E-02	4.82E-06	2.05E-06
2625	490410.04, 3858760.04	8.90E-03	2.81E-06	1.19E-06	9.59E-03	3.03E-06	1.28E-06	1.51E-02	4.77E-06	2.02E-06
2626	490460.04, 3858760.04	8.77E-03	2.77E-06	1.17E-06	9.46E-03	2.99E-06	1.27E-06	1.49E-02	4.70E-06	2.00E-06
2627	490510.04, 3858760.04	8.65E-03	2.73E-06	1.16E-06	9.33E-03	2.94E-06	1.25E-06	1.47E-02	4.64E-06	1.97E-06
2628	490560.04, 3858760.04	8.53E-03	2.69E-06	1.14E-06	9.20E-03	2.90E-06	1.23E-06	1.45E-02	4.58E-06	1.95E-06
2629	490610.04, 3858760.04	8.41E-03	2.66E-06	1.13E-06	9.07E-03	2.86E-06	1.22E-06	1.43E-02	4.53E-06	1.92E-06
2630	490660.04, 3858760.04	8.27E-03	2.61E-06	1.11E-06	8.92E-03	2.81E-06	1.19E-06	1.41E-02	4.45E-06	1.89E-06
2631	490710.04, 3858760.04	8.15E-03	2.57E-06	1.09E-06	8.79E-03	2.78E-06	1.18E-06	1.39E-02	4.39E-06	1.86E-06
2632	490760.04, 3858760.04	8.03E-03	2.53E-06	1.07E-06	8.66E-03	2.73E-06	1.16E-06	1.37E-02	4.33E-06	1.84E-06
2633	490810.04, 3858760.04	7.91E-03	2.50E-06	1.06E-06	8.53E-03	2.69E-06	1.14E-06	1.35E-02	4.27E-06	1.81E-06
2634	490860.04, 3858760.04	7.80E-03	2.46E-06	1.04E-06	8.41E-03	2.66E-06	1.13E-06	1.33E-02	4.21E-06	1.79E-06
2635	490360.04, 3858810.04	8.68E-03	2.74E-06	1.16E-06	9.36E-03	2.95E-06	1.25E-06	1.47E-02	4.64E-06	1.97E-06
2636	490410.04, 3858810.04	8.57E-03	2.70E-06	1.15E-06	9.24E-03	2.92E-06	1.24E-06	1.45E-02	4.59E-06	1.95E-06
2637	490460.04, 3858810.04	8.45E-03	2.67E-06	1.13E-06	9.12E-03	2.88E-06	1.22E-06	1.44E-02	4.53E-06	1.92E-06
2638	490510.04, 3858810.04	8.35E-03	2.63E-06	1.12E-06	9.00E-03	2.84E-06	1.21E-06	1.42E-02	4.48E-06	1.90E-06
2639	490560.04, 3858810.04	8.24E-03	2.60E-06	1.10E-06	8.88E-03	2.80E-06	1.19E-06	1.40E-02	4.42E-06	1.88E-06
2640	490610.04, 3858810.04	8.12E-03	2.56E-06	1.09E-06	8.76E-03	2.76E-06	1.17E-06	1.38E-02	4.37E-06	1.85E-06
2641	490660.04, 3858810.04	7.98E-03	2.52E-06	1.07E-06	8.60E-03	2.72E-06	1.15E-06	1.36E-02	4.29E-06	1.82E-06
2642	490710.04, 3858810.04	7.86E-03	2.48E-06	1.05E-06	8.48E-03	2.68E-06	1.14E-06	1.34E-02	4.23E-06	1.80E-06
2643	490760.04, 3858810.04	7.73E-03	2.44E-06	1.03E-06	8.34E-03	2.63E-06	1.12E-06	1.32E-02	4.17E-06	1.77E-06
2644	490810.04, 3858810.04	7.64E-03	2.41E-06	1.02E-06	8.24E-03	2.60E-06	1.10E-06	1.30E-02	4.12E-06	1.75E-06
2645	490860.04, 3858810.04	7.52E-03	2.37E-06	1.01E-06	8.11E-03	2.56E-06	1.09E-06	1.29E-02	4.06E-06	1.72E-06
2646	490360.04, 3858860.04	8.34E-03	2.63E-06	1.12E-06	8.99E-03	2.84E-06	1.20E-06	1.41E-02	4.46E-06	1.89E-06
2647	490410.04, 3858860.04	8.25E-03	2.60E-06	1.10E-06	8.89E-03	2.81E-06	1.19E-06	1.40E-02	4.41E-06	1.87E-06
2648	490460.04, 3858860.04	8.14E-03	2.57E-06	1.09E-06	8.77E-03	2.77E-06	1.17E-06	1.38E-02	4.36E-06	1.85E-06
2649	490510.04, 3858860.04	8.04E-03	2.54E-06	1.08E-06	8.67E-03	2.74E-06	1.16E-06	1.37E-02	4.31E-06	1.83E-06
2650	490560.04, 3858860.04	7.94E-03	2.51E-06	1.06E-06	8.56E-03	2.70E-06	1.15E-06	1.35E-02	4.26E-06	1.81E-06
2651	490610.04, 3858860.04	7.79E-03	2.46E-06	1.04E-06	8.40E-03	2.65E-06	1.12E-06	1.33E-02	4.18E-06	1.78E-06
2652	490660.04, 3858860.04	7.68E-03	2.42E-06	1.03E-06	8.29E-03	2.62E-06	1.11E-06	1.31E-02	4.13E-06	1.75E-06
2653	490710.04, 3858860.04	7.59E-03	2.39E-06	1.02E-06	8.19E-03	2.58E-06	1.10E-06	1.29E-02	4.08E-06	1.73E-06
2654	490760.04, 3858860.04	7.47E-03	2.36E-06	1.00E-06	8.06E-03	2.54E-06	1.08E-06	1.27E-02	4.02E-06	1.71E-06
2655	490810.04, 3858860.04	7.35E-03	2.32E-06	9.84E-07	7.93E-03	2.50E-06	1.06E-06	1.26E-02	3.96E-06	1.68E-06
2656	490860.04, 3858860.04	7.23E-03	2.28E-06	9.68E-07	7.80E-03	2.46E-06	1.04E-06	1.24E-02	3.90E-06	1.66E-06
2657	490360.04, 3858910.04	8.02E-03	2.53E-06	1.07E-06	8.64E-03	2.73E-06	1.16E-06	1.36E-02	4.28E-06	1.82E-06
2658	490410.04, 3858910.04	7.93E-03	2.50E-06	1.06E-06	8.55E-03	2.70E-06	1.14E-06	1.34E-02	4.24E-06	1.80E-06
2659	490460.04, 3858910.04	7.83E-03	2.47E-06	1.05E-06	8.45E-03	2.67E-06	1.13E-06	1.33E-02	4.20E-06	1.78E-06
2660	490510.04, 3858910.04	7.74E-03	2.44E-06	1.04E-06	8.34E-03	2.63E-06	1.12E-06	1.31E-02	4.15E-06	1.76E-06
2661	490560.04, 3858910.04	7.64E-03	2.41E-06	1.02E-06	8.24E-03	2.60E-06	1.10E-06	1.30E-02	4.10E-06	1.74E-06
2662	490610.04, 3858910.04	7.50E-03	2.37E-06	1.00E-06	8.09E-03	2.55E-06	1.08E-06	1.28E-02	4.03E-06	1.71E-06
2663	490660.04, 3858910.04	7.40E-03	2.33E-06	9.91E-07	7.98E-03	2.52E-06	1.07E-06	1.26E-02	3.98E-06	1.69E-06
2664	490710.04, 3858910.04	7.29E-03	2.30E-06	9.76E-07	7.86E-03	2.48E-06	1.05E-06	1.24E-02	3.92E-06	1.67E-06
2665	490760.04, 3858910.04	7.17E-03	2.26E-06	9.60E-07	7.74E-03	2.44E-06	1.04E-06	1.22E-02	3.86E-06	1.64E-06
2666	490810.04, 3858910.04	7.07E-03	2.23E-06	9.47E-07	7.63E-03	2.41E-06	1.02E-06	1.21E-02	3.81E-06	1.62E-06
2667	490860.04, 3858910.04	6.95E-03	2.19E-06	9.30E-07	7.50E-03	2.37E-06	1.00E-06	1.19E-02	3.75E-06	1.59E-06
2668	490360.04, 3858960.04	7.70E-03	2.43E-06	1.03E-06	8.29E-03	2.62E-06	1.11E-06	1.30E-02	4.11E-06	1.74E-06
2669	490410.04, 3858960.04	7.61E-03	2.40E-06	1.02E-06	8.20E-03	2.59E-06	1.10E-06	1.29E-02	4.07E-06	1.73E-06
2670	490460.04, 3858960.04	7.52E-03	2.37E-06	1.01E-06	8.11E-03	2.56E-06	1.09E-06	1.28E-02	4.03E-06	1.71E-06
2671	490510.04, 3858960.04	7.43E-03	2.35E-06	9.95E-07	8.01E-03	2.53E-06	1.07E-06	1.26E-02	3.99E-06	1.69E-06
2672	490560.04, 3858960.04	7.31E-03	2.31E-06	9.79E-07	7.88E-03	2.49E-06	1.06E-06	1.24E-02	3.92E-06	1.66E-06
2673	490610.04, 3858960.04	7.20E-03	2.27E-06	9.64E-07	7.76E-03	2.45E-06	1.04E-06	1.23E-02	3.87E-06	1.64E-06
2674	490660.04, 3858960.04	7.12E-03	2.25E-06	9.53E-07	7.68E-03	2.42E-06	1.03E-06	1.21E-02	3.83E-06	1.62E-06
2675	490710.04, 3858960.04	7.01E-03	2.21E-06	9.38E-07	7.56E-03	2.39E-06	1.01E-06	1.20E-02	3.77E-06	1.60E-06
2676	490760.04, 3858960.04	6.90E-03	2.18E-06	9.24E-07	7.44E-03	2.35E-06	9.97E-07	1.18E-02	3.72E-06	1.58E-06
2677	490810.04, 3858960.04	6.79E-03	2.14E-06	9.09E-07	7.33E-03	2.31E-06	9.81E-07	1.16E-02	3.66E-06	1.55E-06
2678	490860.04, 3858960.04	6.66E-03	2.10E-06	8.92E-07	7.19E-03	2.27E-06	9.63E-07	1.14E-02	3.60E-06	1.53E-06
2679	490360.04, 3859010.04	7.38E-03	2.33E-06	9.88E-07	7.96E-03	2.51E-06	1.07E-06	1.25E-02	3.94E-06	1.67E-06
2680	490410.04, 3859010.04	7.30E-03	2.30E-06	9.78E-07	7.87E-03	2.48E-06	1.05E-06	1.24E-02	3.91E-06	1.66E-06

2681	490460.04, 3859010.04	7.21E-03	2.28E-06	9.66E-07	7.78E-03	2.45E-06	1.04E-06	1.22E-02	3.87E-06	1.64E-06
2682	490510.04, 3859010.04	7.08E-03	2.23E-06	9.48E-07	7.64E-03	2.41E-06	1.02E-06	1.20E-02	3.80E-06	1.61E-06
2683	490560.04, 3859010.04	7.00E-03	2.21E-06	9.38E-07	7.55E-03	2.38E-06	1.01E-06	1.19E-02	3.76E-06	1.60E-06
2684	490610.04, 3859010.04	6.90E-03	2.18E-06	9.24E-07	7.44E-03	2.35E-06	9.97E-07	1.18E-02	3.71E-06	1.57E-06
2685	490660.04, 3859010.04	6.83E-03	2.16E-06	9.15E-07	7.37E-03	2.33E-06	9.87E-07	1.16E-02	3.67E-06	1.56E-06
2686	490710.04, 3859010.04	6.72E-03	2.12E-06	9.00E-07	7.25E-03	2.29E-06	9.71E-07	1.15E-02	3.62E-06	1.54E-06
2687	490760.04, 3859010.04	6.62E-03	2.09E-06	8.86E-07	7.14E-03	2.25E-06	9.56E-07	1.13E-02	3.57E-06	1.51E-06
2688	490810.04, 3859010.04	6.50E-03	2.05E-06	8.71E-07	7.02E-03	2.22E-06	9.40E-07	1.11E-02	3.51E-06	1.49E-06
2689	490860.04, 3859010.04	6.40E-03	2.02E-06	8.57E-07	6.90E-03	2.18E-06	9.25E-07	1.10E-02	3.46E-06	1.47E-06
2690	490360.04, 3859060.04	7.07E-03	2.23E-06	9.47E-07	7.62E-03	2.41E-06	1.02E-06	1.20E-02	3.78E-06	1.60E-06
2691	490410.04, 3859060.04	6.99E-03	2.21E-06	9.36E-07	7.54E-03	2.38E-06	1.01E-06	1.19E-02	3.74E-06	1.59E-06
2692	490460.04, 3859060.04	6.91E-03	2.18E-06	9.26E-07	7.45E-03	2.35E-06	9.98E-07	1.17E-02	3.71E-06	1.57E-06
2693	490510.04, 3859060.04	6.79E-03	2.14E-06	9.10E-07	7.32E-03	2.31E-06	9.81E-07	1.15E-02	3.64E-06	1.55E-06
2694	490560.04, 3859060.04	6.69E-03	2.11E-06	8.97E-07	7.22E-03	2.28E-06	9.67E-07	1.14E-02	3.60E-06	1.53E-06
2695	490610.04, 3859060.04	6.62E-03	2.09E-06	8.86E-07	7.14E-03	2.25E-06	9.56E-07	1.13E-02	3.56E-06	1.51E-06
2696	490660.04, 3859060.04	6.54E-03	2.06E-06	8.76E-07	7.06E-03	2.23E-06	9.45E-07	1.12E-02	3.52E-06	1.49E-06
2697	490710.04, 3859060.04	6.43E-03	2.03E-06	8.62E-07	6.94E-03	2.19E-06	9.30E-07	1.10E-02	3.47E-06	1.47E-06
2698	490760.04, 3859060.04	6.33E-03	2.00E-06	8.48E-07	6.83E-03	2.16E-06	9.15E-07	1.08E-02	3.41E-06	1.45E-06
2699	490810.04, 3859060.04	6.22E-03	1.96E-06	8.33E-07	6.71E-03	2.12E-06	8.99E-07	1.06E-02	3.36E-06	1.43E-06
2700	490860.04, 3859060.04	6.11E-03	1.93E-06	8.19E-07	6.60E-03	2.08E-06	8.84E-07	1.05E-02	3.30E-06	1.40E-06
2701	490360.04, 3859110.04	6.78E-03	2.14E-06	9.08E-07	7.31E-03	2.31E-06	9.79E-07	1.15E-02	3.63E-06	1.54E-06
2702	490410.04, 3859110.04	6.71E-03	2.12E-06	8.98E-07	7.23E-03	2.28E-06	9.69E-07	1.14E-02	3.59E-06	1.52E-06
2703	490460.04, 3859110.04	6.64E-03	2.10E-06	8.90E-07	7.16E-03	2.26E-06	9.59E-07	1.13E-02	3.56E-06	1.51E-06
2704	490510.04, 3859110.04	6.50E-03	2.05E-06	8.70E-07	7.01E-03	2.21E-06	9.39E-07	1.11E-02	3.49E-06	1.48E-06
2705	490560.04, 3859110.04	6.42E-03	2.02E-06	8.59E-07	6.92E-03	2.18E-06	9.27E-07	1.09E-02	3.45E-06	1.46E-06
2706	490610.04, 3859110.04	6.32E-03	2.00E-06	8.47E-07	6.82E-03	2.15E-06	9.13E-07	1.08E-02	3.40E-06	1.44E-06
2707	490660.04, 3859110.04	6.22E-03	1.96E-06	8.32E-07	6.71E-03	2.12E-06	8.98E-07	1.06E-02	3.35E-06	1.42E-06
2708	490710.04, 3859110.04	6.14E-03	1.94E-06	8.22E-07	6.62E-03	2.09E-06	8.87E-07	1.05E-02	3.31E-06	1.40E-06
2709	490760.04, 3859110.04	6.04E-03	1.91E-06	8.09E-07	6.52E-03	2.06E-06	8.73E-07	1.03E-02	3.26E-06	1.38E-06
2710	490810.04, 3859110.04	5.93E-03	1.87E-06	7.94E-07	6.40E-03	2.02E-06	8.57E-07	1.02E-02	3.20E-06	1.36E-06
2711	490860.04, 3859110.04	5.81E-03	1.83E-06	7.78E-07	6.27E-03	1.98E-06	8.40E-07	9.96E-03	3.14E-06	1.33E-06
2712	490360.04, 3859160.04	6.51E-03	2.05E-06	8.71E-07	7.01E-03	2.21E-06	9.39E-07	1.10E-02	3.48E-06	1.48E-06
2713	490410.04, 3859160.04	6.44E-03	2.03E-06	8.63E-07	6.95E-03	2.19E-06	9.30E-07	1.09E-02	3.45E-06	1.46E-06
2714	490460.04, 3859160.04	6.38E-03	2.01E-06	8.54E-07	6.88E-03	2.17E-06	9.21E-07	1.08E-02	3.42E-06	1.45E-06
2715	490510.04, 3859160.04	6.26E-03	1.98E-06	8.39E-07	6.76E-03	2.13E-06	9.05E-07	1.07E-02	3.36E-06	1.43E-06
2716	490560.04, 3859160.04	6.16E-03	1.95E-06	8.25E-07	6.65E-03	2.10E-06	8.90E-07	1.05E-02	3.31E-06	1.41E-06
2717	490610.04, 3859160.04	6.09E-03	1.92E-06	8.15E-07	6.57E-03	2.07E-06	8.79E-07	1.04E-02	3.28E-06	1.39E-06
2718	490660.04, 3859160.04	5.94E-03	1.87E-06	7.95E-07	6.41E-03	2.02E-06	8.58E-07	1.01E-02	3.20E-06	1.36E-06
2719	490710.04, 3859160.04	5.86E-03	1.85E-06	7.85E-07	6.32E-03	2.00E-06	8.47E-07	1.00E-02	3.16E-06	1.34E-06
2720	490760.04, 3859160.04	5.73E-03	1.81E-06	7.67E-07	6.18E-03	1.95E-06	8.28E-07	9.81E-03	3.09E-06	1.31E-06
2721	490810.04, 3859160.04	5.64E-03	1.78E-06	7.55E-07	6.09E-03	1.92E-06	8.15E-07	9.67E-03	3.05E-06	1.29E-06
2722	490860.04, 3859160.04	5.55E-03	1.75E-06	7.43E-07	5.99E-03	1.89E-06	8.02E-07	9.51E-03	3.00E-06	1.27E-06
2723	490360.04, 3859210.04	6.24E-03	1.97E-06	8.35E-07	6.73E-03	2.12E-06	9.01E-07	1.06E-02	3.34E-06	1.42E-06
2724	490410.04, 3859210.04	6.20E-03	1.96E-06	8.30E-07	6.68E-03	2.11E-06	8.95E-07	1.05E-02	3.32E-06	1.41E-06
2725	490460.04, 3859210.04	6.12E-03	1.93E-06	8.20E-07	6.61E-03	2.08E-06	8.85E-07	1.04E-02	3.29E-06	1.40E-06
2726	490510.04, 3859210.04	6.02E-03	1.90E-06	8.06E-07	6.49E-03	2.05E-06	8.69E-07	1.02E-02	3.23E-06	1.37E-06
2727	490560.04, 3859210.04	5.95E-03	1.88E-06	7.97E-07	6.42E-03	2.03E-06	8.60E-07	1.01E-02	3.20E-06	1.36E-06
2728	490610.04, 3859210.04	5.87E-03	1.85E-06	7.86E-07	6.33E-03	2.00E-06	8.48E-07	1.00E-02	3.16E-06	1.34E-06
2729	490660.04, 3859210.04	5.74E-03	1.81E-06	7.69E-07	6.19E-03	1.96E-06	8.30E-07	9.81E-03	3.10E-06	1.31E-06
2730	490710.04, 3859210.04	5.65E-03	1.78E-06	7.57E-07	6.10E-03	1.93E-06	8.17E-07	9.67E-03	3.05E-06	1.30E-06
2731	490760.04, 3859210.04	5.52E-03	1.74E-06	7.39E-07	5.96E-03	1.88E-06	7.98E-07	9.45E-03	2.98E-06	1.27E-06
2732	490810.04, 3859210.04	5.48E-03	1.73E-06	7.34E-07	5.92E-03	1.87E-06	7.93E-07	9.39E-03	2.96E-06	1.26E-06
2733	490860.04, 3859210.04	5.44E-03	1.72E-06	7.29E-07	5.87E-03	1.85E-06	7.86E-07	9.32E-03	2.94E-06	1.25E-06
2734	490360.04, 3859260.04	5.98E-03	1.89E-06	8.01E-07	6.45E-03	2.03E-06	8.63E-07	1.01E-02	3.20E-06	1.36E-06
2735	490410.04, 3859260.04	5.94E-03	1.87E-06	7.95E-07	6.40E-03	2.02E-06	8.58E-07	1.01E-02	3.18E-06	1.35E-06
2736	490460.04, 3859260.04	5.90E-03	1.86E-06	7.90E-07	6.36E-03	2.01E-06	8.52E-07	1.00E-02	3.17E-06	1.34E-06
2737	490510.04, 3859260.04	5.86E-03	1.85E-06	7.85E-07	6.32E-03	1.99E-06	8.46E-07	9.97E-03	3.15E-06	1.34E-06
2738	490560.04, 3859260.04	5.77E-03	1.82E-06	7.72E-07	6.22E-03	1.96E-06	8.33E-07	9.82E-03	3.10E-06	1.31E-06
2739	490610.04, 3859260.04	5.67E-03	1.79E-06	7.60E-07	6.12E-03	1.93E-06	8.19E-07	9.67E-03	3.05E-06	1.30E-06
2740	490660.04, 3859260.04	5.63E-03	1.78E-06	7.55E-07	6.08E-03	1.92E-06	8.14E-07	9.61E-03	3.03E-06	1.29E-06
2741	490710.04, 3859260.04	5.57E-03	1.76E-06	7.46E-07	6.01E-03	1.90E-06	8.05E-07	9.51E-03	3.00E-06	1.27E-06

2742	490760.04, 3859260.04	5.45E-03	1.72E-06	7.30E-07	5.89E-03	1.86E-06	7.88E-07	9.33E-03	2.94E-06	1.25E-06
2743	490810.04, 3859260.04	5.41E-03	1.71E-06	7.24E-07	5.83E-03	1.84E-06	7.81E-07	9.25E-03	2.92E-06	1.24E-06
2744	490860.04, 3859260.04	5.36E-03	1.69E-06	7.17E-07	5.78E-03	1.82E-06	7.74E-07	9.17E-03	2.89E-06	1.23E-06
2745	490360.04, 3859310.04	5.74E-03	1.81E-06	7.68E-07	6.18E-03	1.95E-06	8.28E-07	9.73E-03	3.07E-06	1.30E-06
2746	490410.04, 3859310.04	5.71E-03	1.80E-06	7.64E-07	6.15E-03	1.94E-06	8.24E-07	9.69E-03	3.06E-06	1.30E-06
2747	490460.04, 3859310.04	5.68E-03	1.79E-06	7.60E-07	6.12E-03	1.93E-06	8.20E-07	9.65E-03	3.05E-06	1.29E-06
2748	490510.04, 3859310.04	5.64E-03	1.78E-06	7.56E-07	6.09E-03	1.92E-06	8.15E-07	9.60E-03	3.03E-06	1.29E-06
2749	490560.04, 3859310.04	5.61E-03	1.77E-06	7.51E-07	6.05E-03	1.91E-06	8.10E-07	9.55E-03	3.02E-06	1.28E-06
2750	490610.04, 3859310.04	5.58E-03	1.76E-06	7.47E-07	6.02E-03	1.90E-06	8.05E-07	9.50E-03	3.00E-06	1.27E-06
2751	490660.04, 3859310.04	5.50E-03	1.74E-06	7.37E-07	5.93E-03	1.87E-06	7.95E-07	9.37E-03	2.96E-06	1.25E-06
2752	490710.04, 3859310.04	5.41E-03	1.71E-06	7.25E-07	5.84E-03	1.84E-06	7.82E-07	9.24E-03	2.92E-06	1.24E-06
2753	490760.04, 3859310.04	5.35E-03	1.69E-06	7.16E-07	5.77E-03	1.82E-06	7.73E-07	9.14E-03	2.88E-06	1.22E-06
2754	490810.04, 3859310.04	5.30E-03	1.67E-06	7.10E-07	5.72E-03	1.81E-06	7.67E-07	9.07E-03	2.86E-06	1.21E-06
2755	490860.04, 3859310.04	5.24E-03	1.65E-06	7.02E-07	5.66E-03	1.78E-06	7.57E-07	8.96E-03	2.83E-06	1.20E-06
2756	490360.04, 3859360.04	5.50E-03	1.74E-06	7.36E-07	5.93E-03	1.87E-06	7.94E-07	9.32E-03	2.94E-06	1.25E-06
2757	490410.04, 3859360.04	5.48E-03	1.73E-06	7.34E-07	5.91E-03	1.87E-06	7.91E-07	9.30E-03	2.94E-06	1.25E-06
2758	490460.04, 3859360.04	5.46E-03	1.72E-06	7.32E-07	5.89E-03	1.86E-06	7.89E-07	9.28E-03	2.93E-06	1.24E-06
2759	490510.04, 3859360.04	5.44E-03	1.72E-06	7.29E-07	5.87E-03	1.85E-06	7.86E-07	9.25E-03	2.92E-06	1.24E-06
2760	490560.04, 3859360.04	5.41E-03	1.71E-06	7.25E-07	5.84E-03	1.84E-06	7.82E-07	9.21E-03	2.91E-06	1.23E-06
2761	490610.04, 3859360.04	5.38E-03	1.70E-06	7.20E-07	5.80E-03	1.83E-06	7.77E-07	9.16E-03	2.89E-06	1.23E-06
2762	490660.04, 3859360.04	5.35E-03	1.69E-06	7.16E-07	5.77E-03	1.82E-06	7.72E-07	9.12E-03	2.88E-06	1.22E-06
2763	490710.04, 3859360.04	5.27E-03	1.66E-06	7.06E-07	5.69E-03	1.79E-06	7.61E-07	8.99E-03	2.84E-06	1.20E-06
2764	490760.04, 3859360.04	5.21E-03	1.64E-06	6.97E-07	5.62E-03	1.77E-06	7.53E-07	8.89E-03	2.81E-06	1.19E-06
2765	490810.04, 3859360.04	5.18E-03	1.64E-06	6.94E-07	5.59E-03	1.76E-06	7.49E-07	8.85E-03	2.79E-06	1.18E-06
2766	490860.04, 3859360.04	5.13E-03	1.62E-06	6.88E-07	5.54E-03	1.75E-06	7.42E-07	8.77E-03	2.77E-06	1.17E-06
2767	490360.04, 3859410.04	5.26E-03	1.66E-06	7.05E-07	5.67E-03	1.79E-06	7.60E-07	8.92E-03	2.81E-06	1.19E-06
2768	490410.04, 3859410.04	5.25E-03	1.66E-06	7.04E-07	5.66E-03	1.79E-06	7.59E-07	8.91E-03	2.81E-06	1.19E-06
2769	490460.04, 3859410.04	5.24E-03	1.66E-06	7.02E-07	5.65E-03	1.78E-06	7.57E-07	8.90E-03	2.81E-06	1.19E-06
2770	490510.04, 3859410.04	5.23E-03	1.65E-06	7.01E-07	5.64E-03	1.78E-06	7.55E-07	8.89E-03	2.81E-06	1.19E-06
2771	490560.04, 3859410.04	5.22E-03	1.65E-06	6.98E-07	5.62E-03	1.78E-06	7.53E-07	8.87E-03	2.80E-06	1.19E-06
2772	490610.04, 3859410.04	5.20E-03	1.64E-06	6.96E-07	5.60E-03	1.77E-06	7.50E-07	8.84E-03	2.79E-06	1.18E-06
2773	490660.04, 3859410.04	5.17E-03	1.63E-06	6.92E-07	5.57E-03	1.76E-06	7.46E-07	8.80E-03	2.78E-06	1.18E-06
2774	490710.04, 3859410.04	5.14E-03	1.62E-06	6.88E-07	5.54E-03	1.75E-06	7.42E-07	8.76E-03	2.77E-06	1.17E-06
2775	490760.04, 3859410.04	5.07E-03	1.60E-06	6.78E-07	5.47E-03	1.73E-06	7.32E-07	8.64E-03	2.73E-06	1.16E-06
2776	490810.04, 3859410.04	5.04E-03	1.59E-06	6.75E-07	5.44E-03	1.72E-06	7.28E-07	8.60E-03	2.71E-06	1.15E-06
2777	490860.04, 3859410.04	5.02E-03	1.58E-06	6.72E-07	5.42E-03	1.71E-06	7.25E-07	8.57E-03	2.70E-06	1.15E-06
2778	490360.04, 3859460.04	5.03E-03	1.59E-06	6.74E-07	5.42E-03	1.71E-06	7.26E-07	8.52E-03	2.69E-06	1.14E-06
2779	490410.04, 3859460.04	5.03E-03	1.59E-06	6.74E-07	5.43E-03	1.71E-06	7.27E-07	8.53E-03	2.69E-06	1.14E-06
2780	490460.04, 3859460.04	5.03E-03	1.59E-06	6.74E-07	5.42E-03	1.71E-06	7.26E-07	8.53E-03	2.69E-06	1.14E-06
2781	490510.04, 3859460.04	5.02E-03	1.59E-06	6.73E-07	5.42E-03	1.71E-06	7.25E-07	8.53E-03	2.69E-06	1.14E-06
2782	490560.04, 3859460.04	5.01E-03	1.58E-06	6.72E-07	5.41E-03	1.71E-06	7.24E-07	8.52E-03	2.69E-06	1.14E-06
2783	490610.04, 3859460.04	5.00E-03	1.58E-06	6.70E-07	5.40E-03	1.70E-06	7.22E-07	8.51E-03	2.69E-06	1.14E-06
2784	490660.04, 3859460.04	4.99E-03	1.57E-06	6.68E-07	5.38E-03	1.70E-06	7.20E-07	8.49E-03	2.68E-06	1.14E-06
2785	490710.04, 3859460.04	4.97E-03	1.57E-06	6.65E-07	5.36E-03	1.69E-06	7.18E-07	8.47E-03	2.67E-06	1.13E-06
2786	490760.04, 3859460.04	4.94E-03	1.56E-06	6.62E-07	5.33E-03	1.68E-06	7.14E-07	8.43E-03	2.66E-06	1.13E-06
2787	490810.04, 3859460.04	4.92E-03	1.55E-06	6.59E-07	5.31E-03	1.67E-06	7.11E-07	8.40E-03	2.65E-06	1.12E-06
2788	490860.04, 3859460.04	4.90E-03	1.55E-06	6.56E-07	5.29E-03	1.67E-06	7.08E-07	8.37E-03	2.64E-06	1.12E-06
2789	490360.04, 3859510.04	4.81E-03	1.52E-06	6.44E-07	5.18E-03	1.64E-06	6.94E-07	8.14E-03	2.57E-06	1.09E-06
2790	490410.04, 3859510.04	4.81E-03	1.52E-06	6.45E-07	5.19E-03	1.64E-06	6.95E-07	8.16E-03	2.57E-06	1.09E-06
2791	490460.04, 3859510.04	4.82E-03	1.52E-06	6.45E-07	5.19E-03	1.64E-06	6.96E-07	8.17E-03	2.58E-06	1.09E-06
2792	490510.04, 3859510.04	4.82E-03	1.52E-06	6.45E-07	5.20E-03	1.64E-06	6.96E-07	8.18E-03	2.58E-06	1.10E-06
2793	490560.04, 3859510.04	4.82E-03	1.52E-06	6.45E-07	5.19E-03	1.64E-06	6.95E-07	8.18E-03	2.58E-06	1.10E-06
2794	490610.04, 3859510.04	4.81E-03	1.52E-06	6.44E-07	5.19E-03	1.64E-06	6.95E-07	8.18E-03	2.58E-06	1.10E-06
2795	490660.04, 3859510.04	4.80E-03	1.52E-06	6.43E-07	5.18E-03	1.64E-06	6.94E-07	8.17E-03	2.58E-06	1.09E-06
2796	490710.04, 3859510.04	4.79E-03	1.51E-06	6.42E-07	5.17E-03	1.63E-06	6.92E-07	8.16E-03	2.58E-06	1.09E-06
2797	490760.04, 3859510.04	4.78E-03	1.51E-06	6.40E-07	5.15E-03	1.63E-06	6.90E-07	8.14E-03	2.57E-06	1.09E-06
2798	490810.04, 3859510.04	4.76E-03	1.50E-06	6.38E-07	5.14E-03	1.62E-06	6.88E-07	8.12E-03	2.56E-06	1.09E-06
2799	490860.04, 3859510.04	4.74E-03	1.50E-06	6.35E-07	5.12E-03	1.62E-06	6.85E-07	8.09E-03	2.55E-06	1.08E-06
2800	490360.04, 3859560.04	4.59E-03	1.45E-06	6.15E-07	4.95E-03	1.56E-06	6.63E-07	7.77E-03	2.45E-06	1.04E-06
2801	490410.04, 3859560.04	4.60E-03	1.45E-06	6.16E-07	4.96E-03	1.57E-06	6.64E-07	7.79E-03	2.46E-06	1.04E-06
2802	490460.04, 3859560.04	4.61E-03	1.46E-06	6.17E-07	4.97E-03	1.57E-06	6.66E-07	7.82E-03	2.47E-06	1.05E-06

2803	490510.04, 3859560.04	4.62E-03	1.46E-06	6.18E-07	4.98E-03	1.57E-06	6.67E-07	7.84E-03	2.47E-06	1.05E-06
2804	490560.04, 3859560.04	4.62E-03	1.46E-06	6.19E-07	4.98E-03	1.57E-06	6.67E-07	7.85E-03	2.48E-06	1.05E-06
2805	490610.04, 3859560.04	4.62E-03	1.46E-06	6.19E-07	4.98E-03	1.57E-06	6.67E-07	7.85E-03	2.48E-06	1.05E-06
2806	490660.04, 3859560.04	4.62E-03	1.46E-06	6.19E-07	4.98E-03	1.57E-06	6.67E-07	7.86E-03	2.48E-06	1.05E-06
2807	490710.04, 3859560.04	4.62E-03	1.46E-06	6.18E-07	4.98E-03	1.57E-06	6.67E-07	7.86E-03	2.48E-06	1.05E-06
2808	490760.04, 3859560.04	4.61E-03	1.45E-06	6.17E-07	4.97E-03	1.57E-06	6.66E-07	7.85E-03	2.48E-06	1.05E-06
2809	490810.04, 3859560.04	4.60E-03	1.45E-06	6.16E-07	4.96E-03	1.57E-06	6.64E-07	7.84E-03	2.47E-06	1.05E-06
2810	490860.04, 3859560.04	4.58E-03	1.45E-06	6.14E-07	4.94E-03	1.56E-06	6.62E-07	7.82E-03	2.47E-06	1.05E-06
2811	490187.25, 3859422.08	5.20E-03	1.64E-06	6.97E-07	5.61E-03	1.77E-06	7.51E-07	8.79E-03	2.77E-06	1.18E-06
2812	490237.25, 3859422.08	5.21E-03	1.64E-06	6.97E-07	5.61E-03	1.77E-06	7.52E-07	8.80E-03	2.78E-06	1.18E-06
2813	490287.25, 3859422.08	5.21E-03	1.64E-06	6.98E-07	5.61E-03	1.77E-06	7.52E-07	8.81E-03	2.78E-06	1.18E-06
2814	490337.25, 3859422.08	5.21E-03	1.64E-06	6.98E-07	5.61E-03	1.77E-06	7.52E-07	8.82E-03	2.78E-06	1.18E-06
2815	490187.25, 3859472.08	4.96E-03	1.56E-06	6.64E-07	5.34E-03	1.69E-06	7.15E-07	8.37E-03	2.64E-06	1.12E-06
2816	490237.25, 3859472.08	4.96E-03	1.57E-06	6.65E-07	5.35E-03	1.69E-06	7.16E-07	8.39E-03	2.65E-06	1.12E-06
2817	490287.25, 3859472.08	4.98E-03	1.57E-06	6.66E-07	5.36E-03	1.69E-06	7.18E-07	8.42E-03	2.66E-06	1.13E-06
2818	490337.25, 3859472.08	4.98E-03	1.57E-06	6.67E-07	5.37E-03	1.69E-06	7.18E-07	8.43E-03	2.66E-06	1.13E-06
2819	490297.07, 3859500.42	4.85E-03	1.53E-06	6.49E-07	5.22E-03	1.65E-06	6.99E-07	8.20E-03	2.59E-06	1.10E-06
2820	490327.07, 3859500.42	4.85E-03	1.53E-06	6.49E-07	5.22E-03	1.65E-06	6.99E-07	8.20E-03	2.59E-06	1.10E-06
2821	490297.07, 3859530.42	4.70E-03	1.48E-06	6.30E-07	5.07E-03	1.60E-06	6.79E-07	7.96E-03	2.51E-06	1.07E-06
2822	490327.07, 3859530.42	4.71E-03	1.49E-06	6.31E-07	5.08E-03	1.60E-06	6.80E-07	7.97E-03	2.52E-06	1.07E-06
2823	490319.73, 3859055.34	7.16E-03	2.26E-06	9.59E-07	7.72E-03	2.44E-06	1.03E-06	1.21E-02	3.82E-06	1.62E-06
2824	490319.73, 3859105.34	6.86E-03	2.17E-06	9.19E-07	7.39E-03	2.33E-06	9.90E-07	1.16E-02	3.66E-06	1.55E-06
2825	490069.73, 3859155.34	6.77E-03	2.14E-06	9.07E-07	7.29E-03	2.30E-06	9.76E-07	1.14E-02	3.59E-06	1.52E-06
2826	490119.73, 3859155.34	6.73E-03	2.13E-06	9.02E-07	7.25E-03	2.29E-06	9.71E-07	1.13E-02	3.58E-06	1.52E-06
2827	490269.73, 3859155.34	6.62E-03	2.09E-06	8.86E-07	7.13E-03	2.25E-06	9.55E-07	1.12E-02	3.53E-06	1.50E-06
2828	490319.73, 3859155.34	6.57E-03	2.07E-06	8.80E-07	7.09E-03	2.24E-06	9.49E-07	1.11E-02	3.51E-06	1.49E-06
2829	490069.73, 3859205.34	6.44E-03	2.03E-06	8.63E-07	6.94E-03	2.19E-06	9.29E-07	1.08E-02	3.42E-06	1.45E-06
2830	490119.73, 3859205.34	6.41E-03	2.02E-06	8.59E-07	6.91E-03	2.18E-06	9.25E-07	1.08E-02	3.41E-06	1.45E-06
2831	490169.73, 3859205.34	6.39E-03	2.02E-06	8.55E-07	6.88E-03	2.17E-06	9.21E-07	1.08E-02	3.40E-06	1.44E-06
2832	490219.73, 3859205.34	6.36E-03	2.01E-06	8.52E-07	6.85E-03	2.16E-06	9.18E-07	1.07E-02	3.39E-06	1.44E-06
2833	490269.73, 3859205.34	6.33E-03	2.00E-06	8.48E-07	6.82E-03	2.15E-06	9.14E-07	1.07E-02	3.38E-06	1.43E-06
2834	490319.73, 3859205.34	6.30E-03	1.99E-06	8.43E-07	6.79E-03	2.14E-06	9.09E-07	1.07E-02	3.36E-06	1.43E-06
2835	490069.73, 3859255.34	6.14E-03	1.94E-06	8.22E-07	6.61E-03	2.09E-06	8.85E-07	1.03E-02	3.26E-06	1.38E-06
2836	490119.73, 3859255.34	6.11E-03	1.93E-06	8.19E-07	6.59E-03	2.08E-06	8.82E-07	1.03E-02	3.25E-06	1.38E-06
2837	490169.73, 3859255.34	6.09E-03	1.92E-06	8.16E-07	6.57E-03	2.07E-06	8.79E-07	1.03E-02	3.24E-06	1.38E-06
2838	490219.73, 3859255.34	6.08E-03	1.92E-06	8.14E-07	6.55E-03	2.07E-06	8.77E-07	1.03E-02	3.24E-06	1.37E-06
2839	490269.73, 3859255.34	6.06E-03	1.91E-06	8.11E-07	6.53E-03	2.06E-06	8.74E-07	1.02E-02	3.23E-06	1.37E-06
2840	490319.73, 3859255.34	6.03E-03	1.90E-06	8.08E-07	6.50E-03	2.05E-06	8.71E-07	1.02E-02	3.22E-06	1.37E-06
2841	490069.73, 3859305.34	5.84E-03	1.84E-06	7.82E-07	6.29E-03	1.99E-06	8.43E-07	9.84E-03	3.11E-06	1.32E-06
2842	490119.73, 3859305.34	5.83E-03	1.84E-06	7.80E-07	6.28E-03	1.98E-06	8.41E-07	9.82E-03	3.10E-06	1.32E-06
2843	490169.73, 3859305.34	5.82E-03	1.84E-06	7.79E-07	6.27E-03	1.98E-06	8.39E-07	9.81E-03	3.10E-06	1.31E-06
2844	490219.73, 3859305.34	5.81E-03	1.83E-06	7.77E-07	6.26E-03	1.97E-06	8.38E-07	9.81E-03	3.10E-06	1.31E-06
2845	490269.73, 3859305.34	5.79E-03	1.83E-06	7.76E-07	6.24E-03	1.97E-06	8.36E-07	9.80E-03	3.09E-06	1.31E-06
2846	490319.73, 3859305.34	5.78E-03	1.82E-06	7.74E-07	6.23E-03	1.97E-06	8.34E-07	9.78E-03	3.09E-06	1.31E-06
2847	490069.73, 3859355.34	5.56E-03	1.75E-06	7.44E-07	5.99E-03	1.89E-06	8.02E-07	9.36E-03	2.95E-06	1.25E-06
2848	490119.73, 3859355.34	5.55E-03	1.75E-06	7.43E-07	5.98E-03	1.89E-06	8.01E-07	9.36E-03	2.95E-06	1.25E-06
2849	490169.73, 3859355.34	5.55E-03	1.75E-06	7.43E-07	5.97E-03	1.89E-06	8.00E-07	9.36E-03	2.95E-06	1.25E-06
2850	490219.73, 3859355.34	5.54E-03	1.75E-06	7.42E-07	5.97E-03	1.89E-06	8.00E-07	9.37E-03	2.96E-06	1.25E-06
2851	490269.73, 3859355.34	5.54E-03	1.75E-06	7.41E-07	5.97E-03	1.88E-06	7.99E-07	9.36E-03	2.96E-06	1.25E-06
2852	490319.73, 3859355.34	5.53E-03	1.75E-06	7.40E-07	5.96E-03	1.88E-06	7.98E-07	9.36E-03	2.96E-06	1.25E-06
2853	490069.73, 3859405.34	5.28E-03	1.67E-06	7.07E-07	5.69E-03	1.79E-06	7.62E-07	8.90E-03	2.81E-06	1.19E-06
2854	490119.73, 3859405.34	5.28E-03	1.67E-06	7.07E-07	5.69E-03	1.80E-06	7.62E-07	8.91E-03	2.81E-06	1.19E-06
2855	490169.73, 3859405.34	5.29E-03	1.67E-06	7.08E-07	5.70E-03	1.80E-06	7.63E-07	8.92E-03	2.82E-06	1.19E-06
2856	490219.73, 3859405.34	5.29E-03	1.67E-06	7.08E-07	5.70E-03	1.80E-06	7.63E-07	8.94E-03	2.82E-06	1.20E-06
2857	490269.73, 3859405.34	5.29E-03	1.67E-06	7.09E-07	5.70E-03	1.80E-06	7.64E-07	8.95E-03	2.82E-06	1.20E-06
2858	490319.73, 3859405.34	5.29E-03	1.67E-06	7.08E-07	5.70E-03	1.80E-06	7.63E-07	8.96E-03	2.83E-06	1.20E-06
2859	490161.89, 3859541.83	4.61E-03	1.46E-06	6.18E-07	4.97E-03	1.57E-06	6.66E-07	7.79E-03	2.46E-06	1.04E-06
2860	490171.89, 3859541.83	4.62E-03	1.46E-06	6.18E-07	4.98E-03	1.57E-06	6.66E-07	7.80E-03	2.46E-06	1.04E-06
2861	490161.89, 3859551.83	4.57E-03	1.44E-06	6.12E-07	4.92E-03	1.55E-06	6.59E-07	7.72E-03	2.44E-06	1.03E-06
2862	490171.89, 3859551.83	4.57E-03	1.44E-06	6.12E-07	4.93E-03	1.55E-06	6.60E-07	7.72E-03	2.44E-06	1.03E-06
2863	489799.72, 3859348.21	5.58E-03	1.76E-06	7.47E-07	6.00E-03	1.89E-06	8.04E-07	9.36E-03	2.95E-06	1.25E-06

2864	489819.72, 3859348.21	5.58E-03	1.76E-06	7.47E-07	6.01E-03	1.90E-06	8.05E-07	9.36E-03	2.96E-06	1.25E-06
2865	489799.72, 3859368.21	5.45E-03	1.72E-06	7.30E-07	5.87E-03	1.85E-06	7.86E-07	9.15E-03	2.89E-06	1.22E-06
2866	489819.72, 3859368.21	5.46E-03	1.72E-06	7.31E-07	5.87E-03	1.85E-06	7.87E-07	9.16E-03	2.89E-06	1.23E-06
2867	489775.41, 3859329.72	5.69E-03	1.80E-06	7.62E-07	6.12E-03	1.93E-06	8.20E-07	9.53E-03	3.01E-06	1.28E-06
2868	489795.41, 3859329.72	5.69E-03	1.80E-06	7.62E-07	6.13E-03	1.93E-06	8.21E-07	9.54E-03	3.01E-06	1.28E-06
2869	489775.41, 3859349.72	5.56E-03	1.75E-06	7.44E-07	5.98E-03	1.89E-06	8.01E-07	9.32E-03	2.94E-06	1.25E-06
2870	489795.41, 3859349.72	5.57E-03	1.76E-06	7.45E-07	5.99E-03	1.89E-06	8.02E-07	9.34E-03	2.95E-06	1.25E-06
2871	489595.05, 3859219.43	6.47E-03	2.04E-06	8.66E-07	6.96E-03	2.20E-06	9.32E-07	1.08E-02	3.40E-06	1.44E-06
2872	489615.05, 3859219.43	6.47E-03	2.04E-06	8.67E-07	6.96E-03	2.20E-06	9.32E-07	1.08E-02	3.40E-06	1.44E-06
2873	489595.05, 3859239.43	6.30E-03	1.99E-06	8.44E-07	6.78E-03	2.14E-06	9.08E-07	1.05E-02	3.31E-06	1.41E-06
2874	489615.05, 3859239.43	6.31E-03	1.99E-06	8.45E-07	6.79E-03	2.14E-06	9.09E-07	1.05E-02	3.32E-06	1.41E-06
2875	489372.4, 3859092.58	7.75E-03	2.45E-06	1.04E-06	8.32E-03	2.63E-06	1.11E-06	1.27E-02	4.00E-06	1.70E-06
2876	489422.4, 3859092.58	7.73E-03	2.44E-06	1.04E-06	8.30E-03	2.62E-06	1.11E-06	1.27E-02	4.00E-06	1.70E-06
2877	489372.4, 3859142.58	7.17E-03	2.26E-06	9.60E-07	7.70E-03	2.43E-06	1.03E-06	1.18E-02	3.72E-06	1.58E-06
2878	489422.4, 3859142.58	7.18E-03	2.26E-06	9.61E-07	7.71E-03	2.43E-06	1.03E-06	1.18E-02	3.73E-06	1.58E-06
2879	488870.84, 3858666.64	1.76E-02	5.56E-06	2.36E-06	1.88E-02	5.93E-06	2.52E-06	2.73E-02	8.62E-06	3.66E-06
2880	488900.84, 3858666.64	1.73E-02	5.45E-06	2.31E-06	1.84E-02	5.82E-06	2.47E-06	2.69E-02	8.49E-06	3.60E-06
2881	488870.84, 3858696.64	1.75E-02	5.52E-06	2.34E-06	1.86E-02	5.88E-06	2.49E-06	2.66E-02	8.39E-06	3.56E-06
2882	488900.84, 3858696.64	1.71E-02	5.40E-06	2.29E-06	1.82E-02	5.75E-06	2.44E-06	2.62E-02	8.26E-06	3.50E-06
2883	488889.67, 3858683.97	1.73E-02	5.46E-06	2.32E-06	1.84E-02	5.82E-06	2.47E-06	2.66E-02	8.40E-06	3.56E-06
2884	488919.67, 3858683.97	1.69E-02	5.34E-06	2.27E-06	1.81E-02	5.70E-06	2.42E-06	2.62E-02	8.27E-06	3.51E-06
2885	488889.67, 3858713.97	1.72E-02	5.43E-06	2.31E-06	1.83E-02	5.78E-06	2.45E-06	2.60E-02	8.20E-06	3.48E-06
2886	488919.67, 3858713.97	1.68E-02	5.30E-06	2.25E-06	1.79E-02	5.64E-06	2.40E-06	2.56E-02	8.06E-06	3.42E-06
2887	488906.61, 3858703.33	1.70E-02	5.37E-06	2.28E-06	1.81E-02	5.71E-06	2.42E-06	2.59E-02	8.19E-06	3.47E-06
2888	488936.61, 3858703.33	1.66E-02	5.25E-06	2.23E-06	1.77E-02	5.59E-06	2.37E-06	2.55E-02	8.06E-06	3.42E-06
2889	488906.61, 3858733.33	1.70E-02	5.36E-06	2.27E-06	1.80E-02	5.70E-06	2.42E-06	2.54E-02	8.02E-06	3.40E-06
2890	488936.61, 3858733.33	1.66E-02	5.22E-06	2.22E-06	1.76E-02	5.56E-06	2.36E-06	2.50E-02	7.88E-06	3.34E-06
2891	488637.63, 3858467.85	2.47E-02	7.81E-06	3.31E-06	2.66E-02	8.40E-06	3.57E-06	4.13E-02	1.30E-05	5.54E-06
2892	488662.63, 3858467.85	2.42E-02	7.64E-06	3.24E-06	2.61E-02	8.22E-06	3.49E-06	4.05E-02	1.28E-05	5.42E-06
2893	488637.63, 3858492.85	2.40E-02	7.57E-06	3.21E-06	2.58E-02	8.13E-06	3.45E-06	3.96E-02	1.25E-05	5.31E-06
2894	488662.63, 3858492.85	2.35E-02	7.41E-06	3.15E-06	2.52E-02	7.97E-06	3.38E-06	3.89E-02	1.23E-05	5.20E-06
2895	488687.63, 3858492.85	2.30E-02	7.27E-06	3.08E-06	2.48E-02	7.82E-06	3.32E-06	3.82E-02	1.20E-05	5.11E-06
2896	488637.63, 3858517.85	2.33E-02	7.34E-06	3.12E-06	2.50E-02	7.88E-06	3.34E-06	3.79E-02	1.20E-05	5.08E-06
2897	488662.63, 3858517.85	2.28E-02	7.20E-06	3.05E-06	2.45E-02	7.73E-06	3.28E-06	3.73E-02	1.18E-05	4.99E-06
2898	488687.63, 3858517.85	2.24E-02	7.06E-06	3.00E-06	2.40E-02	7.58E-06	3.22E-06	3.66E-02	1.16E-05	4.90E-06
2899	488194.42, 3857168.98	2.98E-02	9.40E-06	3.99E-06	3.22E-02	1.02E-05	4.31E-06	5.17E-02	1.63E-05	6.92E-06
2900	488244.42, 3857168.98	2.91E-02	9.20E-06	3.90E-06	3.15E-02	9.94E-06	4.22E-06	5.06E-02	1.60E-05	6.77E-06
2901	488294.42, 3857168.98	2.85E-02	8.99E-06	3.82E-06	3.08E-02	9.72E-06	4.12E-06	4.94E-02	1.56E-05	6.62E-06
2902	488244.42, 3857218.98	2.98E-02	9.41E-06	3.99E-06	3.22E-02	1.02E-05	4.32E-06	5.18E-02	1.63E-05	6.94E-06
2903	488294.42, 3857218.98	2.91E-02	9.20E-06	3.90E-06	3.15E-02	9.95E-06	4.22E-06	5.06E-02	1.60E-05	6.78E-06
2904	488294.42, 3857268.98	2.98E-02	9.41E-06	3.99E-06	3.22E-02	1.02E-05	4.32E-06	5.18E-02	1.64E-05	6.94E-06
2905	488139.13, 3857111.68	2.97E-02	9.37E-06	3.98E-06	3.21E-02	1.01E-05	4.30E-06	5.15E-02	1.63E-05	6.90E-06
2906	488189.13, 3857111.68	2.91E-02	9.18E-06	3.89E-06	3.14E-02	9.92E-06	4.21E-06	5.04E-02	1.59E-05	6.75E-06
2907	488189.13, 3857161.68	2.98E-02	9.39E-06	3.99E-06	3.22E-02	1.02E-05	4.31E-06	5.16E-02	1.63E-05	6.92E-06
2908	487951.04, 3856961.26	2.96E-02	9.33E-06	3.96E-06	3.20E-02	1.01E-05	4.28E-06	5.12E-02	1.62E-05	6.85E-06
2909	488001.04, 3856961.26	2.90E-02	9.15E-06	3.88E-06	3.13E-02	9.88E-06	4.19E-06	5.01E-02	1.58E-05	6.71E-06
2910	488051.04, 3856961.26	2.83E-02	8.95E-06	3.80E-06	3.06E-02	9.67E-06	4.10E-06	4.90E-02	1.55E-05	6.57E-06
2911	488101.04, 3856961.26	2.79E-02	8.80E-06	3.73E-06	3.01E-02	9.51E-06	4.03E-06	4.82E-02	1.52E-05	6.46E-06
2912	487951.04, 3857011.26	3.05E-02	9.62E-06	4.08E-06	3.29E-02	1.04E-05	4.41E-06	5.28E-02	1.66E-05	7.06E-06
2913	488001.04, 3857011.26	2.98E-02	9.39E-06	3.98E-06	3.22E-02	1.01E-05	4.31E-06	5.15E-02	1.63E-05	6.90E-06
2914	488051.04, 3857011.26	2.91E-02	9.18E-06	3.90E-06	3.14E-02	9.92E-06	4.21E-06	5.04E-02	1.59E-05	6.74E-06
2915	488101.04, 3857011.26	2.86E-02	9.02E-06	3.83E-06	3.09E-02	9.75E-06	4.14E-06	4.95E-02	1.56E-05	6.62E-06
2916	488001.04, 3857061.26	3.06E-02	9.66E-06	4.10E-06	3.31E-02	1.04E-05	4.43E-06	5.30E-02	1.67E-05	7.10E-06
2917	488051.04, 3857061.26	2.99E-02	9.45E-06	4.01E-06	3.24E-02	1.02E-05	4.33E-06	5.18E-02	1.64E-05	6.94E-06
2918	488101.04, 3857061.26	2.93E-02	9.26E-06	3.93E-06	3.17E-02	1.00E-05	4.24E-06	5.08E-02	1.60E-05	6.80E-06
2919	487638.98, 3856673.79	2.80E-02	8.83E-06	3.75E-06	3.02E-02	9.54E-06	4.05E-06	4.83E-02	1.52E-05	6.47E-06
2920	487688.98, 3856673.79	2.75E-02	8.68E-06	3.68E-06	2.97E-02	9.38E-06	3.98E-06	4.75E-02	1.50E-05	6.36E-06
2921	487638.98, 3856723.79	2.89E-02	9.14E-06	3.88E-06	3.13E-02	9.87E-06	4.19E-06	5.00E-02	1.58E-05	6.70E-06
2922	487688.98, 3856723.79	2.84E-02	8.96E-06	3.80E-06	3.07E-02	9.68E-06	4.11E-06	4.91E-02	1.55E-05	6.57E-06
2923	486324.61, 3855740.57	2.30E-02	7.25E-06	3.08E-06	2.48E-02	7.83E-06	3.32E-06	3.92E-02	1.24E-05	5.25E-06
2924	486374.61, 3855740.57	2.18E-02	6.88E-06	2.92E-06	2.35E-02	7.42E-06	3.15E-06	3.72E-02	1.17E-05	4.98E-06

2925	486424.61, 3855740.57	2.12E-02	6.68E-06	2.83E-06	2.28E-02	7.20E-06	3.06E-06	3.61E-02	1.14E-05	4.84E-06
2926	486324.61, 3855790.57	2.38E-02	7.51E-06	3.19E-06	2.57E-02	8.11E-06	3.44E-06	4.07E-02	1.28E-05	5.45E-06
2927	486374.61, 3855790.57	2.27E-02	7.15E-06	3.03E-06	2.44E-02	7.72E-06	3.27E-06	3.87E-02	1.22E-05	5.18E-06
2928	486424.61, 3855790.57	2.22E-02	7.00E-06	2.97E-06	2.39E-02	7.56E-06	3.21E-06	3.79E-02	1.20E-05	5.08E-06
2929	486324.61, 3855840.57	2.46E-02	7.77E-06	3.30E-06	2.66E-02	8.38E-06	3.56E-06	4.21E-02	1.33E-05	5.64E-06
2930	486374.61, 3855840.57	2.40E-02	7.58E-06	3.21E-06	2.59E-02	8.18E-06	3.47E-06	4.11E-02	1.30E-05	5.50E-06
2931	486424.61, 3855840.57	2.33E-02	7.34E-06	3.12E-06	2.51E-02	7.93E-06	3.36E-06	3.98E-02	1.26E-05	5.33E-06
2932	486324.61, 3855890.57	2.60E-02	8.22E-06	3.49E-06	2.81E-02	8.87E-06	3.77E-06	4.46E-02	1.41E-05	5.97E-06
2933	486374.61, 3855890.57	2.53E-02	7.98E-06	3.39E-06	2.73E-02	8.62E-06	3.66E-06	4.33E-02	1.37E-05	5.80E-06
2934	486424.61, 3855890.57	2.44E-02	7.71E-06	3.27E-06	2.64E-02	8.33E-06	3.53E-06	4.19E-02	1.32E-05	5.61E-06
2935	488735.69, 3858285.64	2.71E-02	8.57E-06	3.63E-06	2.93E-02	9.26E-06	3.93E-06	4.70E-02	1.48E-05	6.29E-06
2936	488765.69, 3858285.64	2.65E-02	8.35E-06	3.54E-06	2.86E-02	9.03E-06	3.83E-06	4.58E-02	1.44E-05	6.13E-06
2937	488735.69, 3858315.64	2.66E-02	8.40E-06	3.56E-06	2.87E-02	9.07E-06	3.85E-06	4.59E-02	1.45E-05	6.15E-06
2938	488765.69, 3858315.64	2.59E-02	8.19E-06	3.47E-06	2.80E-02	8.85E-06	3.75E-06	4.48E-02	1.41E-05	6.00E-06
2939	478676.63, 3849871.93	6.40E-04	2.02E-07	8.57E-08	6.90E-04	2.18E-07	9.24E-08	1.09E-03	3.45E-07	1.46E-07
2940	479326.63, 3849871.93	6.10E-04	1.92E-07	8.16E-08	6.58E-04	2.08E-07	8.81E-08	1.04E-03	3.29E-07	1.39E-07
2941	479376.63, 3849871.93	5.99E-04	1.89E-07	8.03E-08	6.47E-04	2.04E-07	8.66E-08	1.02E-03	3.23E-07	1.37E-07
2942	479426.63, 3849871.93	5.92E-04	1.87E-07	7.93E-08	6.39E-04	2.02E-07	8.55E-08	1.01E-03	3.19E-07	1.35E-07
2943	478726.63, 3849921.93	6.51E-04	2.05E-07	8.71E-08	7.02E-04	2.22E-07	9.40E-08	1.11E-03	3.51E-07	1.49E-07
2944	478776.63, 3849921.93	6.60E-04	2.08E-07	8.84E-08	7.12E-04	2.25E-07	9.54E-08	1.13E-03	3.56E-07	1.51E-07
2945	478826.63, 3849921.93	6.67E-04	2.11E-07	8.94E-08	7.20E-04	2.27E-07	9.64E-08	1.14E-03	3.60E-07	1.53E-07
2946	478976.63, 3849921.93	6.78E-04	2.14E-07	9.07E-08	7.31E-04	2.31E-07	9.79E-08	1.16E-03	3.66E-07	1.55E-07
2947	479026.63, 3849921.93	6.83E-04	2.15E-07	9.14E-08	7.37E-04	2.32E-07	9.86E-08	1.17E-03	3.68E-07	1.56E-07
2948	479076.63, 3849921.93	6.82E-04	2.15E-07	9.13E-08	7.36E-04	2.32E-07	9.86E-08	1.17E-03	3.68E-07	1.56E-07
2949	479126.63, 3849921.93	6.79E-04	2.14E-07	9.09E-08	7.32E-04	2.31E-07	9.81E-08	1.16E-03	3.66E-07	1.55E-07
2950	479176.63, 3849921.93	6.76E-04	2.13E-07	9.06E-08	7.30E-04	2.30E-07	9.77E-08	1.16E-03	3.65E-07	1.55E-07
2951	479226.63, 3849921.93	6.62E-04	2.09E-07	8.87E-08	7.14E-04	2.26E-07	9.57E-08	1.13E-03	3.57E-07	1.52E-07
2952	479276.63, 3849921.93	6.37E-04	2.01E-07	8.53E-08	6.87E-04	2.17E-07	9.20E-08	1.09E-03	3.44E-07	1.46E-07
2953	479326.63, 3849921.93	6.49E-04	2.05E-07	8.69E-08	7.00E-04	2.21E-07	9.37E-08	1.11E-03	3.50E-07	1.48E-07
2954	479376.63, 3849921.93	6.22E-04	1.96E-07	8.32E-08	6.71E-04	2.12E-07	8.98E-08	1.06E-03	3.35E-07	1.42E-07
2955	479426.63, 3849921.93	6.25E-04	1.97E-07	8.37E-08	6.74E-04	2.13E-07	9.03E-08	1.07E-03	3.37E-07	1.43E-07
2956	478726.63, 3849971.93	6.50E-04	2.05E-07	8.71E-08	7.01E-04	2.21E-07	9.39E-08	1.11E-03	3.50E-07	1.49E-07
2957	478776.63, 3849971.93	6.61E-04	2.09E-07	8.85E-08	7.13E-04	2.25E-07	9.55E-08	1.13E-03	3.56E-07	1.51E-07
2958	478826.63, 3849971.93	6.70E-04	2.12E-07	8.98E-08	7.23E-04	2.28E-07	9.68E-08	1.15E-03	3.61E-07	1.53E-07
2959	478976.63, 3849971.93	6.92E-04	2.19E-07	9.27E-08	7.47E-04	2.36E-07	1.00E-07	1.18E-03	3.74E-07	1.58E-07
2960	479026.63, 3849971.93	6.94E-04	2.19E-07	9.30E-08	7.49E-04	2.36E-07	1.00E-07	1.19E-03	3.74E-07	1.59E-07
2961	479076.63, 3849971.93	6.94E-04	2.19E-07	9.29E-08	7.49E-04	2.36E-07	1.00E-07	1.19E-03	3.74E-07	1.59E-07
2962	479126.63, 3849971.93	6.94E-04	2.19E-07	9.29E-08	7.49E-04	2.36E-07	1.00E-07	1.19E-03	3.74E-07	1.59E-07
2963	479176.63, 3849971.93	6.91E-04	2.18E-07	9.26E-08	7.46E-04	2.35E-07	9.99E-08	1.18E-03	3.73E-07	1.58E-07
2964	479226.63, 3849971.93	6.64E-04	2.10E-07	8.89E-08	7.16E-04	2.26E-07	9.59E-08	1.13E-03	3.58E-07	1.52E-07
2965	479276.63, 3849971.93	6.74E-04	2.13E-07	9.03E-08	7.27E-04	2.30E-07	9.74E-08	1.15E-03	3.64E-07	1.54E-07
2966	479326.63, 3849971.93	6.78E-04	2.14E-07	9.08E-08	7.31E-04	2.31E-07	9.79E-08	1.16E-03	3.66E-07	1.55E-07
2967	479376.63, 3849971.93	6.53E-04	2.06E-07	8.74E-08	7.04E-04	2.22E-07	9.43E-08	1.11E-03	3.52E-07	1.49E-07
2968	479426.63, 3849971.93	6.48E-04	2.05E-07	8.68E-08	7.00E-04	2.21E-07	9.37E-08	1.11E-03	3.49E-07	1.48E-07
2969	478726.63, 3850021.93	6.48E-04	2.05E-07	8.68E-08	6.99E-04	2.21E-07	9.36E-08	1.11E-03	3.49E-07	1.48E-07
2970	478776.63, 3850021.93	6.60E-04	2.08E-07	8.84E-08	7.12E-04	2.25E-07	9.54E-08	1.13E-03	3.56E-07	1.51E-07
2971	478826.63, 3850021.93	6.72E-04	2.12E-07	9.00E-08	7.25E-04	2.29E-07	9.71E-08	1.15E-03	3.62E-07	1.54E-07
2972	478976.63, 3850021.93	6.99E-04	2.21E-07	9.36E-08	7.54E-04	2.38E-07	1.01E-07	1.19E-03	3.77E-07	1.60E-07
2973	478726.63, 3850071.93	6.44E-04	2.03E-07	8.62E-08	6.95E-04	2.19E-07	9.30E-08	1.10E-03	3.47E-07	1.47E-07
2974	478776.63, 3850071.93	6.58E-04	2.08E-07	8.82E-08	7.10E-04	2.24E-07	9.51E-08	1.12E-03	3.55E-07	1.50E-07
2975	478826.63, 3850071.93	6.72E-04	2.12E-07	8.99E-08	7.24E-04	2.29E-07	9.70E-08	1.15E-03	3.62E-07	1.54E-07
2976	478876.63, 3850071.93	6.84E-04	2.16E-07	9.15E-08	7.38E-04	2.33E-07	9.88E-08	1.17E-03	3.68E-07	1.56E-07
2977	478976.63, 3850071.93	7.04E-04	2.22E-07	9.43E-08	7.60E-04	2.40E-07	1.02E-07	1.20E-03	3.80E-07	1.61E-07
2978	478726.63, 3850121.93	6.39E-04	2.02E-07	8.55E-08	6.89E-04	2.17E-07	9.23E-08	1.09E-03	3.43E-07	1.46E-07
2979	478776.63, 3850121.93	6.55E-04	2.07E-07	8.77E-08	7.07E-04	2.23E-07	9.46E-08	1.12E-03	3.53E-07	1.50E-07
2980	478826.63, 3850121.93	6.70E-04	2.11E-07	8.97E-08	7.22E-04	2.28E-07	9.67E-08	1.14E-03	3.61E-07	1.53E-07
2981	478876.63, 3850121.93	6.83E-04	2.15E-07	9.14E-08	7.36E-04	2.32E-07	9.86E-08	1.17E-03	3.68E-07	1.56E-07
2982	478976.63, 3850121.93	7.07E-04	2.23E-07	9.47E-08	7.63E-04	2.41E-07	1.02E-07	1.21E-03	3.81E-07	1.62E-07
2983	479026.63, 3850121.93	7.17E-04	2.26E-07	9.60E-08	7.74E-04	2.44E-07	1.04E-07	1.23E-03	3.87E-07	1.64E-07
2984	479076.63, 3850121.93	7.24E-04	2.28E-07	9.69E-08	7.81E-04	2.46E-07	1.05E-07	1.24E-03	3.90E-07	1.66E-07
2985	479126.63, 3850121.93	7.29E-04	2.30E-07	9.76E-08	7.87E-04	2.48E-07	1.05E-07	1.25E-03	3.93E-07	1.67E-07

2986	478776.63, 3850171.93	6.49E-04	2.05E-07	8.70E-08	7.01E-04	2.21E-07	9.38E-08	1.11E-03	3.49E-07	1.48E-07
2987	478826.63, 3850171.93	6.65E-04	2.10E-07	8.91E-08	7.18E-04	2.27E-07	9.61E-08	1.13E-03	3.58E-07	1.52E-07
2988	478876.63, 3850171.93	6.80E-04	2.15E-07	9.11E-08	7.34E-04	2.32E-07	9.83E-08	1.16E-03	3.66E-07	1.55E-07
2989	478976.63, 3850171.93	7.09E-04	2.24E-07	9.49E-08	7.64E-04	2.41E-07	1.02E-07	1.21E-03	3.82E-07	1.62E-07
2990	479026.63, 3850171.93	7.21E-04	2.27E-07	9.65E-08	7.78E-04	2.45E-07	1.04E-07	1.23E-03	3.89E-07	1.65E-07
2991	479076.63, 3850171.93	7.30E-04	2.30E-07	9.77E-08	7.87E-04	2.48E-07	1.05E-07	1.25E-03	3.93E-07	1.67E-07
2992	479126.63, 3850171.93	7.37E-04	2.33E-07	9.87E-08	7.95E-04	2.51E-07	1.06E-07	1.26E-03	3.97E-07	1.69E-07
2993	479176.63, 3850171.93	7.44E-04	2.35E-07	9.96E-08	8.03E-04	2.53E-07	1.07E-07	1.27E-03	4.01E-07	1.70E-07
2994	479226.63, 3850171.93	7.51E-04	2.37E-07	1.01E-07	8.11E-04	2.56E-07	1.09E-07	1.28E-03	4.05E-07	1.72E-07
2995	479276.63, 3850171.93	7.57E-04	2.39E-07	1.01E-07	8.17E-04	2.58E-07	1.09E-07	1.29E-03	4.08E-07	1.73E-07
2996	479326.63, 3850171.93	7.56E-04	2.39E-07	1.01E-07	8.16E-04	2.58E-07	1.09E-07	1.29E-03	4.08E-07	1.73E-07
2997	479376.63, 3850171.93	7.53E-04	2.38E-07	1.01E-07	8.12E-04	2.56E-07	1.09E-07	1.29E-03	4.06E-07	1.72E-07
2998	478676.63, 3850221.93	6.04E-04	1.91E-07	8.09E-08	6.51E-04	2.06E-07	8.72E-08	1.03E-03	3.24E-07	1.37E-07
2999	478726.63, 3850221.93	6.24E-04	1.97E-07	8.36E-08	6.73E-04	2.12E-07	9.01E-08	1.06E-03	3.35E-07	1.42E-07
3000	478976.63, 3850221.93	7.08E-04	2.24E-07	9.48E-08	7.64E-04	2.41E-07	1.02E-07	1.21E-03	3.81E-07	1.62E-07
3001	479026.63, 3850221.93	7.22E-04	2.28E-07	9.67E-08	7.79E-04	2.46E-07	1.04E-07	1.23E-03	3.89E-07	1.65E-07
3002	479076.63, 3850221.93	7.33E-04	2.31E-07	9.81E-08	7.91E-04	2.50E-07	1.06E-07	1.25E-03	3.95E-07	1.68E-07
3003	479126.63, 3850221.93	7.43E-04	2.34E-07	9.95E-08	8.01E-04	2.53E-07	1.07E-07	1.27E-03	4.01E-07	1.70E-07
3004	479176.63, 3850221.93	7.52E-04	2.37E-07	1.01E-07	8.12E-04	2.56E-07	1.09E-07	1.29E-03	4.06E-07	1.72E-07
3005	479226.63, 3850221.93	7.60E-04	2.40E-07	1.02E-07	8.20E-04	2.59E-07	1.10E-07	1.30E-03	4.10E-07	1.74E-07
3006	479276.63, 3850221.93	7.67E-04	2.42E-07	1.03E-07	8.27E-04	2.61E-07	1.11E-07	1.31E-03	4.14E-07	1.75E-07
3007	479326.63, 3850221.93	7.68E-04	2.42E-07	1.03E-07	8.28E-04	2.61E-07	1.11E-07	1.31E-03	4.14E-07	1.76E-07
3008	479376.63, 3850221.93	7.68E-04	2.42E-07	1.03E-07	8.28E-04	2.61E-07	1.11E-07	1.31E-03	4.14E-07	1.76E-07
3009	478676.63, 3850271.93	5.95E-04	1.88E-07	7.97E-08	6.41E-04	2.02E-07	8.59E-08	1.01E-03	3.19E-07	1.35E-07
3010	478726.63, 3850271.93	6.15E-04	1.94E-07	8.24E-08	6.63E-04	2.09E-07	8.88E-08	1.05E-03	3.30E-07	1.40E-07
3011	478976.63, 3850271.93	7.05E-04	2.23E-07	9.44E-08	7.61E-04	2.40E-07	1.02E-07	1.20E-03	3.79E-07	1.61E-07
3012	479026.63, 3850271.93	7.21E-04	2.28E-07	9.66E-08	7.78E-04	2.46E-07	1.04E-07	1.23E-03	3.88E-07	1.65E-07
3013	479076.63, 3850271.93	7.35E-04	2.32E-07	9.84E-08	7.93E-04	2.50E-07	1.06E-07	1.25E-03	3.96E-07	1.68E-07
3014	479126.63, 3850271.93	7.47E-04	2.36E-07	1.00E-07	8.06E-04	2.54E-07	1.08E-07	1.27E-03	4.02E-07	1.71E-07
3015	479176.63, 3850271.93	7.58E-04	2.39E-07	1.01E-07	8.17E-04	2.58E-07	1.09E-07	1.29E-03	4.08E-07	1.73E-07
3016	479226.63, 3850271.93	7.67E-04	2.42E-07	1.03E-07	8.28E-04	2.61E-07	1.11E-07	1.31E-03	4.14E-07	1.76E-07
3017	479276.63, 3850271.93	7.74E-04	2.44E-07	1.04E-07	8.35E-04	2.64E-07	1.12E-07	1.32E-03	4.17E-07	1.77E-07
3018	479326.63, 3850271.93	7.77E-04	2.45E-07	1.04E-07	8.39E-04	2.65E-07	1.12E-07	1.33E-03	4.19E-07	1.78E-07
3019	479376.63, 3850271.93	7.78E-04	2.45E-07	1.04E-07	8.39E-04	2.65E-07	1.12E-07	1.33E-03	4.19E-07	1.78E-07
3020	479053.24, 3850293.52	7.28E-04	2.30E-07	9.75E-08	7.86E-04	2.48E-07	1.05E-07	1.24E-03	3.92E-07	1.66E-07
3021	479103.24, 3850293.52	7.42E-04	2.34E-07	9.94E-08	8.00E-04	2.53E-07	1.07E-07	1.27E-03	4.00E-07	1.70E-07
3022	479153.24, 3850293.52	7.54E-04	2.38E-07	1.01E-07	8.13E-04	2.57E-07	1.09E-07	1.29E-03	4.06E-07	1.72E-07
3023	479203.24, 3850293.52	7.65E-04	2.41E-07	1.02E-07	8.25E-04	2.61E-07	1.11E-07	1.31E-03	4.12E-07	1.75E-07
3024	479253.24, 3850293.52	7.74E-04	2.44E-07	1.04E-07	8.35E-04	2.63E-07	1.12E-07	1.32E-03	4.17E-07	1.77E-07
3025	479303.24, 3850293.52	7.79E-04	2.46E-07	1.04E-07	8.41E-04	2.65E-07	1.13E-07	1.33E-03	4.20E-07	1.78E-07
3026	479353.24, 3850293.52	7.82E-04	2.47E-07	1.05E-07	8.44E-04	2.66E-07	1.13E-07	1.34E-03	4.22E-07	1.79E-07
3027	479153.24, 3850343.52	7.55E-04	2.38E-07	1.01E-07	8.15E-04	2.57E-07	1.09E-07	1.29E-03	4.07E-07	1.73E-07
3028	479203.24, 3850343.52	7.68E-04	2.42E-07	1.03E-07	8.29E-04	2.62E-07	1.11E-07	1.31E-03	4.14E-07	1.76E-07
3029	479253.24, 3850343.52	7.78E-04	2.45E-07	1.04E-07	8.39E-04	2.65E-07	1.12E-07	1.33E-03	4.19E-07	1.78E-07
3030	479303.24, 3850343.52	7.85E-04	2.48E-07	1.05E-07	8.47E-04	2.67E-07	1.13E-07	1.34E-03	4.23E-07	1.80E-07
3031	479353.24, 3850343.52	7.90E-04	2.49E-07	1.06E-07	8.52E-04	2.69E-07	1.14E-07	1.35E-03	4.26E-07	1.81E-07
3032	479203.24, 3850393.52	7.68E-04	2.42E-07	1.03E-07	8.29E-04	2.62E-07	1.11E-07	1.31E-03	4.14E-07	1.76E-07
3033	479253.24, 3850393.52	7.80E-04	2.46E-07	1.04E-07	8.41E-04	2.66E-07	1.13E-07	1.33E-03	4.20E-07	1.78E-07
3034	479303.24, 3850393.52	7.89E-04	2.49E-07	1.06E-07	8.51E-04	2.69E-07	1.14E-07	1.35E-03	4.25E-07	1.80E-07
3035	479353.24, 3850393.52	7.96E-04	2.51E-07	1.07E-07	8.59E-04	2.71E-07	1.15E-07	1.36E-03	4.29E-07	1.82E-07
3036	479403.24, 3850393.52	8.01E-04	2.53E-07	1.07E-07	8.65E-04	2.73E-07	1.16E-07	1.37E-03	4.32E-07	1.83E-07
3037	479453.24, 3850393.52	8.03E-04	2.53E-07	1.08E-07	8.67E-04	2.73E-07	1.16E-07	1.37E-03	4.33E-07	1.84E-07
3038	479503.24, 3850393.52	8.01E-04	2.53E-07	1.07E-07	8.65E-04	2.73E-07	1.16E-07	1.37E-03	4.32E-07	1.83E-07
3039	479303.24, 3850443.52	7.91E-04	2.50E-07	1.06E-07	8.53E-04	2.69E-07	1.14E-07	1.35E-03	4.26E-07	1.81E-07
3040	479353.24, 3850443.52	8.00E-04	2.52E-07	1.07E-07	8.63E-04	2.72E-07	1.16E-07	1.37E-03	4.31E-07	1.83E-07
3041	479403.24, 3850443.52	8.06E-04	2.54E-07	1.08E-07	8.70E-04	2.75E-07	1.16E-07	1.38E-03	4.35E-07	1.84E-07
3042	479453.24, 3850443.52	8.10E-04	2.56E-07	1.08E-07	8.74E-04	2.76E-07	1.17E-07	1.38E-03	4.37E-07	1.85E-07
3043	479503.24, 3850443.52	8.11E-04	2.56E-07	1.09E-07	8.75E-04	2.76E-07	1.17E-07	1.39E-03	4.37E-07	1.85E-07
3044	480327.18, 3850987.04	9.69E-04	3.06E-07	1.30E-07	1.05E-03	3.30E-07	1.40E-07	1.65E-03	5.20E-07	2.21E-07
3045	480377.18, 3850987.04	9.62E-04	3.04E-07	1.29E-07	1.04E-03	3.27E-07	1.39E-07	1.64E-03	5.16E-07	2.19E-07
3046	480427.18, 3850987.04	9.52E-04	3.01E-07	1.28E-07	1.03E-03	3.24E-07	1.37E-07	1.62E-03	5.11E-07	2.17E-07

3047	480477.18, 3850987.04	9.41E-04	2.97E-07	1.26E-07	1.01E-03	3.20E-07	1.36E-07	1.60E-03	5.05E-07	2.14E-07
3048	480327.18, 3851037.04	9.91E-04	3.13E-07	1.33E-07	1.07E-03	3.37E-07	1.43E-07	1.69E-03	5.32E-07	2.26E-07
3049	480377.18, 3851037.04	9.85E-04	3.11E-07	1.32E-07	1.06E-03	3.35E-07	1.42E-07	1.68E-03	5.29E-07	2.24E-07
3050	480427.18, 3851037.04	9.77E-04	3.08E-07	1.31E-07	1.05E-03	3.32E-07	1.41E-07	1.66E-03	5.24E-07	2.22E-07
3051	480477.18, 3851037.04	9.68E-04	3.05E-07	1.30E-07	1.04E-03	3.29E-07	1.40E-07	1.64E-03	5.19E-07	2.20E-07
3052	480622.06, 3851087.39	9.68E-04	3.05E-07	1.30E-07	1.04E-03	3.29E-07	1.40E-07	1.64E-03	5.18E-07	2.20E-07
3053	480672.06, 3851087.39	9.58E-04	3.02E-07	1.28E-07	1.03E-03	3.26E-07	1.38E-07	1.63E-03	5.13E-07	2.18E-07
3054	480622.06, 3851137.39	9.96E-04	3.14E-07	1.33E-07	1.07E-03	3.39E-07	1.44E-07	1.69E-03	5.33E-07	2.26E-07
3055	480672.06, 3851137.39	9.86E-04	3.11E-07	1.32E-07	1.06E-03	3.36E-07	1.42E-07	1.67E-03	5.28E-07	2.24E-07
3056	480722.06, 3851137.39	9.78E-04	3.09E-07	1.31E-07	1.05E-03	3.33E-07	1.41E-07	1.66E-03	5.23E-07	2.22E-07
3057	480622.06, 3851187.39	1.02E-03	3.23E-07	1.37E-07	1.10E-03	3.48E-07	1.48E-07	1.74E-03	5.48E-07	2.33E-07
3058	480672.06, 3851187.39	1.02E-03	3.20E-07	1.36E-07	1.09E-03	3.45E-07	1.47E-07	1.72E-03	5.44E-07	2.31E-07
3059	480722.06, 3851187.39	1.01E-03	3.18E-07	1.35E-07	1.09E-03	3.43E-07	1.45E-07	1.71E-03	5.39E-07	2.29E-07
3060	471363.09, 3845877.25	1.28E-04	4.05E-08	1.72E-08	1.38E-04	4.37E-08	1.85E-08	2.19E-04	6.92E-08	2.94E-08
3061	471863.09, 3845877.25	1.21E-04	3.80E-08	1.61E-08	1.30E-04	4.11E-08	1.74E-08	2.06E-04	6.51E-08	2.76E-08
3062	472363.09, 3845877.25	1.26E-04	3.97E-08	1.68E-08	1.36E-04	4.28E-08	1.82E-08	2.15E-04	6.77E-08	2.87E-08
3063	472863.09, 3845877.25	1.05E-04	3.32E-08	1.41E-08	1.14E-04	3.59E-08	1.52E-08	1.80E-04	5.68E-08	2.41E-08
3064	473363.09, 3845877.25	1.12E-04	3.52E-08	1.49E-08	1.20E-04	3.80E-08	1.61E-08	1.91E-04	6.01E-08	2.55E-08
3065	473863.09, 3845877.25	1.21E-04	3.83E-08	1.63E-08	1.31E-04	4.13E-08	1.75E-08	2.07E-04	6.54E-08	2.78E-08
3066	474363.09, 3845877.25	1.57E-04	4.95E-08	2.10E-08	1.69E-04	5.34E-08	2.27E-08	2.68E-04	8.45E-08	3.59E-08
3067	474863.09, 3845877.25	1.98E-04	6.25E-08	2.65E-08	2.14E-04	6.75E-08	2.86E-08	3.39E-04	1.07E-07	4.54E-08
3068	475363.09, 3845877.25	2.18E-04	6.88E-08	2.92E-08	2.35E-04	7.43E-08	3.15E-08	3.73E-04	1.18E-07	5.00E-08
3069	475863.09, 3845877.25	2.13E-04	6.72E-08	2.85E-08	2.30E-04	7.25E-08	3.07E-08	3.64E-04	1.15E-07	4.87E-08
3070	476363.09, 3845877.25	1.84E-04	5.79E-08	2.46E-08	1.98E-04	6.25E-08	2.65E-08	3.13E-04	9.88E-08	4.19E-08
3071	476863.09, 3845877.25	1.59E-04	5.02E-08	2.13E-08	1.72E-04	5.42E-08	2.30E-08	2.71E-04	8.56E-08	3.63E-08
3072	477363.09, 3845877.25	1.43E-04	4.50E-08	1.91E-08	1.54E-04	4.86E-08	2.06E-08	2.42E-04	7.65E-08	3.25E-08
3073	477863.09, 3845877.25	1.29E-04	4.07E-08	1.73E-08	1.39E-04	4.39E-08	1.86E-08	2.19E-04	6.92E-08	2.94E-08
3074	478363.09, 3845877.25	1.22E-04	3.84E-08	1.63E-08	1.31E-04	4.14E-08	1.76E-08	2.06E-04	6.51E-08	2.76E-08
3075	478863.09, 3845877.25	1.16E-04	3.68E-08	1.56E-08	1.26E-04	3.96E-08	1.68E-08	1.98E-04	6.24E-08	2.65E-08
3076	479363.09, 3845877.25	1.14E-04	3.60E-08	1.53E-08	1.23E-04	3.88E-08	1.65E-08	1.93E-04	6.09E-08	2.59E-08
3077	479863.09, 3845877.25	1.07E-04	3.37E-08	1.43E-08	1.15E-04	3.63E-08	1.54E-08	1.81E-04	5.71E-08	2.42E-08
3078	480363.09, 3845877.25	9.45E-05	2.98E-08	1.26E-08	1.02E-04	3.21E-08	1.36E-08	1.60E-04	5.07E-08	2.15E-08
3079	480863.09, 3845877.25	8.79E-05	2.77E-08	1.18E-08	9.47E-05	2.99E-08	1.27E-08	1.49E-04	4.71E-08	2.00E-08
3080	481363.09, 3845877.25	8.22E-05	2.59E-08	1.10E-08	8.86E-05	2.80E-08	1.19E-08	1.40E-04	4.40E-08	1.87E-08
3081	481863.09, 3845877.25	7.71E-05	2.43E-08	1.03E-08	8.31E-05	2.62E-08	1.11E-08	1.31E-04	4.14E-08	1.76E-08
3082	482363.09, 3845877.25	7.05E-05	2.23E-08	9.44E-09	7.60E-05	2.40E-08	1.02E-08	1.20E-04	3.78E-08	1.60E-08
3083	482863.09, 3845877.25	6.02E-05	1.90E-08	8.06E-09	6.49E-05	2.05E-08	8.69E-09	1.03E-04	3.24E-08	1.37E-08
3084	483363.09, 3845877.25	5.51E-05	1.74E-08	7.37E-09	5.94E-05	1.88E-08	7.96E-09	9.41E-05	2.97E-08	1.26E-08
3085	483863.09, 3845877.25	6.07E-05	1.92E-08	8.13E-09	6.55E-05	2.07E-08	8.77E-09	1.03E-04	3.26E-08	1.38E-08
3086	484363.09, 3845877.25	5.99E-05	1.89E-08	8.02E-09	6.46E-05	2.04E-08	8.65E-09	1.02E-04	3.22E-08	1.36E-08
3087	484863.09, 3845877.25	5.69E-05	1.80E-08	7.63E-09	6.14E-05	1.94E-08	8.22E-09	9.69E-05	3.06E-08	1.30E-08
3088	485363.09, 3845877.25	5.40E-05	1.70E-08	7.23E-09	5.82E-05	1.84E-08	7.79E-09	9.21E-05	2.91E-08	1.23E-08
3089	485863.09, 3845877.25	5.34E-05	1.68E-08	7.15E-09	5.76E-05	1.82E-08	7.71E-09	9.12E-05	2.88E-08	1.22E-08
3090	486363.09, 3845877.25	5.17E-05	1.63E-08	6.92E-09	5.58E-05	1.76E-08	7.47E-09	8.83E-05	2.79E-08	1.18E-08
3091	486863.09, 3845877.25	4.86E-05	1.53E-08	6.51E-09	5.24E-05	1.65E-08	7.02E-09	8.31E-05	2.62E-08	1.11E-08
3092	487363.09, 3845877.25	4.76E-05	1.50E-08	6.37E-09	5.14E-05	1.62E-08	6.88E-09	8.15E-05	2.57E-08	1.09E-08
3093	487863.09, 3845877.25	4.53E-05	1.43E-08	6.07E-09	4.89E-05	1.54E-08	6.55E-09	7.78E-05	2.45E-08	1.04E-08
3094	488363.09, 3845877.25	4.46E-05	1.41E-08	5.97E-09	4.82E-05	1.52E-08	6.45E-09	7.67E-05	2.42E-08	1.03E-08
3095	488863.09, 3845877.25	4.78E-05	1.51E-08	6.41E-09	5.17E-05	1.63E-08	6.92E-09	8.21E-05	2.59E-08	1.10E-08
3096	489363.09, 3845877.25	4.84E-05	1.53E-08	6.48E-09	5.23E-05	1.65E-08	7.00E-09	8.32E-05	2.63E-08	1.11E-08
3097	489863.09, 3845877.25	4.79E-05	1.51E-08	6.42E-09	5.18E-05	1.63E-08	6.93E-09	8.28E-05	2.61E-08	1.11E-08
3098	490363.09, 3845877.25	4.68E-05	1.48E-08	6.26E-09	5.06E-05	1.60E-08	6.77E-09	8.11E-05	2.56E-08	1.09E-08
3099	490863.09, 3845877.25	4.39E-05	1.39E-08	5.88E-09	4.75E-05	1.50E-08	6.36E-09	7.64E-05	2.41E-08	1.02E-08
3100	491363.09, 3845877.25	4.73E-05	1.49E-08	6.34E-09	5.12E-05	1.61E-08	6.85E-09	8.22E-05	2.59E-08	1.10E-08
3101	491863.09, 3845877.25	5.00E-05	1.58E-08	6.70E-09	5.41E-05	1.71E-08	7.24E-09	8.67E-05	2.74E-08	1.16E-08
3102	492363.09, 3845877.25	4.80E-05	1.52E-08	6.43E-09	5.19E-05	1.64E-08	6.95E-09	8.35E-05	2.64E-08	1.12E-08
3103	492863.09, 3845877.25	5.42E-05	1.71E-08	7.26E-09	5.86E-05	1.85E-08	7.85E-09	9.39E-05	2.96E-08	1.26E-08
3104	493363.09, 3845877.25	5.79E-05	1.83E-08	7.75E-09	6.26E-05	1.97E-08	8.38E-09	1.00E-04	3.17E-08	1.34E-08
3105	493863.09, 3845877.25	6.18E-05	1.95E-08	8.28E-09	6.68E-05	2.11E-08	8.95E-09	1.07E-04	3.38E-08	1.43E-08
3106	494363.09, 3845877.25	6.59E-05	2.08E-08	8.83E-09	7.12E-05	2.25E-08	9.54E-09	1.14E-04	3.60E-08	1.53E-08
3107	494863.09, 3845877.25	6.96E-05	2.20E-08	9.31E-09	7.52E-05	2.37E-08	1.01E-08	1.20E-04	3.80E-08	1.61E-08

3108	495363.09, 3845877.25	7.42E-05	2.34E-08	9.94E-09	8.02E-05	2.53E-08	1.07E-08	1.28E-04	4.05E-08	1.72E-08
3109	495863.09, 3845877.25	8.00E-05	2.52E-08	1.07E-08	8.64E-05	2.73E-08	1.16E-08	1.38E-04	4.37E-08	1.85E-08
3110	496363.09, 3845877.25	8.59E-05	2.71E-08	1.15E-08	9.28E-05	2.93E-08	1.24E-08	1.48E-04	4.68E-08	1.99E-08
3111	496863.09, 3845877.25	9.04E-05	2.85E-08	1.21E-08	9.77E-05	3.08E-08	1.31E-08	1.56E-04	4.93E-08	2.09E-08
3112	497363.09, 3845877.25	9.53E-05	3.01E-08	1.28E-08	1.03E-04	3.25E-08	1.38E-08	1.65E-04	5.20E-08	2.21E-08
3113	497863.09, 3845877.25	1.01E-04	3.18E-08	1.35E-08	1.09E-04	3.44E-08	1.46E-08	1.74E-04	5.50E-08	2.33E-08
3114	498363.09, 3845877.25	1.06E-04	3.34E-08	1.42E-08	1.14E-04	3.61E-08	1.53E-08	1.83E-04	5.77E-08	2.45E-08
3115	471363.09, 3846377.25	2.06E-04	6.51E-08	2.76E-08	2.23E-04	7.02E-08	2.98E-08	3.51E-04	1.11E-07	4.70E-08
3116	471863.09, 3846377.25	1.85E-04	5.85E-08	2.48E-08	2.00E-04	6.31E-08	2.68E-08	3.16E-04	9.97E-08	4.23E-08
3117	472363.09, 3846377.25	1.31E-04	4.13E-08	1.75E-08	1.41E-04	4.46E-08	1.89E-08	2.24E-04	7.07E-08	3.00E-08
3118	472863.09, 3846377.25	1.28E-04	4.04E-08	1.71E-08	1.38E-04	4.36E-08	1.85E-08	2.19E-04	6.90E-08	2.93E-08
3119	473363.09, 3846377.25	1.22E-04	3.86E-08	1.64E-08	1.32E-04	4.16E-08	1.77E-08	2.09E-04	6.59E-08	2.80E-08
3120	473863.09, 3846377.25	1.34E-04	4.22E-08	1.79E-08	1.44E-04	4.55E-08	1.93E-08	2.28E-04	7.20E-08	3.05E-08
3121	474363.09, 3846377.25	1.49E-04	4.71E-08	2.00E-08	1.61E-04	5.08E-08	2.16E-08	2.54E-04	8.03E-08	3.41E-08
3122	474863.09, 3846377.25	1.91E-04	6.03E-08	2.56E-08	2.06E-04	6.51E-08	2.76E-08	3.26E-04	1.03E-07	4.37E-08
3123	475363.09, 3846377.25	2.34E-04	7.38E-08	3.13E-08	2.52E-04	7.97E-08	3.38E-08	4.00E-04	1.26E-07	5.35E-08
3124	475863.09, 3846377.25	2.53E-04	7.98E-08	3.38E-08	2.73E-04	8.61E-08	3.65E-08	4.32E-04	1.36E-07	5.79E-08
3125	476363.09, 3846377.25	2.31E-04	7.29E-08	3.10E-08	2.49E-04	7.87E-08	3.34E-08	3.95E-04	1.25E-07	5.29E-08
3126	476863.09, 3846377.25	1.98E-04	6.25E-08	2.65E-08	2.14E-04	6.74E-08	2.86E-08	3.38E-04	1.07E-07	4.52E-08
3127	477363.09, 3846377.25	1.75E-04	5.53E-08	2.35E-08	1.89E-04	5.96E-08	2.53E-08	2.99E-04	9.42E-08	4.00E-08
3128	477863.09, 3846377.25	1.52E-04	4.79E-08	2.03E-08	1.64E-04	5.17E-08	2.19E-08	2.58E-04	8.14E-08	3.45E-08
3129	478363.09, 3846377.25	1.42E-04	4.47E-08	1.90E-08	1.53E-04	4.82E-08	2.04E-08	2.41E-04	7.59E-08	3.22E-08
3130	478863.09, 3846377.25	1.41E-04	4.44E-08	1.88E-08	1.52E-04	4.79E-08	2.03E-08	2.39E-04	7.55E-08	3.20E-08
3131	479363.09, 3846377.25	1.33E-04	4.21E-08	1.79E-08	1.44E-04	4.54E-08	1.93E-08	2.26E-04	7.15E-08	3.03E-08
3132	479863.09, 3846377.25	1.21E-04	3.82E-08	1.62E-08	1.30E-04	4.11E-08	1.74E-08	2.05E-04	6.46E-08	2.74E-08
3133	480363.09, 3846377.25	1.17E-04	3.68E-08	1.56E-08	1.26E-04	3.97E-08	1.68E-08	1.98E-04	6.25E-08	2.65E-08
3134	480863.09, 3846377.25	1.01E-04	3.19E-08	1.35E-08	1.09E-04	3.44E-08	1.46E-08	1.72E-04	5.42E-08	2.30E-08
3135	481363.09, 3846377.25	9.54E-05	3.01E-08	1.28E-08	1.03E-04	3.24E-08	1.38E-08	1.62E-04	5.10E-08	2.17E-08
3136	481863.09, 3846377.25	8.85E-05	2.79E-08	1.19E-08	9.55E-05	3.01E-08	1.28E-08	1.50E-04	4.75E-08	2.01E-08
3137	482363.09, 3846377.25	7.94E-05	2.51E-08	1.06E-08	8.56E-05	2.70E-08	1.15E-08	1.35E-04	4.26E-08	1.81E-08
3138	482863.09, 3846377.25	6.91E-05	2.18E-08	9.25E-09	7.45E-05	2.35E-08	9.98E-09	1.17E-04	3.71E-08	1.57E-08
3139	483363.09, 3846377.25	7.02E-05	2.22E-08	9.40E-09	7.57E-05	2.39E-08	1.01E-08	1.19E-04	3.77E-08	1.60E-08
3140	483863.09, 3846377.25	6.82E-05	2.15E-08	9.14E-09	7.36E-05	2.32E-08	9.85E-09	1.16E-04	3.66E-08	1.55E-08
3141	484363.09, 3846377.25	6.29E-05	1.98E-08	8.42E-09	6.78E-05	2.14E-08	9.08E-09	1.07E-04	3.38E-08	1.43E-08
3142	484863.09, 3846377.25	6.53E-05	2.06E-08	8.74E-09	7.04E-05	2.22E-08	9.43E-09	1.11E-04	3.50E-08	1.49E-08
3143	485363.09, 3846377.25	6.37E-05	2.01E-08	8.53E-09	6.87E-05	2.17E-08	9.20E-09	1.08E-04	3.42E-08	1.45E-08
3144	485863.09, 3846377.25	5.96E-05	1.88E-08	7.98E-09	6.43E-05	2.03E-08	8.61E-09	1.02E-04	3.21E-08	1.36E-08
3145	486363.09, 3846377.25	5.28E-05	1.67E-08	7.07E-09	5.70E-05	1.80E-08	7.63E-09	9.03E-05	2.85E-08	1.21E-08
3146	486863.09, 3846377.25	5.03E-05	1.59E-08	6.73E-09	5.43E-05	1.71E-08	7.27E-09	8.60E-05	2.71E-08	1.15E-08
3147	487363.09, 3846377.25	5.05E-05	1.60E-08	6.77E-09	5.45E-05	1.72E-08	7.30E-09	8.66E-05	2.73E-08	1.16E-08
3148	487863.09, 3846377.25	5.36E-05	1.69E-08	7.18E-09	5.79E-05	1.83E-08	7.75E-09	9.18E-05	2.90E-08	1.23E-08
3149	488363.09, 3846377.25	5.27E-05	1.66E-08	7.05E-09	5.68E-05	1.79E-08	7.61E-09	9.02E-05	2.85E-08	1.21E-08
3150	488863.09, 3846377.25	5.32E-05	1.68E-08	7.12E-09	5.74E-05	1.81E-08	7.69E-09	9.13E-05	2.88E-08	1.22E-08
3151	489363.09, 3846377.25	5.37E-05	1.70E-08	7.19E-09	5.80E-05	1.83E-08	7.77E-09	9.25E-05	2.92E-08	1.24E-08
3152	489863.09, 3846377.25	5.30E-05	1.67E-08	7.10E-09	5.73E-05	1.81E-08	7.67E-09	9.15E-05	2.89E-08	1.23E-08
3153	490363.09, 3846377.25	4.96E-05	1.57E-08	6.64E-09	5.36E-05	1.69E-08	7.18E-09	8.60E-05	2.71E-08	1.15E-08
3154	490863.09, 3846377.25	4.90E-05	1.55E-08	6.56E-09	5.30E-05	1.67E-08	7.10E-09	8.51E-05	2.69E-08	1.14E-08
3155	491363.09, 3846377.25	5.01E-05	1.58E-08	6.71E-09	5.42E-05	1.71E-08	7.26E-09	8.71E-05	2.75E-08	1.17E-08
3156	491863.09, 3846377.25	5.55E-05	1.75E-08	7.43E-09	6.00E-05	1.89E-08	8.03E-09	9.61E-05	3.03E-08	1.29E-08
3157	492363.09, 3846377.25	5.65E-05	1.78E-08	7.56E-09	6.10E-05	1.93E-08	8.17E-09	9.80E-05	3.09E-08	1.31E-08
3158	492863.09, 3846377.25	5.87E-05	1.85E-08	7.86E-09	6.35E-05	2.00E-08	8.50E-09	1.02E-04	3.21E-08	1.36E-08
3159	493363.09, 3846377.25	6.46E-05	2.04E-08	8.66E-09	6.99E-05	2.20E-08	9.35E-09	1.12E-04	3.53E-08	1.50E-08
3160	493863.09, 3846377.25	6.93E-05	2.19E-08	9.28E-09	7.49E-05	2.36E-08	1.00E-08	1.20E-04	3.78E-08	1.60E-08
3161	494363.09, 3846377.25	7.42E-05	2.34E-08	9.94E-09	8.02E-05	2.53E-08	1.07E-08	1.28E-04	4.05E-08	1.72E-08
3162	494863.09, 3846377.25	7.93E-05	2.50E-08	1.06E-08	8.57E-05	2.70E-08	1.15E-08	1.37E-04	4.32E-08	1.83E-08
3163	495363.09, 3846377.25	8.49E-05	2.68E-08	1.14E-08	9.17E-05	2.90E-08	1.23E-08	1.47E-04	4.63E-08	1.97E-08
3164	495863.09, 3846377.25	9.15E-05	2.89E-08	1.23E-08	9.89E-05	3.12E-08	1.32E-08	1.58E-04	4.99E-08	2.12E-08
3165	496363.09, 3846377.25	9.83E-05	3.10E-08	1.32E-08	1.06E-04	3.35E-08	1.42E-08	1.70E-04	5.36E-08	2.27E-08
3166	496863.09, 3846377.25	1.05E-04	3.31E-08	1.40E-08	1.13E-04	3.58E-08	1.52E-08	1.81E-04	5.72E-08	2.43E-08
3167	497363.09, 3846377.25	1.11E-04	3.51E-08	1.49E-08	1.20E-04	3.80E-08	1.61E-08	1.93E-04	6.08E-08	2.58E-08
3168	497863.09, 3846377.25	1.17E-04	3.69E-08	1.57E-08	1.26E-04	3.99E-08	1.69E-08	2.02E-04	6.38E-08	2.71E-08

3169	498363.09, 3846377.25	1.22E-04	3.85E-08	1.63E-08	1.32E-04	4.16E-08	1.77E-08	2.11E-04	6.65E-08	2.82E-08
3170	471363.09, 3846877.25	2.27E-04	7.15E-08	3.03E-08	2.44E-04	7.71E-08	3.27E-08	3.86E-04	1.22E-07	5.16E-08
3171	471863.09, 3846877.25	2.28E-04	7.20E-08	3.05E-08	2.46E-04	7.76E-08	3.29E-08	3.87E-04	1.22E-07	5.19E-08
3172	472363.09, 3846877.25	2.16E-04	6.81E-08	2.89E-08	2.33E-04	7.35E-08	3.12E-08	3.67E-04	1.16E-07	4.92E-08
3173	472863.09, 3846877.25	1.42E-04	4.47E-08	1.90E-08	1.53E-04	4.82E-08	2.05E-08	2.42E-04	7.64E-08	3.24E-08
3174	473363.09, 3846877.25	1.48E-04	4.69E-08	1.99E-08	1.60E-04	5.06E-08	2.15E-08	2.54E-04	8.00E-08	3.40E-08
3175	473863.09, 3846877.25	1.52E-04	4.80E-08	2.04E-08	1.64E-04	5.18E-08	2.20E-08	2.59E-04	8.19E-08	3.47E-08
3176	474363.09, 3846877.25	1.54E-04	4.87E-08	2.06E-08	1.66E-04	5.25E-08	2.23E-08	2.63E-04	8.29E-08	3.52E-08
3177	474863.09, 3846877.25	1.69E-04	5.35E-08	2.27E-08	1.83E-04	5.77E-08	2.45E-08	2.89E-04	9.11E-08	3.86E-08
3178	475363.09, 3846877.25	2.01E-04	6.36E-08	2.70E-08	2.17E-04	6.86E-08	2.91E-08	3.44E-04	1.08E-07	4.60E-08
3179	475863.09, 3846877.25	2.63E-04	8.31E-08	3.53E-08	2.84E-04	8.96E-08	3.80E-08	4.50E-04	1.42E-07	6.02E-08
3180	476363.09, 3846877.25	2.77E-04	8.76E-08	3.71E-08	2.99E-04	9.45E-08	4.01E-08	4.74E-04	1.50E-07	6.35E-08
3181	476863.09, 3846877.25	2.50E-04	7.90E-08	3.35E-08	2.70E-04	8.52E-08	3.61E-08	4.27E-04	1.35E-07	5.72E-08
3182	477363.09, 3846877.25	2.17E-04	6.84E-08	2.90E-08	2.34E-04	7.38E-08	3.13E-08	3.70E-04	1.17E-07	4.95E-08
3183	477863.09, 3846877.25	1.87E-04	5.91E-08	2.51E-08	2.02E-04	6.37E-08	2.70E-08	3.19E-04	1.01E-07	4.27E-08
3184	478363.09, 3846877.25	1.70E-04	5.36E-08	2.27E-08	1.83E-04	5.78E-08	2.45E-08	2.88E-04	9.09E-08	3.86E-08
3185	478863.09, 3846877.25	1.67E-04	5.28E-08	2.24E-08	1.80E-04	5.69E-08	2.41E-08	2.84E-04	8.95E-08	3.80E-08
3186	479363.09, 3846877.25	1.58E-04	4.99E-08	2.12E-08	1.70E-04	5.38E-08	2.28E-08	2.69E-04	8.48E-08	3.60E-08
3187	479863.09, 3846877.25	1.24E-04	3.91E-08	1.66E-08	1.34E-04	4.22E-08	1.79E-08	2.10E-04	6.63E-08	2.81E-08
3188	480363.09, 3846877.25	1.06E-04	3.35E-08	1.42E-08	1.14E-04	3.61E-08	1.53E-08	1.80E-04	5.69E-08	2.41E-08
3189	480863.09, 3846877.25	9.96E-05	3.15E-08	1.33E-08	1.07E-04	3.39E-08	1.44E-08	1.70E-04	5.35E-08	2.27E-08
3190	481363.09, 3846877.25	1.01E-04	3.18E-08	1.35E-08	1.09E-04	3.43E-08	1.46E-08	1.71E-04	5.40E-08	2.29E-08
3191	481863.09, 3846877.25	9.72E-05	3.07E-08	1.30E-08	1.05E-04	3.31E-08	1.40E-08	1.65E-04	5.21E-08	2.21E-08
3192	482363.09, 3846877.25	8.53E-05	2.69E-08	1.14E-08	9.20E-05	2.90E-08	1.23E-08	1.45E-04	4.58E-08	1.94E-08
3193	482863.09, 3846877.25	8.24E-05	2.60E-08	1.10E-08	8.88E-05	2.80E-08	1.19E-08	1.40E-04	4.41E-08	1.87E-08
3194	483363.09, 3846877.25	7.95E-05	2.51E-08	1.06E-08	8.57E-05	2.71E-08	1.15E-08	1.35E-04	4.26E-08	1.81E-08
3195	483863.09, 3846877.25	7.68E-05	2.43E-08	1.03E-08	8.29E-05	2.62E-08	1.11E-08	1.31E-04	4.12E-08	1.75E-08
3196	484363.09, 3846877.25	7.43E-05	2.35E-08	9.95E-09	8.01E-05	2.53E-08	1.07E-08	1.26E-04	3.98E-08	1.69E-08
3197	484863.09, 3846877.25	7.15E-05	2.26E-08	9.57E-09	7.71E-05	2.43E-08	1.03E-08	1.21E-04	3.83E-08	1.62E-08
3198	485363.09, 3846877.25	7.06E-05	2.23E-08	9.46E-09	7.62E-05	2.40E-08	1.02E-08	1.20E-04	3.79E-08	1.61E-08
3199	485863.09, 3846877.25	6.68E-05	2.11E-08	8.94E-09	7.20E-05	2.27E-08	9.65E-09	1.14E-04	3.60E-08	1.53E-08
3200	486363.09, 3846877.25	6.72E-05	2.12E-08	9.01E-09	7.25E-05	2.29E-08	9.71E-09	1.14E-04	3.61E-08	1.53E-08
3201	486863.09, 3846877.25	6.00E-05	1.89E-08	8.04E-09	6.48E-05	2.04E-08	8.67E-09	1.02E-04	3.23E-08	1.37E-08
3202	487363.09, 3846877.25	5.99E-05	1.89E-08	8.02E-09	6.46E-05	2.04E-08	8.65E-09	1.02E-04	3.23E-08	1.37E-08
3203	487863.09, 3846877.25	5.91E-05	1.87E-08	7.92E-09	6.38E-05	2.01E-08	8.55E-09	1.01E-04	3.19E-08	1.36E-08
3204	488363.09, 3846877.25	5.84E-05	1.84E-08	7.82E-09	6.31E-05	1.99E-08	8.44E-09	1.00E-04	3.16E-08	1.34E-08
3205	488863.09, 3846877.25	5.94E-05	1.87E-08	7.95E-09	6.41E-05	2.02E-08	8.58E-09	1.02E-04	3.22E-08	1.37E-08
3206	489363.09, 3846877.25	6.03E-05	1.90E-08	8.08E-09	6.52E-05	2.06E-08	8.73E-09	1.04E-04	3.28E-08	1.39E-08
3207	489863.09, 3846877.25	5.99E-05	1.89E-08	8.02E-09	6.47E-05	2.04E-08	8.67E-09	1.03E-04	3.26E-08	1.38E-08
3208	490363.09, 3846877.25	5.65E-05	1.78E-08	7.57E-09	6.11E-05	1.93E-08	8.18E-09	9.77E-05	3.08E-08	1.31E-08
3209	490863.09, 3846877.25	5.72E-05	1.81E-08	7.66E-09	6.18E-05	1.95E-08	8.28E-09	9.90E-05	3.12E-08	1.33E-08
3210	491363.09, 3846877.25	5.87E-05	1.85E-08	7.86E-09	6.35E-05	2.00E-08	8.50E-09	1.02E-04	3.21E-08	1.36E-08
3211	491863.09, 3846877.25	5.90E-05	1.86E-08	7.90E-09	6.38E-05	2.01E-08	8.54E-09	1.02E-04	3.23E-08	1.37E-08
3212	492363.09, 3846877.25	6.59E-05	2.08E-08	8.83E-09	7.12E-05	2.25E-08	9.54E-09	1.14E-04	3.60E-08	1.53E-08
3213	492863.09, 3846877.25	6.93E-05	2.19E-08	9.28E-09	7.49E-05	2.36E-08	1.00E-08	1.20E-04	3.78E-08	1.60E-08
3214	493363.09, 3846877.25	7.46E-05	2.36E-08	9.99E-09	8.06E-05	2.55E-08	1.08E-08	1.29E-04	4.07E-08	1.73E-08
3215	493863.09, 3846877.25	7.95E-05	2.51E-08	1.07E-08	8.60E-05	2.71E-08	1.15E-08	1.38E-04	4.34E-08	1.84E-08
3216	494363.09, 3846877.25	8.45E-05	2.67E-08	1.13E-08	9.13E-05	2.88E-08	1.22E-08	1.46E-04	4.61E-08	1.96E-08
3217	494863.09, 3846877.25	9.02E-05	2.85E-08	1.21E-08	9.75E-05	3.08E-08	1.31E-08	1.56E-04	4.93E-08	2.09E-08
3218	495363.09, 3846877.25	9.63E-05	3.04E-08	1.29E-08	1.04E-04	3.28E-08	1.39E-08	1.67E-04	5.26E-08	2.23E-08
3219	495863.09, 3846877.25	1.02E-04	3.23E-08	1.37E-08	1.11E-04	3.49E-08	1.48E-08	1.77E-04	5.60E-08	2.37E-08
3220	496363.09, 3846877.25	1.09E-04	3.45E-08	1.46E-08	1.18E-04	3.72E-08	1.58E-08	1.89E-04	5.96E-08	2.53E-08
3221	496863.09, 3846877.25	1.18E-04	3.71E-08	1.57E-08	1.27E-04	4.01E-08	1.70E-08	2.03E-04	6.41E-08	2.72E-08
3222	497363.09, 3846877.25	1.28E-04	4.03E-08	1.71E-08	1.38E-04	4.35E-08	1.85E-08	2.21E-04	6.96E-08	2.95E-08
3223	497863.09, 3846877.25	1.37E-04	4.32E-08	1.83E-08	1.48E-04	4.66E-08	1.98E-08	2.36E-04	7.46E-08	3.16E-08
3224	498363.09, 3846877.25	1.42E-04	4.48E-08	1.90E-08	1.53E-04	4.84E-08	2.05E-08	2.45E-04	7.73E-08	3.28E-08
3225	471363.09, 3847377.25	2.46E-04	7.78E-08	3.30E-08	2.66E-04	8.39E-08	3.56E-08	4.21E-04	1.33E-07	5.63E-08
3226	471863.09, 3847377.25	2.49E-04	7.85E-08	3.33E-08	2.68E-04	8.46E-08	3.59E-08	4.24E-04	1.34E-07	5.67E-08
3227	472363.09, 3847377.25	2.50E-04	7.89E-08	3.35E-08	2.70E-04	8.51E-08	3.61E-08	4.25E-04	1.34E-07	5.69E-08
3228	472863.09, 3847377.25	2.39E-04	7.55E-08	3.20E-08	2.58E-04	8.14E-08	3.45E-08	4.07E-04	1.28E-07	5.44E-08
3229	473363.09, 3847377.25	1.89E-04	5.98E-08	2.54E-08	2.04E-04	6.45E-08	2.74E-08	3.23E-04	1.02E-07	4.33E-08

3230	473863.09, 3847377.25	1.82E-04	5.74E-08	2.43E-08	1.96E-04	6.19E-08	2.63E-08	3.10E-04	9.78E-08	4.15E-08
3231	474363.09, 3847377.25	1.81E-04	5.70E-08	2.42E-08	1.95E-04	6.15E-08	2.61E-08	3.08E-04	9.71E-08	4.12E-08
3232	474863.09, 3847377.25	1.73E-04	5.45E-08	2.31E-08	1.86E-04	5.88E-08	2.50E-08	2.94E-04	9.28E-08	3.94E-08
3233	475363.09, 3847377.25	1.80E-04	5.68E-08	2.41E-08	1.94E-04	6.13E-08	2.60E-08	3.07E-04	9.68E-08	4.11E-08
3234	475863.09, 3847377.25	2.42E-04	7.64E-08	3.24E-08	2.61E-04	8.24E-08	3.50E-08	4.13E-04	1.30E-07	5.53E-08
3235	476363.09, 3847377.25	3.23E-04	1.02E-07	4.33E-08	3.49E-04	1.10E-07	4.67E-08	5.53E-04	1.74E-07	7.40E-08
3236	476863.09, 3847377.25	3.10E-04	9.78E-08	4.15E-08	3.34E-04	1.06E-07	4.48E-08	5.30E-04	1.67E-07	7.10E-08
3237	477363.09, 3847377.25	2.81E-04	8.88E-08	3.77E-08	3.04E-04	9.58E-08	4.07E-08	4.80E-04	1.52E-07	6.43E-08
3238	477863.09, 3847377.25	2.38E-04	7.52E-08	3.19E-08	2.57E-04	8.12E-08	3.44E-08	4.07E-04	1.28E-07	5.44E-08
3239	478363.09, 3847377.25	2.11E-04	6.66E-08	2.83E-08	2.28E-04	7.18E-08	3.05E-08	3.59E-04	1.13E-07	4.80E-08
3240	478863.09, 3847377.25	1.99E-04	6.27E-08	2.66E-08	2.14E-04	6.76E-08	2.87E-08	3.37E-04	1.06E-07	4.51E-08
3241	479363.09, 3847377.25	1.62E-04	5.12E-08	2.17E-08	1.75E-04	5.52E-08	2.34E-08	2.75E-04	8.69E-08	3.69E-08
3242	479863.09, 3847377.25	1.20E-04	3.80E-08	1.61E-08	1.30E-04	4.10E-08	1.74E-08	2.05E-04	6.46E-08	2.74E-08
3243	480363.09, 3847377.25	9.16E-05	2.89E-08	1.23E-08	9.88E-05	3.12E-08	1.32E-08	1.56E-04	4.93E-08	2.09E-08
3244	480863.09, 3847377.25	8.39E-05	2.65E-08	1.12E-08	9.06E-05	2.86E-08	1.21E-08	1.43E-04	4.53E-08	1.92E-08
3245	481363.09, 3847377.25	9.05E-05	2.86E-08	1.21E-08	9.76E-05	3.08E-08	1.31E-08	1.54E-04	4.86E-08	2.06E-08
3246	481863.09, 3847377.25	1.06E-04	3.36E-08	1.42E-08	1.15E-04	3.62E-08	1.54E-08	1.80E-04	5.70E-08	2.42E-08
3247	482363.09, 3847377.25	1.02E-04	3.20E-08	1.36E-08	1.09E-04	3.45E-08	1.47E-08	1.72E-04	5.44E-08	2.31E-08
3248	482863.09, 3847377.25	9.51E-05	3.00E-08	1.27E-08	1.02E-04	3.23E-08	1.37E-08	1.61E-04	5.08E-08	2.16E-08
3249	483363.09, 3847377.25	8.97E-05	2.83E-08	1.20E-08	9.67E-05	3.05E-08	1.29E-08	1.52E-04	4.81E-08	2.04E-08
3250	483863.09, 3847377.25	8.63E-05	2.72E-08	1.16E-08	9.30E-05	2.94E-08	1.25E-08	1.47E-04	4.63E-08	1.96E-08
3251	484363.09, 3847377.25	8.69E-05	2.74E-08	1.16E-08	9.36E-05	2.96E-08	1.25E-08	1.47E-04	4.65E-08	1.97E-08
3252	484863.09, 3847377.25	8.24E-05	2.60E-08	1.10E-08	8.88E-05	2.80E-08	1.19E-08	1.40E-04	4.41E-08	1.87E-08
3253	485363.09, 3847377.25	8.01E-05	2.53E-08	1.07E-08	8.63E-05	2.73E-08	1.16E-08	1.36E-04	4.30E-08	1.82E-08
3254	485863.09, 3847377.25	7.88E-05	2.49E-08	1.06E-08	8.50E-05	2.68E-08	1.14E-08	1.34E-04	4.23E-08	1.79E-08
3255	486363.09, 3847377.25	7.73E-05	2.44E-08	1.03E-08	8.33E-05	2.63E-08	1.12E-08	1.31E-04	4.14E-08	1.76E-08
3256	486863.09, 3847377.25	7.05E-05	2.22E-08	9.44E-09	7.60E-05	2.40E-08	1.02E-08	1.20E-04	3.79E-08	1.61E-08
3257	487363.09, 3847377.25	6.99E-05	2.21E-08	9.36E-09	7.54E-05	2.38E-08	1.01E-08	1.19E-04	3.76E-08	1.60E-08
3258	487863.09, 3847377.25	6.65E-05	2.10E-08	8.90E-09	7.17E-05	2.26E-08	9.61E-09	1.14E-04	3.59E-08	1.52E-08
3259	488363.09, 3847377.25	6.60E-05	2.08E-08	8.84E-09	7.13E-05	2.25E-08	9.54E-09	1.13E-04	3.57E-08	1.52E-08
3260	488863.09, 3847377.25	6.70E-05	2.11E-08	8.97E-09	7.23E-05	2.28E-08	9.68E-09	1.15E-04	3.63E-08	1.54E-08
3261	489363.09, 3847377.25	6.83E-05	2.15E-08	9.14E-09	7.37E-05	2.33E-08	9.87E-09	1.17E-04	3.70E-08	1.57E-08
3262	489863.09, 3847377.25	6.74E-05	2.13E-08	9.02E-09	7.28E-05	2.30E-08	9.75E-09	1.16E-04	3.66E-08	1.55E-08
3263	490363.09, 3847377.25	6.66E-05	2.10E-08	8.93E-09	7.20E-05	2.27E-08	9.64E-09	1.15E-04	3.63E-08	1.54E-08
3264	490863.09, 3847377.25	6.82E-05	2.15E-08	9.13E-09	7.37E-05	2.32E-08	9.86E-09	1.18E-04	3.72E-08	1.58E-08
3265	491363.09, 3847377.25	6.93E-05	2.19E-08	9.28E-09	7.49E-05	2.36E-08	1.00E-08	1.20E-04	3.78E-08	1.60E-08
3266	491863.09, 3847377.25	7.48E-05	2.36E-08	1.00E-08	8.08E-05	2.55E-08	1.08E-08	1.29E-04	4.08E-08	1.73E-08
3267	492363.09, 3847377.25	7.67E-05	2.42E-08	1.03E-08	8.29E-05	2.62E-08	1.11E-08	1.33E-04	4.19E-08	1.78E-08
3268	492863.09, 3847377.25	8.23E-05	2.60E-08	1.10E-08	8.90E-05	2.81E-08	1.19E-08	1.42E-04	4.50E-08	1.91E-08
3269	493363.09, 3847377.25	8.73E-05	2.75E-08	1.17E-08	9.43E-05	2.98E-08	1.26E-08	1.51E-04	4.77E-08	2.02E-08
3270	493863.09, 3847377.25	9.05E-05	2.86E-08	1.21E-08	9.78E-05	3.09E-08	1.31E-08	1.57E-04	4.94E-08	2.10E-08
3271	494363.09, 3847377.25	9.42E-05	2.97E-08	1.26E-08	1.02E-04	3.21E-08	1.36E-08	1.63E-04	5.15E-08	2.18E-08
3272	494863.09, 3847377.25	9.99E-05	3.15E-08	1.34E-08	1.08E-04	3.41E-08	1.45E-08	1.73E-04	5.46E-08	2.32E-08
3273	495363.09, 3847377.25	1.05E-04	3.32E-08	1.41E-08	1.14E-04	3.59E-08	1.52E-08	1.82E-04	5.75E-08	2.44E-08
3274	495863.09, 3847377.25	1.12E-04	3.54E-08	1.50E-08	1.21E-04	3.83E-08	1.63E-08	1.94E-04	6.14E-08	2.60E-08
3275	496363.09, 3847377.25	1.19E-04	3.76E-08	1.59E-08	1.29E-04	4.06E-08	1.72E-08	2.06E-04	6.50E-08	2.76E-08
3276	496863.09, 3847377.25	1.30E-04	4.10E-08	1.74E-08	1.40E-04	4.43E-08	1.88E-08	2.25E-04	7.09E-08	3.01E-08
3277	497363.09, 3847377.25	1.43E-04	4.52E-08	1.92E-08	1.55E-04	4.89E-08	2.07E-08	2.48E-04	7.81E-08	3.32E-08
3278	497863.09, 3847377.25	1.59E-04	5.01E-08	2.13E-08	1.72E-04	5.41E-08	2.30E-08	2.74E-04	8.65E-08	3.67E-08
3279	498363.09, 3847377.25	1.67E-04	5.28E-08	2.24E-08	1.81E-04	5.71E-08	2.42E-08	2.89E-04	9.12E-08	3.87E-08
3280	471363.09, 3847877.25	2.68E-04	8.45E-08	3.59E-08	2.89E-04	9.12E-08	3.87E-08	4.58E-04	1.45E-07	6.13E-08
3281	471863.09, 3847877.25	2.73E-04	8.63E-08	3.66E-08	2.95E-04	9.31E-08	3.95E-08	4.67E-04	1.47E-07	6.25E-08
3282	472363.09, 3847877.25	2.75E-04	8.69E-08	3.69E-08	2.97E-04	9.38E-08	3.98E-08	4.70E-04	1.48E-07	6.29E-08
3283	472863.09, 3847877.25	2.76E-04	8.71E-08	3.69E-08	2.98E-04	9.39E-08	3.98E-08	4.70E-04	1.48E-07	6.29E-08
3284	473363.09, 3847877.25	2.77E-04	8.75E-08	3.71E-08	2.99E-04	9.44E-08	4.00E-08	4.71E-04	1.49E-07	6.31E-08
3285	473863.09, 3847877.25	2.60E-04	8.21E-08	3.48E-08	2.80E-04	8.85E-08	3.76E-08	4.42E-04	1.40E-07	5.92E-08
3286	474363.09, 3847877.25	2.13E-04	6.72E-08	2.85E-08	2.30E-04	7.24E-08	3.07E-08	3.63E-04	1.14E-07	4.86E-08
3287	474863.09, 3847877.25	2.12E-04	6.68E-08	2.83E-08	2.28E-04	7.20E-08	3.06E-08	3.60E-04	1.14E-07	4.82E-08
3288	475363.09, 3847877.25	1.93E-04	6.10E-08	2.59E-08	2.09E-04	6.58E-08	2.79E-08	3.29E-04	1.04E-07	4.41E-08
3289	475863.09, 3847877.25	1.98E-04	6.26E-08	2.66E-08	2.14E-04	6.75E-08	2.86E-08	3.38E-04	1.07E-07	4.52E-08
3290	476363.09, 3847877.25	2.99E-04	9.43E-08	4.00E-08	3.22E-04	1.02E-07	4.32E-08	5.09E-04	1.61E-07	6.82E-08

3291	476863.09, 3847877.25	3.64E-04	1.15E-07	4.88E-08	3.93E-04	1.24E-07	5.26E-08	6.22E-04	1.96E-07	8.33E-08
3292	477363.09, 3847877.25	3.61E-04	1.14E-07	4.83E-08	3.89E-04	1.23E-07	5.21E-08	6.16E-04	1.95E-07	8.25E-08
3293	477863.09, 3847877.25	3.15E-04	9.94E-08	4.22E-08	3.40E-04	1.07E-07	4.55E-08	5.37E-04	1.70E-07	7.19E-08
3294	478363.09, 3847877.25	2.69E-04	8.49E-08	3.60E-08	2.90E-04	9.16E-08	3.89E-08	4.59E-04	1.45E-07	6.14E-08
3295	478863.09, 3847877.25	2.33E-04	7.36E-08	3.12E-08	2.51E-04	7.94E-08	3.37E-08	3.96E-04	1.25E-07	5.30E-08
3296	479363.09, 3847877.25	1.63E-04	5.16E-08	2.19E-08	1.76E-04	5.56E-08	2.36E-08	2.78E-04	8.78E-08	3.72E-08
3297	479863.09, 3847877.25	1.05E-04	3.32E-08	1.41E-08	1.14E-04	3.58E-08	1.52E-08	1.80E-04	5.67E-08	2.41E-08
3298	480363.09, 3847877.25	1.07E-04	3.38E-08	1.43E-08	1.16E-04	3.65E-08	1.55E-08	1.82E-04	5.76E-08	2.44E-08
3299	480863.09, 3847877.25	9.71E-05	3.06E-08	1.30E-08	1.05E-04	3.31E-08	1.40E-08	1.66E-04	5.22E-08	2.22E-08
3300	481363.09, 3847877.25	9.84E-05	3.10E-08	1.32E-08	1.06E-04	3.35E-08	1.42E-08	1.68E-04	5.29E-08	2.25E-08
3301	481863.09, 3847877.25	1.23E-04	3.88E-08	1.65E-08	1.33E-04	4.18E-08	1.78E-08	2.09E-04	6.58E-08	2.79E-08
3302	482363.09, 3847877.25	1.16E-04	3.68E-08	1.56E-08	1.26E-04	3.96E-08	1.68E-08	1.98E-04	6.24E-08	2.65E-08
3303	482863.09, 3847877.25	1.07E-04	3.37E-08	1.43E-08	1.15E-04	3.63E-08	1.54E-08	1.81E-04	5.71E-08	2.42E-08
3304	483363.09, 3847877.25	1.01E-04	3.20E-08	1.36E-08	1.09E-04	3.45E-08	1.46E-08	1.72E-04	5.43E-08	2.30E-08
3305	483863.09, 3847877.25	9.90E-05	3.12E-08	1.33E-08	1.07E-04	3.37E-08	1.43E-08	1.68E-04	5.30E-08	2.25E-08
3306	484363.09, 3847877.25	9.85E-05	3.11E-08	1.32E-08	1.06E-04	3.35E-08	1.42E-08	1.67E-04	5.27E-08	2.23E-08
3307	484863.09, 3847877.25	9.52E-05	3.00E-08	1.27E-08	1.03E-04	3.24E-08	1.37E-08	1.62E-04	5.10E-08	2.16E-08
3308	485363.09, 3847877.25	9.38E-05	2.96E-08	1.26E-08	1.01E-04	3.19E-08	1.35E-08	1.59E-04	5.02E-08	2.13E-08
3309	485863.09, 3847877.25	9.24E-05	2.92E-08	1.24E-08	9.96E-05	3.14E-08	1.33E-08	1.57E-04	4.94E-08	2.10E-08
3310	486363.09, 3847877.25	8.63E-05	2.72E-08	1.16E-08	9.30E-05	2.94E-08	1.25E-08	1.47E-04	4.63E-08	1.96E-08
3311	486863.09, 3847877.25	8.15E-05	2.57E-08	1.09E-08	8.79E-05	2.77E-08	1.18E-08	1.39E-04	4.37E-08	1.85E-08
3312	487363.09, 3847877.25	7.91E-05	2.50E-08	1.06E-08	8.53E-05	2.69E-08	1.14E-08	1.35E-04	4.25E-08	1.80E-08
3313	487863.09, 3847877.25	7.60E-05	2.40E-08	1.02E-08	8.21E-05	2.59E-08	1.10E-08	1.30E-04	4.11E-08	1.74E-08
3314	488363.09, 3847877.25	7.60E-05	2.40E-08	1.02E-08	8.20E-05	2.59E-08	1.10E-08	1.30E-04	4.11E-08	1.75E-08
3315	488863.09, 3847877.25	7.73E-05	2.44E-08	1.03E-08	8.34E-05	2.63E-08	1.12E-08	1.33E-04	4.18E-08	1.78E-08
3316	489363.09, 3847877.25	7.92E-05	2.50E-08	1.06E-08	8.56E-05	2.70E-08	1.15E-08	1.36E-04	4.29E-08	1.82E-08
3317	489863.09, 3847877.25	8.33E-05	2.63E-08	1.12E-08	9.00E-05	2.84E-08	1.20E-08	1.43E-04	4.52E-08	1.92E-08
3318	490363.09, 3847877.25	8.50E-05	2.68E-08	1.14E-08	9.18E-05	2.90E-08	1.23E-08	1.46E-04	4.62E-08	1.96E-08
3319	490863.09, 3847877.25	8.54E-05	2.69E-08	1.14E-08	9.22E-05	2.91E-08	1.23E-08	1.47E-04	4.64E-08	1.97E-08
3320	491363.09, 3847877.25	8.45E-05	2.67E-08	1.13E-08	9.13E-05	2.88E-08	1.22E-08	1.46E-04	4.60E-08	1.95E-08
3321	491863.09, 3847877.25	8.77E-05	2.77E-08	1.17E-08	9.48E-05	2.99E-08	1.27E-08	1.51E-04	4.78E-08	2.03E-08
3322	492363.09, 3847877.25	9.25E-05	2.92E-08	1.24E-08	9.99E-05	3.15E-08	1.34E-08	1.60E-04	5.04E-08	2.14E-08
3323	492863.09, 3847877.25	9.68E-05	3.06E-08	1.30E-08	1.05E-04	3.30E-08	1.40E-08	1.67E-04	5.29E-08	2.24E-08
3324	493363.09, 3847877.25	9.78E-05	3.09E-08	1.31E-08	1.06E-04	3.34E-08	1.42E-08	1.69E-04	5.35E-08	2.27E-08
3325	493863.09, 3847877.25	1.01E-04	3.18E-08	1.35E-08	1.09E-04	3.43E-08	1.46E-08	1.74E-04	5.50E-08	2.33E-08
3326	494363.09, 3847877.25	1.06E-04	3.33E-08	1.41E-08	1.14E-04	3.60E-08	1.53E-08	1.83E-04	5.77E-08	2.45E-08
3327	494863.09, 3847877.25	1.12E-04	3.53E-08	1.50E-08	1.21E-04	3.81E-08	1.62E-08	1.94E-04	6.11E-08	2.59E-08
3328	495363.09, 3847877.25	1.16E-04	3.65E-08	1.55E-08	1.25E-04	3.95E-08	1.68E-08	2.01E-04	6.33E-08	2.69E-08
3329	495863.09, 3847877.25	1.12E-04	3.53E-08	1.50E-08	1.21E-04	3.82E-08	1.62E-08	1.94E-04	6.12E-08	2.60E-08
3330	496363.09, 3847877.25	1.31E-04	4.14E-08	1.76E-08	1.42E-04	4.47E-08	1.90E-08	2.27E-04	7.17E-08	3.04E-08
3331	496863.09, 3847877.25	1.42E-04	4.49E-08	1.90E-08	1.54E-04	4.85E-08	2.06E-08	2.46E-04	7.76E-08	3.29E-08
3332	497363.09, 3847877.25	1.57E-04	4.97E-08	2.11E-08	1.70E-04	5.37E-08	2.28E-08	2.72E-04	8.59E-08	3.65E-08
3333	497863.09, 3847877.25	1.83E-04	5.79E-08	2.45E-08	1.98E-04	6.25E-08	2.65E-08	3.17E-04	1.00E-07	4.24E-08
3334	498363.09, 3847877.25	1.98E-04	6.26E-08	2.65E-08	2.14E-04	6.76E-08	2.87E-08	3.43E-04	1.08E-07	4.59E-08
3335	471363.09, 3848377.25	2.87E-04	9.04E-08	3.84E-08	3.09E-04	9.76E-08	4.14E-08	4.90E-04	1.55E-07	6.56E-08
3336	471863.09, 3848377.25	2.94E-04	9.29E-08	3.94E-08	3.17E-04	1.00E-07	4.25E-08	5.03E-04	1.59E-07	6.74E-08
3337	472363.09, 3848377.25	2.99E-04	9.43E-08	4.00E-08	3.22E-04	1.02E-07	4.32E-08	5.11E-04	1.61E-07	6.84E-08
3338	472863.09, 3848377.25	3.04E-04	9.60E-08	4.07E-08	3.28E-04	1.04E-07	4.39E-08	5.19E-04	1.64E-07	6.95E-08
3339	473363.09, 3848377.25	3.05E-04	9.63E-08	4.09E-08	3.29E-04	1.04E-07	4.41E-08	5.20E-04	1.64E-07	6.97E-08
3340	473863.09, 3848377.25	3.07E-04	9.69E-08	4.11E-08	3.31E-04	1.04E-07	4.43E-08	5.22E-04	1.65E-07	6.99E-08
3341	474363.09, 3848377.25	2.96E-04	9.35E-08	3.97E-08	3.20E-04	1.01E-07	4.28E-08	5.04E-04	1.59E-07	6.75E-08
3342	474863.09, 3848377.25	2.54E-04	8.00E-08	3.40E-08	2.73E-04	8.63E-08	3.66E-08	4.32E-04	1.36E-07	5.78E-08
3343	475363.09, 3848377.25	2.59E-04	8.18E-08	3.47E-08	2.80E-04	8.82E-08	3.74E-08	4.41E-04	1.39E-07	5.90E-08
3344	475863.09, 3848377.25	2.27E-04	7.15E-08	3.04E-08	2.44E-04	7.72E-08	3.27E-08	3.85E-04	1.22E-07	5.16E-08
3345	476363.09, 3848377.25	2.22E-04	7.02E-08	2.98E-08	2.40E-04	7.57E-08	3.21E-08	3.79E-04	1.19E-07	5.07E-08
3346	476863.09, 3848377.25	3.54E-04	1.12E-07	4.74E-08	3.82E-04	1.21E-07	5.12E-08	6.03E-04	1.90E-07	8.08E-08
3347	477363.09, 3848377.25	4.05E-04	1.28E-07	5.43E-08	4.37E-04	1.38E-07	5.86E-08	6.92E-04	2.19E-07	9.27E-08
3348	477863.09, 3848377.25	4.06E-04	1.28E-07	5.43E-08	4.38E-04	1.38E-07	5.86E-08	6.93E-04	2.19E-07	9.28E-08
3349	478363.09, 3848377.25	3.44E-04	1.09E-07	4.61E-08	3.71E-04	1.17E-07	4.97E-08	5.87E-04	1.85E-07	7.86E-08
3350	478863.09, 3848377.25	2.79E-04	8.80E-08	3.73E-08	3.01E-04	9.49E-08	4.03E-08	4.75E-04	1.50E-07	6.36E-08
3351	479363.09, 3848377.25	1.92E-04	6.05E-08	2.57E-08	2.07E-04	6.53E-08	2.77E-08	3.26E-04	1.03E-07	4.37E-08

3352	479863.09, 3848377.25	8.59E-05	2.71E-08	1.15E-08	9.28E-05	2.93E-08	1.24E-08	1.48E-04	4.67E-08	1.98E-08
3353	480363.09, 3848377.25	1.10E-04	3.47E-08	1.47E-08	1.19E-04	3.75E-08	1.59E-08	1.88E-04	5.93E-08	2.51E-08
3354	480863.09, 3848377.25	1.40E-04	4.43E-08	1.88E-08	1.51E-04	4.78E-08	2.03E-08	2.39E-04	7.53E-08	3.19E-08
3355	481363.09, 3848377.25	1.40E-04	4.43E-08	1.88E-08	1.51E-04	4.77E-08	2.03E-08	2.38E-04	7.52E-08	3.19E-08
3356	481863.09, 3848377.25	1.44E-04	4.53E-08	1.92E-08	1.55E-04	4.89E-08	2.07E-08	2.44E-04	7.69E-08	3.26E-08
3357	482363.09, 3848377.25	1.43E-04	4.50E-08	1.91E-08	1.54E-04	4.86E-08	2.06E-08	2.42E-04	7.65E-08	3.25E-08
3358	482863.09, 3848377.25	1.25E-04	3.93E-08	1.67E-08	1.34E-04	4.24E-08	1.80E-08	2.11E-04	6.66E-08	2.83E-08
3359	483363.09, 3848377.25	1.20E-04	3.78E-08	1.61E-08	1.29E-04	4.08E-08	1.73E-08	2.03E-04	6.41E-08	2.72E-08
3360	483863.09, 3848377.25	1.11E-04	3.50E-08	1.48E-08	1.20E-04	3.77E-08	1.60E-08	1.88E-04	5.93E-08	2.52E-08
3361	484363.09, 3848377.25	1.07E-04	3.38E-08	1.44E-08	1.16E-04	3.65E-08	1.55E-08	1.82E-04	5.73E-08	2.43E-08
3362	484863.09, 3848377.25	1.13E-04	3.56E-08	1.51E-08	1.21E-04	3.83E-08	1.63E-08	1.91E-04	6.03E-08	2.56E-08
3363	485363.09, 3848377.25	1.08E-04	3.42E-08	1.45E-08	1.17E-04	3.69E-08	1.57E-08	1.84E-04	5.80E-08	2.46E-08
3364	485863.09, 3848377.25	1.06E-04	3.33E-08	1.41E-08	1.14E-04	3.59E-08	1.53E-08	1.79E-04	5.66E-08	2.40E-08
3365	486363.09, 3848377.25	1.00E-04	3.16E-08	1.34E-08	1.08E-04	3.40E-08	1.44E-08	1.70E-04	5.35E-08	2.27E-08
3366	486863.09, 3848377.25	9.36E-05	2.95E-08	1.25E-08	1.01E-04	3.19E-08	1.35E-08	1.59E-04	5.02E-08	2.13E-08
3367	487363.09, 3848377.25	8.78E-05	2.77E-08	1.18E-08	9.47E-05	2.99E-08	1.27E-08	1.50E-04	4.72E-08	2.00E-08
3368	487863.09, 3848377.25	8.79E-05	2.77E-08	1.18E-08	9.48E-05	2.99E-08	1.27E-08	1.50E-04	4.74E-08	2.01E-08
3369	488363.09, 3848377.25	8.84E-05	2.79E-08	1.18E-08	9.54E-05	3.01E-08	1.28E-08	1.51E-04	4.78E-08	2.03E-08
3370	488863.09, 3848377.25	9.04E-05	2.85E-08	1.21E-08	9.76E-05	3.08E-08	1.31E-08	1.55E-04	4.89E-08	2.08E-08
3371	489363.09, 3848377.25	9.34E-05	2.95E-08	1.25E-08	1.01E-04	3.18E-08	1.35E-08	1.60E-04	5.05E-08	2.14E-08
3372	489863.09, 3848377.25	1.00E-04	3.15E-08	1.34E-08	1.08E-04	3.41E-08	1.44E-08	1.71E-04	5.41E-08	2.30E-08
3373	490363.09, 3848377.25	1.01E-04	3.20E-08	1.36E-08	1.09E-04	3.45E-08	1.47E-08	1.74E-04	5.49E-08	2.33E-08
3374	490863.09, 3848377.25	1.00E-04	3.17E-08	1.35E-08	1.08E-04	3.42E-08	1.45E-08	1.73E-04	5.46E-08	2.32E-08
3375	491363.09, 3848377.25	1.03E-04	3.24E-08	1.37E-08	1.11E-04	3.50E-08	1.48E-08	1.77E-04	5.58E-08	2.37E-08
3376	491863.09, 3848377.25	1.06E-04	3.33E-08	1.41E-08	1.14E-04	3.60E-08	1.53E-08	1.82E-04	5.75E-08	2.44E-08
3377	492363.09, 3848377.25	1.06E-04	3.34E-08	1.42E-08	1.15E-04	3.61E-08	1.53E-08	1.83E-04	5.78E-08	2.45E-08
3378	492863.09, 3848377.25	1.06E-04	3.34E-08	1.42E-08	1.14E-04	3.60E-08	1.53E-08	1.83E-04	5.77E-08	2.45E-08
3379	493363.09, 3848377.25	1.09E-04	3.45E-08	1.47E-08	1.18E-04	3.73E-08	1.58E-08	1.90E-04	5.99E-08	2.54E-08
3380	493863.09, 3848377.25	1.14E-04	3.60E-08	1.53E-08	1.23E-04	3.89E-08	1.65E-08	1.98E-04	6.24E-08	2.65E-08
3381	494363.09, 3848377.25	1.18E-04	3.72E-08	1.58E-08	1.27E-04	4.02E-08	1.70E-08	2.04E-04	6.44E-08	2.73E-08
3382	494863.09, 3848377.25	1.25E-04	3.96E-08	1.68E-08	1.36E-04	4.28E-08	1.82E-08	2.18E-04	6.87E-08	2.91E-08
3383	495363.09, 3848377.25	1.25E-04	3.96E-08	1.68E-08	1.35E-04	4.28E-08	1.81E-08	2.17E-04	6.86E-08	2.91E-08
3384	495863.09, 3848377.25	1.31E-04	4.12E-08	1.75E-08	1.41E-04	4.46E-08	1.89E-08	2.27E-04	7.15E-08	3.03E-08
3385	496363.09, 3848377.25	1.44E-04	4.54E-08	1.93E-08	1.55E-04	4.90E-08	2.08E-08	2.49E-04	7.86E-08	3.33E-08
3386	496863.09, 3848377.25	1.48E-04	4.67E-08	1.98E-08	1.60E-04	5.04E-08	2.14E-08	2.56E-04	8.08E-08	3.43E-08
3387	497363.09, 3848377.25	1.68E-04	5.30E-08	2.25E-08	1.81E-04	5.72E-08	2.43E-08	2.91E-04	9.17E-08	3.89E-08
3388	497863.09, 3848377.25	2.20E-04	6.94E-08	2.94E-08	2.37E-04	7.49E-08	3.18E-08	3.80E-04	1.20E-07	5.08E-08
3389	498363.09, 3848377.25	2.32E-04	7.33E-08	3.11E-08	2.51E-04	7.92E-08	3.36E-08	4.01E-04	1.27E-07	5.37E-08
3390	471363.09, 3848877.25	2.88E-04	9.10E-08	3.86E-08	3.11E-04	9.82E-08	4.17E-08	4.92E-04	1.55E-07	6.59E-08
3391	471863.09, 3848877.25	3.09E-04	9.74E-08	4.13E-08	3.33E-04	1.05E-07	4.46E-08	5.27E-04	1.66E-07	7.06E-08
3392	472363.09, 3848877.25	3.22E-04	1.02E-07	4.32E-08	3.48E-04	1.10E-07	4.66E-08	5.51E-04	1.74E-07	7.38E-08
3393	472863.09, 3848877.25	3.31E-04	1.05E-07	4.44E-08	3.57E-04	1.13E-07	4.79E-08	5.66E-04	1.79E-07	7.59E-08
3394	473363.09, 3848877.25	3.40E-04	1.07E-07	4.55E-08	3.66E-04	1.16E-07	4.91E-08	5.80E-04	1.83E-07	7.77E-08
3395	473863.09, 3848877.25	3.42E-04	1.08E-07	4.58E-08	3.69E-04	1.16E-07	4.94E-08	5.84E-04	1.84E-07	7.81E-08
3396	474363.09, 3848877.25	3.46E-04	1.09E-07	4.64E-08	3.73E-04	1.18E-07	5.00E-08	5.89E-04	1.86E-07	7.89E-08
3397	474863.09, 3848877.25	3.27E-04	1.03E-07	4.38E-08	3.53E-04	1.11E-07	4.72E-08	5.56E-04	1.76E-07	7.45E-08
3398	475363.09, 3848877.25	3.11E-04	9.82E-08	4.17E-08	3.36E-04	1.06E-07	4.49E-08	5.29E-04	1.67E-07	7.09E-08
3399	475863.09, 3848877.25	3.07E-04	9.68E-08	4.11E-08	3.31E-04	1.04E-07	4.43E-08	5.21E-04	1.65E-07	6.98E-08
3400	476363.09, 3848877.25	2.77E-04	8.73E-08	3.70E-08	2.98E-04	9.41E-08	3.99E-08	4.70E-04	1.48E-07	6.29E-08
3401	476863.09, 3848877.25	2.78E-04	8.79E-08	3.73E-08	3.00E-04	9.48E-08	4.02E-08	4.73E-04	1.49E-07	6.34E-08
3402	477363.09, 3848877.25	4.21E-04	1.33E-07	5.63E-08	4.54E-04	1.43E-07	6.07E-08	7.16E-04	2.26E-07	9.59E-08
3403	477863.09, 3848877.25	4.76E-04	1.50E-07	6.37E-08	5.14E-04	1.62E-07	6.88E-08	8.13E-04	2.57E-07	1.09E-07
3404	478363.09, 3848877.25	4.70E-04	1.48E-07	6.29E-08	5.07E-04	1.60E-07	6.79E-08	8.03E-04	2.53E-07	1.08E-07
3405	478863.09, 3848877.25	3.77E-04	1.19E-07	5.05E-08	4.07E-04	1.28E-07	5.45E-08	6.43E-04	2.03E-07	8.61E-08
3406	479363.09, 3848877.25	2.84E-04	8.95E-08	3.80E-08	3.06E-04	9.65E-08	4.10E-08	4.83E-04	1.52E-07	6.47E-08
3407	479863.09, 3848877.25	2.11E-04	6.67E-08	2.83E-08	2.28E-04	7.20E-08	3.05E-08	3.60E-04	1.14E-07	4.82E-08
3408	480363.09, 3848877.25	2.15E-04	6.78E-08	2.88E-08	2.32E-04	7.31E-08	3.10E-08	3.65E-04	1.15E-07	4.88E-08
3409	480863.09, 3848877.25	2.12E-04	6.71E-08	2.84E-08	2.29E-04	7.23E-08	3.07E-08	3.60E-04	1.14E-07	4.82E-08
3410	481363.09, 3848877.25	1.96E-04	6.19E-08	2.63E-08	2.11E-04	6.67E-08	2.83E-08	3.33E-04	1.05E-07	4.46E-08
3411	481863.09, 3848877.25	1.69E-04	5.32E-08	2.26E-08	1.82E-04	5.73E-08	2.43E-08	2.86E-04	9.02E-08	3.83E-08
3412	482363.09, 3848877.25	1.44E-04	4.53E-08	1.92E-08	1.55E-04	4.88E-08	2.07E-08	2.44E-04	7.69E-08	3.26E-08

3413	482863.09, 3848877.25	1.24E-04	3.91E-08	1.66E-08	1.34E-04	4.22E-08	1.79E-08	2.10E-04	6.64E-08	2.82E-08
3414	483363.09, 3848877.25	1.12E-04	3.52E-08	1.49E-08	1.20E-04	3.80E-08	1.61E-08	1.90E-04	5.98E-08	2.54E-08
3415	483863.09, 3848877.25	1.09E-04	3.43E-08	1.45E-08	1.17E-04	3.69E-08	1.57E-08	1.85E-04	5.82E-08	2.47E-08
3416	484363.09, 3848877.25	1.21E-04	3.81E-08	1.62E-08	1.30E-04	4.10E-08	1.74E-08	2.04E-04	6.45E-08	2.74E-08
3417	484863.09, 3848877.25	1.33E-04	4.20E-08	1.78E-08	1.44E-04	4.53E-08	1.92E-08	2.26E-04	7.12E-08	3.02E-08
3418	485363.09, 3848877.25	1.27E-04	4.01E-08	1.70E-08	1.37E-04	4.32E-08	1.83E-08	2.15E-04	6.79E-08	2.88E-08
3419	485863.09, 3848877.25	1.22E-04	3.86E-08	1.64E-08	1.32E-04	4.16E-08	1.77E-08	2.07E-04	6.54E-08	2.78E-08
3420	486363.09, 3848877.25	1.13E-04	3.56E-08	1.51E-08	1.21E-04	3.83E-08	1.63E-08	1.91E-04	6.04E-08	2.56E-08
3421	486863.09, 3848877.25	1.04E-04	3.27E-08	1.39E-08	1.12E-04	3.53E-08	1.50E-08	1.76E-04	5.57E-08	2.36E-08
3422	487363.09, 3848877.25	1.04E-04	3.30E-08	1.40E-08	1.13E-04	3.55E-08	1.51E-08	1.78E-04	5.62E-08	2.38E-08
3423	487863.09, 3848877.25	1.04E-04	3.27E-08	1.39E-08	1.12E-04	3.53E-08	1.50E-08	1.77E-04	5.59E-08	2.37E-08
3424	488363.09, 3848877.25	1.06E-04	3.33E-08	1.41E-08	1.14E-04	3.60E-08	1.53E-08	1.81E-04	5.70E-08	2.42E-08
3425	488863.09, 3848877.25	1.07E-04	3.39E-08	1.44E-08	1.16E-04	3.66E-08	1.55E-08	1.84E-04	5.80E-08	2.46E-08
3426	489363.09, 3848877.25	1.12E-04	3.54E-08	1.50E-08	1.21E-04	3.82E-08	1.62E-08	1.92E-04	6.07E-08	2.58E-08
3427	489863.09, 3848877.25	1.18E-04	3.72E-08	1.58E-08	1.27E-04	4.02E-08	1.71E-08	2.02E-04	6.39E-08	2.71E-08
3428	490363.09, 3848877.25	1.18E-04	3.72E-08	1.58E-08	1.27E-04	4.02E-08	1.71E-08	2.03E-04	6.40E-08	2.71E-08
3429	490863.09, 3848877.25	1.18E-04	3.73E-08	1.58E-08	1.28E-04	4.03E-08	1.71E-08	2.04E-04	6.42E-08	2.73E-08
3430	491363.09, 3848877.25	1.22E-04	3.86E-08	1.64E-08	1.32E-04	4.17E-08	1.77E-08	2.11E-04	6.66E-08	2.82E-08
3431	491863.09, 3848877.25	1.22E-04	3.85E-08	1.63E-08	1.32E-04	4.16E-08	1.77E-08	2.11E-04	6.66E-08	2.83E-08
3432	492363.09, 3848877.25	1.22E-04	3.84E-08	1.63E-08	1.32E-04	4.15E-08	1.76E-08	2.11E-04	6.65E-08	2.82E-08
3433	492863.09, 3848877.25	1.20E-04	3.77E-08	1.60E-08	1.29E-04	4.08E-08	1.73E-08	2.07E-04	6.55E-08	2.78E-08
3434	493363.09, 3848877.25	1.18E-04	3.73E-08	1.58E-08	1.28E-04	4.03E-08	1.71E-08	2.05E-04	6.47E-08	2.75E-08
3435	493863.09, 3848877.25	1.26E-04	3.99E-08	1.69E-08	1.37E-04	4.31E-08	1.83E-08	2.19E-04	6.92E-08	2.94E-08
3436	494363.09, 3848877.25	1.33E-04	4.19E-08	1.78E-08	1.44E-04	4.53E-08	1.92E-08	2.31E-04	7.28E-08	3.09E-08
3437	494863.09, 3848877.25	1.44E-04	4.54E-08	1.92E-08	1.55E-04	4.90E-08	2.08E-08	2.49E-04	7.87E-08	3.34E-08
3438	495363.09, 3848877.25	1.53E-04	4.82E-08	2.04E-08	1.65E-04	5.21E-08	2.21E-08	2.64E-04	8.35E-08	3.54E-08
3439	495863.09, 3848877.25	1.50E-04	4.72E-08	2.00E-08	1.62E-04	5.11E-08	2.17E-08	2.59E-04	8.19E-08	3.47E-08
3440	496363.09, 3848877.25	1.58E-04	5.00E-08	2.12E-08	1.71E-04	5.40E-08	2.29E-08	2.74E-04	8.66E-08	3.68E-08
3441	496863.09, 3848877.25	1.79E-04	5.66E-08	2.40E-08	1.94E-04	6.12E-08	2.60E-08	3.10E-04	9.80E-08	4.16E-08
3442	497363.09, 3848877.25	2.24E-04	7.08E-08	3.00E-08	2.42E-04	7.65E-08	3.25E-08	3.88E-04	1.22E-07	5.19E-08
3443	497863.09, 3848877.25	2.51E-04	7.92E-08	3.36E-08	2.71E-04	8.55E-08	3.63E-08	4.33E-04	1.37E-07	5.80E-08
3444	498363.09, 3848877.25	2.74E-04	8.64E-08	3.67E-08	2.96E-04	9.33E-08	3.96E-08	4.73E-04	1.49E-07	6.33E-08
3445	471363.09, 3849377.25	2.71E-04	8.56E-08	3.63E-08	2.93E-04	9.23E-08	3.92E-08	4.62E-04	1.46E-07	6.19E-08
3446	471863.09, 3849377.25	3.04E-04	9.61E-08	4.08E-08	3.28E-04	1.04E-07	4.40E-08	5.19E-04	1.64E-07	6.95E-08
3447	472363.09, 3849377.25	3.29E-04	1.04E-07	4.40E-08	3.55E-04	1.12E-07	4.75E-08	5.61E-04	1.77E-07	7.52E-08
3448	472863.09, 3849377.25	3.50E-04	1.11E-07	4.69E-08	3.78E-04	1.19E-07	5.06E-08	5.98E-04	1.89E-07	8.01E-08
3449	473363.09, 3849377.25	3.66E-04	1.16E-07	4.90E-08	3.95E-04	1.25E-07	5.29E-08	6.26E-04	1.98E-07	8.38E-08
3450	473863.09, 3849377.25	3.78E-04	1.19E-07	5.06E-08	4.07E-04	1.29E-07	5.46E-08	6.46E-04	2.04E-07	8.64E-08
3451	474363.09, 3849377.25	3.85E-04	1.21E-07	5.15E-08	4.15E-04	1.31E-07	5.56E-08	6.57E-04	2.07E-07	8.79E-08
3452	474863.09, 3849377.25	3.90E-04	1.23E-07	5.22E-08	4.21E-04	1.33E-07	5.63E-08	6.65E-04	2.10E-07	8.90E-08
3453	475363.09, 3849377.25	3.88E-04	1.23E-07	5.20E-08	4.19E-04	1.32E-07	5.61E-08	6.60E-04	2.08E-07	8.84E-08
3454	475863.09, 3849377.25	3.89E-04	1.23E-07	5.21E-08	4.20E-04	1.32E-07	5.62E-08	6.60E-04	2.08E-07	8.84E-08
3455	476363.09, 3849377.25	3.79E-04	1.20E-07	5.07E-08	4.08E-04	1.29E-07	5.47E-08	6.42E-04	2.03E-07	8.60E-08
3456	476863.09, 3849377.25	3.52E-04	1.11E-07	4.72E-08	3.80E-04	1.20E-07	5.08E-08	5.97E-04	1.88E-07	8.00E-08
3457	477363.09, 3849377.25	3.62E-04	1.14E-07	4.85E-08	3.91E-04	1.23E-07	5.23E-08	6.15E-04	1.94E-07	8.23E-08
3458	477863.09, 3849377.25	4.57E-04	1.44E-07	6.12E-08	4.93E-04	1.56E-07	6.60E-08	7.79E-04	2.46E-07	1.04E-07
3459	478363.09, 3849377.25	5.54E-04	1.75E-07	7.42E-08	5.98E-04	1.89E-07	8.01E-08	9.47E-04	2.99E-07	1.27E-07
3460	478863.09, 3849377.25	5.00E-04	1.58E-07	6.70E-08	5.40E-04	1.70E-07	7.23E-08	8.55E-04	2.70E-07	1.14E-07
3461	479363.09, 3849377.25	4.17E-04	1.32E-07	5.59E-08	4.50E-04	1.42E-07	6.03E-08	7.11E-04	2.24E-07	9.52E-08
3462	479863.09, 3849377.25	3.02E-04	9.52E-08	4.04E-08	3.25E-04	1.03E-07	4.35E-08	5.13E-04	1.62E-07	6.87E-08
3463	480363.09, 3849377.25	3.23E-04	1.02E-07	4.33E-08	3.49E-04	1.10E-07	4.67E-08	5.48E-04	1.73E-07	7.34E-08
3464	480863.09, 3849377.25	2.88E-04	9.09E-08	3.86E-08	3.10E-04	9.79E-08	4.15E-08	4.87E-04	1.54E-07	6.52E-08
3465	481363.09, 3849377.25	2.30E-04	7.25E-08	3.08E-08	2.48E-04	7.82E-08	3.32E-08	3.90E-04	1.23E-07	5.22E-08
3466	481863.09, 3849377.25	1.66E-04	5.24E-08	2.22E-08	1.79E-04	5.65E-08	2.40E-08	2.82E-04	8.91E-08	3.78E-08
3467	482363.09, 3849377.25	1.50E-04	4.72E-08	2.00E-08	1.61E-04	5.09E-08	2.16E-08	2.54E-04	8.03E-08	3.41E-08
3468	482863.09, 3849377.25	1.27E-04	4.01E-08	1.70E-08	1.37E-04	4.33E-08	1.84E-08	2.16E-04	6.83E-08	2.90E-08
3469	483363.09, 3849377.25	1.18E-04	3.72E-08	1.58E-08	1.27E-04	4.01E-08	1.70E-08	2.01E-04	6.33E-08	2.69E-08
3470	483863.09, 3849377.25	1.03E-04	3.26E-08	1.38E-08	1.11E-04	3.52E-08	1.49E-08	1.76E-04	5.55E-08	2.36E-08
3471	484363.09, 3849377.25	1.33E-04	4.20E-08	1.78E-08	1.43E-04	4.53E-08	1.92E-08	2.25E-04	7.12E-08	3.02E-08
3472	484863.09, 3849377.25	1.56E-04	4.92E-08	2.09E-08	1.68E-04	5.30E-08	2.25E-08	2.64E-04	8.32E-08	3.53E-08
3473	485363.09, 3849377.25	1.51E-04	4.75E-08	2.02E-08	1.62E-04	5.12E-08	2.17E-08	2.55E-04	8.04E-08	3.41E-08

3474	485863.09, 3849377.25	1.20E-04	3.79E-08	1.61E-08	1.30E-04	4.09E-08	1.73E-08	2.04E-04	6.44E-08	2.73E-08
3475	486363.09, 3849377.25	1.05E-04	3.30E-08	1.40E-08	1.13E-04	3.56E-08	1.51E-08	1.78E-04	5.62E-08	2.39E-08
3476	486863.09, 3849377.25	1.20E-04	3.78E-08	1.60E-08	1.29E-04	4.07E-08	1.73E-08	2.04E-04	6.43E-08	2.73E-08
3477	487363.09, 3849377.25	1.25E-04	3.95E-08	1.68E-08	1.35E-04	4.26E-08	1.81E-08	2.14E-04	6.75E-08	2.86E-08
3478	487863.09, 3849377.25	1.25E-04	3.94E-08	1.67E-08	1.35E-04	4.26E-08	1.81E-08	2.14E-04	6.74E-08	2.86E-08
3479	488363.09, 3849377.25	1.27E-04	4.01E-08	1.70E-08	1.37E-04	4.33E-08	1.84E-08	2.17E-04	6.85E-08	2.91E-08
3480	488863.09, 3849377.25	1.32E-04	4.17E-08	1.77E-08	1.42E-04	4.50E-08	1.91E-08	2.26E-04	7.12E-08	3.02E-08
3481	489363.09, 3849377.25	1.37E-04	4.32E-08	1.83E-08	1.48E-04	4.67E-08	1.98E-08	2.35E-04	7.41E-08	3.14E-08
3482	489863.09, 3849377.25	1.41E-04	4.45E-08	1.89E-08	1.52E-04	4.81E-08	2.04E-08	2.42E-04	7.64E-08	3.24E-08
3483	490363.09, 3849377.25	1.41E-04	4.46E-08	1.89E-08	1.53E-04	4.81E-08	2.04E-08	2.43E-04	7.67E-08	3.26E-08
3484	490863.09, 3849377.25	1.44E-04	4.53E-08	1.92E-08	1.55E-04	4.90E-08	2.08E-08	2.48E-04	7.81E-08	3.32E-08
3485	491363.09, 3849377.25	1.49E-04	4.69E-08	1.99E-08	1.61E-04	5.07E-08	2.15E-08	2.57E-04	8.11E-08	3.44E-08
3486	491863.09, 3849377.25	1.49E-04	4.69E-08	1.99E-08	1.61E-04	5.07E-08	2.15E-08	2.57E-04	8.12E-08	3.45E-08
3487	492363.09, 3849377.25	1.49E-04	4.71E-08	2.00E-08	1.61E-04	5.09E-08	2.16E-08	2.58E-04	8.15E-08	3.46E-08
3488	492863.09, 3849377.25	1.42E-04	4.50E-08	1.91E-08	1.54E-04	4.86E-08	2.06E-08	2.47E-04	7.80E-08	3.31E-08
3489	493363.09, 3849377.25	1.45E-04	4.59E-08	1.95E-08	1.57E-04	4.96E-08	2.11E-08	2.52E-04	7.96E-08	3.38E-08
3490	493863.09, 3849377.25	1.51E-04	4.78E-08	2.03E-08	1.64E-04	5.17E-08	2.19E-08	2.63E-04	8.29E-08	3.52E-08
3491	494363.09, 3849377.25	1.63E-04	5.14E-08	2.18E-08	1.76E-04	5.56E-08	2.36E-08	2.83E-04	8.92E-08	3.79E-08
3492	494863.09, 3849377.25	1.89E-04	5.95E-08	2.53E-08	2.04E-04	6.43E-08	2.73E-08	3.27E-04	1.03E-07	4.37E-08
3493	495363.09, 3849377.25	2.04E-04	6.43E-08	2.73E-08	2.20E-04	6.95E-08	2.95E-08	3.53E-04	1.11E-07	4.72E-08
3494	495863.09, 3849377.25	1.77E-04	5.58E-08	2.37E-08	1.91E-04	6.04E-08	2.56E-08	3.07E-04	9.68E-08	4.11E-08
3495	496363.09, 3849377.25	1.79E-04	5.66E-08	2.40E-08	1.94E-04	6.12E-08	2.60E-08	3.11E-04	9.81E-08	4.16E-08
3496	496863.09, 3849377.25	2.34E-04	7.37E-08	3.13E-08	2.52E-04	7.96E-08	3.38E-08	4.04E-04	1.27E-07	5.41E-08
3497	497363.09, 3849377.25	2.59E-04	8.18E-08	3.47E-08	2.80E-04	8.84E-08	3.75E-08	4.48E-04	1.41E-07	6.00E-08
3498	497863.09, 3849377.25	3.29E-04	1.04E-07	4.41E-08	3.56E-04	1.12E-07	4.76E-08	5.68E-04	1.79E-07	7.61E-08
3499	498363.09, 3849377.25	3.27E-04	1.03E-07	4.38E-08	3.53E-04	1.12E-07	4.73E-08	5.65E-04	1.78E-07	7.56E-08
3500	471363.09, 3849877.25	2.30E-04	7.26E-08	3.08E-08	2.48E-04	7.83E-08	3.32E-08	3.93E-04	1.24E-07	5.27E-08
3501	471863.09, 3849877.25	2.74E-04	8.65E-08	3.67E-08	2.96E-04	9.33E-08	3.96E-08	4.68E-04	1.48E-07	6.26E-08
3502	472363.09, 3849877.25	3.17E-04	9.99E-08	4.24E-08	3.41E-04	1.08E-07	4.57E-08	5.39E-04	1.70E-07	7.22E-08
3503	472863.09, 3849877.25	3.50E-04	1.10E-07	4.68E-08	3.77E-04	1.19E-07	5.05E-08	5.96E-04	1.88E-07	7.98E-08
3504	473363.09, 3849877.25	3.75E-04	1.18E-07	5.02E-08	4.04E-04	1.28E-07	5.41E-08	6.39E-04	2.02E-07	8.56E-08
3505	473863.09, 3849877.25	4.00E-04	1.26E-07	5.36E-08	4.32E-04	1.36E-07	5.79E-08	6.84E-04	2.16E-07	9.16E-08
3506	474363.09, 3849877.25	4.21E-04	1.33E-07	5.64E-08	4.54E-04	1.43E-07	6.09E-08	7.20E-04	2.27E-07	9.64E-08
3507	474863.09, 3849877.25	4.34E-04	1.37E-07	5.81E-08	4.68E-04	1.48E-07	6.27E-08	7.42E-04	2.34E-07	9.93E-08
3508	475363.09, 3849877.25	4.39E-04	1.38E-07	5.87E-08	4.73E-04	1.49E-07	6.34E-08	7.49E-04	2.36E-07	1.00E-07
3509	475863.09, 3849877.25	4.43E-04	1.40E-07	5.94E-08	4.78E-04	1.51E-07	6.40E-08	7.55E-04	2.38E-07	1.01E-07
3510	476363.09, 3849877.25	4.45E-04	1.40E-07	5.96E-08	4.80E-04	1.51E-07	6.42E-08	7.55E-04	2.38E-07	1.01E-07
3511	476863.09, 3849877.25	4.42E-04	1.40E-07	5.92E-08	4.77E-04	1.50E-07	6.39E-08	7.49E-04	2.36E-07	1.00E-07
3512	477363.09, 3849877.25	4.28E-04	1.35E-07	5.73E-08	4.61E-04	1.45E-07	6.17E-08	7.22E-04	2.28E-07	9.67E-08
3513	477863.09, 3849877.25	4.38E-04	1.38E-07	5.86E-08	4.72E-04	1.49E-07	6.32E-08	7.41E-04	2.34E-07	9.92E-08
3514	478363.09, 3849877.25	5.45E-04	1.72E-07	7.30E-08	5.88E-04	1.86E-07	7.87E-08	9.28E-04	2.93E-07	1.24E-07
3515	478863.09, 3849877.25	6.68E-04	2.11E-07	8.94E-08	7.21E-04	2.27E-07	9.65E-08	1.14E-03	3.60E-07	1.53E-07
3516	479363.09, 3849877.25	6.04E-04	1.91E-07	8.08E-08	6.51E-04	2.06E-07	8.72E-08	1.03E-03	3.25E-07	1.38E-07
3517	479863.09, 3849877.25	5.37E-04	1.69E-07	7.19E-08	5.79E-04	1.83E-07	7.75E-08	9.14E-04	2.89E-07	1.22E-07
3518	480363.09, 3849877.25	4.08E-04	1.29E-07	5.46E-08	4.40E-04	1.39E-07	5.89E-08	6.93E-04	2.19E-07	9.29E-08
3519	480863.09, 3849877.25	3.29E-04	1.04E-07	4.40E-08	3.54E-04	1.12E-07	4.75E-08	5.57E-04	1.76E-07	7.47E-08
3520	481363.09, 3849877.25	2.79E-04	8.80E-08	3.74E-08	3.01E-04	9.49E-08	4.03E-08	4.72E-04	1.49E-07	6.32E-08
3521	481863.09, 3849877.25	1.82E-04	5.74E-08	2.43E-08	1.96E-04	6.19E-08	2.63E-08	3.09E-04	9.77E-08	4.14E-08
3522	482363.09, 3849877.25	1.55E-04	4.90E-08	2.08E-08	1.67E-04	5.28E-08	2.24E-08	2.64E-04	8.34E-08	3.54E-08
3523	482863.09, 3849877.25	1.38E-04	4.35E-08	1.84E-08	1.49E-04	4.69E-08	1.99E-08	2.34E-04	7.40E-08	3.14E-08
3524	483363.09, 3849877.25	1.23E-04	3.88E-08	1.65E-08	1.33E-04	4.18E-08	1.78E-08	2.09E-04	6.61E-08	2.80E-08
3525	483863.09, 3849877.25	1.20E-04	3.79E-08	1.61E-08	1.30E-04	4.09E-08	1.74E-08	2.05E-04	6.46E-08	2.74E-08
3526	484363.09, 3849877.25	1.49E-04	4.70E-08	1.99E-08	1.60E-04	5.06E-08	2.15E-08	2.52E-04	7.96E-08	3.38E-08
3527	484863.09, 3849877.25	1.89E-04	5.98E-08	2.54E-08	2.04E-04	6.44E-08	2.73E-08	3.20E-04	1.01E-07	4.29E-08
3528	485363.09, 3849877.25	1.73E-04	5.45E-08	2.31E-08	1.86E-04	5.88E-08	2.49E-08	2.92E-04	9.22E-08	3.91E-08
3529	485863.09, 3849877.25	1.48E-04	4.66E-08	1.98E-08	1.59E-04	5.03E-08	2.13E-08	2.50E-04	7.90E-08	3.35E-08
3530	486363.09, 3849877.25	1.39E-04	4.40E-08	1.87E-08	1.50E-04	4.74E-08	2.01E-08	2.37E-04	7.49E-08	3.18E-08
3531	486863.09, 3849877.25	1.52E-04	4.79E-08	2.03E-08	1.64E-04	5.17E-08	2.19E-08	2.59E-04	8.17E-08	3.47E-08
3532	487363.09, 3849877.25	1.54E-04	4.85E-08	2.06E-08	1.66E-04	5.23E-08	2.22E-08	2.62E-04	8.27E-08	3.51E-08
3533	487863.09, 3849877.25	1.55E-04	4.90E-08	2.08E-08	1.67E-04	5.28E-08	2.24E-08	2.65E-04	8.37E-08	3.55E-08
3534	488363.09, 3849877.25	1.59E-04	5.03E-08	2.13E-08	1.72E-04	5.43E-08	2.30E-08	2.72E-04	8.59E-08	3.65E-08

3535	488863.09, 3849877.25	1.66E-04	5.24E-08	2.22E-08	1.79E-04	5.66E-08	2.40E-08	2.84E-04	8.97E-08	3.80E-08
3536	489363.09, 3849877.25	1.71E-04	5.40E-08	2.29E-08	1.85E-04	5.83E-08	2.47E-08	2.93E-04	9.26E-08	3.93E-08
3537	489863.09, 3849877.25	1.74E-04	5.51E-08	2.34E-08	1.88E-04	5.95E-08	2.52E-08	3.00E-04	9.47E-08	4.02E-08
3538	490363.09, 3849877.25	1.77E-04	5.58E-08	2.37E-08	1.91E-04	6.03E-08	2.56E-08	3.05E-04	9.62E-08	4.08E-08
3539	490863.09, 3849877.25	1.83E-04	5.78E-08	2.45E-08	1.98E-04	6.24E-08	2.65E-08	3.16E-04	9.97E-08	4.23E-08
3540	491363.09, 3849877.25	1.89E-04	5.97E-08	2.53E-08	2.04E-04	6.45E-08	2.74E-08	3.27E-04	1.03E-07	4.37E-08
3541	491863.09, 3849877.25	1.90E-04	6.00E-08	2.55E-08	2.05E-04	6.48E-08	2.75E-08	3.29E-04	1.04E-07	4.40E-08
3542	492363.09, 3849877.25	1.92E-04	6.06E-08	2.57E-08	2.08E-04	6.55E-08	2.78E-08	3.32E-04	1.05E-07	4.45E-08
3543	492863.09, 3849877.25	1.88E-04	5.93E-08	2.52E-08	2.03E-04	6.41E-08	2.72E-08	3.26E-04	1.03E-07	4.36E-08
3544	493363.09, 3849877.25	1.84E-04	5.81E-08	2.46E-08	1.99E-04	6.28E-08	2.66E-08	3.19E-04	1.01E-07	4.27E-08
3545	493863.09, 3849877.25	1.85E-04	5.85E-08	2.48E-08	2.00E-04	6.32E-08	2.68E-08	3.21E-04	1.01E-07	4.30E-08
3546	494363.09, 3849877.25	2.24E-04	7.06E-08	2.99E-08	2.42E-04	7.63E-08	3.24E-08	3.87E-04	1.22E-07	5.19E-08
3547	494863.09, 3849877.25	2.56E-04	8.08E-08	3.43E-08	2.76E-04	8.73E-08	3.70E-08	4.43E-04	1.40E-07	5.93E-08
3548	495363.09, 3849877.25	2.37E-04	7.48E-08	3.18E-08	2.56E-04	8.09E-08	3.43E-08	4.10E-04	1.30E-07	5.50E-08
3549	495863.09, 3849877.25	2.74E-04	8.66E-08	3.68E-08	2.97E-04	9.36E-08	3.97E-08	4.74E-04	1.50E-07	6.35E-08
3550	496363.09, 3849877.25	2.94E-04	9.27E-08	3.93E-08	3.17E-04	1.00E-07	4.25E-08	5.07E-04	1.60E-07	6.80E-08
3551	496863.09, 3849877.25	3.10E-04	9.78E-08	4.15E-08	3.35E-04	1.06E-07	4.48E-08	5.35E-04	1.69E-07	7.17E-08
3552	497363.09, 3849877.25	3.67E-04	1.16E-07	4.92E-08	3.97E-04	1.25E-07	5.31E-08	6.34E-04	2.00E-07	8.49E-08
3553	497863.09, 3849877.25	3.94E-04	1.24E-07	5.28E-08	4.26E-04	1.34E-07	5.70E-08	6.80E-04	2.15E-07	9.11E-08
3554	498363.09, 3849877.25	3.90E-04	1.23E-07	5.22E-08	4.21E-04	1.33E-07	5.64E-08	6.73E-04	2.12E-07	9.01E-08
3555	471363.09, 3850377.25	1.88E-04	5.92E-08	2.51E-08	2.03E-04	6.39E-08	2.71E-08	3.22E-04	1.02E-07	4.31E-08
3556	471863.09, 3850377.25	2.44E-04	7.69E-08	3.26E-08	2.63E-04	8.30E-08	3.52E-08	4.18E-04	1.32E-07	5.59E-08
3557	472363.09, 3850377.25	2.73E-04	8.62E-08	3.66E-08	2.95E-04	9.30E-08	3.95E-08	4.67E-04	1.47E-07	6.25E-08
3558	472863.09, 3850377.25	3.29E-04	1.04E-07	4.40E-08	3.54E-04	1.12E-07	4.75E-08	5.60E-04	1.77E-07	7.50E-08
3559	473363.09, 3850377.25	3.59E-04	1.13E-07	4.81E-08	3.87E-04	1.22E-07	5.19E-08	6.12E-04	1.93E-07	8.20E-08
3560	473863.09, 3850377.25	3.98E-04	1.25E-07	5.32E-08	4.29E-04	1.35E-07	5.74E-08	6.78E-04	2.14E-07	9.07E-08
3561	474363.09, 3850377.25	4.33E-04	1.37E-07	5.80E-08	4.67E-04	1.47E-07	6.25E-08	7.38E-04	2.33E-07	9.89E-08
3562	474863.09, 3850377.25	4.64E-04	1.46E-07	6.21E-08	5.01E-04	1.58E-07	6.70E-08	7.92E-04	2.50E-07	1.06E-07
3563	475363.09, 3850377.25	4.90E-04	1.55E-07	6.56E-08	5.28E-04	1.67E-07	7.08E-08	8.37E-04	2.64E-07	1.12E-07
3564	475863.09, 3850377.25	5.03E-04	1.59E-07	6.74E-08	5.43E-04	1.71E-07	7.27E-08	8.60E-04	2.71E-07	1.15E-07
3565	476363.09, 3850377.25	5.09E-04	1.61E-07	6.82E-08	5.50E-04	1.73E-07	7.36E-08	8.68E-04	2.74E-07	1.16E-07
3566	476863.09, 3850377.25	5.15E-04	1.62E-07	6.89E-08	5.55E-04	1.75E-07	7.43E-08	8.74E-04	2.76E-07	1.17E-07
3567	477363.09, 3850377.25	5.16E-04	1.63E-07	6.91E-08	5.56E-04	1.75E-07	7.44E-08	8.73E-04	2.76E-07	1.17E-07
3568	477863.09, 3850377.25	4.99E-04	1.57E-07	6.68E-08	5.37E-04	1.70E-07	7.20E-08	8.43E-04	2.66E-07	1.13E-07
3569	478363.09, 3850377.25	4.99E-04	1.57E-07	6.68E-08	5.37E-04	1.70E-07	7.20E-08	8.44E-04	2.66E-07	1.13E-07
3570	478863.09, 3850377.25	6.52E-04	2.06E-07	8.73E-08	7.03E-04	2.22E-07	9.42E-08	1.11E-03	3.50E-07	1.48E-07
3571	479363.09, 3850377.25	7.96E-04	2.51E-07	1.07E-07	8.58E-04	2.71E-07	1.15E-07	1.36E-03	4.29E-07	1.82E-07
3572	479863.09, 3850377.25	7.34E-04	2.32E-07	9.83E-08	7.92E-04	2.50E-07	1.06E-07	1.25E-03	3.95E-07	1.68E-07
3573	480363.09, 3850377.25	6.12E-04	1.93E-07	8.20E-08	6.60E-04	2.08E-07	8.84E-08	1.04E-03	3.29E-07	1.40E-07
3574	480863.09, 3850377.25	5.60E-04	1.77E-07	7.49E-08	6.03E-04	1.90E-07	8.08E-08	9.50E-04	3.00E-07	1.27E-07
3575	481363.09, 3850377.25	3.46E-04	1.09E-07	4.63E-08	3.72E-04	1.18E-07	4.99E-08	5.85E-04	1.85E-07	7.83E-08
3576	481863.09, 3850377.25	3.13E-04	9.87E-08	4.19E-08	3.37E-04	1.06E-07	4.51E-08	5.30E-04	1.67E-07	7.10E-08
3577	482363.09, 3850377.25	2.79E-04	8.80E-08	3.73E-08	3.00E-04	9.48E-08	4.02E-08	4.73E-04	1.49E-07	6.33E-08
3578	482863.09, 3850377.25	1.95E-04	6.16E-08	2.61E-08	2.10E-04	6.64E-08	2.82E-08	3.31E-04	1.05E-07	4.43E-08
3579	483363.09, 3850377.25	1.61E-04	5.09E-08	2.16E-08	1.74E-04	5.48E-08	2.33E-08	2.74E-04	8.65E-08	3.67E-08
3580	483863.09, 3850377.25	1.68E-04	5.31E-08	2.25E-08	1.81E-04	5.73E-08	2.43E-08	2.85E-04	9.00E-08	3.82E-08
3581	484363.09, 3850377.25	1.93E-04	6.09E-08	2.58E-08	2.08E-04	6.56E-08	2.78E-08	3.26E-04	1.03E-07	4.37E-08
3582	484863.09, 3850377.25	2.25E-04	7.11E-08	3.02E-08	2.43E-04	7.66E-08	3.25E-08	3.81E-04	1.20E-07	5.10E-08
3583	485363.09, 3850377.25	2.19E-04	6.92E-08	2.94E-08	2.36E-04	7.45E-08	3.16E-08	3.70E-04	1.17E-07	4.96E-08
3584	485863.09, 3850377.25	1.97E-04	6.22E-08	2.64E-08	2.12E-04	6.70E-08	2.84E-08	3.34E-04	1.05E-07	4.47E-08
3585	486363.09, 3850377.25	1.95E-04	6.16E-08	2.61E-08	2.11E-04	6.65E-08	2.82E-08	3.32E-04	1.05E-07	4.44E-08
3586	486863.09, 3850377.25	1.96E-04	6.20E-08	2.63E-08	2.12E-04	6.68E-08	2.84E-08	3.34E-04	1.05E-07	4.47E-08
3587	487363.09, 3850377.25	1.92E-04	6.05E-08	2.57E-08	2.07E-04	6.52E-08	2.77E-08	3.26E-04	1.03E-07	4.37E-08
3588	487863.09, 3850377.25	1.98E-04	6.25E-08	2.65E-08	2.14E-04	6.74E-08	2.86E-08	3.38E-04	1.07E-07	4.52E-08
3589	488363.09, 3850377.25	2.04E-04	6.43E-08	2.73E-08	2.20E-04	6.93E-08	2.94E-08	3.48E-04	1.10E-07	4.66E-08
3590	488863.09, 3850377.25	2.13E-04	6.72E-08	2.85E-08	2.30E-04	7.25E-08	3.08E-08	3.64E-04	1.15E-07	4.88E-08
3591	489363.09, 3850377.25	2.21E-04	6.99E-08	2.97E-08	2.39E-04	7.55E-08	3.20E-08	3.81E-04	1.20E-07	5.10E-08
3592	489863.09, 3850377.25	2.26E-04	7.13E-08	3.02E-08	2.44E-04	7.70E-08	3.27E-08	3.89E-04	1.23E-07	5.21E-08
3593	490363.09, 3850377.25	2.33E-04	7.34E-08	3.12E-08	2.51E-04	7.93E-08	3.37E-08	4.01E-04	1.27E-07	5.37E-08
3594	490863.09, 3850377.25	2.42E-04	7.63E-08	3.24E-08	2.61E-04	8.24E-08	3.50E-08	4.17E-04	1.32E-07	5.59E-08
3595	491363.09, 3850377.25	2.49E-04	7.87E-08	3.34E-08	2.69E-04	8.50E-08	3.61E-08	4.31E-04	1.36E-07	5.77E-08

3596	491863.09, 3850377.25	2.48E-04	7.83E-08	3.32E-08	2.68E-04	8.46E-08	3.59E-08	4.29E-04	1.35E-07	5.75E-08
3597	492363.09, 3850377.25	2.44E-04	7.70E-08	3.27E-08	2.64E-04	8.32E-08	3.53E-08	4.22E-04	1.33E-07	5.66E-08
3598	492863.09, 3850377.25	2.46E-04	7.75E-08	3.29E-08	2.66E-04	8.38E-08	3.56E-08	4.26E-04	1.34E-07	5.70E-08
3599	493363.09, 3850377.25	2.40E-04	7.59E-08	3.22E-08	2.60E-04	8.20E-08	3.48E-08	4.16E-04	1.31E-07	5.57E-08
3600	493863.09, 3850377.25	2.67E-04	8.43E-08	3.57E-08	2.88E-04	9.10E-08	3.86E-08	4.62E-04	1.46E-07	6.19E-08
3601	494363.09, 3850377.25	2.89E-04	9.13E-08	3.87E-08	3.13E-04	9.87E-08	4.19E-08	5.00E-04	1.58E-07	6.70E-08
3602	494863.09, 3850377.25	3.24E-04	1.02E-07	4.34E-08	3.50E-04	1.11E-07	4.69E-08	5.60E-04	1.77E-07	7.50E-08
3603	495363.09, 3850377.25	3.67E-04	1.16E-07	4.92E-08	3.97E-04	1.25E-07	5.32E-08	6.34E-04	2.00E-07	8.50E-08
3604	495863.09, 3850377.25	3.60E-04	1.14E-07	4.82E-08	3.89E-04	1.23E-07	5.21E-08	6.22E-04	1.96E-07	8.33E-08
3605	496363.09, 3850377.25	4.04E-04	1.28E-07	5.41E-08	4.36E-04	1.38E-07	5.84E-08	6.97E-04	2.20E-07	9.34E-08
3606	496863.09, 3850377.25	4.46E-04	1.41E-07	5.98E-08	4.82E-04	1.52E-07	6.45E-08	7.70E-04	2.43E-07	1.03E-07
3607	497363.09, 3850377.25	4.69E-04	1.48E-07	6.28E-08	5.07E-04	1.60E-07	6.78E-08	8.09E-04	2.55E-07	1.08E-07
3608	497863.09, 3850377.25	4.72E-04	1.49E-07	6.32E-08	5.10E-04	1.61E-07	6.83E-08	8.15E-04	2.57E-07	1.09E-07
3609	498363.09, 3850377.25	4.75E-04	1.50E-07	6.36E-08	5.13E-04	1.62E-07	6.87E-08	8.20E-04	2.59E-07	1.10E-07
3610	471363.09, 3850877.25	2.33E-04	7.34E-08	3.11E-08	2.51E-04	7.92E-08	3.36E-08	3.99E-04	1.26E-07	5.34E-08
3611	471863.09, 3850877.25	2.59E-04	8.18E-08	3.47E-08	2.80E-04	8.83E-08	3.74E-08	4.44E-04	1.40E-07	5.95E-08
3612	472363.09, 3850877.25	2.96E-04	9.35E-08	3.97E-08	3.20E-04	1.01E-07	4.28E-08	5.08E-04	1.60E-07	6.80E-08
3613	472863.09, 3850877.25	3.31E-04	1.04E-07	4.43E-08	3.57E-04	1.13E-07	4.78E-08	5.66E-04	1.79E-07	7.58E-08
3614	473363.09, 3850877.25	3.23E-04	1.02E-07	4.32E-08	3.48E-04	1.10E-07	4.67E-08	5.53E-04	1.74E-07	7.40E-08
3615	473863.09, 3850877.25	3.71E-04	1.17E-07	4.97E-08	4.01E-04	1.26E-07	5.36E-08	6.34E-04	2.00E-07	8.49E-08
3616	474363.09, 3850877.25	4.29E-04	1.35E-07	5.75E-08	4.63E-04	1.46E-07	6.20E-08	7.31E-04	2.31E-07	9.79E-08
3617	474863.09, 3850877.25	4.69E-04	1.48E-07	6.28E-08	5.06E-04	1.60E-07	6.77E-08	7.99E-04	2.52E-07	1.07E-07
3618	475363.09, 3850877.25	5.08E-04	1.60E-07	6.80E-08	5.48E-04	1.73E-07	7.34E-08	8.66E-04	2.73E-07	1.16E-07
3619	475863.09, 3850877.25	5.47E-04	1.73E-07	7.33E-08	5.91E-04	1.86E-07	7.91E-08	9.34E-04	2.95E-07	1.25E-07
3620	476363.09, 3850877.25	5.77E-04	1.82E-07	7.73E-08	6.23E-04	1.97E-07	8.34E-08	9.85E-04	3.11E-07	1.32E-07
3621	476863.09, 3850877.25	5.94E-04	1.88E-07	7.96E-08	6.41E-04	2.02E-07	8.58E-08	1.01E-03	3.20E-07	1.36E-07
3622	477363.09, 3850877.25	6.05E-04	1.91E-07	8.11E-08	6.53E-04	2.06E-07	8.74E-08	1.03E-03	3.25E-07	1.38E-07
3623	477863.09, 3850877.25	6.10E-04	1.93E-07	8.17E-08	6.58E-04	2.08E-07	8.80E-08	1.03E-03	3.26E-07	1.38E-07
3624	478363.09, 3850877.25	5.99E-04	1.89E-07	8.02E-08	6.45E-04	2.04E-07	8.64E-08	1.01E-03	3.19E-07	1.35E-07
3625	478863.09, 3850877.25	6.21E-04	1.96E-07	8.32E-08	6.69E-04	2.11E-07	8.96E-08	1.04E-03	3.30E-07	1.40E-07
3626	479363.09, 3850877.25	7.71E-04	2.43E-07	1.03E-07	8.31E-04	2.62E-07	1.11E-07	1.31E-03	4.12E-07	1.75E-07
3627	479863.09, 3850877.25	9.25E-04	2.92E-07	1.24E-07	9.98E-04	3.15E-07	1.34E-07	1.58E-03	4.99E-07	2.12E-07
3628	480363.09, 3850877.25	9.11E-04	2.87E-07	1.22E-07	9.82E-04	3.10E-07	1.32E-07	1.55E-03	4.89E-07	2.07E-07
3629	480863.09, 3850877.25	8.00E-04	2.52E-07	1.07E-07	8.62E-04	2.72E-07	1.15E-07	1.36E-03	4.29E-07	1.82E-07
3630	481363.09, 3850877.25	6.99E-04	2.21E-07	9.36E-08	7.53E-04	2.38E-07	1.01E-07	1.18E-03	3.74E-07	1.59E-07
3631	481863.09, 3850877.25	5.60E-04	1.77E-07	7.50E-08	6.04E-04	1.91E-07	8.08E-08	9.47E-04	2.99E-07	1.27E-07
3632	482363.09, 3850877.25	4.02E-04	1.27E-07	5.39E-08	4.34E-04	1.37E-07	5.81E-08	6.82E-04	2.15E-07	9.13E-08
3633	482863.09, 3850877.25	3.17E-04	1.00E-07	4.24E-08	3.41E-04	1.08E-07	4.57E-08	5.35E-04	1.69E-07	7.17E-08
3634	483363.09, 3850877.25	2.45E-04	7.74E-08	3.28E-08	2.64E-04	8.34E-08	3.54E-08	4.16E-04	1.31E-07	5.57E-08
3635	483863.09, 3850877.25	2.37E-04	7.47E-08	3.17E-08	2.55E-04	8.05E-08	3.42E-08	4.01E-04	1.27E-07	5.38E-08
3636	484363.09, 3850877.25	2.66E-04	8.38E-08	3.56E-08	2.86E-04	9.03E-08	3.83E-08	4.49E-04	1.42E-07	6.01E-08
3637	484863.09, 3850877.25	2.59E-04	8.16E-08	3.46E-08	2.79E-04	8.79E-08	3.73E-08	4.37E-04	1.38E-07	5.85E-08
3638	485363.09, 3850877.25	2.71E-04	8.57E-08	3.63E-08	2.92E-04	9.23E-08	3.92E-08	4.59E-04	1.45E-07	6.14E-08
3639	485863.09, 3850877.25	2.39E-04	7.55E-08	3.20E-08	2.58E-04	8.14E-08	3.46E-08	4.06E-04	1.28E-07	5.44E-08
3640	486363.09, 3850877.25	2.52E-04	7.95E-08	3.37E-08	2.72E-04	8.57E-08	3.64E-08	4.28E-04	1.35E-07	5.73E-08
3641	486863.09, 3850877.25	2.53E-04	7.98E-08	3.39E-08	2.73E-04	8.61E-08	3.65E-08	4.30E-04	1.36E-07	5.76E-08
3642	487363.09, 3850877.25	2.47E-04	7.81E-08	3.31E-08	2.67E-04	8.42E-08	3.57E-08	4.21E-04	1.33E-07	5.64E-08
3643	487863.09, 3850877.25	2.57E-04	8.10E-08	3.44E-08	2.77E-04	8.74E-08	3.71E-08	4.38E-04	1.38E-07	5.87E-08
3644	488363.09, 3850877.25	2.70E-04	8.53E-08	3.62E-08	2.92E-04	9.20E-08	3.90E-08	4.62E-04	1.46E-07	6.19E-08
3645	488863.09, 3850877.25	2.82E-04	8.91E-08	3.78E-08	3.05E-04	9.62E-08	4.08E-08	4.85E-04	1.53E-07	6.49E-08
3646	489363.09, 3850877.25	2.98E-04	9.39E-08	3.98E-08	3.21E-04	1.01E-07	4.30E-08	5.12E-04	1.62E-07	6.86E-08
3647	489863.09, 3850877.25	3.09E-04	9.74E-08	4.13E-08	3.34E-04	1.05E-07	4.47E-08	5.32E-04	1.68E-07	7.13E-08
3648	490363.09, 3850877.25	3.24E-04	1.02E-07	4.34E-08	3.50E-04	1.10E-07	4.68E-08	5.59E-04	1.76E-07	7.48E-08
3649	490863.09, 3850877.25	3.35E-04	1.06E-07	4.48E-08	3.62E-04	1.14E-07	4.84E-08	5.78E-04	1.82E-07	7.74E-08
3650	491363.09, 3850877.25	3.38E-04	1.07E-07	4.53E-08	3.65E-04	1.15E-07	4.89E-08	5.84E-04	1.84E-07	7.82E-08
3651	491863.09, 3850877.25	3.38E-04	1.07E-07	4.52E-08	3.65E-04	1.15E-07	4.89E-08	5.84E-04	1.84E-07	7.82E-08
3652	492363.09, 3850877.25	3.36E-04	1.06E-07	4.50E-08	3.63E-04	1.15E-07	4.86E-08	5.81E-04	1.83E-07	7.78E-08
3653	492863.09, 3850877.25	3.39E-04	1.07E-07	4.53E-08	3.66E-04	1.15E-07	4.90E-08	5.85E-04	1.85E-07	7.84E-08
3654	493363.09, 3850877.25	3.47E-04	1.10E-07	4.65E-08	3.75E-04	1.18E-07	5.03E-08	6.01E-04	1.90E-07	8.04E-08
3655	493863.09, 3850877.25	3.83E-04	1.21E-07	5.13E-08	4.14E-04	1.31E-07	5.54E-08	6.62E-04	2.09E-07	8.86E-08
3656	494363.09, 3850877.25	4.03E-04	1.27E-07	5.39E-08	4.35E-04	1.37E-07	5.82E-08	6.95E-04	2.19E-07	9.31E-08

3657	494863.09, 3850877.25	4.43E-04	1.40E-07	5.94E-08	4.79E-04	1.51E-07	6.41E-08	7.65E-04	2.42E-07	1.02E-07
3658	495363.09, 3850877.25	4.88E-04	1.54E-07	6.54E-08	5.27E-04	1.66E-07	7.06E-08	8.43E-04	2.66E-07	1.13E-07
3659	495863.09, 3850877.25	5.01E-04	1.58E-07	6.71E-08	5.42E-04	1.71E-07	7.25E-08	8.65E-04	2.73E-07	1.16E-07
3660	496363.09, 3850877.25	5.29E-04	1.67E-07	7.08E-08	5.71E-04	1.80E-07	7.65E-08	9.12E-04	2.88E-07	1.22E-07
3661	496863.09, 3850877.25	5.70E-04	1.80E-07	7.64E-08	6.16E-04	1.94E-07	8.25E-08	9.84E-04	3.11E-07	1.32E-07
3662	497363.09, 3850877.25	5.77E-04	1.82E-07	7.73E-08	6.24E-04	1.97E-07	8.35E-08	9.96E-04	3.14E-07	1.33E-07
3663	497863.09, 3850877.25	5.72E-04	1.81E-07	7.67E-08	6.18E-04	1.95E-07	8.28E-08	9.88E-04	3.12E-07	1.32E-07
3664	498363.09, 3850877.25	5.67E-04	1.79E-07	7.59E-08	6.12E-04	1.93E-07	8.20E-08	9.78E-04	3.09E-07	1.31E-07
3665	471363.09, 3851377.25	2.57E-04	8.11E-08	3.44E-08	2.77E-04	8.76E-08	3.71E-08	4.41E-04	1.39E-07	5.90E-08
3666	471863.09, 3851377.25	3.13E-04	9.89E-08	4.19E-08	3.38E-04	1.07E-07	4.53E-08	5.37E-04	1.69E-07	7.19E-08
3667	472363.09, 3851377.25	3.20E-04	1.01E-07	4.28E-08	3.45E-04	1.09E-07	4.62E-08	5.48E-04	1.73E-07	7.34E-08
3668	472863.09, 3851377.25	3.29E-04	1.04E-07	4.40E-08	3.55E-04	1.12E-07	4.75E-08	5.63E-04	1.78E-07	7.54E-08
3669	473363.09, 3851377.25	3.03E-04	9.57E-08	4.06E-08	3.27E-04	1.03E-07	4.38E-08	5.19E-04	1.64E-07	6.96E-08
3670	473863.09, 3851377.25	3.22E-04	1.01E-07	4.31E-08	3.47E-04	1.10E-07	4.65E-08	5.51E-04	1.74E-07	7.38E-08
3671	474363.09, 3851377.25	3.86E-04	1.22E-07	5.16E-08	4.16E-04	1.31E-07	5.57E-08	6.60E-04	2.08E-07	8.84E-08
3672	474863.09, 3851377.25	4.47E-04	1.41E-07	5.99E-08	4.82E-04	1.52E-07	6.46E-08	7.64E-04	2.41E-07	1.02E-07
3673	475363.09, 3851377.25	5.04E-04	1.59E-07	6.74E-08	5.43E-04	1.71E-07	7.27E-08	8.59E-04	2.71E-07	1.15E-07
3674	475863.09, 3851377.25	5.52E-04	1.74E-07	7.39E-08	5.95E-04	1.88E-07	7.97E-08	9.40E-04	2.97E-07	1.26E-07
3675	476363.09, 3851377.25	6.02E-04	1.90E-07	8.06E-08	6.49E-04	2.05E-07	8.69E-08	1.03E-03	3.24E-07	1.37E-07
3676	476863.09, 3851377.25	6.41E-04	2.02E-07	8.58E-08	6.91E-04	2.18E-07	9.26E-08	1.09E-03	3.45E-07	1.47E-07
3677	477363.09, 3851377.25	6.92E-04	2.19E-07	9.27E-08	7.47E-04	2.36E-07	1.00E-07	1.18E-03	3.73E-07	1.58E-07
3678	477863.09, 3851377.25	7.16E-04	2.26E-07	9.59E-08	7.73E-04	2.44E-07	1.03E-07	1.22E-03	3.85E-07	1.63E-07
3679	478363.09, 3851377.25	7.26E-04	2.29E-07	9.72E-08	7.83E-04	2.47E-07	1.05E-07	1.23E-03	3.89E-07	1.65E-07
3680	478863.09, 3851377.25	7.25E-04	2.29E-07	9.70E-08	7.81E-04	2.46E-07	1.05E-07	1.22E-03	3.86E-07	1.64E-07
3681	479363.09, 3851377.25	7.40E-04	2.34E-07	9.91E-08	7.97E-04	2.51E-07	1.07E-07	1.24E-03	3.93E-07	1.67E-07
3682	479863.09, 3851377.25	9.20E-04	2.90E-07	1.23E-07	9.91E-04	3.13E-07	1.33E-07	1.56E-03	4.91E-07	2.08E-07
3683	480363.09, 3851377.25	1.11E-03	3.51E-07	1.49E-07	1.20E-03	3.79E-07	1.61E-07	1.89E-03	5.98E-07	2.54E-07
3684	480863.09, 3851377.25	1.09E-03	3.45E-07	1.46E-07	1.18E-03	3.71E-07	1.58E-07	1.85E-03	5.84E-07	2.48E-07
3685	481363.09, 3851377.25	9.90E-04	3.13E-07	1.33E-07	1.07E-03	3.37E-07	1.43E-07	1.68E-03	5.29E-07	2.24E-07
3686	481863.09, 3851377.25	8.16E-04	2.57E-07	1.09E-07	8.79E-04	2.77E-07	1.18E-07	1.38E-03	4.35E-07	1.85E-07
3687	482363.09, 3851377.25	6.90E-04	2.18E-07	9.24E-08	7.44E-04	2.35E-07	9.96E-08	1.17E-03	3.68E-07	1.56E-07
3688	482863.09, 3851377.25	4.95E-04	1.56E-07	6.63E-08	5.34E-04	1.68E-07	7.15E-08	8.37E-04	2.64E-07	1.12E-07
3689	483363.09, 3851377.25	3.54E-04	1.12E-07	4.75E-08	3.82E-04	1.20E-07	5.11E-08	5.99E-04	1.89E-07	8.02E-08
3690	483863.09, 3851377.25	3.07E-04	9.70E-08	4.12E-08	3.31E-04	1.05E-07	4.44E-08	5.21E-04	1.64E-07	6.97E-08
3691	484363.09, 3851377.25	3.71E-04	1.17E-07	4.96E-08	3.99E-04	1.26E-07	5.35E-08	6.25E-04	1.97E-07	8.37E-08
3692	484863.09, 3851377.25	2.80E-04	8.84E-08	3.75E-08	3.02E-04	9.53E-08	4.04E-08	4.74E-04	1.50E-07	6.35E-08
3693	485363.09, 3851377.25	3.52E-04	1.11E-07	4.71E-08	3.79E-04	1.20E-07	5.07E-08	5.94E-04	1.88E-07	7.96E-08
3694	485863.09, 3851377.25	3.09E-04	9.74E-08	4.13E-08	3.33E-04	1.05E-07	4.45E-08	5.24E-04	1.65E-07	7.01E-08
3695	486363.09, 3851377.25	3.40E-04	1.07E-07	4.55E-08	3.66E-04	1.16E-07	4.91E-08	5.76E-04	1.82E-07	7.72E-08
3696	486863.09, 3851377.25	3.37E-04	1.06E-07	4.52E-08	3.64E-04	1.15E-07	4.87E-08	5.74E-04	1.81E-07	7.68E-08
3697	487363.09, 3851377.25	3.09E-04	9.75E-08	4.14E-08	3.33E-04	1.05E-07	4.46E-08	5.27E-04	1.66E-07	7.06E-08
3698	487863.09, 3851377.25	3.51E-04	1.11E-07	4.70E-08	3.79E-04	1.19E-07	5.07E-08	6.01E-04	1.90E-07	8.04E-08
3699	488363.09, 3851377.25	3.77E-04	1.19E-07	5.04E-08	4.07E-04	1.28E-07	5.44E-08	6.46E-04	2.04E-07	8.66E-08
3700	488863.09, 3851377.25	3.96E-04	1.25E-07	5.30E-08	4.27E-04	1.35E-07	5.72E-08	6.80E-04	2.15E-07	9.11E-08
3701	489363.09, 3851377.25	4.16E-04	1.31E-07	5.57E-08	4.49E-04	1.42E-07	6.02E-08	7.17E-04	2.26E-07	9.60E-08
3702	489863.09, 3851377.25	4.33E-04	1.37E-07	5.79E-08	4.67E-04	1.48E-07	6.26E-08	7.47E-04	2.36E-07	1.00E-07
3703	490363.09, 3851377.25	4.50E-04	1.42E-07	6.02E-08	4.86E-04	1.53E-07	6.50E-08	7.76E-04	2.45E-07	1.04E-07
3704	490863.09, 3851377.25	4.61E-04	1.46E-07	6.18E-08	4.98E-04	1.57E-07	6.67E-08	7.96E-04	2.51E-07	1.07E-07
3705	491363.09, 3851377.25	4.60E-04	1.45E-07	6.17E-08	4.97E-04	1.57E-07	6.66E-08	7.95E-04	2.51E-07	1.06E-07
3706	491863.09, 3851377.25	4.62E-04	1.46E-07	6.19E-08	4.99E-04	1.58E-07	6.68E-08	7.98E-04	2.52E-07	1.07E-07
3707	492363.09, 3851377.25	4.68E-04	1.48E-07	6.26E-08	5.05E-04	1.59E-07	6.77E-08	8.08E-04	2.55E-07	1.08E-07
3708	492863.09, 3851377.25	4.63E-04	1.46E-07	6.20E-08	5.00E-04	1.58E-07	6.70E-08	8.00E-04	2.52E-07	1.07E-07
3709	493363.09, 3851377.25	4.28E-04	1.35E-07	5.74E-08	4.63E-04	1.46E-07	6.20E-08	7.40E-04	2.34E-07	9.92E-08
3710	493863.09, 3851377.25	4.67E-04	1.48E-07	6.26E-08	5.05E-04	1.59E-07	6.76E-08	8.07E-04	2.55E-07	1.08E-07
3711	494363.09, 3851377.25	5.47E-04	1.73E-07	7.33E-08	5.91E-04	1.87E-07	7.91E-08	9.44E-04	2.98E-07	1.26E-07
3712	494863.09, 3851377.25	5.70E-04	1.80E-07	7.63E-08	6.15E-04	1.94E-07	8.24E-08	9.83E-04	3.10E-07	1.32E-07
3713	495363.09, 3851377.25	6.51E-04	2.06E-07	8.72E-08	7.04E-04	2.22E-07	9.42E-08	1.12E-03	3.55E-07	1.50E-07
3714	495863.09, 3851377.25	6.84E-04	2.16E-07	9.16E-08	7.39E-04	2.33E-07	9.90E-08	1.18E-03	3.72E-07	1.58E-07
3715	496363.09, 3851377.25	7.02E-04	2.21E-07	9.39E-08	7.58E-04	2.39E-07	1.01E-07	1.21E-03	3.82E-07	1.62E-07
3716	496863.09, 3851377.25	7.07E-04	2.23E-07	9.47E-08	7.64E-04	2.41E-07	1.02E-07	1.22E-03	3.85E-07	1.63E-07
3717	497363.09, 3851377.25	7.09E-04	2.24E-07	9.49E-08	7.66E-04	2.42E-07	1.03E-07	1.22E-03	3.86E-07	1.64E-07

3718	497863.09, 3851377.25	6.98E-04	2.20E-07	9.35E-08	7.55E-04	2.38E-07	1.01E-07	1.20E-03	3.80E-07	1.61E-07
3719	498363.09, 3851377.25	6.65E-04	2.10E-07	8.91E-08	7.18E-04	2.27E-07	9.62E-08	1.15E-03	3.62E-07	1.54E-07
3720	471363.09, 3851877.25	2.90E-04	9.17E-08	3.89E-08	3.14E-04	9.90E-08	4.20E-08	4.99E-04	1.57E-07	6.68E-08
3721	471863.09, 3851877.25	2.82E-04	8.91E-08	3.78E-08	3.05E-04	9.62E-08	4.08E-08	4.85E-04	1.53E-07	6.49E-08
3722	472363.09, 3851877.25	3.17E-04	1.00E-07	4.24E-08	3.42E-04	1.08E-07	4.58E-08	5.44E-04	1.72E-07	7.28E-08
3723	472863.09, 3851877.25	3.48E-04	1.10E-07	4.66E-08	3.75E-04	1.18E-07	5.03E-08	5.97E-04	1.88E-07	7.99E-08
3724	473363.09, 3851877.25	3.28E-04	1.03E-07	4.39E-08	3.54E-04	1.12E-07	4.74E-08	5.62E-04	1.77E-07	7.52E-08
3725	473863.09, 3851877.25	3.38E-04	1.07E-07	4.52E-08	3.65E-04	1.15E-07	4.88E-08	5.79E-04	1.83E-07	7.75E-08
3726	474363.09, 3851877.25	3.95E-04	1.25E-07	5.29E-08	4.26E-04	1.35E-07	5.71E-08	6.76E-04	2.13E-07	9.06E-08
3727	474863.09, 3851877.25	4.54E-04	1.43E-07	6.07E-08	4.90E-04	1.55E-07	6.56E-08	7.77E-04	2.45E-07	1.04E-07
3728	475363.09, 3851877.25	4.94E-04	1.56E-07	6.61E-08	5.33E-04	1.68E-07	7.14E-08	8.45E-04	2.67E-07	1.13E-07
3729	475863.09, 3851877.25	5.33E-04	1.68E-07	7.14E-08	5.76E-04	1.82E-07	7.71E-08	9.12E-04	2.88E-07	1.22E-07
3730	476363.09, 3851877.25	5.51E-04	1.74E-07	7.38E-08	5.95E-04	1.88E-07	7.96E-08	9.43E-04	2.98E-07	1.26E-07
3731	476863.09, 3851877.25	6.23E-04	1.97E-07	8.34E-08	6.72E-04	2.12E-07	9.00E-08	1.07E-03	3.36E-07	1.43E-07
3732	477363.09, 3851877.25	6.99E-04	2.21E-07	9.36E-08	7.55E-04	2.38E-07	1.01E-07	1.19E-03	3.77E-07	1.60E-07
3733	477863.09, 3851877.25	7.65E-04	2.41E-07	1.02E-07	8.25E-04	2.60E-07	1.10E-07	1.31E-03	4.12E-07	1.75E-07
3734	478363.09, 3851877.25	7.92E-04	2.50E-07	1.06E-07	8.55E-04	2.70E-07	1.15E-07	1.36E-03	4.28E-07	1.81E-07
3735	478863.09, 3851877.25	8.45E-04	2.67E-07	1.13E-07	9.12E-04	2.88E-07	1.22E-07	1.44E-03	4.55E-07	1.93E-07
3736	479363.09, 3851877.25	8.85E-04	2.79E-07	1.19E-07	9.54E-04	3.01E-07	1.28E-07	1.50E-03	4.74E-07	2.01E-07
3737	479863.09, 3851877.25	9.31E-04	2.94E-07	1.25E-07	1.00E-03	3.17E-07	1.34E-07	1.57E-03	4.97E-07	2.11E-07
3738	480363.09, 3851877.25	1.12E-03	3.54E-07	1.50E-07	1.21E-03	3.81E-07	1.62E-07	1.90E-03	5.99E-07	2.54E-07
3739	480863.09, 3851877.25	1.35E-03	4.25E-07	1.80E-07	1.45E-03	4.58E-07	1.94E-07	2.29E-03	7.22E-07	3.06E-07
3740	481363.09, 3851877.25	1.34E-03	4.22E-07	1.79E-07	1.44E-03	4.55E-07	1.93E-07	2.26E-03	7.13E-07	3.03E-07
3741	481863.09, 3851877.25	1.18E-03	3.71E-07	1.58E-07	1.27E-03	4.00E-07	1.70E-07	1.99E-03	6.28E-07	2.66E-07
3742	482363.09, 3851877.25	8.34E-04	2.63E-07	1.12E-07	8.99E-04	2.84E-07	1.20E-07	1.41E-03	4.45E-07	1.89E-07
3743	482863.09, 3851877.25	5.48E-04	1.73E-07	7.33E-08	5.90E-04	1.86E-07	7.90E-08	9.27E-04	2.93E-07	1.24E-07
3744	483363.09, 3851877.25	5.48E-04	1.73E-07	7.34E-08	5.90E-04	1.86E-07	7.90E-08	9.22E-04	2.91E-07	1.24E-07
3745	483863.09, 3851877.25	4.77E-04	1.50E-07	6.38E-08	5.13E-04	1.62E-07	6.88E-08	8.03E-04	2.53E-07	1.08E-07
3746	484363.09, 3851877.25	5.13E-04	1.62E-07	6.87E-08	5.53E-04	1.74E-07	7.40E-08	8.65E-04	2.73E-07	1.16E-07
3747	484863.09, 3851877.25	4.59E-04	1.45E-07	6.15E-08	4.95E-04	1.56E-07	6.62E-08	7.75E-04	2.45E-07	1.04E-07
3748	485363.09, 3851877.25	4.75E-04	1.50E-07	6.37E-08	5.12E-04	1.62E-07	6.86E-08	8.03E-04	2.54E-07	1.08E-07
3749	485863.09, 3851877.25	4.91E-04	1.55E-07	6.58E-08	5.30E-04	1.67E-07	7.09E-08	8.31E-04	2.62E-07	1.11E-07
3750	486363.09, 3851877.25	4.54E-04	1.43E-07	6.08E-08	4.90E-04	1.55E-07	6.56E-08	7.72E-04	2.44E-07	1.03E-07
3751	486863.09, 3851877.25	4.71E-04	1.49E-07	6.30E-08	5.08E-04	1.60E-07	6.80E-08	8.03E-04	2.53E-07	1.08E-07
3752	487363.09, 3851877.25	4.88E-04	1.54E-07	6.53E-08	5.26E-04	1.66E-07	7.05E-08	8.35E-04	2.64E-07	1.12E-07
3753	487863.09, 3851877.25	4.64E-04	1.47E-07	6.22E-08	5.01E-04	1.58E-07	6.71E-08	7.99E-04	2.52E-07	1.07E-07
3754	488363.09, 3851877.25	4.97E-04	1.57E-07	6.65E-08	5.37E-04	1.69E-07	7.19E-08	8.56E-04	2.70E-07	1.15E-07
3755	488863.09, 3851877.25	5.04E-04	1.59E-07	6.75E-08	5.44E-04	1.72E-07	7.29E-08	8.70E-04	2.75E-07	1.16E-07
3756	489363.09, 3851877.25	5.15E-04	1.62E-07	6.89E-08	5.56E-04	1.76E-07	7.45E-08	8.89E-04	2.81E-07	1.19E-07
3757	489863.09, 3851877.25	5.33E-04	1.68E-07	7.14E-08	5.76E-04	1.82E-07	7.72E-08	9.22E-04	2.91E-07	1.23E-07
3758	490363.09, 3851877.25	5.63E-04	1.78E-07	7.53E-08	6.08E-04	1.92E-07	8.14E-08	9.72E-04	3.07E-07	1.30E-07
3759	490863.09, 3851877.25	5.94E-04	1.88E-07	7.96E-08	6.42E-04	2.03E-07	8.60E-08	1.03E-03	3.24E-07	1.37E-07
3760	491363.09, 3851877.25	6.28E-04	1.98E-07	8.41E-08	6.78E-04	2.14E-07	9.08E-08	1.08E-03	3.42E-07	1.45E-07
3761	491863.09, 3851877.25	6.51E-04	2.05E-07	8.71E-08	7.03E-04	2.22E-07	9.41E-08	1.12E-03	3.54E-07	1.50E-07
3762	492363.09, 3851877.25	6.40E-04	2.02E-07	8.57E-08	6.92E-04	2.18E-07	9.26E-08	1.10E-03	3.49E-07	1.48E-07
3763	492863.09, 3851877.25	5.70E-04	1.80E-07	7.63E-08	6.16E-04	1.94E-07	8.24E-08	9.84E-04	3.11E-07	1.32E-07
3764	493363.09, 3851877.25	6.69E-04	2.11E-07	8.97E-08	7.23E-04	2.28E-07	9.68E-08	1.16E-03	3.65E-07	1.55E-07
3765	493863.09, 3851877.25	7.79E-04	2.46E-07	1.04E-07	8.41E-04	2.66E-07	1.13E-07	1.34E-03	4.24E-07	1.80E-07
3766	494363.09, 3851877.25	7.60E-04	2.40E-07	1.02E-07	8.21E-04	2.59E-07	1.10E-07	1.31E-03	4.14E-07	1.76E-07
3767	494863.09, 3851877.25	8.32E-04	2.63E-07	1.11E-07	8.98E-04	2.84E-07	1.20E-07	1.43E-03	4.52E-07	1.92E-07
3768	495363.09, 3851877.25	8.78E-04	2.77E-07	1.18E-07	9.48E-04	2.99E-07	1.27E-07	1.51E-03	4.78E-07	2.03E-07
3769	495863.09, 3851877.25	9.05E-04	2.85E-07	1.21E-07	9.77E-04	3.08E-07	1.31E-07	1.56E-03	4.92E-07	2.09E-07
3770	496363.09, 3851877.25	8.93E-04	2.82E-07	1.20E-07	9.65E-04	3.05E-07	1.29E-07	1.54E-03	4.86E-07	2.06E-07
3771	496863.09, 3851877.25	8.75E-04	2.76E-07	1.17E-07	9.45E-04	2.98E-07	1.27E-07	1.51E-03	4.76E-07	2.02E-07
3772	497363.09, 3851877.25	8.51E-04	2.69E-07	1.14E-07	9.19E-04	2.90E-07	1.23E-07	1.47E-03	4.63E-07	1.96E-07
3773	497863.09, 3851877.25	7.99E-04	2.52E-07	1.07E-07	8.63E-04	2.72E-07	1.16E-07	1.38E-03	4.35E-07	1.84E-07
3774	498363.09, 3851877.25	7.52E-04	2.37E-07	1.01E-07	8.13E-04	2.56E-07	1.09E-07	1.30E-03	4.10E-07	1.74E-07
3775	471363.09, 3852377.25	2.67E-04	8.42E-08	3.57E-08	2.88E-04	9.09E-08	3.86E-08	4.58E-04	1.45E-07	6.14E-08
3776	471863.09, 3852377.25	3.05E-04	9.62E-08	4.08E-08	3.29E-04	1.04E-07	4.40E-08	5.23E-04	1.65E-07	7.01E-08
3777	472363.09, 3852377.25	3.33E-04	1.05E-07	4.46E-08	3.59E-04	1.13E-07	4.81E-08	5.72E-04	1.80E-07	7.66E-08
3778	472863.09, 3852377.25	3.54E-04	1.12E-07	4.75E-08	3.83E-04	1.21E-07	5.12E-08	6.09E-04	1.92E-07	8.15E-08

3779	473363.09, 3852377.25	3.66E-04	1.16E-07	4.91E-08	3.96E-04	1.25E-07	5.30E-08	6.29E-04	1.99E-07	8.42E-08
3780	473863.09, 3852377.25	3.72E-04	1.17E-07	4.98E-08	4.01E-04	1.27E-07	5.37E-08	6.38E-04	2.01E-07	8.54E-08
3781	474363.09, 3852377.25	3.83E-04	1.21E-07	5.13E-08	4.13E-04	1.30E-07	5.54E-08	6.57E-04	2.07E-07	8.80E-08
3782	474863.09, 3852377.25	4.91E-04	1.55E-07	6.57E-08	5.30E-04	1.67E-07	7.09E-08	8.41E-04	2.65E-07	1.13E-07
3783	475363.09, 3852377.25	5.10E-04	1.61E-07	6.84E-08	5.51E-04	1.74E-07	7.38E-08	8.74E-04	2.76E-07	1.17E-07
3784	475863.09, 3852377.25	5.23E-04	1.65E-07	7.01E-08	5.65E-04	1.78E-07	7.56E-08	8.96E-04	2.83E-07	1.20E-07
3785	476363.09, 3852377.25	5.24E-04	1.65E-07	7.01E-08	5.65E-04	1.78E-07	7.57E-08	8.96E-04	2.83E-07	1.20E-07
3786	476863.09, 3852377.25	5.68E-04	1.79E-07	7.61E-08	6.13E-04	1.93E-07	8.21E-08	9.72E-04	3.07E-07	1.30E-07
3787	477363.09, 3852377.25	6.02E-04	1.90E-07	8.06E-08	6.49E-04	2.05E-07	8.70E-08	1.03E-03	3.25E-07	1.38E-07
3788	477863.09, 3852377.25	5.46E-04	1.72E-07	7.31E-08	5.90E-04	1.86E-07	7.89E-08	9.36E-04	2.95E-07	1.25E-07
3789	478363.09, 3852377.25	5.18E-04	1.64E-07	6.94E-08	5.59E-04	1.76E-07	7.49E-08	8.87E-04	2.80E-07	1.19E-07
3790	478863.09, 3852377.25	6.95E-04	2.19E-07	9.30E-08	7.49E-04	2.37E-07	1.00E-07	1.19E-03	3.74E-07	1.59E-07
3791	479363.09, 3852377.25	8.24E-04	2.60E-07	1.10E-07	8.89E-04	2.81E-07	1.19E-07	1.41E-03	4.44E-07	1.88E-07
3792	479863.09, 3852377.25	1.04E-03	3.30E-07	1.40E-07	1.13E-03	3.56E-07	1.51E-07	1.78E-03	5.63E-07	2.39E-07
3793	480363.09, 3852377.25	1.18E-03	3.74E-07	1.59E-07	1.28E-03	4.03E-07	1.71E-07	2.00E-03	6.33E-07	2.68E-07
3794	480863.09, 3852377.25	1.42E-03	4.47E-07	1.90E-07	1.53E-03	4.82E-07	2.04E-07	2.40E-03	7.56E-07	3.21E-07
3795	481363.09, 3852377.25	1.71E-03	5.40E-07	2.29E-07	1.84E-03	5.82E-07	2.47E-07	2.90E-03	9.17E-07	3.89E-07
3796	481863.09, 3852377.25	1.69E-03	5.34E-07	2.27E-07	1.82E-03	5.75E-07	2.44E-07	2.85E-03	9.01E-07	3.82E-07
3797	482363.09, 3852377.25	1.48E-03	4.66E-07	1.98E-07	1.59E-03	5.02E-07	2.13E-07	2.48E-03	7.84E-07	3.33E-07
3798	482863.09, 3852377.25	1.22E-03	3.86E-07	1.64E-07	1.32E-03	4.16E-07	1.76E-07	2.07E-03	6.52E-07	2.77E-07
3799	483363.09, 3852377.25	8.11E-04	2.56E-07	1.09E-07	8.73E-04	2.76E-07	1.17E-07	1.36E-03	4.31E-07	1.83E-07
3800	483863.09, 3852377.25	6.35E-04	2.00E-07	8.51E-08	6.84E-04	2.16E-07	9.16E-08	1.07E-03	3.37E-07	1.43E-07
3801	484363.09, 3852377.25	7.05E-04	2.23E-07	9.44E-08	7.60E-04	2.40E-07	1.02E-07	1.19E-03	3.75E-07	1.59E-07
3802	484863.09, 3852377.25	7.52E-04	2.37E-07	1.01E-07	8.10E-04	2.56E-07	1.08E-07	1.27E-03	4.00E-07	1.70E-07
3803	485363.09, 3852377.25	8.03E-04	2.53E-07	1.07E-07	8.64E-04	2.73E-07	1.16E-07	1.35E-03	4.27E-07	1.81E-07
3804	485863.09, 3852377.25	7.51E-04	2.37E-07	1.01E-07	8.10E-04	2.56E-07	1.08E-07	1.27E-03	4.02E-07	1.71E-07
3805	486363.09, 3852377.25	6.67E-04	2.10E-07	8.93E-08	7.19E-04	2.27E-07	9.63E-08	1.14E-03	3.59E-07	1.52E-07
3806	486863.09, 3852377.25	6.75E-04	2.13E-07	9.03E-08	7.28E-04	2.30E-07	9.75E-08	1.16E-03	3.65E-07	1.55E-07
3807	487363.09, 3852377.25	6.66E-04	2.10E-07	8.92E-08	7.20E-04	2.27E-07	9.64E-08	1.15E-03	3.62E-07	1.54E-07
3808	487863.09, 3852377.25	6.65E-04	2.10E-07	8.91E-08	7.18E-04	2.27E-07	9.62E-08	1.15E-03	3.62E-07	1.54E-07
3809	488363.09, 3852377.25	6.62E-04	2.09E-07	8.87E-08	7.15E-04	2.26E-07	9.58E-08	1.14E-03	3.61E-07	1.53E-07
3810	488863.09, 3852377.25	6.52E-04	2.06E-07	8.73E-08	7.04E-04	2.22E-07	9.43E-08	1.13E-03	3.56E-07	1.51E-07
3811	489363.09, 3852377.25	6.54E-04	2.07E-07	8.76E-08	7.07E-04	2.23E-07	9.47E-08	1.13E-03	3.57E-07	1.52E-07
3812	489863.09, 3852377.25	6.30E-04	1.99E-07	8.43E-08	6.80E-04	2.15E-07	9.11E-08	1.09E-03	3.44E-07	1.46E-07
3813	490363.09, 3852377.25	7.04E-04	2.22E-07	9.43E-08	7.61E-04	2.40E-07	1.02E-07	1.22E-03	3.84E-07	1.63E-07
3814	490863.09, 3852377.25	7.65E-04	2.41E-07	1.02E-07	8.26E-04	2.61E-07	1.11E-07	1.32E-03	4.17E-07	1.77E-07
3815	491363.09, 3852377.25	8.93E-04	2.82E-07	1.20E-07	9.65E-04	3.04E-07	1.29E-07	1.54E-03	4.86E-07	2.06E-07
3816	491863.09, 3852377.25	9.23E-04	2.91E-07	1.24E-07	9.97E-04	3.15E-07	1.34E-07	1.59E-03	5.02E-07	2.13E-07
3817	492363.09, 3852377.25	9.36E-04	2.95E-07	1.25E-07	1.01E-03	3.19E-07	1.35E-07	1.61E-03	5.09E-07	2.16E-07
3818	492863.09, 3852377.25	9.92E-04	3.13E-07	1.33E-07	1.07E-03	3.38E-07	1.43E-07	1.71E-03	5.39E-07	2.29E-07
3819	493363.09, 3852377.25	1.09E-03	3.43E-07	1.46E-07	1.17E-03	3.71E-07	1.57E-07	1.87E-03	5.91E-07	2.51E-07
3820	493863.09, 3852377.25	1.08E-03	3.40E-07	1.44E-07	1.16E-03	3.67E-07	1.56E-07	1.86E-03	5.86E-07	2.49E-07
3821	494363.09, 3852377.25	1.07E-03	3.38E-07	1.43E-07	1.16E-03	3.65E-07	1.55E-07	1.85E-03	5.83E-07	2.47E-07
3822	494863.09, 3852377.25	1.12E-03	3.54E-07	1.50E-07	1.21E-03	3.82E-07	1.62E-07	1.93E-03	6.10E-07	2.59E-07
3823	495363.09, 3852377.25	1.17E-03	3.70E-07	1.57E-07	1.27E-03	3.99E-07	1.69E-07	2.02E-03	6.37E-07	2.70E-07
3824	495863.09, 3852377.25	1.13E-03	3.57E-07	1.51E-07	1.22E-03	3.85E-07	1.63E-07	1.95E-03	6.15E-07	2.61E-07
3825	496363.09, 3852377.25	1.08E-03	3.42E-07	1.45E-07	1.17E-03	3.70E-07	1.57E-07	1.87E-03	5.90E-07	2.50E-07
3826	496863.09, 3852377.25	1.05E-03	3.32E-07	1.41E-07	1.14E-03	3.59E-07	1.52E-07	1.82E-03	5.73E-07	2.43E-07
3827	497363.09, 3852377.25	9.63E-04	3.04E-07	1.29E-07	1.04E-03	3.28E-07	1.39E-07	1.66E-03	5.24E-07	2.22E-07
3828	497863.09, 3852377.25	8.78E-04	2.77E-07	1.18E-07	9.48E-04	2.99E-07	1.27E-07	1.51E-03	4.78E-07	2.03E-07
3829	498363.09, 3852377.25	8.00E-04	2.53E-07	1.07E-07	8.65E-04	2.73E-07	1.16E-07	1.38E-03	4.36E-07	1.85E-07
3830	471363.09, 3852877.25	2.79E-04	8.81E-08	3.74E-08	3.02E-04	9.52E-08	4.04E-08	4.80E-04	1.51E-07	6.43E-08
3831	471863.09, 3852877.25	3.10E-04	9.80E-08	4.16E-08	3.35E-04	1.06E-07	4.49E-08	5.33E-04	1.68E-07	7.14E-08
3832	472363.09, 3852877.25	3.45E-04	1.09E-07	4.62E-08	3.73E-04	1.18E-07	4.99E-08	5.93E-04	1.87E-07	7.94E-08
3833	472863.09, 3852877.25	3.74E-04	1.18E-07	5.01E-08	4.04E-04	1.27E-07	5.40E-08	6.42E-04	2.02E-07	8.59E-08
3834	473363.09, 3852877.25	4.05E-04	1.28E-07	5.42E-08	4.37E-04	1.38E-07	5.85E-08	6.95E-04	2.19E-07	9.30E-08
3835	473863.09, 3852877.25	4.45E-04	1.40E-07	5.95E-08	4.80E-04	1.52E-07	6.43E-08	7.63E-04	2.41E-07	1.02E-07
3836	474363.09, 3852877.25	4.84E-04	1.53E-07	6.48E-08	5.23E-04	1.65E-07	7.00E-08	8.30E-04	2.62E-07	1.11E-07
3837	474863.09, 3852877.25	4.55E-04	1.43E-07	6.09E-08	4.91E-04	1.55E-07	6.57E-08	7.80E-04	2.46E-07	1.04E-07
3838	475363.09, 3852877.25	5.03E-04	1.59E-07	6.73E-08	5.42E-04	1.71E-07	7.26E-08	8.62E-04	2.72E-07	1.15E-07
3839	475863.09, 3852877.25	5.23E-04	1.65E-07	7.00E-08	5.64E-04	1.78E-07	7.56E-08	8.96E-04	2.83E-07	1.20E-07

3840	476363.09, 3852877.25	4.99E-04	1.58E-07	6.69E-08	5.39E-04	1.70E-07	7.22E-08	8.56E-04	2.70E-07	1.15E-07
3841	476863.09, 3852877.25	4.47E-04	1.41E-07	5.98E-08	4.82E-04	1.52E-07	6.46E-08	7.65E-04	2.42E-07	1.03E-07
3842	477363.09, 3852877.25	4.15E-04	1.31E-07	5.56E-08	4.48E-04	1.41E-07	6.00E-08	7.12E-04	2.25E-07	9.53E-08
3843	477863.09, 3852877.25	3.84E-04	1.21E-07	5.14E-08	4.14E-04	1.31E-07	5.55E-08	6.59E-04	2.08E-07	8.83E-08
3844	478363.09, 3852877.25	3.21E-04	1.01E-07	4.30E-08	3.47E-04	1.09E-07	4.64E-08	5.53E-04	1.74E-07	7.40E-08
3845	478863.09, 3852877.25	3.80E-04	1.20E-07	5.09E-08	4.10E-04	1.29E-07	5.49E-08	6.54E-04	2.06E-07	8.76E-08
3846	479363.09, 3852877.25	5.29E-04	1.67E-07	7.08E-08	5.71E-04	1.80E-07	7.65E-08	9.07E-04	2.86E-07	1.22E-07
3847	479863.09, 3852877.25	9.99E-04	3.15E-07	1.34E-07	1.08E-03	3.40E-07	1.44E-07	1.71E-03	5.38E-07	2.28E-07
3848	480363.09, 3852877.25	1.44E-03	4.55E-07	1.93E-07	1.56E-03	4.91E-07	2.08E-07	2.46E-03	7.77E-07	3.30E-07
3849	480863.09, 3852877.25	1.53E-03	4.82E-07	2.05E-07	1.65E-03	5.20E-07	2.21E-07	2.60E-03	8.19E-07	3.48E-07
3850	481363.09, 3852877.25	1.90E-03	6.01E-07	2.55E-07	2.05E-03	6.48E-07	2.75E-07	3.23E-03	1.02E-06	4.32E-07
3851	481863.09, 3852877.25	2.32E-03	7.32E-07	3.10E-07	2.50E-03	7.89E-07	3.35E-07	3.94E-03	1.24E-06	5.27E-07
3852	482363.09, 3852877.25	2.25E-03	7.09E-07	3.01E-07	2.42E-03	7.64E-07	3.24E-07	3.77E-03	1.19E-06	5.05E-07
3853	482863.09, 3852877.25	2.04E-03	6.45E-07	2.74E-07	2.20E-03	6.95E-07	2.95E-07	3.43E-03	1.08E-06	4.60E-07
3854	483363.09, 3852877.25	1.57E-03	4.95E-07	2.10E-07	1.69E-03	5.33E-07	2.26E-07	2.63E-03	8.30E-07	3.52E-07
3855	483863.09, 3852877.25	1.01E-03	3.17E-07	1.35E-07	1.08E-03	3.41E-07	1.45E-07	1.68E-03	5.30E-07	2.25E-07
3856	484363.09, 3852877.25	1.20E-03	3.77E-07	1.60E-07	1.29E-03	4.06E-07	1.72E-07	2.00E-03	6.30E-07	2.68E-07
3857	484863.09, 3852877.25	1.30E-03	4.10E-07	1.74E-07	1.40E-03	4.42E-07	1.88E-07	2.19E-03	6.90E-07	2.93E-07
3858	485363.09, 3852877.25	9.84E-04	3.11E-07	1.32E-07	1.06E-03	3.35E-07	1.42E-07	1.67E-03	5.27E-07	2.24E-07
3859	485863.09, 3852877.25	9.48E-04	2.99E-07	1.27E-07	1.02E-03	3.23E-07	1.37E-07	1.62E-03	5.12E-07	2.17E-07
3860	486363.09, 3852877.25	9.09E-04	2.87E-07	1.22E-07	9.82E-04	3.10E-07	1.31E-07	1.57E-03	4.95E-07	2.10E-07
3861	486863.09, 3852877.25	9.42E-04	2.97E-07	1.26E-07	1.02E-03	3.21E-07	1.36E-07	1.63E-03	5.14E-07	2.18E-07
3862	487363.09, 3852877.25	9.27E-04	2.93E-07	1.24E-07	1.00E-03	3.16E-07	1.34E-07	1.61E-03	5.07E-07	2.15E-07
3863	487863.09, 3852877.25	9.24E-04	2.92E-07	1.24E-07	9.99E-04	3.15E-07	1.34E-07	1.60E-03	5.05E-07	2.14E-07
3864	488363.09, 3852877.25	7.61E-04	2.40E-07	1.02E-07	8.23E-04	2.60E-07	1.10E-07	1.32E-03	4.17E-07	1.77E-07
3865	488863.09, 3852877.25	8.39E-04	2.65E-07	1.12E-07	9.07E-04	2.86E-07	1.21E-07	1.45E-03	4.59E-07	1.95E-07
3866	489363.09, 3852877.25	8.78E-04	2.77E-07	1.18E-07	9.49E-04	3.00E-07	1.27E-07	1.52E-03	4.80E-07	2.04E-07
3867	489863.09, 3852877.25	9.10E-04	2.87E-07	1.22E-07	9.83E-04	3.10E-07	1.32E-07	1.57E-03	4.96E-07	2.11E-07
3868	490363.09, 3852877.25	1.12E-03	3.54E-07	1.50E-07	1.21E-03	3.82E-07	1.62E-07	1.93E-03	6.10E-07	2.59E-07
3869	490863.09, 3852877.25	1.22E-03	3.86E-07	1.64E-07	1.32E-03	4.17E-07	1.77E-07	2.11E-03	6.65E-07	2.82E-07
3870	491363.09, 3852877.25	1.30E-03	4.11E-07	1.74E-07	1.41E-03	4.44E-07	1.88E-07	2.24E-03	7.08E-07	3.00E-07
3871	491863.09, 3852877.25	1.33E-03	4.19E-07	1.78E-07	1.43E-03	4.52E-07	1.92E-07	2.29E-03	7.21E-07	3.06E-07
3872	492363.09, 3852877.25	1.36E-03	4.30E-07	1.82E-07	1.47E-03	4.64E-07	1.97E-07	2.35E-03	7.41E-07	3.14E-07
3873	492863.09, 3852877.25	1.45E-03	4.57E-07	1.94E-07	1.56E-03	4.94E-07	2.10E-07	2.49E-03	7.87E-07	3.34E-07
3874	493363.09, 3852877.25	1.50E-03	4.75E-07	2.01E-07	1.62E-03	5.13E-07	2.18E-07	2.59E-03	8.17E-07	3.47E-07
3875	493863.09, 3852877.25	1.49E-03	4.69E-07	1.99E-07	1.60E-03	5.07E-07	2.15E-07	2.56E-03	8.08E-07	3.43E-07
3876	494363.09, 3852877.25	1.47E-03	4.65E-07	1.97E-07	1.59E-03	5.02E-07	2.13E-07	2.54E-03	8.00E-07	3.40E-07
3877	494863.09, 3852877.25	1.48E-03	4.68E-07	1.99E-07	1.60E-03	5.05E-07	2.14E-07	2.55E-03	8.06E-07	3.42E-07
3878	495363.09, 3852877.25	1.41E-03	4.44E-07	1.88E-07	1.52E-03	4.79E-07	2.03E-07	2.42E-03	7.65E-07	3.24E-07
3879	495863.09, 3852877.25	1.33E-03	4.20E-07	1.78E-07	1.44E-03	4.54E-07	1.93E-07	2.29E-03	7.24E-07	3.07E-07
3880	496363.09, 3852877.25	1.31E-03	4.12E-07	1.75E-07	1.41E-03	4.45E-07	1.89E-07	2.25E-03	7.10E-07	3.01E-07
3881	496863.09, 3852877.25	1.25E-03	3.94E-07	1.67E-07	1.35E-03	4.25E-07	1.80E-07	2.15E-03	6.78E-07	2.88E-07
3882	497363.09, 3852877.25	1.08E-03	3.42E-07	1.45E-07	1.17E-03	3.69E-07	1.57E-07	1.87E-03	5.89E-07	2.50E-07
3883	497863.09, 3852877.25	8.50E-04	2.68E-07	1.14E-07	9.18E-04	2.90E-07	1.23E-07	1.47E-03	4.62E-07	1.96E-07
3884	498363.09, 3852877.25	8.03E-04	2.53E-07	1.08E-07	8.67E-04	2.74E-07	1.16E-07	1.38E-03	4.37E-07	1.85E-07
3885	471363.09, 3853377.25	2.88E-04	9.09E-08	3.86E-08	3.11E-04	9.81E-08	4.16E-08	4.95E-04	1.56E-07	6.62E-08
3886	471863.09, 3853377.25	3.15E-04	9.94E-08	4.22E-08	3.40E-04	1.07E-07	4.55E-08	5.41E-04	1.71E-07	7.24E-08
3887	472363.09, 3853377.25	3.45E-04	1.09E-07	4.62E-08	3.72E-04	1.18E-07	4.99E-08	5.92E-04	1.87E-07	7.93E-08
3888	472863.09, 3853377.25	3.76E-04	1.19E-07	5.03E-08	4.06E-04	1.28E-07	5.44E-08	6.45E-04	2.04E-07	8.64E-08
3889	473363.09, 3853377.25	4.02E-04	1.27E-07	5.38E-08	4.34E-04	1.37E-07	5.81E-08	6.90E-04	2.18E-07	9.24E-08
3890	473863.09, 3853377.25	4.32E-04	1.36E-07	5.78E-08	4.66E-04	1.47E-07	6.24E-08	7.41E-04	2.34E-07	9.92E-08
3891	474363.09, 3853377.25	4.62E-04	1.46E-07	6.19E-08	4.99E-04	1.57E-07	6.68E-08	7.93E-04	2.50E-07	1.06E-07
3892	474863.09, 3853377.25	4.59E-04	1.45E-07	6.14E-08	4.95E-04	1.56E-07	6.63E-08	7.86E-04	2.48E-07	1.05E-07
3893	475363.09, 3853377.25	4.66E-04	1.47E-07	6.24E-08	5.03E-04	1.59E-07	6.73E-08	7.98E-04	2.52E-07	1.07E-07
3894	475863.09, 3853377.25	4.68E-04	1.48E-07	6.26E-08	5.05E-04	1.59E-07	6.76E-08	8.01E-04	2.53E-07	1.07E-07
3895	476363.09, 3853377.25	4.34E-04	1.37E-07	5.81E-08	4.68E-04	1.48E-07	6.27E-08	7.43E-04	2.35E-07	9.95E-08
3896	476863.09, 3853377.25	3.73E-04	1.18E-07	5.00E-08	4.03E-04	1.27E-07	5.40E-08	6.41E-04	2.02E-07	8.58E-08
3897	477363.09, 3853377.25	3.71E-04	1.17E-07	4.97E-08	4.00E-04	1.26E-07	5.36E-08	6.37E-04	2.01E-07	8.53E-08
3898	477863.09, 3853377.25	3.88E-04	1.23E-07	5.20E-08	4.19E-04	1.32E-07	5.61E-08	6.67E-04	2.11E-07	8.93E-08
3899	478363.09, 3853377.25	3.52E-04	1.11E-07	4.71E-08	3.80E-04	1.20E-07	5.09E-08	6.06E-04	1.91E-07	8.12E-08
3900	478863.09, 3853377.25	2.95E-04	9.33E-08	3.96E-08	3.19E-04	1.01E-07	4.28E-08	5.11E-04	1.61E-07	6.84E-08

3901	479363.09, 3853377.25	4.65E-04	1.47E-07	6.23E-08	5.03E-04	1.59E-07	6.73E-08	8.01E-04	2.53E-07	1.07E-07
3902	479863.09, 3853377.25	7.10E-04	2.24E-07	9.50E-08	7.66E-04	2.42E-07	1.03E-07	1.22E-03	3.84E-07	1.63E-07
3903	480363.09, 3853377.25	1.36E-03	4.28E-07	1.82E-07	1.46E-03	4.62E-07	1.96E-07	2.32E-03	7.33E-07	3.11E-07
3904	480863.09, 3853377.25	1.39E-03	4.40E-07	1.87E-07	1.50E-03	4.75E-07	2.01E-07	2.38E-03	7.51E-07	3.19E-07
3905	481363.09, 3853377.25	2.08E-03	6.55E-07	2.78E-07	2.24E-03	7.07E-07	3.00E-07	3.55E-03	1.12E-06	4.75E-07
3906	481863.09, 3853377.25	2.91E-03	9.19E-07	3.90E-07	3.14E-03	9.91E-07	4.20E-07	4.94E-03	1.56E-06	6.61E-07
3907	482363.09, 3853377.25	3.72E-03	1.18E-06	4.99E-07	4.01E-03	1.26E-06	5.37E-07	6.24E-03	1.97E-06	8.36E-07
3908	482863.09, 3853377.25	3.88E-03	1.23E-06	5.20E-07	4.16E-03	1.31E-06	5.57E-07	6.22E-03	1.96E-06	8.33E-07
3909	483363.09, 3853377.25	3.25E-03	1.03E-06	4.35E-07	3.48E-03	1.10E-06	4.65E-07	5.15E-03	1.62E-06	6.89E-07
3910	483863.09, 3853377.25	2.69E-03	8.50E-07	3.60E-07	2.89E-03	9.12E-07	3.87E-07	4.39E-03	1.39E-06	5.88E-07
3911	484363.09, 3853377.25	2.65E-03	8.37E-07	3.55E-07	2.85E-03	9.00E-07	3.82E-07	4.44E-03	1.40E-06	5.94E-07
3912	484863.09, 3853377.25	2.07E-03	6.53E-07	2.77E-07	2.23E-03	7.04E-07	2.99E-07	3.52E-03	1.11E-06	4.72E-07
3913	485363.09, 3853377.25	1.49E-03	4.71E-07	2.00E-07	1.61E-03	5.09E-07	2.16E-07	2.58E-03	8.15E-07	3.46E-07
3914	485863.09, 3853377.25	1.26E-03	3.98E-07	1.69E-07	1.37E-03	4.31E-07	1.83E-07	2.20E-03	6.94E-07	2.94E-07
3915	486363.09, 3853377.25	1.37E-03	4.31E-07	1.83E-07	1.48E-03	4.66E-07	1.98E-07	2.38E-03	7.50E-07	3.18E-07
3916	486863.09, 3853377.25	1.43E-03	4.51E-07	1.91E-07	1.54E-03	4.88E-07	2.07E-07	2.48E-03	7.83E-07	3.32E-07
3917	487363.09, 3853377.25	1.54E-03	4.87E-07	2.07E-07	1.67E-03	5.26E-07	2.23E-07	2.67E-03	8.44E-07	3.58E-07
3918	487863.09, 3853377.25	1.62E-03	5.10E-07	2.16E-07	1.75E-03	5.51E-07	2.34E-07	2.79E-03	8.82E-07	3.74E-07
3919	488363.09, 3853377.25	1.71E-03	5.41E-07	2.29E-07	1.85E-03	5.84E-07	2.48E-07	2.96E-03	9.33E-07	3.96E-07
3920	488863.09, 3853377.25	1.72E-03	5.44E-07	2.31E-07	1.86E-03	5.88E-07	2.49E-07	2.97E-03	9.38E-07	3.98E-07
3921	489363.09, 3853377.25	1.73E-03	5.46E-07	2.32E-07	1.87E-03	5.89E-07	2.50E-07	2.98E-03	9.40E-07	3.99E-07
3922	489863.09, 3853377.25	1.68E-03	5.32E-07	2.26E-07	1.82E-03	5.74E-07	2.44E-07	2.90E-03	9.16E-07	3.89E-07
3923	490363.09, 3853377.25	1.78E-03	5.62E-07	2.38E-07	1.92E-03	6.07E-07	2.57E-07	3.07E-03	9.67E-07	4.10E-07
3924	490863.09, 3853377.25	1.83E-03	5.76E-07	2.45E-07	1.97E-03	6.22E-07	2.64E-07	3.14E-03	9.92E-07	4.21E-07
3925	491363.09, 3853377.25	1.87E-03	5.90E-07	2.50E-07	2.02E-03	6.37E-07	2.70E-07	3.22E-03	1.02E-06	4.31E-07
3926	491863.09, 3853377.25	1.90E-03	6.01E-07	2.55E-07	2.05E-03	6.49E-07	2.75E-07	3.27E-03	1.03E-06	4.38E-07
3927	492363.09, 3853377.25	1.98E-03	6.24E-07	2.65E-07	2.13E-03	6.74E-07	2.86E-07	3.40E-03	1.07E-06	4.55E-07
3928	492863.09, 3853377.25	2.04E-03	6.43E-07	2.73E-07	2.20E-03	6.95E-07	2.95E-07	3.51E-03	1.11E-06	4.70E-07
3929	493363.09, 3853377.25	2.03E-03	6.40E-07	2.72E-07	2.19E-03	6.92E-07	2.93E-07	3.49E-03	1.10E-06	4.68E-07
3930	493863.09, 3853377.25	1.99E-03	6.29E-07	2.67E-07	2.15E-03	6.79E-07	2.88E-07	3.43E-03	1.08E-06	4.60E-07
3931	494363.09, 3853377.25	1.90E-03	6.00E-07	2.55E-07	2.05E-03	6.48E-07	2.75E-07	3.28E-03	1.03E-06	4.39E-07
3932	494863.09, 3853377.25	1.78E-03	5.63E-07	2.39E-07	1.93E-03	6.08E-07	2.58E-07	3.07E-03	9.70E-07	4.11E-07
3933	495363.09, 3853377.25	1.72E-03	5.44E-07	2.31E-07	1.86E-03	5.87E-07	2.49E-07	2.97E-03	9.37E-07	3.97E-07
3934	495863.09, 3853377.25	1.63E-03	5.14E-07	2.18E-07	1.76E-03	5.55E-07	2.36E-07	2.81E-03	8.86E-07	3.76E-07
3935	496363.09, 3853377.25	1.50E-03	4.75E-07	2.01E-07	1.62E-03	5.13E-07	2.18E-07	2.59E-03	8.18E-07	3.47E-07
3936	496863.09, 3853377.25	1.33E-03	4.20E-07	1.78E-07	1.44E-03	4.53E-07	1.92E-07	2.29E-03	7.23E-07	3.07E-07
3937	497363.09, 3853377.25	1.13E-03	3.56E-07	1.51E-07	1.22E-03	3.85E-07	1.63E-07	1.94E-03	6.14E-07	2.60E-07
3938	497863.09, 3853377.25	7.99E-04	2.52E-07	1.07E-07	8.63E-04	2.72E-07	1.16E-07	1.38E-03	4.35E-07	1.84E-07
3939	498363.09, 3853377.25	6.47E-04	2.04E-07	8.66E-08	6.99E-04	2.21E-07	9.36E-08	1.12E-03	3.52E-07	1.49E-07
3940	471363.09, 3853877.25	2.99E-04	9.43E-08	4.00E-08	3.23E-04	1.02E-07	4.32E-08	5.14E-04	1.62E-07	6.88E-08
3941	471863.09, 3853877.25	3.29E-04	1.04E-07	4.40E-08	3.55E-04	1.12E-07	4.75E-08	5.65E-04	1.78E-07	7.56E-08
3942	472363.09, 3853877.25	3.48E-04	1.10E-07	4.66E-08	3.76E-04	1.19E-07	5.04E-08	5.99E-04	1.89E-07	8.02E-08
3943	472863.09, 3853877.25	3.75E-04	1.18E-07	5.02E-08	4.05E-04	1.28E-07	5.42E-08	6.44E-04	2.03E-07	8.62E-08
3944	473363.09, 3853877.25	3.93E-04	1.24E-07	5.27E-08	4.25E-04	1.34E-07	5.69E-08	6.76E-04	2.13E-07	9.05E-08
3945	473863.09, 3853877.25	4.15E-04	1.31E-07	5.56E-08	4.48E-04	1.41E-07	6.00E-08	7.13E-04	2.25E-07	9.55E-08
3946	474363.09, 3853877.25	4.47E-04	1.41E-07	5.98E-08	4.82E-04	1.52E-07	6.46E-08	7.67E-04	2.42E-07	1.03E-07
3947	474863.09, 3853877.25	4.73E-04	1.49E-07	6.34E-08	5.11E-04	1.61E-07	6.84E-08	8.12E-04	2.56E-07	1.09E-07
3948	475363.09, 3853877.25	4.63E-04	1.46E-07	6.20E-08	5.00E-04	1.58E-07	6.69E-08	7.94E-04	2.51E-07	1.06E-07
3949	475863.09, 3853877.25	4.04E-04	1.27E-07	5.41E-08	4.36E-04	1.38E-07	5.84E-08	6.93E-04	2.19E-07	9.28E-08
3950	476363.09, 3853877.25	3.51E-04	1.11E-07	4.70E-08	3.79E-04	1.20E-07	5.08E-08	6.04E-04	1.91E-07	8.08E-08
3951	476863.09, 3853877.25	2.92E-04	9.22E-08	3.91E-08	3.15E-04	9.96E-08	4.22E-08	5.03E-04	1.59E-07	6.74E-08
3952	477363.09, 3853877.25	3.19E-04	1.01E-07	4.27E-08	3.44E-04	1.09E-07	4.61E-08	5.49E-04	1.73E-07	7.35E-08
3953	477863.09, 3853877.25	3.65E-04	1.15E-07	4.89E-08	3.94E-04	1.24E-07	5.28E-08	6.28E-04	1.98E-07	8.42E-08
3954	478363.09, 3853877.25	3.91E-04	1.23E-07	5.23E-08	4.22E-04	1.33E-07	5.65E-08	6.72E-04	2.12E-07	9.00E-08
3955	478863.09, 3853877.25	3.06E-04	9.66E-08	4.10E-08	3.31E-04	1.04E-07	4.43E-08	5.29E-04	1.67E-07	7.08E-08
3956	479363.09, 3853877.25	4.09E-04	1.29E-07	5.47E-08	4.41E-04	1.39E-07	5.91E-08	7.05E-04	2.22E-07	9.44E-08
3957	479863.09, 3853877.25	7.26E-04	2.29E-07	9.72E-08	7.84E-04	2.47E-07	1.05E-07	1.25E-03	3.93E-07	1.67E-07
3958	480363.09, 3853877.25	1.10E-03	3.47E-07	1.47E-07	1.19E-03	3.74E-07	1.59E-07	1.88E-03	5.94E-07	2.52E-07
3959	480863.09, 3853877.25	1.99E-03	6.28E-07	2.66E-07	2.15E-03	6.78E-07	2.88E-07	3.41E-03	1.08E-06	4.57E-07
3960	481363.09, 3853877.25	2.85E-03	9.00E-07	3.82E-07	3.08E-03	9.72E-07	4.12E-07	4.90E-03	1.55E-06	6.57E-07
3961	481863.09, 3853877.25	4.10E-03	1.29E-06	5.49E-07	4.43E-03	1.40E-06	5.93E-07	7.05E-03	2.23E-06	9.45E-07

3962	482363.09, 3853877.25	6.10E-03	1.93E-06	8.17E-07	6.59E-03	2.08E-06	8.83E-07	1.05E-02	3.32E-06	1.41E-06
3963	482863.09, 3853877.25	2.88E-02	9.10E-06	3.86E-06	3.15E-02	9.95E-06	4.22E-06	5.46E-02	1.72E-05	7.31E-06
3964	483363.09, 3853877.25	1.11E-02	3.50E-06	1.49E-06	1.20E-02	3.79E-06	1.61E-06	1.93E-02	6.08E-06	2.58E-06
3965	483863.09, 3853877.25	7.82E-03	2.47E-06	1.05E-06	8.47E-03	2.67E-06	1.13E-06	1.37E-02	4.32E-06	1.84E-06
3966	484363.09, 3853877.25	5.25E-03	1.66E-06	7.02E-07	5.68E-03	1.79E-06	7.61E-07	9.21E-03	2.91E-06	1.23E-06
3967	484863.09, 3853877.25	3.62E-03	1.14E-06	4.85E-07	3.92E-03	1.24E-06	5.25E-07	6.38E-03	2.01E-06	8.54E-07
3968	485363.09, 3853877.25	2.54E-03	8.02E-07	3.40E-07	2.75E-03	8.69E-07	3.69E-07	4.48E-03	1.41E-06	5.99E-07
3969	485863.09, 3853877.25	2.73E-03	8.63E-07	3.66E-07	2.96E-03	9.34E-07	3.96E-07	4.78E-03	1.51E-06	6.40E-07
3970	486363.09, 3853877.25	2.67E-03	8.43E-07	3.58E-07	2.89E-03	9.11E-07	3.87E-07	4.64E-03	1.47E-06	6.22E-07
3971	486863.09, 3853877.25	2.54E-03	8.02E-07	3.40E-07	2.75E-03	8.66E-07	3.68E-07	4.40E-03	1.39E-06	5.90E-07
3972	487363.09, 3853877.25	2.61E-03	8.25E-07	3.50E-07	2.82E-03	8.91E-07	3.78E-07	4.51E-03	1.42E-06	6.04E-07
3973	487863.09, 3853877.25	2.85E-03	8.99E-07	3.82E-07	3.08E-03	9.71E-07	4.12E-07	4.91E-03	1.55E-06	6.57E-07
3974	488363.09, 3853877.25	2.90E-03	9.16E-07	3.89E-07	3.13E-03	9.89E-07	4.20E-07	4.99E-03	1.58E-06	6.69E-07
3975	488863.09, 3853877.25	3.03E-03	9.57E-07	4.06E-07	3.27E-03	1.03E-06	4.39E-07	5.21E-03	1.65E-06	6.98E-07
3976	489363.09, 3853877.25	2.84E-03	8.97E-07	3.81E-07	3.07E-03	9.68E-07	4.11E-07	4.88E-03	1.54E-06	6.54E-07
3977	489863.09, 3853877.25	2.85E-03	8.99E-07	3.81E-07	3.08E-03	9.71E-07	4.12E-07	4.90E-03	1.55E-06	6.56E-07
3978	490363.09, 3853877.25	2.76E-03	8.72E-07	3.70E-07	2.98E-03	9.41E-07	3.99E-07	4.75E-03	1.50E-06	6.36E-07
3979	490863.09, 3853877.25	2.74E-03	8.64E-07	3.66E-07	2.95E-03	9.32E-07	3.96E-07	4.70E-03	1.48E-06	6.30E-07
3980	491363.09, 3853877.25	2.72E-03	8.60E-07	3.65E-07	2.94E-03	9.28E-07	3.94E-07	4.68E-03	1.48E-06	6.27E-07
3981	491863.09, 3853877.25	2.70E-03	8.52E-07	3.62E-07	2.92E-03	9.20E-07	3.91E-07	4.64E-03	1.47E-06	6.22E-07
3982	492363.09, 3853877.25	2.77E-03	8.73E-07	3.70E-07	2.99E-03	9.43E-07	4.00E-07	4.76E-03	1.50E-06	6.37E-07
3983	492863.09, 3853877.25	2.76E-03	8.72E-07	3.70E-07	2.98E-03	9.41E-07	3.99E-07	4.75E-03	1.50E-06	6.37E-07
3984	493363.09, 3853877.25	2.66E-03	8.40E-07	3.56E-07	2.88E-03	9.07E-07	3.85E-07	4.58E-03	1.45E-06	6.14E-07
3985	493863.09, 3853877.25	2.53E-03	7.98E-07	3.39E-07	2.73E-03	8.62E-07	3.66E-07	4.36E-03	1.38E-06	5.83E-07
3986	494363.09, 3853877.25	2.42E-03	7.65E-07	3.25E-07	2.62E-03	8.27E-07	3.51E-07	4.18E-03	1.32E-06	5.59E-07
3987	494863.09, 3853877.25	2.27E-03	7.16E-07	3.04E-07	2.45E-03	7.73E-07	3.28E-07	3.91E-03	1.23E-06	5.23E-07
3988	495363.09, 3853877.25	1.97E-03	6.21E-07	2.63E-07	2.12E-03	6.71E-07	2.85E-07	3.39E-03	1.07E-06	4.54E-07
3989	495863.09, 3853877.25	1.74E-03	5.50E-07	2.33E-07	1.88E-03	5.94E-07	2.52E-07	3.00E-03	9.47E-07	4.02E-07
3990	496363.09, 3853877.25	1.60E-03	5.04E-07	2.14E-07	1.73E-03	5.45E-07	2.31E-07	2.75E-03	8.69E-07	3.69E-07
3991	496863.09, 3853877.25	1.37E-03	4.31E-07	1.83E-07	1.47E-03	4.66E-07	1.98E-07	2.35E-03	7.43E-07	3.15E-07
3992	497363.09, 3853877.25	1.18E-03	3.74E-07	1.59E-07	1.28E-03	4.04E-07	1.71E-07	2.04E-03	6.44E-07	2.73E-07
3993	497863.09, 3853877.25	9.58E-04	3.02E-07	1.28E-07	1.03E-03	3.27E-07	1.39E-07	1.65E-03	5.21E-07	2.21E-07
3994	498363.09, 3853877.25	8.27E-04	2.61E-07	1.11E-07	8.93E-04	2.82E-07	1.20E-07	1.43E-03	4.50E-07	1.91E-07
3995	471363.09, 3854377.25	3.10E-04	9.79E-08	4.15E-08	3.35E-04	1.06E-07	4.49E-08	5.33E-04	1.68E-07	7.14E-08
3996	471863.09, 3854377.25	3.42E-04	1.08E-07	4.58E-08	3.69E-04	1.16E-07	4.94E-08	5.87E-04	1.85E-07	7.86E-08
3997	472363.09, 3854377.25	3.65E-04	1.15E-07	4.88E-08	3.94E-04	1.24E-07	5.27E-08	6.26E-04	1.98E-07	8.38E-08
3998	472863.09, 3854377.25	3.82E-04	1.20E-07	5.11E-08	4.12E-04	1.30E-07	5.52E-08	6.55E-04	2.07E-07	8.77E-08
3999	473363.09, 3854377.25	4.07E-04	1.28E-07	5.45E-08	4.39E-04	1.39E-07	5.88E-08	6.98E-04	2.20E-07	9.34E-08
4000	473863.09, 3854377.25	4.39E-04	1.38E-07	5.87E-08	4.74E-04	1.49E-07	6.34E-08	7.52E-04	2.37E-07	1.01E-07
4001	474363.09, 3854377.25	4.73E-04	1.49E-07	6.34E-08	5.11E-04	1.61E-07	6.84E-08	8.12E-04	2.56E-07	1.09E-07
4002	474863.09, 3854377.25	4.56E-04	1.44E-07	6.10E-08	4.92E-04	1.55E-07	6.59E-08	7.82E-04	2.47E-07	1.05E-07
4003	475363.09, 3854377.25	3.98E-04	1.26E-07	5.33E-08	4.30E-04	1.36E-07	5.76E-08	6.83E-04	2.16E-07	9.15E-08
4004	475863.09, 3854377.25	2.95E-04	9.32E-08	3.96E-08	3.19E-04	1.01E-07	4.27E-08	5.08E-04	1.60E-07	6.80E-08
4005	476363.09, 3854377.25	2.78E-04	8.77E-08	3.72E-08	3.00E-04	9.47E-08	4.02E-08	4.78E-04	1.51E-07	6.40E-08
4006	476863.09, 3854377.25	2.77E-04	8.75E-08	3.71E-08	3.00E-04	9.45E-08	4.01E-08	4.78E-04	1.51E-07	6.40E-08
4007	477363.09, 3854377.25	2.84E-04	8.95E-08	3.80E-08	3.06E-04	9.67E-08	4.10E-08	4.89E-04	1.54E-07	6.55E-08
4008	477863.09, 3854377.25	2.96E-04	9.34E-08	3.96E-08	3.20E-04	1.01E-07	4.28E-08	5.10E-04	1.61E-07	6.83E-08
4009	478363.09, 3854377.25	3.45E-04	1.09E-07	4.62E-08	3.72E-04	1.18E-07	4.99E-08	5.94E-04	1.87E-07	7.95E-08
4010	478863.09, 3854377.25	3.80E-04	1.20E-07	5.09E-08	4.10E-04	1.30E-07	5.50E-08	6.54E-04	2.07E-07	8.76E-08
4011	479363.09, 3854377.25	5.63E-04	1.78E-07	7.55E-08	6.08E-04	1.92E-07	8.15E-08	9.68E-04	3.05E-07	1.30E-07
4012	479863.09, 3854377.25	7.36E-04	2.32E-07	9.86E-08	7.95E-04	2.51E-07	1.06E-07	1.26E-03	3.98E-07	1.69E-07
4013	480363.09, 3854377.25	1.06E-03	3.36E-07	1.42E-07	1.15E-03	3.62E-07	1.54E-07	1.82E-03	5.74E-07	2.44E-07
4014	480863.09, 3854377.25	1.81E-03	5.72E-07	2.43E-07	1.96E-03	6.18E-07	2.62E-07	3.09E-03	9.77E-07	4.14E-07
4015	481363.09, 3854377.25	3.06E-03	9.66E-07	4.10E-07	3.30E-03	1.04E-06	4.43E-07	5.24E-03	1.66E-06	7.02E-07
4016	481863.09, 3854377.25	5.49E-03	1.73E-06	7.35E-07	5.93E-03	1.87E-06	7.94E-07	9.51E-03	3.00E-06	1.27E-06
4017	482363.09, 3854377.25	8.76E-03	2.76E-06	1.17E-06	9.48E-03	2.99E-06	1.27E-06	1.54E-02	4.85E-06	2.06E-06
4018	482863.09, 3854377.25	3.48E-02	1.10E-05	4.66E-06	3.78E-02	1.19E-05	5.07E-06	6.29E-02	1.99E-05	8.42E-06
4019	483363.09, 3854377.25	3.77E-02	1.19E-05	5.04E-06	4.11E-02	1.30E-05	5.50E-06	7.02E-02	2.22E-05	9.40E-06
4020	483863.09, 3854377.25	1.56E-02	4.92E-06	2.09E-06	1.69E-02	5.34E-06	2.27E-06	2.80E-02	8.83E-06	3.74E-06
4021	484363.09, 3854377.25	9.01E-03	2.84E-06	1.21E-06	9.76E-03	3.08E-06	1.31E-06	1.59E-02	5.03E-06	2.14E-06
4022	484863.09, 3854377.25	6.13E-03	1.94E-06	8.21E-07	6.64E-03	2.10E-06	8.89E-07	1.08E-02	3.40E-06	1.44E-06

4023	485363.09, 3854377.25	6.55E-03	2.07E-06	8.77E-07	7.08E-03	2.23E-06	9.48E-07	1.13E-02	3.58E-06	1.52E-06
4024	485863.09, 3854377.25	5.11E-03	1.61E-06	6.84E-07	5.52E-03	1.74E-06	7.39E-07	8.83E-03	2.79E-06	1.18E-06
4025	486363.09, 3854377.25	5.08E-03	1.60E-06	6.81E-07	5.49E-03	1.73E-06	7.35E-07	8.74E-03	2.76E-06	1.17E-06
4026	486863.09, 3854377.25	4.60E-03	1.45E-06	6.16E-07	4.97E-03	1.57E-06	6.65E-07	7.90E-03	2.49E-06	1.06E-06
4027	487363.09, 3854377.25	4.58E-03	1.44E-06	6.13E-07	4.94E-03	1.56E-06	6.61E-07	7.84E-03	2.48E-06	1.05E-06
4028	487863.09, 3854377.25	4.72E-03	1.49E-06	6.32E-07	5.10E-03	1.61E-06	6.83E-07	8.09E-03	2.55E-06	1.08E-06
4029	488363.09, 3854377.25	4.71E-03	1.49E-06	6.30E-07	5.08E-03	1.60E-06	6.80E-07	8.07E-03	2.55E-06	1.08E-06
4030	488863.09, 3854377.25	4.65E-03	1.47E-06	6.23E-07	5.02E-03	1.59E-06	6.73E-07	7.98E-03	2.52E-06	1.07E-06
4031	489363.09, 3854377.25	4.53E-03	1.43E-06	6.06E-07	4.89E-03	1.54E-06	6.54E-07	7.77E-03	2.45E-06	1.04E-06
4032	489863.09, 3854377.25	4.34E-03	1.37E-06	5.82E-07	4.69E-03	1.48E-06	6.28E-07	7.46E-03	2.35E-06	9.99E-07
4033	490363.09, 3854377.25	4.11E-03	1.30E-06	5.50E-07	4.44E-03	1.40E-06	5.94E-07	7.06E-03	2.23E-06	9.45E-07
4034	490863.09, 3854377.25	3.38E-03	1.07E-06	4.52E-07	3.64E-03	1.15E-06	4.88E-07	5.79E-03	1.83E-06	7.76E-07
4035	491363.09, 3854377.25	3.61E-03	1.14E-06	4.83E-07	3.89E-03	1.23E-06	5.22E-07	6.20E-03	1.96E-06	8.30E-07
4036	491863.09, 3854377.25	3.74E-03	1.18E-06	5.01E-07	4.04E-03	1.28E-06	5.41E-07	6.43E-03	2.03E-06	8.62E-07
4037	492363.09, 3854377.25	3.71E-03	1.17E-06	4.97E-07	4.01E-03	1.27E-06	5.37E-07	6.39E-03	2.02E-06	8.56E-07
4038	492863.09, 3854377.25	3.56E-03	1.12E-06	4.77E-07	3.84E-03	1.21E-06	5.15E-07	6.13E-03	1.93E-06	8.21E-07
4039	493363.09, 3854377.25	3.34E-03	1.05E-06	4.47E-07	3.61E-03	1.14E-06	4.83E-07	5.75E-03	1.82E-06	7.70E-07
4040	493863.09, 3854377.25	3.12E-03	9.84E-07	4.18E-07	3.37E-03	1.06E-06	4.51E-07	5.37E-03	1.70E-06	7.19E-07
4041	494363.09, 3854377.25	2.91E-03	9.19E-07	3.90E-07	3.15E-03	9.93E-07	4.21E-07	5.02E-03	1.58E-06	6.72E-07
4042	494863.09, 3854377.25	2.39E-03	7.54E-07	3.20E-07	2.58E-03	8.14E-07	3.45E-07	4.11E-03	1.30E-06	5.51E-07
4043	495363.09, 3854377.25	1.92E-03	6.05E-07	2.57E-07	2.07E-03	6.54E-07	2.77E-07	3.30E-03	1.04E-06	4.42E-07
4044	495863.09, 3854377.25	1.63E-03	5.13E-07	2.18E-07	1.76E-03	5.54E-07	2.35E-07	2.80E-03	8.83E-07	3.75E-07
4045	496363.09, 3854377.25	1.48E-03	4.68E-07	1.99E-07	1.60E-03	5.06E-07	2.15E-07	2.56E-03	8.06E-07	3.42E-07
4046	496863.09, 3854377.25	1.31E-03	4.13E-07	1.75E-07	1.41E-03	4.46E-07	1.89E-07	2.25E-03	7.11E-07	3.02E-07
4047	497363.09, 3854377.25	1.06E-03	3.34E-07	1.42E-07	1.14E-03	3.61E-07	1.53E-07	1.82E-03	5.75E-07	2.44E-07
4048	497863.09, 3854377.25	1.07E-03	3.38E-07	1.44E-07	1.16E-03	3.66E-07	1.55E-07	1.85E-03	5.83E-07	2.47E-07
4049	498363.09, 3854377.25	9.36E-04	2.95E-07	1.25E-07	1.01E-03	3.19E-07	1.35E-07	1.61E-03	5.09E-07	2.16E-07
4050	471363.09, 3854877.25	3.16E-04	9.97E-08	4.23E-08	3.41E-04	1.08E-07	4.57E-08	5.42E-04	1.71E-07	7.26E-08
4051	471863.09, 3854877.25	3.42E-04	1.08E-07	4.58E-08	3.69E-04	1.16E-07	4.94E-08	5.86E-04	1.85E-07	7.85E-08
4052	472363.09, 3854877.25	3.65E-04	1.15E-07	4.89E-08	3.94E-04	1.24E-07	5.28E-08	6.26E-04	1.98E-07	8.38E-08
4053	472863.09, 3854877.25	3.76E-04	1.19E-07	5.04E-08	4.06E-04	1.28E-07	5.44E-08	6.45E-04	2.04E-07	8.64E-08
4054	473363.09, 3854877.25	4.13E-04	1.30E-07	5.53E-08	4.46E-04	1.41E-07	5.97E-08	7.08E-04	2.23E-07	9.48E-08
4055	473863.09, 3854877.25	4.50E-04	1.42E-07	6.02E-08	4.86E-04	1.53E-07	6.50E-08	7.72E-04	2.44E-07	1.03E-07
4056	474363.09, 3854877.25	4.98E-04	1.57E-07	6.67E-08	5.38E-04	1.70E-07	7.20E-08	8.55E-04	2.70E-07	1.14E-07
4057	474863.09, 3854877.25	4.18E-04	1.32E-07	5.59E-08	4.51E-04	1.42E-07	6.04E-08	7.16E-04	2.26E-07	9.59E-08
4058	475363.09, 3854877.25	3.35E-04	1.06E-07	4.49E-08	3.62E-04	1.14E-07	4.85E-08	5.75E-04	1.81E-07	7.70E-08
4059	475863.09, 3854877.25	2.69E-04	8.48E-08	3.60E-08	2.90E-04	9.15E-08	3.88E-08	4.61E-04	1.46E-07	6.18E-08
4060	476363.09, 3854877.25	1.94E-04	6.11E-08	2.59E-08	2.09E-04	6.61E-08	2.80E-08	3.34E-04	1.05E-07	4.47E-08
4061	476863.09, 3854877.25	1.96E-04	6.20E-08	2.63E-08	2.12E-04	6.70E-08	2.84E-08	3.39E-04	1.07E-07	4.54E-08
4062	477363.09, 3854877.25	2.37E-04	7.46E-08	3.17E-08	2.55E-04	8.06E-08	3.42E-08	4.08E-04	1.29E-07	5.46E-08
4063	477863.09, 3854877.25	2.77E-04	8.74E-08	3.71E-08	2.99E-04	9.44E-08	4.00E-08	4.77E-04	1.50E-07	6.38E-08
4064	478363.09, 3854877.25	3.66E-04	1.16E-07	4.91E-08	3.96E-04	1.25E-07	5.30E-08	6.30E-04	1.99E-07	8.44E-08
4065	478863.09, 3854877.25	5.14E-04	1.62E-07	6.88E-08	5.54E-04	1.75E-07	7.42E-08	8.81E-04	2.78E-07	1.18E-07
4066	479363.09, 3854877.25	7.25E-04	2.29E-07	9.71E-08	7.83E-04	2.47E-07	1.05E-07	1.24E-03	3.92E-07	1.66E-07
4067	479863.09, 3854877.25	1.02E-03	3.22E-07	1.37E-07	1.10E-03	3.47E-07	1.47E-07	1.74E-03	5.49E-07	2.33E-07
4068	480363.09, 3854877.25	1.38E-03	4.36E-07	1.85E-07	1.49E-03	4.70E-07	2.00E-07	2.35E-03	7.43E-07	3.15E-07
4069	480863.09, 3854877.25	2.24E-03	7.07E-07	3.00E-07	2.42E-03	7.63E-07	3.24E-07	3.82E-03	1.21E-06	5.12E-07
4070	481363.09, 3854877.25	3.19E-03	1.01E-06	4.27E-07	3.44E-03	1.08E-06	4.60E-07	5.44E-03	1.72E-06	7.29E-07
4071	481863.09, 3854877.25	3.55E-03	1.12E-06	4.75E-07	3.83E-03	1.21E-06	5.13E-07	6.04E-03	1.91E-06	8.09E-07
4072	482363.09, 3854877.25	9.14E-03	2.88E-06	1.22E-06	9.88E-03	3.12E-06	1.32E-06	1.59E-02	5.00E-06	2.12E-06
4073	482863.09, 3854877.25	1.88E-02	5.93E-06	2.52E-06	2.03E-02	6.41E-06	2.72E-06	3.27E-02	1.03E-05	4.38E-06
4074	483363.09, 3854877.25	1.06E-01	3.36E-05	1.43E-05	1.15E-01	3.64E-05	1.55E-05	1.90E-01	5.99E-05	2.54E-05
4075	483863.09, 3854877.25	9.44E-02	2.98E-05	1.26E-05	1.01E-01	3.20E-05	1.36E-05	1.55E-01	4.88E-05	2.07E-05
4076	484363.09, 3854877.25	3.09E-02	9.75E-06	4.14E-06	3.32E-02	1.05E-05	4.45E-06	5.14E-02	1.62E-05	6.88E-06
4077	484863.09, 3854877.25	1.95E-02	6.16E-06	2.61E-06	2.10E-02	6.63E-06	2.81E-06	3.29E-02	1.04E-05	4.40E-06
4078	485363.09, 3854877.25	1.45E-02	4.59E-06	1.95E-06	1.57E-02	4.94E-06	2.10E-06	2.46E-02	7.76E-06	3.29E-06
4079	485863.09, 3854877.25	1.13E-02	3.56E-06	1.51E-06	1.22E-02	3.84E-06	1.63E-06	1.91E-02	6.04E-06	2.56E-06
4080	486363.09, 3854877.25	9.20E-03	2.90E-06	1.23E-06	9.92E-03	3.13E-06	1.33E-06	1.57E-02	4.94E-06	2.10E-06
4081	486863.09, 3854877.25	7.95E-03	2.51E-06	1.06E-06	8.58E-03	2.71E-06	1.15E-06	1.35E-02	4.28E-06	1.81E-06
4082	487363.09, 3854877.25	7.63E-03	2.41E-06	1.02E-06	8.24E-03	2.60E-06	1.10E-06	1.30E-02	4.11E-06	1.74E-06
4083	487863.09, 3854877.25	7.35E-03	2.32E-06	9.85E-07	7.93E-03	2.50E-06	1.06E-06	1.26E-02	3.97E-06	1.68E-06

4084	488363.09, 3854877.25	7.13E-03	2.25E-06	9.54E-07	7.69E-03	2.43E-06	1.03E-06	1.22E-02	3.85E-06	1.63E-06
4085	488863.09, 3854877.25	6.98E-03	2.20E-06	9.35E-07	7.53E-03	2.38E-06	1.01E-06	1.20E-02	3.78E-06	1.60E-06
4086	489363.09, 3854877.25	6.61E-03	2.09E-06	8.86E-07	7.14E-03	2.25E-06	9.56E-07	1.14E-02	3.58E-06	1.52E-06
4087	489863.09, 3854877.25	5.97E-03	1.88E-06	8.00E-07	6.45E-03	2.03E-06	8.63E-07	1.03E-02	3.24E-06	1.37E-06
4088	490363.09, 3854877.25	4.50E-03	1.42E-06	6.03E-07	4.86E-03	1.53E-06	6.51E-07	7.72E-03	2.44E-06	1.03E-06
4089	490863.09, 3854877.25	3.29E-03	1.04E-06	4.41E-07	3.55E-03	1.12E-06	4.76E-07	5.64E-03	1.78E-06	7.56E-07
4090	491363.09, 3854877.25	3.46E-03	1.09E-06	4.64E-07	3.74E-03	1.18E-06	5.01E-07	5.94E-03	1.88E-06	7.96E-07
4091	491863.09, 3854877.25	4.80E-03	1.51E-06	6.43E-07	5.18E-03	1.64E-06	6.94E-07	8.26E-03	2.61E-06	1.11E-06
4092	492363.09, 3854877.25	4.70E-03	1.48E-06	6.29E-07	5.07E-03	1.60E-06	6.79E-07	8.09E-03	2.55E-06	1.08E-06
4093	492863.09, 3854877.25	4.38E-03	1.38E-06	5.87E-07	4.73E-03	1.49E-06	6.34E-07	7.55E-03	2.38E-06	1.01E-06
4094	493363.09, 3854877.25	4.01E-03	1.26E-06	5.37E-07	4.33E-03	1.37E-06	5.80E-07	6.91E-03	2.18E-06	9.25E-07
4095	493863.09, 3854877.25	3.70E-03	1.17E-06	4.96E-07	4.00E-03	1.26E-06	5.35E-07	6.38E-03	2.01E-06	8.54E-07
4096	494363.09, 3854877.25	2.86E-03	9.03E-07	3.83E-07	3.09E-03	9.75E-07	4.14E-07	4.92E-03	1.55E-06	6.59E-07
4097	494863.09, 3854877.25	2.13E-03	6.72E-07	2.85E-07	2.30E-03	7.26E-07	3.08E-07	3.66E-03	1.16E-06	4.91E-07
4098	495363.09, 3854877.25	1.72E-03	5.44E-07	2.31E-07	1.86E-03	5.87E-07	2.49E-07	2.96E-03	9.35E-07	3.97E-07
4099	495863.09, 3854877.25	1.50E-03	4.73E-07	2.01E-07	1.62E-03	5.10E-07	2.17E-07	2.58E-03	8.13E-07	3.45E-07
4100	496363.09, 3854877.25	1.22E-03	3.87E-07	1.64E-07	1.32E-03	4.17E-07	1.77E-07	2.11E-03	6.65E-07	2.82E-07
4101	496863.09, 3854877.25	1.06E-03	3.34E-07	1.42E-07	1.14E-03	3.61E-07	1.53E-07	1.82E-03	5.76E-07	2.44E-07
4102	497363.09, 3854877.25	1.00E-03	3.16E-07	1.34E-07	1.08E-03	3.41E-07	1.45E-07	1.72E-03	5.43E-07	2.30E-07
4103	497863.09, 3854877.25	1.07E-03	3.38E-07	1.43E-07	1.15E-03	3.65E-07	1.55E-07	1.84E-03	5.81E-07	2.47E-07
4104	498363.09, 3854877.25	1.03E-03	3.24E-07	1.37E-07	1.11E-03	3.50E-07	1.48E-07	1.77E-03	5.58E-07	2.37E-07
4105	471363.09, 3855377.25	3.21E-04	1.01E-07	4.30E-08	3.46E-04	1.09E-07	4.64E-08	5.50E-04	1.74E-07	7.37E-08
4106	471863.09, 3855377.25	3.37E-04	1.06E-07	4.51E-08	3.64E-04	1.15E-07	4.87E-08	5.78E-04	1.82E-07	7.73E-08
4107	472363.09, 3855377.25	3.67E-04	1.16E-07	4.91E-08	3.96E-04	1.25E-07	5.30E-08	6.29E-04	1.98E-07	8.42E-08
4108	472863.09, 3855377.25	3.84E-04	1.21E-07	5.15E-08	4.15E-04	1.31E-07	5.56E-08	6.59E-04	2.08E-07	8.83E-08
4109	473363.09, 3855377.25	4.28E-04	1.35E-07	5.74E-08	4.62E-04	1.46E-07	6.19E-08	7.35E-04	2.32E-07	9.84E-08
4110	473863.09, 3855377.25	4.67E-04	1.48E-07	6.26E-08	5.05E-04	1.59E-07	6.76E-08	8.02E-04	2.53E-07	1.07E-07
4111	474363.09, 3855377.25	5.03E-04	1.59E-07	6.74E-08	5.43E-04	1.72E-07	7.28E-08	8.64E-04	2.73E-07	1.16E-07
4112	474863.09, 3855377.25	4.33E-04	1.37E-07	5.80E-08	4.67E-04	1.48E-07	6.26E-08	7.43E-04	2.34E-07	9.95E-08
4113	475363.09, 3855377.25	2.31E-04	7.29E-08	3.09E-08	2.49E-04	7.87E-08	3.34E-08	3.96E-04	1.25E-07	5.31E-08
4114	475863.09, 3855377.25	1.87E-04	5.90E-08	2.51E-08	2.02E-04	6.38E-08	2.71E-08	3.22E-04	1.02E-07	4.31E-08
4115	476363.09, 3855377.25	2.19E-04	6.90E-08	2.93E-08	2.36E-04	7.46E-08	3.16E-08	3.76E-04	1.19E-07	5.03E-08
4116	476863.09, 3855377.25	2.19E-04	6.91E-08	2.93E-08	2.37E-04	7.46E-08	3.17E-08	3.76E-04	1.19E-07	5.04E-08
4117	477363.09, 3855377.25	2.45E-04	7.73E-08	3.28E-08	2.65E-04	8.35E-08	3.54E-08	4.21E-04	1.33E-07	5.64E-08
4118	477863.09, 3855377.25	3.15E-04	9.95E-08	4.22E-08	3.40E-04	1.07E-07	4.56E-08	5.41E-04	1.71E-07	7.24E-08
4119	478363.09, 3855377.25	4.06E-04	1.28E-07	5.44E-08	4.38E-04	1.38E-07	5.87E-08	6.96E-04	2.20E-07	9.32E-08
4120	478863.09, 3855377.25	5.15E-04	1.62E-07	6.89E-08	5.56E-04	1.75E-07	7.44E-08	8.82E-04	2.78E-07	1.18E-07
4121	479363.09, 3855377.25	6.98E-04	2.20E-07	9.35E-08	7.54E-04	2.38E-07	1.01E-07	1.19E-03	3.77E-07	1.60E-07
4122	479863.09, 3855377.25	9.27E-04	2.93E-07	1.24E-07	1.00E-03	3.16E-07	1.34E-07	1.58E-03	5.00E-07	2.12E-07
4123	480363.09, 3855377.25	1.43E-03	4.52E-07	1.92E-07	1.55E-03	4.88E-07	2.07E-07	2.44E-03	7.71E-07	3.27E-07
4124	480863.09, 3855377.25	2.47E-03	7.80E-07	3.31E-07	2.67E-03	8.41E-07	3.57E-07	4.22E-03	1.33E-06	5.65E-07
4125	481363.09, 3855377.25	4.05E-03	1.28E-06	5.43E-07	4.38E-03	1.38E-06	5.86E-07	6.95E-03	2.19E-06	9.31E-07
4126	481863.09, 3855377.25	5.87E-03	1.85E-06	7.86E-07	6.34E-03	2.00E-06	8.49E-07	1.01E-02	3.18E-06	1.35E-06
4127	482363.09, 3855377.25	7.99E-03	2.52E-06	1.07E-06	8.63E-03	2.72E-06	1.16E-06	1.37E-02	4.33E-06	1.84E-06
4128	482863.09, 3855377.25	1.21E-02	3.81E-06	1.62E-06	1.30E-02	4.11E-06	1.74E-06	2.06E-02	6.52E-06	2.76E-06
4129	483363.09, 3855377.25	2.02E-02	6.38E-06	2.71E-06	2.18E-02	6.88E-06	2.92E-06	3.42E-02	1.08E-05	4.59E-06
4130	483863.09, 3855377.25	8.45E-02	2.67E-05	1.13E-05	9.11E-02	2.88E-05	1.22E-05	1.43E-01	4.52E-05	1.92E-05
4131	484363.09, 3855377.25	1.19E-01	3.75E-05	1.59E-05	1.27E-01	4.02E-05	1.71E-05	1.95E-01	6.15E-05	2.61E-05
4132	484863.09, 3855377.25	5.39E-02	1.70E-05	7.21E-06	5.80E-02	1.83E-05	7.76E-06	9.01E-02	2.84E-05	1.21E-05
4133	485363.09, 3855377.25	3.11E-02	9.82E-06	4.17E-06	3.35E-02	1.06E-05	4.49E-06	5.24E-02	1.65E-05	7.02E-06
4134	485863.09, 3855377.25	2.21E-02	6.98E-06	2.96E-06	2.39E-02	7.53E-06	3.19E-06	3.75E-02	1.18E-05	5.02E-06
4135	486363.09, 3855377.25	1.61E-02	5.09E-06	2.16E-06	1.74E-02	5.49E-06	2.33E-06	2.74E-02	8.64E-06	3.67E-06
4136	486863.09, 3855377.25	1.27E-02	4.00E-06	1.70E-06	1.37E-02	4.31E-06	1.83E-06	2.16E-02	6.80E-06	2.89E-06
4137	487363.09, 3855377.25	1.18E-02	3.72E-06	1.58E-06	1.27E-02	4.02E-06	1.70E-06	2.01E-02	6.36E-06	2.70E-06
4138	487863.09, 3855377.25	1.10E-02	3.48E-06	1.47E-06	1.19E-02	3.75E-06	1.59E-06	1.89E-02	5.95E-06	2.52E-06
4139	488363.09, 3855377.25	1.03E-02	3.27E-06	1.39E-06	1.12E-02	3.53E-06	1.50E-06	1.78E-02	5.60E-06	2.38E-06
4140	488863.09, 3855377.25	9.71E-03	3.06E-06	1.30E-06	1.05E-02	3.31E-06	1.40E-06	1.67E-02	5.26E-06	2.23E-06
4141	489363.09, 3855377.25	8.97E-03	2.83E-06	1.20E-06	9.69E-03	3.06E-06	1.30E-06	1.54E-02	4.87E-06	2.07E-06
4142	489863.09, 3855377.25	8.10E-03	2.56E-06	1.09E-06	8.75E-03	2.76E-06	1.17E-06	1.39E-02	4.40E-06	1.87E-06
4143	490363.09, 3855377.25	7.69E-03	2.43E-06	1.03E-06	8.31E-03	2.62E-06	1.11E-06	1.32E-02	4.18E-06	1.77E-06
4144	490863.09, 3855377.25	4.98E-03	1.57E-06	6.66E-07	5.37E-03	1.70E-06	7.19E-07	8.54E-03	2.70E-06	1.14E-06

4145	491363.09, 3855377.25	4.24E-03	1.34E-06	5.67E-07	4.57E-03	1.44E-06	6.12E-07	7.27E-03	2.30E-06	9.74E-07
4146	491863.09, 3855377.25	5.90E-03	1.86E-06	7.91E-07	6.38E-03	2.01E-06	8.54E-07	1.02E-02	3.21E-06	1.36E-06
4147	492363.09, 3855377.25	5.64E-03	1.78E-06	7.55E-07	6.09E-03	1.92E-06	8.16E-07	9.72E-03	3.07E-06	1.30E-06
4148	492863.09, 3855377.25	5.16E-03	1.63E-06	6.91E-07	5.58E-03	1.76E-06	7.47E-07	8.90E-03	2.81E-06	1.19E-06
4149	493363.09, 3855377.25	4.46E-03	1.41E-06	5.98E-07	4.82E-03	1.52E-06	6.46E-07	7.69E-03	2.43E-06	1.03E-06
4150	493863.09, 3855377.25	3.45E-03	1.09E-06	4.62E-07	3.72E-03	1.18E-06	4.99E-07	5.93E-03	1.87E-06	7.95E-07
4151	494363.09, 3855377.25	2.57E-03	8.12E-07	3.44E-07	2.78E-03	8.77E-07	3.72E-07	4.43E-03	1.40E-06	5.93E-07
4152	494863.09, 3855377.25	1.91E-03	6.04E-07	2.56E-07	2.07E-03	6.52E-07	2.77E-07	3.29E-03	1.04E-06	4.41E-07
4153	495363.09, 3855377.25	1.51E-03	4.75E-07	2.02E-07	1.63E-03	5.13E-07	2.18E-07	2.59E-03	8.18E-07	3.47E-07
4154	495863.09, 3855377.25	1.25E-03	3.93E-07	1.67E-07	1.35E-03	4.25E-07	1.80E-07	2.14E-03	6.76E-07	2.87E-07
4155	496363.09, 3855377.25	1.17E-03	3.69E-07	1.56E-07	1.26E-03	3.98E-07	1.69E-07	2.01E-03	6.34E-07	2.69E-07
4156	496863.09, 3855377.25	1.11E-03	3.50E-07	1.49E-07	1.20E-03	3.78E-07	1.60E-07	1.91E-03	6.03E-07	2.56E-07
4157	497363.09, 3855377.25	1.09E-03	3.45E-07	1.46E-07	1.18E-03	3.73E-07	1.58E-07	1.88E-03	5.94E-07	2.52E-07
4158	497863.09, 3855377.25	1.12E-03	3.53E-07	1.50E-07	1.21E-03	3.81E-07	1.62E-07	1.92E-03	6.08E-07	2.58E-07
4159	498363.09, 3855377.25	1.16E-03	3.65E-07	1.55E-07	1.25E-03	3.94E-07	1.67E-07	1.99E-03	6.28E-07	2.66E-07
4160	471363.09, 3855877.25	3.30E-04	1.04E-07	4.42E-08	3.56E-04	1.12E-07	4.77E-08	5.66E-04	1.79E-07	7.58E-08
4161	471863.09, 3855877.25	3.46E-04	1.09E-07	4.64E-08	3.74E-04	1.18E-07	5.00E-08	5.93E-04	1.87E-07	7.95E-08
4162	472363.09, 3855877.25	3.84E-04	1.21E-07	5.14E-08	4.14E-04	1.31E-07	5.54E-08	6.58E-04	2.08E-07	8.80E-08
4163	472863.09, 3855877.25	3.94E-04	1.24E-07	5.27E-08	4.25E-04	1.34E-07	5.69E-08	6.74E-04	2.13E-07	9.03E-08
4164	473363.09, 3855877.25	4.45E-04	1.40E-07	5.96E-08	4.80E-04	1.52E-07	6.43E-08	7.63E-04	2.41E-07	1.02E-07
4165	473863.09, 3855877.25	4.87E-04	1.54E-07	6.52E-08	5.25E-04	1.66E-07	7.03E-08	8.33E-04	2.63E-07	1.12E-07
4166	474363.09, 3855877.25	5.16E-04	1.63E-07	6.90E-08	5.56E-04	1.76E-07	7.45E-08	8.83E-04	2.79E-07	1.18E-07
4167	474863.09, 3855877.25	4.10E-04	1.29E-07	5.49E-08	4.43E-04	1.40E-07	5.93E-08	7.02E-04	2.22E-07	9.40E-08
4168	475363.09, 3855877.25	2.74E-04	8.64E-08	3.66E-08	2.95E-04	9.32E-08	3.96E-08	4.69E-04	1.48E-07	6.28E-08
4169	475863.09, 3855877.25	1.43E-04	4.51E-08	1.91E-08	1.54E-04	4.87E-08	2.07E-08	2.46E-04	7.75E-08	3.29E-08
4170	476363.09, 3855877.25	1.54E-04	4.87E-08	2.07E-08	1.67E-04	5.26E-08	2.23E-08	2.66E-04	8.38E-08	3.56E-08
4171	476863.09, 3855877.25	2.22E-04	6.99E-08	2.97E-08	2.39E-04	7.55E-08	3.20E-08	3.80E-04	1.20E-07	5.09E-08
4172	477363.09, 3855877.25	2.66E-04	8.41E-08	3.57E-08	2.88E-04	9.08E-08	3.85E-08	4.57E-04	1.44E-07	6.11E-08
4173	477863.09, 3855877.25	3.29E-04	1.04E-07	4.40E-08	3.55E-04	1.12E-07	4.75E-08	5.64E-04	1.78E-07	7.55E-08
4174	478363.09, 3855877.25	4.14E-04	1.31E-07	5.54E-08	4.47E-04	1.41E-07	5.98E-08	7.08E-04	2.23E-07	9.48E-08
4175	478863.09, 3855877.25	5.51E-04	1.74E-07	7.38E-08	5.94E-04	1.88E-07	7.96E-08	9.41E-04	2.97E-07	1.26E-07
4176	479363.09, 3855877.25	7.59E-04	2.39E-07	1.02E-07	8.18E-04	2.58E-07	1.10E-07	1.30E-03	4.09E-07	1.73E-07
4177	479863.09, 3855877.25	1.03E-03	3.26E-07	1.38E-07	1.11E-03	3.51E-07	1.49E-07	1.76E-03	5.55E-07	2.36E-07
4178	480363.09, 3855877.25	1.52E-03	4.80E-07	2.04E-07	1.64E-03	5.17E-07	2.20E-07	2.59E-03	8.18E-07	3.47E-07
4179	480863.09, 3855877.25	2.39E-03	7.55E-07	3.20E-07	2.58E-03	8.14E-07	3.45E-07	4.08E-03	1.29E-06	5.46E-07
4180	481363.09, 3855877.25	2.76E-03	8.70E-07	3.69E-07	2.97E-03	9.39E-07	3.98E-07	4.69E-03	1.48E-06	6.28E-07
4181	481863.09, 3855877.25	5.33E-03	1.68E-06	7.14E-07	5.76E-03	1.82E-06	7.71E-07	9.13E-03	2.88E-06	1.22E-06
4182	482363.09, 3855877.25	6.83E-03	2.16E-06	9.14E-07	7.37E-03	2.33E-06	9.87E-07	1.17E-02	3.68E-06	1.56E-06
4183	482863.09, 3855877.25	9.19E-03	2.90E-06	1.23E-06	9.91E-03	3.13E-06	1.33E-06	1.57E-02	4.94E-06	2.10E-06
4184	483363.09, 3855877.25	1.28E-02	4.04E-06	1.72E-06	1.38E-02	4.36E-06	1.85E-06	2.17E-02	6.85E-06	2.91E-06
4185	483863.09, 3855877.25	1.96E-02	6.20E-06	2.63E-06	2.12E-02	6.68E-06	2.83E-06	3.30E-02	1.04E-05	4.42E-06
4186	484363.09, 3855877.25	5.38E-02	1.70E-05	7.20E-06	5.78E-02	1.82E-05	7.74E-06	8.85E-02	2.79E-05	1.18E-05
4187	484863.09, 3855877.25	1.57E-01	4.94E-05	2.10E-05	1.69E-01	5.34E-05	2.26E-05	2.69E-01	8.48E-05	3.60E-05
4188	485363.09, 3855877.25	7.01E-02	2.21E-05	9.39E-06	7.57E-02	2.39E-05	1.01E-05	1.20E-01	3.80E-05	1.61E-05
4189	485863.09, 3855877.25	3.84E-02	1.21E-05	5.14E-06	4.14E-02	1.31E-05	5.55E-06	6.58E-02	2.08E-05	8.81E-06
4190	486363.09, 3855877.25	2.51E-02	7.93E-06	3.36E-06	2.71E-02	8.55E-06	3.63E-06	4.30E-02	1.36E-05	5.76E-06
4191	486863.09, 3855877.25	1.94E-02	6.12E-06	2.60E-06	2.09E-02	6.61E-06	2.80E-06	3.32E-02	1.05E-05	4.45E-06
4192	487363.09, 3855877.25	1.74E-02	5.49E-06	2.33E-06	1.88E-02	5.92E-06	2.51E-06	2.98E-02	9.42E-06	4.00E-06
4193	487863.09, 3855877.25	1.58E-02	4.98E-06	2.11E-06	1.70E-02	5.38E-06	2.28E-06	2.71E-02	8.56E-06	3.63E-06
4194	488363.09, 3855877.25	1.42E-02	4.48E-06	1.90E-06	1.53E-02	4.84E-06	2.05E-06	2.44E-02	7.71E-06	3.27E-06
4195	488863.09, 3855877.25	1.29E-02	4.07E-06	1.72E-06	1.39E-02	4.39E-06	1.86E-06	2.22E-02	7.00E-06	2.97E-06
4196	489363.09, 3855877.25	1.17E-02	3.68E-06	1.56E-06	1.26E-02	3.98E-06	1.69E-06	2.01E-02	6.34E-06	2.69E-06
4197	489863.09, 3855877.25	1.06E-02	3.34E-06	1.42E-06	1.14E-02	3.61E-06	1.53E-06	1.82E-02	5.75E-06	2.44E-06
4198	490363.09, 3855877.25	9.67E-03	3.05E-06	1.29E-06	1.04E-02	3.30E-06	1.40E-06	1.67E-02	5.26E-06	2.23E-06
4199	490863.09, 3855877.25	8.61E-03	2.72E-06	1.15E-06	9.31E-03	2.94E-06	1.25E-06	1.49E-02	4.69E-06	1.99E-06
4200	491363.09, 3855877.25	7.16E-03	2.26E-06	9.58E-07	7.73E-03	2.44E-06	1.04E-06	1.23E-02	3.89E-06	1.65E-06
4201	491863.09, 3855877.25	7.22E-03	2.28E-06	9.67E-07	7.80E-03	2.46E-06	1.04E-06	1.25E-02	3.93E-06	1.67E-06
4202	492363.09, 3855877.25	6.44E-03	2.03E-06	8.63E-07	6.96E-03	2.20E-06	9.32E-07	1.11E-02	3.51E-06	1.49E-06
4203	492863.09, 3855877.25	5.80E-03	1.83E-06	7.76E-07	6.26E-03	1.98E-06	8.38E-07	1.00E-02	3.16E-06	1.34E-06
4204	493363.09, 3855877.25	4.42E-03	1.39E-06	5.92E-07	4.77E-03	1.51E-06	6.39E-07	7.62E-03	2.40E-06	1.02E-06
4205	493863.09, 3855877.25	3.15E-03	9.94E-07	4.22E-07	3.40E-03	1.07E-06	4.55E-07	5.42E-03	1.71E-06	7.26E-07

4206	494363.09, 3855877.25	2.25E-03	7.11E-07	3.02E-07	2.43E-03	7.68E-07	3.26E-07	3.87E-03	1.22E-06	5.19E-07
4207	494863.09, 3855877.25	1.72E-03	5.43E-07	2.31E-07	1.86E-03	5.87E-07	2.49E-07	2.96E-03	9.34E-07	3.96E-07
4208	495363.09, 3855877.25	1.26E-03	3.97E-07	1.68E-07	1.36E-03	4.28E-07	1.82E-07	2.16E-03	6.82E-07	2.89E-07
4209	495863.09, 3855877.25	1.19E-03	3.75E-07	1.59E-07	1.28E-03	4.05E-07	1.72E-07	2.04E-03	6.45E-07	2.74E-07
4210	496363.09, 3855877.25	1.14E-03	3.61E-07	1.53E-07	1.24E-03	3.90E-07	1.66E-07	1.97E-03	6.21E-07	2.64E-07
4211	496863.09, 3855877.25	1.15E-03	3.63E-07	1.54E-07	1.24E-03	3.92E-07	1.66E-07	1.98E-03	6.24E-07	2.65E-07
4212	497363.09, 3855877.25	1.16E-03	3.67E-07	1.56E-07	1.26E-03	3.97E-07	1.68E-07	2.00E-03	6.32E-07	2.68E-07
4213	497863.09, 3855877.25	1.20E-03	3.79E-07	1.61E-07	1.30E-03	4.09E-07	1.74E-07	2.06E-03	6.52E-07	2.76E-07
4214	498363.09, 3855877.25	1.32E-03	4.17E-07	1.77E-07	1.43E-03	4.50E-07	1.91E-07	2.27E-03	7.17E-07	3.04E-07
4215	471363.09, 3856377.25	3.39E-04	1.07E-07	4.54E-08	3.66E-04	1.16E-07	4.90E-08	5.81E-04	1.83E-07	7.78E-08
4216	471863.09, 3856377.25	3.53E-04	1.12E-07	4.73E-08	3.81E-04	1.20E-07	5.11E-08	6.05E-04	1.91E-07	8.10E-08
4217	472363.09, 3856377.25	3.81E-04	1.20E-07	5.11E-08	4.12E-04	1.30E-07	5.51E-08	6.53E-04	2.06E-07	8.74E-08
4218	472863.09, 3856377.25	4.18E-04	1.32E-07	5.59E-08	4.51E-04	1.42E-07	6.04E-08	7.15E-04	2.26E-07	9.57E-08
4219	473363.09, 3856377.25	4.50E-04	1.42E-07	6.03E-08	4.86E-04	1.53E-07	6.51E-08	7.70E-04	2.43E-07	1.03E-07
4220	473863.09, 3856377.25	5.09E-04	1.61E-07	6.82E-08	5.50E-04	1.73E-07	7.36E-08	8.72E-04	2.75E-07	1.17E-07
4221	474363.09, 3856377.25	5.03E-04	1.59E-07	6.73E-08	5.42E-04	1.71E-07	7.26E-08	8.60E-04	2.71E-07	1.15E-07
4222	474863.09, 3856377.25	4.71E-04	1.49E-07	6.31E-08	5.08E-04	1.60E-07	6.81E-08	8.05E-04	2.54E-07	1.08E-07
4223	475363.09, 3856377.25	3.77E-04	1.19E-07	5.05E-08	4.07E-04	1.28E-07	5.45E-08	6.45E-04	2.03E-07	8.63E-08
4224	475863.09, 3856377.25	2.70E-04	8.54E-08	3.62E-08	2.92E-04	9.21E-08	3.91E-08	4.62E-04	1.46E-07	6.19E-08
4225	476363.09, 3856377.25	2.61E-04	8.24E-08	3.50E-08	2.82E-04	8.90E-08	3.77E-08	4.47E-04	1.41E-07	5.98E-08
4226	476863.09, 3856377.25	2.72E-04	8.59E-08	3.65E-08	2.94E-04	9.27E-08	3.93E-08	4.66E-04	1.47E-07	6.24E-08
4227	477363.09, 3856377.25	2.96E-04	9.35E-08	3.97E-08	3.20E-04	1.01E-07	4.28E-08	5.06E-04	1.60E-07	6.78E-08
4228	477863.09, 3856377.25	2.54E-04	8.01E-08	3.40E-08	2.74E-04	8.64E-08	3.67E-08	4.34E-04	1.37E-07	5.81E-08
4229	478363.09, 3856377.25	2.38E-04	7.50E-08	3.18E-08	2.56E-04	8.09E-08	3.43E-08	4.06E-04	1.28E-07	5.44E-08
4230	478863.09, 3856377.25	4.38E-04	1.38E-07	5.86E-08	4.72E-04	1.49E-07	6.32E-08	7.48E-04	2.36E-07	1.00E-07
4231	479363.09, 3856377.25	5.77E-04	1.82E-07	7.72E-08	6.22E-04	1.96E-07	8.33E-08	9.84E-04	3.11E-07	1.32E-07
4232	479863.09, 3856377.25	9.87E-04	3.11E-07	1.32E-07	1.06E-03	3.36E-07	1.43E-07	1.68E-03	5.31E-07	2.25E-07
4233	480363.09, 3856377.25	1.64E-03	5.18E-07	2.20E-07	1.77E-03	5.59E-07	2.37E-07	2.80E-03	8.83E-07	3.75E-07
4234	480863.09, 3856377.25	2.41E-03	7.60E-07	3.23E-07	2.60E-03	8.20E-07	3.48E-07	4.11E-03	1.30E-06	5.50E-07
4235	481363.09, 3856377.25	3.46E-03	1.09E-06	4.64E-07	3.73E-03	1.18E-06	5.00E-07	5.92E-03	1.87E-06	7.92E-07
4236	481863.09, 3856377.25	4.83E-03	1.52E-06	6.47E-07	5.21E-03	1.65E-06	6.98E-07	8.27E-03	2.61E-06	1.11E-06
4237	482363.09, 3856377.25	5.89E-03	1.86E-06	7.89E-07	6.35E-03	2.01E-06	8.51E-07	1.00E-02	3.17E-06	1.34E-06
4238	482863.09, 3856377.25	7.43E-03	2.35E-06	9.96E-07	8.02E-03	2.53E-06	1.07E-06	1.26E-02	3.99E-06	1.69E-06
4239	483363.09, 3856377.25	9.53E-03	3.01E-06	1.28E-06	1.03E-02	3.24E-06	1.38E-06	1.61E-02	5.09E-06	2.16E-06
4240	483863.09, 3856377.25	1.29E-02	4.06E-06	1.72E-06	1.39E-02	4.37E-06	1.86E-06	2.17E-02	6.84E-06	2.90E-06
4241	484363.09, 3856377.25	1.87E-02	5.91E-06	2.51E-06	2.02E-02	6.36E-06	2.70E-06	3.14E-02	9.90E-06	4.20E-06
4242	484863.09, 3856377.25	3.87E-02	1.22E-05	5.18E-06	4.15E-02	1.31E-05	5.56E-06	6.33E-02	2.00E-05	8.47E-06
4243	485363.09, 3856377.25	1.45E-01	4.57E-05	1.94E-05	1.56E-01	4.93E-05	2.09E-05	2.45E-01	7.75E-05	3.29E-05
4244	485863.09, 3856377.25	8.84E-02	2.79E-05	1.18E-05	9.56E-02	3.02E-05	1.28E-05	1.54E-01	4.86E-05	2.06E-05
4245	486363.09, 3856377.25	3.90E-02	1.23E-05	5.22E-06	4.21E-02	1.33E-05	5.64E-06	6.74E-02	2.13E-05	9.03E-06
4246	486863.09, 3856377.25	2.98E-02	9.41E-06	3.99E-06	3.22E-02	1.02E-05	4.31E-06	5.14E-02	1.62E-05	6.89E-06
4247	487363.09, 3856377.25	2.50E-02	7.89E-06	3.35E-06	2.70E-02	8.52E-06	3.62E-06	4.31E-02	1.36E-05	5.77E-06
4248	487863.09, 3856377.25	2.17E-02	6.84E-06	2.90E-06	2.34E-02	7.39E-06	3.14E-06	3.74E-02	1.18E-05	5.00E-06
4249	488363.09, 3856377.25	1.88E-02	5.93E-06	2.52E-06	2.03E-02	6.41E-06	2.72E-06	3.24E-02	1.02E-05	4.34E-06
4250	488863.09, 3856377.25	1.65E-02	5.20E-06	2.21E-06	1.78E-02	5.62E-06	2.38E-06	2.84E-02	8.97E-06	3.80E-06
4251	489363.09, 3856377.25	1.45E-02	4.59E-06	1.95E-06	1.57E-02	4.96E-06	2.10E-06	2.51E-02	7.92E-06	3.36E-06
4252	489863.09, 3856377.25	1.29E-02	4.08E-06	1.73E-06	1.40E-02	4.41E-06	1.87E-06	2.23E-02	7.04E-06	2.99E-06
4253	490363.09, 3856377.25	1.15E-02	3.62E-06	1.54E-06	1.24E-02	3.91E-06	1.66E-06	1.98E-02	6.25E-06	2.65E-06
4254	490863.09, 3856377.25	1.02E-02	3.22E-06	1.37E-06	1.10E-02	3.48E-06	1.48E-06	1.76E-02	5.56E-06	2.36E-06
4255	491363.09, 3856377.25	9.14E-03	2.88E-06	1.22E-06	9.88E-03	3.12E-06	1.32E-06	1.58E-02	4.99E-06	2.12E-06
4256	491863.09, 3856377.25	8.14E-03	2.57E-06	1.09E-06	8.79E-03	2.78E-06	1.18E-06	1.41E-02	4.44E-06	1.88E-06
4257	492363.09, 3856377.25	7.09E-03	2.24E-06	9.49E-07	7.66E-03	2.42E-06	1.03E-06	1.23E-02	3.87E-06	1.64E-06
4258	492863.09, 3856377.25	5.66E-03	1.79E-06	7.58E-07	6.12E-03	1.93E-06	8.19E-07	9.77E-03	3.08E-06	1.31E-06
4259	493363.09, 3856377.25	3.63E-03	1.15E-06	4.86E-07	3.92E-03	1.24E-06	5.25E-07	6.26E-03	1.97E-06	8.38E-07
4260	493863.09, 3856377.25	2.81E-03	8.88E-07	3.77E-07	3.04E-03	9.59E-07	4.07E-07	4.84E-03	1.53E-06	6.48E-07
4261	494363.09, 3856377.25	2.06E-03	6.51E-07	2.76E-07	2.23E-03	7.03E-07	2.98E-07	3.55E-03	1.12E-06	4.75E-07
4262	494863.09, 3856377.25	1.56E-03	4.91E-07	2.08E-07	1.68E-03	5.31E-07	2.25E-07	2.68E-03	8.45E-07	3.58E-07
4263	495363.09, 3856377.25	1.26E-03	3.97E-07	1.69E-07	1.36E-03	4.29E-07	1.82E-07	2.16E-03	6.83E-07	2.90E-07
4264	495863.09, 3856377.25	1.18E-03	3.73E-07	1.58E-07	1.28E-03	4.03E-07	1.71E-07	2.03E-03	6.41E-07	2.72E-07
4265	496363.09, 3856377.25	1.16E-03	3.65E-07	1.55E-07	1.25E-03	3.94E-07	1.67E-07	1.99E-03	6.28E-07	2.66E-07
4266	496863.09, 3856377.25	1.21E-03	3.82E-07	1.62E-07	1.31E-03	4.12E-07	1.75E-07	2.08E-03	6.57E-07	2.79E-07

4267	497363.09, 3856377.25	1.25E-03	3.94E-07	1.67E-07	1.35E-03	4.26E-07	1.81E-07	2.15E-03	6.78E-07	2.88E-07
4268	497863.09, 3856377.25	1.33E-03	4.21E-07	1.78E-07	1.44E-03	4.54E-07	1.93E-07	2.29E-03	7.23E-07	3.07E-07
4269	498363.09, 3856377.25	1.45E-03	4.57E-07	1.94E-07	1.56E-03	4.94E-07	2.10E-07	2.49E-03	7.87E-07	3.34E-07
4270	471363.09, 3856877.25	3.53E-04	1.12E-07	4.73E-08	3.81E-04	1.20E-07	5.11E-08	6.04E-04	1.91E-07	8.09E-08
4271	471863.09, 3856877.25	3.63E-04	1.15E-07	4.87E-08	3.92E-04	1.24E-07	5.25E-08	6.21E-04	1.96E-07	8.32E-08
4272	472363.09, 3856877.25	3.90E-04	1.23E-07	5.23E-08	4.21E-04	1.33E-07	5.64E-08	6.67E-04	2.11E-07	8.94E-08
4273	472863.09, 3856877.25	4.19E-04	1.32E-07	5.61E-08	4.52E-04	1.43E-07	6.06E-08	7.16E-04	2.26E-07	9.59E-08
4274	473363.09, 3856877.25	4.75E-04	1.50E-07	6.36E-08	5.13E-04	1.62E-07	6.87E-08	8.12E-04	2.56E-07	1.09E-07
4275	473863.09, 3856877.25	5.11E-04	1.61E-07	6.84E-08	5.52E-04	1.74E-07	7.39E-08	8.74E-04	2.76E-07	1.17E-07
4276	474363.09, 3856877.25	4.99E-04	1.58E-07	6.68E-08	5.39E-04	1.70E-07	7.21E-08	8.53E-04	2.69E-07	1.14E-07
4277	474863.09, 3856877.25	4.63E-04	1.46E-07	6.21E-08	5.00E-04	1.58E-07	6.70E-08	7.92E-04	2.50E-07	1.06E-07
4278	475363.09, 3856877.25	3.92E-04	1.24E-07	5.24E-08	4.22E-04	1.33E-07	5.66E-08	6.69E-04	2.11E-07	8.95E-08
4279	475863.09, 3856877.25	3.95E-04	1.25E-07	5.29E-08	4.26E-04	1.34E-07	5.71E-08	6.74E-04	2.13E-07	9.03E-08
4280	476363.09, 3856877.25	3.47E-04	1.09E-07	4.64E-08	3.74E-04	1.18E-07	5.01E-08	5.91E-04	1.87E-07	7.92E-08
4281	476863.09, 3856877.25	3.39E-04	1.07E-07	4.54E-08	3.66E-04	1.15E-07	4.90E-08	5.78E-04	1.83E-07	7.75E-08
4282	477363.09, 3856877.25	3.09E-04	9.76E-08	4.14E-08	3.34E-04	1.05E-07	4.47E-08	5.28E-04	1.66E-07	7.06E-08
4283	477863.09, 3856877.25	2.28E-04	7.19E-08	3.05E-08	2.46E-04	7.76E-08	3.29E-08	3.89E-04	1.23E-07	5.21E-08
4284	478363.09, 3856877.25	2.11E-04	6.66E-08	2.83E-08	2.28E-04	7.18E-08	3.05E-08	3.60E-04	1.14E-07	4.82E-08
4285	478863.09, 3856877.25	2.66E-04	8.40E-08	3.56E-08	2.87E-04	9.06E-08	3.84E-08	4.54E-04	1.43E-07	6.08E-08
4286	479363.09, 3856877.25	3.57E-04	1.13E-07	4.78E-08	3.85E-04	1.22E-07	5.16E-08	6.09E-04	1.92E-07	8.16E-08
4287	479863.09, 3856877.25	8.79E-04	2.77E-07	1.18E-07	9.48E-04	2.99E-07	1.27E-07	1.50E-03	4.72E-07	2.00E-07
4288	480363.09, 3856877.25	1.57E-03	4.94E-07	2.10E-07	1.69E-03	5.33E-07	2.26E-07	2.67E-03	8.42E-07	3.57E-07
4289	480863.09, 3856877.25	2.46E-03	7.75E-07	3.29E-07	2.65E-03	8.37E-07	3.55E-07	4.20E-03	1.32E-06	5.62E-07
4290	481363.09, 3856877.25	3.32E-03	1.05E-06	4.45E-07	3.58E-03	1.13E-06	4.80E-07	5.68E-03	1.79E-06	7.61E-07
4291	481863.09, 3856877.25	4.13E-03	1.30E-06	5.53E-07	4.46E-03	1.41E-06	5.97E-07	7.05E-03	2.23E-06	9.45E-07
4292	482363.09, 3856877.25	5.09E-03	1.61E-06	6.82E-07	5.49E-03	1.73E-06	7.35E-07	8.67E-03	2.74E-06	1.16E-06
4293	482863.09, 3856877.25	6.10E-03	1.93E-06	8.17E-07	6.58E-03	2.08E-06	8.81E-07	1.04E-02	3.27E-06	1.39E-06
4294	483363.09, 3856877.25	7.49E-03	2.36E-06	1.00E-06	8.07E-03	2.55E-06	1.08E-06	1.27E-02	4.00E-06	1.70E-06
4295	483863.09, 3856877.25	9.46E-03	2.99E-06	1.27E-06	1.02E-02	3.22E-06	1.37E-06	1.60E-02	5.04E-06	2.14E-06
4296	484363.09, 3856877.25	1.25E-02	3.94E-06	1.67E-06	1.34E-02	4.24E-06	1.80E-06	2.10E-02	6.62E-06	2.81E-06
4297	484863.09, 3856877.25	1.75E-02	5.51E-06	2.34E-06	1.88E-02	5.93E-06	2.52E-06	2.92E-02	9.21E-06	3.91E-06
4298	485363.09, 3856877.25	3.26E-02	1.03E-05	4.36E-06	3.50E-02	1.10E-05	4.69E-06	5.36E-02	1.69E-05	7.18E-06
4299	485863.09, 3856877.25	1.32E-01	4.17E-05	1.77E-05	1.42E-01	4.48E-05	1.90E-05	2.20E-01	6.95E-05	2.95E-05
4300	486363.09, 3856877.25	8.22E-02	2.59E-05	1.10E-05	8.88E-02	2.80E-05	1.19E-05	1.42E-01	4.48E-05	1.90E-05
4301	486863.09, 3856877.25	4.88E-02	1.54E-05	6.53E-06	5.27E-02	1.66E-05	7.06E-06	8.44E-02	2.66E-05	1.13E-05
4302	487363.09, 3856877.25	3.67E-02	1.16E-05	4.92E-06	3.97E-02	1.25E-05	5.31E-06	6.35E-02	2.00E-05	8.51E-06
4303	487863.09, 3856877.25	2.92E-02	9.22E-06	3.91E-06	3.16E-02	9.97E-06	4.23E-06	5.05E-02	1.59E-05	6.77E-06
4304	488363.09, 3856877.25	2.41E-02	7.61E-06	3.23E-06	2.61E-02	8.22E-06	3.49E-06	4.17E-02	1.32E-05	5.58E-06
4305	488863.09, 3856877.25	2.02E-02	6.39E-06	2.71E-06	2.19E-02	6.90E-06	2.93E-06	3.50E-02	1.10E-05	4.69E-06
4306	489363.09, 3856877.25	1.73E-02	5.47E-06	2.32E-06	1.87E-02	5.91E-06	2.51E-06	3.00E-02	9.46E-06	4.01E-06
4307	489863.09, 3856877.25	1.50E-02	4.72E-06	2.00E-06	1.62E-02	5.11E-06	2.17E-06	2.59E-02	8.18E-06	3.47E-06
4308	490363.09, 3856877.25	1.30E-02	4.10E-06	1.74E-06	1.40E-02	4.43E-06	1.88E-06	2.25E-02	7.09E-06	3.01E-06
4309	490863.09, 3856877.25	1.14E-02	3.58E-06	1.52E-06	1.23E-02	3.87E-06	1.64E-06	1.97E-02	6.20E-06	2.63E-06
4310	491363.09, 3856877.25	9.98E-03	3.15E-06	1.34E-06	1.08E-02	3.40E-06	1.44E-06	1.73E-02	5.45E-06	2.31E-06
4311	491863.09, 3856877.25	8.75E-03	2.76E-06	1.17E-06	9.45E-03	2.98E-06	1.27E-06	1.51E-02	4.78E-06	2.03E-06
4312	492363.09, 3856877.25	6.86E-03	2.16E-06	9.18E-07	7.41E-03	2.34E-06	9.92E-07	1.19E-02	3.74E-06	1.59E-06
4313	492863.09, 3856877.25	5.26E-03	1.66E-06	7.04E-07	5.68E-03	1.79E-06	7.61E-07	9.07E-03	2.86E-06	1.22E-06
4314	493363.09, 3856877.25	3.79E-03	1.20E-06	5.07E-07	4.09E-03	1.29E-06	5.48E-07	6.53E-03	2.06E-06	8.74E-07
4315	493863.09, 3856877.25	2.59E-03	8.18E-07	3.47E-07	2.80E-03	8.83E-07	3.75E-07	4.46E-03	1.41E-06	5.97E-07
4316	494363.09, 3856877.25	1.86E-03	5.87E-07	2.49E-07	2.01E-03	6.34E-07	2.69E-07	3.20E-03	1.01E-06	4.28E-07
4317	494863.09, 3856877.25	1.55E-03	4.88E-07	2.07E-07	1.67E-03	5.27E-07	2.24E-07	2.66E-03	8.39E-07	3.56E-07
4318	495363.09, 3856877.25	1.37E-03	4.31E-07	1.83E-07	1.48E-03	4.66E-07	1.98E-07	2.35E-03	7.41E-07	3.14E-07
4319	495863.09, 3856877.25	1.31E-03	4.12E-07	1.75E-07	1.41E-03	4.45E-07	1.89E-07	2.24E-03	7.08E-07	3.00E-07
4320	496363.09, 3856877.25	1.27E-03	3.99E-07	1.69E-07	1.37E-03	4.31E-07	1.83E-07	2.17E-03	6.86E-07	2.91E-07
4321	496863.09, 3856877.25	1.27E-03	4.02E-07	1.70E-07	1.37E-03	4.34E-07	1.84E-07	2.19E-03	6.91E-07	2.93E-07
4322	497363.09, 3856877.25	1.32E-03	4.17E-07	1.77E-07	1.43E-03	4.50E-07	1.91E-07	2.27E-03	7.16E-07	3.04E-07
4323	497863.09, 3856877.25	1.46E-03	4.61E-07	1.96E-07	1.58E-03	4.98E-07	2.11E-07	2.51E-03	7.93E-07	3.37E-07
4324	498363.09, 3856877.25	1.63E-03	5.16E-07	2.19E-07	1.76E-03	5.57E-07	2.36E-07	2.81E-03	8.88E-07	3.77E-07
4325	471363.09, 3857377.25	3.67E-04	1.16E-07	4.91E-08	3.96E-04	1.25E-07	5.30E-08	6.28E-04	1.98E-07	8.40E-08
4326	471863.09, 3857377.25	3.76E-04	1.19E-07	5.04E-08	4.06E-04	1.28E-07	5.43E-08	6.43E-04	2.03E-07	8.62E-08
4327	472363.09, 3857377.25	3.99E-04	1.26E-07	5.34E-08	4.30E-04	1.36E-07	5.76E-08	6.82E-04	2.15E-07	9.14E-08

4328	472863.09, 3857377.25	4.30E-04	1.36E-07	5.76E-08	4.64E-04	1.46E-07	6.21E-08	7.36E-04	2.32E-07	9.86E-08
4329	473363.09, 3857377.25	4.73E-04	1.49E-07	6.34E-08	5.11E-04	1.61E-07	6.84E-08	8.11E-04	2.56E-07	1.09E-07
4330	473863.09, 3857377.25	5.30E-04	1.67E-07	7.10E-08	5.72E-04	1.81E-07	7.66E-08	9.08E-04	2.87E-07	1.22E-07
4331	474363.09, 3857377.25	4.98E-04	1.57E-07	6.67E-08	5.37E-04	1.70E-07	7.20E-08	8.53E-04	2.69E-07	1.14E-07
4332	474863.09, 3857377.25	3.69E-04	1.17E-07	4.94E-08	3.98E-04	1.26E-07	5.33E-08	6.31E-04	1.99E-07	8.45E-08
4333	475363.09, 3857377.25	2.57E-04	8.12E-08	3.45E-08	2.78E-04	8.76E-08	3.72E-08	4.39E-04	1.39E-07	5.88E-08
4334	475863.09, 3857377.25	2.43E-04	7.68E-08	3.26E-08	2.62E-04	8.28E-08	3.51E-08	4.15E-04	1.31E-07	5.56E-08
4335	476363.09, 3857377.25	3.18E-04	1.00E-07	4.25E-08	3.43E-04	1.08E-07	4.59E-08	5.42E-04	1.71E-07	7.26E-08
4336	476863.09, 3857377.25	3.47E-04	1.10E-07	4.65E-08	3.74E-04	1.18E-07	5.01E-08	5.92E-04	1.87E-07	7.93E-08
4337	477363.09, 3857377.25	3.06E-04	9.67E-08	4.10E-08	3.31E-04	1.04E-07	4.43E-08	5.23E-04	1.65E-07	7.00E-08
4338	477863.09, 3857377.25	2.41E-04	7.61E-08	3.23E-08	2.60E-04	8.21E-08	3.48E-08	4.11E-04	1.30E-07	5.50E-08
4339	478363.09, 3857377.25	1.96E-04	6.19E-08	2.63E-08	2.12E-04	6.68E-08	2.83E-08	3.34E-04	1.05E-07	4.48E-08
4340	478863.09, 3857377.25	1.75E-04	5.53E-08	2.35E-08	1.89E-04	5.97E-08	2.53E-08	2.99E-04	9.43E-08	4.00E-08
4341	479363.09, 3857377.25	2.71E-04	8.55E-08	3.63E-08	2.92E-04	9.22E-08	3.91E-08	4.60E-04	1.45E-07	6.17E-08
4342	479863.09, 3857377.25	7.06E-04	2.23E-07	9.45E-08	7.61E-04	2.40E-07	1.02E-07	1.20E-03	3.79E-07	1.61E-07
4343	480363.09, 3857377.25	5.95E-04	1.88E-07	7.96E-08	6.41E-04	2.02E-07	8.58E-08	1.01E-03	3.19E-07	1.35E-07
4344	480863.09, 3857377.25	2.30E-03	7.24E-07	3.07E-07	2.48E-03	7.82E-07	3.32E-07	3.93E-03	1.24E-06	5.26E-07
4345	481363.09, 3857377.25	2.60E-03	8.22E-07	3.49E-07	2.81E-03	8.87E-07	3.76E-07	4.46E-03	1.41E-06	5.97E-07
4346	481863.09, 3857377.25	3.43E-03	1.08E-06	4.59E-07	3.70E-03	1.17E-06	4.95E-07	5.86E-03	1.85E-06	7.84E-07
4347	482363.09, 3857377.25	4.39E-03	1.39E-06	5.88E-07	4.74E-03	1.50E-06	6.35E-07	7.48E-03	2.36E-06	1.00E-06
4348	482863.09, 3857377.25	5.08E-03	1.60E-06	6.81E-07	5.48E-03	1.73E-06	7.34E-07	8.63E-03	2.72E-06	1.16E-06
4349	483363.09, 3857377.25	5.99E-03	1.89E-06	8.02E-07	6.46E-03	2.04E-06	8.65E-07	1.01E-02	3.20E-06	1.36E-06
4350	483863.09, 3857377.25	7.26E-03	2.29E-06	9.72E-07	7.82E-03	2.47E-06	1.05E-06	1.23E-02	3.87E-06	1.64E-06
4351	484363.09, 3857377.25	8.94E-03	2.82E-06	1.20E-06	9.63E-03	3.04E-06	1.29E-06	1.51E-02	4.75E-06	2.02E-06
4352	484863.09, 3857377.25	1.15E-02	3.63E-06	1.54E-06	1.24E-02	3.91E-06	1.66E-06	1.93E-02	6.10E-06	2.59E-06
4353	485363.09, 3857377.25	1.58E-02	4.97E-06	2.11E-06	1.70E-02	5.35E-06	2.27E-06	2.64E-02	8.33E-06	3.53E-06
4354	485863.09, 3857377.25	2.56E-02	8.09E-06	3.43E-06	2.76E-02	8.70E-06	3.69E-06	4.27E-02	1.35E-05	5.72E-06
4355	486363.09, 3857377.25	1.17E-01	3.71E-05	1.57E-05	1.26E-01	3.99E-05	1.69E-05	1.96E-01	6.20E-05	2.63E-05
4356	486863.09, 3857377.25	1.25E-01	3.94E-05	1.67E-05	1.35E-01	4.25E-05	1.80E-05	2.14E-01	6.76E-05	2.87E-05
4357	487363.09, 3857377.25	6.01E-02	1.90E-05	8.04E-06	6.50E-02	2.05E-05	8.70E-06	1.05E-01	3.31E-05	1.40E-05
4358	487863.09, 3857377.25	4.05E-02	1.28E-05	5.42E-06	4.38E-02	1.38E-05	5.86E-06	7.05E-02	2.23E-05	9.45E-06
4359	488363.09, 3857377.25	3.02E-02	9.55E-06	4.05E-06	3.27E-02	1.03E-05	4.38E-06	5.26E-02	1.66E-05	7.04E-06
4360	488863.09, 3857377.25	2.39E-02	7.55E-06	3.20E-06	2.59E-02	8.17E-06	3.46E-06	4.16E-02	1.31E-05	5.57E-06
4361	489363.09, 3857377.25	1.96E-02	6.19E-06	2.63E-06	2.12E-02	6.69E-06	2.84E-06	3.41E-02	1.07E-05	4.56E-06
4362	489863.09, 3857377.25	1.64E-02	5.18E-06	2.20E-06	1.77E-02	5.60E-06	2.37E-06	2.85E-02	8.99E-06	3.81E-06
4363	490363.09, 3857377.25	1.39E-02	4.38E-06	1.86E-06	1.50E-02	4.73E-06	2.01E-06	2.41E-02	7.59E-06	3.22E-06
4364	490863.09, 3857377.25	1.19E-02	3.75E-06	1.59E-06	1.29E-02	4.06E-06	1.72E-06	2.06E-02	6.51E-06	2.76E-06
4365	491363.09, 3857377.25	1.03E-02	3.26E-06	1.38E-06	1.11E-02	3.52E-06	1.49E-06	1.79E-02	5.64E-06	2.39E-06
4366	491863.09, 3857377.25	8.79E-03	2.78E-06	1.18E-06	9.50E-03	3.00E-06	1.27E-06	1.52E-02	4.81E-06	2.04E-06
4367	492363.09, 3857377.25	6.38E-03	2.01E-06	8.55E-07	6.90E-03	2.18E-06	9.24E-07	1.10E-02	3.49E-06	1.48E-06
4368	492863.09, 3857377.25	4.35E-03	1.37E-06	5.83E-07	4.70E-03	1.48E-06	6.29E-07	7.50E-03	2.37E-06	1.00E-06
4369	493363.09, 3857377.25	2.97E-03	9.38E-07	3.98E-07	3.21E-03	1.01E-06	4.30E-07	5.12E-03	1.61E-06	6.85E-07
4370	493863.09, 3857377.25	2.43E-03	7.66E-07	3.25E-07	2.62E-03	8.27E-07	3.51E-07	4.17E-03	1.32E-06	5.59E-07
4371	494363.09, 3857377.25	1.96E-03	6.18E-07	2.62E-07	2.11E-03	6.67E-07	2.83E-07	3.36E-03	1.06E-06	4.50E-07
4372	494863.09, 3857377.25	1.73E-03	5.45E-07	2.31E-07	1.86E-03	5.88E-07	2.49E-07	2.96E-03	9.35E-07	3.97E-07
4373	495363.09, 3857377.25	1.55E-03	4.88E-07	2.07E-07	1.67E-03	5.27E-07	2.24E-07	2.66E-03	8.38E-07	3.56E-07
4374	495863.09, 3857377.25	1.47E-03	4.65E-07	1.97E-07	1.59E-03	5.02E-07	2.13E-07	2.53E-03	7.99E-07	3.39E-07
4375	496363.09, 3857377.25	1.43E-03	4.51E-07	1.91E-07	1.54E-03	4.87E-07	2.07E-07	2.46E-03	7.75E-07	3.29E-07
4376	496863.09, 3857377.25	1.41E-03	4.45E-07	1.89E-07	1.52E-03	4.81E-07	2.04E-07	2.42E-03	7.65E-07	3.25E-07
4377	497363.09, 3857377.25	1.46E-03	4.60E-07	1.95E-07	1.57E-03	4.96E-07	2.11E-07	2.50E-03	7.91E-07	3.35E-07
4378	497863.09, 3857377.25	1.56E-03	4.91E-07	2.08E-07	1.68E-03	5.30E-07	2.25E-07	2.68E-03	8.45E-07	3.58E-07
4379	498363.09, 3857377.25	1.86E-03	5.86E-07	2.49E-07	2.01E-03	6.33E-07	2.69E-07	3.20E-03	1.01E-06	4.29E-07
4380	471363.09, 3857877.25	3.70E-04	1.17E-07	4.96E-08	3.99E-04	1.26E-07	5.35E-08	6.33E-04	2.00E-07	8.48E-08
4381	471863.09, 3857877.25	3.85E-04	1.21E-07	5.15E-08	4.15E-04	1.31E-07	5.56E-08	6.58E-04	2.08E-07	8.82E-08
4382	472363.09, 3857877.25	4.09E-04	1.29E-07	5.48E-08	4.41E-04	1.39E-07	5.91E-08	7.00E-04	2.21E-07	9.38E-08
4383	472863.09, 3857877.25	4.52E-04	1.43E-07	6.05E-08	4.88E-04	1.54E-07	6.53E-08	7.74E-04	2.44E-07	1.04E-07
4384	473363.09, 3857877.25	4.82E-04	1.52E-07	6.46E-08	5.21E-04	1.64E-07	6.97E-08	8.26E-04	2.61E-07	1.11E-07
4385	473863.09, 3857877.25	5.30E-04	1.67E-07	7.10E-08	5.72E-04	1.81E-07	7.66E-08	9.08E-04	2.87E-07	1.22E-07
4386	474363.09, 3857877.25	4.81E-04	1.52E-07	6.44E-08	5.19E-04	1.64E-07	6.95E-08	8.23E-04	2.60E-07	1.10E-07
4387	474863.09, 3857877.25	3.41E-04	1.08E-07	4.56E-08	3.67E-04	1.16E-07	4.92E-08	5.81E-04	1.83E-07	7.78E-08
4388	475363.09, 3857877.25	1.96E-04	6.18E-08	2.62E-08	2.11E-04	6.67E-08	2.83E-08	3.34E-04	1.05E-07	4.47E-08

4389	475863.09, 3857877.25	1.01E-04	3.19E-08	1.35E-08	1.09E-04	3.44E-08	1.46E-08	1.72E-04	5.44E-08	2.31E-08
4390	476363.09, 3857877.25	2.26E-04	7.13E-08	3.03E-08	2.44E-04	7.69E-08	3.26E-08	3.85E-04	1.22E-07	5.16E-08
4391	476863.09, 3857877.25	2.84E-04	8.97E-08	3.81E-08	3.07E-04	9.68E-08	4.11E-08	4.85E-04	1.53E-07	6.49E-08
4392	477363.09, 3857877.25	2.80E-04	8.83E-08	3.75E-08	3.02E-04	9.53E-08	4.04E-08	4.76E-04	1.50E-07	6.38E-08
4393	477863.09, 3857877.25	2.75E-04	8.69E-08	3.69E-08	2.97E-04	9.37E-08	3.98E-08	4.69E-04	1.48E-07	6.27E-08
4394	478363.09, 3857877.25	1.64E-04	5.17E-08	2.19E-08	1.76E-04	5.57E-08	2.36E-08	2.78E-04	8.78E-08	3.72E-08
4395	478863.09, 3857877.25	1.39E-04	4.40E-08	1.87E-08	1.50E-04	4.75E-08	2.01E-08	2.36E-04	7.46E-08	3.17E-08
4396	479363.09, 3857877.25	6.39E-04	2.02E-07	8.55E-08	6.89E-04	2.17E-07	9.22E-08	1.09E-03	3.43E-07	1.45E-07
4397	479863.09, 3857877.25	1.40E-03	4.40E-07	1.87E-07	1.51E-03	4.75E-07	2.02E-07	2.38E-03	7.53E-07	3.19E-07
4398	480363.09, 3857877.25	1.85E-03	5.83E-07	2.47E-07	1.99E-03	6.29E-07	2.67E-07	3.16E-03	9.97E-07	4.23E-07
4399	480863.09, 3857877.25	2.13E-03	6.71E-07	2.85E-07	2.29E-03	7.24E-07	3.07E-07	3.64E-03	1.15E-06	4.87E-07
4400	481363.09, 3857877.25	2.46E-03	7.77E-07	3.30E-07	2.66E-03	8.39E-07	3.56E-07	4.22E-03	1.33E-06	5.65E-07
4401	481863.09, 3857877.25	2.96E-03	9.33E-07	3.96E-07	3.19E-03	1.01E-06	4.27E-07	5.06E-03	1.60E-06	6.77E-07
4402	482363.09, 3857877.25	3.71E-03	1.17E-06	4.97E-07	4.00E-03	1.26E-06	5.36E-07	6.32E-03	2.00E-06	8.47E-07
4403	482863.09, 3857877.25	4.25E-03	1.34E-06	5.68E-07	4.58E-03	1.44E-06	6.13E-07	7.20E-03	2.27E-06	9.64E-07
4404	483363.09, 3857877.25	4.87E-03	1.54E-06	6.52E-07	5.25E-03	1.66E-06	7.03E-07	8.24E-03	2.60E-06	1.10E-06
4405	483863.09, 3857877.25	5.69E-03	1.80E-06	7.62E-07	6.13E-03	1.93E-06	8.21E-07	9.62E-03	3.03E-06	1.29E-06
4406	484363.09, 3857877.25	6.72E-03	2.12E-06	8.99E-07	7.24E-03	2.28E-06	9.69E-07	1.13E-02	3.58E-06	1.52E-06
4407	484863.09, 3857877.25	8.14E-03	2.57E-06	1.09E-06	8.76E-03	2.77E-06	1.17E-06	1.37E-02	4.33E-06	1.84E-06
4408	485363.09, 3857877.25	1.02E-02	3.21E-06	1.36E-06	1.09E-02	3.45E-06	1.47E-06	1.71E-02	5.40E-06	2.29E-06
4409	485863.09, 3857877.25	1.35E-02	4.25E-06	1.80E-06	1.45E-02	4.58E-06	1.94E-06	2.26E-02	7.14E-06	3.03E-06
4410	486363.09, 3857877.25	2.00E-02	6.31E-06	2.68E-06	2.15E-02	6.79E-06	2.88E-06	3.35E-02	1.06E-05	4.49E-06
4411	486863.09, 3857877.25	4.45E-02	1.40E-05	5.96E-06	4.79E-02	1.51E-05	6.42E-06	7.49E-02	2.36E-05	1.00E-05
4412	487363.09, 3857877.25	1.34E-01	4.23E-05	1.80E-05	1.44E-01	4.56E-05	1.93E-05	2.24E-01	7.07E-05	3.00E-05
4413	487863.09, 3857877.25	5.95E-02	1.88E-05	7.96E-06	6.44E-02	2.03E-05	8.62E-06	1.04E-01	3.30E-05	1.40E-05
4414	488363.09, 3857877.25	3.64E-02	1.15E-05	4.88E-06	3.94E-02	1.24E-05	5.28E-06	6.36E-02	2.01E-05	8.52E-06
4415	488863.09, 3857877.25	2.63E-02	8.30E-06	3.52E-06	2.84E-02	8.98E-06	3.81E-06	4.58E-02	1.44E-05	6.13E-06
4416	489363.09, 3857877.25	2.04E-02	6.44E-06	2.73E-06	2.21E-02	6.96E-06	2.96E-06	3.55E-02	1.12E-05	4.76E-06
4417	489863.09, 3857877.25	1.64E-02	5.16E-06	2.19E-06	1.77E-02	5.58E-06	2.37E-06	2.84E-02	8.97E-06	3.81E-06
4418	490363.09, 3857877.25	1.35E-02	4.27E-06	1.81E-06	1.46E-02	4.61E-06	1.96E-06	2.34E-02	7.40E-06	3.14E-06
4419	490863.09, 3857877.25	1.14E-02	3.60E-06	1.53E-06	1.23E-02	3.89E-06	1.65E-06	1.98E-02	6.23E-06	2.65E-06
4420	491363.09, 3857877.25	9.60E-03	3.03E-06	1.29E-06	1.04E-02	3.28E-06	1.39E-06	1.66E-02	5.25E-06	2.23E-06
4421	491863.09, 3857877.25	7.80E-03	2.46E-06	1.04E-06	8.43E-03	2.66E-06	1.13E-06	1.35E-02	4.26E-06	1.81E-06
4422	492363.09, 3857877.25	5.28E-03	1.67E-06	7.07E-07	5.71E-03	1.80E-06	7.64E-07	9.12E-03	2.88E-06	1.22E-06
4423	492863.09, 3857877.25	3.55E-03	1.12E-06	4.75E-07	3.83E-03	1.21E-06	5.13E-07	6.10E-03	1.93E-06	8.17E-07
4424	493363.09, 3857877.25	2.86E-03	9.04E-07	3.84E-07	3.09E-03	9.76E-07	4.14E-07	4.93E-03	1.56E-06	6.60E-07
4425	493863.09, 3857877.25	2.50E-03	7.89E-07	3.35E-07	2.70E-03	8.52E-07	3.61E-07	4.30E-03	1.36E-06	5.75E-07
4426	494363.09, 3857877.25	2.24E-03	7.06E-07	3.00E-07	2.42E-03	7.63E-07	3.24E-07	3.85E-03	1.21E-06	5.15E-07
4427	494863.09, 3857877.25	1.89E-03	5.98E-07	2.54E-07	2.04E-03	6.45E-07	2.74E-07	3.25E-03	1.03E-06	4.36E-07
4428	495363.09, 3857877.25	1.75E-03	5.53E-07	2.35E-07	1.89E-03	5.97E-07	2.53E-07	3.01E-03	9.50E-07	4.03E-07
4429	495863.09, 3857877.25	1.63E-03	5.16E-07	2.19E-07	1.76E-03	5.57E-07	2.36E-07	2.81E-03	8.86E-07	3.76E-07
4430	496363.09, 3857877.25	1.61E-03	5.09E-07	2.16E-07	1.74E-03	5.49E-07	2.33E-07	2.77E-03	8.74E-07	3.71E-07
4431	496863.09, 3857877.25	1.60E-03	5.04E-07	2.14E-07	1.72E-03	5.44E-07	2.31E-07	2.74E-03	8.65E-07	3.67E-07
4432	497363.09, 3857877.25	1.55E-03	4.91E-07	2.08E-07	1.68E-03	5.30E-07	2.25E-07	2.67E-03	8.44E-07	3.58E-07
4433	497863.09, 3857877.25	1.74E-03	5.49E-07	2.33E-07	1.88E-03	5.93E-07	2.52E-07	2.99E-03	9.45E-07	4.01E-07
4434	498363.09, 3857877.25	1.93E-03	6.08E-07	2.58E-07	2.08E-03	6.57E-07	2.79E-07	3.32E-03	1.05E-06	4.44E-07
4435	471363.09, 3858377.25	3.87E-04	1.22E-07	5.18E-08	4.18E-04	1.32E-07	5.59E-08	6.62E-04	2.09E-07	8.87E-08
4436	471863.09, 3858377.25	4.03E-04	1.27E-07	5.40E-08	4.35E-04	1.37E-07	5.83E-08	6.90E-04	2.18E-07	9.24E-08
4437	472363.09, 3858377.25	4.21E-04	1.33E-07	5.63E-08	4.54E-04	1.43E-07	6.08E-08	7.20E-04	2.27E-07	9.64E-08
4438	472863.09, 3858377.25	4.55E-04	1.44E-07	6.09E-08	4.91E-04	1.55E-07	6.58E-08	7.78E-04	2.46E-07	1.04E-07
4439	473363.09, 3858377.25	5.21E-04	1.64E-07	6.98E-08	5.62E-04	1.77E-07	7.53E-08	8.91E-04	2.81E-07	1.19E-07
4440	473863.09, 3858377.25	5.27E-04	1.66E-07	7.06E-08	5.69E-04	1.80E-07	7.62E-08	9.01E-04	2.84E-07	1.21E-07
4441	474363.09, 3858377.25	4.58E-04	1.45E-07	6.14E-08	4.95E-04	1.56E-07	6.62E-08	7.83E-04	2.47E-07	1.05E-07
4442	474863.09, 3858377.25	3.53E-04	1.11E-07	4.73E-08	3.81E-04	1.20E-07	5.10E-08	6.02E-04	1.90E-07	8.06E-08
4443	475363.09, 3858377.25	2.34E-04	7.38E-08	3.13E-08	2.52E-04	7.96E-08	3.38E-08	3.98E-04	1.26E-07	5.33E-08
4444	475863.09, 3858377.25	1.74E-04	5.49E-08	2.33E-08	1.88E-04	5.92E-08	2.51E-08	2.96E-04	9.34E-08	3.96E-08
4445	476363.09, 3858377.25	1.91E-04	6.02E-08	2.56E-08	2.06E-04	6.50E-08	2.76E-08	3.24E-04	1.02E-07	4.34E-08
4446	476863.09, 3858377.25	2.14E-04	6.76E-08	2.87E-08	2.31E-04	7.29E-08	3.09E-08	3.64E-04	1.15E-07	4.87E-08
4447	477363.09, 3858377.25	2.04E-04	6.45E-08	2.74E-08	2.20E-04	6.96E-08	2.95E-08	3.47E-04	1.10E-07	4.65E-08
4448	477863.09, 3858377.25	2.74E-04	8.65E-08	3.67E-08	2.96E-04	9.33E-08	3.96E-08	4.66E-04	1.47E-07	6.24E-08
4449	478363.09, 3858377.25	2.98E-04	9.40E-08	3.99E-08	3.21E-04	1.01E-07	4.30E-08	5.06E-04	1.60E-07	6.77E-08

4450	478863.09, 3858377.25	2.09E-04	6.59E-08	2.80E-08	2.25E-04	7.11E-08	3.02E-08	3.54E-04	1.12E-07	4.74E-08
4451	479363.09, 3858377.25	6.72E-04	2.12E-07	9.00E-08	7.24E-04	2.29E-07	9.70E-08	1.14E-03	3.61E-07	1.53E-07
4452	479863.09, 3858377.25	1.44E-03	4.56E-07	1.93E-07	1.56E-03	4.92E-07	2.09E-07	2.47E-03	7.80E-07	3.31E-07
4453	480363.09, 3858377.25	1.81E-03	5.70E-07	2.42E-07	1.95E-03	6.15E-07	2.61E-07	3.09E-03	9.76E-07	4.14E-07
4454	480863.09, 3858377.25	2.03E-03	6.41E-07	2.72E-07	2.19E-03	6.92E-07	2.93E-07	3.48E-03	1.10E-06	4.65E-07
4455	481363.09, 3858377.25	2.32E-03	7.32E-07	3.11E-07	2.50E-03	7.90E-07	3.35E-07	3.97E-03	1.25E-06	5.31E-07
4456	481863.09, 3858377.25	2.61E-03	8.24E-07	3.50E-07	2.82E-03	8.89E-07	3.77E-07	4.46E-03	1.41E-06	5.98E-07
4457	482363.09, 3858377.25	3.03E-03	9.57E-07	4.06E-07	3.27E-03	1.03E-06	4.38E-07	5.18E-03	1.63E-06	6.93E-07
4458	482863.09, 3858377.25	3.67E-03	1.16E-06	4.91E-07	3.96E-03	1.25E-06	5.30E-07	6.25E-03	1.97E-06	8.36E-07
4459	483363.09, 3858377.25	4.08E-03	1.29E-06	5.46E-07	4.40E-03	1.39E-06	5.89E-07	6.91E-03	2.18E-06	9.25E-07
4460	483863.09, 3858377.25	4.53E-03	1.43E-06	6.06E-07	4.88E-03	1.54E-06	6.54E-07	7.66E-03	2.42E-06	1.03E-06
4461	484363.09, 3858377.25	5.22E-03	1.65E-06	6.98E-07	5.62E-03	1.77E-06	7.53E-07	8.81E-03	2.78E-06	1.18E-06
4462	484863.09, 3858377.25	6.03E-03	1.90E-06	8.07E-07	6.49E-03	2.05E-06	8.70E-07	1.02E-02	3.21E-06	1.36E-06
4463	485363.09, 3858377.25	6.99E-03	2.20E-06	9.36E-07	7.53E-03	2.38E-06	1.01E-06	1.18E-02	3.72E-06	1.58E-06
4464	485863.09, 3858377.25	8.36E-03	2.64E-06	1.12E-06	9.00E-03	2.84E-06	1.21E-06	1.41E-02	4.44E-06	1.88E-06
4465	486363.09, 3858377.25	1.03E-02	3.24E-06	1.37E-06	1.10E-02	3.49E-06	1.48E-06	1.72E-02	5.44E-06	2.31E-06
4466	486863.09, 3858377.25	1.30E-02	4.11E-06	1.74E-06	1.40E-02	4.42E-06	1.88E-06	2.18E-02	6.90E-06	2.93E-06
4467	487363.09, 3858377.25	1.89E-02	5.96E-06	2.53E-06	2.03E-02	6.42E-06	2.72E-06	3.16E-02	9.99E-06	4.24E-06
4468	487863.09, 3858377.25	6.01E-02	1.90E-05	8.04E-06	6.50E-02	2.05E-05	8.70E-06	1.05E-01	3.32E-05	1.41E-05
4469	488363.09, 3858377.25	3.90E-02	1.23E-05	5.23E-06	4.22E-02	1.33E-05	5.65E-06	6.76E-02	2.13E-05	9.05E-06
4470	488863.09, 3858377.25	2.29E-02	7.21E-06	3.06E-06	2.47E-02	7.78E-06	3.30E-06	3.91E-02	1.23E-05	5.23E-06
4471	489363.09, 3858377.25	1.71E-02	5.38E-06	2.28E-06	1.84E-02	5.81E-06	2.46E-06	2.92E-02	9.20E-06	3.90E-06
4472	489863.09, 3858377.25	1.37E-02	4.32E-06	1.83E-06	1.48E-02	4.66E-06	1.98E-06	2.34E-02	7.39E-06	3.14E-06
4473	490363.09, 3858377.25	1.14E-02	3.60E-06	1.53E-06	1.23E-02	3.89E-06	1.65E-06	1.95E-02	6.17E-06	2.62E-06
4474	490863.09, 3858377.25	9.73E-03	3.07E-06	1.30E-06	1.05E-02	3.32E-06	1.41E-06	1.67E-02	5.27E-06	2.24E-06
4475	491363.09, 3858377.25	8.20E-03	2.59E-06	1.10E-06	8.86E-03	2.80E-06	1.19E-06	1.41E-02	4.46E-06	1.89E-06
4476	491863.09, 3858377.25	6.11E-03	1.93E-06	8.19E-07	6.60E-03	2.08E-06	8.84E-07	1.06E-02	3.33E-06	1.41E-06
4477	492363.09, 3858377.25	3.85E-03	1.22E-06	5.16E-07	4.16E-03	1.31E-06	5.57E-07	6.63E-03	2.09E-06	8.88E-07
4478	492863.09, 3858377.25	3.93E-03	1.24E-06	5.27E-07	4.25E-03	1.34E-06	5.69E-07	6.77E-03	2.14E-06	9.07E-07
4479	493363.09, 3858377.25	3.26E-03	1.03E-06	4.37E-07	3.52E-03	1.11E-06	4.71E-07	5.61E-03	1.77E-06	7.51E-07
4480	493863.09, 3858377.25	2.89E-03	9.12E-07	3.87E-07	3.12E-03	9.85E-07	4.18E-07	4.97E-03	1.57E-06	6.66E-07
4481	494363.09, 3858377.25	2.52E-03	7.94E-07	3.37E-07	2.72E-03	8.58E-07	3.64E-07	4.33E-03	1.37E-06	5.79E-07
4482	494863.09, 3858377.25	2.22E-03	7.02E-07	2.98E-07	2.40E-03	7.58E-07	3.22E-07	3.82E-03	1.21E-06	5.12E-07
4483	495363.09, 3858377.25	1.92E-03	6.07E-07	2.58E-07	2.08E-03	6.56E-07	2.78E-07	3.31E-03	1.04E-06	4.43E-07
4484	495863.09, 3858377.25	1.84E-03	5.81E-07	2.47E-07	1.99E-03	6.28E-07	2.66E-07	3.17E-03	9.99E-07	4.24E-07
4485	496363.09, 3858377.25	1.75E-03	5.52E-07	2.34E-07	1.89E-03	5.97E-07	2.53E-07	3.01E-03	9.49E-07	4.03E-07
4486	496863.09, 3858377.25	1.79E-03	5.66E-07	2.40E-07	1.93E-03	6.11E-07	2.59E-07	3.08E-03	9.72E-07	4.13E-07
4487	497363.09, 3858377.25	1.76E-03	5.57E-07	2.36E-07	1.90E-03	6.01E-07	2.55E-07	3.03E-03	9.57E-07	4.06E-07
4488	497863.09, 3858377.25	1.91E-03	6.03E-07	2.56E-07	2.06E-03	6.51E-07	2.76E-07	3.29E-03	1.04E-06	4.40E-07
4489	498363.09, 3858377.25	2.12E-03	6.68E-07	2.83E-07	2.28E-03	7.21E-07	3.06E-07	3.64E-03	1.15E-06	4.88E-07
4490	471363.09, 3858877.25	3.97E-04	1.25E-07	5.32E-08	4.29E-04	1.35E-07	5.74E-08	6.80E-04	2.15E-07	9.10E-08
4491	471863.09, 3858877.25	4.11E-04	1.30E-07	5.51E-08	4.44E-04	1.40E-07	5.94E-08	7.03E-04	2.22E-07	9.42E-08
4492	472363.09, 3858877.25	4.48E-04	1.41E-07	6.00E-08	4.83E-04	1.53E-07	6.47E-08	7.66E-04	2.42E-07	1.03E-07
4493	472863.09, 3858877.25	4.82E-04	1.52E-07	6.46E-08	5.20E-04	1.64E-07	6.97E-08	8.25E-04	2.60E-07	1.10E-07
4494	473363.09, 3858877.25	5.38E-04	1.70E-07	7.20E-08	5.80E-04	1.83E-07	7.77E-08	9.20E-04	2.91E-07	1.23E-07
4495	473863.09, 3858877.25	5.51E-04	1.74E-07	7.38E-08	5.95E-04	1.88E-07	7.96E-08	9.44E-04	2.98E-07	1.26E-07
4496	474363.09, 3858877.25	4.99E-04	1.58E-07	6.68E-08	5.39E-04	1.70E-07	7.21E-08	8.54E-04	2.69E-07	1.14E-07
4497	474863.09, 3858877.25	2.25E-04	7.09E-08	3.01E-08	2.42E-04	7.64E-08	3.24E-08	3.82E-04	1.21E-07	5.12E-08
4498	475363.09, 3858877.25	1.69E-04	5.33E-08	2.26E-08	1.82E-04	5.74E-08	2.44E-08	2.87E-04	9.05E-08	3.84E-08
4499	475863.09, 3858877.25	1.95E-04	6.17E-08	2.62E-08	2.11E-04	6.65E-08	2.82E-08	3.32E-04	1.05E-07	4.45E-08
4500	476363.09, 3858877.25	1.28E-04	4.03E-08	1.71E-08	1.38E-04	4.34E-08	1.84E-08	2.16E-04	6.83E-08	2.90E-08
4501	476863.09, 3858877.25	1.62E-04	5.10E-08	2.17E-08	1.74E-04	5.50E-08	2.34E-08	2.75E-04	8.67E-08	3.68E-08
4502	477363.09, 3858877.25	1.67E-04	5.28E-08	2.24E-08	1.80E-04	5.69E-08	2.41E-08	2.84E-04	8.95E-08	3.80E-08
4503	477863.09, 3858877.25	2.09E-04	6.59E-08	2.80E-08	2.25E-04	7.11E-08	3.02E-08	3.54E-04	1.12E-07	4.74E-08
4504	478363.09, 3858877.25	4.39E-04	1.38E-07	5.87E-08	4.73E-04	1.49E-07	6.33E-08	7.46E-04	2.35E-07	9.99E-08
4505	478863.09, 3858877.25	3.68E-04	1.16E-07	4.92E-08	3.96E-04	1.25E-07	5.31E-08	6.24E-04	1.97E-07	8.36E-08
4506	479363.09, 3858877.25	3.00E-04	9.47E-08	4.02E-08	3.23E-04	1.02E-07	4.33E-08	5.08E-04	1.60E-07	6.81E-08
4507	479863.09, 3858877.25	1.45E-03	4.59E-07	1.95E-07	1.57E-03	4.96E-07	2.10E-07	2.49E-03	7.86E-07	3.34E-07
4508	480363.09, 3858877.25	1.71E-03	5.39E-07	2.29E-07	1.84E-03	5.81E-07	2.47E-07	2.92E-03	9.22E-07	3.91E-07
4509	480863.09, 3858877.25	1.93E-03	6.10E-07	2.59E-07	2.08E-03	6.58E-07	2.79E-07	3.30E-03	1.04E-06	4.42E-07
4510	481363.09, 3858877.25	2.15E-03	6.78E-07	2.88E-07	2.32E-03	7.32E-07	3.11E-07	3.67E-03	1.16E-06	4.92E-07

4511	481863.09, 3858877.25	2.42E-03	7.63E-07	3.24E-07	2.61E-03	8.23E-07	3.49E-07	4.13E-03	1.30E-06	5.53E-07
4512	482363.09, 3858877.25	2.66E-03	8.41E-07	3.57E-07	2.87E-03	9.07E-07	3.85E-07	4.55E-03	1.44E-06	6.09E-07
4513	482863.09, 3858877.25	3.01E-03	9.50E-07	4.03E-07	3.25E-03	1.02E-06	4.35E-07	5.14E-03	1.62E-06	6.88E-07
4514	483363.09, 3858877.25	3.38E-03	1.07E-06	4.53E-07	3.65E-03	1.15E-06	4.88E-07	5.73E-03	1.81E-06	7.68E-07
4515	483863.09, 3858877.25	3.68E-03	1.16E-06	4.92E-07	3.96E-03	1.25E-06	5.30E-07	6.22E-03	1.96E-06	8.33E-07
4516	484363.09, 3858877.25	4.09E-03	1.29E-06	5.48E-07	4.41E-03	1.39E-06	5.90E-07	6.92E-03	2.18E-06	9.26E-07
4517	484863.09, 3858877.25	4.56E-03	1.44E-06	6.11E-07	4.92E-03	1.55E-06	6.59E-07	7.71E-03	2.43E-06	1.03E-06
4518	485363.09, 3858877.25	5.08E-03	1.60E-06	6.80E-07	5.47E-03	1.73E-06	7.33E-07	8.57E-03	2.70E-06	1.15E-06
4519	485863.09, 3858877.25	5.72E-03	1.81E-06	7.66E-07	6.17E-03	1.95E-06	8.26E-07	9.65E-03	3.05E-06	1.29E-06
4520	486363.09, 3858877.25	6.35E-03	2.01E-06	8.51E-07	6.84E-03	2.16E-06	9.17E-07	1.07E-02	3.38E-06	1.43E-06
4521	486863.09, 3858877.25	7.11E-03	2.25E-06	9.53E-07	7.66E-03	2.42E-06	1.03E-06	1.20E-02	3.77E-06	1.60E-06
4522	487363.09, 3858877.25	8.21E-03	2.59E-06	1.10E-06	8.84E-03	2.79E-06	1.18E-06	1.37E-02	4.34E-06	1.84E-06
4523	487863.09, 3858877.25	9.13E-03	2.88E-06	1.22E-06	9.82E-03	3.10E-06	1.32E-06	1.51E-02	4.78E-06	2.03E-06
4524	488363.09, 3858877.25	1.06E-02	3.36E-06	1.42E-06	1.14E-02	3.60E-06	1.53E-06	1.70E-02	5.37E-06	2.28E-06
4525	488863.09, 3858877.25	2.33E-02	7.35E-06	3.12E-06	2.43E-02	7.68E-06	3.26E-06	2.95E-02	9.30E-06	3.95E-06
4526	489363.09, 3858877.25	1.08E-02	3.42E-06	1.45E-06	1.16E-02	3.66E-06	1.55E-06	1.74E-02	5.48E-06	2.33E-06
4527	489863.09, 3858877.25	9.25E-03	2.92E-06	1.24E-06	9.95E-03	3.14E-06	1.33E-06	1.54E-02	4.86E-06	2.06E-06
4528	490363.09, 3858877.25	8.22E-03	2.60E-06	1.10E-06	8.86E-03	2.80E-06	1.19E-06	1.39E-02	4.40E-06	1.87E-06
4529	490863.09, 3858877.25	7.12E-03	2.25E-06	9.54E-07	7.69E-03	2.43E-06	1.03E-06	1.22E-02	3.85E-06	1.63E-06
4530	491363.09, 3858877.25	5.64E-03	1.78E-06	7.55E-07	6.09E-03	1.92E-06	8.15E-07	9.71E-03	3.06E-06	1.30E-06
4531	491863.09, 3858877.25	3.98E-03	1.26E-06	5.33E-07	4.29E-03	1.36E-06	5.75E-07	6.84E-03	2.16E-06	9.16E-07
4532	492363.09, 3858877.25	4.32E-03	1.36E-06	5.78E-07	4.66E-03	1.47E-06	6.24E-07	7.44E-03	2.35E-06	9.96E-07
4533	492863.09, 3858877.25	4.53E-03	1.43E-06	6.07E-07	4.90E-03	1.55E-06	6.56E-07	7.81E-03	2.47E-06	1.05E-06
4534	493363.09, 3858877.25	3.99E-03	1.26E-06	5.35E-07	4.31E-03	1.36E-06	5.78E-07	6.88E-03	2.17E-06	9.22E-07
4535	493863.09, 3858877.25	3.21E-03	1.01E-06	4.29E-07	3.46E-03	1.09E-06	4.64E-07	5.52E-03	1.74E-06	7.39E-07
4536	494363.09, 3858877.25	2.89E-03	9.12E-07	3.87E-07	3.12E-03	9.85E-07	4.18E-07	4.97E-03	1.57E-06	6.66E-07
4537	494863.09, 3858877.25	2.55E-03	8.04E-07	3.41E-07	2.75E-03	8.68E-07	3.68E-07	4.38E-03	1.38E-06	5.87E-07
4538	495363.09, 3858877.25	2.25E-03	7.10E-07	3.01E-07	2.43E-03	7.66E-07	3.25E-07	3.87E-03	1.22E-06	5.18E-07
4539	495863.09, 3858877.25	2.09E-03	6.60E-07	2.80E-07	2.26E-03	7.13E-07	3.02E-07	3.59E-03	1.13E-06	4.81E-07
4540	496363.09, 3858877.25	2.02E-03	6.39E-07	2.71E-07	2.19E-03	6.90E-07	2.93E-07	3.48E-03	1.10E-06	4.66E-07
4541	496863.09, 3858877.25	1.97E-03	6.21E-07	2.63E-07	2.12E-03	6.70E-07	2.84E-07	3.38E-03	1.07E-06	4.53E-07
4542	497363.09, 3858877.25	1.90E-03	6.01E-07	2.55E-07	2.06E-03	6.49E-07	2.75E-07	3.28E-03	1.03E-06	4.39E-07
4543	497863.09, 3858877.25	2.08E-03	6.58E-07	2.79E-07	2.25E-03	7.10E-07	3.01E-07	3.59E-03	1.13E-06	4.81E-07
4544	498363.09, 3858877.25	2.23E-03	7.05E-07	2.99E-07	2.41E-03	7.61E-07	3.23E-07	3.85E-03	1.21E-06	5.15E-07
4545	471363.09, 3859377.25	4.06E-04	1.28E-07	5.44E-08	4.38E-04	1.38E-07	5.87E-08	6.95E-04	2.19E-07	9.31E-08
4546	471863.09, 3859377.25	4.29E-04	1.36E-07	5.75E-08	4.63E-04	1.46E-07	6.21E-08	7.35E-04	2.32E-07	9.84E-08
4547	472363.09, 3859377.25	4.68E-04	1.48E-07	6.27E-08	5.05E-04	1.59E-07	6.77E-08	8.02E-04	2.53E-07	1.07E-07
4548	472863.09, 3859377.25	5.03E-04	1.59E-07	6.74E-08	5.43E-04	1.71E-07	7.27E-08	8.62E-04	2.72E-07	1.15E-07
4549	473363.09, 3859377.25	5.47E-04	1.73E-07	7.32E-08	5.90E-04	1.86E-07	7.90E-08	9.37E-04	2.96E-07	1.26E-07
4550	473863.09, 3859377.25	5.74E-04	1.81E-07	7.69E-08	6.20E-04	1.96E-07	8.30E-08	9.84E-04	3.11E-07	1.32E-07
4551	474363.09, 3859377.25	5.11E-04	1.61E-07	6.85E-08	5.52E-04	1.74E-07	7.39E-08	8.75E-04	2.76E-07	1.17E-07
4552	474863.09, 3859377.25	3.59E-04	1.13E-07	4.81E-08	3.87E-04	1.22E-07	5.18E-08	6.12E-04	1.93E-07	8.20E-08
4553	475363.09, 3859377.25	2.28E-04	7.21E-08	3.06E-08	2.46E-04	7.77E-08	3.30E-08	3.88E-04	1.23E-07	5.20E-08
4554	475863.09, 3859377.25	1.51E-04	4.77E-08	2.03E-08	1.63E-04	5.15E-08	2.18E-08	2.57E-04	8.11E-08	3.44E-08
4555	476363.09, 3859377.25	1.38E-04	4.35E-08	1.85E-08	1.49E-04	4.69E-08	1.99E-08	2.34E-04	7.38E-08	3.13E-08
4556	476863.09, 3859377.25	1.14E-04	3.60E-08	1.53E-08	1.23E-04	3.88E-08	1.65E-08	1.93E-04	6.09E-08	2.59E-08
4557	477363.09, 3859377.25	1.24E-04	3.93E-08	1.67E-08	1.34E-04	4.23E-08	1.79E-08	2.10E-04	6.62E-08	2.81E-08
4558	477863.09, 3859377.25	2.30E-04	7.25E-08	3.07E-08	2.48E-04	7.81E-08	3.31E-08	3.89E-04	1.23E-07	5.21E-08
4559	478363.09, 3859377.25	3.75E-04	1.18E-07	5.02E-08	4.04E-04	1.28E-07	5.41E-08	6.37E-04	2.01E-07	8.53E-08
4560	478863.09, 3859377.25	6.47E-04	2.04E-07	8.67E-08	6.98E-04	2.20E-07	9.35E-08	1.11E-03	3.49E-07	1.48E-07
4561	479363.09, 3859377.25	9.67E-04	3.05E-07	1.29E-07	1.04E-03	3.29E-07	1.40E-07	1.66E-03	5.23E-07	2.22E-07
4562	479863.09, 3859377.25	1.27E-03	4.02E-07	1.71E-07	1.38E-03	4.34E-07	1.84E-07	2.18E-03	6.89E-07	2.92E-07
4563	480363.09, 3859377.25	1.56E-03	4.92E-07	2.09E-07	1.68E-03	5.31E-07	2.25E-07	2.67E-03	8.41E-07	3.57E-07
4564	480863.09, 3859377.25	1.76E-03	5.56E-07	2.36E-07	1.90E-03	6.00E-07	2.55E-07	3.01E-03	9.50E-07	4.03E-07
4565	481363.09, 3859377.25	1.96E-03	6.18E-07	2.62E-07	2.11E-03	6.66E-07	2.83E-07	3.34E-03	1.05E-06	4.47E-07
4566	481863.09, 3859377.25	2.16E-03	6.82E-07	2.89E-07	2.33E-03	7.36E-07	3.12E-07	3.69E-03	1.16E-06	4.94E-07
4567	482363.09, 3859377.25	2.36E-03	7.45E-07	3.16E-07	2.55E-03	8.04E-07	3.41E-07	4.02E-03	1.27E-06	5.39E-07
4568	482863.09, 3859377.25	2.62E-03	8.26E-07	3.50E-07	2.82E-03	8.91E-07	3.78E-07	4.46E-03	1.41E-06	5.97E-07
4569	483363.09, 3859377.25	2.89E-03	9.11E-07	3.86E-07	3.11E-03	9.82E-07	4.17E-07	4.90E-03	1.55E-06	6.56E-07
4570	483863.09, 3859377.25	3.00E-03	9.47E-07	4.02E-07	3.23E-03	1.02E-06	4.33E-07	5.07E-03	1.60E-06	6.80E-07
4571	484363.09, 3859377.25	3.26E-03	1.03E-06	4.37E-07	3.51E-03	1.11E-06	4.71E-07	5.51E-03	1.74E-06	7.38E-07

4572	484863.09, 3859377.25	3.55E-03	1.12E-06	4.76E-07	3.83E-03	1.21E-06	5.13E-07	6.01E-03	1.90E-06	8.04E-07
4573	485363.09, 3859377.25	3.82E-03	1.21E-06	5.12E-07	4.12E-03	1.30E-06	5.52E-07	6.45E-03	2.04E-06	8.64E-07
4574	485863.09, 3859377.25	4.07E-03	1.28E-06	5.45E-07	4.39E-03	1.38E-06	5.87E-07	6.86E-03	2.17E-06	9.19E-07
4575	486363.09, 3859377.25	4.33E-03	1.37E-06	5.80E-07	4.67E-03	1.47E-06	6.25E-07	7.30E-03	2.30E-06	9.77E-07
4576	486863.09, 3859377.25	4.57E-03	1.44E-06	6.12E-07	4.92E-03	1.55E-06	6.59E-07	7.68E-03	2.42E-06	1.03E-06
4577	487363.09, 3859377.25	4.79E-03	1.51E-06	6.42E-07	5.16E-03	1.63E-06	6.91E-07	8.04E-03	2.54E-06	1.08E-06
4578	487863.09, 3859377.25	5.05E-03	1.60E-06	6.77E-07	5.44E-03	1.72E-06	7.28E-07	8.44E-03	2.66E-06	1.13E-06
4579	488363.09, 3859377.25	5.33E-03	1.68E-06	7.14E-07	5.74E-03	1.81E-06	7.68E-07	8.89E-03	2.81E-06	1.19E-06
4580	488863.09, 3859377.25	5.47E-03	1.73E-06	7.32E-07	5.89E-03	1.86E-06	7.88E-07	9.16E-03	2.89E-06	1.23E-06
4581	489363.09, 3859377.25	5.27E-03	1.66E-06	7.05E-07	5.67E-03	1.79E-06	7.59E-07	8.84E-03	2.79E-06	1.18E-06
4582	489863.09, 3859377.25	5.41E-03	1.71E-06	7.25E-07	5.83E-03	1.84E-06	7.80E-07	9.09E-03	2.87E-06	1.22E-06
4583	490363.09, 3859377.25	5.42E-03	1.71E-06	7.25E-07	5.84E-03	1.84E-06	7.82E-07	9.18E-03	2.90E-06	1.23E-06
4584	490863.09, 3859377.25	5.10E-03	1.61E-06	6.83E-07	5.50E-03	1.74E-06	7.37E-07	8.71E-03	2.75E-06	1.17E-06
4585	491363.09, 3859377.25	4.10E-03	1.29E-06	5.49E-07	4.43E-03	1.40E-06	5.93E-07	7.05E-03	2.23E-06	9.45E-07
4586	491863.09, 3859377.25	4.42E-03	1.40E-06	5.92E-07	4.77E-03	1.51E-06	6.39E-07	7.59E-03	2.40E-06	1.02E-06
4587	492363.09, 3859377.25	4.17E-03	1.32E-06	5.59E-07	4.51E-03	1.42E-06	6.04E-07	7.17E-03	2.26E-06	9.60E-07
4588	492863.09, 3859377.25	3.98E-03	1.25E-06	5.32E-07	4.29E-03	1.35E-06	5.75E-07	6.83E-03	2.16E-06	9.15E-07
4589	493363.09, 3859377.25	3.62E-03	1.14E-06	4.84E-07	3.90E-03	1.23E-06	5.23E-07	6.22E-03	1.96E-06	8.33E-07
4590	493863.09, 3859377.25	3.43E-03	1.08E-06	4.59E-07	3.70E-03	1.17E-06	4.96E-07	5.90E-03	1.86E-06	7.90E-07
4591	494363.09, 3859377.25	3.16E-03	9.97E-07	4.23E-07	3.41E-03	1.08E-06	4.57E-07	5.44E-03	1.72E-06	7.28E-07
4592	494863.09, 3859377.25	2.72E-03	8.59E-07	3.64E-07	2.94E-03	9.28E-07	3.94E-07	4.69E-03	1.48E-06	6.28E-07
4593	495363.09, 3859377.25	2.57E-03	8.12E-07	3.45E-07	2.78E-03	8.77E-07	3.72E-07	4.43E-03	1.40E-06	5.93E-07
4594	495863.09, 3859377.25	2.36E-03	7.46E-07	3.17E-07	2.55E-03	8.06E-07	3.42E-07	4.07E-03	1.29E-06	5.45E-07
4595	496363.09, 3859377.25	2.31E-03	7.30E-07	3.10E-07	2.50E-03	7.88E-07	3.35E-07	3.98E-03	1.26E-06	5.34E-07
4596	496863.09, 3859377.25	2.07E-03	6.53E-07	2.77E-07	2.23E-03	7.05E-07	2.99E-07	3.56E-03	1.12E-06	4.77E-07
4597	497363.09, 3859377.25	2.11E-03	6.66E-07	2.83E-07	2.28E-03	7.20E-07	3.05E-07	3.64E-03	1.15E-06	4.87E-07
4598	497863.09, 3859377.25	2.23E-03	7.03E-07	2.98E-07	2.41E-03	7.60E-07	3.22E-07	3.84E-03	1.21E-06	5.14E-07
4599	498363.09, 3859377.25	2.26E-03	7.12E-07	3.02E-07	2.44E-03	7.70E-07	3.27E-07	3.89E-03	1.23E-06	5.21E-07
4600	471363.09, 3859877.25	4.21E-04	1.33E-07	5.64E-08	4.54E-04	1.43E-07	6.09E-08	7.21E-04	2.28E-07	9.66E-08
4601	471863.09, 3859877.25	4.49E-04	1.42E-07	6.01E-08	4.85E-04	1.53E-07	6.49E-08	7.70E-04	2.43E-07	1.03E-07
4602	472363.09, 3859877.25	4.74E-04	1.49E-07	6.34E-08	5.11E-04	1.61E-07	6.85E-08	8.12E-04	2.56E-07	1.09E-07
4603	472863.09, 3859877.25	5.12E-04	1.61E-07	6.85E-08	5.52E-04	1.74E-07	7.40E-08	8.77E-04	2.77E-07	1.17E-07
4604	473363.09, 3859877.25	5.49E-04	1.73E-07	7.35E-08	5.92E-04	1.87E-07	7.93E-08	9.39E-04	2.96E-07	1.26E-07
4605	473863.09, 3859877.25	5.81E-04	1.83E-07	7.78E-08	6.27E-04	1.98E-07	8.39E-08	9.93E-04	3.13E-07	1.33E-07
4606	474363.09, 3859877.25	5.46E-04	1.72E-07	7.31E-08	5.89E-04	1.86E-07	7.88E-08	9.33E-04	2.94E-07	1.25E-07
4607	474863.09, 3859877.25	4.61E-04	1.46E-07	6.17E-08	4.98E-04	1.57E-07	6.66E-08	7.88E-04	2.49E-07	1.06E-07
4608	475363.09, 3859877.25	2.76E-04	8.70E-08	3.69E-08	2.97E-04	9.38E-08	3.98E-08	4.69E-04	1.48E-07	6.28E-08
4609	475863.09, 3859877.25	1.46E-04	4.59E-08	1.95E-08	1.57E-04	4.95E-08	2.10E-08	2.47E-04	7.79E-08	3.31E-08
4610	476363.09, 3859877.25	9.29E-05	2.93E-08	1.24E-08	1.00E-04	3.16E-08	1.34E-08	1.57E-04	4.95E-08	2.10E-08
4611	476863.09, 3859877.25	1.07E-04	3.38E-08	1.43E-08	1.15E-04	3.64E-08	1.54E-08	1.81E-04	5.70E-08	2.42E-08
4612	477363.09, 3859877.25	1.14E-04	3.60E-08	1.53E-08	1.23E-04	3.88E-08	1.65E-08	1.92E-04	6.06E-08	2.57E-08
4613	477863.09, 3859877.25	2.04E-04	6.44E-08	2.73E-08	2.20E-04	6.94E-08	2.94E-08	3.45E-04	1.09E-07	4.62E-08
4614	478363.09, 3859877.25	3.69E-04	1.16E-07	4.94E-08	3.98E-04	1.26E-07	5.33E-08	6.27E-04	1.98E-07	8.40E-08
4615	478863.09, 3859877.25	6.34E-04	2.00E-07	8.49E-08	6.84E-04	2.16E-07	9.16E-08	1.08E-03	3.42E-07	1.45E-07
4616	479363.09, 3859877.25	9.82E-04	3.10E-07	1.32E-07	1.06E-03	3.35E-07	1.42E-07	1.68E-03	5.31E-07	2.25E-07
4617	479863.09, 3859877.25	1.25E-03	3.94E-07	1.67E-07	1.35E-03	4.25E-07	1.80E-07	2.14E-03	6.74E-07	2.86E-07
4618	480363.09, 3859877.25	1.46E-03	4.59E-07	1.95E-07	1.57E-03	4.96E-07	2.10E-07	2.49E-03	7.85E-07	3.33E-07
4619	480863.09, 3859877.25	1.61E-03	5.07E-07	2.15E-07	1.73E-03	5.47E-07	2.32E-07	2.74E-03	8.65E-07	3.67E-07
4620	481363.09, 3859877.25	1.76E-03	5.56E-07	2.36E-07	1.90E-03	6.00E-07	2.55E-07	3.00E-03	9.48E-07	4.02E-07
4621	481863.09, 3859877.25	1.91E-03	6.03E-07	2.56E-07	2.06E-03	6.51E-07	2.76E-07	3.26E-03	1.03E-06	4.36E-07
4622	482363.09, 3859877.25	2.07E-03	6.54E-07	2.78E-07	2.24E-03	7.05E-07	2.99E-07	3.53E-03	1.11E-06	4.73E-07
4623	482863.09, 3859877.25	2.25E-03	7.10E-07	3.01E-07	2.43E-03	7.66E-07	3.25E-07	3.83E-03	1.21E-06	5.13E-07
4624	483363.09, 3859877.25	2.42E-03	7.62E-07	3.24E-07	2.61E-03	8.22E-07	3.49E-07	4.11E-03	1.30E-06	5.50E-07
4625	483863.09, 3859877.25	2.50E-03	7.90E-07	3.35E-07	2.70E-03	8.51E-07	3.61E-07	4.23E-03	1.34E-06	5.67E-07
4626	484363.09, 3859877.25	2.63E-03	8.30E-07	3.52E-07	2.83E-03	8.94E-07	3.79E-07	4.44E-03	1.40E-06	5.95E-07
4627	484863.09, 3859877.25	2.80E-03	8.83E-07	3.75E-07	3.01E-03	9.52E-07	4.04E-07	4.73E-03	1.49E-06	6.33E-07
4628	485363.09, 3859877.25	2.94E-03	9.29E-07	3.94E-07	3.17E-03	1.00E-06	4.25E-07	4.97E-03	1.57E-06	6.65E-07
4629	485863.09, 3859877.25	3.06E-03	9.67E-07	4.10E-07	3.30E-03	1.04E-06	4.42E-07	5.16E-03	1.63E-06	6.91E-07
4630	486363.09, 3859877.25	3.17E-03	1.00E-06	4.25E-07	3.42E-03	1.08E-06	4.58E-07	5.34E-03	1.69E-06	7.16E-07
4631	486863.09, 3859877.25	3.30E-03	1.04E-06	4.41E-07	3.55E-03	1.12E-06	4.75E-07	5.55E-03	1.75E-06	7.43E-07
4632	487363.09, 3859877.25	3.31E-03	1.05E-06	4.43E-07	3.57E-03	1.13E-06	4.78E-07	5.56E-03	1.76E-06	7.45E-07

4633	487863.09, 3859877.25	3.44E-03	1.09E-06	4.61E-07	3.71E-03	1.17E-06	4.97E-07	5.78E-03	1.83E-06	7.74E-07
4634	488363.09, 3859877.25	3.50E-03	1.11E-06	4.69E-07	3.77E-03	1.19E-06	5.05E-07	5.89E-03	1.86E-06	7.89E-07
4635	488863.09, 3859877.25	3.65E-03	1.15E-06	4.89E-07	3.93E-03	1.24E-06	5.27E-07	6.17E-03	1.95E-06	8.26E-07
4636	489363.09, 3859877.25	3.69E-03	1.16E-06	4.94E-07	3.98E-03	1.26E-06	5.33E-07	6.26E-03	1.97E-06	8.38E-07
4637	489863.09, 3859877.25	3.51E-03	1.11E-06	4.70E-07	3.79E-03	1.19E-06	5.07E-07	5.96E-03	1.88E-06	7.98E-07
4638	490363.09, 3859877.25	3.44E-03	1.09E-06	4.61E-07	3.71E-03	1.17E-06	4.97E-07	5.84E-03	1.84E-06	7.82E-07
4639	490863.09, 3859877.25	3.62E-03	1.14E-06	4.84E-07	3.90E-03	1.23E-06	5.22E-07	6.15E-03	1.94E-06	8.24E-07
4640	491363.09, 3859877.25	3.64E-03	1.15E-06	4.87E-07	3.93E-03	1.24E-06	5.26E-07	6.21E-03	1.96E-06	8.32E-07
4641	491863.09, 3859877.25	3.58E-03	1.13E-06	4.80E-07	3.87E-03	1.22E-06	5.18E-07	6.13E-03	1.94E-06	8.21E-07
4642	492363.09, 3859877.25	3.48E-03	1.10E-06	4.66E-07	3.75E-03	1.18E-06	5.03E-07	5.96E-03	1.88E-06	7.98E-07
4643	492863.09, 3859877.25	3.32E-03	1.05E-06	4.45E-07	3.58E-03	1.13E-06	4.80E-07	5.69E-03	1.80E-06	7.62E-07
4644	493363.09, 3859877.25	3.16E-03	9.99E-07	4.24E-07	3.42E-03	1.08E-06	4.58E-07	5.43E-03	1.71E-06	7.27E-07
4645	493863.09, 3859877.25	3.01E-03	9.51E-07	4.03E-07	3.25E-03	1.03E-06	4.35E-07	5.17E-03	1.63E-06	6.92E-07
4646	494363.09, 3859877.25	2.84E-03	8.97E-07	3.80E-07	3.07E-03	9.68E-07	4.11E-07	4.88E-03	1.54E-06	6.53E-07
4647	494863.09, 3859877.25	2.72E-03	8.59E-07	3.65E-07	2.94E-03	9.28E-07	3.94E-07	4.68E-03	1.48E-06	6.27E-07
4648	495363.09, 3859877.25	2.58E-03	8.15E-07	3.46E-07	2.79E-03	8.80E-07	3.73E-07	4.44E-03	1.40E-06	5.95E-07
4649	495863.09, 3859877.25	2.43E-03	7.68E-07	3.26E-07	2.63E-03	8.29E-07	3.52E-07	4.18E-03	1.32E-06	5.60E-07
4650	496363.09, 3859877.25	2.20E-03	6.96E-07	2.95E-07	2.38E-03	7.52E-07	3.19E-07	3.80E-03	1.20E-06	5.08E-07
4651	496863.09, 3859877.25	1.70E-03	5.36E-07	2.28E-07	1.84E-03	5.79E-07	2.46E-07	2.93E-03	9.23E-07	3.92E-07
4652	497363.09, 3859877.25	1.98E-03	6.24E-07	2.65E-07	2.14E-03	6.75E-07	2.86E-07	3.41E-03	1.08E-06	4.56E-07
4653	497863.09, 3859877.25	2.13E-03	6.72E-07	2.85E-07	2.30E-03	7.26E-07	3.08E-07	3.67E-03	1.16E-06	4.91E-07
4654	498363.09, 3859877.25	2.11E-03	6.67E-07	2.83E-07	2.28E-03	7.20E-07	3.06E-07	3.64E-03	1.15E-06	4.88E-07
4655	471363.09, 3860377.25	4.30E-04	1.36E-07	5.75E-08	4.64E-04	1.46E-07	6.21E-08	7.36E-04	2.32E-07	9.86E-08
4656	471863.09, 3860377.25	4.54E-04	1.43E-07	6.09E-08	4.90E-04	1.55E-07	6.57E-08	7.78E-04	2.46E-07	1.04E-07
4657	472363.09, 3860377.25	4.84E-04	1.53E-07	6.48E-08	5.22E-04	1.65E-07	6.99E-08	8.28E-04	2.61E-07	1.11E-07
4658	472863.09, 3860377.25	5.16E-04	1.63E-07	6.91E-08	5.56E-04	1.76E-07	7.45E-08	8.81E-04	2.78E-07	1.18E-07
4659	473363.09, 3860377.25	5.46E-04	1.72E-07	7.31E-08	5.89E-04	1.86E-07	7.88E-08	9.32E-04	2.94E-07	1.25E-07
4660	473863.09, 3860377.25	5.72E-04	1.80E-07	7.66E-08	6.17E-04	1.95E-07	8.26E-08	9.77E-04	3.08E-07	1.31E-07
4661	474363.09, 3860377.25	5.80E-04	1.83E-07	7.77E-08	6.26E-04	1.98E-07	8.39E-08	9.92E-04	3.13E-07	1.33E-07
4662	474863.09, 3860377.25	5.64E-04	1.78E-07	7.56E-08	6.09E-04	1.92E-07	8.16E-08	9.65E-04	3.05E-07	1.29E-07
4663	475363.09, 3860377.25	4.94E-04	1.56E-07	6.61E-08	5.33E-04	1.68E-07	7.14E-08	8.45E-04	2.67E-07	1.13E-07
4664	475863.09, 3860377.25	4.03E-04	1.27E-07	5.40E-08	4.35E-04	1.37E-07	5.82E-08	6.88E-04	2.17E-07	9.21E-08
4665	476363.09, 3860377.25	3.08E-04	9.72E-08	4.12E-08	3.32E-04	1.05E-07	4.45E-08	5.24E-04	1.65E-07	7.02E-08
4666	476863.09, 3860377.25	2.75E-04	8.68E-08	3.68E-08	2.97E-04	9.36E-08	3.97E-08	4.67E-04	1.47E-07	6.26E-08
4667	477363.09, 3860377.25	1.67E-04	5.26E-08	2.23E-08	1.80E-04	5.67E-08	2.40E-08	2.82E-04	8.89E-08	3.77E-08
4668	477863.09, 3860377.25	2.12E-04	6.68E-08	2.84E-08	2.28E-04	7.20E-08	3.06E-08	3.58E-04	1.13E-07	4.80E-08
4669	478363.09, 3860377.25	4.12E-04	1.30E-07	5.52E-08	4.45E-04	1.40E-07	5.95E-08	7.02E-04	2.22E-07	9.40E-08
4670	478863.09, 3860377.25	6.49E-04	2.05E-07	8.69E-08	7.00E-04	2.21E-07	9.38E-08	1.11E-03	3.50E-07	1.49E-07
4671	479363.09, 3860377.25	9.41E-04	2.97E-07	1.26E-07	1.02E-03	3.21E-07	1.36E-07	1.61E-03	5.09E-07	2.16E-07
4672	479863.09, 3860377.25	1.18E-03	3.74E-07	1.59E-07	1.28E-03	4.03E-07	1.71E-07	2.03E-03	6.40E-07	2.71E-07
4673	480363.09, 3860377.25	1.34E-03	4.23E-07	1.80E-07	1.45E-03	4.57E-07	1.94E-07	2.29E-03	7.23E-07	3.07E-07
4674	480863.09, 3860377.25	1.46E-03	4.61E-07	1.96E-07	1.58E-03	4.97E-07	2.11E-07	2.49E-03	7.85E-07	3.33E-07
4675	481363.09, 3860377.25	1.57E-03	4.96E-07	2.10E-07	1.70E-03	5.35E-07	2.27E-07	2.68E-03	8.45E-07	3.59E-07
4676	481863.09, 3860377.25	1.69E-03	5.33E-07	2.26E-07	1.82E-03	5.75E-07	2.44E-07	2.88E-03	9.09E-07	3.86E-07
4677	482363.09, 3860377.25	1.81E-03	5.70E-07	2.42E-07	1.95E-03	6.15E-07	2.61E-07	3.07E-03	9.70E-07	4.12E-07
4678	482863.09, 3860377.25	1.92E-03	6.07E-07	2.57E-07	2.07E-03	6.54E-07	2.78E-07	3.27E-03	1.03E-06	4.38E-07
4679	483363.09, 3860377.25	2.03E-03	6.42E-07	2.72E-07	2.19E-03	6.92E-07	2.94E-07	3.45E-03	1.09E-06	4.62E-07
4680	483863.09, 3860377.25	2.14E-03	6.76E-07	2.87E-07	2.31E-03	7.28E-07	3.09E-07	3.63E-03	1.14E-06	4.86E-07
4681	484363.09, 3860377.25	2.17E-03	6.85E-07	2.91E-07	2.34E-03	7.38E-07	3.13E-07	3.66E-03	1.16E-06	4.91E-07
4682	484863.09, 3860377.25	2.27E-03	7.15E-07	3.03E-07	2.44E-03	7.70E-07	3.27E-07	3.82E-03	1.21E-06	5.12E-07
4683	485363.09, 3860377.25	2.35E-03	7.41E-07	3.14E-07	2.53E-03	7.98E-07	3.39E-07	3.96E-03	1.25E-06	5.30E-07
4684	485863.09, 3860377.25	2.42E-03	7.62E-07	3.23E-07	2.60E-03	8.21E-07	3.48E-07	4.07E-03	1.28E-06	5.45E-07
4685	486363.09, 3860377.25	2.44E-03	7.70E-07	3.27E-07	2.63E-03	8.30E-07	3.52E-07	4.11E-03	1.30E-06	5.51E-07
4686	486863.09, 3860377.25	2.45E-03	7.75E-07	3.29E-07	2.64E-03	8.35E-07	3.54E-07	4.13E-03	1.30E-06	5.53E-07
4687	487363.09, 3860377.25	2.46E-03	7.77E-07	3.30E-07	2.65E-03	8.37E-07	3.55E-07	4.14E-03	1.31E-06	5.54E-07
4688	487863.09, 3860377.25	2.52E-03	7.94E-07	3.37E-07	2.71E-03	8.55E-07	3.63E-07	4.23E-03	1.34E-06	5.67E-07
4689	488363.09, 3860377.25	2.57E-03	8.10E-07	3.44E-07	2.77E-03	8.73E-07	3.70E-07	4.33E-03	1.37E-06	5.80E-07
4690	488863.09, 3860377.25	2.63E-03	8.30E-07	3.52E-07	2.83E-03	8.95E-07	3.80E-07	4.45E-03	1.40E-06	5.96E-07
4691	489363.09, 3860377.25	2.71E-03	8.54E-07	3.63E-07	2.92E-03	9.21E-07	3.91E-07	4.60E-03	1.45E-06	6.15E-07
4692	489863.09, 3860377.25	2.74E-03	8.66E-07	3.67E-07	2.96E-03	9.34E-07	3.96E-07	4.67E-03	1.47E-06	6.25E-07
4693	490363.09, 3860377.25	2.60E-03	8.21E-07	3.49E-07	2.81E-03	8.86E-07	3.76E-07	4.43E-03	1.40E-06	5.94E-07

4694	490863.09, 3860377.25	2.49E-03	7.86E-07	3.33E-07	2.68E-03	8.47E-07	3.60E-07	4.24E-03	1.34E-06	5.68E-07
4695	491363.09, 3860377.25	2.51E-03	7.93E-07	3.36E-07	2.71E-03	8.55E-07	3.63E-07	4.28E-03	1.35E-06	5.73E-07
4696	491863.09, 3860377.25	2.60E-03	8.22E-07	3.49E-07	2.81E-03	8.87E-07	3.76E-07	4.45E-03	1.40E-06	5.95E-07
4697	492363.09, 3860377.25	2.68E-03	8.47E-07	3.60E-07	2.90E-03	9.15E-07	3.88E-07	4.60E-03	1.45E-06	6.15E-07
4698	492863.09, 3860377.25	2.66E-03	8.39E-07	3.56E-07	2.87E-03	9.05E-07	3.84E-07	4.56E-03	1.44E-06	6.10E-07
4699	493363.09, 3860377.25	2.63E-03	8.29E-07	3.52E-07	2.84E-03	8.95E-07	3.80E-07	4.51E-03	1.42E-06	6.04E-07
4700	493863.09, 3860377.25	2.54E-03	8.01E-07	3.40E-07	2.74E-03	8.65E-07	3.67E-07	4.36E-03	1.38E-06	5.84E-07
4701	494363.09, 3860377.25	2.46E-03	7.77E-07	3.30E-07	2.66E-03	8.39E-07	3.56E-07	4.23E-03	1.34E-06	5.67E-07
4702	494863.09, 3860377.25	2.37E-03	7.48E-07	3.18E-07	2.56E-03	8.08E-07	3.43E-07	4.08E-03	1.29E-06	5.46E-07
4703	495363.09, 3860377.25	2.29E-03	7.23E-07	3.07E-07	2.48E-03	7.81E-07	3.31E-07	3.95E-03	1.25E-06	5.28E-07
4704	495863.09, 3860377.25	2.17E-03	6.84E-07	2.90E-07	2.34E-03	7.38E-07	3.13E-07	3.72E-03	1.18E-06	4.99E-07
4705	496363.09, 3860377.25	2.02E-03	6.36E-07	2.70E-07	2.18E-03	6.87E-07	2.92E-07	3.47E-03	1.09E-06	4.64E-07
4706	496863.09, 3860377.25	1.87E-03	5.90E-07	2.50E-07	2.02E-03	6.37E-07	2.70E-07	3.22E-03	1.02E-06	4.31E-07
4707	497363.09, 3860377.25	1.68E-03	5.30E-07	2.25E-07	1.81E-03	5.72E-07	2.43E-07	2.89E-03	9.13E-07	3.87E-07
4708	497863.09, 3860377.25	1.84E-03	5.80E-07	2.46E-07	1.98E-03	6.26E-07	2.66E-07	3.16E-03	9.98E-07	4.23E-07
4709	498363.09, 3860377.25	1.87E-03	5.90E-07	2.50E-07	2.02E-03	6.37E-07	2.70E-07	3.22E-03	1.02E-06	4.31E-07
4710	471363.09, 3860877.25	4.34E-04	1.37E-07	5.82E-08	4.69E-04	1.48E-07	6.28E-08	7.43E-04	2.35E-07	9.95E-08
4711	471863.09, 3860877.25	4.58E-04	1.45E-07	6.14E-08	4.95E-04	1.56E-07	6.62E-08	7.84E-04	2.47E-07	1.05E-07
4712	472363.09, 3860877.25	4.82E-04	1.52E-07	6.46E-08	5.20E-04	1.64E-07	6.97E-08	8.24E-04	2.60E-07	1.10E-07
4713	472863.09, 3860877.25	5.09E-04	1.61E-07	6.82E-08	5.49E-04	1.73E-07	7.36E-08	8.70E-04	2.74E-07	1.16E-07
4714	473363.09, 3860877.25	5.34E-04	1.68E-07	7.15E-08	5.76E-04	1.82E-07	7.71E-08	9.11E-04	2.88E-07	1.22E-07
4715	473863.09, 3860877.25	5.58E-04	1.76E-07	7.48E-08	6.02E-04	1.90E-07	8.07E-08	9.54E-04	3.01E-07	1.28E-07
4716	474363.09, 3860877.25	5.82E-04	1.84E-07	7.79E-08	6.27E-04	1.98E-07	8.40E-08	9.94E-04	3.14E-07	1.33E-07
4717	474863.09, 3860877.25	6.09E-04	1.92E-07	8.15E-08	6.57E-04	2.07E-07	8.79E-08	1.04E-03	3.28E-07	1.39E-07
4718	475363.09, 3860877.25	6.13E-04	1.94E-07	8.21E-08	6.62E-04	2.09E-07	8.86E-08	1.05E-03	3.31E-07	1.40E-07
4719	475863.09, 3860877.25	5.87E-04	1.85E-07	7.86E-08	6.34E-04	2.00E-07	8.49E-08	1.00E-03	3.17E-07	1.35E-07
4720	476363.09, 3860877.25	5.25E-04	1.66E-07	7.03E-08	5.66E-04	1.79E-07	7.58E-08	8.98E-04	2.83E-07	1.20E-07
4721	476863.09, 3860877.25	5.01E-04	1.58E-07	6.71E-08	5.41E-04	1.71E-07	7.24E-08	8.57E-04	2.70E-07	1.15E-07
4722	477363.09, 3860877.25	5.19E-04	1.64E-07	6.95E-08	5.60E-04	1.77E-07	7.50E-08	8.88E-04	2.80E-07	1.19E-07
4723	477863.09, 3860877.25	4.41E-04	1.39E-07	5.90E-08	4.76E-04	1.50E-07	6.37E-08	7.52E-04	2.37E-07	1.01E-07
4724	478363.09, 3860877.25	2.53E-04	7.98E-08	3.38E-08	2.72E-04	8.60E-08	3.65E-08	4.28E-04	1.35E-07	5.73E-08
4725	478863.09, 3860877.25	6.02E-04	1.90E-07	8.06E-08	6.50E-04	2.05E-07	8.70E-08	1.03E-03	3.25E-07	1.38E-07
4726	479363.09, 3860877.25	9.02E-04	2.85E-07	1.21E-07	9.74E-04	3.07E-07	1.30E-07	1.55E-03	4.88E-07	2.07E-07
4727	479863.09, 3860877.25	1.10E-03	3.48E-07	1.48E-07	1.19E-03	3.75E-07	1.59E-07	1.88E-03	5.95E-07	2.52E-07
4728	480363.09, 3860877.25	1.22E-03	3.85E-07	1.63E-07	1.32E-03	4.15E-07	1.76E-07	2.08E-03	6.56E-07	2.79E-07
4729	480863.09, 3860877.25	1.31E-03	4.12E-07	1.75E-07	1.41E-03	4.45E-07	1.89E-07	2.22E-03	7.02E-07	2.98E-07
4730	481363.09, 3860877.25	1.40E-03	4.41E-07	1.87E-07	1.51E-03	4.76E-07	2.02E-07	2.38E-03	7.51E-07	3.19E-07
4731	481863.09, 3860877.25	1.48E-03	4.67E-07	1.98E-07	1.60E-03	5.04E-07	2.14E-07	2.52E-03	7.95E-07	3.37E-07
4732	482363.09, 3860877.25	1.57E-03	4.95E-07	2.10E-07	1.69E-03	5.34E-07	2.27E-07	2.67E-03	8.41E-07	3.57E-07
4733	482863.09, 3860877.25	1.65E-03	5.22E-07	2.22E-07	1.78E-03	5.63E-07	2.39E-07	2.81E-03	8.86E-07	3.76E-07
4734	483363.09, 3860877.25	1.73E-03	5.46E-07	2.32E-07	1.87E-03	5.89E-07	2.50E-07	2.93E-03	9.25E-07	3.93E-07
4735	483863.09, 3860877.25	1.80E-03	5.69E-07	2.41E-07	1.94E-03	6.13E-07	2.60E-07	3.05E-03	9.62E-07	4.08E-07
4736	484363.09, 3860877.25	1.85E-03	5.85E-07	2.48E-07	2.00E-03	6.31E-07	2.68E-07	3.13E-03	9.88E-07	4.19E-07
4737	484863.09, 3860877.25	1.87E-03	5.91E-07	2.51E-07	2.02E-03	6.36E-07	2.70E-07	3.16E-03	9.97E-07	4.23E-07
4738	485363.09, 3860877.25	1.93E-03	6.09E-07	2.58E-07	2.08E-03	6.56E-07	2.78E-07	3.25E-03	1.03E-06	4.36E-07
4739	485863.09, 3860877.25	1.98E-03	6.26E-07	2.66E-07	2.14E-03	6.74E-07	2.86E-07	3.34E-03	1.06E-06	4.48E-07
4740	486363.09, 3860877.25	1.96E-03	6.18E-07	2.62E-07	2.11E-03	6.65E-07	2.82E-07	3.30E-03	1.04E-06	4.41E-07
4741	486863.09, 3860877.25	1.94E-03	6.13E-07	2.60E-07	2.09E-03	6.60E-07	2.80E-07	3.27E-03	1.03E-06	4.38E-07
4742	487363.09, 3860877.25	1.94E-03	6.13E-07	2.60E-07	2.09E-03	6.60E-07	2.80E-07	3.27E-03	1.03E-06	4.37E-07
4743	487863.09, 3860877.25	1.94E-03	6.12E-07	2.60E-07	2.09E-03	6.59E-07	2.80E-07	3.26E-03	1.03E-06	4.37E-07
4744	488363.09, 3860877.25	2.02E-03	6.38E-07	2.71E-07	2.18E-03	6.87E-07	2.92E-07	3.41E-03	1.08E-06	4.57E-07
4745	488863.09, 3860877.25	2.02E-03	6.39E-07	2.71E-07	2.18E-03	6.88E-07	2.92E-07	3.43E-03	1.08E-06	4.59E-07
4746	489363.09, 3860877.25	2.09E-03	6.61E-07	2.80E-07	2.26E-03	7.13E-07	3.02E-07	3.55E-03	1.12E-06	4.76E-07
4747	489863.09, 3860877.25	2.10E-03	6.62E-07	2.81E-07	2.26E-03	7.14E-07	3.03E-07	3.57E-03	1.13E-06	4.78E-07
4748	490363.09, 3860877.25	2.12E-03	6.70E-07	2.84E-07	2.29E-03	7.23E-07	3.07E-07	3.62E-03	1.14E-06	4.84E-07
4749	490863.09, 3860877.25	2.04E-03	6.44E-07	2.73E-07	2.20E-03	6.95E-07	2.95E-07	3.48E-03	1.10E-06	4.66E-07
4750	491363.09, 3860877.25	1.94E-03	6.12E-07	2.59E-07	2.09E-03	6.60E-07	2.80E-07	3.31E-03	1.04E-06	4.43E-07
4751	491863.09, 3860877.25	1.93E-03	6.08E-07	2.58E-07	2.08E-03	6.56E-07	2.78E-07	3.29E-03	1.04E-06	4.41E-07
4752	492363.09, 3860877.25	1.95E-03	6.14E-07	2.61E-07	2.10E-03	6.63E-07	2.81E-07	3.33E-03	1.05E-06	4.45E-07
4753	492863.09, 3860877.25	2.02E-03	6.37E-07	2.70E-07	2.18E-03	6.88E-07	2.92E-07	3.45E-03	1.09E-06	4.63E-07
4754	493363.09, 3860877.25	2.09E-03	6.58E-07	2.79E-07	2.25E-03	7.11E-07	3.02E-07	3.58E-03	1.13E-06	4.79E-07

4755	493863.09, 3860877.25	2.07E-03	6.54E-07	2.77E-07	2.24E-03	7.06E-07	3.00E-07	3.56E-03	1.12E-06	4.76E-07
4756	494363.09, 3860877.25	2.04E-03	6.43E-07	2.73E-07	2.20E-03	6.95E-07	2.95E-07	3.50E-03	1.11E-06	4.69E-07
4757	494863.09, 3860877.25	2.00E-03	6.31E-07	2.68E-07	2.16E-03	6.82E-07	2.89E-07	3.44E-03	1.09E-06	4.61E-07
4758	495363.09, 3860877.25	1.95E-03	6.16E-07	2.61E-07	2.11E-03	6.65E-07	2.82E-07	3.36E-03	1.06E-06	4.50E-07
4759	495863.09, 3860877.25	1.89E-03	5.98E-07	2.54E-07	2.04E-03	6.45E-07	2.74E-07	3.26E-03	1.03E-06	4.37E-07
4760	496363.09, 3860877.25	1.85E-03	5.84E-07	2.48E-07	2.00E-03	6.31E-07	2.68E-07	3.19E-03	1.01E-06	4.27E-07
4761	496863.09, 3860877.25	1.77E-03	5.58E-07	2.37E-07	1.91E-03	6.03E-07	2.56E-07	3.04E-03	9.59E-07	4.07E-07
4762	497363.09, 3860877.25	1.72E-03	5.42E-07	2.30E-07	1.85E-03	5.85E-07	2.48E-07	2.95E-03	9.32E-07	3.95E-07
4763	497863.09, 3860877.25	1.66E-03	5.23E-07	2.22E-07	1.79E-03	5.65E-07	2.40E-07	2.85E-03	8.99E-07	3.82E-07
4764	498363.09, 3860877.25	1.64E-03	5.18E-07	2.20E-07	1.77E-03	5.60E-07	2.38E-07	2.83E-03	8.92E-07	3.79E-07
4765	471363.09, 3861377.25	4.33E-04	1.37E-07	5.80E-08	4.67E-04	1.48E-07	6.26E-08	7.40E-04	2.34E-07	9.91E-08
4766	471863.09, 3861377.25	4.53E-04	1.43E-07	6.07E-08	4.89E-04	1.54E-07	6.55E-08	7.74E-04	2.44E-07	1.04E-07
4767	472363.09, 3861377.25	4.74E-04	1.50E-07	6.34E-08	5.11E-04	1.61E-07	6.85E-08	8.09E-04	2.55E-07	1.08E-07
4768	472863.09, 3861377.25	4.98E-04	1.57E-07	6.67E-08	5.37E-04	1.70E-07	7.19E-08	8.50E-04	2.68E-07	1.14E-07
4769	473363.09, 3861377.25	5.21E-04	1.64E-07	6.98E-08	5.62E-04	1.77E-07	7.53E-08	8.90E-04	2.81E-07	1.19E-07
4770	473863.09, 3861377.25	5.43E-04	1.72E-07	7.28E-08	5.86E-04	1.85E-07	7.85E-08	9.28E-04	2.93E-07	1.24E-07
4771	474363.09, 3861377.25	5.73E-04	1.81E-07	7.67E-08	6.18E-04	1.95E-07	8.27E-08	9.78E-04	3.09E-07	1.31E-07
4772	474863.09, 3861377.25	5.95E-04	1.88E-07	7.97E-08	6.42E-04	2.03E-07	8.60E-08	1.02E-03	3.21E-07	1.36E-07
4773	475363.09, 3861377.25	6.27E-04	1.98E-07	8.40E-08	6.77E-04	2.14E-07	9.06E-08	1.07E-03	3.38E-07	1.43E-07
4774	475863.09, 3861377.25	6.46E-04	2.04E-07	8.65E-08	6.97E-04	2.20E-07	9.33E-08	1.10E-03	3.48E-07	1.48E-07
4775	476363.09, 3861377.25	6.51E-04	2.06E-07	8.72E-08	7.03E-04	2.22E-07	9.41E-08	1.11E-03	3.51E-07	1.49E-07
4776	476863.09, 3861377.25	6.58E-04	2.08E-07	8.81E-08	7.10E-04	2.24E-07	9.51E-08	1.13E-03	3.55E-07	1.51E-07
4777	477363.09, 3861377.25	6.68E-04	2.11E-07	8.95E-08	7.21E-04	2.28E-07	9.66E-08	1.14E-03	3.61E-07	1.53E-07
4778	477863.09, 3861377.25	5.56E-04	1.76E-07	7.45E-08	6.00E-04	1.89E-07	8.04E-08	9.52E-04	3.00E-07	1.27E-07
4779	478363.09, 3861377.25	3.14E-04	9.91E-08	4.21E-08	3.39E-04	1.07E-07	4.54E-08	5.33E-04	1.68E-07	7.14E-08
4780	478863.09, 3861377.25	4.06E-04	1.28E-07	5.44E-08	4.38E-04	1.38E-07	5.87E-08	6.92E-04	2.18E-07	9.27E-08
4781	479363.09, 3861377.25	8.10E-04	2.56E-07	1.08E-07	8.74E-04	2.76E-07	1.17E-07	1.39E-03	4.38E-07	1.86E-07
4782	479863.09, 3861377.25	9.99E-04	3.15E-07	1.34E-07	1.08E-03	3.40E-07	1.44E-07	1.71E-03	5.38E-07	2.28E-07
4783	480363.09, 3861377.25	1.10E-03	3.48E-07	1.48E-07	1.19E-03	3.75E-07	1.59E-07	1.88E-03	5.92E-07	2.51E-07
4784	480863.09, 3861377.25	1.18E-03	3.71E-07	1.57E-07	1.27E-03	4.00E-07	1.70E-07	2.00E-03	6.31E-07	2.68E-07
4785	481363.09, 3861377.25	1.24E-03	3.91E-07	1.66E-07	1.34E-03	4.22E-07	1.79E-07	2.11E-03	6.65E-07	2.82E-07
4786	481863.09, 3861377.25	1.30E-03	4.12E-07	1.75E-07	1.41E-03	4.44E-07	1.88E-07	2.21E-03	6.99E-07	2.97E-07
4787	482363.09, 3861377.25	1.37E-03	4.32E-07	1.83E-07	1.48E-03	4.66E-07	1.98E-07	2.32E-03	7.33E-07	3.11E-07
4788	482863.09, 3861377.25	1.43E-03	4.52E-07	1.92E-07	1.54E-03	4.88E-07	2.07E-07	2.43E-03	7.66E-07	3.25E-07
4789	483363.09, 3861377.25	1.49E-03	4.71E-07	2.00E-07	1.61E-03	5.08E-07	2.16E-07	2.53E-03	7.97E-07	3.38E-07
4790	483863.09, 3861377.25	1.54E-03	4.87E-07	2.07E-07	1.66E-03	5.25E-07	2.23E-07	2.61E-03	8.23E-07	3.49E-07
4791	484363.09, 3861377.25	1.59E-03	5.03E-07	2.13E-07	1.72E-03	5.42E-07	2.30E-07	2.69E-03	8.50E-07	3.60E-07
4792	484863.09, 3861377.25	1.61E-03	5.07E-07	2.15E-07	1.73E-03	5.46E-07	2.32E-07	2.71E-03	8.56E-07	3.63E-07
4793	485363.09, 3861377.25	1.61E-03	5.07E-07	2.15E-07	1.73E-03	5.47E-07	2.32E-07	2.71E-03	8.56E-07	3.63E-07
4794	485863.09, 3861377.25	1.62E-03	5.13E-07	2.18E-07	1.75E-03	5.52E-07	2.34E-07	2.74E-03	8.64E-07	3.67E-07
4795	486363.09, 3861377.25	1.61E-03	5.09E-07	2.16E-07	1.74E-03	5.48E-07	2.32E-07	2.71E-03	8.56E-07	3.63E-07
4796	486863.09, 3861377.25	1.59E-03	5.03E-07	2.14E-07	1.72E-03	5.42E-07	2.30E-07	2.68E-03	8.46E-07	3.59E-07
4797	487363.09, 3861377.25	1.59E-03	5.01E-07	2.12E-07	1.71E-03	5.39E-07	2.29E-07	2.67E-03	8.42E-07	3.57E-07
4798	487863.09, 3861377.25	1.59E-03	5.00E-07	2.12E-07	1.71E-03	5.39E-07	2.29E-07	2.67E-03	8.43E-07	3.58E-07
4799	488363.09, 3861377.25	1.59E-03	5.01E-07	2.13E-07	1.71E-03	5.40E-07	2.29E-07	2.68E-03	8.46E-07	3.59E-07
4800	488863.09, 3861377.25	1.62E-03	5.12E-07	2.17E-07	1.75E-03	5.52E-07	2.34E-07	2.75E-03	8.67E-07	3.68E-07
4801	489363.09, 3861377.25	1.64E-03	5.18E-07	2.20E-07	1.77E-03	5.58E-07	2.37E-07	2.78E-03	8.78E-07	3.72E-07
4802	489863.09, 3861377.25	1.67E-03	5.28E-07	2.24E-07	1.80E-03	5.69E-07	2.41E-07	2.84E-03	8.97E-07	3.81E-07
4803	490363.09, 3861377.25	1.70E-03	5.36E-07	2.28E-07	1.83E-03	5.78E-07	2.45E-07	2.89E-03	9.13E-07	3.88E-07
4804	490863.09, 3861377.25	1.72E-03	5.42E-07	2.30E-07	1.85E-03	5.85E-07	2.48E-07	2.93E-03	9.25E-07	3.92E-07
4805	491363.09, 3861377.25	1.66E-03	5.25E-07	2.23E-07	1.79E-03	5.66E-07	2.40E-07	2.84E-03	8.96E-07	3.80E-07
4806	491863.09, 3861377.25	1.58E-03	4.98E-07	2.11E-07	1.70E-03	5.38E-07	2.28E-07	2.70E-03	8.51E-07	3.61E-07
4807	492363.09, 3861377.25	1.54E-03	4.87E-07	2.07E-07	1.67E-03	5.26E-07	2.23E-07	2.64E-03	8.33E-07	3.53E-07
4808	492863.09, 3861377.25	1.56E-03	4.91E-07	2.08E-07	1.68E-03	5.30E-07	2.25E-07	2.66E-03	8.39E-07	3.56E-07
4809	493363.09, 3861377.25	1.60E-03	5.06E-07	2.14E-07	1.73E-03	5.46E-07	2.31E-07	2.74E-03	8.65E-07	3.67E-07
4810	493863.09, 3861377.25	1.64E-03	5.18E-07	2.20E-07	1.77E-03	5.60E-07	2.37E-07	2.82E-03	8.89E-07	3.77E-07
4811	494363.09, 3861377.25	1.66E-03	5.24E-07	2.23E-07	1.79E-03	5.66E-07	2.40E-07	2.85E-03	9.00E-07	3.82E-07
4812	494863.09, 3861377.25	1.66E-03	5.24E-07	2.22E-07	1.79E-03	5.65E-07	2.40E-07	2.85E-03	9.00E-07	3.82E-07
4813	495363.09, 3861377.25	1.64E-03	5.16E-07	2.19E-07	1.77E-03	5.58E-07	2.37E-07	2.81E-03	8.88E-07	3.77E-07
4814	495863.09, 3861377.25	1.60E-03	5.04E-07	2.14E-07	1.72E-03	5.44E-07	2.31E-07	2.75E-03	8.68E-07	3.68E-07
4815	496363.09, 3861377.25	1.58E-03	4.98E-07	2.11E-07	1.71E-03	5.38E-07	2.28E-07	2.72E-03	8.58E-07	3.64E-07

4816	496863.09, 3861377.25	1.57E-03	4.95E-07	2.10E-07	1.69E-03	5.34E-07	2.27E-07	2.70E-03	8.53E-07	3.62E-07
4817	497363.09, 3861377.25	1.53E-03	4.83E-07	2.05E-07	1.65E-03	5.22E-07	2.21E-07	2.64E-03	8.33E-07	3.54E-07
4818	497863.09, 3861377.25	1.49E-03	4.71E-07	2.00E-07	1.61E-03	5.09E-07	2.16E-07	2.58E-03	8.13E-07	3.45E-07
4819	498363.09, 3861377.25	1.46E-03	4.60E-07	1.95E-07	1.58E-03	4.97E-07	2.11E-07	2.52E-03	7.95E-07	3.37E-07
4820	471363.09, 3861877.25	4.26E-04	1.34E-07	5.71E-08	4.60E-04	1.45E-07	6.16E-08	7.28E-04	2.30E-07	9.75E-08
4821	471863.09, 3861877.25	4.44E-04	1.40E-07	5.94E-08	4.79E-04	1.51E-07	6.41E-08	7.58E-04	2.39E-07	1.02E-07
4822	472363.09, 3861877.25	4.63E-04	1.46E-07	6.21E-08	5.00E-04	1.58E-07	6.70E-08	7.92E-04	2.50E-07	1.06E-07
4823	472863.09, 3861877.25	4.85E-04	1.53E-07	6.49E-08	5.23E-04	1.65E-07	7.00E-08	8.28E-04	2.61E-07	1.11E-07
4824	473363.09, 3861877.25	5.07E-04	1.60E-07	6.79E-08	5.47E-04	1.73E-07	7.33E-08	8.66E-04	2.73E-07	1.16E-07
4825	473863.09, 3861877.25	5.29E-04	1.67E-07	7.08E-08	5.71E-04	1.80E-07	7.64E-08	9.03E-04	2.85E-07	1.21E-07
4826	474363.09, 3861877.25	5.53E-04	1.75E-07	7.41E-08	5.97E-04	1.88E-07	7.99E-08	9.44E-04	2.98E-07	1.26E-07
4827	474863.09, 3861877.25	5.76E-04	1.82E-07	7.72E-08	6.22E-04	1.96E-07	8.32E-08	9.83E-04	3.10E-07	1.32E-07
4828	475363.09, 3861877.25	6.02E-04	1.90E-07	8.06E-08	6.49E-04	2.05E-07	8.70E-08	1.03E-03	3.24E-07	1.37E-07
4829	475863.09, 3861877.25	6.31E-04	1.99E-07	8.45E-08	6.81E-04	2.15E-07	9.12E-08	1.08E-03	3.40E-07	1.44E-07
4830	476363.09, 3861877.25	6.59E-04	2.08E-07	8.82E-08	7.11E-04	2.24E-07	9.51E-08	1.12E-03	3.55E-07	1.51E-07
4831	476863.09, 3861877.25	6.78E-04	2.14E-07	9.07E-08	7.31E-04	2.31E-07	9.79E-08	1.16E-03	3.65E-07	1.55E-07
4832	477363.09, 3861877.25	6.87E-04	2.17E-07	9.21E-08	7.42E-04	2.34E-07	9.93E-08	1.18E-03	3.71E-07	1.57E-07
4833	477863.09, 3861877.25	5.57E-04	1.76E-07	7.46E-08	6.01E-04	1.90E-07	8.05E-08	9.53E-04	3.01E-07	1.28E-07
4834	478363.09, 3861877.25	2.56E-04	8.09E-08	3.43E-08	2.76E-04	8.72E-08	3.70E-08	4.35E-04	1.37E-07	5.82E-08
4835	478863.09, 3861877.25	4.64E-04	1.46E-07	6.21E-08	5.01E-04	1.58E-07	6.70E-08	7.92E-04	2.50E-07	1.06E-07
4836	479363.09, 3861877.25	4.18E-04	1.32E-07	5.59E-08	4.50E-04	1.42E-07	6.03E-08	7.12E-04	2.25E-07	9.53E-08
4837	479863.09, 3861877.25	9.04E-04	2.85E-07	1.21E-07	9.75E-04	3.08E-07	1.31E-07	1.54E-03	4.87E-07	2.07E-07
4838	480363.09, 3861877.25	1.00E-03	3.16E-07	1.34E-07	1.08E-03	3.41E-07	1.45E-07	1.70E-03	5.37E-07	2.28E-07
4839	480863.09, 3861877.25	1.05E-03	3.32E-07	1.41E-07	1.13E-03	3.58E-07	1.52E-07	1.79E-03	5.64E-07	2.39E-07
4840	481363.09, 3861877.25	1.10E-03	3.48E-07	1.48E-07	1.19E-03	3.75E-07	1.59E-07	1.87E-03	5.90E-07	2.50E-07
4841	481863.09, 3861877.25	1.15E-03	3.64E-07	1.55E-07	1.24E-03	3.93E-07	1.67E-07	1.96E-03	6.17E-07	2.62E-07
4842	482363.09, 3861877.25	1.21E-03	3.81E-07	1.62E-07	1.30E-03	4.11E-07	1.74E-07	2.05E-03	6.46E-07	2.74E-07
4843	482863.09, 3861877.25	1.26E-03	3.98E-07	1.69E-07	1.36E-03	4.29E-07	1.82E-07	2.14E-03	6.74E-07	2.86E-07
4844	483363.09, 3861877.25	1.31E-03	4.12E-07	1.75E-07	1.41E-03	4.44E-07	1.88E-07	2.21E-03	6.97E-07	2.96E-07
4845	483863.09, 3861877.25	1.34E-03	4.23E-07	1.79E-07	1.44E-03	4.56E-07	1.93E-07	2.26E-03	7.14E-07	3.03E-07
4846	484363.09, 3861877.25	1.36E-03	4.29E-07	1.82E-07	1.47E-03	4.62E-07	1.96E-07	2.30E-03	7.25E-07	3.07E-07
4847	484863.09, 3861877.25	1.39E-03	4.37E-07	1.86E-07	1.49E-03	4.71E-07	2.00E-07	2.34E-03	7.38E-07	3.13E-07
4848	485363.09, 3861877.25	1.38E-03	4.37E-07	1.85E-07	1.49E-03	4.71E-07	2.00E-07	2.34E-03	7.37E-07	3.13E-07
4849	485863.09, 3861877.25	1.37E-03	4.31E-07	1.83E-07	1.47E-03	4.65E-07	1.97E-07	2.30E-03	7.26E-07	3.08E-07
4850	486363.09, 3861877.25	1.36E-03	4.28E-07	1.81E-07	1.46E-03	4.61E-07	1.95E-07	2.28E-03	7.19E-07	3.05E-07
4851	486863.09, 3861877.25	1.34E-03	4.23E-07	1.79E-07	1.44E-03	4.55E-07	1.93E-07	2.25E-03	7.11E-07	3.02E-07
4852	487363.09, 3861877.25	1.33E-03	4.20E-07	1.78E-07	1.43E-03	4.52E-07	1.92E-07	2.24E-03	7.07E-07	3.00E-07
4853	487863.09, 3861877.25	1.33E-03	4.19E-07	1.78E-07	1.43E-03	4.52E-07	1.92E-07	2.24E-03	7.07E-07	3.00E-07
4854	488363.09, 3861877.25	1.33E-03	4.19E-07	1.78E-07	1.43E-03	4.52E-07	1.92E-07	2.24E-03	7.08E-07	3.01E-07
4855	488863.09, 3861877.25	1.34E-03	4.24E-07	1.80E-07	1.45E-03	4.57E-07	1.94E-07	2.27E-03	7.17E-07	3.04E-07
4856	489363.09, 3861877.25	1.35E-03	4.26E-07	1.81E-07	1.46E-03	4.60E-07	1.95E-07	2.29E-03	7.23E-07	3.07E-07
4857	489863.09, 3861877.25	1.37E-03	4.33E-07	1.84E-07	1.48E-03	4.67E-07	1.98E-07	2.33E-03	7.36E-07	3.12E-07
4858	490363.09, 3861877.25	1.38E-03	4.35E-07	1.85E-07	1.49E-03	4.69E-07	1.99E-07	2.35E-03	7.40E-07	3.14E-07
4859	490863.09, 3861877.25	1.40E-03	4.43E-07	1.88E-07	1.51E-03	4.78E-07	2.03E-07	2.39E-03	7.55E-07	3.20E-07
4860	491363.09, 3861877.25	1.43E-03	4.51E-07	1.91E-07	1.54E-03	4.86E-07	2.06E-07	2.44E-03	7.70E-07	3.27E-07
4861	491863.09, 3861877.25	1.40E-03	4.41E-07	1.87E-07	1.51E-03	4.76E-07	2.02E-07	2.39E-03	7.55E-07	3.20E-07
4862	492363.09, 3861877.25	1.32E-03	4.17E-07	1.77E-07	1.43E-03	4.50E-07	1.91E-07	2.26E-03	7.13E-07	3.03E-07
4863	492863.09, 3861877.25	1.28E-03	4.04E-07	1.72E-07	1.38E-03	4.36E-07	1.85E-07	2.19E-03	6.92E-07	2.93E-07
4864	493363.09, 3861877.25	1.28E-03	4.03E-07	1.71E-07	1.38E-03	4.35E-07	1.85E-07	2.18E-03	6.90E-07	2.93E-07
4865	493863.09, 3861877.25	1.30E-03	4.10E-07	1.74E-07	1.40E-03	4.42E-07	1.88E-07	2.22E-03	7.01E-07	2.98E-07
4866	494363.09, 3861877.25	1.33E-03	4.21E-07	1.79E-07	1.44E-03	4.54E-07	1.93E-07	2.29E-03	7.21E-07	3.06E-07
4867	494863.09, 3861877.25	1.37E-03	4.33E-07	1.84E-07	1.48E-03	4.67E-07	1.98E-07	2.35E-03	7.43E-07	3.15E-07
4868	495363.09, 3861877.25	1.38E-03	4.37E-07	1.85E-07	1.49E-03	4.72E-07	2.00E-07	2.38E-03	7.51E-07	3.19E-07
4869	495863.09, 3861877.25	1.38E-03	4.35E-07	1.84E-07	1.49E-03	4.69E-07	1.99E-07	2.37E-03	7.48E-07	3.17E-07
4870	496363.09, 3861877.25	1.36E-03	4.30E-07	1.82E-07	1.47E-03	4.64E-07	1.97E-07	2.35E-03	7.41E-07	3.14E-07
4871	496863.09, 3861877.25	1.40E-03	4.43E-07	1.88E-07	1.52E-03	4.78E-07	2.03E-07	2.42E-03	7.63E-07	3.24E-07
4872	497363.09, 3861877.25	1.34E-03	4.22E-07	1.79E-07	1.44E-03	4.56E-07	1.94E-07	2.31E-03	7.28E-07	3.09E-07
4873	497863.09, 3861877.25	1.30E-03	4.09E-07	1.73E-07	1.40E-03	4.42E-07	1.87E-07	2.23E-03	7.05E-07	2.99E-07
4874	498363.09, 3861877.25	1.26E-03	3.99E-07	1.69E-07	1.37E-03	4.31E-07	1.83E-07	2.18E-03	6.89E-07	2.92E-07
4875	471363.09, 3862377.25	4.16E-04	1.31E-07	5.57E-08	4.49E-04	1.42E-07	6.01E-08	7.10E-04	2.24E-07	9.51E-08
4876	471863.09, 3862377.25	4.32E-04	1.36E-07	5.79E-08	4.66E-04	1.47E-07	6.24E-08	7.38E-04	2.33E-07	9.88E-08

4877	472363.09, 3862377.25	4.51E-04	1.42E-07	6.03E-08	4.86E-04	1.53E-07	6.51E-08	7.70E-04	2.43E-07	1.03E-07
4878	472863.09, 3862377.25	4.70E-04	1.48E-07	6.29E-08	5.07E-04	1.60E-07	6.79E-08	8.02E-04	2.53E-07	1.07E-07
4879	473363.09, 3862377.25	4.89E-04	1.54E-07	6.55E-08	5.28E-04	1.67E-07	7.07E-08	8.35E-04	2.63E-07	1.12E-07
4880	473863.09, 3862377.25	5.09E-04	1.61E-07	6.82E-08	5.49E-04	1.73E-07	7.35E-08	8.68E-04	2.74E-07	1.16E-07
4881	474363.09, 3862377.25	5.28E-04	1.67E-07	7.07E-08	5.70E-04	1.80E-07	7.63E-08	9.00E-04	2.84E-07	1.21E-07
4882	474863.09, 3862377.25	5.46E-04	1.72E-07	7.31E-08	5.89E-04	1.86E-07	7.89E-08	9.31E-04	2.94E-07	1.25E-07
4883	475363.09, 3862377.25	5.71E-04	1.80E-07	7.65E-08	6.16E-04	1.95E-07	8.25E-08	9.74E-04	3.07E-07	1.30E-07
4884	475863.09, 3862377.25	5.97E-04	1.89E-07	8.00E-08	6.44E-04	2.03E-07	8.63E-08	1.02E-03	3.21E-07	1.36E-07
4885	476363.09, 3862377.25	6.23E-04	1.97E-07	8.35E-08	6.72E-04	2.12E-07	9.00E-08	1.06E-03	3.35E-07	1.42E-07
4886	476863.09, 3862377.25	6.48E-04	2.05E-07	8.68E-08	6.99E-04	2.21E-07	9.37E-08	1.11E-03	3.49E-07	1.48E-07
4887	477363.09, 3862377.25	6.65E-04	2.10E-07	8.91E-08	7.17E-04	2.26E-07	9.61E-08	1.13E-03	3.58E-07	1.52E-07
4888	477863.09, 3862377.25	5.96E-04	1.88E-07	7.98E-08	6.43E-04	2.03E-07	8.61E-08	1.02E-03	3.22E-07	1.36E-07
4889	478363.09, 3862377.25	4.83E-04	1.52E-07	6.46E-08	5.21E-04	1.64E-07	6.97E-08	8.25E-04	2.60E-07	1.10E-07
4890	478863.09, 3862377.25	5.19E-04	1.64E-07	6.94E-08	5.60E-04	1.77E-07	7.49E-08	8.87E-04	2.80E-07	1.19E-07
4891	479363.09, 3862377.25	6.28E-04	1.98E-07	8.42E-08	6.78E-04	2.14E-07	9.08E-08	1.08E-03	3.39E-07	1.44E-07
4892	479863.09, 3862377.25	8.40E-04	2.65E-07	1.12E-07	9.06E-04	2.86E-07	1.21E-07	1.43E-03	4.51E-07	1.91E-07
4893	480363.09, 3862377.25	9.05E-04	2.86E-07	1.21E-07	9.75E-04	3.08E-07	1.31E-07	1.54E-03	4.85E-07	2.06E-07
4894	480863.09, 3862377.25	9.46E-04	2.99E-07	1.27E-07	1.02E-03	3.22E-07	1.37E-07	1.60E-03	5.06E-07	2.15E-07
4895	481363.09, 3862377.25	9.89E-04	3.12E-07	1.32E-07	1.07E-03	3.37E-07	1.43E-07	1.68E-03	5.29E-07	2.24E-07
4896	481863.09, 3862377.25	1.03E-03	3.26E-07	1.38E-07	1.11E-03	3.51E-07	1.49E-07	1.75E-03	5.52E-07	2.34E-07
4897	482363.09, 3862377.25	1.08E-03	3.40E-07	1.44E-07	1.16E-03	3.67E-07	1.56E-07	1.82E-03	5.76E-07	2.44E-07
4898	482863.09, 3862377.25	1.12E-03	3.53E-07	1.50E-07	1.21E-03	3.80E-07	1.61E-07	1.89E-03	5.97E-07	2.54E-07
4899	483363.09, 3862377.25	1.15E-03	3.63E-07	1.54E-07	1.24E-03	3.92E-07	1.66E-07	1.95E-03	6.15E-07	2.61E-07
4900	483863.09, 3862377.25	1.17E-03	3.69E-07	1.56E-07	1.26E-03	3.97E-07	1.68E-07	1.97E-03	6.22E-07	2.64E-07
4901	484363.09, 3862377.25	1.19E-03	3.75E-07	1.59E-07	1.28E-03	4.04E-07	1.71E-07	2.00E-03	6.32E-07	2.68E-07
4902	484863.09, 3862377.25	1.18E-03	3.74E-07	1.59E-07	1.28E-03	4.03E-07	1.71E-07	2.00E-03	6.30E-07	2.67E-07
4903	485363.09, 3862377.25	1.18E-03	3.72E-07	1.58E-07	1.27E-03	4.01E-07	1.70E-07	1.99E-03	6.27E-07	2.66E-07
4904	485863.09, 3862377.25	1.18E-03	3.71E-07	1.58E-07	1.27E-03	4.00E-07	1.70E-07	1.98E-03	6.25E-07	2.65E-07
4905	486363.09, 3862377.25	1.16E-03	3.66E-07	1.55E-07	1.25E-03	3.94E-07	1.67E-07	1.95E-03	6.15E-07	2.61E-07
4906	486863.09, 3862377.25	1.15E-03	3.61E-07	1.53E-07	1.23E-03	3.89E-07	1.65E-07	1.92E-03	6.07E-07	2.58E-07
4907	487363.09, 3862377.25	1.13E-03	3.58E-07	1.52E-07	1.22E-03	3.85E-07	1.63E-07	1.90E-03	6.01E-07	2.55E-07
4908	487863.09, 3862377.25	1.13E-03	3.58E-07	1.52E-07	1.22E-03	3.85E-07	1.64E-07	1.91E-03	6.03E-07	2.56E-07
4909	488363.09, 3862377.25	1.14E-03	3.58E-07	1.52E-07	1.22E-03	3.86E-07	1.64E-07	1.92E-03	6.05E-07	2.57E-07
4910	488863.09, 3862377.25	1.15E-03	3.61E-07	1.53E-07	1.23E-03	3.90E-07	1.65E-07	1.94E-03	6.12E-07	2.60E-07
4911	489363.09, 3862377.25	1.16E-03	3.65E-07	1.55E-07	1.25E-03	3.93E-07	1.67E-07	1.96E-03	6.18E-07	2.62E-07
4912	489863.09, 3862377.25	1.17E-03	3.69E-07	1.57E-07	1.26E-03	3.98E-07	1.69E-07	1.99E-03	6.27E-07	2.66E-07
4913	490363.09, 3862377.25	1.18E-03	3.74E-07	1.59E-07	1.28E-03	4.03E-07	1.71E-07	2.01E-03	6.36E-07	2.70E-07
4914	490863.09, 3862377.25	1.19E-03	3.76E-07	1.60E-07	1.28E-03	4.05E-07	1.72E-07	2.03E-03	6.40E-07	2.72E-07
4915	491363.09, 3862377.25	1.21E-03	3.82E-07	1.62E-07	1.31E-03	4.12E-07	1.75E-07	2.06E-03	6.52E-07	2.76E-07
4916	491863.09, 3862377.25	1.22E-03	3.86E-07	1.64E-07	1.32E-03	4.16E-07	1.77E-07	2.09E-03	6.59E-07	2.80E-07
4917	492363.09, 3862377.25	1.20E-03	3.79E-07	1.61E-07	1.30E-03	4.09E-07	1.74E-07	2.06E-03	6.49E-07	2.75E-07
4918	492863.09, 3862377.25	1.15E-03	3.62E-07	1.54E-07	1.24E-03	3.91E-07	1.66E-07	1.96E-03	6.19E-07	2.63E-07
4919	493363.09, 3862377.25	1.11E-03	3.49E-07	1.48E-07	1.19E-03	3.77E-07	1.60E-07	1.89E-03	5.97E-07	2.53E-07
4920	493863.09, 3862377.25	1.09E-03	3.44E-07	1.46E-07	1.18E-03	3.71E-07	1.58E-07	1.87E-03	5.89E-07	2.50E-07
4921	494363.09, 3862377.25	1.09E-03	3.46E-07	1.47E-07	1.18E-03	3.73E-07	1.58E-07	1.88E-03	5.92E-07	2.51E-07
4922	494863.09, 3862377.25	1.12E-03	3.53E-07	1.50E-07	1.21E-03	3.81E-07	1.62E-07	1.92E-03	6.06E-07	2.57E-07
4923	495363.09, 3862377.25	1.14E-03	3.61E-07	1.53E-07	1.23E-03	3.89E-07	1.65E-07	1.96E-03	6.19E-07	2.63E-07
4924	495863.09, 3862377.25	1.16E-03	3.68E-07	1.56E-07	1.26E-03	3.97E-07	1.68E-07	2.00E-03	6.32E-07	2.68E-07
4925	496363.09, 3862377.25	1.17E-03	3.70E-07	1.57E-07	1.27E-03	3.99E-07	1.69E-07	2.02E-03	6.36E-07	2.70E-07
4926	496863.09, 3862377.25	1.18E-03	3.72E-07	1.58E-07	1.27E-03	4.02E-07	1.70E-07	2.03E-03	6.40E-07	2.72E-07
4927	497363.09, 3862377.25	1.16E-03	3.65E-07	1.55E-07	1.25E-03	3.94E-07	1.67E-07	1.99E-03	6.28E-07	2.67E-07
4928	497863.09, 3862377.25	1.13E-03	3.57E-07	1.52E-07	1.22E-03	3.86E-07	1.64E-07	1.95E-03	6.16E-07	2.62E-07
4929	498363.09, 3862377.25	1.10E-03	3.48E-07	1.48E-07	1.19E-03	3.76E-07	1.60E-07	1.90E-03	6.01E-07	2.55E-07
4930	471363.09, 3862877.25	4.03E-04	1.27E-07	5.40E-08	4.35E-04	1.37E-07	5.83E-08	6.89E-04	2.17E-07	9.23E-08
4931	471863.09, 3862877.25	4.19E-04	1.32E-07	5.61E-08	4.52E-04	1.43E-07	6.05E-08	7.15E-04	2.26E-07	9.57E-08
4932	472363.09, 3862877.25	4.35E-04	1.37E-07	5.82E-08	4.69E-04	1.48E-07	6.28E-08	7.41E-04	2.34E-07	9.93E-08
4933	472863.09, 3862877.25	4.51E-04	1.42E-07	6.03E-08	4.86E-04	1.53E-07	6.51E-08	7.69E-04	2.43E-07	1.03E-07
4934	473363.09, 3862877.25	4.69E-04	1.48E-07	6.27E-08	5.05E-04	1.60E-07	6.77E-08	7.99E-04	2.52E-07	1.07E-07
4935	473863.09, 3862877.25	4.85E-04	1.53E-07	6.50E-08	5.23E-04	1.65E-07	7.01E-08	8.27E-04	2.61E-07	1.11E-07
4936	474363.09, 3862877.25	5.00E-04	1.58E-07	6.70E-08	5.40E-04	1.70E-07	7.23E-08	8.53E-04	2.69E-07	1.14E-07
4937	474863.09, 3862877.25	5.18E-04	1.64E-07	6.94E-08	5.59E-04	1.76E-07	7.48E-08	8.83E-04	2.79E-07	1.18E-07

4938	475363.09, 3862877.25	5.41E-04	1.71E-07	7.25E-08	5.84E-04	1.84E-07	7.82E-08	9.22E-04	2.91E-07	1.24E-07
4939	475863.09, 3862877.25	5.63E-04	1.78E-07	7.55E-08	6.08E-04	1.92E-07	8.14E-08	9.60E-04	3.03E-07	1.29E-07
4940	476363.09, 3862877.25	5.86E-04	1.85E-07	7.85E-08	6.33E-04	2.00E-07	8.47E-08	9.99E-04	3.15E-07	1.34E-07
4941	476863.09, 3862877.25	6.07E-04	1.92E-07	8.13E-08	6.55E-04	2.07E-07	8.77E-08	1.03E-03	3.26E-07	1.38E-07
4942	477363.09, 3862877.25	6.29E-04	1.98E-07	8.42E-08	6.78E-04	2.14E-07	9.08E-08	1.07E-03	3.38E-07	1.43E-07
4943	477863.09, 3862877.25	6.27E-04	1.98E-07	8.40E-08	6.76E-04	2.13E-07	9.06E-08	1.07E-03	3.38E-07	1.43E-07
4944	478363.09, 3862877.25	5.53E-04	1.74E-07	7.40E-08	5.97E-04	1.88E-07	7.99E-08	9.46E-04	2.98E-07	1.27E-07
4945	478863.09, 3862877.25	5.83E-04	1.84E-07	7.81E-08	6.29E-04	1.99E-07	8.42E-08	9.97E-04	3.15E-07	1.33E-07
4946	479363.09, 3862877.25	6.25E-04	1.97E-07	8.37E-08	6.75E-04	2.13E-07	9.04E-08	1.07E-03	3.37E-07	1.43E-07
4947	479863.09, 3862877.25	7.88E-04	2.49E-07	1.06E-07	8.50E-04	2.68E-07	1.14E-07	1.34E-03	4.22E-07	1.79E-07
4948	480363.09, 3862877.25	8.22E-04	2.60E-07	1.10E-07	8.86E-04	2.80E-07	1.19E-07	1.39E-03	4.40E-07	1.87E-07
4949	480863.09, 3862877.25	8.60E-04	2.71E-07	1.15E-07	9.27E-04	2.92E-07	1.24E-07	1.46E-03	4.60E-07	1.95E-07
4950	481363.09, 3862877.25	8.95E-04	2.82E-07	1.20E-07	9.64E-04	3.04E-07	1.29E-07	1.51E-03	4.78E-07	2.03E-07
4951	481863.09, 3862877.25	9.36E-04	2.95E-07	1.25E-07	1.01E-03	3.18E-07	1.35E-07	1.59E-03	5.00E-07	2.12E-07
4952	482363.09, 3862877.25	9.65E-04	3.05E-07	1.29E-07	1.04E-03	3.28E-07	1.39E-07	1.63E-03	5.15E-07	2.19E-07
4953	482863.09, 3862877.25	9.97E-04	3.15E-07	1.34E-07	1.07E-03	3.39E-07	1.44E-07	1.69E-03	5.32E-07	2.26E-07
4954	483363.09, 3862877.25	1.02E-03	3.22E-07	1.37E-07	1.10E-03	3.47E-07	1.47E-07	1.72E-03	5.44E-07	2.31E-07
4955	483863.09, 3862877.25	1.03E-03	3.25E-07	1.38E-07	1.11E-03	3.51E-07	1.49E-07	1.74E-03	5.49E-07	2.33E-07
4956	484363.09, 3862877.25	1.04E-03	3.27E-07	1.39E-07	1.12E-03	3.52E-07	1.50E-07	1.75E-03	5.52E-07	2.34E-07
4957	484863.09, 3862877.25	1.03E-03	3.24E-07	1.38E-07	1.11E-03	3.49E-07	1.48E-07	1.73E-03	5.46E-07	2.32E-07
4958	485363.09, 3862877.25	1.03E-03	3.24E-07	1.37E-07	1.10E-03	3.49E-07	1.48E-07	1.73E-03	5.45E-07	2.31E-07
4959	485863.09, 3862877.25	1.02E-03	3.21E-07	1.36E-07	1.09E-03	3.46E-07	1.47E-07	1.71E-03	5.40E-07	2.29E-07
4960	486363.09, 3862877.25	1.01E-03	3.20E-07	1.36E-07	1.09E-03	3.44E-07	1.46E-07	1.70E-03	5.37E-07	2.28E-07
4961	486863.09, 3862877.25	9.94E-04	3.14E-07	1.33E-07	1.07E-03	3.38E-07	1.43E-07	1.67E-03	5.27E-07	2.24E-07
4962	487363.09, 3862877.25	9.83E-04	3.10E-07	1.32E-07	1.06E-03	3.34E-07	1.42E-07	1.65E-03	5.21E-07	2.21E-07
4963	487863.09, 3862877.25	9.81E-04	3.10E-07	1.31E-07	1.06E-03	3.33E-07	1.41E-07	1.65E-03	5.21E-07	2.21E-07
4964	488363.09, 3862877.25	9.86E-04	3.11E-07	1.32E-07	1.06E-03	3.35E-07	1.42E-07	1.66E-03	5.25E-07	2.23E-07
4965	488863.09, 3862877.25	9.92E-04	3.13E-07	1.33E-07	1.07E-03	3.38E-07	1.43E-07	1.68E-03	5.30E-07	2.25E-07
4966	489363.09, 3862877.25	9.97E-04	3.15E-07	1.33E-07	1.07E-03	3.39E-07	1.44E-07	1.69E-03	5.33E-07	2.26E-07
4967	489863.09, 3862877.25	1.01E-03	3.18E-07	1.35E-07	1.09E-03	3.43E-07	1.45E-07	1.71E-03	5.39E-07	2.29E-07
4968	490363.09, 3862877.25	1.02E-03	3.22E-07	1.37E-07	1.10E-03	3.47E-07	1.47E-07	1.73E-03	5.47E-07	2.32E-07
4969	490863.09, 3862877.25	1.03E-03	3.24E-07	1.38E-07	1.11E-03	3.50E-07	1.48E-07	1.75E-03	5.52E-07	2.34E-07
4970	491363.09, 3862877.25	1.04E-03	3.29E-07	1.40E-07	1.12E-03	3.55E-07	1.51E-07	1.78E-03	5.60E-07	2.38E-07
4971	491863.09, 3862877.25	1.05E-03	3.31E-07	1.40E-07	1.13E-03	3.57E-07	1.52E-07	1.79E-03	5.65E-07	2.40E-07
4972	492363.09, 3862877.25	1.07E-03	3.37E-07	1.43E-07	1.15E-03	3.63E-07	1.54E-07	1.82E-03	5.76E-07	2.44E-07
4973	492863.09, 3862877.25	1.05E-03	3.32E-07	1.41E-07	1.13E-03	3.58E-07	1.52E-07	1.80E-03	5.68E-07	2.41E-07
4974	493363.09, 3862877.25	1.01E-03	3.19E-07	1.35E-07	1.09E-03	3.44E-07	1.46E-07	1.73E-03	5.45E-07	2.31E-07
4975	493863.09, 3862877.25	9.73E-04	3.07E-07	1.30E-07	1.05E-03	3.32E-07	1.41E-07	1.67E-03	5.26E-07	2.23E-07
4976	494363.09, 3862877.25	9.54E-04	3.01E-07	1.28E-07	1.03E-03	3.25E-07	1.38E-07	1.63E-03	5.15E-07	2.19E-07
4977	494863.09, 3862877.25	9.44E-04	2.98E-07	1.26E-07	1.02E-03	3.21E-07	1.36E-07	1.62E-03	5.10E-07	2.17E-07
4978	495363.09, 3862877.25	9.52E-04	3.00E-07	1.27E-07	1.03E-03	3.24E-07	1.38E-07	1.63E-03	5.15E-07	2.19E-07
4979	495863.09, 3862877.25	9.73E-04	3.07E-07	1.30E-07	1.05E-03	3.32E-07	1.41E-07	1.67E-03	5.27E-07	2.24E-07
4980	496363.09, 3862877.25	9.98E-04	3.15E-07	1.34E-07	1.08E-03	3.40E-07	1.44E-07	1.72E-03	5.41E-07	2.30E-07
4981	496863.09, 3862877.25	1.02E-03	3.20E-07	1.36E-07	1.10E-03	3.46E-07	1.47E-07	1.75E-03	5.51E-07	2.34E-07
4982	497363.09, 3862877.25	1.02E-03	3.21E-07	1.36E-07	1.10E-03	3.47E-07	1.47E-07	1.75E-03	5.53E-07	2.35E-07
4983	497863.09, 3862877.25	1.01E-03	3.19E-07	1.35E-07	1.09E-03	3.44E-07	1.46E-07	1.74E-03	5.49E-07	2.33E-07
4984	498363.09, 3862877.25	9.99E-04	3.15E-07	1.34E-07	1.08E-03	3.41E-07	1.45E-07	1.72E-03	5.44E-07	2.31E-07
4985	471363.09, 3863377.25	3.89E-04	1.23E-07	5.21E-08	4.20E-04	1.33E-07	5.63E-08	6.65E-04	2.10E-07	8.90E-08
4986	471863.09, 3863377.25	4.03E-04	1.27E-07	5.39E-08	4.34E-04	1.37E-07	5.82E-08	6.87E-04	2.17E-07	9.20E-08
4987	472363.09, 3863377.25	4.16E-04	1.31E-07	5.58E-08	4.49E-04	1.42E-07	6.02E-08	7.10E-04	2.24E-07	9.51E-08
4988	472863.09, 3863377.25	4.30E-04	1.36E-07	5.76E-08	4.64E-04	1.46E-07	6.21E-08	7.33E-04	2.31E-07	9.82E-08
4989	473363.09, 3863377.25	4.44E-04	1.40E-07	5.95E-08	4.79E-04	1.51E-07	6.42E-08	7.57E-04	2.39E-07	1.01E-07
4990	473863.09, 3863377.25	4.59E-04	1.45E-07	6.14E-08	4.95E-04	1.56E-07	6.62E-08	7.81E-04	2.47E-07	1.05E-07
4991	474363.09, 3863377.25	4.74E-04	1.50E-07	6.34E-08	5.11E-04	1.61E-07	6.84E-08	8.07E-04	2.55E-07	1.08E-07
4992	474863.09, 3863377.25	4.91E-04	1.55E-07	6.57E-08	5.29E-04	1.67E-07	7.09E-08	8.35E-04	2.64E-07	1.12E-07
4993	475363.09, 3863377.25	5.09E-04	1.61E-07	6.81E-08	5.49E-04	1.73E-07	7.35E-08	8.66E-04	2.73E-07	1.16E-07
4994	475863.09, 3863377.25	5.28E-04	1.67E-07	7.07E-08	5.70E-04	1.80E-07	7.63E-08	8.99E-04	2.84E-07	1.20E-07
4995	476363.09, 3863377.25	5.48E-04	1.73E-07	7.34E-08	5.91E-04	1.87E-07	7.92E-08	9.32E-04	2.94E-07	1.25E-07
4996	476863.09, 3863377.25	5.69E-04	1.80E-07	7.62E-08	6.14E-04	1.94E-07	8.22E-08	9.68E-04	3.05E-07	1.30E-07
4997	477363.09, 3863377.25	5.91E-04	1.86E-07	7.91E-08	6.37E-04	2.01E-07	8.53E-08	1.00E-03	3.17E-07	1.34E-07
4998	477863.09, 3863377.25	6.06E-04	1.91E-07	8.11E-08	6.53E-04	2.06E-07	8.75E-08	1.03E-03	3.25E-07	1.38E-07

4999	478363.09, 3863377.25	6.02E-04	1.90E-07	8.06E-08	6.50E-04	2.05E-07	8.70E-08	1.03E-03	3.24E-07	1.37E-07
5000	478863.09, 3863377.25	6.39E-04	2.02E-07	8.56E-08	6.90E-04	2.18E-07	9.23E-08	1.09E-03	3.43E-07	1.46E-07
5001	479363.09, 3863377.25	6.89E-04	2.17E-07	9.22E-08	7.43E-04	2.34E-07	9.94E-08	1.17E-03	3.69E-07	1.56E-07
5002	479863.09, 3863377.25	7.24E-04	2.28E-07	9.69E-08	7.80E-04	2.46E-07	1.04E-07	1.23E-03	3.87E-07	1.64E-07
5003	480363.09, 3863377.25	7.52E-04	2.37E-07	1.01E-07	8.11E-04	2.56E-07	1.09E-07	1.27E-03	4.02E-07	1.71E-07
5004	480863.09, 3863377.25	7.85E-04	2.48E-07	1.05E-07	8.46E-04	2.67E-07	1.13E-07	1.33E-03	4.19E-07	1.78E-07
5005	481363.09, 3863377.25	8.12E-04	2.56E-07	1.09E-07	8.75E-04	2.76E-07	1.17E-07	1.38E-03	4.34E-07	1.84E-07
5006	481863.09, 3863377.25	8.42E-04	2.66E-07	1.13E-07	9.07E-04	2.86E-07	1.21E-07	1.42E-03	4.49E-07	1.91E-07
5007	482363.09, 3863377.25	8.69E-04	2.74E-07	1.16E-07	9.36E-04	2.96E-07	1.25E-07	1.47E-03	4.64E-07	1.97E-07
5008	482863.09, 3863377.25	8.91E-04	2.81E-07	1.19E-07	9.60E-04	3.03E-07	1.29E-07	1.51E-03	4.76E-07	2.02E-07
5009	483363.09, 3863377.25	9.07E-04	2.86E-07	1.21E-07	9.78E-04	3.09E-07	1.31E-07	1.53E-03	4.84E-07	2.05E-07
5010	483863.09, 3863377.25	9.12E-04	2.88E-07	1.22E-07	9.83E-04	3.10E-07	1.32E-07	1.54E-03	4.86E-07	2.06E-07
5011	484363.09, 3863377.25	9.08E-04	2.87E-07	1.22E-07	9.79E-04	3.09E-07	1.31E-07	1.53E-03	4.83E-07	2.05E-07
5012	484863.09, 3863377.25	9.06E-04	2.86E-07	1.21E-07	9.76E-04	3.08E-07	1.31E-07	1.52E-03	4.81E-07	2.04E-07
5013	485363.09, 3863377.25	8.97E-04	2.83E-07	1.20E-07	9.66E-04	3.05E-07	1.29E-07	1.51E-03	4.76E-07	2.02E-07
5014	485863.09, 3863377.25	8.91E-04	2.81E-07	1.19E-07	9.60E-04	3.03E-07	1.29E-07	1.50E-03	4.73E-07	2.01E-07
5015	486363.09, 3863377.25	8.87E-04	2.80E-07	1.19E-07	9.56E-04	3.02E-07	1.28E-07	1.49E-03	4.71E-07	2.00E-07
5016	486863.09, 3863377.25	8.77E-04	2.77E-07	1.17E-07	9.44E-04	2.98E-07	1.26E-07	1.47E-03	4.65E-07	1.97E-07
5017	487363.09, 3863377.25	8.66E-04	2.73E-07	1.16E-07	9.32E-04	2.94E-07	1.25E-07	1.45E-03	4.59E-07	1.95E-07
5018	487863.09, 3863377.25	8.61E-04	2.72E-07	1.15E-07	9.27E-04	2.93E-07	1.24E-07	1.45E-03	4.57E-07	1.94E-07
5019	488363.09, 3863377.25	8.63E-04	2.72E-07	1.16E-07	9.30E-04	2.94E-07	1.25E-07	1.46E-03	4.59E-07	1.95E-07
5020	488863.09, 3863377.25	8.70E-04	2.75E-07	1.17E-07	9.38E-04	2.96E-07	1.26E-07	1.47E-03	4.64E-07	1.97E-07
5021	489363.09, 3863377.25	8.72E-04	2.75E-07	1.17E-07	9.39E-04	2.97E-07	1.26E-07	1.48E-03	4.66E-07	1.98E-07
5022	489863.09, 3863377.25	8.76E-04	2.77E-07	1.17E-07	9.45E-04	2.98E-07	1.27E-07	1.49E-03	4.69E-07	1.99E-07
5023	490363.09, 3863377.25	8.88E-04	2.80E-07	1.19E-07	9.57E-04	3.02E-07	1.28E-07	1.51E-03	4.76E-07	2.02E-07
5024	490863.09, 3863377.25	9.02E-04	2.85E-07	1.21E-07	9.72E-04	3.07E-07	1.30E-07	1.53E-03	4.84E-07	2.05E-07
5025	491363.09, 3863377.25	9.02E-04	2.85E-07	1.21E-07	9.73E-04	3.07E-07	1.30E-07	1.54E-03	4.85E-07	2.06E-07
5026	491863.09, 3863377.25	9.07E-04	2.86E-07	1.21E-07	9.78E-04	3.09E-07	1.31E-07	1.55E-03	4.88E-07	2.07E-07
5027	492363.09, 3863377.25	9.32E-04	2.94E-07	1.25E-07	1.01E-03	3.17E-07	1.35E-07	1.59E-03	5.02E-07	2.13E-07
5028	492863.09, 3863377.25	9.65E-04	3.05E-07	1.29E-07	1.04E-03	3.29E-07	1.39E-07	1.65E-03	5.21E-07	2.21E-07
5029	493363.09, 3863377.25	9.65E-04	3.05E-07	1.29E-07	1.04E-03	3.29E-07	1.40E-07	1.65E-03	5.22E-07	2.21E-07
5030	493863.09, 3863377.25	9.26E-04	2.92E-07	1.24E-07	9.99E-04	3.15E-07	1.34E-07	1.59E-03	5.00E-07	2.12E-07
5031	494363.09, 3863377.25	8.80E-04	2.78E-07	1.18E-07	9.50E-04	3.00E-07	1.27E-07	1.51E-03	4.75E-07	2.02E-07
5032	494863.09, 3863377.25	8.60E-04	2.72E-07	1.15E-07	9.29E-04	2.93E-07	1.24E-07	1.47E-03	4.65E-07	1.97E-07
5033	495363.09, 3863377.25	8.59E-04	2.71E-07	1.15E-07	9.27E-04	2.93E-07	1.24E-07	1.47E-03	4.65E-07	1.97E-07
5034	495863.09, 3863377.25	8.65E-04	2.73E-07	1.16E-07	9.34E-04	2.95E-07	1.25E-07	1.48E-03	4.68E-07	1.99E-07
5035	496363.09, 3863377.25	8.54E-04	2.70E-07	1.14E-07	9.22E-04	2.91E-07	1.23E-07	1.47E-03	4.63E-07	1.96E-07
5036	496863.09, 3863377.25	8.57E-04	2.71E-07	1.15E-07	9.26E-04	2.92E-07	1.24E-07	1.47E-03	4.65E-07	1.97E-07
5037	497363.09, 3863377.25	8.77E-04	2.77E-07	1.17E-07	9.47E-04	2.99E-07	1.27E-07	1.51E-03	4.76E-07	2.02E-07
5038	497863.09, 3863377.25	8.92E-04	2.82E-07	1.19E-07	9.64E-04	3.04E-07	1.29E-07	1.54E-03	4.85E-07	2.06E-07
5039	498363.09, 3863377.25	8.95E-04	2.83E-07	1.20E-07	9.67E-04	3.05E-07	1.30E-07	1.54E-03	4.87E-07	2.07E-07
5040	471363.09, 3863877.25	3.73E-04	1.18E-07	4.99E-08	4.02E-04	1.27E-07	5.39E-08	6.36E-04	2.01E-07	8.52E-08
5041	471863.09, 3863877.25	3.84E-04	1.21E-07	5.14E-08	4.14E-04	1.31E-07	5.55E-08	6.55E-04	2.07E-07	8.77E-08
5042	472363.09, 3863877.25	3.96E-04	1.25E-07	5.30E-08	4.27E-04	1.35E-07	5.72E-08	6.75E-04	2.13E-07	9.04E-08
5043	472863.09, 3863877.25	4.08E-04	1.29E-07	5.46E-08	4.40E-04	1.39E-07	5.89E-08	6.95E-04	2.19E-07	9.30E-08
5044	473363.09, 3863877.25	4.20E-04	1.32E-07	5.62E-08	4.53E-04	1.43E-07	6.06E-08	7.14E-04	2.26E-07	9.57E-08
5045	473863.09, 3863877.25	4.33E-04	1.37E-07	5.79E-08	4.66E-04	1.47E-07	6.25E-08	7.36E-04	2.32E-07	9.86E-08
5046	474363.09, 3863877.25	4.46E-04	1.41E-07	5.97E-08	4.81E-04	1.52E-07	6.44E-08	7.59E-04	2.40E-07	1.02E-07
5047	474863.09, 3863877.25	4.60E-04	1.45E-07	6.16E-08	4.96E-04	1.57E-07	6.65E-08	7.83E-04	2.47E-07	1.05E-07
5048	475363.09, 3863877.25	4.77E-04	1.51E-07	6.39E-08	5.14E-04	1.62E-07	6.89E-08	8.11E-04	2.56E-07	1.09E-07
5049	475863.09, 3863877.25	4.93E-04	1.56E-07	6.60E-08	5.31E-04	1.68E-07	7.12E-08	8.37E-04	2.64E-07	1.12E-07
5050	476363.09, 3863877.25	5.10E-04	1.61E-07	6.83E-08	5.50E-04	1.74E-07	7.37E-08	8.66E-04	2.73E-07	1.16E-07
5051	476863.09, 3863877.25	5.29E-04	1.67E-07	7.08E-08	5.70E-04	1.80E-07	7.63E-08	8.97E-04	2.83E-07	1.20E-07
5052	477363.09, 3863877.25	5.49E-04	1.73E-07	7.36E-08	5.92E-04	1.87E-07	7.93E-08	9.32E-04	2.94E-07	1.25E-07
5053	477863.09, 3863877.25	5.71E-04	1.80E-07	7.64E-08	6.15E-04	1.94E-07	8.24E-08	9.69E-04	3.06E-07	1.30E-07
5054	478363.09, 3863877.25	5.82E-04	1.84E-07	7.79E-08	6.27E-04	1.98E-07	8.40E-08	9.88E-04	3.12E-07	1.32E-07
5055	478863.09, 3863877.25	6.21E-04	1.96E-07	8.32E-08	6.70E-04	2.11E-07	8.97E-08	1.05E-03	3.33E-07	1.41E-07
5056	479363.09, 3863877.25	6.46E-04	2.04E-07	8.65E-08	6.96E-04	2.20E-07	9.32E-08	1.09E-03	3.45E-07	1.46E-07
5057	479863.09, 3863877.25	6.67E-04	2.11E-07	8.94E-08	7.19E-04	2.27E-07	9.63E-08	1.13E-03	3.57E-07	1.51E-07
5058	480363.09, 3863877.25	6.91E-04	2.18E-07	9.26E-08	7.45E-04	2.35E-07	9.98E-08	1.17E-03	3.69E-07	1.57E-07
5059	480863.09, 3863877.25	7.18E-04	2.27E-07	9.62E-08	7.74E-04	2.44E-07	1.04E-07	1.22E-03	3.84E-07	1.63E-07

5060	481363.09, 3863877.25	7.42E-04	2.34E-07	9.93E-08	7.99E-04	2.52E-07	1.07E-07	1.26E-03	3.96E-07	1.68E-07
5061	481863.09, 3863877.25	7.64E-04	2.41E-07	1.02E-07	8.23E-04	2.60E-07	1.10E-07	1.29E-03	4.08E-07	1.73E-07
5062	482363.09, 3863877.25	7.87E-04	2.48E-07	1.05E-07	8.48E-04	2.68E-07	1.14E-07	1.33E-03	4.20E-07	1.78E-07
5063	482863.09, 3863877.25	8.02E-04	2.53E-07	1.07E-07	8.64E-04	2.73E-07	1.16E-07	1.36E-03	4.28E-07	1.82E-07
5064	483363.09, 3863877.25	8.10E-04	2.56E-07	1.09E-07	8.73E-04	2.76E-07	1.17E-07	1.37E-03	4.32E-07	1.83E-07
5065	483863.09, 3863877.25	8.12E-04	2.56E-07	1.09E-07	8.75E-04	2.76E-07	1.17E-07	1.37E-03	4.32E-07	1.83E-07
5066	484363.09, 3863877.25	8.06E-04	2.54E-07	1.08E-07	8.68E-04	2.74E-07	1.16E-07	1.36E-03	4.28E-07	1.82E-07
5067	484863.09, 3863877.25	8.01E-04	2.53E-07	1.07E-07	8.62E-04	2.72E-07	1.15E-07	1.35E-03	4.25E-07	1.80E-07
5068	485363.09, 3863877.25	7.94E-04	2.51E-07	1.06E-07	8.55E-04	2.70E-07	1.14E-07	1.33E-03	4.21E-07	1.79E-07
5069	485863.09, 3863877.25	7.93E-04	2.50E-07	1.06E-07	8.53E-04	2.69E-07	1.14E-07	1.33E-03	4.20E-07	1.78E-07
5070	486363.09, 3863877.25	7.86E-04	2.48E-07	1.05E-07	8.46E-04	2.67E-07	1.13E-07	1.32E-03	4.17E-07	1.77E-07
5071	486863.09, 3863877.25	7.77E-04	2.45E-07	1.04E-07	8.36E-04	2.64E-07	1.12E-07	1.30E-03	4.12E-07	1.75E-07
5072	487363.09, 3863877.25	7.69E-04	2.43E-07	1.03E-07	8.27E-04	2.61E-07	1.11E-07	1.29E-03	4.07E-07	1.73E-07
5073	487863.09, 3863877.25	7.63E-04	2.41E-07	1.02E-07	8.22E-04	2.59E-07	1.10E-07	1.28E-03	4.05E-07	1.72E-07
5074	488363.09, 3863877.25	7.65E-04	2.41E-07	1.02E-07	8.24E-04	2.60E-07	1.10E-07	1.29E-03	4.07E-07	1.73E-07
5075	488863.09, 3863877.25	7.71E-04	2.43E-07	1.03E-07	8.30E-04	2.62E-07	1.11E-07	1.30E-03	4.11E-07	1.74E-07
5076	489363.09, 3863877.25	7.73E-04	2.44E-07	1.03E-07	8.33E-04	2.63E-07	1.12E-07	1.31E-03	4.13E-07	1.75E-07
5077	489863.09, 3863877.25	7.75E-04	2.45E-07	1.04E-07	8.35E-04	2.64E-07	1.12E-07	1.31E-03	4.14E-07	1.76E-07
5078	490363.09, 3863877.25	7.82E-04	2.47E-07	1.05E-07	8.43E-04	2.66E-07	1.13E-07	1.33E-03	4.19E-07	1.78E-07
5079	490863.09, 3863877.25	7.93E-04	2.50E-07	1.06E-07	8.55E-04	2.70E-07	1.14E-07	1.35E-03	4.25E-07	1.80E-07
5080	491363.09, 3863877.25	8.00E-04	2.53E-07	1.07E-07	8.63E-04	2.72E-07	1.16E-07	1.36E-03	4.30E-07	1.82E-07
5081	491863.09, 3863877.25	8.20E-04	2.59E-07	1.10E-07	8.85E-04	2.79E-07	1.19E-07	1.40E-03	4.41E-07	1.87E-07
5082	492363.09, 3863877.25	8.37E-04	2.64E-07	1.12E-07	9.03E-04	2.85E-07	1.21E-07	1.43E-03	4.51E-07	1.91E-07
5083	492863.09, 3863877.25	8.43E-04	2.66E-07	1.13E-07	9.09E-04	2.87E-07	1.22E-07	1.44E-03	4.54E-07	1.93E-07
5084	493363.09, 3863877.25	8.75E-04	2.76E-07	1.17E-07	9.44E-04	2.98E-07	1.26E-07	1.50E-03	4.72E-07	2.00E-07
5085	493863.09, 3863877.25	8.67E-04	2.74E-07	1.16E-07	9.35E-04	2.95E-07	1.25E-07	1.48E-03	4.68E-07	1.99E-07
5086	494363.09, 3863877.25	8.32E-04	2.63E-07	1.11E-07	8.98E-04	2.83E-07	1.20E-07	1.43E-03	4.50E-07	1.91E-07
5087	494863.09, 3863877.25	7.94E-04	2.51E-07	1.06E-07	8.57E-04	2.71E-07	1.15E-07	1.36E-03	4.29E-07	1.82E-07
5088	495363.09, 3863877.25	7.72E-04	2.44E-07	1.03E-07	8.33E-04	2.63E-07	1.12E-07	1.32E-03	4.17E-07	1.77E-07
5089	495863.09, 3863877.25	7.64E-04	2.41E-07	1.02E-07	8.25E-04	2.60E-07	1.10E-07	1.31E-03	4.13E-07	1.75E-07
5090	496363.09, 3863877.25	7.57E-04	2.39E-07	1.01E-07	8.17E-04	2.58E-07	1.09E-07	1.30E-03	4.10E-07	1.74E-07
5091	496863.09, 3863877.25	7.55E-04	2.38E-07	1.01E-07	8.15E-04	2.57E-07	1.09E-07	1.30E-03	4.09E-07	1.74E-07
5092	497363.09, 3863877.25	7.60E-04	2.40E-07	1.02E-07	8.21E-04	2.59E-07	1.10E-07	1.31E-03	4.12E-07	1.75E-07
5093	497863.09, 3863877.25	7.75E-04	2.45E-07	1.04E-07	8.37E-04	2.64E-07	1.12E-07	1.33E-03	4.21E-07	1.78E-07
5094	498363.09, 3863877.25	7.87E-04	2.48E-07	1.05E-07	8.50E-04	2.68E-07	1.14E-07	1.35E-03	4.28E-07	1.81E-07
5095	471363.09, 3864377.25	3.56E-04	1.12E-07	4.76E-08	3.84E-04	1.21E-07	5.14E-08	6.06E-04	1.91E-07	8.12E-08
5096	471863.09, 3864377.25	3.66E-04	1.15E-07	4.90E-08	3.94E-04	1.24E-07	5.28E-08	6.23E-04	1.97E-07	8.35E-08
5097	472363.09, 3864377.25	3.76E-04	1.19E-07	5.03E-08	4.05E-04	1.28E-07	5.42E-08	6.40E-04	2.02E-07	8.57E-08
5098	472863.09, 3864377.25	3.86E-04	1.22E-07	5.17E-08	4.16E-04	1.31E-07	5.57E-08	6.57E-04	2.07E-07	8.80E-08
5099	473363.09, 3864377.25	3.96E-04	1.25E-07	5.30E-08	4.27E-04	1.35E-07	5.72E-08	6.74E-04	2.13E-07	9.02E-08
5100	473863.09, 3864377.25	4.07E-04	1.28E-07	5.45E-08	4.39E-04	1.38E-07	5.87E-08	6.92E-04	2.18E-07	9.26E-08
5101	474363.09, 3864377.25	4.19E-04	1.32E-07	5.62E-08	4.52E-04	1.43E-07	6.06E-08	7.13E-04	2.25E-07	9.55E-08
5102	474863.09, 3864377.25	4.32E-04	1.36E-07	5.78E-08	4.65E-04	1.47E-07	6.23E-08	7.33E-04	2.31E-07	9.82E-08
5103	475363.09, 3864377.25	4.46E-04	1.41E-07	5.97E-08	4.80E-04	1.52E-07	6.43E-08	7.56E-04	2.39E-07	1.01E-07
5104	475863.09, 3864377.25	4.59E-04	1.45E-07	6.15E-08	4.95E-04	1.56E-07	6.63E-08	7.79E-04	2.46E-07	1.04E-07
5105	476363.09, 3864377.25	4.75E-04	1.50E-07	6.36E-08	5.12E-04	1.62E-07	6.86E-08	8.05E-04	2.54E-07	1.08E-07
5106	476863.09, 3864377.25	4.93E-04	1.56E-07	6.60E-08	5.31E-04	1.68E-07	7.12E-08	8.35E-04	2.64E-07	1.12E-07
5107	477363.09, 3864377.25	5.12E-04	1.62E-07	6.86E-08	5.52E-04	1.74E-07	7.39E-08	8.68E-04	2.74E-07	1.16E-07
5108	477863.09, 3864377.25	5.34E-04	1.69E-07	7.15E-08	5.75E-04	1.82E-07	7.71E-08	9.04E-04	2.85E-07	1.21E-07
5109	478363.09, 3864377.25	5.56E-04	1.76E-07	7.45E-08	6.00E-04	1.89E-07	8.03E-08	9.43E-04	2.97E-07	1.26E-07
5110	478863.09, 3864377.25	5.78E-04	1.82E-07	7.74E-08	6.23E-04	1.97E-07	8.34E-08	9.79E-04	3.09E-07	1.31E-07
5111	479363.09, 3864377.25	5.96E-04	1.88E-07	7.98E-08	6.42E-04	2.03E-07	8.60E-08	1.01E-03	3.18E-07	1.35E-07
5112	479863.09, 3864377.25	6.16E-04	1.95E-07	8.25E-08	6.64E-04	2.10E-07	8.89E-08	1.04E-03	3.29E-07	1.40E-07
5113	480363.09, 3864377.25	6.39E-04	2.02E-07	8.56E-08	6.89E-04	2.17E-07	9.23E-08	1.08E-03	3.42E-07	1.45E-07
5114	480863.09, 3864377.25	6.58E-04	2.08E-07	8.82E-08	7.10E-04	2.24E-07	9.50E-08	1.11E-03	3.52E-07	1.49E-07
5115	481363.09, 3864377.25	6.78E-04	2.14E-07	9.07E-08	7.30E-04	2.30E-07	9.78E-08	1.15E-03	3.62E-07	1.53E-07
5116	481863.09, 3864377.25	6.96E-04	2.20E-07	9.32E-08	7.50E-04	2.37E-07	1.00E-07	1.18E-03	3.72E-07	1.58E-07
5117	482363.09, 3864377.25	7.13E-04	2.25E-07	9.54E-08	7.68E-04	2.42E-07	1.03E-07	1.20E-03	3.80E-07	1.61E-07
5118	482863.09, 3864377.25	7.24E-04	2.28E-07	9.69E-08	7.80E-04	2.46E-07	1.04E-07	1.22E-03	3.86E-07	1.64E-07
5119	483363.09, 3864377.25	7.27E-04	2.29E-07	9.74E-08	7.83E-04	2.47E-07	1.05E-07	1.23E-03	3.87E-07	1.64E-07
5120	483863.09, 3864377.25	7.25E-04	2.29E-07	9.71E-08	7.81E-04	2.46E-07	1.05E-07	1.22E-03	3.85E-07	1.64E-07

5121	484363.09, 3864377.25	7.20E-04	2.27E-07	9.64E-08	7.76E-04	2.45E-07	1.04E-07	1.21E-03	3.82E-07	1.62E-07
5122	484863.09, 3864377.25	7.12E-04	2.25E-07	9.54E-08	7.67E-04	2.42E-07	1.03E-07	1.20E-03	3.78E-07	1.60E-07
5123	485363.09, 3864377.25	7.06E-04	2.23E-07	9.46E-08	7.61E-04	2.40E-07	1.02E-07	1.19E-03	3.74E-07	1.59E-07
5124	485863.09, 3864377.25	7.05E-04	2.22E-07	9.44E-08	7.59E-04	2.39E-07	1.02E-07	1.18E-03	3.73E-07	1.58E-07
5125	486363.09, 3864377.25	7.02E-04	2.21E-07	9.40E-08	7.56E-04	2.38E-07	1.01E-07	1.18E-03	3.72E-07	1.58E-07
5126	486863.09, 3864377.25	6.94E-04	2.19E-07	9.30E-08	7.48E-04	2.36E-07	1.00E-07	1.16E-03	3.68E-07	1.56E-07
5127	487363.09, 3864377.25	6.89E-04	2.18E-07	9.23E-08	7.42E-04	2.34E-07	9.94E-08	1.16E-03	3.65E-07	1.55E-07
5128	487863.09, 3864377.25	6.85E-04	2.16E-07	9.17E-08	7.38E-04	2.33E-07	9.88E-08	1.15E-03	3.63E-07	1.54E-07
5129	488363.09, 3864377.25	6.84E-04	2.16E-07	9.15E-08	7.36E-04	2.32E-07	9.86E-08	1.15E-03	3.63E-07	1.54E-07
5130	488863.09, 3864377.25	6.89E-04	2.17E-07	9.23E-08	7.42E-04	2.34E-07	9.94E-08	1.16E-03	3.67E-07	1.56E-07
5131	489363.09, 3864377.25	6.92E-04	2.18E-07	9.26E-08	7.45E-04	2.35E-07	9.98E-08	1.17E-03	3.69E-07	1.57E-07
5132	489863.09, 3864377.25	6.93E-04	2.19E-07	9.28E-08	7.47E-04	2.36E-07	1.00E-07	1.17E-03	3.70E-07	1.57E-07
5133	490363.09, 3864377.25	6.97E-04	2.20E-07	9.34E-08	7.52E-04	2.37E-07	1.01E-07	1.18E-03	3.73E-07	1.58E-07
5134	490863.09, 3864377.25	7.09E-04	2.24E-07	9.50E-08	7.65E-04	2.41E-07	1.02E-07	1.20E-03	3.80E-07	1.61E-07
5135	491363.09, 3864377.25	7.39E-04	2.33E-07	9.90E-08	7.97E-04	2.52E-07	1.07E-07	1.26E-03	3.97E-07	1.68E-07
5136	491863.09, 3864377.25	4.54E-04	1.43E-07	6.08E-08	4.90E-04	1.55E-07	6.56E-08	7.75E-04	2.45E-07	1.04E-07
5137	492363.09, 3864377.25	6.92E-04	2.18E-07	9.27E-08	7.47E-04	2.36E-07	1.00E-07	1.18E-03	3.73E-07	1.58E-07
5138	492863.09, 3864377.25	5.25E-04	1.66E-07	7.03E-08	5.67E-04	1.79E-07	7.59E-08	9.00E-04	2.84E-07	1.20E-07
5139	493363.09, 3864377.25	6.90E-04	2.18E-07	9.24E-08	7.44E-04	2.35E-07	9.97E-08	1.18E-03	3.73E-07	1.58E-07
5140	493863.09, 3864377.25	7.75E-04	2.45E-07	1.04E-07	8.37E-04	2.64E-07	1.12E-07	1.33E-03	4.19E-07	1.78E-07
5141	494363.09, 3864377.25	7.85E-04	2.48E-07	1.05E-07	8.47E-04	2.67E-07	1.13E-07	1.34E-03	4.24E-07	1.80E-07
5142	494863.09, 3864377.25	7.51E-04	2.37E-07	1.01E-07	8.10E-04	2.56E-07	1.09E-07	1.29E-03	4.06E-07	1.72E-07
5143	495363.09, 3864377.25	7.17E-04	2.26E-07	9.60E-08	7.74E-04	2.44E-07	1.04E-07	1.23E-03	3.88E-07	1.64E-07
5144	495863.09, 3864377.25	6.94E-04	2.19E-07	9.29E-08	7.49E-04	2.36E-07	1.00E-07	1.19E-03	3.75E-07	1.59E-07
5145	496363.09, 3864377.25	6.83E-04	2.16E-07	9.15E-08	7.37E-04	2.33E-07	9.87E-08	1.17E-03	3.69E-07	1.57E-07
5146	496863.09, 3864377.25	6.79E-04	2.14E-07	9.09E-08	7.33E-04	2.31E-07	9.81E-08	1.16E-03	3.68E-07	1.56E-07
5147	497363.09, 3864377.25	6.76E-04	2.13E-07	9.05E-08	7.30E-04	2.30E-07	9.77E-08	1.16E-03	3.66E-07	1.55E-07
5148	497863.09, 3864377.25	6.86E-04	2.16E-07	9.18E-08	7.40E-04	2.34E-07	9.91E-08	1.18E-03	3.72E-07	1.58E-07
5149	498363.09, 3864377.25	6.89E-04	2.17E-07	9.22E-08	7.44E-04	2.35E-07	9.96E-08	1.18E-03	3.74E-07	1.59E-07
5150	471363.09, 3864877.25	3.39E-04	1.07E-07	4.54E-08	3.65E-04	1.15E-07	4.89E-08	5.77E-04	1.82E-07	7.73E-08
5151	471863.09, 3864877.25	3.47E-04	1.10E-07	4.65E-08	3.75E-04	1.18E-07	5.02E-08	5.91E-04	1.87E-07	7.92E-08
5152	472363.09, 3864877.25	3.55E-04	1.12E-07	4.76E-08	3.83E-04	1.21E-07	5.13E-08	6.05E-04	1.91E-07	8.10E-08
5153	472863.09, 3864877.25	3.64E-04	1.15E-07	4.87E-08	3.92E-04	1.24E-07	5.26E-08	6.19E-04	1.95E-07	8.29E-08
5154	473363.09, 3864877.25	3.73E-04	1.18E-07	4.99E-08	4.02E-04	1.27E-07	5.38E-08	6.33E-04	2.00E-07	8.48E-08
5155	473863.09, 3864877.25	3.82E-04	1.21E-07	5.11E-08	4.12E-04	1.30E-07	5.51E-08	6.49E-04	2.05E-07	8.69E-08
5156	474363.09, 3864877.25	3.93E-04	1.24E-07	5.26E-08	4.23E-04	1.34E-07	5.67E-08	6.67E-04	2.10E-07	8.93E-08
5157	474863.09, 3864877.25	4.04E-04	1.27E-07	5.41E-08	4.35E-04	1.37E-07	5.83E-08	6.85E-04	2.16E-07	9.17E-08
5158	475363.09, 3864877.25	4.16E-04	1.31E-07	5.57E-08	4.48E-04	1.41E-07	6.00E-08	7.05E-04	2.22E-07	9.44E-08
5159	475863.09, 3864877.25	4.29E-04	1.35E-07	5.74E-08	4.62E-04	1.46E-07	6.19E-08	7.26E-04	2.29E-07	9.72E-08
5160	476363.09, 3864877.25	4.44E-04	1.40E-07	5.95E-08	4.79E-04	1.51E-07	6.41E-08	7.52E-04	2.37E-07	1.01E-07
5161	476863.09, 3864877.25	4.63E-04	1.46E-07	6.20E-08	4.99E-04	1.57E-07	6.68E-08	7.84E-04	2.47E-07	1.05E-07
5162	477363.09, 3864877.25	4.81E-04	1.52E-07	6.45E-08	5.19E-04	1.64E-07	6.95E-08	8.15E-04	2.57E-07	1.09E-07
5163	477863.09, 3864877.25	5.01E-04	1.58E-07	6.71E-08	5.40E-04	1.71E-07	7.23E-08	8.49E-04	2.68E-07	1.14E-07
5164	478363.09, 3864877.25	5.20E-04	1.64E-07	6.96E-08	5.60E-04	1.77E-07	7.50E-08	8.80E-04	2.78E-07	1.18E-07
5165	478863.09, 3864877.25	5.36E-04	1.69E-07	7.18E-08	5.78E-04	1.82E-07	7.74E-08	9.08E-04	2.87E-07	1.22E-07
5166	479363.09, 3864877.25	5.53E-04	1.74E-07	7.40E-08	5.96E-04	1.88E-07	7.98E-08	9.35E-04	2.95E-07	1.25E-07
5167	479863.09, 3864877.25	5.69E-04	1.80E-07	7.63E-08	6.14E-04	1.94E-07	8.22E-08	9.64E-04	3.04E-07	1.29E-07
5168	480363.09, 3864877.25	5.90E-04	1.86E-07	7.90E-08	6.36E-04	2.01E-07	8.51E-08	9.98E-04	3.15E-07	1.34E-07
5169	480863.09, 3864877.25	6.06E-04	1.91E-07	8.12E-08	6.53E-04	2.06E-07	8.75E-08	1.03E-03	3.24E-07	1.37E-07
5170	481363.09, 3864877.25	6.22E-04	1.96E-07	8.32E-08	6.70E-04	2.11E-07	8.97E-08	1.05E-03	3.32E-07	1.41E-07
5171	481863.09, 3864877.25	6.35E-04	2.00E-07	8.50E-08	6.84E-04	2.16E-07	9.16E-08	1.07E-03	3.39E-07	1.44E-07
5172	482363.09, 3864877.25	6.47E-04	2.04E-07	8.66E-08	6.97E-04	2.20E-07	9.33E-08	1.09E-03	3.45E-07	1.46E-07
5173	482863.09, 3864877.25	6.55E-04	2.07E-07	8.77E-08	7.06E-04	2.23E-07	9.45E-08	1.11E-03	3.49E-07	1.48E-07
5174	483363.09, 3864877.25	6.57E-04	2.07E-07	8.80E-08	7.08E-04	2.23E-07	9.48E-08	1.11E-03	3.50E-07	1.48E-07
5175	483863.09, 3864877.25	6.52E-04	2.06E-07	8.74E-08	7.03E-04	2.22E-07	9.41E-08	1.10E-03	3.47E-07	1.47E-07
5176	484363.09, 3864877.25	6.47E-04	2.04E-07	8.67E-08	6.97E-04	2.20E-07	9.33E-08	1.09E-03	3.43E-07	1.46E-07
5177	484863.09, 3864877.25	6.40E-04	2.02E-07	8.58E-08	6.90E-04	2.18E-07	9.23E-08	1.08E-03	3.39E-07	1.44E-07
5178	485363.09, 3864877.25	6.37E-04	2.01E-07	8.53E-08	6.86E-04	2.16E-07	9.18E-08	1.07E-03	3.37E-07	1.43E-07
5179	485863.09, 3864877.25	6.34E-04	2.00E-07	8.49E-08	6.82E-04	2.15E-07	9.14E-08	1.06E-03	3.36E-07	1.42E-07
5180	486363.09, 3864877.25	6.30E-04	1.99E-07	8.44E-08	6.79E-04	2.14E-07	9.09E-08	1.06E-03	3.34E-07	1.42E-07
5181	486863.09, 3864877.25	6.25E-04	1.97E-07	8.37E-08	6.73E-04	2.12E-07	9.01E-08	1.05E-03	3.31E-07	1.40E-07

5182	487363.09, 3864877.25	6.21E-04	1.96E-07	8.31E-08	6.68E-04	2.11E-07	8.95E-08	1.04E-03	3.29E-07	1.39E-07
5183	487863.09, 3864877.25	6.18E-04	1.95E-07	8.27E-08	6.65E-04	2.10E-07	8.91E-08	1.04E-03	3.27E-07	1.39E-07
5184	488363.09, 3864877.25	6.18E-04	1.95E-07	8.27E-08	6.65E-04	2.10E-07	8.91E-08	1.04E-03	3.28E-07	1.39E-07
5185	488863.09, 3864877.25	6.21E-04	1.96E-07	8.31E-08	6.69E-04	2.11E-07	8.95E-08	1.05E-03	3.30E-07	1.40E-07
5186	489363.09, 3864877.25	6.23E-04	1.97E-07	8.35E-08	6.72E-04	2.12E-07	8.99E-08	1.05E-03	3.32E-07	1.41E-07
5187	489863.09, 3864877.25	6.24E-04	1.97E-07	8.36E-08	6.73E-04	2.12E-07	9.01E-08	1.06E-03	3.33E-07	1.41E-07
5188	490363.09, 3864877.25	6.28E-04	1.98E-07	8.41E-08	6.77E-04	2.14E-07	9.06E-08	1.06E-03	3.35E-07	1.42E-07
5189	490863.09, 3864877.25	6.47E-04	2.04E-07	8.67E-08	6.98E-04	2.20E-07	9.34E-08	1.10E-03	3.47E-07	1.47E-07
5190	491363.09, 3864877.25	6.62E-04	2.09E-07	8.86E-08	7.14E-04	2.25E-07	9.56E-08	1.12E-03	3.55E-07	1.51E-07
5191	491863.09, 3864877.25	6.59E-04	2.08E-07	8.82E-08	7.11E-04	2.24E-07	9.52E-08	1.12E-03	3.54E-07	1.50E-07
5192	492363.09, 3864877.25	2.70E-04	8.51E-08	3.61E-08	2.91E-04	9.18E-08	3.89E-08	4.58E-04	1.45E-07	6.13E-08
5193	492863.09, 3864877.25	3.62E-04	1.14E-07	4.85E-08	3.91E-04	1.23E-07	5.23E-08	6.18E-04	1.95E-07	8.28E-08
5194	493363.09, 3864877.25	3.47E-04	1.09E-07	4.64E-08	3.74E-04	1.18E-07	5.01E-08	5.91E-04	1.87E-07	7.92E-08
5195	493863.09, 3864877.25	6.36E-04	2.01E-07	8.51E-08	6.86E-04	2.16E-07	9.19E-08	1.09E-03	3.43E-07	1.46E-07
5196	494363.09, 3864877.25	7.04E-04	2.22E-07	9.43E-08	7.60E-04	2.40E-07	1.02E-07	1.20E-03	3.80E-07	1.61E-07
5197	494863.09, 3864877.25	7.10E-04	2.24E-07	9.51E-08	7.66E-04	2.42E-07	1.03E-07	1.22E-03	3.84E-07	1.63E-07
5198	495363.09, 3864877.25	6.82E-04	2.15E-07	9.13E-08	7.36E-04	2.32E-07	9.86E-08	1.17E-03	3.69E-07	1.56E-07
5199	495863.09, 3864877.25	6.50E-04	2.05E-07	8.71E-08	7.02E-04	2.22E-07	9.40E-08	1.11E-03	3.52E-07	1.49E-07
5200	496363.09, 3864877.25	6.29E-04	1.98E-07	8.42E-08	6.79E-04	2.14E-07	9.09E-08	1.08E-03	3.40E-07	1.44E-07
5201	496863.09, 3864877.25	6.18E-04	1.95E-07	8.27E-08	6.67E-04	2.10E-07	8.93E-08	1.06E-03	3.34E-07	1.42E-07
5202	497363.09, 3864877.25	6.13E-04	1.93E-07	8.20E-08	6.61E-04	2.09E-07	8.85E-08	1.05E-03	3.32E-07	1.41E-07
5203	497863.09, 3864877.25	6.12E-04	1.93E-07	8.19E-08	6.61E-04	2.08E-07	8.85E-08	1.05E-03	3.32E-07	1.41E-07
5204	498363.09, 3864877.25	6.11E-04	1.93E-07	8.19E-08	6.60E-04	2.08E-07	8.84E-08	1.05E-03	3.31E-07	1.41E-07
5205	471363.09, 3865377.25	3.21E-04	1.01E-07	4.30E-08	3.47E-04	1.09E-07	4.64E-08	5.47E-04	1.73E-07	7.32E-08
5206	471863.09, 3865377.25	3.28E-04	1.04E-07	4.40E-08	3.54E-04	1.12E-07	4.74E-08	5.58E-04	1.76E-07	7.48E-08
5207	472363.09, 3865377.25	3.35E-04	1.06E-07	4.49E-08	3.61E-04	1.14E-07	4.84E-08	5.69E-04	1.80E-07	7.62E-08
5208	472863.09, 3865377.25	3.43E-04	1.08E-07	4.59E-08	3.70E-04	1.17E-07	4.95E-08	5.82E-04	1.84E-07	7.79E-08
5209	473363.09, 3865377.25	3.50E-04	1.10E-07	4.69E-08	3.77E-04	1.19E-07	5.05E-08	5.94E-04	1.87E-07	7.95E-08
5210	473863.09, 3865377.25	3.58E-04	1.13E-07	4.80E-08	3.86E-04	1.22E-07	5.17E-08	6.08E-04	1.92E-07	8.14E-08
5211	474363.09, 3865377.25	3.68E-04	1.16E-07	4.93E-08	3.97E-04	1.25E-07	5.31E-08	6.23E-04	1.97E-07	8.35E-08
5212	474863.09, 3865377.25	3.79E-04	1.20E-07	5.07E-08	4.08E-04	1.29E-07	5.46E-08	6.41E-04	2.02E-07	8.59E-08
5213	475363.09, 3865377.25	3.90E-04	1.23E-07	5.22E-08	4.20E-04	1.33E-07	5.62E-08	6.59E-04	2.08E-07	8.83E-08
5214	475863.09, 3865377.25	4.04E-04	1.27E-07	5.41E-08	4.35E-04	1.37E-07	5.83E-08	6.83E-04	2.16E-07	9.15E-08
5215	476363.09, 3865377.25	4.22E-04	1.33E-07	5.66E-08	4.55E-04	1.44E-07	6.10E-08	7.15E-04	2.26E-07	9.58E-08
5216	476863.09, 3865377.25	4.29E-04	1.35E-07	5.75E-08	4.63E-04	1.46E-07	6.20E-08	7.28E-04	2.30E-07	9.75E-08
5217	477363.09, 3865377.25	4.58E-04	1.44E-07	6.13E-08	4.93E-04	1.56E-07	6.61E-08	7.76E-04	2.45E-07	1.04E-07
5218	477863.09, 3865377.25	4.72E-04	1.49E-07	6.32E-08	5.08E-04	1.60E-07	6.81E-08	7.99E-04	2.52E-07	1.07E-07
5219	478363.09, 3865377.25	4.88E-04	1.54E-07	6.53E-08	5.26E-04	1.66E-07	7.04E-08	8.26E-04	2.61E-07	1.11E-07
5220	478863.09, 3865377.25	5.00E-04	1.58E-07	6.70E-08	5.39E-04	1.70E-07	7.22E-08	8.46E-04	2.67E-07	1.13E-07
5221	479363.09, 3865377.25	5.14E-04	1.62E-07	6.88E-08	5.54E-04	1.75E-07	7.41E-08	8.69E-04	2.74E-07	1.16E-07
5222	479863.09, 3865377.25	5.30E-04	1.67E-07	7.10E-08	5.71E-04	1.80E-07	7.65E-08	8.97E-04	2.83E-07	1.20E-07
5223	480363.09, 3865377.25	5.45E-04	1.72E-07	7.29E-08	5.87E-04	1.85E-07	7.86E-08	9.21E-04	2.91E-07	1.23E-07
5224	480863.09, 3865377.25	5.58E-04	1.76E-07	7.48E-08	6.02E-04	1.90E-07	8.06E-08	9.44E-04	2.98E-07	1.26E-07
5225	481363.09, 3865377.25	5.71E-04	1.80E-07	7.65E-08	6.16E-04	1.94E-07	8.24E-08	9.66E-04	3.05E-07	1.29E-07
5226	481863.09, 3865377.25	5.81E-04	1.84E-07	7.79E-08	6.27E-04	1.98E-07	8.39E-08	9.83E-04	3.10E-07	1.32E-07
5227	482363.09, 3865377.25	5.90E-04	1.86E-07	7.90E-08	6.35E-04	2.01E-07	8.51E-08	9.96E-04	3.14E-07	1.33E-07
5228	482863.09, 3865377.25	5.95E-04	1.88E-07	7.97E-08	6.41E-04	2.02E-07	8.58E-08	1.00E-03	3.17E-07	1.34E-07
5229	483363.09, 3865377.25	5.96E-04	1.88E-07	7.98E-08	6.42E-04	2.03E-07	8.59E-08	1.00E-03	3.17E-07	1.34E-07
5230	483863.09, 3865377.25	5.91E-04	1.87E-07	7.92E-08	6.37E-04	2.01E-07	8.53E-08	9.95E-04	3.14E-07	1.33E-07
5231	484363.09, 3865377.25	5.86E-04	1.85E-07	7.85E-08	6.31E-04	1.99E-07	8.45E-08	9.85E-04	3.11E-07	1.32E-07
5232	484863.09, 3865377.25	5.81E-04	1.83E-07	7.78E-08	6.26E-04	1.97E-07	8.38E-08	9.75E-04	3.08E-07	1.31E-07
5233	485363.09, 3865377.25	5.77E-04	1.82E-07	7.73E-08	6.21E-04	1.96E-07	8.32E-08	9.67E-04	3.05E-07	1.30E-07
5234	485863.09, 3865377.25	5.74E-04	1.81E-07	7.68E-08	6.17E-04	1.95E-07	8.27E-08	9.62E-04	3.04E-07	1.29E-07
5235	486363.09, 3865377.25	5.71E-04	1.80E-07	7.65E-08	6.15E-04	1.94E-07	8.23E-08	9.57E-04	3.02E-07	1.28E-07
5236	486863.09, 3865377.25	5.67E-04	1.79E-07	7.59E-08	6.10E-04	1.93E-07	8.17E-08	9.50E-04	3.00E-07	1.27E-07
5237	487363.09, 3865377.25	5.64E-04	1.78E-07	7.55E-08	6.07E-04	1.92E-07	8.13E-08	9.45E-04	2.98E-07	1.27E-07
5238	487863.09, 3865377.25	5.62E-04	1.77E-07	7.52E-08	6.05E-04	1.91E-07	8.10E-08	9.42E-04	2.97E-07	1.26E-07
5239	488363.09, 3865377.25	5.62E-04	1.77E-07	7.53E-08	6.06E-04	1.91E-07	8.11E-08	9.45E-04	2.98E-07	1.26E-07
5240	488863.09, 3865377.25	5.65E-04	1.78E-07	7.57E-08	6.09E-04	1.92E-07	8.15E-08	9.51E-04	3.00E-07	1.27E-07
5241	489363.09, 3865377.25	5.67E-04	1.79E-07	7.60E-08	6.11E-04	1.93E-07	8.19E-08	9.58E-04	3.02E-07	1.28E-07
5242	489863.09, 3865377.25	5.72E-04	1.80E-07	7.66E-08	6.16E-04	1.94E-07	8.25E-08	9.67E-04	3.05E-07	1.29E-07

5243	490363.09, 3865377.25	5.84E-04	1.84E-07	7.82E-08	6.30E-04	1.99E-07	8.43E-08	9.91E-04	3.13E-07	1.33E-07
5244	490863.09, 3865377.25	5.81E-04	1.83E-07	7.78E-08	6.27E-04	1.98E-07	8.39E-08	9.86E-04	3.11E-07	1.32E-07
5245	491363.09, 3865377.25	5.82E-04	1.84E-07	7.79E-08	6.27E-04	1.98E-07	8.40E-08	9.89E-04	3.12E-07	1.32E-07
5246	491863.09, 3865377.25	5.90E-04	1.86E-07	7.90E-08	6.36E-04	2.01E-07	8.52E-08	1.00E-03	3.17E-07	1.34E-07
5247	492363.09, 3865377.25	5.32E-04	1.68E-07	7.12E-08	5.74E-04	1.81E-07	7.68E-08	9.09E-04	2.87E-07	1.22E-07
5248	492863.09, 3865377.25	4.21E-04	1.33E-07	5.64E-08	4.55E-04	1.43E-07	6.09E-08	7.20E-04	2.27E-07	9.64E-08
5249	493363.09, 3865377.25	3.19E-04	1.01E-07	4.28E-08	3.44E-04	1.09E-07	4.61E-08	5.45E-04	1.72E-07	7.29E-08
5250	493863.09, 3865377.25	4.69E-04	1.48E-07	6.28E-08	5.06E-04	1.60E-07	6.77E-08	8.02E-04	2.53E-07	1.07E-07
5251	494363.09, 3865377.25	5.85E-04	1.85E-07	7.84E-08	6.32E-04	1.99E-07	8.46E-08	1.00E-03	3.16E-07	1.34E-07
5252	494863.09, 3865377.25	6.38E-04	2.01E-07	8.54E-08	6.88E-04	2.17E-07	9.21E-08	1.09E-03	3.44E-07	1.46E-07
5253	495363.09, 3865377.25	6.46E-04	2.04E-07	8.65E-08	6.97E-04	2.20E-07	9.34E-08	1.11E-03	3.49E-07	1.48E-07
5254	495863.09, 3865377.25	6.23E-04	1.96E-07	8.34E-08	6.72E-04	2.12E-07	9.00E-08	1.07E-03	3.36E-07	1.43E-07
5255	496363.09, 3865377.25	5.92E-04	1.87E-07	7.92E-08	6.39E-04	2.02E-07	8.55E-08	1.01E-03	3.20E-07	1.36E-07
5256	496863.09, 3865377.25	5.65E-04	1.78E-07	7.56E-08	6.09E-04	1.92E-07	8.16E-08	9.66E-04	3.05E-07	1.29E-07
5257	497363.09, 3865377.25	5.62E-04	1.77E-07	7.52E-08	6.06E-04	1.91E-07	8.12E-08	9.63E-04	3.04E-07	1.29E-07
5258	497863.09, 3865377.25	5.57E-04	1.76E-07	7.46E-08	6.01E-04	1.90E-07	8.05E-08	9.55E-04	3.01E-07	1.28E-07
5259	498363.09, 3865377.25	5.57E-04	1.76E-07	7.46E-08	6.02E-04	1.90E-07	8.05E-08	9.56E-04	3.02E-07	1.28E-07
5260	471363.09, 3865877.25	3.04E-04	9.58E-08	4.07E-08	3.27E-04	1.03E-07	4.38E-08	5.16E-04	1.63E-07	6.91E-08
5261	471863.09, 3865877.25	3.09E-04	9.75E-08	4.14E-08	3.33E-04	1.05E-07	4.46E-08	5.24E-04	1.66E-07	7.02E-08
5262	472363.09, 3865877.25	3.16E-04	9.97E-08	4.23E-08	3.41E-04	1.07E-07	4.56E-08	5.36E-04	1.69E-07	7.18E-08
5263	472863.09, 3865877.25	3.21E-04	1.01E-07	4.30E-08	3.46E-04	1.09E-07	4.64E-08	5.45E-04	1.72E-07	7.30E-08
5264	473363.09, 3865877.25	3.28E-04	1.04E-07	4.39E-08	3.54E-04	1.12E-07	4.74E-08	5.56E-04	1.76E-07	7.45E-08
5265	473863.09, 3865877.25	3.37E-04	1.06E-07	4.52E-08	3.64E-04	1.15E-07	4.87E-08	5.71E-04	1.80E-07	7.65E-08
5266	474363.09, 3865877.25	3.47E-04	1.09E-07	4.64E-08	3.74E-04	1.18E-07	5.00E-08	5.87E-04	1.85E-07	7.86E-08
5267	474863.09, 3865877.25	3.58E-04	1.13E-07	4.79E-08	3.86E-04	1.22E-07	5.17E-08	6.06E-04	1.91E-07	8.11E-08
5268	475363.09, 3865877.25	3.70E-04	1.17E-07	4.95E-08	3.99E-04	1.26E-07	5.34E-08	6.25E-04	1.97E-07	8.38E-08
5269	475863.09, 3865877.25	3.84E-04	1.21E-07	5.14E-08	4.14E-04	1.31E-07	5.54E-08	6.49E-04	2.05E-07	8.70E-08
5270	476363.09, 3865877.25	4.01E-04	1.27E-07	5.37E-08	4.33E-04	1.37E-07	5.79E-08	6.80E-04	2.15E-07	9.11E-08
5271	476863.09, 3865877.25	4.08E-04	1.29E-07	5.46E-08	4.39E-04	1.39E-07	5.88E-08	6.92E-04	2.18E-07	9.26E-08
5272	477363.09, 3865877.25	4.35E-04	1.37E-07	5.82E-08	4.68E-04	1.48E-07	6.27E-08	7.36E-04	2.32E-07	9.86E-08
5273	477863.09, 3865877.25	4.46E-04	1.41E-07	5.97E-08	4.80E-04	1.52E-07	6.43E-08	7.55E-04	2.38E-07	1.01E-07
5274	478363.09, 3865877.25	4.58E-04	1.44E-07	6.13E-08	4.93E-04	1.56E-07	6.60E-08	7.74E-04	2.44E-07	1.04E-07
5275	478863.09, 3865877.25	4.68E-04	1.48E-07	6.27E-08	5.05E-04	1.59E-07	6.76E-08	7.92E-04	2.50E-07	1.06E-07
5276	479363.09, 3865877.25	4.80E-04	1.52E-07	6.43E-08	5.18E-04	1.63E-07	6.93E-08	8.12E-04	2.56E-07	1.09E-07
5277	479863.09, 3865877.25	4.93E-04	1.56E-07	6.60E-08	5.31E-04	1.68E-07	7.11E-08	8.34E-04	2.63E-07	1.12E-07
5278	480363.09, 3865877.25	5.06E-04	1.60E-07	6.77E-08	5.45E-04	1.72E-07	7.30E-08	8.56E-04	2.70E-07	1.15E-07
5279	480863.09, 3865877.25	5.18E-04	1.63E-07	6.93E-08	5.58E-04	1.76E-07	7.47E-08	8.76E-04	2.76E-07	1.17E-07
5280	481363.09, 3865877.25	5.27E-04	1.66E-07	7.05E-08	5.68E-04	1.79E-07	7.60E-08	8.90E-04	2.81E-07	1.19E-07
5281	481863.09, 3865877.25	5.34E-04	1.69E-07	7.15E-08	5.76E-04	1.82E-07	7.71E-08	9.03E-04	2.85E-07	1.21E-07
5282	482363.09, 3865877.25	5.40E-04	1.70E-07	7.23E-08	5.82E-04	1.84E-07	7.79E-08	9.12E-04	2.88E-07	1.22E-07
5283	482863.09, 3865877.25	5.44E-04	1.72E-07	7.28E-08	5.86E-04	1.85E-07	7.84E-08	9.17E-04	2.89E-07	1.23E-07
5284	483363.09, 3865877.25	5.44E-04	1.72E-07	7.28E-08	5.86E-04	1.85E-07	7.84E-08	9.16E-04	2.89E-07	1.23E-07
5285	483863.09, 3865877.25	5.41E-04	1.71E-07	7.24E-08	5.82E-04	1.84E-07	7.80E-08	9.09E-04	2.87E-07	1.22E-07
5286	484363.09, 3865877.25	5.37E-04	1.69E-07	7.19E-08	5.78E-04	1.82E-07	7.74E-08	9.00E-04	2.84E-07	1.21E-07
5287	484863.09, 3865877.25	5.30E-04	1.67E-07	7.10E-08	5.70E-04	1.80E-07	7.64E-08	8.88E-04	2.80E-07	1.19E-07
5288	485363.09, 3865877.25	5.25E-04	1.66E-07	7.03E-08	5.65E-04	1.78E-07	7.57E-08	8.80E-04	2.78E-07	1.18E-07
5289	485863.09, 3865877.25	5.22E-04	1.65E-07	6.99E-08	5.62E-04	1.77E-07	7.53E-08	8.75E-04	2.76E-07	1.17E-07
5290	486363.09, 3865877.25	5.19E-04	1.64E-07	6.95E-08	5.59E-04	1.76E-07	7.48E-08	8.69E-04	2.74E-07	1.16E-07
5291	486863.09, 3865877.25	5.16E-04	1.63E-07	6.91E-08	5.56E-04	1.75E-07	7.44E-08	8.64E-04	2.73E-07	1.16E-07
5292	487363.09, 3865877.25	5.14E-04	1.62E-07	6.89E-08	5.54E-04	1.75E-07	7.42E-08	8.62E-04	2.72E-07	1.15E-07
5293	487863.09, 3865877.25	5.15E-04	1.63E-07	6.90E-08	5.55E-04	1.75E-07	7.43E-08	8.64E-04	2.73E-07	1.16E-07
5294	488363.09, 3865877.25	5.15E-04	1.63E-07	6.90E-08	5.55E-04	1.75E-07	7.43E-08	8.65E-04	2.73E-07	1.16E-07
5295	488863.09, 3865877.25	5.18E-04	1.64E-07	6.94E-08	5.58E-04	1.76E-07	7.47E-08	8.72E-04	2.75E-07	1.17E-07
5296	489363.09, 3865877.25	5.21E-04	1.65E-07	6.98E-08	5.61E-04	1.77E-07	7.52E-08	8.79E-04	2.77E-07	1.18E-07
5297	489863.09, 3865877.25	5.23E-04	1.65E-07	7.01E-08	5.64E-04	1.78E-07	7.55E-08	8.84E-04	2.79E-07	1.18E-07
5298	490363.09, 3865877.25	5.30E-04	1.67E-07	7.10E-08	5.71E-04	1.80E-07	7.65E-08	8.97E-04	2.83E-07	1.20E-07
5299	490863.09, 3865877.25	5.34E-04	1.68E-07	7.15E-08	5.76E-04	1.82E-07	7.71E-08	9.06E-04	2.86E-07	1.21E-07
5300	491363.09, 3865877.25	5.24E-04	1.65E-07	7.02E-08	5.65E-04	1.78E-07	7.57E-08	8.91E-04	2.81E-07	1.19E-07
5301	491863.09, 3865877.25	5.24E-04	1.65E-07	7.02E-08	5.65E-04	1.78E-07	7.57E-08	8.93E-04	2.82E-07	1.20E-07
5302	492363.09, 3865877.25	5.13E-04	1.62E-07	6.87E-08	5.53E-04	1.75E-07	7.41E-08	8.75E-04	2.76E-07	1.17E-07
5303	492863.09, 3865877.25	4.15E-04	1.31E-07	5.55E-08	4.47E-04	1.41E-07	5.99E-08	7.08E-04	2.24E-07	9.48E-08

5304 493363.09, 3865877.25	4.13E-04	1.30E-07	5.53E-08	4.46E-04	1.41E-07	5.97E-08	7.06E-04	2.23E-07	9.46E-08
5305 493863.09, 3865877.25	4.56E-04	1.44E-07	6.11E-08	4.92E-04	1.55E-07	6.59E-08	7.80E-04	2.46E-07	1.04E-07
5306 494363.09, 3865877.25	4.99E-04	1.57E-07	6.68E-08	5.38E-04	1.70E-07	7.20E-08	8.51E-04	2.69E-07	1.14E-07
5307 494863.09, 3865877.25	5.54E-04	1.75E-07	7.42E-08	5.98E-04	1.89E-07	8.01E-08	9.46E-04	2.99E-07	1.27E-07
5308 495363.09, 3865877.25	5.84E-04	1.84E-07	7.82E-08	6.30E-04	1.99E-07	8.44E-08	9.99E-04	3.15E-07	1.34E-07
5309 495863.09, 3865877.25	5.91E-04	1.86E-07	7.91E-08	6.38E-04	2.01E-07	8.54E-08	1.01E-03	3.19E-07	1.35E-07
5310 496363.09, 3865877.25	5.72E-04	1.81E-07	7.66E-08	6.17E-04	1.95E-07	8.27E-08	9.79E-04	3.09E-07	1.31E-07
5311 496863.09, 3865877.25	5.35E-04	1.69E-07	7.17E-08	5.78E-04	1.82E-07	7.74E-08	9.16E-04	2.89E-07	1.23E-07
5312 497363.09, 3865877.25	5.13E-04	1.62E-07	6.87E-08	5.54E-04	1.75E-07	7.41E-08	8.77E-04	2.77E-07	1.17E-07
5313 497863.09, 3865877.25	5.06E-04	1.60E-07	6.78E-08	5.46E-04	1.72E-07	7.31E-08	8.65E-04	2.73E-07	1.16E-07
5314 498363.09, 3865877.25	5.00E-04	1.58E-07	6.70E-08	5.40E-04	1.70E-07	7.23E-08	8.55E-04	2.70E-07	1.14E-07
5315 471363.09, 3866377.25	2.86E-04	9.02E-08	3.83E-08	3.08E-04	9.73E-08	4.13E-08	4.85E-04	1.53E-07	6.49E-08
5316 471863.09, 3866377.25	2.91E-04	9.20E-08	3.90E-08	3.14E-04	9.91E-08	4.21E-08	4.94E-04	1.56E-07	6.61E-08
5317 472363.09, 3866377.25	2.97E-04	9.38E-08	3.98E-08	3.20E-04	1.01E-07	4.29E-08	5.03E-04	1.59E-07	6.74E-08
5318 472863.09, 3866377.25	3.03E-04	9.55E-08	4.05E-08	3.26E-04	1.03E-07	4.37E-08	5.12E-04	1.62E-07	6.86E-08
5319 473363.09, 3866377.25	3.11E-04	9.81E-08	4.16E-08	3.35E-04	1.06E-07	4.48E-08	5.26E-04	1.66E-07	7.04E-08
5320 473863.09, 3866377.25	3.19E-04	1.01E-07	4.28E-08	3.44E-04	1.09E-07	4.61E-08	5.40E-04	1.70E-07	7.23E-08
5321 474363.09, 3866377.25	3.29E-04	1.04E-07	4.41E-08	3.55E-04	1.12E-07	4.75E-08	5.57E-04	1.76E-07	7.45E-08
5322 474863.09, 3866377.25	3.41E-04	1.07E-07	4.56E-08	3.67E-04	1.16E-07	4.91E-08	5.76E-04	1.82E-07	7.71E-08
5323 475363.09, 3866377.25	3.52E-04	1.11E-07	4.71E-08	3.79E-04	1.20E-07	5.08E-08	5.95E-04	1.88E-07	7.97E-08
5324 475863.09, 3866377.25	3.65E-04	1.15E-07	4.88E-08	3.93E-04	1.24E-07	5.26E-08	6.17E-04	1.95E-07	8.26E-08
5325 476363.09, 3866377.25	3.83E-04	1.21E-07	5.13E-08	4.13E-04	1.30E-07	5.53E-08	6.49E-04	2.05E-07	8.69E-08
5326 476863.09, 3866377.25	3.84E-04	1.21E-07	5.14E-08	4.14E-04	1.31E-07	5.55E-08	6.52E-04	2.06E-07	8.74E-08
5327 477363.09, 3866377.25	4.09E-04	1.29E-07	5.48E-08	4.41E-04	1.39E-07	5.91E-08	6.94E-04	2.19E-07	9.29E-08
5328 477863.09, 3866377.25	4.22E-04	1.33E-07	5.65E-08	4.55E-04	1.44E-07	6.09E-08	7.14E-04	2.25E-07	9.57E-08
5329 478363.09, 3866377.25	4.30E-04	1.36E-07	5.75E-08	4.63E-04	1.46E-07	6.20E-08	7.27E-04	2.29E-07	9.73E-08
5330 478863.09, 3866377.25	4.40E-04	1.39E-07	5.89E-08	4.74E-04	1.50E-07	6.34E-08	7.43E-04	2.35E-07	9.95E-08
5331 479363.09, 3866377.25	4.51E-04	1.42E-07	6.04E-08	4.86E-04	1.53E-07	6.51E-08	7.62E-04	2.41E-07	1.02E-07
5332 479863.09, 3866377.25	4.64E-04	1.46E-07	6.21E-08	5.00E-04	1.58E-07	6.70E-08	7.85E-04	2.48E-07	1.05E-07
5333 480363.09, 3866377.25	4.76E-04	1.50E-07	6.37E-08	5.13E-04	1.62E-07	6.86E-08	8.04E-04	2.54E-07	1.08E-07
5334 480863.09, 3866377.25	4.83E-04	1.52E-07	6.47E-08	5.21E-04	1.64E-07	6.97E-08	8.17E-04	2.58E-07	1.09E-07
5335 481363.09, 3866377.25	4.90E-04	1.55E-07	6.56E-08	5.28E-04	1.67E-07	7.07E-08	8.28E-04	2.61E-07	1.11E-07
5336 481863.09, 3866377.25	4.94E-04	1.56E-07	6.61E-08	5.32E-04	1.68E-07	7.12E-08	8.34E-04	2.63E-07	1.12E-07
5337 482363.09, 3866377.25	4.97E-04	1.57E-07	6.66E-08	5.36E-04	1.69E-07	7.17E-08	8.39E-04	2.65E-07	1.12E-07
5338 482863.09, 3866377.25	5.00E-04	1.58E-07	6.70E-08	5.39E-04	1.70E-07	7.22E-08	8.43E-04	2.66E-07	1.13E-07
5339 483363.09, 3866377.25	5.00E-04	1.58E-07	6.69E-08	5.38E-04	1.70E-07	7.21E-08	8.41E-04	2.65E-07	1.13E-07
5340 483863.09, 3866377.25	4.97E-04	1.57E-07	6.65E-08	5.35E-04	1.69E-07	7.16E-08	8.34E-04	2.63E-07	1.12E-07
5341 484363.09, 3866377.25	4.91E-04	1.55E-07	6.58E-08	5.29E-04	1.67E-07	7.08E-08	8.24E-04	2.60E-07	1.10E-07
5342 484863.09, 3866377.25	4.87E-04	1.54E-07	6.52E-08	5.24E-04	1.66E-07	7.02E-08	8.16E-04	2.58E-07	1.09E-07
5343 485363.09, 3866377.25	4.81E-04	1.52E-07	6.45E-08	5.18E-04	1.64E-07	6.94E-08	8.06E-04	2.54E-07	1.08E-07
5344 485863.09, 3866377.25	4.77E-04	1.50E-07	6.38E-08	5.13E-04	1.62E-07	6.87E-08	7.98E-04	2.52E-07	1.07E-07
5345 486363.09, 3866377.25	4.74E-04	1.50E-07	6.35E-08	5.10E-04	1.61E-07	6.84E-08	7.94E-04	2.51E-07	1.06E-07
5346 486863.09, 3866377.25	4.74E-04	1.50E-07	6.34E-08	5.10E-04	1.61E-07	6.83E-08	7.93E-04	2.50E-07	1.06E-07
5347 487363.09, 3866377.25	4.81E-04	1.52E-07	6.44E-08	5.18E-04	1.63E-07	6.93E-08	8.06E-04	2.54E-07	1.08E-07
5348 487863.09, 3866377.25	4.85E-04	1.53E-07	6.50E-08	5.22E-04	1.65E-07	6.99E-08	8.13E-04	2.57E-07	1.09E-07
5349 488363.09, 3866377.25	4.85E-04	1.53E-07	6.50E-08	5.22E-04	1.65E-07	6.99E-08	8.14E-04	2.57E-07	1.09E-07
5350 488863.09, 3866377.25	4.87E-04	1.54E-07	6.53E-08	5.25E-04	1.66E-07	7.03E-08	8.21E-04	2.59E-07	1.10E-07
5351 489363.09, 3866377.25	4.86E-04	1.53E-07	6.51E-08	5.24E-04	1.65E-07	7.02E-08	8.21E-04	2.59E-07	1.10E-07
5352 489863.09, 3866377.25	4.75E-04	1.50E-07	6.36E-08	5.12E-04	1.62E-07	6.86E-08	8.04E-04	2.54E-07	1.08E-07
5353 490363.09, 3866377.25	4.85E-04	1.53E-07	6.49E-08	5.22E-04	1.65E-07	6.99E-08	8.19E-04	2.59E-07	1.10E-07
5354 490863.09, 3866377.25	4.86E-04	1.53E-07	6.51E-08	5.24E-04	1.65E-07	7.01E-08	8.22E-04	2.60E-07	1.10E-07
5355 491363.09, 3866377.25	4.93E-04	1.55E-07	6.60E-08	5.31E-04	1.68E-07	7.11E-08	8.36E-04	2.64E-07	1.12E-07
5356 491863.09, 3866377.25	4.67E-04	1.47E-07	6.25E-08	5.03E-04	1.59E-07	6.74E-08	7.95E-04	2.51E-07	1.06E-07
5357 492363.09, 3866377.25	4.70E-04	1.48E-07	6.30E-08	5.07E-04	1.60E-07	6.79E-08	8.02E-04	2.53E-07	1.07E-07
5358 492863.09, 3866377.25	4.36E-04	1.38E-07	5.84E-08	4.70E-04	1.48E-07	6.30E-08	7.45E-04	2.35E-07	9.97E-08
5359 493363.09, 3866377.25	4.58E-04	1.44E-07	6.13E-08	4.94E-04	1.56E-07	6.61E-08	7.81E-04	2.47E-07	1.05E-07
5360 493863.09, 3866377.25	4.79E-04	1.51E-07	6.41E-08	5.17E-04	1.63E-07	6.92E-08	8.18E-04	2.58E-07	1.09E-07
5361 494363.09, 3866377.25	4.88E-04	1.54E-07	6.53E-08	5.26E-04	1.66E-07	7.04E-08	8.31E-04	2.62E-07	1.11E-07
5362 494863.09, 3866377.25	4.78E-04	1.51E-07	6.41E-08	5.16E-04	1.63E-07	6.91E-08	8.16E-04	2.57E-07	1.09E-07
5363 495363.09, 3866377.25	4.96E-04	1.57E-07	6.65E-08	5.35E-04	1.69E-07	7.17E-08	8.47E-04	2.67E-07	1.13E-07
5364 495863.09, 3866377.25	5.23E-04	1.65E-07	7.00E-08	5.64E-04	1.78E-07	7.55E-08	8.94E-04	2.82E-07	1.20E-07

5365	496363.09, 3866377.25	5.28E-04	1.67E-07	7.07E-08	5.70E-04	1.80E-07	7.63E-08	9.04E-04	2.85E-07	1.21E-07
5366	496863.09, 3866377.25	5.08E-04	1.60E-07	6.80E-08	5.48E-04	1.73E-07	7.34E-08	8.70E-04	2.74E-07	1.16E-07
5367	497363.09, 3866377.25	4.84E-04	1.53E-07	6.48E-08	5.22E-04	1.65E-07	7.00E-08	8.29E-04	2.62E-07	1.11E-07
5368	497863.09, 3866377.25	4.62E-04	1.46E-07	6.19E-08	4.99E-04	1.57E-07	6.68E-08	7.91E-04	2.50E-07	1.06E-07
5369	498363.09, 3866377.25	4.17E-04	1.32E-07	5.59E-08	4.50E-04	1.42E-07	6.03E-08	7.14E-04	2.25E-07	9.56E-08
5370	474494.92, 3848334.16	2.85E-04	8.99E-08	3.82E-08	3.07E-04	9.70E-08	4.11E-08	4.85E-04	1.53E-07	6.49E-08
5371	475167.27, 3848920.79	3.25E-04	1.03E-07	4.36E-08	3.51E-04	1.11E-07	4.70E-08	5.54E-04	1.75E-07	7.41E-08
5372	475297.89, 3848997.96	3.31E-04	1.04E-07	4.43E-08	3.57E-04	1.13E-07	4.78E-08	5.63E-04	1.78E-07	7.54E-08
5373	475439.05, 3849062	3.27E-04	1.03E-07	4.38E-08	3.53E-04	1.11E-07	4.73E-08	5.57E-04	1.76E-07	7.46E-08
5374	475486.86, 3849061.09	3.24E-04	1.02E-07	4.34E-08	3.49E-04	1.10E-07	4.68E-08	5.52E-04	1.74E-07	7.39E-08
5375	475538.46, 3849075.56	3.26E-04	1.03E-07	4.37E-08	3.52E-04	1.11E-07	4.71E-08	5.55E-04	1.75E-07	7.43E-08
5376	475751.79, 3849137.15	3.41E-04	1.08E-07	4.56E-08	3.67E-04	1.16E-07	4.92E-08	5.79E-04	1.83E-07	7.76E-08
5377	476303.62, 3849223.38	3.47E-04	1.10E-07	4.65E-08	3.74E-04	1.18E-07	5.01E-08	5.89E-04	1.86E-07	7.89E-08
5378	476304.51, 3849238.92	3.50E-04	1.10E-07	4.68E-08	3.77E-04	1.19E-07	5.05E-08	5.94E-04	1.87E-07	7.95E-08
5379	476365.04, 3849247.98	3.50E-04	1.10E-07	4.68E-08	3.77E-04	1.19E-07	5.05E-08	5.93E-04	1.87E-07	7.94E-08
5380	476444.86, 3849267.13	3.48E-04	1.10E-07	4.66E-08	3.75E-04	1.18E-07	5.02E-08	5.90E-04	1.86E-07	7.91E-08
5381	476550.75, 3849300.66	3.52E-04	1.11E-07	4.71E-08	3.79E-04	1.20E-07	5.08E-08	5.97E-04	1.88E-07	7.99E-08
5382	476656.71, 3849346.88	3.55E-04	1.12E-07	4.76E-08	3.83E-04	1.21E-07	5.13E-08	6.03E-04	1.90E-07	8.07E-08
5383	476873.55, 3849454.53	3.67E-04	1.16E-07	4.91E-08	3.96E-04	1.25E-07	5.30E-08	6.22E-04	1.96E-07	8.33E-08
5384	477700, 3849859.7	4.29E-04	1.35E-07	5.75E-08	4.62E-04	1.46E-07	6.19E-08	7.25E-04	2.29E-07	9.70E-08
5385	477743.16, 3849856.38	4.28E-04	1.35E-07	5.74E-08	4.62E-04	1.46E-07	6.18E-08	7.24E-04	2.29E-07	9.70E-08
5386	478477.35, 3850216.33	5.34E-04	1.69E-07	7.15E-08	5.76E-04	1.82E-07	7.71E-08	9.05E-04	2.86E-07	1.21E-07
5387	478485.8, 3850201.6	5.39E-04	1.70E-07	7.22E-08	5.81E-04	1.83E-07	7.78E-08	9.15E-04	2.89E-07	1.22E-07
5388	479113.21, 3850501.53	7.29E-04	2.30E-07	9.76E-08	7.86E-04	2.48E-07	1.05E-07	1.24E-03	3.91E-07	1.66E-07
5389	479108.11, 3850382.28	7.40E-04	2.34E-07	9.91E-08	7.98E-04	2.52E-07	1.07E-07	1.26E-03	3.98E-07	1.69E-07
5390	479689.85, 3850674.28	8.63E-04	2.72E-07	1.16E-07	9.31E-04	2.94E-07	1.25E-07	1.47E-03	4.65E-07	1.97E-07
5391	479952.42, 3850774.28	8.98E-04	2.83E-07	1.20E-07	9.69E-04	3.06E-07	1.30E-07	1.53E-03	4.84E-07	2.05E-07
5392	479911.32, 3850884.85	9.32E-04	2.94E-07	1.25E-07	1.01E-03	3.17E-07	1.35E-07	1.59E-03	5.02E-07	2.13E-07
5393	480500.92, 3851178.12	1.04E-03	3.27E-07	1.39E-07	1.12E-03	3.53E-07	1.50E-07	1.76E-03	5.56E-07	2.36E-07
5394	480738.01, 3851289.27	1.06E-03	3.35E-07	1.42E-07	1.15E-03	3.62E-07	1.53E-07	1.80E-03	5.69E-07	2.41E-07
5395	481055.42, 3851443.58	1.10E-03	3.47E-07	1.47E-07	1.18E-03	3.74E-07	1.59E-07	1.86E-03	5.86E-07	2.49E-07
5396	481110.22, 3851443.15	1.09E-03	3.43E-07	1.46E-07	1.17E-03	3.70E-07	1.57E-07	1.84E-03	5.80E-07	2.46E-07
5397	481111.1, 3851417.45	1.07E-03	3.38E-07	1.43E-07	1.15E-03	3.64E-07	1.55E-07	1.81E-03	5.72E-07	2.43E-07
5398	482248.44, 3852605.09	1.85E-03	5.85E-07	2.48E-07	1.99E-03	6.29E-07	2.67E-07	3.11E-03	9.81E-07	4.16E-07
5399	482273.34, 3852632.31	1.88E-03	5.93E-07	2.52E-07	2.02E-03	6.39E-07	2.71E-07	3.15E-03	9.96E-07	4.22E-07
5400	482665.46, 3853038.72	2.51E-03	7.91E-07	3.36E-07	2.70E-03	8.51E-07	3.61E-07	4.18E-03	1.32E-06	5.60E-07
5401	483077.95, 3853844.31	1.72E-02	5.44E-06	2.31E-06	1.86E-02	5.87E-06	2.49E-06	2.93E-02	9.26E-06	3.93E-06
5402	483121.38, 3853909.38	1.88E-02	5.94E-06	2.52E-06	2.04E-02	6.44E-06	2.73E-06	3.32E-02	1.05E-05	4.44E-06
5403	483492.64, 3853911.49	1.11E-02	3.50E-06	1.49E-06	1.20E-02	3.79E-06	1.61E-06	1.95E-02	6.17E-06	2.62E-06
5404	483498.29, 3854204.73	2.03E-02	6.41E-06	2.72E-06	2.21E-02	6.99E-06	2.96E-06	3.76E-02	1.19E-05	5.03E-06
5405	484132.44, 3854662.55	1.96E-02	6.20E-06	2.63E-06	2.12E-02	6.69E-06	2.84E-06	3.36E-02	1.06E-05	4.50E-06
5406	484627.62, 3854876.13	2.32E-02	7.33E-06	3.11E-06	2.50E-02	7.88E-06	3.35E-06	3.89E-02	1.23E-05	5.21E-06
5407	484756.14, 3854949.04	2.49E-02	7.85E-06	3.33E-06	2.68E-02	8.45E-06	3.59E-06	4.17E-02	1.31E-05	5.58E-06
5408	486697.51, 3856599.17	3.94E-02	1.24E-05	5.28E-06	4.26E-02	1.34E-05	5.71E-06	6.82E-02	2.15E-05	9.13E-06
5409	487105.31, 3856962.27	4.64E-02	1.46E-05	6.21E-06	5.01E-02	1.58E-05	6.71E-06	8.03E-02	2.54E-05	1.08E-05
5410	487157.57, 3856901.7	4.22E-02	1.33E-05	5.65E-06	4.56E-02	1.44E-05	6.11E-06	7.31E-02	2.31E-05	9.79E-06
5411	487173.5, 3856853.74	4.00E-02	1.26E-05	5.36E-06	4.32E-02	1.36E-05	5.79E-06	6.92E-02	2.18E-05	9.27E-06
5412	487564.41, 3856860.83	3.29E-02	1.04E-05	4.41E-06	3.56E-02	1.12E-05	4.76E-06	5.69E-02	1.80E-05	7.62E-06
5413	487563.31, 3856931.58	3.47E-02	1.10E-05	4.65E-06	3.75E-02	1.18E-05	5.02E-06	6.01E-02	1.90E-05	8.05E-06
5414	487782.7, 3856926.85	3.12E-02	9.86E-06	4.18E-06	3.37E-02	1.07E-05	4.52E-06	5.40E-02	1.70E-05	7.23E-06
5415	487782.39, 3856757.07	2.80E-02	8.84E-06	3.75E-06	3.03E-02	9.55E-06	4.05E-06	4.84E-02	1.53E-05	6.48E-06
5416	487917.26, 3856752.41	2.66E-02	8.40E-06	3.56E-06	2.88E-02	9.07E-06	3.85E-06	4.60E-02	1.45E-05	6.15E-06
5417	487919.57, 3856953.35	2.99E-02	9.44E-06	4.01E-06	3.23E-02	1.02E-05	4.33E-06	5.18E-02	1.63E-05	6.93E-06
5418	487932.76, 3857000.32	3.05E-02	9.63E-06	4.09E-06	3.30E-02	1.04E-05	4.42E-06	5.28E-02	1.67E-05	7.08E-06
5419	487960.5, 3857044.75	3.09E-02	9.76E-06	4.14E-06	3.34E-02	1.05E-05	4.47E-06	5.35E-02	1.69E-05	7.17E-06
5420	488016.54, 3857089.54	3.09E-02	9.75E-06	4.14E-06	3.34E-02	1.05E-05	4.47E-06	5.35E-02	1.69E-05	7.16E-06
5421	488114.39, 3857165.47	3.09E-02	9.75E-06	4.14E-06	3.34E-02	1.05E-05	4.47E-06	5.36E-02	1.69E-05	7.18E-06
5422	488171.49, 3857234.24	3.11E-02	9.83E-06	4.17E-06	3.37E-02	1.06E-05	4.51E-06	5.41E-02	1.71E-05	7.24E-06
5423	488193.16, 3857297.8	3.18E-02	1.00E-05	4.26E-06	3.44E-02	1.09E-05	4.61E-06	5.53E-02	1.75E-05	7.41E-06
5424	488189.27, 3857649.94	3.78E-02	1.19E-05	5.06E-06	4.09E-02	1.29E-05	5.48E-06	6.59E-02	2.08E-05	8.83E-06
5425	488127.43, 3857732.32	4.13E-02	1.30E-05	5.53E-06	4.47E-02	1.41E-05	5.99E-06	7.23E-02	2.28E-05	9.68E-06

5426	488149.93, 3857752.94	4.10E-02	1.30E-05	5.50E-06	4.44E-02	1.40E-05	5.95E-06	7.18E-02	2.27E-05	9.62E-06
5427	488144.76, 3857758.71	4.13E-02	1.31E-05	5.54E-06	4.48E-02	1.41E-05	5.99E-06	7.24E-02	2.28E-05	9.69E-06
5428	488335.58, 3857932.55	3.79E-02	1.20E-05	5.08E-06	4.11E-02	1.30E-05	5.50E-06	6.63E-02	2.09E-05	8.88E-06
5429	488372.29, 3857943.79	3.69E-02	1.17E-05	4.95E-06	4.00E-02	1.26E-05	5.35E-06	6.46E-02	2.04E-05	8.65E-06
5430	488828.64, 3857936.4	2.69E-02	8.50E-06	3.61E-06	2.91E-02	9.19E-06	3.90E-06	4.69E-02	1.48E-05	6.27E-06
5431	488829.08, 3857959.58	2.70E-02	8.51E-06	3.61E-06	2.92E-02	9.21E-06	3.91E-06	4.69E-02	1.48E-05	6.29E-06
5432	488351.61, 3857964.55	3.78E-02	1.19E-05	5.07E-06	4.09E-02	1.29E-05	5.48E-06	6.62E-02	2.09E-05	8.86E-06
5433	488316.87, 3857947.65	3.87E-02	1.22E-05	5.19E-06	4.19E-02	1.32E-05	5.62E-06	6.78E-02	2.14E-05	9.08E-06
5434	488129.1, 3857775.77	4.23E-02	1.33E-05	5.66E-06	4.58E-02	1.44E-05	6.13E-06	7.41E-02	2.34E-05	9.92E-06
5435	488062.53, 3857846.13	4.67E-02	1.47E-05	6.26E-06	5.06E-02	1.60E-05	6.77E-06	8.22E-02	2.59E-05	1.10E-05
5436	488330.41, 3858091.34	4.07E-02	1.28E-05	5.45E-06	4.41E-02	1.39E-05	5.90E-06	7.15E-02	2.26E-05	9.57E-06
5437	488470.87, 3858174.45	3.62E-02	1.14E-05	4.84E-06	3.91E-02	1.24E-05	5.24E-06	6.32E-02	2.00E-05	8.47E-06
5438	488568.9, 3858262.31	3.20E-02	1.01E-05	4.29E-06	3.46E-02	1.09E-05	4.64E-06	5.56E-02	1.75E-05	7.44E-06
5439	488964.27, 3858025.71	2.48E-02	7.83E-06	3.32E-06	2.68E-02	8.47E-06	3.59E-06	4.32E-02	1.36E-05	5.78E-06
5440	489147.25, 3857956.64	2.26E-02	7.12E-06	3.02E-06	2.44E-02	7.70E-06	3.27E-06	3.93E-02	1.24E-05	5.26E-06
5441	489343.52, 3857932.45	2.05E-02	6.47E-06	2.75E-06	2.22E-02	7.00E-06	2.97E-06	3.57E-02	1.13E-05	4.78E-06
5442	489866.19, 3857923.19	1.62E-02	5.12E-06	2.17E-06	1.75E-02	5.54E-06	2.35E-06	2.82E-02	8.89E-06	3.77E-06
5443	489955.65, 3857902.27	1.57E-02	4.95E-06	2.10E-06	1.70E-02	5.35E-06	2.27E-06	2.72E-02	8.60E-06	3.65E-06
5444	490079.44, 3857847.9	1.51E-02	4.76E-06	2.02E-06	1.63E-02	5.15E-06	2.19E-06	2.62E-02	8.27E-06	3.51E-06
5445	490108.49, 3857934.13	1.47E-02	4.64E-06	1.97E-06	1.59E-02	5.01E-06	2.13E-06	2.55E-02	8.04E-06	3.41E-06
5446	489884.48, 3858014.17	1.58E-02	4.98E-06	2.11E-06	1.71E-02	5.39E-06	2.29E-06	2.74E-02	8.65E-06	3.67E-06
5447	489326.56, 3858025.86	2.04E-02	6.43E-06	2.73E-06	2.20E-02	6.95E-06	2.95E-06	3.54E-02	1.12E-05	4.74E-06
5448	489130.38, 3858056.71	2.25E-02	7.10E-06	3.01E-06	2.43E-02	7.68E-06	3.26E-06	3.92E-02	1.24E-05	5.24E-06
5449	488936.49, 3858143.93	2.48E-02	7.82E-06	3.32E-06	2.68E-02	8.45E-06	3.59E-06	4.30E-02	1.36E-05	5.76E-06
5450	488638.08, 3858327.45	2.88E-02	9.08E-06	3.85E-06	3.11E-02	9.80E-06	4.16E-06	4.96E-02	1.57E-05	6.65E-06
5451	488663.79, 3858349.57	2.76E-02	8.70E-06	3.69E-06	2.98E-02	9.40E-06	3.99E-06	4.74E-02	1.50E-05	6.35E-06
5452	488694.56, 3858349.5	2.68E-02	8.46E-06	3.59E-06	2.90E-02	9.14E-06	3.88E-06	4.61E-02	1.46E-05	6.18E-06
5453	488694.35, 3858336.75	2.71E-02	8.56E-06	3.63E-06	2.93E-02	9.24E-06	3.92E-06	4.67E-02	1.47E-05	6.25E-06
5454	488712.81, 3858336.38	2.67E-02	8.42E-06	3.57E-06	2.88E-02	9.09E-06	3.86E-06	4.60E-02	1.45E-05	6.15E-06
5455	488713.23, 3858367.46	2.59E-02	8.19E-06	3.47E-06	2.80E-02	8.84E-06	3.75E-06	4.45E-02	1.40E-05	5.96E-06
5456	488704.63, 3858384.05	2.57E-02	8.11E-06	3.44E-06	2.77E-02	8.76E-06	3.71E-06	4.40E-02	1.39E-05	5.89E-06
5457	488604.15, 3858488.29	2.48E-02	7.83E-06	3.32E-06	2.67E-02	8.42E-06	3.57E-06	4.10E-02	1.29E-05	5.49E-06
5458	488605.66, 3858550.47	2.31E-02	7.30E-06	3.10E-06	2.47E-02	7.81E-06	3.31E-06	3.68E-02	1.16E-05	4.93E-06
5459	488692.68, 3858548.71	2.16E-02	6.81E-06	2.89E-06	2.31E-02	7.30E-06	3.10E-06	3.48E-02	1.10E-05	4.66E-06
5460	488759.93, 3858461.81	2.26E-02	7.14E-06	3.03E-06	2.43E-02	7.68E-06	3.26E-06	3.79E-02	1.20E-05	5.08E-06
5461	488816.57, 3858541.79	2.00E-02	6.30E-06	2.67E-06	2.14E-02	6.76E-06	2.87E-06	3.27E-02	1.03E-05	4.37E-06
5462	488944.63, 3858656.77	1.69E-02	5.33E-06	2.26E-06	1.80E-02	5.69E-06	2.42E-06	2.66E-02	8.40E-06	3.56E-06
5463	489134.91, 3858830.7	1.33E-02	4.19E-06	1.78E-06	1.41E-02	4.46E-06	1.89E-06	2.03E-02	6.42E-06	2.72E-06
5464	489193.99, 3858886.05	1.17E-02	3.69E-06	1.56E-06	1.25E-02	3.94E-06	1.67E-06	1.82E-02	5.74E-06	2.44E-06
5465	489295.2, 3858954.34	9.89E-03	3.12E-06	1.32E-06	1.06E-02	3.34E-06	1.42E-06	1.58E-02	4.99E-06	2.12E-06
5466	489295.64, 3858992.74	9.25E-03	2.92E-06	1.24E-06	9.91E-03	3.13E-06	1.33E-06	1.49E-02	4.69E-06	1.99E-06
5467	489183.74, 3858911.72	1.12E-02	3.55E-06	1.50E-06	1.20E-02	3.78E-06	1.61E-06	1.75E-02	5.52E-06	2.34E-06
5468	488873.37, 3858625.59	1.80E-02	5.67E-06	2.41E-06	1.92E-02	6.07E-06	2.57E-06	2.85E-02	8.99E-06	3.82E-06
5469	488842.84, 3858658.69	1.80E-02	5.69E-06	2.41E-06	1.92E-02	6.07E-06	2.57E-06	2.79E-02	8.80E-06	3.74E-06
5470	488856.39, 3858670.93	1.78E-02	5.61E-06	2.38E-06	1.90E-02	5.98E-06	2.54E-06	2.74E-02	8.65E-06	3.67E-06
5471	488805.7, 3858724.5	1.88E-02	5.92E-06	2.51E-06	1.99E-02	6.28E-06	2.66E-06	2.74E-02	8.64E-06	3.66E-06
5472	488805.87, 3858804.16	2.16E-02	6.83E-06	2.90E-06	2.27E-02	7.17E-06	3.04E-06	2.88E-02	9.09E-06	3.86E-06
5473	488995.78, 3858936.96	1.21E-02	3.82E-06	1.62E-06	1.29E-02	4.06E-06	1.72E-06	1.80E-02	5.69E-06	2.41E-06
5474	489130.76, 3859017.38	9.09E-03	2.87E-06	1.22E-06	9.72E-03	3.07E-06	1.30E-06	1.44E-02	4.56E-06	1.93E-06
5475	489130.92, 3859052.24	8.41E-03	2.65E-06	1.13E-06	9.01E-03	2.84E-06	1.21E-06	1.35E-02	4.27E-06	1.81E-06
5476	489200.33, 3859090.6	7.80E-03	2.46E-06	1.04E-06	8.36E-03	2.64E-06	1.12E-06	1.27E-02	4.00E-06	1.70E-06
5477	489296.07, 3859143.7	7.14E-03	2.25E-06	9.56E-07	7.66E-03	2.42E-06	1.03E-06	1.17E-02	3.70E-06	1.57E-06
5478	489296.43, 3858954.74	9.88E-03	3.12E-06	1.32E-06	1.06E-02	3.34E-06	1.42E-06	1.58E-02	4.98E-06	2.11E-06
5479	489410.33, 3859033.19	8.48E-03	2.68E-06	1.14E-06	9.09E-03	2.87E-06	1.22E-06	1.38E-02	4.36E-06	1.85E-06
5480	489371.37, 3859089.8	7.79E-03	2.46E-06	1.04E-06	8.36E-03	2.64E-06	1.12E-06	1.27E-02	4.02E-06	1.71E-06
5481	489390.52, 3859102.82	7.62E-03	2.41E-06	1.02E-06	8.19E-03	2.58E-06	1.10E-06	1.25E-02	3.95E-06	1.67E-06
5482	489382.3, 3859114.53	7.49E-03	2.36E-06	1.00E-06	8.04E-03	2.54E-06	1.08E-06	1.23E-02	3.88E-06	1.65E-06
5483	489363.04, 3859102.45	7.64E-03	2.41E-06	1.02E-06	8.20E-03	2.59E-06	1.10E-06	1.25E-02	3.95E-06	1.68E-06
5484	489337.52, 3859140.71	7.18E-03	2.27E-06	9.62E-07	7.72E-03	2.44E-06	1.03E-06	1.18E-02	3.73E-06	1.58E-06
5485	489375.14, 3859164.55	6.93E-03	2.19E-06	9.29E-07	7.45E-03	2.35E-06	9.98E-07	1.14E-02	3.61E-06	1.53E-06
5486	489409.3, 3859114.5	7.49E-03	2.36E-06	1.00E-06	8.04E-03	2.54E-06	1.08E-06	1.23E-02	3.88E-06	1.65E-06

5487	489434.87, 3859131.81	7.29E-03	2.30E-06	9.76E-07	7.83E-03	2.47E-06	1.05E-06	1.20E-02	3.79E-06	1.61E-06
5488	489471.87, 3859075.75	7.90E-03	2.49E-06	1.06E-06	8.48E-03	2.68E-06	1.14E-06	1.30E-02	4.09E-06	1.74E-06
5489	489602.62, 3859164.69	6.94E-03	2.19E-06	9.30E-07	7.47E-03	2.36E-06	1.00E-06	1.15E-02	3.64E-06	1.54E-06
5490	489558.29, 3859232.45	6.36E-03	2.01E-06	8.51E-07	6.84E-03	2.16E-06	9.15E-07	1.06E-02	3.34E-06	1.42E-06
5491	489620.11, 3859273.56	6.04E-03	1.91E-06	8.09E-07	6.50E-03	2.05E-06	8.70E-07	1.01E-02	3.18E-06	1.35E-06
5492	489666.06, 3859206.42	6.58E-03	2.08E-06	8.81E-07	7.07E-03	2.23E-06	9.47E-07	1.10E-02	3.46E-06	1.47E-06
5493	489787.9, 3859285.65	5.98E-03	1.89E-06	8.01E-07	6.44E-03	2.03E-06	8.63E-07	1.00E-02	3.16E-06	1.34E-06
5494	489752.17, 3859343.13	5.59E-03	1.76E-06	7.49E-07	6.02E-03	1.90E-06	8.06E-07	9.37E-03	2.96E-06	1.26E-06
5495	489814.94, 3859385.33	5.35E-03	1.69E-06	7.16E-07	5.76E-03	1.82E-06	7.71E-07	8.98E-03	2.83E-06	1.20E-06
5496	489853.42, 3859330.74	5.69E-03	1.80E-06	7.63E-07	6.13E-03	1.93E-06	8.21E-07	9.56E-03	3.02E-06	1.28E-06
5497	489969.5, 3859401.91	5.29E-03	1.67E-06	7.08E-07	5.70E-03	1.80E-06	7.63E-07	8.90E-03	2.81E-06	1.19E-06
5498	490166.91, 3859486.96	4.88E-03	1.54E-06	6.53E-07	5.25E-03	1.66E-06	7.04E-07	8.23E-03	2.60E-06	1.10E-06
5499	490128.86, 3859571.46	4.47E-03	1.41E-06	5.99E-07	4.82E-03	1.52E-06	6.45E-07	7.55E-03	2.38E-06	1.01E-06
5500	490186.65, 3859593.65	4.39E-03	1.39E-06	5.88E-07	4.74E-03	1.49E-06	6.34E-07	7.43E-03	2.34E-06	9.95E-07
5501	490223.74, 3859517.48	4.74E-03	1.50E-06	6.35E-07	5.11E-03	1.61E-06	6.85E-07	8.02E-03	2.53E-06	1.07E-06
5502	490846.34, 3859817.22	3.79E-03	1.20E-06	5.07E-07	4.08E-03	1.29E-06	5.47E-07	6.44E-03	2.03E-06	8.63E-07
5503	490925.65, 3859844.59	3.72E-03	1.17E-06	4.98E-07	4.01E-03	1.27E-06	5.38E-07	6.34E-03	2.00E-06	8.49E-07
5504	491159.29, 3859896.28	3.59E-03	1.13E-06	4.81E-07	3.87E-03	1.22E-06	5.19E-07	6.12E-03	1.93E-06	8.20E-07
5505	491370.69, 3859960.89	3.42E-03	1.08E-06	4.58E-07	3.69E-03	1.16E-06	4.94E-07	5.83E-03	1.84E-06	7.81E-07
5506	491330.28, 3860063.17	3.16E-03	9.98E-07	4.23E-07	3.41E-03	1.08E-06	4.57E-07	5.39E-03	1.70E-06	7.21E-07
5507	491636.45, 3860180.75	2.96E-03	9.34E-07	3.96E-07	3.19E-03	1.01E-06	4.28E-07	5.05E-03	1.59E-06	6.76E-07
5508	491617.94, 3860203.93	2.91E-03	9.18E-07	3.90E-07	3.14E-03	9.91E-07	4.20E-07	4.96E-03	1.57E-06	6.65E-07
5509	491805.68, 3860271.59	2.80E-03	8.85E-07	3.75E-07	3.03E-03	9.55E-07	4.05E-07	4.79E-03	1.51E-06	6.41E-07
5510	491654.23, 3860414.02	2.53E-03	7.99E-07	3.39E-07	2.73E-03	8.62E-07	3.66E-07	4.32E-03	1.36E-06	5.78E-07
5511	491592.62, 3860510.76	2.34E-03	7.40E-07	3.14E-07	2.53E-03	7.98E-07	3.39E-07	4.00E-03	1.26E-06	5.35E-07
5512	491475.41, 3860368.93	2.55E-03	8.03E-07	3.41E-07	2.75E-03	8.67E-07	3.68E-07	4.34E-03	1.37E-06	5.81E-07
5513	491445.61, 3860337.28	2.59E-03	8.19E-07	3.47E-07	2.80E-03	8.83E-07	3.75E-07	4.42E-03	1.40E-06	5.92E-07
5514	491399.05, 3860300.37	2.66E-03	8.39E-07	3.56E-07	2.87E-03	9.05E-07	3.84E-07	4.53E-03	1.43E-06	6.06E-07
5515	491228.84, 3860235.98	2.74E-03	8.66E-07	3.68E-07	2.96E-03	9.34E-07	3.96E-07	4.67E-03	1.47E-06	6.26E-07
5516	491228.47, 3860174.57	2.88E-03	9.09E-07	3.85E-07	3.10E-03	9.80E-07	4.16E-07	4.90E-03	1.55E-06	6.56E-07
5517	491145.77, 3860112.55	3.01E-03	9.50E-07	4.03E-07	3.25E-03	1.02E-06	4.35E-07	5.12E-03	1.62E-06	6.86E-07
5518	490844.41, 3859966.22	3.34E-03	1.05E-06	4.47E-07	3.60E-03	1.14E-06	4.82E-07	5.68E-03	1.79E-06	7.60E-07
5519	490845.55, 3859928.15	3.45E-03	1.09E-06	4.61E-07	3.72E-03	1.17E-06	4.98E-07	5.86E-03	1.85E-06	7.85E-07
5520	490046.91, 3859625.6	4.21E-03	1.33E-06	5.64E-07	4.54E-03	1.43E-06	6.08E-07	7.12E-03	2.25E-06	9.54E-07
5521	489970.48, 3859589.4	4.34E-03	1.37E-06	5.82E-07	4.68E-03	1.48E-06	6.27E-07	7.34E-03	2.32E-06	9.83E-07
5522	489865.89, 3859529.06	4.59E-03	1.45E-06	6.14E-07	4.94E-03	1.56E-06	6.62E-07	7.74E-03	2.44E-06	1.04E-06
5523	489826.89, 3859531.74	4.56E-03	1.44E-06	6.11E-07	4.92E-03	1.55E-06	6.58E-07	7.70E-03	2.43E-06	1.03E-06
5524	489410.47, 3859303.06	5.72E-03	1.81E-06	7.67E-07	6.16E-03	1.94E-06	8.25E-07	9.57E-03	3.02E-06	1.28E-06
5525	489407.15, 3859286.09	5.85E-03	1.85E-06	7.83E-07	6.29E-03	1.99E-06	8.43E-07	9.76E-03	3.08E-06	1.31E-06
5526	488806.07, 3858963.62	1.07E-02	3.37E-06	1.43E-06	1.14E-02	3.59E-06	1.52E-06	1.63E-02	5.14E-06	2.18E-06
5527	488817.64, 3859546.3	4.72E-03	1.49E-06	6.32E-07	5.08E-03	1.60E-06	6.80E-07	7.94E-03	2.50E-06	1.06E-06
5528	489187.25, 3859549.52	4.64E-03	1.46E-06	6.21E-07	5.00E-03	1.58E-06	6.69E-07	7.82E-03	2.47E-06	1.05E-06
5529	489187.66, 3859523.74	4.73E-03	1.49E-06	6.34E-07	5.10E-03	1.61E-06	6.83E-07	7.97E-03	2.52E-06	1.07E-06
5530	489232.59, 3859522.85	4.72E-03	1.49E-06	6.32E-07	5.08E-03	1.60E-06	6.81E-07	7.95E-03	2.51E-06	1.06E-06
5531	489224.98, 3859759.91	3.99E-03	1.26E-06	5.34E-07	4.30E-03	1.36E-06	5.75E-07	6.75E-03	2.13E-06	9.03E-07
5532	488401.39, 3859763.34	3.82E-03	1.21E-06	5.11E-07	4.11E-03	1.30E-06	5.51E-07	6.42E-03	2.03E-06	8.59E-07
5533	488405.51, 3859966.16	3.31E-03	1.04E-06	4.43E-07	3.56E-03	1.12E-06	4.77E-07	5.57E-03	1.76E-06	7.46E-07
5534	489202.85, 3859956.57	3.50E-03	1.11E-06	4.69E-07	3.78E-03	1.19E-06	5.06E-07	5.94E-03	1.87E-06	7.95E-07
5535	489191.9, 3860676.74	2.27E-03	7.17E-07	3.04E-07	2.45E-03	7.72E-07	3.28E-07	3.85E-03	1.21E-06	5.16E-07
5536	488392.82, 3860687.88	2.20E-03	6.94E-07	2.94E-07	2.37E-03	7.48E-07	3.17E-07	3.71E-03	1.17E-06	4.97E-07
5537	488392.82, 3860760.27	2.13E-03	6.74E-07	2.86E-07	2.30E-03	7.26E-07	3.08E-07	3.61E-03	1.14E-06	4.83E-07
5538	487549.05, 3860777.45	2.04E-03	6.43E-07	2.73E-07	2.20E-03	6.93E-07	2.94E-07	3.43E-03	1.08E-06	4.59E-07
5539	487554.62, 3859571.83	4.17E-03	1.32E-06	5.59E-07	4.49E-03	1.42E-06	6.01E-07	6.99E-03	2.21E-06	9.37E-07
5540	485949.46, 3859558.54	3.67E-03	1.16E-06	4.92E-07	3.96E-03	1.25E-06	5.30E-07	6.19E-03	1.95E-06	8.29E-07
5541	485947.55, 3857943.61	1.35E-02	4.26E-06	1.81E-06	1.45E-02	4.59E-06	1.95E-06	2.27E-02	7.16E-06	3.04E-06
5542	484738.38, 3857940.21	7.46E-03	2.36E-06	9.99E-07	8.04E-03	2.54E-06	1.08E-06	1.26E-02	3.97E-06	1.68E-06
5543	484737.06, 3857535.68	9.62E-03	3.04E-06	1.29E-06	1.04E-02	3.27E-06	1.39E-06	1.62E-02	5.11E-06	2.17E-06
5544	483730.2, 3857530.13	6.41E-03	2.02E-06	8.59E-07	6.91E-03	2.18E-06	9.25E-07	1.08E-02	3.42E-06	1.45E-06
5545	483727.27, 3857130.01	7.79E-03	2.46E-06	1.04E-06	8.39E-03	2.65E-06	1.12E-06	1.32E-02	4.15E-06	1.76E-06
5546	483124.42, 3857123.45	6.13E-03	1.94E-06	8.21E-07	6.61E-03	2.09E-06	8.85E-07	1.04E-02	3.28E-06	1.39E-06
5547	483111.13, 3855921.03	1.05E-02	3.30E-06	1.40E-06	1.13E-02	3.56E-06	1.51E-06	1.78E-02	5.61E-06	2.38E-06

5548	482701.73, 3855918.24	8.20E-03	2.59E-06	1.10E-06	8.85E-03	2.79E-06	1.18E-06	1.40E-02	4.41E-06	1.87E-06
5549	482668.02, 3853521.78	5.39E-03	1.70E-06	7.22E-07	5.75E-03	1.81E-06	7.70E-07	8.35E-03	2.64E-06	1.12E-06
5550	482579.91, 3853219.19	3.05E-03	9.61E-07	4.08E-07	3.27E-03	1.03E-06	4.39E-07	5.05E-03	1.59E-06	6.76E-07
5551	482434.06, 3852961.94	2.39E-03	7.54E-07	3.20E-07	2.57E-03	8.12E-07	3.44E-07	4.00E-03	1.26E-06	5.36E-07
5552	482332.11, 3852832.85	2.18E-03	6.87E-07	2.92E-07	2.35E-03	7.40E-07	3.14E-07	3.66E-03	1.15E-06	4.89E-07
5553	481334.99, 3851818.96	1.30E-03	4.10E-07	1.74E-07	1.40E-03	4.42E-07	1.88E-07	2.20E-03	6.93E-07	2.94E-07
5554	481127.62, 3851646.36	1.22E-03	3.84E-07	1.63E-07	1.31E-03	4.14E-07	1.76E-07	2.06E-03	6.50E-07	2.76E-07
5555	481025.04, 3851591.73	1.20E-03	3.78E-07	1.60E-07	1.29E-03	4.08E-07	1.73E-07	2.03E-03	6.40E-07	2.71E-07
5556	480513.6, 3851335.76	1.11E-03	3.50E-07	1.49E-07	1.20E-03	3.78E-07	1.60E-07	1.89E-03	5.95E-07	2.53E-07
5557	480523.56, 3851317.66	1.10E-03	3.48E-07	1.48E-07	1.19E-03	3.75E-07	1.59E-07	1.87E-03	5.91E-07	2.51E-07
5558	476921.56, 3849569.11	3.89E-04	1.23E-07	5.20E-08	4.19E-04	1.32E-07	5.61E-08	6.58E-04	2.08E-07	8.81E-08
5559	476521.19, 3849373.96	3.68E-04	1.16E-07	4.93E-08	3.97E-04	1.25E-07	5.32E-08	6.25E-04	1.97E-07	8.37E-08
5560	476391.45, 3849333.38	3.67E-04	1.16E-07	4.92E-08	3.96E-04	1.25E-07	5.30E-08	6.23E-04	1.97E-07	8.35E-08
5561	476219.41, 3849304.29	3.69E-04	1.17E-07	4.94E-08	3.98E-04	1.26E-07	5.33E-08	6.26E-04	1.98E-07	8.38E-08
5562	475679.11, 3849218.47	3.61E-04	1.14E-07	4.84E-08	3.90E-04	1.23E-07	5.22E-08	6.14E-04	1.94E-07	8.22E-08
5563	475677.71, 3849233.88	3.64E-04	1.15E-07	4.88E-08	3.93E-04	1.24E-07	5.26E-08	6.19E-04	1.95E-07	8.28E-08
5564	475492.74, 3849204.66	3.21E-04	1.01E-07	4.30E-08	3.46E-04	1.09E-07	4.64E-08	5.47E-04	1.73E-07	7.32E-08
5565	475497.64, 3849158.75	3.33E-04	1.05E-07	4.45E-08	3.59E-04	1.13E-07	4.80E-08	5.66E-04	1.79E-07	7.58E-08
5566	475391.35, 3849141.94	3.46E-04	1.09E-07	4.63E-08	3.73E-04	1.18E-07	4.99E-08	5.88E-04	1.86E-07	7.88E-08
5567	475277, 3849095.47	3.46E-04	1.09E-07	4.63E-08	3.73E-04	1.18E-07	5.00E-08	5.89E-04	1.86E-07	7.88E-08
5568	475183.93, 3849025.66	3.39E-04	1.07E-07	4.55E-08	3.66E-04	1.16E-07	4.90E-08	5.78E-04	1.82E-07	7.73E-08
5569	474453.23, 3848378.77	2.93E-04	9.26E-08	3.93E-08	3.16E-04	9.98E-08	4.23E-08	4.99E-04	1.57E-07	6.68E-08
5570	474569.63, 3848399.34	2.90E-04	9.14E-08	3.88E-08	3.12E-04	9.86E-08	4.18E-08	4.93E-04	1.55E-07	6.60E-08
5571	474644.33, 3848464.52	2.95E-04	9.30E-08	3.95E-08	3.18E-04	1.00E-07	4.26E-08	5.01E-04	1.58E-07	6.71E-08
5572	474719.04, 3848529.7	2.99E-04	9.45E-08	4.01E-08	3.23E-04	1.02E-07	4.32E-08	5.09E-04	1.61E-07	6.82E-08
5573	474793.74, 3848594.88	3.01E-04	9.51E-08	4.04E-08	3.25E-04	1.03E-07	4.35E-08	5.13E-04	1.62E-07	6.87E-08
5574	474868.45, 3848660.07	3.01E-04	9.51E-08	4.04E-08	3.25E-04	1.03E-07	4.35E-08	5.13E-04	1.62E-07	6.87E-08
5575	474943.15, 3848725.25	3.04E-04	9.59E-08	4.07E-08	3.28E-04	1.03E-07	4.39E-08	5.17E-04	1.63E-07	6.92E-08
5576	475017.86, 3848790.43	3.10E-04	9.79E-08	4.15E-08	3.34E-04	1.06E-07	4.48E-08	5.28E-04	1.67E-07	7.07E-08
5577	475092.56, 3848855.61	3.18E-04	1.00E-07	4.26E-08	3.43E-04	1.08E-07	4.59E-08	5.41E-04	1.71E-07	7.25E-08
5578	475232.58, 3848959.38	3.28E-04	1.04E-07	4.40E-08	3.54E-04	1.12E-07	4.74E-08	5.59E-04	1.76E-07	7.48E-08
5579	475368.47, 3849029.98	3.31E-04	1.05E-07	4.44E-08	3.57E-04	1.13E-07	4.78E-08	5.64E-04	1.78E-07	7.55E-08
5580	475609.57, 3849096.09	3.30E-04	1.04E-07	4.42E-08	3.56E-04	1.12E-07	4.77E-08	5.61E-04	1.77E-07	7.52E-08
5581	475680.68, 3849116.62	3.39E-04	1.07E-07	4.53E-08	3.65E-04	1.15E-07	4.89E-08	5.76E-04	1.82E-07	7.71E-08
5582	475843.76, 3849151.52	3.46E-04	1.09E-07	4.63E-08	3.73E-04	1.18E-07	4.99E-08	5.87E-04	1.85E-07	7.86E-08
5583	475935.73, 3849165.89	3.53E-04	1.11E-07	4.73E-08	3.81E-04	1.20E-07	5.10E-08	5.99E-04	1.89E-07	8.03E-08
5584	476027.71, 3849180.27	3.57E-04	1.13E-07	4.78E-08	3.85E-04	1.22E-07	5.16E-08	6.06E-04	1.91E-07	8.11E-08
5585	476119.68, 3849194.64	3.50E-04	1.11E-07	4.69E-08	3.78E-04	1.19E-07	5.06E-08	5.95E-04	1.88E-07	7.97E-08
5586	476211.65, 3849209.01	3.48E-04	1.10E-07	4.66E-08	3.76E-04	1.19E-07	5.03E-08	5.91E-04	1.87E-07	7.92E-08
5587	476497.81, 3849283.9	3.50E-04	1.10E-07	4.68E-08	3.77E-04	1.19E-07	5.05E-08	5.94E-04	1.87E-07	7.95E-08
5588	476603.73, 3849323.77	3.54E-04	1.12E-07	4.74E-08	3.82E-04	1.20E-07	5.11E-08	6.00E-04	1.90E-07	8.04E-08
5589	476728.99, 3849382.76	3.60E-04	1.13E-07	4.82E-08	3.88E-04	1.22E-07	5.19E-08	6.10E-04	1.92E-07	8.16E-08
5590	476801.27, 3849418.65	3.64E-04	1.15E-07	4.87E-08	3.92E-04	1.24E-07	5.25E-08	6.16E-04	1.95E-07	8.25E-08
5591	476956.2, 3849495.05	3.73E-04	1.18E-07	4.99E-08	4.01E-04	1.27E-07	5.38E-08	6.31E-04	1.99E-07	8.45E-08
5592	477038.84, 3849535.56	3.75E-04	1.18E-07	5.02E-08	4.04E-04	1.28E-07	5.42E-08	6.35E-04	2.01E-07	8.51E-08
5593	477121.49, 3849576.08	3.80E-04	1.20E-07	5.09E-08	4.10E-04	1.29E-07	5.49E-08	6.44E-04	2.03E-07	8.62E-08
5594	477204.13, 3849616.6	3.84E-04	1.21E-07	5.14E-08	4.13E-04	1.30E-07	5.54E-08	6.49E-04	2.05E-07	8.70E-08
5595	477286.78, 3849657.12	3.81E-04	1.20E-07	5.10E-08	4.10E-04	1.30E-07	5.50E-08	6.45E-04	2.04E-07	8.64E-08
5596	477369.42, 3849697.63	3.94E-04	1.24E-07	5.28E-08	4.25E-04	1.34E-07	5.69E-08	6.67E-04	2.11E-07	8.94E-08
5597	477452.07, 3849738.15	3.99E-04	1.26E-07	5.34E-08	4.30E-04	1.36E-07	5.76E-08	6.75E-04	2.13E-07	9.04E-08
5598	477534.71, 3849778.67	4.11E-04	1.30E-07	5.50E-08	4.43E-04	1.40E-07	5.93E-08	6.95E-04	2.19E-07	9.30E-08
5599	477617.36, 3849819.18	4.17E-04	1.32E-07	5.59E-08	4.49E-04	1.42E-07	6.02E-08	7.05E-04	2.23E-07	9.44E-08
5600	477824.74, 3849896.37	4.41E-04	1.39E-07	5.90E-08	4.75E-04	1.50E-07	6.36E-08	7.45E-04	2.35E-07	9.97E-08
5601	477906.31, 3849936.37	4.40E-04	1.39E-07	5.90E-08	4.75E-04	1.50E-07	6.36E-08	7.45E-04	2.35E-07	9.98E-08
5602	477987.89, 3849976.36	4.55E-04	1.44E-07	6.09E-08	4.90E-04	1.55E-07	6.57E-08	7.70E-04	2.43E-07	1.03E-07
5603	478069.47, 3850016.36	4.60E-04	1.45E-07	6.16E-08	4.95E-04	1.56E-07	6.63E-08	7.78E-04	2.46E-07	1.04E-07
5604	478151.04, 3850056.35	4.66E-04	1.47E-07	6.24E-08	5.02E-04	1.58E-07	6.72E-08	7.89E-04	2.49E-07	1.06E-07
5605	478232.62, 3850096.35	4.80E-04	1.52E-07	6.43E-08	5.18E-04	1.63E-07	6.93E-08	8.14E-04	2.57E-07	1.09E-07
5606	478314.2, 3850136.34	4.97E-04	1.57E-07	6.65E-08	5.36E-04	1.69E-07	7.17E-08	8.42E-04	2.66E-07	1.13E-07
5607	478395.77, 3850176.34	5.15E-04	1.63E-07	6.90E-08	5.55E-04	1.75E-07	7.43E-08	8.73E-04	2.76E-07	1.17E-07
5608	478575.43, 3850244.45	5.63E-04	1.78E-07	7.54E-08	6.07E-04	1.92E-07	8.13E-08	9.56E-04	3.02E-07	1.28E-07

5609	478665.06, 3850287.29	5.88E-04	1.86E-07	7.88E-08	6.34E-04	2.00E-07	8.49E-08	9.98E-04	3.15E-07	1.34E-07
5610	478754.69, 3850330.14	6.15E-04	1.94E-07	8.24E-08	6.63E-04	2.09E-07	8.88E-08	1.04E-03	3.30E-07	1.40E-07
5611	478844.32, 3850372.99	6.44E-04	2.03E-07	8.63E-08	6.95E-04	2.19E-07	9.31E-08	1.09E-03	3.46E-07	1.47E-07
5612	478933.95, 3850415.84	6.75E-04	2.13E-07	9.04E-08	7.28E-04	2.30E-07	9.75E-08	1.15E-03	3.62E-07	1.54E-07
5613	479023.58, 3850458.68	6.99E-04	2.21E-07	9.37E-08	7.54E-04	2.38E-07	1.01E-07	1.19E-03	3.75E-07	1.59E-07
5614	479110.66, 3850441.91	7.37E-04	2.32E-07	9.86E-08	7.94E-04	2.51E-07	1.06E-07	1.25E-03	3.96E-07	1.68E-07
5615	479191.22, 3850423.99	7.64E-04	2.41E-07	1.02E-07	8.24E-04	2.60E-07	1.10E-07	1.30E-03	4.11E-07	1.74E-07
5616	479274.32, 3850465.71	7.84E-04	2.48E-07	1.05E-07	8.46E-04	2.67E-07	1.13E-07	1.34E-03	4.22E-07	1.79E-07
5617	479357.43, 3850507.42	8.01E-04	2.53E-07	1.07E-07	8.65E-04	2.73E-07	1.16E-07	1.37E-03	4.32E-07	1.83E-07
5618	479440.53, 3850549.14	8.16E-04	2.58E-07	1.09E-07	8.80E-04	2.78E-07	1.18E-07	1.39E-03	4.40E-07	1.87E-07
5619	479523.64, 3850590.85	8.31E-04	2.62E-07	1.11E-07	8.97E-04	2.83E-07	1.20E-07	1.42E-03	4.48E-07	1.90E-07
5620	479606.74, 3850632.57	8.48E-04	2.68E-07	1.14E-07	9.15E-04	2.89E-07	1.23E-07	1.45E-03	4.57E-07	1.94E-07
5621	479777.37, 3850707.61	8.75E-04	2.76E-07	1.17E-07	9.44E-04	2.98E-07	1.26E-07	1.50E-03	4.72E-07	2.00E-07
5622	479864.9, 3850740.95	8.88E-04	2.80E-07	1.19E-07	9.58E-04	3.02E-07	1.28E-07	1.52E-03	4.79E-07	2.03E-07
5623	479931.87, 3850829.57	9.16E-04	2.89E-07	1.23E-07	9.89E-04	3.12E-07	1.32E-07	1.57E-03	4.94E-07	2.10E-07
5624	479995.55, 3850926.75	9.52E-04	3.01E-07	1.28E-07	1.03E-03	3.24E-07	1.38E-07	1.63E-03	5.13E-07	2.18E-07
5625	480079.78, 3850968.64	9.71E-04	3.07E-07	1.30E-07	1.05E-03	3.31E-07	1.40E-07	1.66E-03	5.23E-07	2.22E-07
5626	480164.01, 3851010.54	9.88E-04	3.12E-07	1.32E-07	1.07E-03	3.36E-07	1.43E-07	1.68E-03	5.32E-07	2.26E-07
5627	480248.23, 3851052.43	1.00E-03	3.17E-07	1.34E-07	1.08E-03	3.42E-07	1.45E-07	1.71E-03	5.39E-07	2.29E-07
5628	480332.46, 3851094.33	1.02E-03	3.21E-07	1.36E-07	1.10E-03	3.46E-07	1.47E-07	1.73E-03	5.46E-07	2.32E-07
5629	480416.69, 3851136.22	1.03E-03	3.24E-07	1.37E-07	1.11E-03	3.49E-07	1.48E-07	1.75E-03	5.51E-07	2.34E-07
5630	480579.95, 3851215.17	1.04E-03	3.30E-07	1.40E-07	1.13E-03	3.55E-07	1.51E-07	1.77E-03	5.60E-07	2.38E-07
5631	480658.98, 3851252.22	1.05E-03	3.33E-07	1.41E-07	1.14E-03	3.58E-07	1.52E-07	1.79E-03	5.64E-07	2.39E-07
5632	480817.36, 3851327.85	1.07E-03	3.38E-07	1.43E-07	1.15E-03	3.64E-07	1.55E-07	1.81E-03	5.73E-07	2.43E-07
5633	480896.72, 3851366.43	1.08E-03	3.41E-07	1.45E-07	1.16E-03	3.67E-07	1.56E-07	1.83E-03	5.77E-07	2.45E-07
5634	480976.07, 3851405	1.09E-03	3.44E-07	1.46E-07	1.17E-03	3.70E-07	1.57E-07	1.84E-03	5.81E-07	2.47E-07
5635	481178, 3851487.31	1.10E-03	3.48E-07	1.48E-07	1.19E-03	3.75E-07	1.59E-07	1.86E-03	5.89E-07	2.50E-07
5636	481244.9, 3851557.17	1.14E-03	3.59E-07	1.52E-07	1.22E-03	3.86E-07	1.64E-07	1.92E-03	6.06E-07	2.57E-07
5637	481311.81, 3851627.03	1.17E-03	3.69E-07	1.56E-07	1.26E-03	3.97E-07	1.69E-07	1.97E-03	6.23E-07	2.64E-07
5638	481378.71, 3851696.89	1.20E-03	3.79E-07	1.61E-07	1.30E-03	4.09E-07	1.73E-07	2.03E-03	6.40E-07	2.72E-07
5639	481445.61, 3851766.76	1.24E-03	3.91E-07	1.66E-07	1.33E-03	4.21E-07	1.79E-07	2.09E-03	6.59E-07	2.80E-07
5640	481512.51, 3851836.62	1.27E-03	4.02E-07	1.71E-07	1.37E-03	4.33E-07	1.84E-07	2.15E-03	6.78E-07	2.88E-07
5641	481579.42, 3851906.48	1.31E-03	4.14E-07	1.76E-07	1.41E-03	4.46E-07	1.89E-07	2.21E-03	6.98E-07	2.96E-07
5642	481646.32, 3851976.34	1.35E-03	4.27E-07	1.81E-07	1.46E-03	4.60E-07	1.95E-07	2.28E-03	7.20E-07	3.05E-07
5643	481713.22, 3852046.2	1.39E-03	4.38E-07	1.86E-07	1.50E-03	4.72E-07	2.00E-07	2.34E-03	7.40E-07	3.14E-07
5644	481780.12, 3852116.06	1.44E-03	4.53E-07	1.92E-07	1.55E-03	4.88E-07	2.07E-07	2.42E-03	7.65E-07	3.25E-07
5645	481847.03, 3852185.92	1.49E-03	4.71E-07	2.00E-07	1.61E-03	5.08E-07	2.15E-07	2.52E-03	7.95E-07	3.37E-07
5646	481913.93, 3852255.78	1.55E-03	4.89E-07	2.07E-07	1.67E-03	5.26E-07	2.23E-07	2.61E-03	8.23E-07	3.49E-07
5647	481980.83, 3852325.65	1.61E-03	5.07E-07	2.15E-07	1.73E-03	5.46E-07	2.32E-07	2.70E-03	8.53E-07	3.62E-07
5648	482047.73, 3852395.51	1.66E-03	5.25E-07	2.23E-07	1.79E-03	5.65E-07	2.40E-07	2.80E-03	8.83E-07	3.75E-07
5649	482114.64, 3852465.37	1.72E-03	5.44E-07	2.31E-07	1.85E-03	5.85E-07	2.48E-07	2.89E-03	9.14E-07	3.88E-07
5650	482181.54, 3852535.23	1.79E-03	5.63E-07	2.39E-07	1.92E-03	6.07E-07	2.57E-07	3.00E-03	9.46E-07	4.02E-07
5651	482338.69, 3852700.05	1.95E-03	6.16E-07	2.62E-07	2.10E-03	6.64E-07	2.82E-07	3.27E-03	1.03E-06	4.38E-07
5652	482404.05, 3852767.78	2.03E-03	6.42E-07	2.72E-07	2.19E-03	6.91E-07	2.93E-07	3.41E-03	1.08E-06	4.56E-07
5653	482469.4, 3852835.52	2.13E-03	6.71E-07	2.85E-07	2.29E-03	7.22E-07	3.06E-07	3.56E-03	1.12E-06	4.76E-07
5654	482534.75, 3852903.25	2.23E-03	7.05E-07	2.99E-07	2.40E-03	7.58E-07	3.22E-07	3.73E-03	1.18E-06	5.00E-07
5655	482600.11, 3852970.99	2.36E-03	7.44E-07	3.16E-07	2.54E-03	8.01E-07	3.40E-07	3.94E-03	1.24E-06	5.27E-07
5656	482706.71, 3853119.28	2.72E-03	8.58E-07	3.64E-07	2.92E-03	9.23E-07	3.91E-07	4.52E-03	1.43E-06	6.06E-07
5657	482747.96, 3853199.84	2.97E-03	9.38E-07	3.98E-07	3.20E-03	1.01E-06	4.28E-07	4.92E-03	1.55E-06	6.59E-07
5658	482789.21, 3853280.4	3.29E-03	1.04E-06	4.41E-07	3.54E-03	1.12E-06	4.74E-07	5.41E-03	1.71E-06	7.24E-07
5659	482830.46, 3853360.96	3.77E-03	1.19E-06	5.05E-07	4.04E-03	1.27E-06	5.41E-07	6.07E-03	1.92E-06	8.13E-07
5660	482871.71, 3853441.52	5.86E-03	1.85E-06	7.84E-07	6.19E-03	1.95E-06	8.29E-07	8.35E-03	2.63E-06	1.12E-06
5661	482912.95, 3853522.07	1.12E-02	3.52E-06	1.49E-06	1.16E-02	3.67E-06	1.56E-06	1.38E-02	4.36E-06	1.85E-06
5662	482954.2, 3853602.63	1.12E-02	3.52E-06	1.49E-06	1.17E-02	3.69E-06	1.56E-06	1.44E-02	4.55E-06	1.93E-06
5663	482995.45, 3853683.19	1.17E-02	3.70E-06	1.57E-06	1.24E-02	3.90E-06	1.65E-06	1.64E-02	5.16E-06	2.19E-06
5664	483036.7, 3853763.75	1.37E-02	4.31E-06	1.83E-06	1.46E-02	4.60E-06	1.95E-06	2.12E-02	6.68E-06	2.83E-06
5665	483214.2, 3853909.91	1.47E-02	4.64E-06	1.97E-06	1.59E-02	5.02E-06	2.13E-06	2.58E-02	8.15E-06	3.46E-06
5666	483307.01, 3853910.44	1.33E-02	4.19E-06	1.78E-06	1.44E-02	4.53E-06	1.92E-06	2.33E-02	7.37E-06	3.12E-06
5667	483399.83, 3853910.96	1.20E-02	3.78E-06	1.60E-06	1.30E-02	4.09E-06	1.74E-06	2.11E-02	6.65E-06	2.82E-06
5668	483494.52, 3854009.24	1.38E-02	4.35E-06	1.85E-06	1.50E-02	4.73E-06	2.01E-06	2.49E-02	7.86E-06	3.33E-06
5669	483496.41, 3854106.98	1.71E-02	5.39E-06	2.29E-06	1.86E-02	5.87E-06	2.49E-06	3.14E-02	9.90E-06	4.20E-06

5670	483577.56, 3854261.96	2.00E-02	6.30E-06	2.68E-06	2.18E-02	6.87E-06	2.91E-06	3.67E-02	1.16E-05	4.91E-06
5671	483656.83, 3854319.19	1.95E-02	6.14E-06	2.61E-06	2.12E-02	6.68E-06	2.83E-06	3.54E-02	1.12E-05	4.74E-06
5672	483736.1, 3854376.41	1.88E-02	5.95E-06	2.52E-06	2.05E-02	6.46E-06	2.74E-06	3.40E-02	1.07E-05	4.55E-06
5673	483815.37, 3854433.64	1.84E-02	5.80E-06	2.46E-06	1.99E-02	6.29E-06	2.67E-06	3.28E-02	1.04E-05	4.39E-06
5674	483894.63, 3854490.87	1.80E-02	5.70E-06	2.42E-06	1.96E-02	6.17E-06	2.62E-06	3.19E-02	1.01E-05	4.27E-06
5675	483973.9, 3854548.1	1.81E-02	5.71E-06	2.42E-06	1.96E-02	6.18E-06	2.62E-06	3.17E-02	1.00E-05	4.24E-06
5676	484053.17, 3854605.32	1.89E-02	5.98E-06	2.54E-06	2.05E-02	6.46E-06	2.74E-06	3.28E-02	1.04E-05	4.39E-06
5677	484214.97, 3854698.15	2.04E-02	6.45E-06	2.74E-06	2.20E-02	6.95E-06	2.95E-06	3.48E-02	1.10E-05	4.65E-06
5678	484297.5, 3854733.74	2.16E-02	6.81E-06	2.89E-06	2.32E-02	7.34E-06	3.11E-06	3.64E-02	1.15E-05	4.88E-06
5679	484380.03, 3854769.34	2.18E-02	6.87E-06	2.91E-06	2.34E-02	7.39E-06	3.14E-06	3.66E-02	1.16E-05	4.90E-06
5680	484462.56, 3854804.94	2.26E-02	7.14E-06	3.03E-06	2.43E-02	7.68E-06	3.26E-06	3.80E-02	1.20E-05	5.09E-06
5681	484545.09, 3854840.53	2.24E-02	7.06E-06	2.99E-06	2.41E-02	7.60E-06	3.22E-06	3.75E-02	1.19E-05	5.03E-06
5682	484691.88, 3854912.59	2.41E-02	7.61E-06	3.23E-06	2.60E-02	8.19E-06	3.48E-06	4.04E-02	1.28E-05	5.41E-06
5683	484830.81, 3855012.51	2.66E-02	8.39E-06	3.56E-06	2.86E-02	9.03E-06	3.83E-06	4.44E-02	1.40E-05	5.95E-06
5684	484905.48, 3855075.97	2.94E-02	9.27E-06	3.93E-06	3.16E-02	9.97E-06	4.23E-06	4.91E-02	1.55E-05	6.58E-06
5685	484980.14, 3855139.44	3.12E-02	9.85E-06	4.18E-06	3.36E-02	1.06E-05	4.50E-06	5.23E-02	1.65E-05	7.00E-06
5686	485054.81, 3855202.91	3.22E-02	1.02E-05	4.31E-06	3.47E-02	1.09E-05	4.64E-06	5.40E-02	1.70E-05	7.23E-06
5687	485129.48, 3855266.37	3.20E-02	1.01E-05	4.28E-06	3.44E-02	1.09E-05	4.61E-06	5.36E-02	1.69E-05	7.17E-06
5688	485204.15, 3855329.84	3.37E-02	1.06E-05	4.52E-06	3.63E-02	1.15E-05	4.86E-06	5.67E-02	1.79E-05	7.59E-06
5689	485278.82, 3855393.31	3.43E-02	1.08E-05	4.59E-06	3.69E-02	1.16E-05	4.94E-06	5.77E-02	1.82E-05	7.72E-06
5690	485353.48, 3855456.77	3.53E-02	1.11E-05	4.73E-06	3.81E-02	1.20E-05	5.10E-06	5.96E-02	1.88E-05	7.98E-06
5691	485428.15, 3855520.24	3.57E-02	1.13E-05	4.78E-06	3.84E-02	1.21E-05	5.15E-06	6.03E-02	1.90E-05	8.08E-06
5692	485502.82, 3855583.71	3.61E-02	1.14E-05	4.84E-06	3.89E-02	1.23E-05	5.22E-06	6.12E-02	1.93E-05	8.20E-06
5693	485577.49, 3855647.17	3.75E-02	1.18E-05	5.02E-06	4.05E-02	1.28E-05	5.42E-06	6.38E-02	2.01E-05	8.54E-06
5694	485652.16, 3855710.64	3.89E-02	1.23E-05	5.21E-06	4.19E-02	1.32E-05	5.62E-06	6.63E-02	2.09E-05	8.88E-06
5695	485726.83, 3855774.11	3.93E-02	1.24E-05	5.26E-06	4.24E-02	1.34E-05	5.68E-06	6.72E-02	2.12E-05	9.00E-06
5696	485801.49, 3855837.57	3.92E-02	1.24E-05	5.24E-06	4.23E-02	1.33E-05	5.66E-06	6.70E-02	2.12E-05	8.98E-06
5697	485876.16, 3855901.04	3.95E-02	1.25E-05	5.29E-06	4.26E-02	1.35E-05	5.71E-06	6.77E-02	2.14E-05	9.07E-06
5698	485950.83, 3855964.5	3.94E-02	1.24E-05	5.28E-06	4.26E-02	1.34E-05	5.70E-06	6.77E-02	2.14E-05	9.07E-06
5699	486025.5, 3856027.97	3.88E-02	1.22E-05	5.19E-06	4.19E-02	1.32E-05	5.61E-06	6.67E-02	2.10E-05	8.93E-06
5700	486100.17, 3856091.44	4.05E-02	1.28E-05	5.43E-06	4.38E-02	1.38E-05	5.86E-06	6.98E-02	2.20E-05	9.35E-06
5701	486174.83, 3856154.9	3.95E-02	1.25E-05	5.30E-06	4.27E-02	1.35E-05	5.72E-06	6.82E-02	2.15E-05	9.14E-06
5702	486249.5, 3856218.37	3.71E-02	1.17E-05	4.97E-06	4.01E-02	1.27E-05	5.37E-06	6.41E-02	2.02E-05	8.58E-06
5703	486324.17, 3856281.84	3.53E-02	1.11E-05	4.73E-06	3.82E-02	1.20E-05	5.11E-06	6.10E-02	1.92E-05	8.17E-06
5704	486398.84, 3856345.3	3.61E-02	1.14E-05	4.83E-06	3.90E-02	1.23E-05	5.22E-06	6.23E-02	1.97E-05	8.35E-06
5705	486473.51, 3856408.77	3.62E-02	1.14E-05	4.85E-06	3.91E-02	1.23E-05	5.24E-06	6.26E-02	1.98E-05	8.38E-06
5706	486548.17, 3856472.24	3.72E-02	1.17E-05	4.98E-06	4.02E-02	1.27E-05	5.38E-06	6.42E-02	2.03E-05	8.60E-06
5707	486622.84, 3856535.7	3.82E-02	1.21E-05	5.12E-06	4.13E-02	1.30E-05	5.53E-06	6.60E-02	2.08E-05	8.84E-06
5708	486765.48, 3856659.69	4.10E-02	1.29E-05	5.49E-06	4.43E-02	1.40E-05	5.93E-06	7.08E-02	2.24E-05	9.49E-06
5709	486833.44, 3856720.2	4.20E-02	1.33E-05	5.63E-06	4.54E-02	1.43E-05	6.08E-06	7.27E-02	2.29E-05	9.73E-06
5710	486901.41, 3856780.72	4.34E-02	1.37E-05	5.81E-06	4.69E-02	1.48E-05	6.28E-06	7.51E-02	2.37E-05	1.01E-05
5711	486969.38, 3856841.24	4.45E-02	1.40E-05	5.96E-06	4.81E-02	1.52E-05	6.44E-06	7.70E-02	2.43E-05	1.03E-05
5712	487037.34, 3856901.75	4.54E-02	1.43E-05	6.08E-06	4.91E-02	1.55E-05	6.58E-06	7.87E-02	2.48E-05	1.05E-05
5713	487271.23, 3856855.51	3.79E-02	1.20E-05	5.07E-06	4.09E-02	1.29E-05	5.48E-06	6.55E-02	2.07E-05	8.78E-06
5714	487368.96, 3856857.29	3.60E-02	1.14E-05	4.83E-06	3.89E-02	1.23E-05	5.22E-06	6.23E-02	1.97E-05	8.35E-06
5715	487466.68, 3856859.06	3.45E-02	1.09E-05	4.61E-06	3.72E-02	1.18E-05	4.99E-06	5.96E-02	1.88E-05	7.98E-06
5716	487636.44, 3856930	3.34E-02	1.05E-05	4.48E-06	3.61E-02	1.14E-05	4.84E-06	5.78E-02	1.83E-05	7.74E-06
5717	487709.57, 3856928.43	3.23E-02	1.02E-05	4.33E-06	3.49E-02	1.10E-05	4.68E-06	5.59E-02	1.76E-05	7.49E-06
5718	487782.55, 3856841.96	2.95E-02	9.33E-06	3.96E-06	3.19E-02	1.01E-05	4.28E-06	5.11E-02	1.61E-05	6.84E-06
5719	487849.83, 3856754.74	2.73E-02	8.60E-06	3.65E-06	2.95E-02	9.30E-06	3.94E-06	4.71E-02	1.49E-05	6.31E-06
5720	487918.03, 3856819.39	2.77E-02	8.73E-06	3.71E-06	2.99E-02	9.44E-06	4.00E-06	4.78E-02	1.51E-05	6.40E-06
5721	487918.8, 3856886.37	2.88E-02	9.09E-06	3.86E-06	3.11E-02	9.82E-06	4.17E-06	4.98E-02	1.57E-05	6.67E-06
5722	488065.47, 3857127.51	3.08E-02	9.74E-06	4.13E-06	3.33E-02	1.05E-05	4.47E-06	5.35E-02	1.69E-05	7.16E-06
5723	488192.19, 3857385.84	3.33E-02	1.05E-05	4.45E-06	3.60E-02	1.13E-05	4.82E-06	5.79E-02	1.83E-05	7.75E-06
5724	488191.22, 3857473.87	3.47E-02	1.10E-05	4.65E-06	3.76E-02	1.19E-05	5.03E-06	6.05E-02	1.91E-05	8.10E-06
5725	488190.24, 3857561.91	3.62E-02	1.14E-05	4.85E-06	3.92E-02	1.24E-05	5.25E-06	6.32E-02	1.99E-05	8.46E-06
5726	488158.35, 3857691.13	3.95E-02	1.25E-05	5.28E-06	4.27E-02	1.35E-05	5.72E-06	6.89E-02	2.17E-05	9.23E-06
5727	488208.37, 3857816.66	4.03E-02	1.27E-05	5.39E-06	4.36E-02	1.38E-05	5.84E-06	7.04E-02	2.22E-05	9.43E-06
5728	488271.97, 3857874.6	3.92E-02	1.24E-05	5.24E-06	4.24E-02	1.34E-05	5.68E-06	6.85E-02	2.16E-05	9.18E-06
5729	488463.56, 3857942.31	3.44E-02	1.09E-05	4.61E-06	3.72E-02	1.17E-05	4.98E-06	6.00E-02	1.89E-05	8.04E-06
5730	488554.83, 3857940.83	3.22E-02	1.02E-05	4.31E-06	3.48E-02	1.10E-05	4.66E-06	5.61E-02	1.77E-05	7.51E-06

5731	488646.1, 3857939.36	3.02E-02	9.54E-06	4.05E-06	3.27E-02	1.03E-05	4.38E-06	5.26E-02	1.66E-05	7.05E-06
5732	488737.37, 3857937.88	2.85E-02	8.99E-06	3.81E-06	3.08E-02	9.72E-06	4.12E-06	4.96E-02	1.56E-05	6.64E-06
5733	488733.59, 3857960.57	2.86E-02	9.04E-06	3.83E-06	3.10E-02	9.77E-06	4.15E-06	4.99E-02	1.57E-05	6.68E-06
5734	488638.09, 3857961.57	3.05E-02	9.62E-06	4.08E-06	3.30E-02	1.04E-05	4.42E-06	5.31E-02	1.68E-05	7.11E-06
5735	488542.6, 3857962.56	3.26E-02	1.03E-05	4.37E-06	3.53E-02	1.11E-05	4.72E-06	5.68E-02	1.79E-05	7.61E-06
5736	488447.1, 3857963.56	3.50E-02	1.11E-05	4.69E-06	3.79E-02	1.20E-05	5.07E-06	6.11E-02	1.93E-05	8.19E-06
5737	488254.28, 3857890.36	4.00E-02	1.26E-05	5.35E-06	4.33E-02	1.37E-05	5.80E-06	7.00E-02	2.21E-05	9.37E-06
5738	488191.69, 3857833.06	4.12E-02	1.30E-05	5.51E-06	4.46E-02	1.41E-05	5.97E-06	7.21E-02	2.27E-05	9.65E-06
5739	488129.5, 3857907.43	4.51E-02	1.42E-05	6.04E-06	4.89E-02	1.54E-05	6.54E-06	7.93E-02	2.50E-05	1.06E-05
5740	488196.47, 3857968.74	4.36E-02	1.38E-05	5.84E-06	4.72E-02	1.49E-05	6.32E-06	7.66E-02	2.42E-05	1.03E-05
5741	488263.44, 3858030.04	4.22E-02	1.33E-05	5.65E-06	4.57E-02	1.44E-05	6.11E-06	7.41E-02	2.34E-05	9.92E-06
5742	488400.64, 3858132.9	3.85E-02	1.22E-05	5.16E-06	4.17E-02	1.32E-05	5.58E-06	6.74E-02	2.13E-05	9.03E-06
5743	488519.89, 3858218.38	3.42E-02	1.08E-05	4.57E-06	3.69E-02	1.17E-05	4.95E-06	5.94E-02	1.88E-05	7.96E-06
5744	488647.97, 3858214.99	3.02E-02	9.53E-06	4.04E-06	3.26E-02	1.03E-05	4.37E-06	5.24E-02	1.65E-05	7.02E-06
5745	488727.05, 3858167.67	2.86E-02	9.02E-06	3.83E-06	3.09E-02	9.75E-06	4.14E-06	4.96E-02	1.57E-05	6.65E-06
5746	488806.12, 3858120.35	2.72E-02	8.58E-06	3.64E-06	2.94E-02	9.28E-06	3.94E-06	4.72E-02	1.49E-05	6.33E-06
5747	488885.2, 3858073.03	2.59E-02	8.18E-06	3.47E-06	2.80E-02	8.85E-06	3.76E-06	4.51E-02	1.42E-05	6.04E-06
5748	489055.76, 3857991.18	2.36E-02	7.46E-06	3.16E-06	2.56E-02	8.07E-06	3.42E-06	4.11E-02	1.30E-05	5.51E-06
5749	489245.39, 3857944.55	2.15E-02	6.79E-06	2.88E-06	2.33E-02	7.34E-06	3.11E-06	3.74E-02	1.18E-05	5.01E-06
5750	489430.63, 3857930.91	1.97E-02	6.21E-06	2.63E-06	2.13E-02	6.71E-06	2.85E-06	3.42E-02	1.08E-05	4.58E-06
5751	489517.74, 3857929.36	1.89E-02	5.96E-06	2.53E-06	2.04E-02	6.45E-06	2.73E-06	3.28E-02	1.04E-05	4.40E-06
5752	489604.86, 3857927.82	1.82E-02	5.73E-06	2.43E-06	1.96E-02	6.20E-06	2.63E-06	3.16E-02	9.96E-06	4.23E-06
5753	489691.97, 3857926.28	1.75E-02	5.51E-06	2.34E-06	1.89E-02	5.96E-06	2.53E-06	3.04E-02	9.58E-06	4.07E-06
5754	489779.08, 3857924.73	1.68E-02	5.31E-06	2.25E-06	1.82E-02	5.74E-06	2.44E-06	2.92E-02	9.23E-06	3.92E-06
5755	490017.55, 3857875.09	1.54E-02	4.85E-06	2.06E-06	1.66E-02	5.25E-06	2.23E-06	2.67E-02	8.43E-06	3.58E-06
5756	490033.82, 3857960.81	1.50E-02	4.75E-06	2.01E-06	1.63E-02	5.13E-06	2.18E-06	2.61E-02	8.24E-06	3.49E-06
5757	489959.15, 3857987.49	1.54E-02	4.87E-06	2.06E-06	1.67E-02	5.26E-06	2.23E-06	2.67E-02	8.44E-06	3.58E-06
5758	489791.49, 3858016.12	1.64E-02	5.18E-06	2.20E-06	1.78E-02	5.60E-06	2.38E-06	2.85E-02	8.99E-06	3.82E-06
5759	489698.51, 3858018.07	1.71E-02	5.40E-06	2.29E-06	1.85E-02	5.83E-06	2.48E-06	2.97E-02	9.37E-06	3.97E-06
5760	489605.52, 3858020.02	1.78E-02	5.63E-06	2.39E-06	1.93E-02	6.08E-06	2.58E-06	3.10E-02	9.77E-06	4.15E-06
5761	489512.53, 3858021.96	1.86E-02	5.87E-06	2.49E-06	2.01E-02	6.35E-06	2.69E-06	3.23E-02	1.02E-05	4.33E-06
5762	489419.55, 3858023.91	1.95E-02	6.14E-06	2.60E-06	2.10E-02	6.64E-06	2.82E-06	3.38E-02	1.07E-05	4.53E-06
5763	489228.47, 3858041.29	2.14E-02	6.76E-06	2.87E-06	2.31E-02	7.31E-06	3.10E-06	3.72E-02	1.18E-05	4.99E-06
5764	489065.75, 3858085.78	2.32E-02	7.32E-06	3.11E-06	2.51E-02	7.92E-06	3.36E-06	4.03E-02	1.27E-05	5.40E-06
5765	489001.12, 3858114.86	2.40E-02	7.56E-06	3.21E-06	2.59E-02	8.17E-06	3.47E-06	4.16E-02	1.31E-05	5.58E-06
5766	488861.89, 3858189.81	2.58E-02	8.13E-06	3.45E-06	2.79E-02	8.79E-06	3.73E-06	4.48E-02	1.41E-05	5.99E-06
5767	488787.29, 3858235.69	2.67E-02	8.43E-06	3.57E-06	2.89E-02	9.11E-06	3.86E-06	4.63E-02	1.46E-05	6.20E-06
5768	488712.68, 3858281.57	2.78E-02	8.78E-06	3.73E-06	3.01E-02	9.49E-06	4.03E-06	4.82E-02	1.52E-05	6.46E-06
5769	488654.39, 3858436.17	2.53E-02	8.00E-06	3.39E-06	2.73E-02	8.62E-06	3.66E-06	4.28E-02	1.35E-05	5.73E-06
5770	488726.31, 3858505.26	2.21E-02	6.96E-06	2.95E-06	2.37E-02	7.48E-06	3.17E-06	3.64E-02	1.15E-05	4.87E-06
5771	488880.6, 3858599.28	1.82E-02	5.76E-06	2.44E-06	1.95E-02	6.16E-06	2.62E-06	2.93E-02	9.24E-06	3.92E-06
5772	489008.06, 3858714.75	1.58E-02	4.98E-06	2.11E-06	1.68E-02	5.31E-06	2.25E-06	2.44E-02	7.71E-06	3.27E-06
5773	489071.48, 3858772.72	1.47E-02	4.64E-06	1.97E-06	1.57E-02	4.94E-06	2.10E-06	2.25E-02	7.10E-06	3.01E-06
5774	489244.6, 3858920.2	1.07E-02	3.38E-06	1.43E-06	1.14E-02	3.61E-06	1.53E-06	1.69E-02	5.34E-06	2.26E-06
5775	489239.69, 3858952.23	1.01E-02	3.20E-06	1.36E-06	1.08E-02	3.42E-06	1.45E-06	1.60E-02	5.07E-06	2.15E-06
5776	489121.67, 3858854.49	1.30E-02	4.11E-06	1.74E-06	1.39E-02	4.37E-06	1.86E-06	1.98E-02	6.26E-06	2.66E-06
5777	489059.59, 3858797.27	1.47E-02	4.63E-06	1.96E-06	1.56E-02	4.92E-06	2.09E-06	2.21E-02	6.98E-06	2.96E-06
5778	488997.52, 3858740.04	1.58E-02	4.97E-06	2.11E-06	1.68E-02	5.30E-06	2.25E-06	2.41E-02	7.59E-06	3.22E-06
5779	488935.44, 3858682.82	1.68E-02	5.29E-06	2.24E-06	1.79E-02	5.64E-06	2.39E-06	2.60E-02	8.22E-06	3.49E-06
5780	488869.17, 3858848.43	2.10E-02	6.62E-06	2.81E-06	2.20E-02	6.94E-06	2.94E-06	2.76E-02	8.70E-06	3.69E-06
5781	488932.48, 3858892.69	1.64E-02	5.19E-06	2.20E-06	1.73E-02	5.47E-06	2.32E-06	2.27E-02	7.15E-06	3.03E-06
5782	489063.27, 3858977.17	1.02E-02	3.22E-06	1.37E-06	1.09E-02	3.44E-06	1.46E-06	1.58E-02	5.00E-06	2.12E-06
5783	489248.2, 3859117.15	7.45E-03	2.35E-06	9.97E-07	7.99E-03	2.52E-06	1.07E-06	1.22E-02	3.85E-06	1.63E-06
5784	489296.25, 3859049.22	8.38E-03	2.64E-06	1.12E-06	8.98E-03	2.83E-06	1.20E-06	1.36E-02	4.28E-06	1.82E-06
5785	489353.38, 3858993.97	9.11E-03	2.88E-06	1.22E-06	9.77E-03	3.08E-06	1.31E-06	1.47E-02	4.65E-06	1.97E-06
5786	489537.25, 3859120.22	7.39E-03	2.33E-06	9.89E-07	7.94E-03	2.51E-06	1.06E-06	1.22E-02	3.85E-06	1.63E-06
5787	489726.98, 3859246.04	6.27E-03	1.98E-06	8.39E-07	6.74E-03	2.13E-06	9.03E-07	1.05E-02	3.30E-06	1.40E-06
5788	489911.46, 3859366.33	5.50E-03	1.73E-06	7.36E-07	5.92E-03	1.87E-06	7.92E-07	9.24E-03	2.92E-06	1.24E-06
5789	490035.3, 3859430.26	5.14E-03	1.62E-06	6.88E-07	5.54E-03	1.75E-06	7.41E-07	8.66E-03	2.73E-06	1.16E-06
5790	490101.11, 3859458.61	5.00E-03	1.58E-06	6.70E-07	5.39E-03	1.70E-06	7.22E-07	8.44E-03	2.66E-06	1.13E-06
5791	490312.68, 3859560.3	4.57E-03	1.44E-06	6.12E-07	4.93E-03	1.56E-06	6.60E-07	7.74E-03	2.44E-06	1.04E-06

5792	490401.63, 3859603.12	4.42E-03	1.39E-06	5.91E-07	4.76E-03	1.50E-06	6.37E-07	7.48E-03	2.36E-06	1.00E-06
5793	490490.57, 3859645.94	4.27E-03	1.35E-06	5.72E-07	4.61E-03	1.45E-06	6.17E-07	7.24E-03	2.29E-06	9.70E-07
5794	490579.51, 3859688.76	4.14E-03	1.31E-06	5.55E-07	4.47E-03	1.41E-06	5.98E-07	7.03E-03	2.22E-06	9.41E-07
5795	490668.45, 3859731.58	4.02E-03	1.27E-06	5.39E-07	4.34E-03	1.37E-06	5.81E-07	6.84E-03	2.16E-06	9.16E-07
5796	490757.4, 3859774.4	3.90E-03	1.23E-06	5.22E-07	4.20E-03	1.33E-06	5.63E-07	6.63E-03	2.09E-06	8.87E-07
5797	491003.53, 3859861.82	3.67E-03	1.16E-06	4.92E-07	3.96E-03	1.25E-06	5.31E-07	6.26E-03	1.98E-06	8.38E-07
5798	491081.41, 3859879.05	3.63E-03	1.15E-06	4.86E-07	3.92E-03	1.24E-06	5.25E-07	6.19E-03	1.95E-06	8.29E-07
5799	491229.76, 3859917.82	3.53E-03	1.12E-06	4.73E-07	3.81E-03	1.20E-06	5.10E-07	6.02E-03	1.90E-06	8.07E-07
5800	491300.22, 3859939.35	3.48E-03	1.10E-06	4.66E-07	3.75E-03	1.18E-06	5.02E-07	5.93E-03	1.87E-06	7.94E-07
5801	491350.49, 3860012.03	3.29E-03	1.04E-06	4.40E-07	3.55E-03	1.12E-06	4.75E-07	5.61E-03	1.77E-06	7.51E-07
5802	491406.82, 3860092.57	3.11E-03	9.81E-07	4.16E-07	3.35E-03	1.06E-06	4.49E-07	5.30E-03	1.67E-06	7.09E-07
5803	491483.37, 3860121.96	3.06E-03	9.65E-07	4.09E-07	3.30E-03	1.04E-06	4.41E-07	5.21E-03	1.64E-06	6.98E-07
5804	491559.91, 3860151.36	3.00E-03	9.48E-07	4.02E-07	3.24E-03	1.02E-06	4.34E-07	5.12E-03	1.62E-06	6.86E-07
5805	491711.81, 3860237.76	2.91E-03	9.20E-07	3.90E-07	3.14E-03	9.93E-07	4.21E-07	4.98E-03	1.57E-06	6.67E-07
5806	491755.2, 3860319.07	2.70E-03	8.51E-07	3.61E-07	2.91E-03	9.18E-07	3.89E-07	4.60E-03	1.45E-06	6.16E-07
5807	491704.71, 3860366.54	2.61E-03	8.23E-07	3.49E-07	2.81E-03	8.88E-07	3.77E-07	4.45E-03	1.40E-06	5.96E-07
5808	491623.43, 3860462.39	2.43E-03	7.66E-07	3.25E-07	2.62E-03	8.27E-07	3.51E-07	4.14E-03	1.31E-06	5.54E-07
5809	491534.02, 3860439.85	2.52E-03	7.94E-07	3.37E-07	2.71E-03	8.56E-07	3.63E-07	4.29E-03	1.35E-06	5.75E-07
5810	491313.95, 3860268.18	2.69E-03	8.50E-07	3.61E-07	2.90E-03	9.17E-07	3.89E-07	4.59E-03	1.45E-06	6.14E-07
5811	491187.12, 3860143.56	2.95E-03	9.30E-07	3.94E-07	3.18E-03	1.00E-06	4.25E-07	5.01E-03	1.58E-06	6.72E-07
5812	491070.43, 3860075.97	3.09E-03	9.75E-07	4.14E-07	3.33E-03	1.05E-06	4.46E-07	5.26E-03	1.66E-06	7.04E-07
5813	490995.09, 3860039.39	3.16E-03	9.99E-07	4.24E-07	3.41E-03	1.08E-06	4.57E-07	5.38E-03	1.70E-06	7.21E-07
5814	490919.75, 3860002.8	3.24E-03	1.02E-06	4.34E-07	3.50E-03	1.10E-06	4.68E-07	5.51E-03	1.74E-06	7.38E-07
5815	490756.81, 3859894.53	3.52E-03	1.11E-06	4.71E-07	3.79E-03	1.20E-06	5.08E-07	5.98E-03	1.89E-06	8.01E-07
5816	490668.07, 3859860.92	3.58E-03	1.13E-06	4.80E-07	3.87E-03	1.22E-06	5.18E-07	6.09E-03	1.92E-06	8.15E-07
5817	490579.34, 3859827.3	3.66E-03	1.16E-06	4.91E-07	3.95E-03	1.25E-06	5.29E-07	6.22E-03	1.96E-06	8.33E-07
5818	490490.6, 3859793.68	3.74E-03	1.18E-06	5.00E-07	4.03E-03	1.27E-06	5.39E-07	6.34E-03	2.00E-06	8.48E-07
5819	490401.86, 3859760.07	3.81E-03	1.20E-06	5.11E-07	4.11E-03	1.30E-06	5.50E-07	6.46E-03	2.04E-06	8.65E-07
5820	490313.12, 3859726.45	3.90E-03	1.23E-06	5.23E-07	4.21E-03	1.33E-06	5.63E-07	6.61E-03	2.09E-06	8.85E-07
5821	490224.39, 3859692.83	4.00E-03	1.26E-06	5.36E-07	4.31E-03	1.36E-06	5.77E-07	6.77E-03	2.14E-06	9.06E-07
5822	490135.65, 3859659.22	4.11E-03	1.30E-06	5.50E-07	4.43E-03	1.40E-06	5.93E-07	6.95E-03	2.19E-06	9.30E-07
5823	489918.19, 3859559.23	4.47E-03	1.41E-06	5.98E-07	4.81E-03	1.52E-06	6.44E-07	7.54E-03	2.38E-06	1.01E-06
5824	489743.61, 3859486	4.75E-03	1.50E-06	6.37E-07	5.12E-03	1.62E-06	6.86E-07	8.01E-03	2.53E-06	1.07E-06
5825	489660.32, 3859440.27	4.96E-03	1.57E-06	6.65E-07	5.34E-03	1.69E-06	7.16E-07	8.35E-03	2.64E-06	1.12E-06
5826	489577.04, 3859394.53	5.19E-03	1.64E-06	6.95E-07	5.59E-03	1.76E-06	7.49E-07	8.72E-03	2.75E-06	1.17E-06
5827	489493.75, 3859348.8	5.44E-03	1.72E-06	7.29E-07	5.86E-03	1.85E-06	7.85E-07	9.12E-03	2.88E-06	1.22E-06
5828	489321.28, 3859240.02	6.18E-03	1.95E-06	8.27E-07	6.64E-03	2.10E-06	8.90E-07	1.03E-02	3.24E-06	1.38E-06
5829	489235.41, 3859193.96	6.57E-03	2.07E-06	8.79E-07	7.06E-03	2.23E-06	9.45E-07	1.09E-02	3.43E-06	1.46E-06
5830	489149.54, 3859147.89	7.00E-03	2.21E-06	9.37E-07	7.52E-03	2.37E-06	1.01E-06	1.15E-02	3.63E-06	1.54E-06
5831	489063.68, 3859101.82	7.55E-03	2.38E-06	1.01E-06	8.10E-03	2.56E-06	1.08E-06	1.23E-02	3.88E-06	1.65E-06
5832	488977.81, 3859055.75	8.26E-03	2.61E-06	1.11E-06	8.85E-03	2.79E-06	1.18E-06	1.33E-02	4.19E-06	1.78E-06
5833	488891.94, 3859009.69	9.20E-03	2.90E-06	1.23E-06	9.84E-03	3.10E-06	1.32E-06	1.45E-02	4.58E-06	1.94E-06
5834	488808, 3859060.73	8.13E-03	2.57E-06	1.09E-06	8.72E-03	2.75E-06	1.17E-06	1.31E-02	4.14E-06	1.76E-06
5835	488809.93, 3859157.85	6.98E-03	2.20E-06	9.34E-07	7.50E-03	2.37E-06	1.00E-06	1.15E-02	3.62E-06	1.54E-06
5836	488811.86, 3859254.96	6.20E-03	1.96E-06	8.31E-07	6.67E-03	2.11E-06	8.93E-07	1.03E-02	3.25E-06	1.38E-06
5837	488813.78, 3859352.07	5.61E-03	1.77E-06	7.51E-07	6.03E-03	1.90E-06	8.08E-07	9.37E-03	2.96E-06	1.26E-06
5838	488815.71, 3859449.19	5.13E-03	1.62E-06	6.86E-07	5.52E-03	1.74E-06	7.39E-07	8.60E-03	2.72E-06	1.15E-06
5839	488910.04, 3859547.11	4.71E-03	1.49E-06	6.30E-07	5.07E-03	1.60E-06	6.79E-07	7.92E-03	2.50E-06	1.06E-06
5840	489002.45, 3859547.91	4.70E-03	1.48E-06	6.29E-07	5.06E-03	1.60E-06	6.77E-07	7.91E-03	2.50E-06	1.06E-06
5841	489094.85, 3859548.72	4.68E-03	1.48E-06	6.26E-07	5.04E-03	1.59E-06	6.74E-07	7.88E-03	2.49E-06	1.06E-06
5842	489230.05, 3859601.87	4.45E-03	1.40E-06	5.96E-07	4.79E-03	1.51E-06	6.42E-07	7.51E-03	2.37E-06	1.01E-06
5843	489227.52, 3859680.89	4.21E-03	1.33E-06	5.64E-07	4.54E-03	1.43E-06	6.07E-07	7.11E-03	2.25E-06	9.53E-07
5844	489133.47, 3859760.29	4.00E-03	1.26E-06	5.35E-07	4.31E-03	1.36E-06	5.77E-07	6.76E-03	2.13E-06	9.05E-07
5845	489041.96, 3859760.67	4.00E-03	1.26E-06	5.35E-07	4.31E-03	1.36E-06	5.77E-07	6.76E-03	2.13E-06	9.05E-07
5846	488950.45, 3859761.05	3.99E-03	1.26E-06	5.34E-07	4.30E-03	1.36E-06	5.75E-07	6.74E-03	2.13E-06	9.02E-07
5847	488858.94, 3859761.43	3.97E-03	1.25E-06	5.32E-07	4.28E-03	1.35E-06	5.73E-07	6.71E-03	2.12E-06	8.98E-07
5848	488767.43, 3859761.82	3.94E-03	1.24E-06	5.28E-07	4.25E-03	1.34E-06	5.69E-07	6.65E-03	2.10E-06	8.90E-07
5849	488675.92, 3859762.2	3.92E-03	1.24E-06	5.24E-07	4.22E-03	1.33E-06	5.65E-07	6.60E-03	2.08E-06	8.84E-07
5850	488584.41, 3859762.58	3.88E-03	1.23E-06	5.20E-07	4.18E-03	1.32E-06	5.60E-07	6.53E-03	2.06E-06	8.75E-07
5851	488492.9, 3859762.96	3.85E-03	1.22E-06	5.16E-07	4.15E-03	1.31E-06	5.56E-07	6.48E-03	2.05E-06	8.68E-07
5852	488402.76, 3859830.95	3.64E-03	1.15E-06	4.88E-07	3.92E-03	1.24E-06	5.25E-07	6.13E-03	1.93E-06	8.20E-07

5853	488404.14, 3859898.55	3.46E-03	1.09E-06	4.63E-07	3.73E-03	1.18E-06	4.99E-07	5.82E-03	1.84E-06	7.80E-07
5854	488505.18, 3859964.96	3.33E-03	1.05E-06	4.46E-07	3.59E-03	1.13E-06	4.80E-07	5.61E-03	1.77E-06	7.52E-07
5855	488604.85, 3859963.76	3.35E-03	1.06E-06	4.49E-07	3.61E-03	1.14E-06	4.84E-07	5.66E-03	1.79E-06	7.58E-07
5856	488704.51, 3859962.56	3.38E-03	1.07E-06	4.53E-07	3.65E-03	1.15E-06	4.88E-07	5.71E-03	1.80E-06	7.65E-07
5857	488804.18, 3859961.37	3.42E-03	1.08E-06	4.58E-07	3.68E-03	1.16E-06	4.93E-07	5.77E-03	1.82E-06	7.73E-07
5858	488903.85, 3859960.17	3.45E-03	1.09E-06	4.62E-07	3.72E-03	1.17E-06	4.98E-07	5.83E-03	1.84E-06	7.81E-07
5859	489003.52, 3859958.97	3.47E-03	1.10E-06	4.65E-07	3.74E-03	1.18E-06	5.01E-07	5.88E-03	1.86E-06	7.87E-07
5860	489103.18, 3859957.77	3.49E-03	1.10E-06	4.67E-07	3.76E-03	1.19E-06	5.04E-07	5.91E-03	1.87E-06	7.92E-07
5861	489201.48, 3860046.59	3.31E-03	1.04E-06	4.43E-07	3.57E-03	1.13E-06	4.77E-07	5.61E-03	1.77E-06	7.51E-07
5862	489200.11, 3860136.61	3.12E-03	9.85E-07	4.18E-07	3.36E-03	1.06E-06	4.51E-07	5.29E-03	1.67E-06	7.09E-07
5863	489198.74, 3860226.63	2.95E-03	9.31E-07	3.95E-07	3.18E-03	1.00E-06	4.26E-07	5.00E-03	1.58E-06	6.70E-07
5864	489197.38, 3860316.66	2.79E-03	8.80E-07	3.73E-07	3.01E-03	9.49E-07	4.02E-07	4.73E-03	1.49E-06	6.33E-07
5865	489196.01, 3860406.68	2.64E-03	8.35E-07	3.54E-07	2.85E-03	9.00E-07	3.82E-07	4.48E-03	1.42E-06	6.00E-07
5866	489194.64, 3860496.7	2.50E-03	7.90E-07	3.35E-07	2.70E-03	8.52E-07	3.61E-07	4.24E-03	1.34E-06	5.68E-07
5867	489193.27, 3860586.72	2.38E-03	7.52E-07	3.19E-07	2.57E-03	8.11E-07	3.44E-07	4.04E-03	1.27E-06	5.41E-07
5868	489092.02, 3860678.13	2.25E-03	7.11E-07	3.02E-07	2.43E-03	7.66E-07	3.25E-07	3.82E-03	1.20E-06	5.11E-07
5869	488992.13, 3860679.53	2.24E-03	7.06E-07	3.00E-07	2.41E-03	7.61E-07	3.23E-07	3.79E-03	1.20E-06	5.07E-07
5870	488892.25, 3860680.92	2.23E-03	7.03E-07	2.98E-07	2.40E-03	7.57E-07	3.21E-07	3.77E-03	1.19E-06	5.05E-07
5871	488792.36, 3860682.31	2.21E-03	6.99E-07	2.97E-07	2.39E-03	7.53E-07	3.20E-07	3.75E-03	1.18E-06	5.02E-07
5872	488692.48, 3860683.7	2.21E-03	6.97E-07	2.96E-07	2.38E-03	7.51E-07	3.19E-07	3.73E-03	1.18E-06	5.00E-07
5873	488592.59, 3860685.1	2.19E-03	6.92E-07	2.94E-07	2.36E-03	7.45E-07	3.16E-07	3.71E-03	1.17E-06	4.96E-07
5874	488492.71, 3860686.49	2.19E-03	6.92E-07	2.94E-07	2.36E-03	7.45E-07	3.16E-07	3.70E-03	1.17E-06	4.96E-07
5875	488299.07, 3860762.18	2.13E-03	6.72E-07	2.85E-07	2.29E-03	7.24E-07	3.07E-07	3.59E-03	1.13E-06	4.81E-07
5876	488205.32, 3860764.09	2.11E-03	6.66E-07	2.82E-07	2.27E-03	7.17E-07	3.04E-07	3.56E-03	1.12E-06	4.76E-07
5877	488111.56, 3860766	2.08E-03	6.58E-07	2.79E-07	2.25E-03	7.09E-07	3.01E-07	3.51E-03	1.11E-06	4.71E-07
5878	488017.81, 3860767.91	2.06E-03	6.51E-07	2.76E-07	2.22E-03	7.01E-07	2.97E-07	3.47E-03	1.10E-06	4.65E-07
5879	487924.06, 3860769.81	2.05E-03	6.45E-07	2.74E-07	2.20E-03	6.95E-07	2.95E-07	3.44E-03	1.09E-06	4.61E-07
5880	487830.31, 3860771.72	2.03E-03	6.42E-07	2.72E-07	2.19E-03	6.91E-07	2.93E-07	3.42E-03	1.08E-06	4.58E-07
5881	487736.55, 3860773.63	2.03E-03	6.40E-07	2.71E-07	2.18E-03	6.89E-07	2.92E-07	3.41E-03	1.08E-06	4.57E-07
5882	487642.8, 3860775.54	2.03E-03	6.40E-07	2.72E-07	2.18E-03	6.89E-07	2.92E-07	3.41E-03	1.08E-06	4.57E-07
5883	487549.48, 3860684.71	2.12E-03	6.70E-07	2.84E-07	2.29E-03	7.22E-07	3.06E-07	3.57E-03	1.13E-06	4.78E-07
5884	487549.91, 3860591.97	2.21E-03	6.97E-07	2.96E-07	2.38E-03	7.51E-07	3.19E-07	3.72E-03	1.17E-06	4.98E-07
5885	487550.34, 3860499.23	2.31E-03	7.30E-07	3.10E-07	2.49E-03	7.87E-07	3.34E-07	3.89E-03	1.23E-06	5.21E-07
5886	487550.76, 3860406.49	2.43E-03	7.68E-07	3.26E-07	2.62E-03	8.27E-07	3.51E-07	4.09E-03	1.29E-06	5.48E-07
5887	487551.19, 3860313.75	2.55E-03	8.05E-07	3.42E-07	2.75E-03	8.67E-07	3.68E-07	4.29E-03	1.35E-06	5.75E-07
5888	487551.62, 3860221.01	2.69E-03	8.48E-07	3.60E-07	2.89E-03	9.13E-07	3.87E-07	4.52E-03	1.43E-06	6.05E-07
5889	487552.05, 3860128.27	2.85E-03	9.00E-07	3.82E-07	3.07E-03	9.69E-07	4.11E-07	4.79E-03	1.51E-06	6.42E-07
5890	487552.48, 3860035.53	3.02E-03	9.55E-07	4.05E-07	3.26E-03	1.03E-06	4.36E-07	5.08E-03	1.60E-06	6.80E-07
5891	487552.91, 3859942.79	3.19E-03	1.01E-06	4.27E-07	3.43E-03	1.08E-06	4.60E-07	5.36E-03	1.69E-06	7.17E-07
5892	487553.33, 3859850.05	3.40E-03	1.07E-06	4.56E-07	3.67E-03	1.16E-06	4.91E-07	5.72E-03	1.80E-06	7.66E-07
5893	487553.76, 3859757.31	3.62E-03	1.14E-06	4.85E-07	3.90E-03	1.23E-06	5.22E-07	6.08E-03	1.92E-06	8.14E-07
5894	487554.19, 3859664.57	3.87E-03	1.22E-06	5.18E-07	4.16E-03	1.31E-06	5.58E-07	6.49E-03	2.05E-06	8.69E-07
5895	487460.2, 3859571.05	4.12E-03	1.30E-06	5.52E-07	4.44E-03	1.40E-06	5.94E-07	6.91E-03	2.18E-06	9.25E-07
5896	487365.78, 3859570.27	4.11E-03	1.30E-06	5.50E-07	4.42E-03	1.40E-06	5.92E-07	6.90E-03	2.18E-06	9.23E-07
5897	487271.36, 3859569.48	4.09E-03	1.29E-06	5.48E-07	4.41E-03	1.39E-06	5.90E-07	6.87E-03	2.17E-06	9.20E-07
5898	487176.94, 3859568.7	4.07E-03	1.29E-06	5.45E-07	4.39E-03	1.38E-06	5.87E-07	6.84E-03	2.16E-06	9.16E-07
5899	487082.51, 3859567.92	4.06E-03	1.28E-06	5.43E-07	4.37E-03	1.38E-06	5.85E-07	6.81E-03	2.15E-06	9.12E-07
5900	486988.09, 3859567.14	4.03E-03	1.27E-06	5.40E-07	4.34E-03	1.37E-06	5.82E-07	6.78E-03	2.14E-06	9.08E-07
5901	486893.67, 3859566.36	4.01E-03	1.26E-06	5.37E-07	4.32E-03	1.36E-06	5.78E-07	6.74E-03	2.13E-06	9.02E-07
5902	486799.25, 3859565.58	3.98E-03	1.26E-06	5.33E-07	4.28E-03	1.35E-06	5.74E-07	6.69E-03	2.11E-06	8.96E-07
5903	486704.83, 3859564.79	3.95E-03	1.25E-06	5.29E-07	4.25E-03	1.34E-06	5.70E-07	6.64E-03	2.10E-06	8.90E-07
5904	486610.41, 3859564.01	3.92E-03	1.24E-06	5.25E-07	4.22E-03	1.33E-06	5.66E-07	6.60E-03	2.08E-06	8.84E-07
5905	486515.99, 3859563.23	3.88E-03	1.22E-06	5.20E-07	4.18E-03	1.32E-06	5.60E-07	6.53E-03	2.06E-06	8.74E-07
5906	486421.57, 3859562.45	3.85E-03	1.21E-06	5.15E-07	4.14E-03	1.31E-06	5.55E-07	6.47E-03	2.04E-06	8.67E-07
5907	486327.14, 3859561.67	3.82E-03	1.21E-06	5.12E-07	4.11E-03	1.30E-06	5.51E-07	6.43E-03	2.03E-06	8.61E-07
5908	486232.72, 3859560.89	3.78E-03	1.19E-06	5.06E-07	4.07E-03	1.28E-06	5.45E-07	6.36E-03	2.01E-06	8.52E-07
5909	486138.3, 3859560.1	3.75E-03	1.18E-06	5.02E-07	4.03E-03	1.27E-06	5.40E-07	6.31E-03	1.99E-06	8.45E-07
5910	486043.88, 3859559.32	3.71E-03	1.17E-06	4.97E-07	3.99E-03	1.26E-06	5.35E-07	6.25E-03	1.97E-06	8.37E-07
5911	485949.35, 3859463.54	3.89E-03	1.23E-06	5.21E-07	4.19E-03	1.32E-06	5.61E-07	6.56E-03	2.07E-06	8.78E-07
5912	485949.24, 3859368.55	4.13E-03	1.30E-06	5.53E-07	4.45E-03	1.40E-06	5.96E-07	6.97E-03	2.20E-06	9.33E-07
5913	485949.12, 3859273.55	4.40E-03	1.39E-06	5.89E-07	4.74E-03	1.50E-06	6.35E-07	7.42E-03	2.34E-06	9.94E-07

5914	485949.01, 3859178.56	4.69E-03	1.48E-06	6.28E-07	5.05E-03	1.60E-06	6.77E-07	7.91E-03	2.50E-06	1.06E-06
5915	485948.9, 3859083.56	5.02E-03	1.59E-06	6.72E-07	5.41E-03	1.71E-06	7.24E-07	8.47E-03	2.67E-06	1.13E-06
5916	485948.79, 3858988.56	5.36E-03	1.69E-06	7.18E-07	5.78E-03	1.82E-06	7.74E-07	9.04E-03	2.85E-06	1.21E-06
5917	485948.67, 3858893.57	5.73E-03	1.81E-06	7.67E-07	6.17E-03	1.95E-06	8.26E-07	9.66E-03	3.05E-06	1.29E-06
5918	485948.56, 3858798.57	6.17E-03	1.95E-06	8.26E-07	6.64E-03	2.10E-06	8.90E-07	1.04E-02	3.28E-06	1.39E-06
5919	485948.45, 3858703.58	6.59E-03	2.08E-06	8.82E-07	7.09E-03	2.24E-06	9.50E-07	1.11E-02	3.50E-06	1.49E-06
5920	485948.34, 3858608.58	7.10E-03	2.24E-06	9.51E-07	7.65E-03	2.42E-06	1.02E-06	1.20E-02	3.78E-06	1.60E-06
5921	485948.22, 3858513.59	7.68E-03	2.42E-06	1.03E-06	8.27E-03	2.61E-06	1.11E-06	1.29E-02	4.08E-06	1.73E-06
5922	485948.11, 3858418.59	8.30E-03	2.62E-06	1.11E-06	8.94E-03	2.82E-06	1.20E-06	1.40E-02	4.41E-06	1.87E-06
5923	485948, 3858323.59	9.06E-03	2.86E-06	1.21E-06	9.75E-03	3.08E-06	1.31E-06	1.52E-02	4.81E-06	2.04E-06
5924	485947.89, 3858228.6	9.85E-03	3.11E-06	1.32E-06	1.06E-02	3.35E-06	1.42E-06	1.66E-02	5.23E-06	2.22E-06
5925	485947.77, 3858133.6	1.08E-02	3.39E-06	1.44E-06	1.16E-02	3.66E-06	1.55E-06	1.81E-02	5.71E-06	2.42E-06
5926	485947.66, 3858038.61	1.20E-02	3.78E-06	1.61E-06	1.29E-02	4.08E-06	1.73E-06	2.02E-02	6.36E-06	2.70E-06
5927	485854.54, 3857943.35	1.24E-02	3.92E-06	1.66E-06	1.34E-02	4.22E-06	1.79E-06	2.09E-02	6.59E-06	2.80E-06
5928	485761.52, 3857943.09	1.18E-02	3.71E-06	1.57E-06	1.27E-02	4.00E-06	1.70E-06	1.98E-02	6.24E-06	2.65E-06
5929	485668.51, 3857942.83	1.12E-02	3.54E-06	1.50E-06	1.21E-02	3.81E-06	1.62E-06	1.88E-02	5.95E-06	2.52E-06
5930	485575.5, 3857942.56	1.06E-02	3.36E-06	1.42E-06	1.15E-02	3.62E-06	1.53E-06	1.79E-02	5.65E-06	2.40E-06
5931	485482.48, 3857942.3	1.02E-02	3.21E-06	1.36E-06	1.10E-02	3.46E-06	1.47E-06	1.71E-02	5.40E-06	2.29E-06
5932	485389.47, 3857942.04	9.75E-03	3.08E-06	1.31E-06	1.05E-02	3.31E-06	1.41E-06	1.64E-02	5.18E-06	2.20E-06
5933	485296.46, 3857941.78	9.35E-03	2.95E-06	1.25E-06	1.01E-02	3.18E-06	1.35E-06	1.57E-02	4.97E-06	2.11E-06
5934	485203.45, 3857941.52	9.02E-03	2.85E-06	1.21E-06	9.72E-03	3.07E-06	1.30E-06	1.52E-02	4.79E-06	2.03E-06
5935	485110.43, 3857941.26	8.66E-03	2.73E-06	1.16E-06	9.33E-03	2.94E-06	1.25E-06	1.46E-02	4.60E-06	1.95E-06
5936	485017.42, 3857940.99	8.31E-03	2.62E-06	1.11E-06	8.95E-03	2.82E-06	1.20E-06	1.40E-02	4.42E-06	1.87E-06
5937	484924.41, 3857940.73	7.98E-03	2.52E-06	1.07E-06	8.59E-03	2.71E-06	1.15E-06	1.34E-02	4.24E-06	1.80E-06
5938	484831.39, 3857940.47	7.70E-03	2.43E-06	1.03E-06	8.29E-03	2.62E-06	1.11E-06	1.30E-02	4.09E-06	1.74E-06
5939	484738.12, 3857859.3	7.79E-03	2.46E-06	1.04E-06	8.39E-03	2.65E-06	1.12E-06	1.31E-02	4.14E-06	1.76E-06
5940	484737.85, 3857778.4	8.22E-03	2.59E-06	1.10E-06	8.85E-03	2.79E-06	1.19E-06	1.38E-02	4.37E-06	1.85E-06
5941	484737.59, 3857697.49	8.66E-03	2.73E-06	1.16E-06	9.33E-03	2.94E-06	1.25E-06	1.46E-02	4.61E-06	1.95E-06
5942	484737.32, 3857616.59	9.11E-03	2.88E-06	1.22E-06	9.82E-03	3.10E-06	1.31E-06	1.53E-02	4.84E-06	2.06E-06
5943	484645.53, 3857535.18	9.23E-03	2.91E-06	1.24E-06	9.94E-03	3.14E-06	1.33E-06	1.55E-02	4.91E-06	2.08E-06
5944	484553.99, 3857534.67	8.84E-03	2.79E-06	1.18E-06	9.52E-03	3.01E-06	1.28E-06	1.49E-02	4.70E-06	1.99E-06
5945	484462.46, 3857534.17	8.51E-03	2.69E-06	1.14E-06	9.17E-03	2.89E-06	1.23E-06	1.43E-02	4.53E-06	1.92E-06
5946	484370.93, 3857533.66	8.19E-03	2.59E-06	1.10E-06	8.83E-03	2.79E-06	1.18E-06	1.38E-02	4.36E-06	1.85E-06
5947	484279.4, 3857533.16	7.90E-03	2.49E-06	1.06E-06	8.51E-03	2.69E-06	1.14E-06	1.33E-02	4.21E-06	1.79E-06
5948	484187.86, 3857532.65	7.62E-03	2.40E-06	1.02E-06	8.20E-03	2.59E-06	1.10E-06	1.29E-02	4.06E-06	1.72E-06
5949	484096.33, 3857532.15	7.36E-03	2.32E-06	9.86E-07	7.93E-03	2.50E-06	1.06E-06	1.24E-02	3.92E-06	1.67E-06
5950	484004.8, 3857531.64	7.10E-03	2.24E-06	9.51E-07	7.65E-03	2.41E-06	1.02E-06	1.20E-02	3.78E-06	1.61E-06
5951	483913.27, 3857531.14	6.82E-03	2.15E-06	9.14E-07	7.35E-03	2.32E-06	9.85E-07	1.15E-02	3.64E-06	1.54E-06
5952	483821.73, 3857530.63	6.59E-03	2.08E-06	8.82E-07	7.10E-03	2.24E-06	9.51E-07	1.11E-02	3.51E-06	1.49E-06
5953	483729.61, 3857450.11	6.62E-03	2.09E-06	8.86E-07	7.13E-03	2.25E-06	9.55E-07	1.12E-02	3.53E-06	1.50E-06
5954	483729.03, 3857370.08	6.92E-03	2.18E-06	9.26E-07	7.45E-03	2.35E-06	9.98E-07	1.17E-02	3.69E-06	1.57E-06
5955	483728.44, 3857290.06	7.20E-03	2.27E-06	9.64E-07	7.76E-03	2.45E-06	1.04E-06	1.22E-02	3.84E-06	1.63E-06
5956	483727.86, 3857210.03	7.49E-03	2.36E-06	1.00E-06	8.07E-03	2.55E-06	1.08E-06	1.27E-02	3.99E-06	1.69E-06
5957	483641.15, 3857129.07	7.53E-03	2.38E-06	1.01E-06	8.12E-03	2.56E-06	1.09E-06	1.27E-02	4.02E-06	1.71E-06
5958	483555.03, 3857128.14	7.27E-03	2.29E-06	9.73E-07	7.83E-03	2.47E-06	1.05E-06	1.23E-02	3.88E-06	1.65E-06
5959	483468.91, 3857127.2	6.97E-03	2.20E-06	9.34E-07	7.51E-03	2.37E-06	1.01E-06	1.18E-02	3.72E-06	1.58E-06
5960	483382.78, 3857126.26	6.76E-03	2.13E-06	9.05E-07	7.29E-03	2.30E-06	9.76E-07	1.14E-02	3.61E-06	1.53E-06
5961	483296.66, 3857125.32	6.53E-03	2.06E-06	8.74E-07	7.04E-03	2.22E-06	9.42E-07	1.11E-02	3.49E-06	1.48E-06
5962	483210.54, 3857124.39	6.30E-03	1.99E-06	8.44E-07	6.79E-03	2.14E-06	9.09E-07	1.07E-02	3.37E-06	1.43E-06
5963	483123.4, 3857030.96	6.33E-03	2.00E-06	8.48E-07	6.83E-03	2.15E-06	9.14E-07	1.07E-02	3.39E-06	1.44E-06
5964	483122.38, 3856938.46	6.61E-03	2.09E-06	8.85E-07	7.13E-03	2.25E-06	9.54E-07	1.12E-02	3.54E-06	1.50E-06
5965	483121.35, 3856845.97	6.90E-03	2.18E-06	9.24E-07	7.44E-03	2.35E-06	9.96E-07	1.17E-02	3.69E-06	1.57E-06
5966	483120.33, 3856753.47	7.15E-03	2.26E-06	9.58E-07	7.71E-03	2.43E-06	1.03E-06	1.21E-02	3.83E-06	1.62E-06
5967	483119.31, 3856660.98	7.41E-03	2.34E-06	9.93E-07	7.99E-03	2.52E-06	1.07E-06	1.26E-02	3.97E-06	1.68E-06
5968	483118.29, 3856568.49	7.71E-03	2.43E-06	1.03E-06	8.32E-03	2.62E-06	1.11E-06	1.31E-02	4.13E-06	1.75E-06
5969	483117.26, 3856475.99	8.05E-03	2.54E-06	1.08E-06	8.68E-03	2.74E-06	1.16E-06	1.37E-02	4.31E-06	1.83E-06
5970	483116.24, 3856383.5	8.38E-03	2.64E-06	1.12E-06	9.03E-03	2.85E-06	1.21E-06	1.42E-02	4.49E-06	1.90E-06
5971	483115.22, 3856291.01	8.74E-03	2.76E-06	1.17E-06	9.42E-03	2.97E-06	1.26E-06	1.48E-02	4.68E-06	1.99E-06
5972	483114.2, 3856198.51	9.08E-03	2.87E-06	1.22E-06	9.79E-03	3.09E-06	1.31E-06	1.54E-02	4.87E-06	2.06E-06
5973	483113.17, 3856106.02	9.55E-03	3.02E-06	1.28E-06	1.03E-02	3.25E-06	1.38E-06	1.62E-02	5.12E-06	2.17E-06
5974	483112.15, 3856013.52	9.99E-03	3.15E-06	1.34E-06	1.08E-02	3.40E-06	1.44E-06	1.70E-02	5.36E-06	2.27E-06

5975 483029.25, 3855920.47	1.00E-02	3.16E-06	1.34E-06	1.08E-02	3.40E-06	1.44E-06	1.70E-02	5.37E-06	2.28E-06
5976 482947.37, 3855919.91	9.50E-03	3.00E-06	1.27E-06	1.02E-02	3.23E-06	1.37E-06	1.62E-02	5.10E-06	2.16E-06
5977 482865.49, 3855919.36	9.01E-03	2.84E-06	1.21E-06	9.72E-03	3.07E-06	1.30E-06	1.54E-02	4.85E-06	2.06E-06
5978 482783.61, 3855918.8	8.60E-03	2.72E-06	1.15E-06	9.28E-03	2.93E-06	1.24E-06	1.47E-02	4.63E-06	1.96E-06
5979 482700.33, 3855818.39	8.53E-03	2.69E-06	1.14E-06	9.20E-03	2.90E-06	1.23E-06	1.46E-02	4.59E-06	1.95E-06
5980 482698.92, 3855718.54	8.94E-03	2.82E-06	1.20E-06	9.64E-03	3.04E-06	1.29E-06	1.53E-02	4.82E-06	2.04E-06
5981 482697.52, 3855618.68	9.32E-03	2.94E-06	1.25E-06	1.01E-02	3.18E-06	1.35E-06	1.59E-02	5.03E-06	2.13E-06
5982 482696.11, 3855518.83	9.82E-03	3.10E-06	1.32E-06	1.06E-02	3.34E-06	1.42E-06	1.68E-02	5.31E-06	2.25E-06
5983 482694.71, 3855418.98	1.03E-02	3.24E-06	1.38E-06	1.11E-02	3.50E-06	1.48E-06	1.76E-02	5.56E-06	2.36E-06
5984 482693.3, 3855319.13	1.08E-02	3.40E-06	1.44E-06	1.16E-02	3.67E-06	1.56E-06	1.85E-02	5.84E-06	2.48E-06
5985 482691.9, 3855219.27	1.14E-02	3.59E-06	1.52E-06	1.23E-02	3.88E-06	1.65E-06	1.96E-02	6.18E-06	2.62E-06
5986 482690.49, 3855119.42	1.20E-02	3.78E-06	1.60E-06	1.29E-02	4.08E-06	1.73E-06	2.07E-02	6.52E-06	2.77E-06
5987 482689.09, 3855019.57	1.29E-02	4.06E-06	1.72E-06	1.39E-02	4.38E-06	1.86E-06	2.23E-02	7.02E-06	2.98E-06
5988 482687.68, 3854919.72	1.36E-02	4.30E-06	1.82E-06	1.47E-02	4.65E-06	1.97E-06	2.37E-02	7.47E-06	3.17E-06
5989 482686.28, 3854819.86	1.46E-02	4.61E-06	1.96E-06	1.58E-02	4.99E-06	2.12E-06	2.55E-02	8.04E-06	3.41E-06
5990 482684.88, 3854720.01	1.54E-02	4.85E-06	2.06E-06	1.66E-02	5.25E-06	2.23E-06	2.69E-02	8.49E-06	3.60E-06
5991 482683.47, 3854620.16	1.63E-02	5.15E-06	2.18E-06	1.77E-02	5.57E-06	2.37E-06	2.87E-02	9.06E-06	3.84E-06
5992 482682.07, 3854520.31	1.67E-02	5.26E-06	2.23E-06	1.81E-02	5.70E-06	2.42E-06	2.95E-02	9.30E-06	3.95E-06
5993 482680.66, 3854420.45	1.65E-02	5.20E-06	2.21E-06	1.79E-02	5.64E-06	2.39E-06	2.92E-02	9.22E-06	3.91E-06
5994 482679.26, 3854320.6	1.58E-02	4.98E-06	2.11E-06	1.71E-02	5.40E-06	2.29E-06	2.81E-02	8.87E-06	3.77E-06
5995 482677.85, 3854220.75	1.53E-02	4.83E-06	2.05E-06	1.66E-02	5.23E-06	2.22E-06	2.72E-02	8.59E-06	3.64E-06
5996 482676.45, 3854120.9	1.38E-02	4.35E-06	1.84E-06	1.49E-02	4.71E-06	2.00E-06	2.44E-02	7.71E-06	3.27E-06
5997 482675.04, 3854021.04	1.23E-02	3.89E-06	1.65E-06	1.33E-02	4.21E-06	1.79E-06	2.17E-02	6.84E-06	2.90E-06
5998 482673.64, 3853921.19	1.07E-02	3.39E-06	1.44E-06	1.16E-02	3.66E-06	1.55E-06	1.86E-02	5.87E-06	2.49E-06
5999 482672.23, 3853821.34	9.36E-03	2.95E-06	1.25E-06	1.01E-02	3.18E-06	1.35E-06	1.58E-02	4.99E-06	2.12E-06
6000 482670.83, 3853721.49	7.86E-03	2.48E-06	1.05E-06	8.43E-03	2.66E-06	1.13E-06	1.28E-02	4.05E-06	1.72E-06
6001 482669.42, 3853621.63	6.48E-03	2.04E-06	8.67E-07	6.92E-03	2.18E-06	9.27E-07	1.02E-02	3.22E-06	1.36E-06
6002 482645.99, 3853446.13	4.47E-03	1.41E-06	5.99E-07	4.78E-03	1.51E-06	6.40E-07	7.10E-03	2.24E-06	9.50E-07
6003 482623.97, 3853370.49	3.80E-03	1.20E-06	5.09E-07	4.08E-03	1.29E-06	5.46E-07	6.17E-03	1.95E-06	8.27E-07
6004 482601.94, 3853294.84	3.36E-03	1.06E-06	4.51E-07	3.61E-03	1.14E-06	4.84E-07	5.53E-03	1.75E-06	7.41E-07
6005 482531.29, 3853133.44	2.78E-03	8.78E-07	3.72E-07	2.99E-03	9.44E-07	4.01E-07	4.63E-03	1.46E-06	6.21E-07
6006 482482.68, 3853047.69	2.57E-03	8.12E-07	3.44E-07	2.77E-03	8.73E-07	3.71E-07	4.30E-03	1.36E-06	5.75E-07
6007 482383.09, 3852897.4	2.28E-03	7.19E-07	3.05E-07	2.45E-03	7.74E-07	3.28E-07	3.82E-03	1.21E-06	5.11E-07
6008 482265.64, 3852765.26	2.09E-03	6.59E-07	2.80E-07	2.25E-03	7.10E-07	3.01E-07	3.51E-03	1.11E-06	4.70E-07
6009 482199.16, 3852697.66	2.01E-03	6.34E-07	2.69E-07	2.16E-03	6.83E-07	2.90E-07	3.38E-03	1.07E-06	4.52E-07
6010 482132.69, 3852630.07	1.93E-03	6.10E-07	2.59E-07	2.08E-03	6.57E-07	2.79E-07	3.25E-03	1.03E-06	4.36E-07
6011 482066.21, 3852562.48	1.86E-03	5.88E-07	2.49E-07	2.01E-03	6.33E-07	2.69E-07	3.14E-03	9.90E-07	4.20E-07
6012 481999.74, 3852494.89	1.80E-03	5.67E-07	2.40E-07	1.93E-03	6.10E-07	2.59E-07	3.02E-03	9.54E-07	4.05E-07
6013 481933.26, 3852427.29	1.73E-03	5.47E-07	2.32E-07	1.87E-03	5.89E-07	2.50E-07	2.92E-03	9.21E-07	3.91E-07
6014 481866.79, 3852359.7	1.67E-03	5.28E-07	2.24E-07	1.80E-03	5.69E-07	2.41E-07	2.82E-03	8.90E-07	3.78E-07
6015 481800.31, 3852292.11	1.62E-03	5.10E-07	2.16E-07	1.74E-03	5.49E-07	2.33E-07	2.72E-03	8.60E-07	3.65E-07
6016 481733.84, 3852224.52	1.56E-03	4.93E-07	2.09E-07	1.68E-03	5.31E-07	2.25E-07	2.63E-03	8.32E-07	3.53E-07
6017 481667.36, 3852156.92	1.51E-03	4.76E-07	2.02E-07	1.63E-03	5.13E-07	2.18E-07	2.55E-03	8.04E-07	3.41E-07
6018 481600.89, 3852089.33	1.46E-03	4.62E-07	1.96E-07	1.58E-03	4.97E-07	2.11E-07	2.47E-03	7.79E-07	3.31E-07
6019 481534.41, 3852021.74	1.42E-03	4.48E-07	1.90E-07	1.53E-03	4.83E-07	2.05E-07	2.40E-03	7.57E-07	3.21E-07
6020 481467.94, 3851954.15	1.38E-03	4.35E-07	1.85E-07	1.49E-03	4.69E-07	1.99E-07	2.33E-03	7.35E-07	3.12E-07
6021 481401.46, 3851886.55	1.34E-03	4.22E-07	1.79E-07	1.44E-03	4.55E-07	1.93E-07	2.26E-03	7.13E-07	3.03E-07
6022 481265.87, 3851761.43	1.27E-03	4.01E-07	1.70E-07	1.37E-03	4.33E-07	1.84E-07	2.15E-03	6.78E-07	2.88E-07
6023 481196.74, 3851703.89	1.24E-03	3.93E-07	1.67E-07	1.34E-03	4.23E-07	1.80E-07	2.10E-03	6.63E-07	2.82E-07
6024 481076.33, 3851619.05	1.21E-03	3.81E-07	1.62E-07	1.30E-03	4.11E-07	1.74E-07	2.04E-03	6.45E-07	2.74E-07
6025 480939.8, 3851549.07	1.18E-03	3.73E-07	1.58E-07	1.27E-03	4.02E-07	1.71E-07	2.00E-03	6.32E-07	2.68E-07
6026 480854.56, 3851506.41	1.17E-03	3.68E-07	1.56E-07	1.26E-03	3.97E-07	1.68E-07	1.98E-03	6.24E-07	2.65E-07
6027 480769.32, 3851463.75	1.15E-03	3.64E-07	1.55E-07	1.24E-03	3.93E-07	1.67E-07	1.96E-03	6.18E-07	2.62E-07
6028 480684.08, 3851421.08	1.14E-03	3.60E-07	1.53E-07	1.23E-03	3.88E-07	1.65E-07	1.93E-03	6.11E-07	2.59E-07
6029 480598.84, 3851378.42	1.13E-03	3.55E-07	1.51E-07	1.21E-03	3.83E-07	1.62E-07	1.91E-03	6.03E-07	2.56E-07
6030 480435.71, 3851275.01	1.09E-03	3.43E-07	1.45E-07	1.17E-03	3.69E-07	1.57E-07	1.85E-03	5.83E-07	2.47E-07
6031 480347.85, 3851232.36	1.07E-03	3.37E-07	1.43E-07	1.15E-03	3.64E-07	1.54E-07	1.82E-03	5.74E-07	2.44E-07
6032 480260, 3851189.72	1.05E-03	3.31E-07	1.41E-07	1.13E-03	3.57E-07	1.52E-07	1.79E-03	5.65E-07	2.40E-07
6033 480172.15, 3851147.07	1.03E-03	3.25E-07	1.38E-07	1.11E-03	3.51E-07	1.49E-07	1.76E-03	5.54E-07	2.35E-07
6034 480084.29, 3851104.42	1.01E-03	3.18E-07	1.35E-07	1.09E-03	3.43E-07	1.46E-07	1.72E-03	5.43E-07	2.30E-07
6035 479996.44, 3851061.77	9.85E-04	3.11E-07	1.32E-07	1.06E-03	3.35E-07	1.42E-07	1.68E-03	5.30E-07	2.25E-07

6036	479908.58, 3851019.13	9.55E-04	3.02E-07	1.28E-07	1.03E-03	3.25E-07	1.38E-07	1.63E-03	5.15E-07	2.18E-07
6037	479820.73, 3850976.48	9.29E-04	2.93E-07	1.24E-07	1.00E-03	3.16E-07	1.34E-07	1.58E-03	5.00E-07	2.12E-07
6038	479732.88, 3850933.83	9.00E-04	2.84E-07	1.21E-07	9.71E-04	3.07E-07	1.30E-07	1.54E-03	4.85E-07	2.06E-07
6039	479645.02, 3850891.18	8.73E-04	2.75E-07	1.17E-07	9.41E-04	2.97E-07	1.26E-07	1.49E-03	4.70E-07	1.99E-07
6040	479557.17, 3850848.54	8.45E-04	2.67E-07	1.13E-07	9.12E-04	2.88E-07	1.22E-07	1.44E-03	4.55E-07	1.93E-07
6041	479469.32, 3850805.89	8.14E-04	2.57E-07	1.09E-07	8.78E-04	2.77E-07	1.18E-07	1.39E-03	4.38E-07	1.86E-07
6042	479381.46, 3850763.24	7.88E-04	2.49E-07	1.06E-07	8.50E-04	2.68E-07	1.14E-07	1.34E-03	4.23E-07	1.80E-07
6043	479293.61, 3850720.59	7.65E-04	2.41E-07	1.02E-07	8.25E-04	2.60E-07	1.10E-07	1.30E-03	4.10E-07	1.74E-07
6044	479205.76, 3850677.95	7.40E-04	2.34E-07	9.91E-08	7.98E-04	2.52E-07	1.07E-07	1.26E-03	3.97E-07	1.68E-07
6045	479117.9, 3850635.3	7.17E-04	2.26E-07	9.61E-08	7.73E-04	2.44E-07	1.04E-07	1.22E-03	3.84E-07	1.63E-07
6046	479030.05, 3850592.65	6.94E-04	2.19E-07	9.29E-08	7.48E-04	2.36E-07	1.00E-07	1.17E-03	3.71E-07	1.57E-07
6047	478942.19, 3850550	6.65E-04	2.10E-07	8.91E-08	7.17E-04	2.26E-07	9.60E-08	1.13E-03	3.55E-07	1.51E-07
6048	478854.34, 3850507.36	6.26E-04	1.98E-07	8.39E-08	6.75E-04	2.13E-07	9.04E-08	1.06E-03	3.35E-07	1.42E-07
6049	478766.49, 3850464.71	5.98E-04	1.89E-07	8.00E-08	6.44E-04	2.03E-07	8.63E-08	1.01E-03	3.20E-07	1.36E-07
6050	478678.63, 3850422.06	5.73E-04	1.81E-07	7.67E-08	6.17E-04	1.95E-07	8.27E-08	9.70E-04	3.06E-07	1.30E-07
6051	478590.78, 3850379.41	5.49E-04	1.73E-07	7.35E-08	5.91E-04	1.87E-07	7.92E-08	9.29E-04	2.93E-07	1.24E-07
6052	478502.93, 3850336.77	5.29E-04	1.67E-07	7.08E-08	5.70E-04	1.80E-07	7.63E-08	8.96E-04	2.83E-07	1.20E-07
6053	478415.07, 3850294.12	5.12E-04	1.62E-07	6.86E-08	5.52E-04	1.74E-07	7.39E-08	8.67E-04	2.74E-07	1.16E-07
6054	478327.22, 3850251.47	4.93E-04	1.56E-07	6.60E-08	5.31E-04	1.68E-07	7.12E-08	8.35E-04	2.63E-07	1.12E-07
6055	478239.36, 3850208.82	4.77E-04	1.51E-07	6.39E-08	5.14E-04	1.62E-07	6.88E-08	8.08E-04	2.55E-07	1.08E-07
6056	478151.51, 3850166.18	4.64E-04	1.46E-07	6.21E-08	5.00E-04	1.58E-07	6.69E-08	7.85E-04	2.48E-07	1.05E-07
6057	478063.66, 3850123.53	4.51E-04	1.42E-07	6.04E-08	4.86E-04	1.54E-07	6.51E-08	7.64E-04	2.41E-07	1.02E-07
6058	477975.8, 3850080.88	4.54E-04	1.43E-07	6.08E-08	4.89E-04	1.54E-07	6.55E-08	7.67E-04	2.42E-07	1.03E-07
6059	477887.95, 3850038.23	4.48E-04	1.41E-07	6.00E-08	4.83E-04	1.52E-07	6.46E-08	7.57E-04	2.39E-07	1.01E-07
6060	477800.1, 3849995.59	4.44E-04	1.40E-07	5.95E-08	4.79E-04	1.51E-07	6.41E-08	7.50E-04	2.37E-07	1.00E-07
6061	477712.24, 3849952.94	4.37E-04	1.38E-07	5.86E-08	4.71E-04	1.49E-07	6.31E-08	7.38E-04	2.33E-07	9.89E-08
6062	477624.39, 3849910.29	4.31E-04	1.36E-07	5.78E-08	4.65E-04	1.47E-07	6.23E-08	7.28E-04	2.30E-07	9.75E-08
6063	477536.54, 3849867.64	4.27E-04	1.35E-07	5.72E-08	4.60E-04	1.45E-07	6.16E-08	7.20E-04	2.27E-07	9.64E-08
6064	477448.68, 3849825	4.21E-04	1.33E-07	5.63E-08	4.53E-04	1.43E-07	6.07E-08	7.10E-04	2.24E-07	9.50E-08
6065	477360.83, 3849782.35	4.16E-04	1.31E-07	5.56E-08	4.48E-04	1.41E-07	5.99E-08	7.01E-04	2.21E-07	9.39E-08
6066	477272.97, 3849739.7	4.10E-04	1.30E-07	5.50E-08	4.42E-04	1.40E-07	5.92E-08	6.93E-04	2.19E-07	9.28E-08
6067	477185.12, 3849697.05	4.07E-04	1.28E-07	5.45E-08	4.38E-04	1.38E-07	5.87E-08	6.86E-04	2.17E-07	9.19E-08
6068	477097.27, 3849654.41	4.02E-04	1.27E-07	5.38E-08	4.33E-04	1.37E-07	5.79E-08	6.79E-04	2.14E-07	9.09E-08
6069	477009.41, 3849611.76	3.94E-04	1.24E-07	5.27E-08	4.24E-04	1.34E-07	5.68E-08	6.66E-04	2.10E-07	8.92E-08
6070	476841.49, 3849530.08	3.86E-04	1.22E-07	5.17E-08	4.16E-04	1.31E-07	5.57E-08	6.53E-04	2.06E-07	8.75E-08
6071	476761.41, 3849491.05	3.83E-04	1.21E-07	5.13E-08	4.13E-04	1.30E-07	5.53E-08	6.49E-04	2.05E-07	8.69E-08
6072	476681.34, 3849452.02	3.79E-04	1.20E-07	5.08E-08	4.09E-04	1.29E-07	5.48E-08	6.43E-04	2.03E-07	8.61E-08
6073	476601.26, 3849412.99	3.75E-04	1.18E-07	5.02E-08	4.04E-04	1.27E-07	5.41E-08	6.35E-04	2.00E-07	8.50E-08
6074	476456.32, 3849353.67	3.65E-04	1.15E-07	4.89E-08	3.94E-04	1.24E-07	5.28E-08	6.20E-04	1.96E-07	8.30E-08
6075	476305.43, 3849318.84	3.69E-04	1.16E-07	4.94E-08	3.98E-04	1.25E-07	5.32E-08	6.25E-04	1.97E-07	8.37E-08
6076	476129.36, 3849289.99	3.70E-04	1.17E-07	4.96E-08	3.99E-04	1.26E-07	5.35E-08	6.28E-04	1.98E-07	8.41E-08
6077	476039.31, 3849275.68	3.71E-04	1.17E-07	4.97E-08	4.00E-04	1.26E-07	5.36E-08	6.30E-04	1.99E-07	8.43E-08
6078	475949.26, 3849261.38	3.67E-04	1.16E-07	4.92E-08	3.96E-04	1.25E-07	5.30E-08	6.23E-04	1.97E-07	8.34E-08
6079	475859.21, 3849247.08	3.67E-04	1.16E-07	4.91E-08	3.95E-04	1.25E-07	5.29E-08	6.22E-04	1.96E-07	8.33E-08
6080	475769.16, 3849232.77	3.65E-04	1.15E-07	4.89E-08	3.93E-04	1.24E-07	5.27E-08	6.20E-04	1.96E-07	8.30E-08
6081	475585.23, 3849219.27	3.21E-04	1.01E-07	4.29E-08	3.46E-04	1.09E-07	4.63E-08	5.46E-04	1.72E-07	7.31E-08
6082	475444.5, 3849150.35	3.43E-04	1.08E-07	4.60E-08	3.70E-04	1.17E-07	4.96E-08	5.84E-04	1.84E-07	7.82E-08
6083	475334.18, 3849118.71	3.47E-04	1.09E-07	4.64E-08	3.74E-04	1.18E-07	5.01E-08	5.90E-04	1.86E-07	7.90E-08
6084	475230.47, 3849060.57	3.43E-04	1.08E-07	4.59E-08	3.69E-04	1.17E-07	4.95E-08	5.83E-04	1.84E-07	7.80E-08
6085	475110.86, 3848960.97	3.34E-04	1.05E-07	4.47E-08	3.60E-04	1.14E-07	4.82E-08	5.67E-04	1.79E-07	7.60E-08
6086	475037.79, 3848896.28	3.25E-04	1.03E-07	4.36E-08	3.51E-04	1.11E-07	4.70E-08	5.54E-04	1.75E-07	7.41E-08
6087	474964.72, 3848831.59	3.18E-04	1.00E-07	4.26E-08	3.43E-04	1.08E-07	4.59E-08	5.41E-04	1.71E-07	7.24E-08
6088	474891.65, 3848766.9	3.13E-04	9.87E-08	4.19E-08	3.37E-04	1.06E-07	4.52E-08	5.32E-04	1.68E-07	7.13E-08
6089	474818.58, 3848702.22	3.09E-04	9.76E-08	4.14E-08	3.33E-04	1.05E-07	4.46E-08	5.26E-04	1.66E-07	7.04E-08
6090	474745.51, 3848637.53	3.11E-04	9.82E-08	4.17E-08	3.36E-04	1.06E-07	4.49E-08	5.29E-04	1.67E-07	7.09E-08
6091	474672.44, 3848572.84	3.09E-04	9.76E-08	4.14E-08	3.33E-04	1.05E-07	4.46E-08	5.26E-04	1.66E-07	7.04E-08
6092	474599.37, 3848508.15	3.03E-04	9.55E-08	4.05E-08	3.26E-04	1.03E-07	4.37E-08	5.15E-04	1.62E-07	6.89E-08
6093	474526.3, 3848443.46	2.98E-04	9.42E-08	4.00E-08	3.22E-04	1.02E-07	4.31E-08	5.07E-04	1.60E-07	6.79E-08

Block Swap Yard - Worker Risk

		2028 RD			2033 RD			2048 RD		
Rec#	X, Y	Concentrat	Dose	Risk	Concentrati	Dose	Risk	Concentrat	Dose	Risk
1	485973.61, 3854936.51	1.17E-02	1.84E-06	7.25E-07	1.26E-02	1.99E-06	6.12E-06	1.98E-02	3.13E-06	1.23E-06
2	486023.61, 3854936.51	1.14E-02	1.79E-06	7.03E-07	1.23E-02	1.93E-06	5.94E-06	1.93E-02	3.04E-06	1.19E-06
3	486073.61, 3854936.51	1.11E-02	1.75E-06	6.88E-07	1.20E-02	1.89E-06	5.82E-06	1.89E-02	2.97E-06	1.17E-06
4	486123.61, 3854936.51	1.07E-02	1.68E-06	6.61E-07	1.15E-02	1.81E-06	5.59E-06	1.81E-02	2.86E-06	1.12E-06
5	486173.61, 3854936.51	1.06E-02	1.67E-06	6.55E-07	1.14E-02	1.80E-06	5.53E-06	1.80E-02	2.83E-06	1.11E-06
6	486223.61, 3854936.51	1.03E-02	1.62E-06	6.37E-07	1.11E-02	1.75E-06	5.38E-06	1.75E-02	2.75E-06	1.08E-06
7	486273.61, 3854936.51	1.01E-02	1.59E-06	6.23E-07	1.09E-02	1.71E-06	5.27E-06	1.71E-02	2.69E-06	1.06E-06
8	486323.61, 3854936.51	9.88E-03	1.56E-06	6.11E-07	1.06E-02	1.68E-06	5.17E-06	1.68E-02	2.64E-06	1.04E-06
9	485973.61, 3854986.51	1.25E-02	1.97E-06	7.73E-07	1.35E-02	2.12E-06	6.53E-06	2.12E-02	3.33E-06	1.31E-06
10	486023.61, 3854986.51	1.22E-02	1.92E-06	7.53E-07	1.31E-02	2.07E-06	6.36E-06	2.06E-02	3.25E-06	1.28E-06
11	486073.61, 3854986.51	1.18E-02	1.86E-06	7.30E-07	1.27E-02	2.00E-06	6.17E-06	2.00E-02	3.15E-06	1.24E-06
12	486123.61, 3854986.51	1.15E-02	1.80E-06	7.09E-07	1.23E-02	1.94E-06	5.99E-06	1.94E-02	3.06E-06	1.20E-06
13	486173.61, 3854986.51	1.12E-02	1.77E-06	6.96E-07	1.21E-02	1.91E-06	5.88E-06	1.91E-02	3.01E-06	1.18E-06
14	486223.61, 3854986.51	1.09E-02	1.72E-06	6.76E-07	1.18E-02	1.85E-06	5.71E-06	1.85E-02	2.92E-06	1.15E-06
15	486273.61, 3854986.51	1.06E-02	1.67E-06	6.55E-07	1.14E-02	1.80E-06	5.53E-06	1.80E-02	2.83E-06	1.11E-06
16	486323.61, 3854986.51	1.05E-02	1.66E-06	6.51E-07	1.13E-02	1.79E-06	5.50E-06	1.78E-02	2.81E-06	1.10E-06
17	485973.61, 3855036.51	1.33E-02	2.10E-06	8.26E-07	1.44E-02	2.27E-06	6.98E-06	2.26E-02	3.56E-06	1.40E-06
18	486023.61, 3855036.51	1.30E-02	2.04E-06	8.02E-07	1.40E-02	2.20E-06	6.77E-06	2.19E-02	3.46E-06	1.36E-06
19	486073.61, 3855036.51	1.25E-02	1.97E-06	7.73E-07	1.35E-02	2.12E-06	6.53E-06	2.12E-02	3.33E-06	1.31E-06
20	486123.61, 3855036.51	1.21E-02	1.91E-06	7.51E-07	1.31E-02	2.06E-06	6.34E-06	2.06E-02	3.24E-06	1.27E-06
21	486173.61, 3855036.51	1.19E-02	1.88E-06	7.37E-07	1.28E-02	2.02E-06	6.23E-06	2.02E-02	3.18E-06	1.25E-06
22	486223.61, 3855036.51	1.15E-02	1.81E-06	7.12E-07	1.24E-02	1.95E-06	6.02E-06	1.95E-02	3.07E-06	1.21E-06
23	486273.61, 3855036.51	1.13E-02	1.79E-06	7.02E-07	1.22E-02	1.93E-06	5.93E-06	1.92E-02	3.03E-06	1.19E-06
24	486323.61, 3855036.51	1.10E-02	1.74E-06	6.84E-07	1.19E-02	1.88E-06	5.78E-06	1.87E-02	2.95E-06	1.16E-06
25	485973.61, 3855086.51	1.42E-02	2.24E-06	8.78E-07	1.53E-02	2.41E-06	7.42E-06	2.40E-02	3.78E-06	1.49E-06
26	486023.61, 3855086.51	1.38E-02	2.18E-06	8.56E-07	1.49E-02	2.35E-06	7.23E-06	2.34E-02	3.69E-06	1.45E-06
27	486073.61, 3855086.51	1.33E-02	2.10E-06	8.23E-07	1.43E-02	2.26E-06	6.96E-06	2.25E-02	3.55E-06	1.39E-06
28	486123.61, 3855086.51	1.30E-02	2.05E-06	8.04E-07	1.40E-02	2.20E-06	6.79E-06	2.20E-02	3.47E-06	1.36E-06
29	486173.61, 3855086.51	1.25E-02	1.98E-06	7.77E-07	1.35E-02	2.13E-06	6.56E-06	2.13E-02	3.35E-06	1.32E-06
30	486223.61, 3855086.51	1.23E-02	1.93E-06	7.58E-07	1.32E-02	2.08E-06	6.41E-06	2.08E-02	3.27E-06	1.29E-06
31	485973.61, 3855136.51	1.52E-02	2.39E-06	9.40E-07	1.64E-02	2.58E-06	7.94E-06	2.57E-02	4.05E-06	1.59E-06
32	486023.61, 3855136.51	1.47E-02	2.32E-06	9.10E-07	1.58E-02	2.50E-06	7.69E-06	2.49E-02	3.92E-06	1.54E-06
33	486073.61, 3855136.51	1.42E-02	2.24E-06	8.80E-07	1.53E-02	2.41E-06	7.43E-06	2.41E-02	3.79E-06	1.49E-06
34	486123.61, 3855136.51	1.38E-02	2.17E-06	8.54E-07	1.49E-02	2.34E-06	7.22E-06	2.34E-02	3.68E-06	1.45E-06
35	486173.61, 3855136.51	1.34E-02	2.10E-06	8.27E-07	1.44E-02	2.27E-06	6.99E-06	2.26E-02	3.56E-06	1.40E-06
36	486223.61, 3855136.51	1.30E-02	2.04E-06	8.03E-07	1.40E-02	2.20E-06	6.79E-06	2.20E-02	3.46E-06	1.36E-06
37	485973.61, 3855186.51	1.62E-02	2.56E-06	1.00E-06	1.75E-02	2.76E-06	8.49E-06	2.75E-02	4.33E-06	1.70E-06
38	486023.61, 3855186.51	1.57E-02	2.48E-06	9.73E-07	1.69E-02	2.67E-06	8.22E-06	2.66E-02	4.19E-06	1.65E-06
39	486073.61, 3855186.51	1.51E-02	2.38E-06	9.35E-07	1.63E-02	2.56E-06	7.90E-06	2.56E-02	4.03E-06	1.58E-06
40	486123.61, 3855186.51	1.45E-02	2.29E-06	9.00E-07	1.57E-02	2.47E-06	7.60E-06	2.46E-02	3.88E-06	1.52E-06
41	486173.61, 3855186.51	1.41E-02	2.22E-06	8.73E-07	1.52E-02	2.39E-06	7.37E-06	2.39E-02	3.76E-06	1.48E-06
42	486223.61, 3855186.51	1.37E-02	2.16E-06	8.47E-07	1.48E-02	2.32E-06	7.16E-06	2.32E-02	3.65E-06	1.44E-06
43	486273.61, 3855186.51	1.33E-02	2.09E-06	8.21E-07	1.43E-02	2.25E-06	6.94E-06	2.25E-02	3.54E-06	1.39E-06
44	486323.61, 3855186.51	1.32E-02	2.08E-06	8.17E-07	1.42E-02	2.24E-06	6.91E-06	2.24E-02	3.53E-06	1.39E-06
45	485973.61, 3855236.51	1.73E-02	2.72E-06	1.07E-06	1.86E-02	2.93E-06	9.04E-06	2.92E-02	4.61E-06	1.81E-06
46	486023.61, 3855236.51	1.66E-02	2.61E-06	1.03E-06	1.79E-02	2.82E-06	8.68E-06	2.81E-02	4.42E-06	1.74E-06
47	486073.61, 3855236.51	1.59E-02	2.51E-06	9.85E-07	1.72E-02	2.70E-06	8.32E-06	2.69E-02	4.24E-06	1.67E-06
48	486123.61, 3855236.51	1.54E-02	2.42E-06	9.53E-07	1.66E-02	2.61E-06	8.05E-06	2.61E-02	4.10E-06	1.61E-06
49	486173.61, 3855236.51	1.49E-02	2.35E-06	9.23E-07	1.61E-02	2.53E-06	7.80E-06	2.53E-02	3.98E-06	1.56E-06
50	486223.61, 3855236.51	1.44E-02	2.27E-06	8.93E-07	1.56E-02	2.45E-06	7.55E-06	2.44E-02	3.85E-06	1.51E-06
51	486273.61, 3855236.51	1.38E-02	2.18E-06	8.55E-07	1.49E-02	2.34E-06	7.22E-06	2.34E-02	3.69E-06	1.45E-06
52	486323.61, 3855236.51	1.39E-02	2.19E-06	8.61E-07	1.50E-02	2.36E-06	7.28E-06	2.36E-02	3.71E-06	1.46E-06
53	485973.61, 3855286.51	1.83E-02	2.89E-06	1.14E-06	1.98E-02	3.11E-06	9.59E-06	3.10E-02	4.89E-06	1.92E-06
54	486023.61, 3855286.51	1.76E-02	2.77E-06	1.09E-06	1.89E-02	2.98E-06	9.18E-06	2.97E-02	4.68E-06	1.84E-06
55	486073.61, 3855286.51	1.69E-02	2.66E-06	1.05E-06	1.82E-02	2.87E-06	8.83E-06	2.86E-02	4.50E-06	1.77E-06
56	486123.61, 3855286.51	1.62E-02	2.56E-06	1.00E-06	1.75E-02	2.75E-06	8.48E-06	2.75E-02	4.33E-06	1.70E-06
57	486173.61, 3855286.51	1.56E-02	2.46E-06	9.68E-07	1.69E-02	2.66E-06	8.18E-06	2.65E-02	4.17E-06	1.64E-06
58	486223.61, 3855286.51	1.52E-02	2.39E-06	9.40E-07	1.64E-02	2.58E-06	7.95E-06	2.57E-02	4.05E-06	1.59E-06
59	486123.61, 3855336.51	1.71E-02	2.69E-06	1.06E-06	1.84E-02	2.90E-06	8.93E-06	2.89E-02	4.55E-06	1.79E-06
60	486173.61, 3855336.51	1.65E-02	2.60E-06	1.02E-06	1.78E-02	2.81E-06	8.64E-06	2.80E-02	4.41E-06	1.73E-06

61	486223.61, 3855336.51	1.60E-02	2.52E-06	9.89E-07	1.72E-02	2.71E-06	8.35E-06	2.71E-02	4.26E-06	1.68E-06
62	486123.61, 3855386.51	1.80E-02	2.83E-06	1.11E-06	1.94E-02	3.05E-06	9.41E-06	3.05E-02	4.80E-06	1.89E-06
63	486173.61, 3855386.51	1.74E-02	2.74E-06	1.08E-06	1.87E-02	2.95E-06	9.10E-06	2.95E-02	4.64E-06	1.82E-06
64	486223.61, 3855386.51	1.69E-02	2.66E-06	1.04E-06	1.82E-02	2.86E-06	8.82E-06	2.86E-02	4.50E-06	1.77E-06
65	486533.18, 3855443.15	1.52E-02	2.39E-06	9.38E-07	1.63E-02	2.57E-06	7.93E-06	2.58E-02	4.06E-06	1.59E-06
66	486583.18, 3855443.15	1.47E-02	2.32E-06	9.13E-07	1.59E-02	2.51E-06	7.72E-06	2.51E-02	3.95E-06	1.55E-06
67	486633.18, 3855443.15	1.44E-02	2.26E-06	8.89E-07	1.55E-02	2.44E-06	7.51E-06	2.44E-02	3.85E-06	1.51E-06
68	486683.18, 3855443.15	1.41E-02	2.22E-06	8.72E-07	1.52E-02	2.39E-06	7.37E-06	2.40E-02	3.77E-06	1.48E-06
69	486533.18, 3855493.15	1.58E-02	2.49E-06	9.80E-07	1.71E-02	2.69E-06	8.28E-06	2.69E-02	4.24E-06	1.67E-06
70	486583.18, 3855493.15	1.54E-02	2.43E-06	9.55E-07	1.66E-02	2.62E-06	8.08E-06	2.62E-02	4.14E-06	1.62E-06
71	486633.18, 3855493.15	1.50E-02	2.37E-06	9.30E-07	1.62E-02	2.55E-06	7.87E-06	2.56E-02	4.03E-06	1.58E-06
72	486683.18, 3855493.15	1.47E-02	2.31E-06	9.07E-07	1.58E-02	2.49E-06	7.67E-06	2.49E-02	3.93E-06	1.54E-06
73	486533.18, 3855543.15	1.66E-02	2.61E-06	1.03E-06	1.79E-02	2.82E-06	8.68E-06	2.82E-02	4.45E-06	1.75E-06
74	486583.18, 3855543.15	1.60E-02	2.53E-06	9.93E-07	1.73E-02	2.73E-06	8.40E-06	2.73E-02	4.30E-06	1.69E-06
75	486633.18, 3855543.15	1.56E-02	2.47E-06	9.69E-07	1.69E-02	2.66E-06	8.19E-06	2.66E-02	4.20E-06	1.65E-06
76	486683.18, 3855543.15	1.51E-02	2.38E-06	9.37E-07	1.63E-02	2.57E-06	7.92E-06	2.58E-02	4.06E-06	1.59E-06
77	486533.18, 3855593.15	1.73E-02	2.73E-06	1.07E-06	1.87E-02	2.94E-06	9.05E-06	2.95E-02	4.64E-06	1.82E-06
78	486583.18, 3855593.15	1.68E-02	2.64E-06	1.04E-06	1.81E-02	2.85E-06	8.77E-06	2.85E-02	4.50E-06	1.77E-06
79	486633.18, 3855593.15	1.63E-02	2.57E-06	1.01E-06	1.76E-02	2.77E-06	8.53E-06	2.77E-02	4.37E-06	1.72E-06
80	486683.18, 3855593.15	1.59E-02	2.51E-06	9.84E-07	1.72E-02	2.70E-06	8.32E-06	2.71E-02	4.27E-06	1.68E-06
81	486533.18, 3855643.15	1.81E-02	2.85E-06	1.12E-06	1.95E-02	3.07E-06	9.45E-06	3.08E-02	4.85E-06	1.90E-06
82	486583.18, 3855643.15	1.75E-02	2.76E-06	1.08E-06	1.89E-02	2.98E-06	9.17E-06	2.99E-02	4.70E-06	1.85E-06
83	486633.18, 3855643.15	1.70E-02	2.68E-06	1.05E-06	1.83E-02	2.89E-06	8.90E-06	2.90E-02	4.57E-06	1.79E-06
84	486683.18, 3855643.15	1.66E-02	2.61E-06	1.02E-06	1.79E-02	2.81E-06	8.67E-06	2.82E-02	4.45E-06	1.75E-06
85	486533.18, 3855693.15	1.89E-02	2.98E-06	1.17E-06	2.04E-02	3.22E-06	9.92E-06	3.23E-02	5.09E-06	2.00E-06
86	486583.18, 3855693.15	1.82E-02	2.87E-06	1.13E-06	1.97E-02	3.10E-06	9.54E-06	3.11E-02	4.90E-06	1.92E-06
87	486633.18, 3855693.15	1.75E-02	2.76E-06	1.09E-06	1.89E-02	2.98E-06	9.18E-06	2.99E-02	4.71E-06	1.85E-06
88	486683.18, 3855693.15	1.72E-02	2.71E-06	1.07E-06	1.86E-02	2.93E-06	9.02E-06	2.94E-02	4.63E-06	1.82E-06
89	486733.18, 3855693.15	1.71E-02	2.69E-06	1.06E-06	1.84E-02	2.90E-06	8.93E-06	2.91E-02	4.58E-06	1.80E-06
90	486783.18, 3855693.15	1.70E-02	2.67E-06	1.05E-06	1.83E-02	2.88E-06	8.88E-06	2.89E-02	4.56E-06	1.79E-06
91	486533.18, 3855743.15	1.98E-02	3.11E-06	1.22E-06	2.13E-02	3.36E-06	1.03E-05	3.37E-02	5.31E-06	2.09E-06
92	486583.18, 3855743.15	1.89E-02	2.97E-06	1.17E-06	2.04E-02	3.21E-06	9.88E-06	3.22E-02	5.08E-06	1.99E-06
93	486633.18, 3855743.15	1.83E-02	2.88E-06	1.13E-06	1.97E-02	3.11E-06	9.57E-06	3.12E-02	4.91E-06	1.93E-06
94	486683.18, 3855743.15	1.80E-02	2.84E-06	1.12E-06	1.95E-02	3.06E-06	9.44E-06	3.08E-02	4.85E-06	1.91E-06
95	486733.18, 3855743.15	1.77E-02	2.79E-06	1.09E-06	1.91E-02	3.01E-06	9.26E-06	3.02E-02	4.76E-06	1.87E-06
96	486783.18, 3855743.15	1.77E-02	2.78E-06	1.09E-06	1.91E-02	3.00E-06	9.25E-06	3.02E-02	4.75E-06	1.87E-06
97	486533.18, 3855793.15	2.06E-02	3.25E-06	1.28E-06	2.23E-02	3.51E-06	1.08E-05	3.52E-02	5.55E-06	2.18E-06
98	486583.18, 3855793.15	1.95E-02	3.07E-06	1.21E-06	2.10E-02	3.31E-06	1.02E-05	3.33E-02	5.24E-06	2.06E-06
99	486633.18, 3855793.15	1.92E-02	3.02E-06	1.19E-06	2.07E-02	3.26E-06	1.00E-05	3.28E-02	5.16E-06	2.03E-06
100	486683.18, 3855793.15	1.89E-02	2.98E-06	1.17E-06	2.04E-02	3.22E-06	9.91E-06	3.24E-02	5.10E-06	2.00E-06
101	486733.18, 3855793.15	1.86E-02	2.93E-06	1.15E-06	2.01E-02	3.16E-06	9.74E-06	3.18E-02	5.01E-06	1.97E-06
102	486783.18, 3855793.15	1.84E-02	2.89E-06	1.14E-06	1.98E-02	3.12E-06	9.61E-06	3.14E-02	4.94E-06	1.94E-06
103	486533.18, 3855843.15	2.13E-02	3.36E-06	1.32E-06	2.30E-02	3.62E-06	1.12E-05	3.64E-02	5.74E-06	2.25E-06
104	486583.18, 3855843.15	2.03E-02	3.20E-06	1.26E-06	2.20E-02	3.46E-06	1.07E-05	3.48E-02	5.48E-06	2.15E-06
105	486633.18, 3855843.15	2.00E-02	3.16E-06	1.24E-06	2.16E-02	3.41E-06	1.05E-05	3.43E-02	5.40E-06	2.12E-06
106	486683.18, 3855843.15	1.98E-02	3.11E-06	1.22E-06	2.13E-02	3.36E-06	1.03E-05	3.38E-02	5.33E-06	2.09E-06
107	486733.18, 3855843.15	1.95E-02	3.07E-06	1.21E-06	2.10E-02	3.31E-06	1.02E-05	3.33E-02	5.25E-06	2.06E-06
108	486783.18, 3855843.15	1.92E-02	3.02E-06	1.19E-06	2.07E-02	3.26E-06	1.00E-05	3.28E-02	5.17E-06	2.03E-06
109	486533.18, 3855893.15	2.17E-02	3.42E-06	1.34E-06	2.34E-02	3.69E-06	1.14E-05	3.72E-02	5.86E-06	2.30E-06
110	486583.18, 3855893.15	2.13E-02	3.36E-06	1.32E-06	2.30E-02	3.63E-06	1.12E-05	3.65E-02	5.75E-06	2.26E-06
111	486633.18, 3855893.15	2.09E-02	3.30E-06	1.30E-06	2.26E-02	3.56E-06	1.10E-05	3.58E-02	5.64E-06	2.22E-06
112	486683.18, 3855893.15	2.06E-02	3.25E-06	1.28E-06	2.22E-02	3.51E-06	1.08E-05	3.53E-02	5.56E-06	2.18E-06
113	486733.18, 3855893.15	2.03E-02	3.20E-06	1.26E-06	2.19E-02	3.45E-06	1.06E-05	3.48E-02	5.48E-06	2.15E-06
114	486783.18, 3855893.15	2.01E-02	3.16E-06	1.24E-06	2.17E-02	3.42E-06	1.05E-05	3.44E-02	5.42E-06	2.13E-06
115	486533.18, 3855943.15	2.26E-02	3.56E-06	1.40E-06	2.44E-02	3.84E-06	1.18E-05	3.87E-02	6.09E-06	2.39E-06
116	486583.18, 3855943.15	2.24E-02	3.52E-06	1.38E-06	2.41E-02	3.80E-06	1.17E-05	3.83E-02	6.04E-06	2.37E-06
117	486633.18, 3855943.15	2.19E-02	3.44E-06	1.35E-06	2.36E-02	3.72E-06	1.14E-05	3.75E-02	5.90E-06	2.32E-06
118	486683.18, 3855943.15	2.16E-02	3.40E-06	1.34E-06	2.33E-02	3.67E-06	1.13E-05	3.70E-02	5.83E-06	2.29E-06
119	486733.18, 3855943.15	2.12E-02	3.34E-06	1.31E-06	2.29E-02	3.60E-06	1.11E-05	3.63E-02	5.72E-06	2.25E-06
120	486783.18, 3855943.15	2.10E-02	3.30E-06	1.30E-06	2.26E-02	3.57E-06	1.10E-05	3.60E-02	5.66E-06	2.23E-06
121	486533.18, 3855993.15	2.36E-02	3.73E-06	1.46E-06	2.55E-02	4.02E-06	1.24E-05	4.06E-02	6.39E-06	2.51E-06
122	486583.18, 3855993.15	2.33E-02	3.66E-06	1.44E-06	2.51E-02	3.95E-06	1.22E-05	3.99E-02	6.28E-06	2.47E-06
123	486633.18, 3855993.15	2.28E-02	3.60E-06	1.41E-06	2.46E-02	3.88E-06	1.20E-05	3.92E-02	6.17E-06	2.42E-06
124	486683.18, 3855993.15	2.25E-02	3.55E-06	1.39E-06	2.43E-02	3.83E-06	1.18E-05	3.87E-02	6.09E-06	2.39E-06

125	486733.18, 3855993.15	2.21E-02	3.49E-06	1.37E-06	2.39E-02	3.76E-06	1.16E-05	3.80E-02	5.98E-06	2.35E-06
126	486783.18, 3855993.15	2.18E-02	3.44E-06	1.35E-06	2.36E-02	3.71E-06	1.14E-05	3.74E-02	5.90E-06	2.32E-06
127	486533.18, 3856043.15	2.47E-02	3.89E-06	1.53E-06	2.67E-02	4.20E-06	1.29E-05	4.24E-02	6.68E-06	2.62E-06
128	486583.18, 3856043.15	2.44E-02	3.84E-06	1.51E-06	2.63E-02	4.14E-06	1.28E-05	4.18E-02	6.59E-06	2.59E-06
129	486633.18, 3856043.15	2.38E-02	3.75E-06	1.48E-06	2.57E-02	4.05E-06	1.25E-05	4.09E-02	6.45E-06	2.53E-06
130	486683.18, 3856043.15	2.35E-02	3.71E-06	1.46E-06	2.54E-02	4.00E-06	1.23E-05	4.04E-02	6.37E-06	2.50E-06
131	486733.18, 3856043.15	2.31E-02	3.63E-06	1.43E-06	2.49E-02	3.92E-06	1.21E-05	3.96E-02	6.24E-06	2.45E-06
132	486783.18, 3856043.15	2.28E-02	3.60E-06	1.41E-06	2.47E-02	3.88E-06	1.20E-05	3.92E-02	6.18E-06	2.43E-06
133	486533.18, 3856093.15	2.59E-02	4.09E-06	1.61E-06	2.80E-02	4.41E-06	1.36E-05	4.46E-02	7.02E-06	2.76E-06
134	486583.18, 3856093.15	2.54E-02	4.01E-06	1.57E-06	2.75E-02	4.33E-06	1.33E-05	4.37E-02	6.89E-06	2.71E-06
135	486633.18, 3856093.15	2.49E-02	3.93E-06	1.54E-06	2.69E-02	4.24E-06	1.31E-05	4.28E-02	6.75E-06	2.65E-06
136	486683.18, 3856093.15	2.46E-02	3.87E-06	1.52E-06	2.65E-02	4.18E-06	1.29E-05	4.22E-02	6.65E-06	2.61E-06
137	486733.18, 3856093.15	2.41E-02	3.80E-06	1.49E-06	2.60E-02	4.10E-06	1.26E-05	4.14E-02	6.53E-06	2.56E-06
138	486783.18, 3856093.15	2.38E-02	3.75E-06	1.47E-06	2.57E-02	4.05E-06	1.25E-05	4.09E-02	6.44E-06	2.53E-06
139	486533.18, 3856143.15	2.71E-02	4.27E-06	1.68E-06	2.93E-02	4.61E-06	1.42E-05	4.66E-02	7.35E-06	2.89E-06
140	486583.18, 3856143.15	2.65E-02	4.17E-06	1.64E-06	2.86E-02	4.50E-06	1.39E-05	4.55E-02	7.18E-06	2.82E-06
141	486633.18, 3856143.15	2.60E-02	4.10E-06	1.61E-06	2.81E-02	4.43E-06	1.36E-05	4.48E-02	7.06E-06	2.77E-06
142	486683.18, 3856143.15	2.56E-02	4.03E-06	1.58E-06	2.76E-02	4.35E-06	1.34E-05	4.40E-02	6.94E-06	2.72E-06
143	486733.18, 3856143.15	2.52E-02	3.96E-06	1.56E-06	2.72E-02	4.28E-06	1.32E-05	4.33E-02	6.82E-06	2.68E-06
144	486783.18, 3856143.15	2.49E-02	3.93E-06	1.54E-06	2.69E-02	4.24E-06	1.31E-05	4.29E-02	6.75E-06	2.65E-06
145	486533.18, 3856193.15	2.85E-02	4.48E-06	1.76E-06	3.07E-02	4.84E-06	1.49E-05	4.90E-02	7.72E-06	3.03E-06
146	486583.18, 3856193.15	2.77E-02	4.36E-06	1.71E-06	2.99E-02	4.71E-06	1.45E-05	4.77E-02	7.51E-06	2.95E-06
147	486633.18, 3856193.15	2.72E-02	4.28E-06	1.68E-06	2.94E-02	4.63E-06	1.43E-05	4.68E-02	7.38E-06	2.90E-06
148	486683.18, 3856193.15	2.69E-02	4.23E-06	1.66E-06	2.90E-02	4.57E-06	1.41E-05	4.62E-02	7.29E-06	2.86E-06
149	486733.18, 3856193.15	2.63E-02	4.15E-06	1.63E-06	2.84E-02	4.48E-06	1.38E-05	4.53E-02	7.14E-06	2.80E-06
150	486783.18, 3856193.15	2.60E-02	4.10E-06	1.61E-06	2.81E-02	4.43E-06	1.36E-05	4.49E-02	7.07E-06	2.78E-06
151	486533.18, 3856243.15	2.98E-02	4.69E-06	1.84E-06	3.22E-02	5.07E-06	1.56E-05	5.13E-02	8.09E-06	3.18E-06
152	486583.18, 3856243.15	2.91E-02	4.58E-06	1.80E-06	3.14E-02	4.95E-06	1.53E-05	5.02E-02	7.90E-06	3.10E-06
153	486633.18, 3856243.15	2.85E-02	4.49E-06	1.76E-06	3.08E-02	4.85E-06	1.49E-05	4.91E-02	7.74E-06	3.04E-06
154	486683.18, 3856243.15	2.80E-02	4.41E-06	1.73E-06	3.03E-02	4.77E-06	1.47E-05	4.83E-02	7.60E-06	2.99E-06
155	486733.18, 3856243.15	2.76E-02	4.35E-06	1.71E-06	2.98E-02	4.70E-06	1.45E-05	4.76E-02	7.50E-06	2.95E-06
156	486783.18, 3856243.15	2.71E-02	4.27E-06	1.68E-06	2.93E-02	4.62E-06	1.42E-05	4.68E-02	7.37E-06	2.89E-06
157	486533.18, 3856293.15	3.13E-02	4.93E-06	1.94E-06	3.38E-02	5.32E-06	1.64E-05	5.39E-02	8.50E-06	3.34E-06
158	486583.18, 3856293.15	3.05E-02	4.80E-06	1.89E-06	3.29E-02	5.19E-06	1.60E-05	5.26E-02	8.29E-06	3.26E-06
159	486633.18, 3856293.15	2.99E-02	4.70E-06	1.85E-06	3.23E-02	5.08E-06	1.57E-05	5.15E-02	8.12E-06	3.19E-06
160	486683.18, 3856293.15	2.93E-02	4.62E-06	1.81E-06	3.17E-02	4.99E-06	1.54E-05	5.05E-02	7.96E-06	3.13E-06
161	486733.18, 3856293.15	2.89E-02	4.56E-06	1.79E-06	3.12E-02	4.92E-06	1.52E-05	4.99E-02	7.86E-06	3.09E-06
162	486783.18, 3856293.15	2.84E-02	4.47E-06	1.76E-06	3.07E-02	4.83E-06	1.49E-05	4.89E-02	7.71E-06	3.03E-06
163	486783.18, 3856343.15	2.98E-02	4.70E-06	1.85E-06	3.22E-02	5.08E-06	1.56E-05	5.15E-02	8.11E-06	3.19E-06
164	486833.18, 3856343.15	2.93E-02	4.62E-06	1.82E-06	3.17E-02	4.99E-06	1.54E-05	5.06E-02	7.98E-06	3.13E-06
165	486883.18, 3856343.15	2.89E-02	4.55E-06	1.79E-06	3.12E-02	4.91E-06	1.51E-05	4.98E-02	7.85E-06	3.08E-06
166	486783.18, 3856393.15	3.11E-02	4.91E-06	1.93E-06	3.37E-02	5.30E-06	1.63E-05	5.38E-02	8.47E-06	3.33E-06
167	486833.18, 3856393.15	3.06E-02	4.83E-06	1.90E-06	3.31E-02	5.21E-06	1.61E-05	5.29E-02	8.33E-06	3.27E-06
168	486883.18, 3856393.15	3.00E-02	4.73E-06	1.86E-06	3.24E-02	5.11E-06	1.57E-05	5.18E-02	8.16E-06	3.20E-06
169	487208.74, 3856886.11	4.04E-02	6.36E-06	2.50E-06	4.36E-02	6.87E-06	2.12E-05	6.99E-02	1.10E-05	4.33E-06
170	487258.74, 3856886.11	3.92E-02	6.18E-06	2.43E-06	4.24E-02	6.68E-06	2.06E-05	6.79E-02	1.07E-05	4.20E-06
171	487308.74, 3856886.11	3.81E-02	6.01E-06	2.36E-06	4.12E-02	6.49E-06	2.00E-05	6.60E-02	1.04E-05	4.09E-06
172	487358.74, 3856886.11	3.71E-02	5.84E-06	2.30E-06	4.01E-02	6.31E-06	1.94E-05	6.42E-02	1.01E-05	3.97E-06
173	487208.74, 3856936.11	4.23E-02	6.67E-06	2.62E-06	4.57E-02	7.21E-06	2.22E-05	7.33E-02	1.15E-05	4.54E-06
174	487258.74, 3856936.11	4.10E-02	6.47E-06	2.54E-06	4.44E-02	6.99E-06	2.15E-05	7.11E-02	1.12E-05	4.40E-06
175	487308.74, 3856936.11	3.99E-02	6.28E-06	2.47E-06	4.31E-02	6.79E-06	2.09E-05	6.91E-02	1.09E-05	4.27E-06
176	487358.74, 3856936.11	3.88E-02	6.10E-06	2.40E-06	4.19E-02	6.60E-06	2.03E-05	6.71E-02	1.06E-05	4.15E-06
177	487208.74, 3856986.11	4.44E-02	7.00E-06	2.75E-06	4.80E-02	7.57E-06	2.33E-05	7.70E-02	1.21E-05	4.77E-06
178	487258.74, 3856986.11	4.31E-02	6.79E-06	2.67E-06	4.66E-02	7.34E-06	2.26E-05	7.47E-02	1.18E-05	4.62E-06
179	487308.74, 3856986.11	4.17E-02	6.57E-06	2.58E-06	4.51E-02	7.10E-06	2.19E-05	7.23E-02	1.14E-05	4.47E-06
180	487358.74, 3856986.11	4.05E-02	6.39E-06	2.51E-06	4.38E-02	6.90E-06	2.13E-05	7.02E-02	1.11E-05	4.35E-06
181	487208.74, 3857036.11	4.67E-02	7.36E-06	2.89E-06	5.05E-02	7.96E-06	2.45E-05	8.10E-02	1.28E-05	5.01E-06
182	487258.74, 3857036.11	4.52E-02	7.12E-06	2.80E-06	4.88E-02	7.69E-06	2.37E-05	7.83E-02	1.23E-05	4.85E-06
183	487308.74, 3857036.11	4.38E-02	6.90E-06	2.71E-06	4.73E-02	7.46E-06	2.30E-05	7.59E-02	1.20E-05	4.70E-06
184	487358.74, 3857036.11	4.24E-02	6.69E-06	2.63E-06	4.59E-02	7.23E-06	2.23E-05	7.36E-02	1.16E-05	4.55E-06
185	487427.14, 3856878.23	3.56E-02	5.62E-06	2.21E-06	3.85E-02	6.07E-06	1.87E-05	6.17E-02	9.72E-06	3.82E-06
186	487477.14, 3856878.23	3.48E-02	5.48E-06	2.15E-06	3.76E-02	5.92E-06	1.82E-05	6.02E-02	9.48E-06	3.72E-06
187	487527.14, 3856878.23	3.39E-02	5.35E-06	2.10E-06	3.67E-02	5.78E-06	1.78E-05	5.87E-02	9.25E-06	3.63E-06
188	487427.14, 3856928.23	3.71E-02	5.85E-06	2.30E-06	4.01E-02	6.32E-06	1.95E-05	6.43E-02	1.01E-05	3.98E-06

189	487477.14, 3856928.23	3.61E-02	5.69E-06	2.24E-06	3.91E-02	6.15E-06	1.90E-05	6.25E-02	9.85E-06	3.87E-06
190	487527.14, 3856928.23	3.52E-02	5.55E-06	2.18E-06	3.81E-02	6.00E-06	1.85E-05	6.10E-02	9.61E-06	3.78E-06
191	487577.14, 3856928.23	3.44E-02	5.42E-06	2.13E-06	3.72E-02	5.86E-06	1.80E-05	5.95E-02	9.38E-06	3.68E-06
192	487627.14, 3856928.23	3.35E-02	5.28E-06	2.07E-06	3.62E-02	5.71E-06	1.76E-05	5.80E-02	9.14E-06	3.59E-06
193	487677.14, 3856928.23	3.28E-02	5.16E-06	2.03E-06	3.54E-02	5.58E-06	1.72E-05	5.67E-02	8.93E-06	3.51E-06
194	487727.14, 3856928.23	3.21E-02	5.05E-06	1.98E-06	3.46E-02	5.46E-06	1.68E-05	5.55E-02	8.74E-06	3.43E-06
195	487777.14, 3856928.23	3.13E-02	4.94E-06	1.94E-06	3.39E-02	5.33E-06	1.64E-05	5.42E-02	8.54E-06	3.35E-06
196	487427.14, 3856978.23	3.87E-02	6.09E-06	2.39E-06	4.18E-02	6.59E-06	2.03E-05	6.70E-02	1.06E-05	4.15E-06
197	487477.14, 3856978.23	3.76E-02	5.93E-06	2.33E-06	4.07E-02	6.41E-06	1.97E-05	6.52E-02	1.03E-05	4.03E-06
198	487527.14, 3856978.23	3.67E-02	5.78E-06	2.27E-06	3.96E-02	6.24E-06	1.92E-05	6.35E-02	1.00E-05	3.93E-06
199	487577.14, 3856978.23	3.57E-02	5.63E-06	2.21E-06	3.86E-02	6.08E-06	1.87E-05	6.18E-02	9.74E-06	3.83E-06
200	487627.14, 3856978.23	3.48E-02	5.48E-06	2.15E-06	3.76E-02	5.92E-06	1.82E-05	6.02E-02	9.48E-06	3.72E-06
201	487677.14, 3856978.23	3.39E-02	5.35E-06	2.10E-06	3.67E-02	5.78E-06	1.78E-05	5.88E-02	9.26E-06	3.64E-06
202	487727.14, 3856978.23	3.30E-02	5.20E-06	2.04E-06	3.57E-02	5.62E-06	1.73E-05	5.72E-02	9.00E-06	3.54E-06
203	487777.14, 3856978.23	3.24E-02	5.11E-06	2.01E-06	3.50E-02	5.52E-06	1.70E-05	5.61E-02	8.84E-06	3.47E-06
204	487427.14, 3857028.23	4.04E-02	6.37E-06	2.50E-06	4.37E-02	6.88E-06	2.12E-05	7.00E-02	1.10E-05	4.33E-06
205	487477.14, 3857028.23	3.93E-02	6.18E-06	2.43E-06	4.24E-02	6.69E-06	2.06E-05	6.80E-02	1.07E-05	4.21E-06
206	487527.14, 3857028.23	3.81E-02	6.01E-06	2.36E-06	4.12E-02	6.50E-06	2.00E-05	6.61E-02	1.04E-05	4.09E-06
207	487577.14, 3857028.23	3.71E-02	5.85E-06	2.30E-06	4.01E-02	6.32E-06	1.95E-05	6.43E-02	1.01E-05	3.98E-06
208	487627.14, 3857028.23	3.61E-02	5.68E-06	2.23E-06	3.90E-02	6.14E-06	1.89E-05	6.25E-02	9.84E-06	3.87E-06
209	487677.14, 3857028.23	3.52E-02	5.54E-06	2.18E-06	3.80E-02	5.99E-06	1.84E-05	6.09E-02	9.59E-06	3.77E-06
210	487727.14, 3857028.23	3.43E-02	5.41E-06	2.12E-06	3.71E-02	5.85E-06	1.80E-05	5.95E-02	9.37E-06	3.68E-06
211	487777.14, 3857028.23	3.35E-02	5.28E-06	2.07E-06	3.62E-02	5.70E-06	1.76E-05	5.80E-02	9.14E-06	3.59E-06
212	487427.14, 3857078.23	4.23E-02	6.66E-06	2.62E-06	4.57E-02	7.20E-06	2.22E-05	7.33E-02	1.15E-05	4.53E-06
213	487477.14, 3857078.23	4.09E-02	6.45E-06	2.53E-06	4.43E-02	6.97E-06	2.15E-05	7.10E-02	1.12E-05	4.39E-06
214	487527.14, 3857078.23	3.97E-02	6.26E-06	2.46E-06	4.30E-02	6.77E-06	2.08E-05	6.89E-02	1.09E-05	4.26E-06
215	487577.14, 3857078.23	3.86E-02	6.08E-06	2.39E-06	4.17E-02	6.57E-06	2.02E-05	6.69E-02	1.05E-05	4.14E-06
216	487627.14, 3857078.23	3.75E-02	5.91E-06	2.32E-06	4.05E-02	6.38E-06	1.97E-05	6.50E-02	1.02E-05	4.02E-06
217	487677.14, 3857078.23	3.65E-02	5.75E-06	2.26E-06	3.94E-02	6.21E-06	1.91E-05	6.32E-02	9.96E-06	3.91E-06
218	487727.14, 3857078.23	3.55E-02	5.60E-06	2.20E-06	3.84E-02	6.05E-06	1.86E-05	6.16E-02	9.70E-06	3.81E-06
219	487777.14, 3857078.23	3.46E-02	5.45E-06	2.14E-06	3.74E-02	5.89E-06	1.82E-05	6.00E-02	9.45E-06	3.71E-06
220	487427.14, 3857128.23	4.42E-02	6.97E-06	2.74E-06	4.78E-02	7.54E-06	2.32E-05	7.68E-02	1.21E-05	4.75E-06
221	487477.14, 3857128.23	4.28E-02	6.74E-06	2.65E-06	4.62E-02	7.28E-06	2.24E-05	7.42E-02	1.17E-05	4.59E-06
222	487527.14, 3857128.23	4.14E-02	6.52E-06	2.56E-06	4.48E-02	7.05E-06	2.17E-05	7.18E-02	1.13E-05	4.44E-06
223	487577.14, 3857128.23	4.02E-02	6.33E-06	2.49E-06	4.34E-02	6.84E-06	2.11E-05	6.96E-02	1.10E-05	4.31E-06
224	487627.14, 3857128.23	3.90E-02	6.14E-06	2.41E-06	4.21E-02	6.64E-06	2.04E-05	6.76E-02	1.06E-05	4.18E-06
225	487677.14, 3857128.23	3.78E-02	5.96E-06	2.34E-06	4.09E-02	6.44E-06	1.98E-05	6.56E-02	1.03E-05	4.06E-06
226	487727.14, 3857128.23	3.68E-02	5.80E-06	2.28E-06	3.98E-02	6.27E-06	1.93E-05	6.39E-02	1.01E-05	3.95E-06
227	487777.14, 3857128.23	3.58E-02	5.64E-06	2.22E-06	3.87E-02	6.10E-06	1.88E-05	6.21E-02	9.78E-06	3.84E-06
228	488049.44, 3856539.39	2.26E-02	3.55E-06	1.40E-06	2.44E-02	3.84E-06	1.18E-05	3.89E-02	6.13E-06	2.41E-06
229	488099.44, 3856539.39	2.22E-02	3.49E-06	1.37E-06	2.39E-02	3.77E-06	1.16E-05	3.82E-02	6.02E-06	2.37E-06
230	488149.44, 3856539.39	2.18E-02	3.44E-06	1.35E-06	2.36E-02	3.71E-06	1.14E-05	3.76E-02	5.93E-06	2.33E-06
231	488049.44, 3856589.39	2.32E-02	3.65E-06	1.44E-06	2.51E-02	3.95E-06	1.22E-05	4.00E-02	6.31E-06	2.48E-06
232	488099.44, 3856589.39	2.28E-02	3.59E-06	1.41E-06	2.46E-02	3.88E-06	1.19E-05	3.93E-02	6.20E-06	2.43E-06
233	488149.44, 3856589.39	2.24E-02	3.53E-06	1.39E-06	2.42E-02	3.81E-06	1.17E-05	3.87E-02	6.09E-06	2.39E-06
234	488199.44, 3856589.39	2.20E-02	3.47E-06	1.36E-06	2.38E-02	3.75E-06	1.15E-05	3.80E-02	5.98E-06	2.35E-06
235	488249.44, 3856589.39	2.17E-02	3.42E-06	1.35E-06	2.35E-02	3.70E-06	1.14E-05	3.75E-02	5.91E-06	2.32E-06
236	488049.44, 3856639.39	2.38E-02	3.76E-06	1.48E-06	2.58E-02	4.06E-06	1.25E-05	4.12E-02	6.48E-06	2.55E-06
237	488099.44, 3856639.39	2.34E-02	3.69E-06	1.45E-06	2.53E-02	3.99E-06	1.23E-05	4.04E-02	6.37E-06	2.50E-06
238	488149.44, 3856639.39	2.30E-02	3.62E-06	1.42E-06	2.49E-02	3.92E-06	1.21E-05	3.97E-02	6.26E-06	2.46E-06
239	488199.44, 3856639.39	2.26E-02	3.57E-06	1.40E-06	2.45E-02	3.85E-06	1.19E-05	3.91E-02	6.16E-06	2.42E-06
240	488249.44, 3856639.39	2.23E-02	3.51E-06	1.38E-06	2.41E-02	3.79E-06	1.17E-05	3.85E-02	6.06E-06	2.38E-06
241	488299.44, 3856639.39	2.19E-02	3.45E-06	1.36E-06	2.37E-02	3.73E-06	1.15E-05	3.78E-02	5.96E-06	2.34E-06
242	488349.44, 3856639.39	2.16E-02	3.40E-06	1.33E-06	2.33E-02	3.67E-06	1.13E-05	3.72E-02	5.86E-06	2.30E-06
243	488399.44, 3856639.39	2.13E-02	3.35E-06	1.32E-06	2.30E-02	3.62E-06	1.11E-05	3.67E-02	5.78E-06	2.27E-06
244	488099.44, 3856689.39	2.41E-02	3.79E-06	1.49E-06	2.60E-02	4.10E-06	1.26E-05	4.16E-02	6.55E-06	2.57E-06
245	488149.44, 3856689.39	2.36E-02	3.72E-06	1.46E-06	2.55E-02	4.02E-06	1.24E-05	4.08E-02	6.43E-06	2.53E-06
246	488199.44, 3856689.39	2.32E-02	3.66E-06	1.44E-06	2.51E-02	3.96E-06	1.22E-05	4.01E-02	6.32E-06	2.48E-06
247	488249.44, 3856689.39	2.28E-02	3.60E-06	1.41E-06	2.47E-02	3.89E-06	1.20E-05	3.94E-02	6.21E-06	2.44E-06
248	488299.44, 3856689.39	2.25E-02	3.54E-06	1.39E-06	2.43E-02	3.83E-06	1.18E-05	3.88E-02	6.12E-06	2.40E-06
249	488349.44, 3856689.39	2.21E-02	3.48E-06	1.37E-06	2.39E-02	3.76E-06	1.16E-05	3.82E-02	6.01E-06	2.36E-06
250	488399.44, 3856689.39	2.17E-02	3.42E-06	1.34E-06	2.34E-02	3.69E-06	1.14E-05	3.75E-02	5.90E-06	2.32E-06
251	488099.44, 3856739.39	2.48E-02	3.90E-06	1.53E-06	2.67E-02	4.21E-06	1.30E-05	4.28E-02	6.73E-06	2.65E-06
252	488149.44, 3856739.39	2.43E-02	3.82E-06	1.50E-06	2.62E-02	4.13E-06	1.27E-05	4.19E-02	6.60E-06	2.59E-06

253	488199.44, 3856739.39	2.39E-02	3.76E-06	1.48E-06	2.58E-02	4.06E-06	1.25E-05	4.12E-02	6.50E-06	2.55E-06
254	488249.44, 3856739.39	2.34E-02	3.69E-06	1.45E-06	2.53E-02	3.99E-06	1.23E-05	4.05E-02	6.38E-06	2.51E-06
255	488299.44, 3856739.39	2.30E-02	3.62E-06	1.42E-06	2.48E-02	3.91E-06	1.20E-05	3.97E-02	6.25E-06	2.46E-06
256	488349.44, 3856739.39	2.27E-02	3.57E-06	1.40E-06	2.45E-02	3.86E-06	1.19E-05	3.91E-02	6.16E-06	2.42E-06
257	488399.44, 3856739.39	2.23E-02	3.52E-06	1.38E-06	2.41E-02	3.80E-06	1.17E-05	3.85E-02	6.07E-06	2.39E-06
258	487999.44, 3856789.39	2.63E-02	4.15E-06	1.63E-06	2.85E-02	4.48E-06	1.38E-05	4.55E-02	7.17E-06	2.82E-06
259	488049.44, 3856789.39	2.59E-02	4.07E-06	1.60E-06	2.79E-02	4.40E-06	1.36E-05	4.47E-02	7.04E-06	2.76E-06
260	488099.44, 3856789.39	2.54E-02	4.00E-06	1.57E-06	2.75E-02	4.33E-06	1.33E-05	4.39E-02	6.92E-06	2.72E-06
261	488149.44, 3856789.39	2.49E-02	3.93E-06	1.54E-06	2.69E-02	4.24E-06	1.31E-05	4.31E-02	6.78E-06	2.66E-06
262	488199.44, 3856789.39	2.45E-02	3.86E-06	1.52E-06	2.65E-02	4.17E-06	1.28E-05	4.23E-02	6.66E-06	2.62E-06
263	488249.44, 3856789.39	2.40E-02	3.79E-06	1.49E-06	2.60E-02	4.09E-06	1.26E-05	4.15E-02	6.54E-06	2.57E-06
264	488299.44, 3856789.39	2.36E-02	3.71E-06	1.46E-06	2.55E-02	4.01E-06	1.24E-05	4.07E-02	6.42E-06	2.52E-06
265	488349.44, 3856789.39	2.32E-02	3.66E-06	1.44E-06	2.51E-02	3.95E-06	1.22E-05	4.01E-02	6.32E-06	2.48E-06
266	488399.44, 3856789.39	2.28E-02	3.60E-06	1.41E-06	2.47E-02	3.89E-06	1.20E-05	3.95E-02	6.22E-06	2.44E-06
267	487949.44, 3856839.39	2.76E-02	4.35E-06	1.71E-06	2.98E-02	4.70E-06	1.45E-05	4.77E-02	7.52E-06	2.95E-06
268	487999.44, 3856839.39	2.71E-02	4.27E-06	1.68E-06	2.93E-02	4.61E-06	1.42E-05	4.68E-02	7.37E-06	2.90E-06
269	488049.44, 3856839.39	2.66E-02	4.18E-06	1.64E-06	2.87E-02	4.52E-06	1.39E-05	4.59E-02	7.23E-06	2.84E-06
270	488099.44, 3856839.39	2.61E-02	4.11E-06	1.61E-06	2.82E-02	4.44E-06	1.37E-05	4.51E-02	7.10E-06	2.79E-06
271	488149.44, 3856839.39	2.56E-02	4.03E-06	1.58E-06	2.77E-02	4.36E-06	1.34E-05	4.42E-02	6.97E-06	2.74E-06
272	488199.44, 3856839.39	2.51E-02	3.96E-06	1.55E-06	2.71E-02	4.28E-06	1.32E-05	4.34E-02	6.84E-06	2.69E-06
273	487949.44, 3856889.39	2.84E-02	4.47E-06	1.76E-06	3.07E-02	4.83E-06	1.49E-05	4.91E-02	7.74E-06	3.04E-06
274	487999.44, 3856889.39	2.79E-02	4.39E-06	1.72E-06	3.01E-02	4.74E-06	1.46E-05	4.82E-02	7.59E-06	2.98E-06
275	488049.44, 3856889.39	2.73E-02	4.30E-06	1.69E-06	2.95E-02	4.64E-06	1.43E-05	4.72E-02	7.43E-06	2.92E-06
276	488099.44, 3856889.39	2.68E-02	4.22E-06	1.66E-06	2.89E-02	4.56E-06	1.40E-05	4.63E-02	7.29E-06	2.86E-06
277	488635.86, 3857895.05	3.02E-02	4.76E-06	1.87E-06	3.27E-02	5.15E-06	1.59E-05	5.27E-02	8.30E-06	3.26E-06
278	489137.64, 3857804.15	2.27E-02	3.58E-06	1.41E-06	2.46E-02	3.87E-06	1.19E-05	3.95E-02	6.23E-06	2.45E-06
279	488617.32, 3857859.41	3.04E-02	4.79E-06	1.88E-06	3.29E-02	5.18E-06	1.60E-05	5.29E-02	8.34E-06	3.28E-06
280	488667.32, 3857859.41	2.95E-02	4.64E-06	1.82E-06	3.19E-02	5.02E-06	1.55E-05	5.14E-02	8.09E-06	3.18E-06
281	488717.32, 3857859.41	2.86E-02	4.51E-06	1.77E-06	3.10E-02	4.88E-06	1.50E-05	4.98E-02	7.85E-06	3.08E-06
282	488767.32, 3857859.41	2.78E-02	4.37E-06	1.72E-06	3.00E-02	4.73E-06	1.46E-05	4.83E-02	7.61E-06	2.99E-06
283	488617.32, 3857909.41	3.07E-02	4.83E-06	1.90E-06	3.32E-02	5.23E-06	1.61E-05	5.35E-02	8.42E-06	3.31E-06
284	488667.32, 3857909.41	2.97E-02	4.67E-06	1.84E-06	3.21E-02	5.05E-06	1.56E-05	5.16E-02	8.13E-06	3.20E-06
285	488717.32, 3857909.41	2.88E-02	4.54E-06	1.78E-06	3.12E-02	4.91E-06	1.51E-05	5.02E-02	7.90E-06	3.11E-06
286	488767.32, 3857909.41	2.79E-02	4.40E-06	1.73E-06	3.02E-02	4.76E-06	1.46E-05	4.86E-02	7.66E-06	3.01E-06
287	488417.32, 3857959.41	3.58E-02	5.64E-06	2.22E-06	3.87E-02	6.10E-06	1.88E-05	6.25E-02	9.85E-06	3.87E-06
288	488467.32, 3857959.41	3.44E-02	5.43E-06	2.13E-06	3.73E-02	5.87E-06	1.81E-05	6.01E-02	9.47E-06	3.72E-06
289	488517.32, 3857959.41	3.32E-02	5.23E-06	2.05E-06	3.59E-02	5.65E-06	1.74E-05	5.79E-02	9.11E-06	3.58E-06
290	488567.32, 3857959.41	3.20E-02	5.04E-06	1.98E-06	3.46E-02	5.45E-06	1.68E-05	5.57E-02	8.78E-06	3.45E-06
291	488617.32, 3857959.41	3.09E-02	4.87E-06	1.91E-06	3.34E-02	5.27E-06	1.62E-05	5.38E-02	8.48E-06	3.33E-06
292	488667.32, 3857959.41	2.99E-02	4.71E-06	1.85E-06	3.23E-02	5.09E-06	1.57E-05	5.21E-02	8.20E-06	3.22E-06
293	488717.32, 3857959.41	2.89E-02	4.56E-06	1.79E-06	3.13E-02	4.93E-06	1.52E-05	5.04E-02	7.93E-06	3.12E-06
294	488767.32, 3857959.41	2.80E-02	4.42E-06	1.73E-06	3.03E-02	4.78E-06	1.47E-05	4.88E-02	7.69E-06	3.02E-06
295	488417.32, 3858009.41	3.63E-02	5.73E-06	2.25E-06	3.93E-02	6.20E-06	1.91E-05	6.35E-02	1.00E-05	3.93E-06
296	488467.32, 3858009.41	3.49E-02	5.49E-06	2.16E-06	3.77E-02	5.94E-06	1.83E-05	6.09E-02	9.59E-06	3.77E-06
297	488517.32, 3858009.41	3.35E-02	5.28E-06	2.07E-06	3.63E-02	5.71E-06	1.76E-05	5.84E-02	9.21E-06	3.62E-06
298	488567.32, 3858009.41	3.23E-02	5.08E-06	2.00E-06	3.49E-02	5.50E-06	1.69E-05	5.62E-02	8.85E-06	3.48E-06
299	488617.32, 3858009.41	3.11E-02	4.90E-06	1.93E-06	3.37E-02	5.30E-06	1.63E-05	5.42E-02	8.54E-06	3.36E-06
300	488667.32, 3858009.41	3.01E-02	4.74E-06	1.86E-06	3.25E-02	5.12E-06	1.58E-05	5.24E-02	8.25E-06	3.24E-06
301	488717.32, 3858009.41	2.91E-02	4.58E-06	1.80E-06	3.14E-02	4.95E-06	1.52E-05	5.06E-02	7.97E-06	3.13E-06
302	488767.32, 3858009.41	2.81E-02	4.43E-06	1.74E-06	3.04E-02	4.79E-06	1.47E-05	4.89E-02	7.71E-06	3.03E-06
303	488417.32, 3858059.41	3.69E-02	5.81E-06	2.28E-06	3.99E-02	6.29E-06	1.94E-05	6.44E-02	1.01E-05	3.98E-06
304	488467.32, 3858059.41	3.53E-02	5.56E-06	2.18E-06	3.82E-02	6.01E-06	1.85E-05	6.15E-02	9.70E-06	3.81E-06
305	488517.32, 3858059.41	3.38E-02	5.33E-06	2.09E-06	3.66E-02	5.77E-06	1.78E-05	5.90E-02	9.29E-06	3.65E-06
306	488567.32, 3858059.41	3.25E-02	5.12E-06	2.01E-06	3.52E-02	5.54E-06	1.71E-05	5.66E-02	8.92E-06	3.50E-06
307	488617.32, 3858059.41	3.13E-02	4.92E-06	1.93E-06	3.38E-02	5.33E-06	1.64E-05	5.44E-02	8.57E-06	3.37E-06
308	488667.32, 3858059.41	3.01E-02	4.75E-06	1.87E-06	3.26E-02	5.14E-06	1.58E-05	5.25E-02	8.27E-06	3.25E-06
309	488417.32, 3858109.41	3.75E-02	5.91E-06	2.32E-06	4.06E-02	6.39E-06	1.97E-05	6.55E-02	1.03E-05	4.06E-06
310	488467.32, 3858109.41	3.57E-02	5.63E-06	2.21E-06	3.87E-02	6.09E-06	1.88E-05	6.24E-02	9.82E-06	3.86E-06
311	488517.32, 3858109.41	3.41E-02	5.38E-06	2.11E-06	3.69E-02	5.82E-06	1.79E-05	5.95E-02	9.37E-06	3.68E-06
312	488567.32, 3858109.41	3.27E-02	5.15E-06	2.02E-06	3.54E-02	5.57E-06	1.72E-05	5.69E-02	8.97E-06	3.52E-06
313	488617.32, 3858109.41	3.13E-02	4.94E-06	1.94E-06	3.39E-02	5.34E-06	1.64E-05	5.45E-02	8.59E-06	3.37E-06
314	488667.32, 3858109.41	3.02E-02	4.75E-06	1.87E-06	3.26E-02	5.14E-06	1.58E-05	5.25E-02	8.27E-06	3.25E-06
315	488769.93, 3858449.27	2.28E-02	3.58E-06	1.41E-06	2.45E-02	3.86E-06	1.19E-05	3.83E-02	6.04E-06	2.37E-06
316	488819.93, 3858449.27	2.19E-02	3.46E-06	1.36E-06	2.36E-02	3.72E-06	1.15E-05	3.70E-02	5.83E-06	2.29E-06

317	488819.93, 3858499.27	2.08E-02	3.28E-06	1.29E-06	2.24E-02	3.52E-06	1.09E-05	3.46E-02	5.44E-06	2.14E-06
318	488869.93, 3858499.27	2.01E-02	3.17E-06	1.25E-06	2.17E-02	3.41E-06	1.05E-05	3.35E-02	5.28E-06	2.07E-06
319	488869.93, 3858549.27	1.92E-02	3.02E-06	1.19E-06	2.06E-02	3.24E-06	9.98E-06	3.14E-02	4.94E-06	1.94E-06
320	489438.17, 3859571.48	4.45E-03	7.02E-07	2.76E-07	4.80E-03	7.56E-07	2.33E-06	7.52E-03	1.18E-06	4.65E-07
321	489488.17, 3859571.48	4.43E-03	6.98E-07	2.74E-07	4.77E-03	7.52E-07	2.32E-06	7.48E-03	1.18E-06	4.63E-07
322	489538.17, 3859571.48	4.41E-03	6.95E-07	2.73E-07	4.75E-03	7.48E-07	2.31E-06	7.45E-03	1.17E-06	4.61E-07
323	489588.17, 3859571.48	4.39E-03	6.91E-07	2.72E-07	4.73E-03	7.45E-07	2.29E-06	7.41E-03	1.17E-06	4.59E-07
324	489438.17, 3859621.48	4.30E-03	6.77E-07	2.66E-07	4.63E-03	7.30E-07	2.25E-06	7.26E-03	1.14E-06	4.50E-07
325	489488.17, 3859621.48	4.27E-03	6.73E-07	2.65E-07	4.61E-03	7.26E-07	2.23E-06	7.22E-03	1.14E-06	4.47E-07
326	489538.17, 3859621.48	4.25E-03	6.70E-07	2.63E-07	4.58E-03	7.22E-07	2.22E-06	7.18E-03	1.13E-06	4.45E-07
327	489588.17, 3859621.48	4.23E-03	6.67E-07	2.62E-07	4.56E-03	7.19E-07	2.21E-06	7.16E-03	1.13E-06	4.43E-07
328	489238.17, 3859671.48	4.23E-03	6.67E-07	2.62E-07	4.56E-03	7.19E-07	2.21E-06	7.16E-03	1.13E-06	4.43E-07
329	489288.17, 3859671.48	4.22E-03	6.64E-07	2.61E-07	4.55E-03	7.16E-07	2.21E-06	7.13E-03	1.12E-06	4.41E-07
330	489338.17, 3859671.48	4.20E-03	6.62E-07	2.60E-07	4.53E-03	7.13E-07	2.20E-06	7.10E-03	1.12E-06	4.39E-07
331	489388.17, 3859671.48	4.19E-03	6.59E-07	2.59E-07	4.51E-03	7.10E-07	2.19E-06	7.08E-03	1.11E-06	4.38E-07
332	489438.17, 3859671.48	4.16E-03	6.55E-07	2.57E-07	4.48E-03	7.06E-07	2.18E-06	7.03E-03	1.11E-06	4.35E-07
333	489488.17, 3859671.48	4.14E-03	6.52E-07	2.56E-07	4.46E-03	7.03E-07	2.16E-06	7.00E-03	1.10E-06	4.33E-07
334	489538.17, 3859671.48	4.12E-03	6.49E-07	2.55E-07	4.44E-03	6.99E-07	2.15E-06	6.97E-03	1.10E-06	4.31E-07
335	489588.17, 3859671.48	4.10E-03	6.45E-07	2.54E-07	4.42E-03	6.96E-07	2.14E-06	6.93E-03	1.09E-06	4.29E-07
336	489238.17, 3859721.48	4.09E-03	6.45E-07	2.53E-07	4.41E-03	6.95E-07	2.14E-06	6.92E-03	1.09E-06	4.28E-07
337	489288.17, 3859721.48	4.09E-03	6.44E-07	2.53E-07	4.40E-03	6.94E-07	2.14E-06	6.91E-03	1.09E-06	4.28E-07
338	489338.17, 3859721.48	4.07E-03	6.41E-07	2.52E-07	4.39E-03	6.91E-07	2.13E-06	6.89E-03	1.09E-06	4.26E-07
339	489388.17, 3859721.48	4.05E-03	6.39E-07	2.51E-07	4.37E-03	6.88E-07	2.12E-06	6.86E-03	1.08E-06	4.25E-07
340	489438.17, 3859721.48	4.03E-03	6.35E-07	2.50E-07	4.35E-03	6.85E-07	2.11E-06	6.82E-03	1.07E-06	4.22E-07
341	489488.17, 3859721.48	4.02E-03	6.33E-07	2.49E-07	4.33E-03	6.82E-07	2.10E-06	6.80E-03	1.07E-06	4.21E-07
342	489538.17, 3859721.48	3.99E-03	6.29E-07	2.47E-07	4.31E-03	6.78E-07	2.09E-06	6.76E-03	1.07E-06	4.19E-07
343	489588.17, 3859721.48	3.97E-03	6.26E-07	2.46E-07	4.28E-03	6.75E-07	2.08E-06	6.73E-03	1.06E-06	4.16E-07
344	489238.17, 3859771.48	3.96E-03	6.24E-07	2.45E-07	4.27E-03	6.72E-07	2.07E-06	6.70E-03	1.06E-06	4.15E-07
345	489288.17, 3859771.48	3.96E-03	6.23E-07	2.45E-07	4.26E-03	6.72E-07	2.07E-06	6.70E-03	1.05E-06	4.14E-07
346	489338.17, 3859771.48	3.94E-03	6.21E-07	2.44E-07	4.25E-03	6.69E-07	2.06E-06	6.67E-03	1.05E-06	4.13E-07
347	489388.17, 3859771.48	3.93E-03	6.19E-07	2.43E-07	4.24E-03	6.67E-07	2.06E-06	6.65E-03	1.05E-06	4.12E-07
348	489438.17, 3859771.48	3.91E-03	6.16E-07	2.42E-07	4.21E-03	6.64E-07	2.04E-06	6.62E-03	1.04E-06	4.10E-07
349	489488.17, 3859771.48	3.90E-03	6.14E-07	2.41E-07	4.20E-03	6.62E-07	2.04E-06	6.61E-03	1.04E-06	4.09E-07
350	489538.17, 3859771.48	3.88E-03	6.12E-07	2.40E-07	4.19E-03	6.59E-07	2.03E-06	6.58E-03	1.04E-06	4.07E-07
351	489588.17, 3859771.48	3.86E-03	6.08E-07	2.39E-07	4.16E-03	6.55E-07	2.02E-06	6.54E-03	1.03E-06	4.05E-07
352	489238.17, 3859821.48	3.83E-03	6.03E-07	2.37E-07	4.13E-03	6.50E-07	2.00E-06	6.48E-03	1.02E-06	4.01E-07
353	489288.17, 3859821.48	3.83E-03	6.03E-07	2.37E-07	4.13E-03	6.50E-07	2.00E-06	6.49E-03	1.02E-06	4.01E-07
354	489338.17, 3859821.48	3.82E-03	6.02E-07	2.36E-07	4.12E-03	6.49E-07	2.00E-06	6.47E-03	1.02E-06	4.01E-07
355	489388.17, 3859821.48	3.81E-03	6.00E-07	2.36E-07	4.11E-03	6.47E-07	1.99E-06	6.46E-03	1.02E-06	4.00E-07
356	489438.17, 3859821.48	3.80E-03	5.99E-07	2.35E-07	4.10E-03	6.46E-07	1.99E-06	6.45E-03	1.02E-06	3.99E-07
357	489488.17, 3859821.48	3.79E-03	5.97E-07	2.35E-07	4.09E-03	6.44E-07	1.98E-06	6.43E-03	1.01E-06	3.98E-07
358	489538.17, 3859821.48	3.78E-03	5.95E-07	2.34E-07	4.07E-03	6.41E-07	1.98E-06	6.40E-03	1.01E-06	3.96E-07
359	489588.17, 3859821.48	3.76E-03	5.92E-07	2.32E-07	4.05E-03	6.38E-07	1.96E-06	6.37E-03	1.00E-06	3.94E-07
360	489238.17, 3859871.48	3.71E-03	5.84E-07	2.29E-07	4.00E-03	6.30E-07	1.94E-06	6.28E-03	9.90E-07	3.89E-07
361	489288.17, 3859871.48	3.71E-03	5.84E-07	2.29E-07	4.00E-03	6.30E-07	1.94E-06	6.28E-03	9.90E-07	3.89E-07
362	489338.17, 3859871.48	3.70E-03	5.84E-07	2.29E-07	3.99E-03	6.29E-07	1.94E-06	6.28E-03	9.89E-07	3.89E-07
363	489388.17, 3859871.48	3.70E-03	5.83E-07	2.29E-07	3.99E-03	6.29E-07	1.94E-06	6.28E-03	9.89E-07	3.88E-07
364	489438.17, 3859871.48	3.70E-03	5.83E-07	2.29E-07	3.99E-03	6.28E-07	1.94E-06	6.28E-03	9.89E-07	3.88E-07
365	489488.17, 3859871.48	3.70E-03	5.82E-07	2.29E-07	3.99E-03	6.28E-07	1.93E-06	6.27E-03	9.88E-07	3.88E-07
366	489538.17, 3859871.48	3.68E-03	5.79E-07	2.28E-07	3.97E-03	6.25E-07	1.92E-06	6.24E-03	9.83E-07	3.86E-07
367	489588.17, 3859871.48	3.66E-03	5.77E-07	2.27E-07	3.95E-03	6.22E-07	1.92E-06	6.21E-03	9.79E-07	3.85E-07
368	489238.17, 3859921.48	3.59E-03	5.66E-07	2.22E-07	3.87E-03	6.10E-07	1.88E-06	6.09E-03	9.60E-07	3.77E-07
369	489288.17, 3859921.48	3.60E-03	5.67E-07	2.23E-07	3.88E-03	6.11E-07	1.88E-06	6.10E-03	9.62E-07	3.78E-07
370	489338.17, 3859921.48	3.60E-03	5.67E-07	2.23E-07	3.88E-03	6.11E-07	1.88E-06	6.10E-03	9.62E-07	3.78E-07
371	489388.17, 3859921.48	3.60E-03	5.67E-07	2.23E-07	3.88E-03	6.12E-07	1.88E-06	6.11E-03	9.63E-07	3.78E-07
372	489438.17, 3859921.48	3.61E-03	5.68E-07	2.23E-07	3.89E-03	6.12E-07	1.89E-06	6.12E-03	9.64E-07	3.79E-07
373	489488.17, 3859921.48	3.60E-03	5.67E-07	2.23E-07	3.88E-03	6.11E-07	1.88E-06	6.11E-03	9.62E-07	3.78E-07
374	489538.17, 3859921.48	3.59E-03	5.65E-07	2.22E-07	3.87E-03	6.09E-07	1.88E-06	6.09E-03	9.59E-07	3.77E-07
375	489588.17, 3859921.48	3.57E-03	5.63E-07	2.21E-07	3.85E-03	6.07E-07	1.87E-06	6.07E-03	9.56E-07	3.76E-07
376	489238.17, 3859971.48	3.49E-03	5.49E-07	2.16E-07	3.76E-03	5.92E-07	1.82E-06	5.91E-03	9.32E-07	3.66E-07
377	489288.17, 3859971.48	3.49E-03	5.50E-07	2.16E-07	3.76E-03	5.93E-07	1.83E-06	5.92E-03	9.33E-07	3.67E-07
378	489338.17, 3859971.48	3.50E-03	5.51E-07	2.16E-07	3.77E-03	5.94E-07	1.83E-06	5.93E-03	9.35E-07	3.67E-07
379	489388.17, 3859971.48	3.50E-03	5.52E-07	2.17E-07	3.78E-03	5.95E-07	1.83E-06	5.95E-03	9.37E-07	3.68E-07
380	489438.17, 3859971.48	3.51E-03	5.53E-07	2.17E-07	3.79E-03	5.97E-07	1.84E-06	5.97E-03	9.40E-07	3.69E-07

381	489488.17, 3859971.48	3.51E-03	5.54E-07	2.17E-07	3.79E-03	5.97E-07	1.84E-06	5.98E-03	9.41E-07	3.70E-07
382	489538.17, 3859971.48	3.51E-03	5.52E-07	2.17E-07	3.78E-03	5.96E-07	1.83E-06	5.97E-03	9.40E-07	3.69E-07
383	489588.17, 3859971.48	3.49E-03	5.51E-07	2.16E-07	3.77E-03	5.94E-07	1.83E-06	5.95E-03	9.37E-07	3.68E-07
384	483577.7, 3854071	1.45E-02	2.28E-06	8.97E-07	1.58E-02	2.48E-06	7.65E-06	2.64E-02	4.15E-06	1.63E-06
385	483627.7, 3854071	1.38E-02	2.17E-06	8.53E-07	1.50E-02	2.36E-06	7.27E-06	2.50E-02	3.94E-06	1.55E-06
386	483677.7, 3854071	1.31E-02	2.06E-06	8.09E-07	1.42E-02	2.24E-06	6.89E-06	2.37E-02	3.73E-06	1.46E-06
387	483727.7, 3854071	1.24E-02	1.95E-06	7.67E-07	1.35E-02	2.12E-06	6.54E-06	2.24E-02	3.53E-06	1.39E-06
388	483777.7, 3854071	1.16E-02	1.83E-06	7.17E-07	1.26E-02	1.98E-06	6.11E-06	2.09E-02	3.29E-06	1.29E-06
389	483577.7, 3854121	1.60E-02	2.53E-06	9.93E-07	1.75E-02	2.75E-06	8.47E-06	2.94E-02	4.62E-06	1.82E-06
390	483627.7, 3854121	1.50E-02	2.37E-06	9.31E-07	1.64E-02	2.58E-06	7.94E-06	2.75E-02	4.33E-06	1.70E-06
391	483677.7, 3854121	1.40E-02	2.21E-06	8.67E-07	1.52E-02	2.40E-06	7.39E-06	2.55E-02	4.01E-06	1.58E-06
392	483727.7, 3854121	1.30E-02	2.05E-06	8.05E-07	1.41E-02	2.23E-06	6.86E-06	2.36E-02	3.71E-06	1.46E-06
393	483777.7, 3854121	1.23E-02	1.93E-06	7.60E-07	1.33E-02	2.10E-06	6.48E-06	2.22E-02	3.50E-06	1.38E-06
394	483577.7, 3854171	1.72E-02	2.72E-06	1.07E-06	1.88E-02	2.96E-06	9.11E-06	3.17E-02	4.99E-06	1.96E-06
395	483627.7, 3854171	1.59E-02	2.50E-06	9.81E-07	1.73E-02	2.72E-06	8.37E-06	2.90E-02	4.57E-06	1.79E-06
396	483677.7, 3854171	1.48E-02	2.33E-06	9.14E-07	1.61E-02	2.53E-06	7.80E-06	2.69E-02	4.24E-06	1.67E-06
397	483727.7, 3854171	1.39E-02	2.19E-06	8.60E-07	1.51E-02	2.38E-06	7.33E-06	2.53E-02	3.98E-06	1.56E-06
398	483777.7, 3854171	1.30E-02	2.05E-06	8.05E-07	1.41E-02	2.23E-06	6.86E-06	2.36E-02	3.72E-06	1.46E-06
399	483827.7, 3854171	1.20E-02	1.88E-06	7.40E-07	1.30E-02	2.05E-06	6.31E-06	2.16E-02	3.41E-06	1.34E-06
400	483877.7, 3854171	1.13E-02	1.78E-06	7.01E-07	1.23E-02	1.94E-06	5.97E-06	2.05E-02	3.22E-06	1.27E-06
401	483727.7, 3854221	1.49E-02	2.35E-06	9.23E-07	1.62E-02	2.56E-06	7.87E-06	2.71E-02	4.28E-06	1.68E-06
402	483777.7, 3854221	1.39E-02	2.19E-06	8.60E-07	1.51E-02	2.38E-06	7.33E-06	2.52E-02	3.97E-06	1.56E-06
403	483827.7, 3854221	1.34E-02	2.10E-06	8.26E-07	1.45E-02	2.29E-06	7.04E-06	2.42E-02	3.81E-06	1.50E-06
404	483877.7, 3854221	1.24E-02	1.95E-06	7.68E-07	1.35E-02	2.12E-06	6.54E-06	2.24E-02	3.53E-06	1.39E-06
405	489150.19, 3858726.45	1.44E-02	2.26E-06	8.88E-07	1.53E-02	2.42E-06	7.45E-06	2.27E-02	3.57E-06	1.40E-06
406	489200.19, 3858726.45	1.40E-02	2.20E-06	8.63E-07	1.49E-02	2.35E-06	7.24E-06	2.22E-02	3.50E-06	1.37E-06
407	489150.19, 3858776.45	1.38E-02	2.18E-06	8.55E-07	1.47E-02	2.32E-06	7.16E-06	2.15E-02	3.39E-06	1.33E-06
408	489200.19, 3858776.45	1.34E-02	2.11E-06	8.27E-07	1.43E-02	2.25E-06	6.93E-06	2.10E-02	3.31E-06	1.30E-06
409	488919.6, 3856400.76	1.64E-02	2.58E-06	1.01E-06	1.77E-02	2.79E-06	8.59E-06	2.83E-02	4.46E-06	1.75E-06
410	488919.6, 3856450.76	1.68E-02	2.64E-06	1.04E-06	1.81E-02	2.85E-06	8.78E-06	2.89E-02	4.55E-06	1.79E-06
411	488969.6, 3856450.76	1.65E-02	2.60E-06	1.02E-06	1.78E-02	2.81E-06	8.66E-06	2.85E-02	4.49E-06	1.76E-06
412	488919.6, 3856500.76	1.71E-02	2.70E-06	1.06E-06	1.85E-02	2.91E-06	8.97E-06	2.95E-02	4.65E-06	1.83E-06
413	488969.6, 3856500.76	1.69E-02	2.66E-06	1.04E-06	1.82E-02	2.87E-06	8.85E-06	2.91E-02	4.59E-06	1.80E-06
414	488919.6, 3856550.76	1.75E-02	2.75E-06	1.08E-06	1.89E-02	2.98E-06	9.16E-06	3.02E-02	4.75E-06	1.87E-06
415	488969.6, 3856550.76	1.72E-02	2.72E-06	1.07E-06	1.86E-02	2.93E-06	9.03E-06	2.98E-02	4.69E-06	1.84E-06
416	488819.6, 3856600.76	1.84E-02	2.89E-06	1.14E-06	1.98E-02	3.13E-06	9.63E-06	3.17E-02	4.99E-06	1.96E-06
417	488869.6, 3856600.76	1.81E-02	2.85E-06	1.12E-06	1.95E-02	3.08E-06	9.49E-06	3.12E-02	4.92E-06	1.93E-06
418	488919.6, 3856600.76	1.78E-02	2.81E-06	1.10E-06	1.93E-02	3.04E-06	9.35E-06	3.08E-02	4.85E-06	1.91E-06
419	488819.6, 3856650.76	1.88E-02	2.95E-06	1.16E-06	2.03E-02	3.19E-06	9.83E-06	3.24E-02	5.10E-06	2.00E-06
420	488869.6, 3856650.76	1.85E-02	2.91E-06	1.14E-06	2.00E-02	3.14E-06	9.68E-06	3.19E-02	5.02E-06	1.97E-06
421	488819.6, 3856700.76	1.91E-02	3.02E-06	1.18E-06	2.07E-02	3.26E-06	1.00E-05	3.31E-02	5.21E-06	2.05E-06
422	488869.6, 3856700.76	1.88E-02	2.97E-06	1.17E-06	2.04E-02	3.21E-06	9.88E-06	3.26E-02	5.13E-06	2.01E-06
423	488819.6, 3856750.76	1.95E-02	3.08E-06	1.21E-06	2.11E-02	3.32E-06	1.02E-05	3.37E-02	5.32E-06	2.09E-06
424	488869.6, 3856750.76	1.92E-02	3.03E-06	1.19E-06	2.08E-02	3.27E-06	1.01E-05	3.32E-02	5.23E-06	2.06E-06
425	488819.6, 3857050.76	2.19E-02	3.46E-06	1.36E-06	2.37E-02	3.74E-06	1.15E-05	3.80E-02	5.99E-06	2.35E-06
426	488869.6, 3857050.76	2.16E-02	3.40E-06	1.33E-06	2.33E-02	3.67E-06	1.13E-05	3.73E-02	5.88E-06	2.31E-06
427	488919.6, 3857050.76	2.12E-02	3.34E-06	1.31E-06	2.29E-02	3.60E-06	1.11E-05	3.67E-02	5.78E-06	2.27E-06
428	488819.6, 3857100.76	2.23E-02	3.52E-06	1.38E-06	2.41E-02	3.80E-06	1.17E-05	3.87E-02	6.10E-06	2.40E-06
429	488869.6, 3857100.76	2.19E-02	3.45E-06	1.36E-06	2.37E-02	3.73E-06	1.15E-05	3.80E-02	5.99E-06	2.35E-06
430	488919.6, 3857100.76	2.15E-02	3.39E-06	1.33E-06	2.33E-02	3.66E-06	1.13E-05	3.73E-02	5.88E-06	2.31E-06
431	488819.6, 3857150.76	2.27E-02	3.58E-06	1.41E-06	2.46E-02	3.87E-06	1.19E-05	3.94E-02	6.20E-06	2.44E-06
432	488869.6, 3857150.76	2.23E-02	3.51E-06	1.38E-06	2.41E-02	3.80E-06	1.17E-05	3.86E-02	6.09E-06	2.39E-06
433	488919.6, 3857150.76	2.19E-02	3.45E-06	1.35E-06	2.36E-02	3.72E-06	1.15E-05	3.79E-02	5.97E-06	2.35E-06
434	488969.6, 3857150.76	2.15E-02	3.38E-06	1.33E-06	2.32E-02	3.66E-06	1.13E-05	3.72E-02	5.86E-06	2.30E-06
435	488819.6, 3857200.76	2.31E-02	3.64E-06	1.43E-06	2.50E-02	3.93E-06	1.21E-05	4.01E-02	6.31E-06	2.48E-06
436	488869.6, 3857200.76	2.27E-02	3.57E-06	1.40E-06	2.45E-02	3.86E-06	1.19E-05	3.93E-02	6.19E-06	2.43E-06
437	488919.6, 3857200.76	2.22E-02	3.50E-06	1.37E-06	2.40E-02	3.78E-06	1.17E-05	3.85E-02	6.07E-06	2.39E-06
438	488969.6, 3857200.76	2.18E-02	3.43E-06	1.35E-06	2.36E-02	3.71E-06	1.14E-05	3.78E-02	5.96E-06	2.34E-06
439	488819.6, 3857250.76	2.35E-02	3.70E-06	1.45E-06	2.54E-02	4.00E-06	1.23E-05	4.07E-02	6.42E-06	2.52E-06
440	488869.6, 3857250.76	2.30E-02	3.62E-06	1.42E-06	2.49E-02	3.92E-06	1.21E-05	3.99E-02	6.29E-06	2.47E-06
441	488919.6, 3857250.76	2.26E-02	3.55E-06	1.40E-06	2.44E-02	3.84E-06	1.18E-05	3.91E-02	6.17E-06	2.42E-06
442	488969.6, 3857250.76	2.21E-02	3.48E-06	1.37E-06	2.39E-02	3.77E-06	1.16E-05	3.84E-02	6.05E-06	2.38E-06
443	488819.6, 3857300.76	2.38E-02	3.76E-06	1.48E-06	2.58E-02	4.06E-06	1.25E-05	4.14E-02	6.52E-06	2.56E-06
444	488869.6, 3857300.76	2.34E-02	3.68E-06	1.45E-06	2.52E-02	3.98E-06	1.23E-05	4.05E-02	6.39E-06	2.51E-06

445	488919.6, 3857300.76	2.29E-02	3.60E-06	1.42E-06	2.47E-02	3.90E-06	1.20E-05	3.97E-02	6.26E-06	2.46E-06
446	488819.6, 3857450.76	2.49E-02	3.92E-06	1.54E-06	2.69E-02	4.24E-06	1.31E-05	4.32E-02	6.81E-06	2.68E-06
447	488869.6, 3857450.76	2.43E-02	3.83E-06	1.51E-06	2.63E-02	4.14E-06	1.28E-05	4.23E-02	6.66E-06	2.62E-06
448	488919.6, 3857450.76	2.38E-02	3.75E-06	1.47E-06	2.57E-02	4.05E-06	1.25E-05	4.13E-02	6.51E-06	2.56E-06
449	488819.6, 3857500.76	2.52E-02	3.97E-06	1.56E-06	2.73E-02	4.29E-06	1.32E-05	4.38E-02	6.90E-06	2.71E-06
450	488869.6, 3857500.76	2.46E-02	3.88E-06	1.52E-06	2.66E-02	4.19E-06	1.29E-05	4.28E-02	6.74E-06	2.65E-06
451	488919.6, 3857500.76	2.41E-02	3.79E-06	1.49E-06	2.60E-02	4.10E-06	1.26E-05	4.18E-02	6.59E-06	2.59E-06
452	488819.6, 3857550.76	2.55E-02	4.02E-06	1.58E-06	2.76E-02	4.35E-06	1.34E-05	4.44E-02	6.99E-06	2.75E-06
453	488869.6, 3857550.76	2.49E-02	3.92E-06	1.54E-06	2.69E-02	4.24E-06	1.31E-05	4.33E-02	6.82E-06	2.68E-06
454	488919.6, 3857550.76	2.43E-02	3.83E-06	1.51E-06	2.63E-02	4.14E-06	1.28E-05	4.23E-02	6.66E-06	2.62E-06
455	489663.71, 3860900.05	2.05E-03	3.23E-07	1.27E-07	2.21E-03	3.49E-07	1.07E-06	3.49E-03	5.50E-07	2.16E-07
456	489813.71, 3860900.05	2.07E-03	3.26E-07	1.28E-07	2.23E-03	3.52E-07	1.08E-06	3.52E-03	5.54E-07	2.18E-07
457	489863.71, 3860900.05	2.07E-03	3.27E-07	1.28E-07	2.24E-03	3.52E-07	1.08E-06	3.53E-03	5.55E-07	2.18E-07
458	489913.71, 3860900.05	2.08E-03	3.28E-07	1.29E-07	2.24E-03	3.54E-07	1.09E-06	3.54E-03	5.58E-07	2.19E-07
459	489963.71, 3860900.05	2.08E-03	3.28E-07	1.29E-07	2.25E-03	3.54E-07	1.09E-06	3.55E-03	5.59E-07	2.19E-07
460	490013.71, 3860900.05	2.09E-03	3.30E-07	1.30E-07	2.26E-03	3.56E-07	1.10E-06	3.56E-03	5.61E-07	2.20E-07
461	490063.71, 3860900.05	2.10E-03	3.31E-07	1.30E-07	2.26E-03	3.56E-07	1.10E-06	3.57E-03	5.63E-07	2.21E-07
462	489663.71, 3860950.05	2.00E-03	3.16E-07	1.24E-07	2.16E-03	3.40E-07	1.05E-06	3.41E-03	5.37E-07	2.11E-07
463	489813.71, 3860950.05	2.02E-03	3.18E-07	1.25E-07	2.18E-03	3.43E-07	1.06E-06	3.44E-03	5.41E-07	2.13E-07
464	489863.71, 3860950.05	2.02E-03	3.19E-07	1.25E-07	2.18E-03	3.44E-07	1.06E-06	3.44E-03	5.42E-07	2.13E-07
465	489913.71, 3860950.05	2.03E-03	3.20E-07	1.26E-07	2.19E-03	3.45E-07	1.06E-06	3.45E-03	5.44E-07	2.14E-07
466	489963.71, 3860950.05	2.03E-03	3.20E-07	1.26E-07	2.19E-03	3.46E-07	1.06E-06	3.46E-03	5.45E-07	2.14E-07
467	490013.71, 3860950.05	2.04E-03	3.21E-07	1.26E-07	2.20E-03	3.47E-07	1.07E-06	3.47E-03	5.47E-07	2.15E-07
468	490063.71, 3860950.05	2.05E-03	3.22E-07	1.27E-07	2.21E-03	3.48E-07	1.07E-06	3.48E-03	5.49E-07	2.16E-07
469	489513.71, 3861000.05	1.95E-03	3.07E-07	1.21E-07	2.10E-03	3.31E-07	1.02E-06	3.31E-03	5.21E-07	2.05E-07
470	489563.71, 3861000.05	1.95E-03	3.07E-07	1.21E-07	2.10E-03	3.31E-07	1.02E-06	3.31E-03	5.22E-07	2.05E-07
471	489613.71, 3861000.05	1.96E-03	3.08E-07	1.21E-07	2.11E-03	3.32E-07	1.02E-06	3.32E-03	5.23E-07	2.06E-07
472	489663.71, 3861000.05	1.96E-03	3.09E-07	1.21E-07	2.11E-03	3.33E-07	1.02E-06	3.33E-03	5.24E-07	2.06E-07
473	489713.71, 3861000.05	1.96E-03	3.09E-07	1.21E-07	2.12E-03	3.33E-07	1.03E-06	3.33E-03	5.25E-07	2.06E-07
474	489763.71, 3861000.05	1.97E-03	3.10E-07	1.22E-07	2.12E-03	3.34E-07	1.03E-06	3.34E-03	5.26E-07	2.07E-07
475	489813.71, 3861000.05	1.97E-03	3.11E-07	1.22E-07	2.13E-03	3.35E-07	1.03E-06	3.36E-03	5.29E-07	2.08E-07
476	489863.71, 3861000.05	1.98E-03	3.11E-07	1.22E-07	2.13E-03	3.36E-07	1.03E-06	3.36E-03	5.29E-07	2.08E-07
477	489913.71, 3861000.05	1.98E-03	3.12E-07	1.23E-07	2.14E-03	3.37E-07	1.04E-06	3.37E-03	5.31E-07	2.09E-07
478	489963.71, 3861000.05	1.98E-03	3.13E-07	1.23E-07	2.14E-03	3.37E-07	1.04E-06	3.38E-03	5.32E-07	2.09E-07
479	490013.71, 3861000.05	1.99E-03	3.14E-07	1.23E-07	2.15E-03	3.38E-07	1.04E-06	3.39E-03	5.34E-07	2.10E-07
480	490063.71, 3861000.05	2.00E-03	3.14E-07	1.24E-07	2.15E-03	3.39E-07	1.04E-06	3.40E-03	5.35E-07	2.10E-07
481	489513.71, 3861050.05	1.91E-03	3.00E-07	1.18E-07	2.06E-03	3.24E-07	9.98E-07	3.24E-03	5.10E-07	2.00E-07
482	489563.71, 3861050.05	1.91E-03	3.01E-07	1.18E-07	2.06E-03	3.24E-07	9.99E-07	3.24E-03	5.11E-07	2.01E-07
483	489613.71, 3861050.05	1.91E-03	3.02E-07	1.19E-07	2.06E-03	3.25E-07	1.00E-06	3.25E-03	5.12E-07	2.01E-07
484	489663.71, 3861050.05	1.92E-03	3.02E-07	1.19E-07	2.07E-03	3.25E-07	1.00E-06	3.25E-03	5.13E-07	2.01E-07
485	489713.71, 3861050.05	1.92E-03	3.02E-07	1.19E-07	2.07E-03	3.26E-07	1.00E-06	3.26E-03	5.13E-07	2.02E-07
486	489763.71, 3861050.05	1.92E-03	3.03E-07	1.19E-07	2.07E-03	3.26E-07	1.01E-06	3.27E-03	5.14E-07	2.02E-07
487	489813.71, 3861050.05	1.93E-03	3.03E-07	1.19E-07	2.08E-03	3.27E-07	1.01E-06	3.28E-03	5.16E-07	2.03E-07
488	489863.71, 3861050.05	1.93E-03	3.04E-07	1.19E-07	2.08E-03	3.28E-07	1.01E-06	3.28E-03	5.17E-07	2.03E-07
489	489913.71, 3861050.05	1.93E-03	3.05E-07	1.20E-07	2.09E-03	3.29E-07	1.01E-06	3.29E-03	5.18E-07	2.04E-07
490	489963.71, 3861050.05	1.94E-03	3.05E-07	1.20E-07	2.09E-03	3.29E-07	1.01E-06	3.30E-03	5.19E-07	2.04E-07
491	490013.71, 3861050.05	1.95E-03	3.07E-07	1.20E-07	2.10E-03	3.31E-07	1.02E-06	3.31E-03	5.22E-07	2.05E-07
492	490063.71, 3861050.05	1.95E-03	3.07E-07	1.21E-07	2.10E-03	3.31E-07	1.02E-06	3.32E-03	5.23E-07	2.05E-07
493	489513.71, 3861100.05	1.87E-03	2.95E-07	1.16E-07	2.02E-03	3.18E-07	9.78E-07	3.17E-03	5.00E-07	1.96E-07
494	489563.71, 3861100.05	1.87E-03	2.94E-07	1.16E-07	2.01E-03	3.17E-07	9.77E-07	3.17E-03	5.00E-07	1.96E-07
495	489613.71, 3861100.05	1.87E-03	2.94E-07	1.15E-07	2.01E-03	3.17E-07	9.76E-07	3.17E-03	4.99E-07	1.96E-07
496	489663.71, 3861100.05	1.87E-03	2.94E-07	1.16E-07	2.02E-03	3.17E-07	9.78E-07	3.17E-03	5.00E-07	1.96E-07
497	489713.71, 3861100.05	1.87E-03	2.95E-07	1.16E-07	2.02E-03	3.18E-07	9.80E-07	3.18E-03	5.01E-07	1.97E-07
498	489763.71, 3861100.05	1.88E-03	2.96E-07	1.16E-07	2.02E-03	3.19E-07	9.82E-07	3.19E-03	5.02E-07	1.97E-07
499	489813.71, 3861100.05	1.88E-03	2.96E-07	1.16E-07	2.03E-03	3.20E-07	9.84E-07	3.20E-03	5.04E-07	1.98E-07
500	489863.71, 3861100.05	1.89E-03	2.97E-07	1.17E-07	2.04E-03	3.21E-07	9.88E-07	3.21E-03	5.06E-07	1.99E-07
501	489913.71, 3861100.05	1.89E-03	2.98E-07	1.17E-07	2.04E-03	3.21E-07	9.89E-07	3.21E-03	5.06E-07	1.99E-07
502	489963.71, 3861100.05	1.89E-03	2.98E-07	1.17E-07	2.04E-03	3.22E-07	9.91E-07	3.22E-03	5.08E-07	1.99E-07
503	490013.71, 3861100.05	1.90E-03	2.99E-07	1.17E-07	2.05E-03	3.22E-07	9.93E-07	3.23E-03	5.09E-07	2.00E-07
504	490063.71, 3861100.05	1.90E-03	3.00E-07	1.18E-07	2.05E-03	3.23E-07	9.95E-07	3.24E-03	5.10E-07	2.00E-07
505	489713.71, 3861150.05	1.83E-03	2.88E-07	1.13E-07	1.97E-03	3.11E-07	9.58E-07	3.11E-03	4.90E-07	1.93E-07
506	489763.71, 3861150.05	1.83E-03	2.89E-07	1.14E-07	1.98E-03	3.12E-07	9.60E-07	3.12E-03	4.91E-07	1.93E-07
507	489813.71, 3861150.05	1.84E-03	2.90E-07	1.14E-07	1.98E-03	3.12E-07	9.62E-07	3.13E-03	4.93E-07	1.93E-07
508	489863.71, 3861150.05	1.84E-03	2.90E-07	1.14E-07	1.99E-03	3.13E-07	9.64E-07	3.13E-03	4.94E-07	1.94E-07

509	489913.71, 3861150.05	1.85E-03	2.91E-07	1.14E-07	1.99E-03	3.14E-07	9.66E-07	3.14E-03	4.95E-07	1.94E-07
510	489963.71, 3861150.05	1.85E-03	2.91E-07	1.14E-07	1.99E-03	3.14E-07	9.68E-07	3.15E-03	4.95E-07	1.95E-07
511	490013.71, 3861150.05	1.85E-03	2.92E-07	1.15E-07	2.00E-03	3.15E-07	9.69E-07	3.15E-03	4.96E-07	1.95E-07
512	490063.71, 3861150.05	1.86E-03	2.93E-07	1.15E-07	2.00E-03	3.16E-07	9.72E-07	3.16E-03	4.98E-07	1.96E-07
513	489613.71, 3861200.05	1.78E-03	2.81E-07	1.10E-07	1.92E-03	3.03E-07	9.33E-07	3.03E-03	4.77E-07	1.87E-07
514	489663.71, 3861200.05	1.79E-03	2.81E-07	1.11E-07	1.93E-03	3.04E-07	9.35E-07	3.04E-03	4.78E-07	1.88E-07
515	489713.71, 3861200.05	1.79E-03	2.82E-07	1.11E-07	1.93E-03	3.04E-07	9.37E-07	3.04E-03	4.79E-07	1.88E-07
516	489763.71, 3861200.05	1.79E-03	2.83E-07	1.11E-07	1.93E-03	3.05E-07	9.39E-07	3.05E-03	4.80E-07	1.89E-07
517	489813.71, 3861200.05	1.80E-03	2.83E-07	1.11E-07	1.94E-03	3.05E-07	9.41E-07	3.06E-03	4.82E-07	1.89E-07
518	489863.71, 3861200.05	1.80E-03	2.84E-07	1.12E-07	1.94E-03	3.06E-07	9.44E-07	3.07E-03	4.83E-07	1.90E-07
519	489913.71, 3861200.05	1.81E-03	2.85E-07	1.12E-07	1.95E-03	3.07E-07	9.45E-07	3.07E-03	4.84E-07	1.90E-07
520	489963.71, 3861200.05	1.81E-03	2.85E-07	1.12E-07	1.95E-03	3.07E-07	9.46E-07	3.08E-03	4.84E-07	1.90E-07
521	490013.71, 3861200.05	1.81E-03	2.85E-07	1.12E-07	1.95E-03	3.08E-07	9.48E-07	3.08E-03	4.86E-07	1.91E-07
522	490063.71, 3861200.05	1.82E-03	2.86E-07	1.12E-07	1.96E-03	3.08E-07	9.50E-07	3.09E-03	4.87E-07	1.91E-07
523	489513.71, 3861250.05	1.74E-03	2.74E-07	1.08E-07	1.87E-03	2.95E-07	9.09E-07	2.95E-03	4.65E-07	1.83E-07
524	489563.71, 3861250.05	1.74E-03	2.75E-07	1.08E-07	1.88E-03	2.96E-07	9.12E-07	2.96E-03	4.66E-07	1.83E-07
525	489613.71, 3861250.05	1.75E-03	2.75E-07	1.08E-07	1.88E-03	2.97E-07	9.14E-07	2.97E-03	4.67E-07	1.84E-07
526	489663.71, 3861250.05	1.75E-03	2.76E-07	1.08E-07	1.89E-03	2.97E-07	9.15E-07	2.97E-03	4.68E-07	1.84E-07
527	489713.71, 3861250.05	1.75E-03	2.76E-07	1.08E-07	1.89E-03	2.98E-07	9.17E-07	2.98E-03	4.69E-07	1.84E-07
528	489763.71, 3861250.05	1.76E-03	2.77E-07	1.09E-07	1.89E-03	2.98E-07	9.19E-07	2.98E-03	4.70E-07	1.85E-07
529	489813.71, 3861250.05	1.76E-03	2.77E-07	1.09E-07	1.90E-03	2.99E-07	9.21E-07	2.99E-03	4.71E-07	1.85E-07
530	489863.71, 3861250.05	1.76E-03	2.78E-07	1.09E-07	1.90E-03	2.99E-07	9.22E-07	3.00E-03	4.72E-07	1.85E-07
531	489913.71, 3861250.05	1.77E-03	2.78E-07	1.09E-07	1.91E-03	3.00E-07	9.25E-07	3.01E-03	4.73E-07	1.86E-07
532	489963.71, 3861250.05	1.77E-03	2.79E-07	1.10E-07	1.91E-03	3.01E-07	9.26E-07	3.01E-03	4.74E-07	1.86E-07
533	490013.71, 3861250.05	1.77E-03	2.79E-07	1.10E-07	1.91E-03	3.01E-07	9.28E-07	3.02E-03	4.75E-07	1.87E-07
534	490063.71, 3861250.05	1.78E-03	2.80E-07	1.10E-07	1.91E-03	3.02E-07	9.29E-07	3.02E-03	4.76E-07	1.87E-07
535	489528.13, 3861308.47	1.70E-03	2.67E-07	1.05E-07	1.83E-03	2.88E-07	8.88E-07	2.88E-03	4.54E-07	1.78E-07
536	489578.13, 3861308.47	1.70E-03	2.68E-07	1.05E-07	1.83E-03	2.89E-07	8.90E-07	2.89E-03	4.55E-07	1.79E-07
537	489628.13, 3861308.47	1.70E-03	2.68E-07	1.05E-07	1.84E-03	2.89E-07	8.91E-07	2.89E-03	4.56E-07	1.79E-07
538	489678.13, 3861308.47	1.71E-03	2.69E-07	1.06E-07	1.84E-03	2.90E-07	8.93E-07	2.90E-03	4.57E-07	1.80E-07
539	489728.13, 3861308.47	1.71E-03	2.70E-07	1.06E-07	1.85E-03	2.91E-07	8.95E-07	2.91E-03	4.58E-07	1.80E-07
540	489778.13, 3861308.47	1.71E-03	2.70E-07	1.06E-07	1.85E-03	2.91E-07	8.97E-07	2.91E-03	4.59E-07	1.80E-07
541	489678.13, 3861358.47	1.67E-03	2.63E-07	1.03E-07	1.80E-03	2.84E-07	8.75E-07	2.84E-03	4.47E-07	1.76E-07
542	489728.13, 3861358.47	1.68E-03	2.64E-07	1.04E-07	1.81E-03	2.85E-07	8.76E-07	2.85E-03	4.48E-07	1.76E-07
543	489528.13, 3861408.47	1.63E-03	2.56E-07	1.01E-07	1.76E-03	2.76E-07	8.52E-07	2.76E-03	4.35E-07	1.71E-07
544	489578.13, 3861408.47	1.63E-03	2.57E-07	1.01E-07	1.76E-03	2.77E-07	8.53E-07	2.77E-03	4.36E-07	1.71E-07
545	489628.13, 3861408.47	1.64E-03	2.58E-07	1.01E-07	1.77E-03	2.78E-07	8.56E-07	2.78E-03	4.38E-07	1.72E-07
546	489678.13, 3861408.47	1.64E-03	2.58E-07	1.01E-07	1.77E-03	2.78E-07	8.57E-07	2.78E-03	4.39E-07	1.72E-07
547	489728.13, 3861408.47	1.64E-03	2.58E-07	1.02E-07	1.77E-03	2.79E-07	8.58E-07	2.79E-03	4.39E-07	1.72E-07
548	489528.13, 3861458.47	1.60E-03	2.52E-07	9.88E-08	1.72E-03	2.71E-07	8.35E-07	2.71E-03	4.27E-07	1.68E-07
549	489578.13, 3861458.47	1.60E-03	2.52E-07	9.90E-08	1.73E-03	2.72E-07	8.37E-07	2.72E-03	4.28E-07	1.68E-07
550	489628.13, 3861458.47	1.60E-03	2.53E-07	9.92E-08	1.73E-03	2.72E-07	8.39E-07	2.72E-03	4.29E-07	1.68E-07
551	489678.13, 3861458.47	1.61E-03	2.53E-07	9.94E-08	1.73E-03	2.73E-07	8.40E-07	2.73E-03	4.30E-07	1.69E-07
552	489728.13, 3861458.47	1.61E-03	2.53E-07	9.94E-08	1.73E-03	2.73E-07	8.40E-07	2.73E-03	4.30E-07	1.69E-07
553	489528.13, 3861508.47	1.57E-03	2.47E-07	9.69E-08	1.69E-03	2.66E-07	8.19E-07	2.66E-03	4.19E-07	1.64E-07
554	489578.13, 3861508.47	1.57E-03	2.47E-07	9.71E-08	1.69E-03	2.66E-07	8.20E-07	2.66E-03	4.19E-07	1.65E-07
555	489628.13, 3861508.47	1.57E-03	2.47E-07	9.72E-08	1.69E-03	2.67E-07	8.22E-07	2.67E-03	4.20E-07	1.65E-07
556	489678.13, 3861508.47	1.57E-03	2.48E-07	9.73E-08	1.70E-03	2.67E-07	8.23E-07	2.67E-03	4.21E-07	1.65E-07
557	489728.13, 3861508.47	1.57E-03	2.48E-07	9.74E-08	1.70E-03	2.67E-07	8.23E-07	2.67E-03	4.21E-07	1.65E-07
558	489628.13, 3861558.47	1.54E-03	2.43E-07	9.54E-08	1.66E-03	2.62E-07	8.07E-07	2.62E-03	4.12E-07	1.62E-07
559	489678.13, 3861558.47	1.55E-03	2.43E-07	9.56E-08	1.67E-03	2.62E-07	8.08E-07	2.62E-03	4.13E-07	1.62E-07
560	489728.13, 3861558.47	1.55E-03	2.44E-07	9.57E-08	1.67E-03	2.63E-07	8.09E-07	2.63E-03	4.14E-07	1.63E-07
561	489357.08, 3861015.81	1.93E-03	3.03E-07	1.19E-07	2.08E-03	3.27E-07	1.01E-06	3.27E-03	5.15E-07	2.02E-07
562	489407.08, 3861015.81	1.93E-03	3.03E-07	1.19E-07	2.08E-03	3.27E-07	1.01E-06	3.27E-03	5.15E-07	2.02E-07
563	489457.08, 3861015.81	1.93E-03	3.04E-07	1.19E-07	2.08E-03	3.28E-07	1.01E-06	3.27E-03	5.16E-07	2.03E-07
564	489357.08, 3861065.81	1.88E-03	2.97E-07	1.17E-07	2.03E-03	3.20E-07	9.85E-07	3.20E-03	5.03E-07	1.98E-07
565	489407.08, 3861065.81	1.88E-03	2.97E-07	1.17E-07	2.03E-03	3.20E-07	9.86E-07	3.20E-03	5.04E-07	1.98E-07
566	489457.08, 3861065.81	1.89E-03	2.97E-07	1.17E-07	2.03E-03	3.20E-07	9.87E-07	3.20E-03	5.04E-07	1.98E-07
567	489357.08, 3861115.81	1.84E-03	2.90E-07	1.14E-07	1.99E-03	3.13E-07	9.64E-07	3.13E-03	4.93E-07	1.94E-07
568	489407.08, 3861115.81	1.85E-03	2.91E-07	1.14E-07	1.99E-03	3.14E-07	9.66E-07	3.13E-03	4.94E-07	1.94E-07
569	489457.08, 3861115.81	1.85E-03	2.91E-07	1.14E-07	1.99E-03	3.14E-07	9.67E-07	3.14E-03	4.94E-07	1.94E-07
570	489407.08, 3861165.81	1.81E-03	2.85E-07	1.12E-07	1.95E-03	3.07E-07	9.46E-07	3.07E-03	4.84E-07	1.90E-07
571	489457.08, 3861165.81	1.81E-03	2.85E-07	1.12E-07	1.95E-03	3.07E-07	9.47E-07	3.07E-03	4.84E-07	1.90E-07
572	489407.08, 3861215.81	1.76E-03	2.78E-07	1.09E-07	1.90E-03	3.00E-07	9.23E-07	2.99E-03	4.71E-07	1.85E-07

573	489457.08, 3861215.81	1.77E-03	2.78E-07	1.09E-07	1.90E-03	3.00E-07	9.24E-07	3.00E-03	4.72E-07	1.85E-07
574	489407.08, 3861265.81	1.72E-03	2.71E-07	1.06E-07	1.85E-03	2.92E-07	8.99E-07	2.92E-03	4.59E-07	1.81E-07
575	489457.08, 3861265.81	1.72E-03	2.71E-07	1.07E-07	1.86E-03	2.93E-07	9.01E-07	2.92E-03	4.61E-07	1.81E-07
576	489309.86, 3861110.14	1.84E-03	2.90E-07	1.14E-07	1.99E-03	3.13E-07	9.64E-07	3.13E-03	4.92E-07	1.93E-07
577	489407.08, 3861315.81	1.68E-03	2.65E-07	1.04E-07	1.81E-03	2.86E-07	8.81E-07	2.86E-03	4.50E-07	1.77E-07
578	489457.08, 3861315.81	1.69E-03	2.66E-07	1.04E-07	1.82E-03	2.87E-07	8.83E-07	2.86E-03	4.51E-07	1.77E-07
579	488906.03, 3861006.75	1.92E-03	3.03E-07	1.19E-07	2.07E-03	3.26E-07	1.01E-06	3.26E-03	5.13E-07	2.02E-07
580	488956.03, 3861006.75	1.93E-03	3.04E-07	1.19E-07	2.08E-03	3.28E-07	1.01E-06	3.27E-03	5.15E-07	2.02E-07
581	488904.24, 3861051.87	1.91E-03	3.01E-07	1.18E-07	2.06E-03	3.24E-07	9.98E-07	3.23E-03	5.10E-07	2.00E-07
582	488954.24, 3861051.87	1.90E-03	2.99E-07	1.18E-07	2.05E-03	3.23E-07	9.94E-07	3.22E-03	5.07E-07	1.99E-07
583	489004.24, 3861051.87	1.91E-03	3.01E-07	1.18E-07	2.06E-03	3.24E-07	9.99E-07	3.24E-03	5.10E-07	2.00E-07
584	488804.24, 3861101.87	1.85E-03	2.92E-07	1.15E-07	1.99E-03	3.14E-07	9.68E-07	3.13E-03	4.94E-07	1.94E-07
585	488854.24, 3861101.87	1.86E-03	2.93E-07	1.15E-07	2.00E-03	3.15E-07	9.71E-07	3.15E-03	4.96E-07	1.95E-07
586	488904.24, 3861101.87	1.84E-03	2.90E-07	1.14E-07	1.98E-03	3.12E-07	9.62E-07	3.12E-03	4.91E-07	1.93E-07
587	488954.24, 3861101.87	1.84E-03	2.89E-07	1.14E-07	1.98E-03	3.12E-07	9.61E-07	3.11E-03	4.90E-07	1.93E-07
588	489004.24, 3861101.87	1.84E-03	2.90E-07	1.14E-07	1.98E-03	3.12E-07	9.62E-07	3.12E-03	4.91E-07	1.93E-07
589	488804.24, 3861151.87	1.79E-03	2.81E-07	1.11E-07	1.93E-03	3.03E-07	9.34E-07	3.02E-03	4.76E-07	1.87E-07
590	488854.24, 3861151.87	1.78E-03	2.81E-07	1.10E-07	1.92E-03	3.03E-07	9.33E-07	3.02E-03	4.76E-07	1.87E-07
591	489129.49, 3861187.55	1.77E-03	2.78E-07	1.09E-07	1.90E-03	3.00E-07	9.24E-07	2.99E-03	4.72E-07	1.85E-07
592	489179.49, 3861187.55	1.77E-03	2.79E-07	1.09E-07	1.91E-03	3.00E-07	9.25E-07	3.00E-03	4.72E-07	1.85E-07
593	488804.24, 3861201.87	1.75E-03	2.76E-07	1.08E-07	1.89E-03	2.97E-07	9.15E-07	2.96E-03	4.67E-07	1.83E-07
594	488854.24, 3861201.87	1.74E-03	2.75E-07	1.08E-07	1.88E-03	2.96E-07	9.12E-07	2.95E-03	4.65E-07	1.83E-07
595	489129.49, 3861237.55	1.73E-03	2.73E-07	1.07E-07	1.87E-03	2.94E-07	9.07E-07	2.94E-03	4.63E-07	1.82E-07
596	489179.49, 3861237.55	1.73E-03	2.73E-07	1.07E-07	1.87E-03	2.94E-07	9.05E-07	2.93E-03	4.62E-07	1.82E-07
597	488804.24, 3861251.87	1.71E-03	2.70E-07	1.06E-07	1.85E-03	2.91E-07	8.97E-07	2.90E-03	4.57E-07	1.80E-07
598	488854.24, 3861251.87	1.71E-03	2.69E-07	1.06E-07	1.84E-03	2.90E-07	8.93E-07	2.89E-03	4.56E-07	1.79E-07
599	488804.24, 3861301.87	1.68E-03	2.64E-07	1.04E-07	1.81E-03	2.85E-07	8.77E-07	2.84E-03	4.47E-07	1.76E-07
600	488854.24, 3861301.87	1.67E-03	2.64E-07	1.04E-07	1.80E-03	2.84E-07	8.75E-07	2.83E-03	4.47E-07	1.75E-07
601	490943.5, 3860181.97	2.81E-03	4.43E-07	1.74E-07	3.03E-03	4.78E-07	1.47E-06	4.79E-03	7.54E-07	2.96E-07
602	490993.5, 3860181.97	2.82E-03	4.44E-07	1.74E-07	3.04E-03	4.79E-07	1.48E-06	4.80E-03	7.56E-07	2.97E-07
603	491043.5, 3860181.97	2.83E-03	4.45E-07	1.75E-07	3.05E-03	4.80E-07	1.48E-06	4.81E-03	7.58E-07	2.98E-07
604	491093.5, 3860181.97	2.83E-03	4.46E-07	1.75E-07	3.06E-03	4.81E-07	1.48E-06	4.82E-03	7.60E-07	2.98E-07
605	490943.5, 3860231.97	2.72E-03	4.28E-07	1.68E-07	2.93E-03	4.62E-07	1.42E-06	4.62E-03	7.28E-07	2.86E-07
606	490993.5, 3860231.97	2.73E-03	4.30E-07	1.69E-07	2.94E-03	4.64E-07	1.43E-06	4.64E-03	7.32E-07	2.87E-07
607	491043.5, 3860231.97	2.73E-03	4.30E-07	1.69E-07	2.95E-03	4.64E-07	1.43E-06	4.65E-03	7.32E-07	2.88E-07
608	491093.5, 3860231.97	2.73E-03	4.31E-07	1.69E-07	2.95E-03	4.65E-07	1.43E-06	4.66E-03	7.33E-07	2.88E-07
609	490943.5, 3860281.97	2.63E-03	4.14E-07	1.63E-07	2.84E-03	4.47E-07	1.38E-06	4.48E-03	7.05E-07	2.77E-07
610	490993.5, 3860281.97	2.64E-03	4.15E-07	1.63E-07	2.84E-03	4.48E-07	1.38E-06	4.49E-03	7.07E-07	2.78E-07
611	491043.5, 3860281.97	2.64E-03	4.16E-07	1.63E-07	2.85E-03	4.49E-07	1.38E-06	4.50E-03	7.08E-07	2.78E-07
612	491093.5, 3860281.97	2.64E-03	4.17E-07	1.64E-07	2.85E-03	4.49E-07	1.38E-06	4.50E-03	7.09E-07	2.79E-07
613	490943.5, 3860331.97	2.55E-03	4.01E-07	1.58E-07	2.75E-03	4.33E-07	1.33E-06	4.34E-03	6.84E-07	2.69E-07
614	490993.5, 3860331.97	2.55E-03	4.02E-07	1.58E-07	2.75E-03	4.33E-07	1.33E-06	4.34E-03	6.84E-07	2.69E-07
615	491043.5, 3860331.97	2.55E-03	4.02E-07	1.58E-07	2.75E-03	4.34E-07	1.34E-06	4.35E-03	6.85E-07	2.69E-07
616	491093.5, 3860331.97	2.56E-03	4.03E-07	1.58E-07	2.76E-03	4.34E-07	1.34E-06	4.35E-03	6.86E-07	2.69E-07
617	490086.72, 3859935.12	3.32E-03	5.22E-07	2.05E-07	3.58E-03	5.63E-07	1.73E-06	5.63E-03	8.87E-07	3.49E-07
618	490136.72, 3859935.12	3.30E-03	5.21E-07	2.04E-07	3.56E-03	5.61E-07	1.73E-06	5.61E-03	8.84E-07	3.47E-07
619	490186.72, 3859935.12	3.30E-03	5.19E-07	2.04E-07	3.55E-03	5.60E-07	1.72E-06	5.60E-03	8.82E-07	3.46E-07
620	490236.72, 3859935.12	3.29E-03	5.18E-07	2.04E-07	3.55E-03	5.59E-07	1.72E-06	5.59E-03	8.81E-07	3.46E-07
621	490286.72, 3859935.12	3.29E-03	5.18E-07	2.03E-07	3.54E-03	5.58E-07	1.72E-06	5.58E-03	8.80E-07	3.46E-07
622	490336.72, 3859935.12	3.29E-03	5.18E-07	2.03E-07	3.54E-03	5.58E-07	1.72E-06	5.58E-03	8.79E-07	3.46E-07
623	490386.72, 3859935.12	3.29E-03	5.18E-07	2.04E-07	3.55E-03	5.59E-07	1.72E-06	5.59E-03	8.80E-07	3.46E-07
624	490436.72, 3859935.12	3.30E-03	5.19E-07	2.04E-07	3.55E-03	5.60E-07	1.72E-06	5.60E-03	8.82E-07	3.46E-07
625	490486.72, 3859935.12	3.30E-03	5.21E-07	2.04E-07	3.56E-03	5.61E-07	1.73E-06	5.61E-03	8.84E-07	3.47E-07
626	490536.72, 3859935.12	3.32E-03	5.23E-07	2.06E-07	3.58E-03	5.64E-07	1.74E-06	5.64E-03	8.89E-07	3.49E-07
627	490586.72, 3859935.12	3.34E-03	5.27E-07	2.07E-07	3.60E-03	5.68E-07	1.75E-06	5.68E-03	8.95E-07	3.51E-07
628	490636.72, 3859935.12	3.36E-03	5.29E-07	2.08E-07	3.62E-03	5.70E-07	1.76E-06	5.70E-03	8.99E-07	3.53E-07
629	490686.72, 3859935.12	3.38E-03	5.33E-07	2.09E-07	3.65E-03	5.75E-07	1.77E-06	5.75E-03	9.06E-07	3.56E-07
630	490736.72, 3859935.12	3.40E-03	5.36E-07	2.10E-07	3.67E-03	5.78E-07	1.78E-06	5.78E-03	9.11E-07	3.58E-07
631	490086.72, 3859985.12	3.22E-03	5.08E-07	2.00E-07	3.48E-03	5.48E-07	1.69E-06	5.48E-03	8.63E-07	3.39E-07
632	490136.72, 3859985.12	3.21E-03	5.05E-07	1.99E-07	3.46E-03	5.45E-07	1.68E-06	5.45E-03	8.59E-07	3.37E-07
633	490186.72, 3859985.12	3.20E-03	5.04E-07	1.98E-07	3.45E-03	5.43E-07	1.67E-06	5.43E-03	8.56E-07	3.36E-07
634	490236.72, 3859985.12	3.19E-03	5.03E-07	1.97E-07	3.44E-03	5.42E-07	1.67E-06	5.42E-03	8.54E-07	3.36E-07
635	490286.72, 3859985.12	3.18E-03	5.02E-07	1.97E-07	3.43E-03	5.41E-07	1.67E-06	5.41E-03	8.52E-07	3.35E-07
636	490336.72, 3859985.12	3.18E-03	5.01E-07	1.97E-07	3.43E-03	5.40E-07	1.66E-06	5.40E-03	8.51E-07	3.34E-07

637	490386.72, 3859985.12	3.17E-03	5.00E-07	1.96E-07	3.42E-03	5.39E-07	1.66E-06	5.39E-03	8.50E-07	3.34E-07
638	490436.72, 3859985.12	3.17E-03	5.00E-07	1.96E-07	3.42E-03	5.39E-07	1.66E-06	5.40E-03	8.50E-07	3.34E-07
639	490486.72, 3859985.12	3.18E-03	5.01E-07	1.97E-07	3.43E-03	5.40E-07	1.66E-06	5.40E-03	8.51E-07	3.34E-07
640	490536.72, 3859985.12	3.19E-03	5.03E-07	1.97E-07	3.44E-03	5.42E-07	1.67E-06	5.42E-03	8.54E-07	3.35E-07
641	490586.72, 3859985.12	3.21E-03	5.05E-07	1.98E-07	3.46E-03	5.44E-07	1.68E-06	5.45E-03	8.58E-07	3.37E-07
642	490636.72, 3859985.12	3.22E-03	5.08E-07	1.99E-07	3.48E-03	5.47E-07	1.69E-06	5.48E-03	8.63E-07	3.39E-07
643	490686.72, 3859985.12	3.25E-03	5.12E-07	2.01E-07	3.50E-03	5.52E-07	1.70E-06	5.52E-03	8.70E-07	3.42E-07
644	490736.72, 3859985.12	3.26E-03	5.14E-07	2.02E-07	3.52E-03	5.54E-07	1.71E-06	5.54E-03	8.73E-07	3.43E-07
645	490786.72, 3859985.12	3.27E-03	5.16E-07	2.03E-07	3.53E-03	5.56E-07	1.71E-06	5.57E-03	8.77E-07	3.44E-07
646	490086.72, 3860035.12	3.14E-03	4.95E-07	1.95E-07	3.39E-03	5.34E-07	1.64E-06	5.34E-03	8.42E-07	3.31E-07
647	490136.72, 3860035.12	3.12E-03	4.92E-07	1.93E-07	3.37E-03	5.31E-07	1.63E-06	5.31E-03	8.37E-07	3.29E-07
648	490186.72, 3860035.12	3.11E-03	4.90E-07	1.92E-07	3.35E-03	5.28E-07	1.63E-06	5.29E-03	8.33E-07	3.27E-07
649	490236.72, 3860035.12	3.10E-03	4.88E-07	1.92E-07	3.34E-03	5.26E-07	1.62E-06	5.27E-03	8.29E-07	3.26E-07
650	490286.72, 3860035.12	3.09E-03	4.86E-07	1.91E-07	3.33E-03	5.24E-07	1.61E-06	5.25E-03	8.26E-07	3.25E-07
651	490336.72, 3860035.12	3.08E-03	4.85E-07	1.91E-07	3.32E-03	5.23E-07	1.61E-06	5.24E-03	8.25E-07	3.24E-07
652	490386.72, 3860035.12	3.07E-03	4.84E-07	1.90E-07	3.31E-03	5.22E-07	1.61E-06	5.22E-03	8.23E-07	3.23E-07
653	490436.72, 3860035.12	3.07E-03	4.83E-07	1.90E-07	3.31E-03	5.21E-07	1.61E-06	5.22E-03	8.22E-07	3.23E-07
654	490486.72, 3860035.12	3.07E-03	4.83E-07	1.90E-07	3.31E-03	5.21E-07	1.61E-06	5.22E-03	8.22E-07	3.23E-07
655	490536.72, 3860035.12	3.07E-03	4.84E-07	1.90E-07	3.31E-03	5.22E-07	1.61E-06	5.23E-03	8.23E-07	3.23E-07
656	490586.72, 3860035.12	3.08E-03	4.85E-07	1.91E-07	3.32E-03	5.23E-07	1.61E-06	5.24E-03	8.25E-07	3.24E-07
657	490636.72, 3860035.12	3.09E-03	4.86E-07	1.91E-07	3.33E-03	5.25E-07	1.62E-06	5.25E-03	8.27E-07	3.25E-07
658	490686.72, 3860035.12	3.10E-03	4.89E-07	1.92E-07	3.35E-03	5.27E-07	1.62E-06	5.28E-03	8.31E-07	3.27E-07
659	490736.72, 3860035.12	3.13E-03	4.93E-07	1.94E-07	3.37E-03	5.31E-07	1.64E-06	5.32E-03	8.38E-07	3.29E-07
660	490786.72, 3860035.12	3.14E-03	4.95E-07	1.94E-07	3.39E-03	5.33E-07	1.64E-06	5.34E-03	8.41E-07	3.30E-07
661	490836.72, 3860035.12	3.15E-03	4.96E-07	1.95E-07	3.40E-03	5.35E-07	1.65E-06	5.36E-03	8.44E-07	3.32E-07
662	490086.72, 3860085.12	3.08E-03	4.85E-07	1.90E-07	3.32E-03	5.23E-07	1.61E-06	5.23E-03	8.24E-07	3.24E-07
663	490136.72, 3860085.12	3.05E-03	4.80E-07	1.89E-07	3.29E-03	5.18E-07	1.59E-06	5.18E-03	8.16E-07	3.21E-07
664	490186.72, 3860085.12	3.03E-03	4.78E-07	1.88E-07	3.27E-03	5.15E-07	1.59E-06	5.16E-03	8.13E-07	3.19E-07
665	490236.72, 3860085.12	3.02E-03	4.75E-07	1.87E-07	3.25E-03	5.12E-07	1.58E-06	5.13E-03	8.08E-07	3.18E-07
666	490286.72, 3860085.12	3.00E-03	4.73E-07	1.86E-07	3.24E-03	5.10E-07	1.57E-06	5.11E-03	8.05E-07	3.16E-07
667	490336.72, 3860085.12	2.99E-03	4.71E-07	1.85E-07	3.22E-03	5.08E-07	1.56E-06	5.09E-03	8.01E-07	3.15E-07
668	490386.72, 3860085.12	2.98E-03	4.69E-07	1.84E-07	3.21E-03	5.06E-07	1.56E-06	5.07E-03	7.98E-07	3.14E-07
669	490436.72, 3860085.12	2.97E-03	4.68E-07	1.84E-07	3.21E-03	5.05E-07	1.56E-06	5.06E-03	7.97E-07	3.13E-07
670	490486.72, 3860085.12	2.97E-03	4.67E-07	1.84E-07	3.20E-03	5.04E-07	1.55E-06	5.05E-03	7.95E-07	3.12E-07
671	490536.72, 3860085.12	2.97E-03	4.68E-07	1.84E-07	3.20E-03	5.04E-07	1.55E-06	5.05E-03	7.95E-07	3.12E-07
672	490586.72, 3860085.12	2.97E-03	4.68E-07	1.84E-07	3.21E-03	5.05E-07	1.56E-06	5.06E-03	7.96E-07	3.13E-07
673	490636.72, 3860085.12	2.98E-03	4.69E-07	1.84E-07	3.21E-03	5.06E-07	1.56E-06	5.06E-03	7.97E-07	3.13E-07
674	490686.72, 3860085.12	2.99E-03	4.70E-07	1.85E-07	3.22E-03	5.07E-07	1.56E-06	5.08E-03	8.00E-07	3.14E-07
675	490736.72, 3860085.12	3.00E-03	4.72E-07	1.86E-07	3.23E-03	5.10E-07	1.57E-06	5.10E-03	8.04E-07	3.16E-07
676	490786.72, 3860085.12	3.01E-03	4.75E-07	1.87E-07	3.25E-03	5.12E-07	1.58E-06	5.13E-03	8.08E-07	3.17E-07
677	490836.72, 3860085.12	3.02E-03	4.76E-07	1.87E-07	3.26E-03	5.14E-07	1.58E-06	5.14E-03	8.10E-07	3.18E-07
678	490086.72, 3860135.12	2.99E-03	4.72E-07	1.85E-07	3.23E-03	5.09E-07	1.57E-06	5.09E-03	8.02E-07	3.15E-07
679	490136.72, 3860135.12	2.98E-03	4.69E-07	1.84E-07	3.21E-03	5.06E-07	1.56E-06	5.06E-03	7.97E-07	3.13E-07
680	490186.72, 3860135.12	2.96E-03	4.66E-07	1.83E-07	3.19E-03	5.03E-07	1.55E-06	5.03E-03	7.93E-07	3.12E-07
681	490236.72, 3860135.12	2.94E-03	4.63E-07	1.82E-07	3.17E-03	5.00E-07	1.54E-06	5.00E-03	7.88E-07	3.10E-07
682	490286.72, 3860135.12	2.93E-03	4.61E-07	1.81E-07	3.15E-03	4.97E-07	1.53E-06	4.98E-03	7.84E-07	3.08E-07
683	490336.72, 3860135.12	2.91E-03	4.59E-07	1.80E-07	3.14E-03	4.95E-07	1.52E-06	4.95E-03	7.80E-07	3.07E-07
684	490386.72, 3860135.12	2.90E-03	4.57E-07	1.79E-07	3.13E-03	4.92E-07	1.52E-06	4.93E-03	7.77E-07	3.05E-07
685	490436.72, 3860135.12	2.89E-03	4.55E-07	1.79E-07	3.11E-03	4.90E-07	1.51E-06	4.91E-03	7.74E-07	3.04E-07
686	490486.72, 3860135.12	2.88E-03	4.54E-07	1.78E-07	3.11E-03	4.89E-07	1.51E-06	4.90E-03	7.72E-07	3.03E-07
687	490536.72, 3860135.12	2.88E-03	4.53E-07	1.78E-07	3.10E-03	4.89E-07	1.51E-06	4.89E-03	7.71E-07	3.03E-07
688	490586.72, 3860135.12	2.88E-03	4.53E-07	1.78E-07	3.10E-03	4.88E-07	1.50E-06	4.89E-03	7.71E-07	3.03E-07
689	490636.72, 3860135.12	2.88E-03	4.53E-07	1.78E-07	3.10E-03	4.89E-07	1.50E-06	4.89E-03	7.71E-07	3.03E-07
690	490686.72, 3860135.12	2.88E-03	4.53E-07	1.78E-07	3.10E-03	4.89E-07	1.51E-06	4.90E-03	7.71E-07	3.03E-07
691	490736.72, 3860135.12	2.89E-03	4.55E-07	1.79E-07	3.11E-03	4.90E-07	1.51E-06	4.91E-03	7.73E-07	3.04E-07
692	490786.72, 3860135.12	2.90E-03	4.56E-07	1.79E-07	3.12E-03	4.92E-07	1.52E-06	4.93E-03	7.77E-07	3.05E-07
693	490836.72, 3860135.12	2.90E-03	4.58E-07	1.80E-07	3.13E-03	4.94E-07	1.52E-06	4.94E-03	7.79E-07	3.06E-07
694	490086.72, 3860185.12	2.92E-03	4.61E-07	1.81E-07	3.15E-03	4.97E-07	1.53E-06	4.97E-03	7.83E-07	3.08E-07
695	490136.72, 3860185.12	2.91E-03	4.58E-07	1.80E-07	3.14E-03	4.94E-07	1.52E-06	4.95E-03	7.80E-07	3.06E-07
696	490186.72, 3860185.12	2.89E-03	4.56E-07	1.79E-07	3.12E-03	4.91E-07	1.51E-06	4.92E-03	7.75E-07	3.05E-07
697	490236.72, 3860185.12	2.87E-03	4.53E-07	1.78E-07	3.10E-03	4.88E-07	1.50E-06	4.89E-03	7.70E-07	3.03E-07
698	490286.72, 3860185.12	2.86E-03	4.50E-07	1.77E-07	3.08E-03	4.85E-07	1.49E-06	4.86E-03	7.65E-07	3.01E-07
699	490336.72, 3860185.12	2.84E-03	4.47E-07	1.76E-07	3.06E-03	4.82E-07	1.49E-06	4.83E-03	7.61E-07	2.99E-07
700	490386.72, 3860185.12	2.82E-03	4.45E-07	1.75E-07	3.05E-03	4.80E-07	1.48E-06	4.81E-03	7.57E-07	2.97E-07

701	490436.72, 3860185.12	2.81E-03	4.43E-07	1.74E-07	3.03E-03	4.78E-07	1.47E-06	4.78E-03	7.54E-07	2.96E-07
702	490486.72, 3860185.12	2.80E-03	4.41E-07	1.73E-07	3.02E-03	4.76E-07	1.47E-06	4.77E-03	7.51E-07	2.95E-07
703	490536.72, 3860185.12	2.79E-03	4.40E-07	1.73E-07	3.01E-03	4.75E-07	1.46E-06	4.75E-03	7.49E-07	2.94E-07
704	490586.72, 3860185.12	2.79E-03	4.40E-07	1.73E-07	3.01E-03	4.74E-07	1.46E-06	4.75E-03	7.48E-07	2.94E-07
705	490636.72, 3860185.12	2.79E-03	4.39E-07	1.72E-07	3.00E-03	4.73E-07	1.46E-06	4.74E-03	7.47E-07	2.93E-07
706	490686.72, 3860185.12	2.79E-03	4.39E-07	1.72E-07	3.01E-03	4.73E-07	1.46E-06	4.74E-03	7.47E-07	2.94E-07
707	490736.72, 3860185.12	2.79E-03	4.39E-07	1.72E-07	3.01E-03	4.73E-07	1.46E-06	4.74E-03	7.47E-07	2.93E-07
708	490786.72, 3860185.12	2.79E-03	4.40E-07	1.73E-07	3.01E-03	4.74E-07	1.46E-06	4.75E-03	7.49E-07	2.94E-07
709	490836.72, 3860185.12	2.80E-03	4.41E-07	1.73E-07	3.02E-03	4.75E-07	1.46E-06	4.76E-03	7.50E-07	2.95E-07
710	490086.72, 3860235.12	2.86E-03	4.51E-07	1.77E-07	3.08E-03	4.86E-07	1.50E-06	4.87E-03	7.67E-07	3.01E-07
711	490136.72, 3860235.12	2.84E-03	4.48E-07	1.76E-07	3.07E-03	4.83E-07	1.49E-06	4.84E-03	7.62E-07	3.00E-07
712	490186.72, 3860235.12	2.83E-03	4.45E-07	1.75E-07	3.05E-03	4.80E-07	1.48E-06	4.81E-03	7.58E-07	2.98E-07
713	490236.72, 3860235.12	2.81E-03	4.43E-07	1.74E-07	3.03E-03	4.77E-07	1.47E-06	4.78E-03	7.53E-07	2.96E-07
714	490286.72, 3860235.12	2.79E-03	4.40E-07	1.73E-07	3.01E-03	4.74E-07	1.46E-06	4.75E-03	7.48E-07	2.94E-07
715	490336.72, 3860235.12	2.77E-03	4.37E-07	1.72E-07	2.99E-03	4.71E-07	1.45E-06	4.72E-03	7.44E-07	2.92E-07
716	490386.72, 3860235.12	2.76E-03	4.34E-07	1.71E-07	2.97E-03	4.69E-07	1.44E-06	4.69E-03	7.39E-07	2.91E-07
717	490436.72, 3860235.12	2.74E-03	4.32E-07	1.70E-07	2.96E-03	4.66E-07	1.44E-06	4.67E-03	7.36E-07	2.89E-07
718	490486.72, 3860235.12	2.73E-03	4.30E-07	1.69E-07	2.94E-03	4.64E-07	1.43E-06	4.65E-03	7.32E-07	2.88E-07
719	490536.72, 3860235.12	2.72E-03	4.29E-07	1.68E-07	2.93E-03	4.62E-07	1.42E-06	4.63E-03	7.29E-07	2.87E-07
720	490586.72, 3860235.12	2.71E-03	4.27E-07	1.68E-07	2.93E-03	4.61E-07	1.42E-06	4.62E-03	7.28E-07	2.86E-07
721	490636.72, 3860235.12	2.71E-03	4.26E-07	1.68E-07	2.92E-03	4.60E-07	1.42E-06	4.61E-03	7.26E-07	2.85E-07
722	490686.72, 3860235.12	2.70E-03	4.26E-07	1.67E-07	2.92E-03	4.59E-07	1.42E-06	4.60E-03	7.25E-07	2.85E-07
723	490736.72, 3860235.12	2.70E-03	4.26E-07	1.67E-07	2.91E-03	4.59E-07	1.41E-06	4.60E-03	7.25E-07	2.85E-07
724	490786.72, 3860235.12	2.70E-03	4.26E-07	1.67E-07	2.91E-03	4.59E-07	1.41E-06	4.60E-03	7.25E-07	2.85E-07
725	490086.72, 3860285.12	2.80E-03	4.41E-07	1.73E-07	3.02E-03	4.75E-07	1.46E-06	4.76E-03	7.50E-07	2.95E-07
726	490136.72, 3860285.12	2.78E-03	4.39E-07	1.72E-07	3.00E-03	4.73E-07	1.46E-06	4.74E-03	7.46E-07	2.93E-07
727	490186.72, 3860285.12	2.77E-03	4.36E-07	1.71E-07	2.98E-03	4.70E-07	1.45E-06	4.71E-03	7.42E-07	2.91E-07
728	490236.72, 3860285.12	2.75E-03	4.33E-07	1.70E-07	2.97E-03	4.67E-07	1.44E-06	4.68E-03	7.38E-07	2.90E-07
729	490286.72, 3860285.12	2.73E-03	4.30E-07	1.69E-07	2.95E-03	4.64E-07	1.43E-06	4.65E-03	7.32E-07	2.88E-07
730	490336.72, 3860285.12	2.71E-03	4.27E-07	1.68E-07	2.93E-03	4.61E-07	1.42E-06	4.62E-03	7.28E-07	2.86E-07
731	490386.72, 3860285.12	2.70E-03	4.25E-07	1.67E-07	2.91E-03	4.58E-07	1.41E-06	4.59E-03	7.23E-07	2.84E-07
732	490436.72, 3860285.12	2.68E-03	4.22E-07	1.66E-07	2.89E-03	4.56E-07	1.40E-06	4.57E-03	7.19E-07	2.83E-07
733	490486.72, 3860285.12	2.67E-03	4.20E-07	1.65E-07	2.88E-03	4.53E-07	1.40E-06	4.54E-03	7.15E-07	2.81E-07
734	490536.72, 3860285.12	2.65E-03	4.18E-07	1.64E-07	2.86E-03	4.51E-07	1.39E-06	4.52E-03	7.12E-07	2.80E-07
735	490586.72, 3860285.12	2.64E-03	4.16E-07	1.64E-07	2.85E-03	4.49E-07	1.38E-06	4.50E-03	7.09E-07	2.78E-07
736	490636.72, 3860285.12	2.63E-03	4.15E-07	1.63E-07	2.84E-03	4.48E-07	1.38E-06	4.49E-03	7.07E-07	2.78E-07
737	490686.72, 3860285.12	2.63E-03	4.14E-07	1.63E-07	2.84E-03	4.47E-07	1.38E-06	4.48E-03	7.05E-07	2.77E-07
738	490736.72, 3860285.12	2.62E-03	4.13E-07	1.62E-07	2.83E-03	4.46E-07	1.37E-06	4.47E-03	7.04E-07	2.77E-07
739	490786.72, 3860285.12	2.62E-03	4.13E-07	1.62E-07	2.83E-03	4.46E-07	1.37E-06	4.47E-03	7.04E-07	2.76E-07
740	490086.72, 3860335.12	2.74E-03	4.31E-07	1.69E-07	2.95E-03	4.65E-07	1.43E-06	4.66E-03	7.34E-07	2.88E-07
741	490136.72, 3860335.12	2.72E-03	4.29E-07	1.69E-07	2.94E-03	4.63E-07	1.43E-06	4.64E-03	7.31E-07	2.87E-07
742	490186.72, 3860335.12	2.71E-03	4.27E-07	1.68E-07	2.92E-03	4.60E-07	1.42E-06	4.61E-03	7.27E-07	2.85E-07
743	490236.72, 3860335.12	2.69E-03	4.24E-07	1.67E-07	2.91E-03	4.58E-07	1.41E-06	4.59E-03	7.23E-07	2.84E-07
744	490286.72, 3860335.12	2.68E-03	4.22E-07	1.66E-07	2.89E-03	4.55E-07	1.40E-06	4.56E-03	7.18E-07	2.82E-07
745	490336.72, 3860335.12	2.66E-03	4.19E-07	1.64E-07	2.87E-03	4.51E-07	1.39E-06	4.52E-03	7.13E-07	2.80E-07
746	490386.72, 3860335.12	2.64E-03	4.16E-07	1.63E-07	2.85E-03	4.49E-07	1.38E-06	4.50E-03	7.08E-07	2.78E-07
747	490436.72, 3860335.12	2.62E-03	4.13E-07	1.62E-07	2.83E-03	4.46E-07	1.37E-06	4.47E-03	7.04E-07	2.77E-07
748	490486.72, 3860335.12	2.61E-03	4.11E-07	1.61E-07	2.81E-03	4.43E-07	1.36E-06	4.44E-03	7.00E-07	2.75E-07
749	490536.72, 3860335.12	2.59E-03	4.09E-07	1.61E-07	2.80E-03	4.41E-07	1.36E-06	4.42E-03	6.96E-07	2.73E-07
750	490586.72, 3860335.12	2.58E-03	4.07E-07	1.60E-07	2.78E-03	4.39E-07	1.35E-06	4.40E-03	6.92E-07	2.72E-07
751	490636.72, 3860335.12	2.57E-03	4.05E-07	1.59E-07	2.77E-03	4.37E-07	1.35E-06	4.38E-03	6.90E-07	2.71E-07
752	490686.72, 3860335.12	2.56E-03	4.04E-07	1.59E-07	2.76E-03	4.35E-07	1.34E-06	4.36E-03	6.87E-07	2.70E-07
753	490736.72, 3860335.12	2.56E-03	4.03E-07	1.58E-07	2.76E-03	4.34E-07	1.34E-06	4.35E-03	6.86E-07	2.69E-07
754	490786.72, 3860335.12	2.55E-03	4.02E-07	1.58E-07	2.75E-03	4.34E-07	1.34E-06	4.35E-03	6.85E-07	2.69E-07
755	490086.72, 3860385.12	2.68E-03	4.22E-07	1.66E-07	2.89E-03	4.55E-07	1.40E-06	4.56E-03	7.18E-07	2.82E-07
756	490136.72, 3860385.12	2.67E-03	4.20E-07	1.65E-07	2.88E-03	4.53E-07	1.40E-06	4.54E-03	7.15E-07	2.81E-07
757	490186.72, 3860385.12	2.65E-03	4.18E-07	1.64E-07	2.86E-03	4.51E-07	1.39E-06	4.52E-03	7.11E-07	2.79E-07
758	490236.72, 3860385.12	2.64E-03	4.16E-07	1.63E-07	2.85E-03	4.48E-07	1.38E-06	4.49E-03	7.08E-07	2.78E-07
759	490286.72, 3860385.12	2.62E-03	4.13E-07	1.62E-07	2.83E-03	4.45E-07	1.37E-06	4.46E-03	7.03E-07	2.76E-07
760	490336.72, 3860385.12	2.60E-03	4.10E-07	1.61E-07	2.81E-03	4.43E-07	1.36E-06	4.44E-03	6.99E-07	2.75E-07
761	490386.72, 3860385.12	2.59E-03	4.08E-07	1.60E-07	2.79E-03	4.40E-07	1.35E-06	4.41E-03	6.94E-07	2.73E-07
762	490436.72, 3860385.12	2.57E-03	4.05E-07	1.59E-07	2.77E-03	4.37E-07	1.34E-06	4.38E-03	6.90E-07	2.71E-07
763	490486.72, 3860385.12	2.55E-03	4.02E-07	1.58E-07	2.76E-03	4.34E-07	1.34E-06	4.35E-03	6.85E-07	2.69E-07
764	490536.72, 3860385.12	2.54E-03	4.00E-07	1.57E-07	2.74E-03	4.32E-07	1.33E-06	4.33E-03	6.82E-07	2.68E-07

765	490586.72, 3860385.12	2.53E-03	3.98E-07	1.56E-07	2.72E-03	4.29E-07	1.32E-06	4.30E-03	6.78E-07	2.66E-07
766	490636.72, 3860385.12	2.51E-03	3.96E-07	1.55E-07	2.71E-03	4.27E-07	1.31E-06	4.28E-03	6.74E-07	2.65E-07
767	490686.72, 3860385.12	2.50E-03	3.94E-07	1.55E-07	2.70E-03	4.25E-07	1.31E-06	4.26E-03	6.72E-07	2.64E-07
768	490736.72, 3860385.12	2.49E-03	3.93E-07	1.54E-07	2.69E-03	4.24E-07	1.30E-06	4.25E-03	6.69E-07	2.63E-07
769	490786.72, 3860385.12	2.49E-03	3.92E-07	1.54E-07	2.68E-03	4.22E-07	1.30E-06	4.23E-03	6.67E-07	2.62E-07
770	490136.72, 3860435.12	2.61E-03	4.11E-07	1.61E-07	2.81E-03	4.43E-07	1.37E-06	4.44E-03	7.00E-07	2.75E-07
771	490186.72, 3860435.12	2.60E-03	4.09E-07	1.61E-07	2.80E-03	4.41E-07	1.36E-06	4.42E-03	6.97E-07	2.74E-07
772	490236.72, 3860435.12	2.58E-03	4.07E-07	1.60E-07	2.79E-03	4.39E-07	1.35E-06	4.40E-03	6.93E-07	2.72E-07
773	490286.72, 3860435.12	2.57E-03	4.05E-07	1.59E-07	2.77E-03	4.37E-07	1.34E-06	4.38E-03	6.89E-07	2.71E-07
774	490336.72, 3860435.12	2.55E-03	4.02E-07	1.58E-07	2.75E-03	4.34E-07	1.34E-06	4.35E-03	6.85E-07	2.69E-07
775	490386.72, 3860435.12	2.54E-03	3.99E-07	1.57E-07	2.74E-03	4.31E-07	1.33E-06	4.32E-03	6.80E-07	2.67E-07
776	490436.72, 3860435.12	2.52E-03	3.97E-07	1.56E-07	2.72E-03	4.28E-07	1.32E-06	4.29E-03	6.76E-07	2.66E-07
777	490486.72, 3860435.12	2.50E-03	3.94E-07	1.55E-07	2.70E-03	4.25E-07	1.31E-06	4.26E-03	6.72E-07	2.64E-07
778	490536.72, 3860435.12	2.49E-03	3.92E-07	1.54E-07	2.68E-03	4.23E-07	1.30E-06	4.24E-03	6.68E-07	2.62E-07
779	490586.72, 3860435.12	2.47E-03	3.90E-07	1.53E-07	2.67E-03	4.20E-07	1.29E-06	4.21E-03	6.64E-07	2.61E-07
780	490636.72, 3860435.12	2.46E-03	3.87E-07	1.52E-07	2.65E-03	4.18E-07	1.29E-06	4.19E-03	6.60E-07	2.59E-07
781	490686.72, 3860435.12	2.45E-03	3.85E-07	1.51E-07	2.64E-03	4.16E-07	1.28E-06	4.17E-03	6.57E-07	2.58E-07
782	490736.72, 3860435.12	2.44E-03	3.84E-07	1.51E-07	2.63E-03	4.14E-07	1.28E-06	4.15E-03	6.54E-07	2.57E-07
783	490786.72, 3860435.12	2.43E-03	3.82E-07	1.50E-07	2.62E-03	4.12E-07	1.27E-06	4.14E-03	6.52E-07	2.56E-07
784	490136.72, 3860485.12	2.56E-03	4.03E-07	1.58E-07	2.76E-03	4.34E-07	1.34E-06	4.35E-03	6.85E-07	2.69E-07
785	490186.72, 3860485.12	2.54E-03	4.01E-07	1.57E-07	2.74E-03	4.32E-07	1.33E-06	4.33E-03	6.83E-07	2.68E-07
786	490236.72, 3860485.12	2.53E-03	3.99E-07	1.57E-07	2.73E-03	4.30E-07	1.32E-06	4.31E-03	6.79E-07	2.67E-07
787	490286.72, 3860485.12	2.52E-03	3.97E-07	1.56E-07	2.72E-03	4.28E-07	1.32E-06	4.29E-03	6.76E-07	2.66E-07
788	490336.72, 3860485.12	2.50E-03	3.94E-07	1.55E-07	2.70E-03	4.25E-07	1.31E-06	4.26E-03	6.72E-07	2.64E-07
789	490386.72, 3860485.12	2.49E-03	3.92E-07	1.54E-07	2.68E-03	4.23E-07	1.30E-06	4.24E-03	6.68E-07	2.62E-07
790	490436.72, 3860485.12	2.47E-03	3.90E-07	1.53E-07	2.67E-03	4.20E-07	1.29E-06	4.21E-03	6.64E-07	2.61E-07
791	490486.72, 3860485.12	2.46E-03	3.87E-07	1.52E-07	2.65E-03	4.17E-07	1.29E-06	4.19E-03	6.59E-07	2.59E-07
792	490536.72, 3860485.12	2.44E-03	3.84E-07	1.51E-07	2.63E-03	4.15E-07	1.28E-06	4.16E-03	6.55E-07	2.57E-07
793	490586.72, 3860485.12	2.42E-03	3.82E-07	1.50E-07	2.61E-03	4.12E-07	1.27E-06	4.13E-03	6.51E-07	2.56E-07
794	490636.72, 3860485.12	2.41E-03	3.80E-07	1.49E-07	2.60E-03	4.09E-07	1.26E-06	4.11E-03	6.47E-07	2.54E-07
795	490686.72, 3860485.12	2.40E-03	3.77E-07	1.48E-07	2.58E-03	4.07E-07	1.25E-06	4.08E-03	6.43E-07	2.53E-07
796	490736.72, 3860485.12	2.38E-03	3.76E-07	1.48E-07	2.57E-03	4.05E-07	1.25E-06	4.06E-03	6.40E-07	2.51E-07
797	490786.72, 3860485.12	2.37E-03	3.74E-07	1.47E-07	2.56E-03	4.03E-07	1.24E-06	4.04E-03	6.37E-07	2.50E-07
798	490136.72, 3860535.12	2.50E-03	3.94E-07	1.55E-07	2.70E-03	4.25E-07	1.31E-06	4.26E-03	6.71E-07	2.64E-07
799	490186.72, 3860535.12	2.50E-03	3.93E-07	1.54E-07	2.69E-03	4.24E-07	1.31E-06	4.25E-03	6.70E-07	2.63E-07
800	490236.72, 3860535.12	2.48E-03	3.91E-07	1.54E-07	2.68E-03	4.21E-07	1.30E-06	4.23E-03	6.66E-07	2.62E-07
801	490286.72, 3860535.12	2.47E-03	3.89E-07	1.53E-07	2.66E-03	4.19E-07	1.29E-06	4.20E-03	6.62E-07	2.60E-07
802	490336.72, 3860535.12	2.45E-03	3.87E-07	1.52E-07	2.65E-03	4.17E-07	1.28E-06	4.18E-03	6.59E-07	2.59E-07
803	490386.72, 3860535.12	2.44E-03	3.85E-07	1.51E-07	2.63E-03	4.15E-07	1.28E-06	4.16E-03	6.56E-07	2.58E-07
804	490436.72, 3860535.12	2.43E-03	3.83E-07	1.50E-07	2.62E-03	4.13E-07	1.27E-06	4.14E-03	6.52E-07	2.56E-07
805	490486.72, 3860535.12	2.41E-03	3.80E-07	1.49E-07	2.60E-03	4.10E-07	1.26E-06	4.11E-03	6.48E-07	2.55E-07
806	490536.72, 3860535.12	2.40E-03	3.79E-07	1.49E-07	2.59E-03	4.08E-07	1.26E-06	4.10E-03	6.45E-07	2.53E-07
807	490586.72, 3860535.12	2.38E-03	3.75E-07	1.47E-07	2.57E-03	4.04E-07	1.25E-06	4.06E-03	6.39E-07	2.51E-07
808	490636.72, 3860535.12	2.36E-03	3.72E-07	1.46E-07	2.55E-03	4.02E-07	1.24E-06	4.03E-03	6.35E-07	2.49E-07
809	490686.72, 3860535.12	2.35E-03	3.70E-07	1.45E-07	2.53E-03	3.99E-07	1.23E-06	4.00E-03	6.31E-07	2.48E-07
810	490736.72, 3860535.12	2.34E-03	3.68E-07	1.45E-07	2.52E-03	3.97E-07	1.22E-06	3.98E-03	6.27E-07	2.46E-07
811	490786.72, 3860535.12	2.32E-03	3.66E-07	1.44E-07	2.51E-03	3.95E-07	1.22E-06	3.96E-03	6.24E-07	2.45E-07
812	490136.72, 3860585.12	2.45E-03	3.86E-07	1.52E-07	2.64E-03	4.16E-07	1.28E-06	4.17E-03	6.58E-07	2.58E-07
813	490186.72, 3860585.12	2.43E-03	3.83E-07	1.51E-07	2.62E-03	4.13E-07	1.27E-06	4.14E-03	6.53E-07	2.56E-07
814	490236.72, 3860585.12	2.43E-03	3.82E-07	1.50E-07	2.62E-03	4.12E-07	1.27E-06	4.13E-03	6.51E-07	2.56E-07
815	490286.72, 3860585.12	2.42E-03	3.81E-07	1.50E-07	2.61E-03	4.11E-07	1.27E-06	4.12E-03	6.49E-07	2.55E-07
816	490336.72, 3860585.12	2.41E-03	3.79E-07	1.49E-07	2.60E-03	4.09E-07	1.26E-06	4.10E-03	6.46E-07	2.54E-07
817	490386.72, 3860585.12	2.39E-03	3.77E-07	1.48E-07	2.58E-03	4.07E-07	1.25E-06	4.08E-03	6.43E-07	2.53E-07
818	490436.72, 3860585.12	2.39E-03	3.76E-07	1.48E-07	2.58E-03	4.06E-07	1.25E-06	4.07E-03	6.41E-07	2.52E-07
819	490486.72, 3860585.12	2.38E-03	3.75E-07	1.47E-07	2.56E-03	4.04E-07	1.24E-06	4.05E-03	6.39E-07	2.51E-07
820	490536.72, 3860585.12	2.36E-03	3.72E-07	1.46E-07	2.55E-03	4.01E-07	1.24E-06	4.02E-03	6.34E-07	2.49E-07
821	490586.72, 3860585.12	2.34E-03	3.68E-07	1.45E-07	2.52E-03	3.97E-07	1.22E-06	3.98E-03	6.27E-07	2.46E-07
822	490636.72, 3860585.12	2.32E-03	3.66E-07	1.44E-07	2.50E-03	3.94E-07	1.21E-06	3.96E-03	6.23E-07	2.45E-07
823	490686.72, 3860585.12	2.31E-03	3.63E-07	1.43E-07	2.49E-03	3.92E-07	1.21E-06	3.93E-03	6.19E-07	2.43E-07
824	490736.72, 3860585.12	2.29E-03	3.61E-07	1.42E-07	2.47E-03	3.89E-07	1.20E-06	3.91E-03	6.15E-07	2.42E-07
825	490786.72, 3860585.12	2.28E-03	3.59E-07	1.41E-07	2.46E-03	3.87E-07	1.19E-06	3.88E-03	6.12E-07	2.40E-07
826	490136.72, 3860635.12	2.40E-03	3.79E-07	1.49E-07	2.59E-03	4.09E-07	1.26E-06	4.10E-03	6.45E-07	2.54E-07
827	490186.72, 3860635.12	2.39E-03	3.77E-07	1.48E-07	2.58E-03	4.06E-07	1.25E-06	4.07E-03	6.42E-07	2.52E-07
828	490236.72, 3860635.12	2.38E-03	3.75E-07	1.47E-07	2.56E-03	4.04E-07	1.24E-06	4.05E-03	6.38E-07	2.51E-07

829	490286.72, 3860635.12	2.37E-03	3.73E-07	1.47E-07	2.55E-03	4.02E-07	1.24E-06	4.04E-03	6.36E-07	2.50E-07
830	490336.72, 3860635.12	2.36E-03	3.72E-07	1.46E-07	2.55E-03	4.01E-07	1.23E-06	4.02E-03	6.33E-07	2.49E-07
831	490386.72, 3860635.12	2.35E-03	3.70E-07	1.45E-07	2.53E-03	3.99E-07	1.23E-06	4.00E-03	6.31E-07	2.48E-07
832	490436.72, 3860635.12	2.34E-03	3.68E-07	1.45E-07	2.52E-03	3.97E-07	1.22E-06	3.98E-03	6.27E-07	2.47E-07
833	490486.72, 3860635.12	2.32E-03	3.66E-07	1.44E-07	2.51E-03	3.95E-07	1.22E-06	3.96E-03	6.24E-07	2.45E-07
834	490536.72, 3860635.12	2.31E-03	3.64E-07	1.43E-07	2.50E-03	3.93E-07	1.21E-06	3.94E-03	6.21E-07	2.44E-07
835	490586.72, 3860635.12	2.30E-03	3.62E-07	1.42E-07	2.48E-03	3.90E-07	1.20E-06	3.91E-03	6.16E-07	2.42E-07
836	490636.72, 3860635.12	2.28E-03	3.59E-07	1.41E-07	2.46E-03	3.88E-07	1.19E-06	3.89E-03	6.13E-07	2.41E-07
837	490686.72, 3860635.12	2.27E-03	3.57E-07	1.40E-07	2.44E-03	3.85E-07	1.19E-06	3.86E-03	6.09E-07	2.39E-07
838	490736.72, 3860635.12	2.25E-03	3.54E-07	1.39E-07	2.43E-03	3.82E-07	1.18E-06	3.84E-03	6.04E-07	2.37E-07
839	490786.72, 3860635.12	2.24E-03	3.52E-07	1.38E-07	2.41E-03	3.80E-07	1.17E-06	3.81E-03	6.01E-07	2.36E-07
840	490136.72, 3860685.12	2.35E-03	3.70E-07	1.45E-07	2.53E-03	3.99E-07	1.23E-06	4.00E-03	6.30E-07	2.48E-07
841	490186.72, 3860685.12	2.35E-03	3.71E-07	1.46E-07	2.54E-03	4.00E-07	1.23E-06	4.01E-03	6.31E-07	2.48E-07
842	490236.72, 3860685.12	2.34E-03	3.68E-07	1.45E-07	2.52E-03	3.97E-07	1.22E-06	3.98E-03	6.27E-07	2.46E-07
843	490286.72, 3860685.12	2.32E-03	3.65E-07	1.43E-07	2.50E-03	3.94E-07	1.21E-06	3.95E-03	6.22E-07	2.44E-07
844	490336.72, 3860685.12	2.31E-03	3.64E-07	1.43E-07	2.50E-03	3.93E-07	1.21E-06	3.94E-03	6.21E-07	2.44E-07
845	490386.72, 3860685.12	2.30E-03	3.63E-07	1.43E-07	2.49E-03	3.92E-07	1.21E-06	3.93E-03	6.19E-07	2.43E-07
846	490436.72, 3860685.12	2.29E-03	3.61E-07	1.42E-07	2.47E-03	3.89E-07	1.20E-06	3.91E-03	6.15E-07	2.42E-07
847	490486.72, 3860685.12	2.28E-03	3.59E-07	1.41E-07	2.46E-03	3.87E-07	1.19E-06	3.88E-03	6.12E-07	2.40E-07
848	490536.72, 3860685.12	2.27E-03	3.57E-07	1.40E-07	2.45E-03	3.85E-07	1.19E-06	3.86E-03	6.09E-07	2.39E-07
849	490586.72, 3860685.12	2.25E-03	3.55E-07	1.39E-07	2.43E-03	3.83E-07	1.18E-06	3.84E-03	6.05E-07	2.38E-07
850	490636.72, 3860685.12	2.24E-03	3.53E-07	1.39E-07	2.42E-03	3.81E-07	1.17E-06	3.82E-03	6.02E-07	2.37E-07
851	490686.72, 3860685.12	2.23E-03	3.51E-07	1.38E-07	2.40E-03	3.79E-07	1.17E-06	3.80E-03	5.99E-07	2.35E-07
852	490736.72, 3860685.12	2.21E-03	3.49E-07	1.37E-07	2.39E-03	3.76E-07	1.16E-06	3.77E-03	5.94E-07	2.34E-07
853	490786.72, 3860685.12	2.20E-03	3.47E-07	1.36E-07	2.38E-03	3.74E-07	1.15E-06	3.75E-03	5.91E-07	2.32E-07
854	490136.72, 3860735.12	2.28E-03	3.60E-07	1.41E-07	2.46E-03	3.88E-07	1.19E-06	3.89E-03	6.12E-07	2.41E-07
855	490186.72, 3860735.12	2.28E-03	3.59E-07	1.41E-07	2.46E-03	3.87E-07	1.19E-06	3.88E-03	6.11E-07	2.40E-07
856	490236.72, 3860735.12	2.27E-03	3.58E-07	1.41E-07	2.45E-03	3.86E-07	1.19E-06	3.87E-03	6.10E-07	2.40E-07
857	490286.72, 3860735.12	2.27E-03	3.58E-07	1.40E-07	2.45E-03	3.86E-07	1.19E-06	3.87E-03	6.09E-07	2.39E-07
858	490336.72, 3860735.12	2.26E-03	3.57E-07	1.40E-07	2.44E-03	3.85E-07	1.18E-06	3.86E-03	6.08E-07	2.39E-07
859	490386.72, 3860735.12	2.26E-03	3.56E-07	1.40E-07	2.44E-03	3.84E-07	1.18E-06	3.85E-03	6.06E-07	2.38E-07
860	490436.72, 3860735.12	2.26E-03	3.55E-07	1.40E-07	2.43E-03	3.83E-07	1.18E-06	3.84E-03	6.06E-07	2.38E-07
861	490486.72, 3860735.12	2.24E-03	3.53E-07	1.39E-07	2.42E-03	3.81E-07	1.17E-06	3.82E-03	6.02E-07	2.37E-07
862	490536.72, 3860735.12	2.22E-03	3.50E-07	1.38E-07	2.40E-03	3.78E-07	1.16E-06	3.79E-03	5.97E-07	2.35E-07
863	490586.72, 3860735.12	2.21E-03	3.48E-07	1.37E-07	2.39E-03	3.76E-07	1.16E-06	3.77E-03	5.94E-07	2.33E-07
864	490636.72, 3860735.12	2.20E-03	3.46E-07	1.36E-07	2.37E-03	3.74E-07	1.15E-06	3.75E-03	5.91E-07	2.32E-07
865	490686.72, 3860735.12	2.19E-03	3.45E-07	1.35E-07	2.36E-03	3.72E-07	1.15E-06	3.73E-03	5.88E-07	2.31E-07
866	490736.72, 3860735.12	2.18E-03	3.43E-07	1.35E-07	2.35E-03	3.70E-07	1.14E-06	3.71E-03	5.85E-07	2.30E-07
867	490136.72, 3860785.12	2.22E-03	3.50E-07	1.38E-07	2.40E-03	3.78E-07	1.16E-06	3.78E-03	5.96E-07	2.34E-07
868	490186.72, 3860785.12	2.22E-03	3.50E-07	1.38E-07	2.40E-03	3.78E-07	1.16E-06	3.79E-03	5.96E-07	2.34E-07
869	490236.72, 3860785.12	2.22E-03	3.50E-07	1.37E-07	2.39E-03	3.77E-07	1.16E-06	3.78E-03	5.96E-07	2.34E-07
870	490286.72, 3860785.12	2.22E-03	3.49E-07	1.37E-07	2.39E-03	3.77E-07	1.16E-06	3.78E-03	5.95E-07	2.34E-07
871	490336.72, 3860785.12	2.21E-03	3.49E-07	1.37E-07	2.39E-03	3.76E-07	1.16E-06	3.77E-03	5.94E-07	2.33E-07
872	490386.72, 3860785.12	2.21E-03	3.48E-07	1.37E-07	2.39E-03	3.76E-07	1.16E-06	3.77E-03	5.94E-07	2.33E-07
873	490436.72, 3860785.12	2.20E-03	3.47E-07	1.36E-07	2.38E-03	3.75E-07	1.15E-06	3.76E-03	5.92E-07	2.33E-07
874	490486.72, 3860785.12	2.20E-03	3.46E-07	1.36E-07	2.37E-03	3.74E-07	1.15E-06	3.75E-03	5.91E-07	2.32E-07
875	490536.72, 3860785.12	2.19E-03	3.45E-07	1.35E-07	2.36E-03	3.72E-07	1.14E-06	3.73E-03	5.87E-07	2.31E-07
876	490586.72, 3860785.12	2.17E-03	3.42E-07	1.34E-07	2.34E-03	3.69E-07	1.14E-06	3.70E-03	5.83E-07	2.29E-07
877	490636.72, 3860785.12	2.16E-03	3.40E-07	1.34E-07	2.33E-03	3.67E-07	1.13E-06	3.68E-03	5.80E-07	2.28E-07
878	490686.72, 3860785.12	2.15E-03	3.38E-07	1.33E-07	2.32E-03	3.65E-07	1.12E-06	3.66E-03	5.77E-07	2.27E-07
879	490736.72, 3860785.12	2.14E-03	3.37E-07	1.32E-07	2.31E-03	3.63E-07	1.12E-06	3.65E-03	5.74E-07	2.26E-07
880	490086.72, 3860835.12	2.17E-03	3.41E-07	1.34E-07	2.34E-03	3.68E-07	1.13E-06	3.69E-03	5.81E-07	2.28E-07
881	490136.72, 3860835.12	2.17E-03	3.42E-07	1.34E-07	2.34E-03	3.69E-07	1.14E-06	3.70E-03	5.82E-07	2.29E-07
882	490186.72, 3860835.12	2.17E-03	3.42E-07	1.34E-07	2.34E-03	3.69E-07	1.14E-06	3.70E-03	5.82E-07	2.29E-07
883	490236.72, 3860835.12	2.17E-03	3.42E-07	1.34E-07	2.34E-03	3.68E-07	1.13E-06	3.69E-03	5.82E-07	2.29E-07
884	490286.72, 3860835.12	2.17E-03	3.42E-07	1.34E-07	2.34E-03	3.68E-07	1.13E-06	3.69E-03	5.82E-07	2.29E-07
885	490336.72, 3860835.12	2.16E-03	3.41E-07	1.34E-07	2.33E-03	3.68E-07	1.13E-06	3.69E-03	5.81E-07	2.28E-07
886	490386.72, 3860835.12	2.16E-03	3.40E-07	1.34E-07	2.33E-03	3.67E-07	1.13E-06	3.68E-03	5.80E-07	2.28E-07
887	490436.72, 3860835.12	2.16E-03	3.40E-07	1.34E-07	2.33E-03	3.67E-07	1.13E-06	3.68E-03	5.79E-07	2.28E-07
888	490486.72, 3860835.12	2.15E-03	3.39E-07	1.33E-07	2.32E-03	3.66E-07	1.13E-06	3.67E-03	5.78E-07	2.27E-07
889	490536.72, 3860835.12	2.14E-03	3.38E-07	1.33E-07	2.31E-03	3.64E-07	1.12E-06	3.66E-03	5.76E-07	2.26E-07
890	490586.72, 3860835.12	2.13E-03	3.36E-07	1.32E-07	2.30E-03	3.62E-07	1.12E-06	3.64E-03	5.73E-07	2.25E-07
891	490636.72, 3860835.12	2.12E-03	3.34E-07	1.31E-07	2.29E-03	3.60E-07	1.11E-06	3.62E-03	5.70E-07	2.24E-07
892	490686.72, 3860835.12	2.11E-03	3.32E-07	1.31E-07	2.28E-03	3.59E-07	1.10E-06	3.60E-03	5.67E-07	2.23E-07

893	490736.72, 3860835.12	2.10E-03	3.31E-07	1.30E-07	2.27E-03	3.57E-07	1.10E-06	3.58E-03	5.64E-07	2.22E-07
894	490086.72, 3860885.12	2.12E-03	3.33E-07	1.31E-07	2.28E-03	3.59E-07	1.11E-06	3.60E-03	5.67E-07	2.23E-07
895	490136.72, 3860885.12	2.12E-03	3.34E-07	1.31E-07	2.28E-03	3.60E-07	1.11E-06	3.61E-03	5.68E-07	2.23E-07
896	490186.72, 3860885.12	2.12E-03	3.34E-07	1.31E-07	2.29E-03	3.60E-07	1.11E-06	3.61E-03	5.69E-07	2.23E-07
897	490236.72, 3860885.12	2.12E-03	3.34E-07	1.31E-07	2.29E-03	3.60E-07	1.11E-06	3.61E-03	5.69E-07	2.23E-07
898	490286.72, 3860885.12	2.12E-03	3.34E-07	1.31E-07	2.29E-03	3.60E-07	1.11E-06	3.61E-03	5.69E-07	2.23E-07
899	490336.72, 3860885.12	2.12E-03	3.33E-07	1.31E-07	2.28E-03	3.60E-07	1.11E-06	3.61E-03	5.68E-07	2.23E-07
900	490386.72, 3860885.12	2.11E-03	3.33E-07	1.31E-07	2.28E-03	3.59E-07	1.11E-06	3.60E-03	5.68E-07	2.23E-07
901	490436.72, 3860885.12	2.11E-03	3.33E-07	1.31E-07	2.28E-03	3.59E-07	1.11E-06	3.60E-03	5.68E-07	2.23E-07
902	490486.72, 3860885.12	2.11E-03	3.32E-07	1.31E-07	2.27E-03	3.58E-07	1.10E-06	3.60E-03	5.66E-07	2.23E-07
903	490536.72, 3860885.12	2.10E-03	3.31E-07	1.30E-07	2.27E-03	3.57E-07	1.10E-06	3.58E-03	5.65E-07	2.22E-07
904	490586.72, 3860885.12	2.09E-03	3.30E-07	1.30E-07	2.26E-03	3.56E-07	1.10E-06	3.57E-03	5.62E-07	2.21E-07
905	490636.72, 3860885.12	2.08E-03	3.28E-07	1.29E-07	2.25E-03	3.54E-07	1.09E-06	3.55E-03	5.60E-07	2.20E-07
906	490686.72, 3860885.12	2.07E-03	3.26E-07	1.28E-07	2.24E-03	3.52E-07	1.08E-06	3.53E-03	5.57E-07	2.19E-07
907	490736.72, 3860885.12	2.06E-03	3.25E-07	1.28E-07	2.22E-03	3.50E-07	1.08E-06	3.52E-03	5.54E-07	2.18E-07
908	490086.72, 3860935.12	2.06E-03	3.25E-07	1.28E-07	2.22E-03	3.50E-07	1.08E-06	3.51E-03	5.53E-07	2.17E-07
909	490136.72, 3860935.12	2.06E-03	3.25E-07	1.28E-07	2.23E-03	3.51E-07	1.08E-06	3.51E-03	5.54E-07	2.17E-07
910	490186.72, 3860935.12	2.07E-03	3.26E-07	1.28E-07	2.23E-03	3.51E-07	1.08E-06	3.52E-03	5.55E-07	2.18E-07
911	490236.72, 3860935.12	2.07E-03	3.26E-07	1.28E-07	2.23E-03	3.52E-07	1.08E-06	3.53E-03	5.55E-07	2.18E-07
912	490286.72, 3860935.12	2.07E-03	3.26E-07	1.28E-07	2.23E-03	3.52E-07	1.08E-06	3.53E-03	5.56E-07	2.18E-07
913	490336.72, 3860935.12	2.07E-03	3.26E-07	1.28E-07	2.23E-03	3.52E-07	1.08E-06	3.53E-03	5.56E-07	2.18E-07
914	490386.72, 3860935.12	2.07E-03	3.26E-07	1.28E-07	2.23E-03	3.52E-07	1.08E-06	3.53E-03	5.56E-07	2.18E-07
915	490436.72, 3860935.12	2.07E-03	3.26E-07	1.28E-07	2.23E-03	3.52E-07	1.08E-06	3.53E-03	5.56E-07	2.18E-07
916	490486.72, 3860935.12	2.07E-03	3.25E-07	1.28E-07	2.23E-03	3.51E-07	1.08E-06	3.52E-03	5.55E-07	2.18E-07
917	490536.72, 3860935.12	2.06E-03	3.25E-07	1.28E-07	2.22E-03	3.50E-07	1.08E-06	3.51E-03	5.54E-07	2.18E-07
918	490586.72, 3860935.12	2.05E-03	3.24E-07	1.27E-07	2.22E-03	3.49E-07	1.07E-06	3.50E-03	5.52E-07	2.17E-07
919	490636.72, 3860935.12	2.04E-03	3.22E-07	1.27E-07	2.21E-03	3.48E-07	1.07E-06	3.49E-03	5.49E-07	2.16E-07
920	490686.72, 3860935.12	2.04E-03	3.21E-07	1.26E-07	2.20E-03	3.46E-07	1.07E-06	3.47E-03	5.47E-07	2.15E-07
921	490736.72, 3860935.12	2.03E-03	3.19E-07	1.25E-07	2.19E-03	3.44E-07	1.06E-06	3.46E-03	5.44E-07	2.14E-07
922	490786.72, 3860935.12	2.02E-03	3.18E-07	1.25E-07	2.17E-03	3.43E-07	1.06E-06	3.44E-03	5.42E-07	2.13E-07
923	490836.72, 3860935.12	2.01E-03	3.16E-07	1.24E-07	2.17E-03	3.41E-07	1.05E-06	3.43E-03	5.40E-07	2.12E-07
924	490086.72, 3860985.12	2.01E-03	3.17E-07	1.25E-07	2.17E-03	3.42E-07	1.05E-06	3.43E-03	5.40E-07	2.12E-07
925	490136.72, 3860985.12	2.02E-03	3.18E-07	1.25E-07	2.18E-03	3.43E-07	1.06E-06	3.43E-03	5.41E-07	2.13E-07
926	490186.72, 3860985.12	2.02E-03	3.18E-07	1.25E-07	2.18E-03	3.43E-07	1.06E-06	3.44E-03	5.42E-07	2.13E-07
927	490236.72, 3860985.12	2.02E-03	3.19E-07	1.25E-07	2.18E-03	3.44E-07	1.06E-06	3.44E-03	5.43E-07	2.13E-07
928	490286.72, 3860985.12	2.02E-03	3.19E-07	1.25E-07	2.18E-03	3.44E-07	1.06E-06	3.45E-03	5.43E-07	2.13E-07
929	490336.72, 3860985.12	2.02E-03	3.19E-07	1.25E-07	2.18E-03	3.44E-07	1.06E-06	3.45E-03	5.43E-07	2.13E-07
930	490386.72, 3860985.12	2.02E-03	3.19E-07	1.25E-07	2.18E-03	3.44E-07	1.06E-06	3.45E-03	5.44E-07	2.14E-07
931	490436.72, 3860985.12	2.03E-03	3.19E-07	1.25E-07	2.19E-03	3.44E-07	1.06E-06	3.45E-03	5.44E-07	2.14E-07
932	490486.72, 3860985.12	2.02E-03	3.19E-07	1.25E-07	2.18E-03	3.44E-07	1.06E-06	3.45E-03	5.44E-07	2.14E-07
933	490536.72, 3860985.12	2.02E-03	3.18E-07	1.25E-07	2.18E-03	3.43E-07	1.06E-06	3.44E-03	5.42E-07	2.13E-07
934	490586.72, 3860985.12	2.01E-03	3.17E-07	1.25E-07	2.17E-03	3.42E-07	1.05E-06	3.43E-03	5.41E-07	2.13E-07
935	490636.72, 3860985.12	2.01E-03	3.16E-07	1.24E-07	2.17E-03	3.41E-07	1.05E-06	3.43E-03	5.40E-07	2.12E-07
936	490686.72, 3860985.12	2.00E-03	3.15E-07	1.24E-07	2.16E-03	3.40E-07	1.05E-06	3.41E-03	5.37E-07	2.11E-07
937	490736.72, 3860985.12	1.99E-03	3.14E-07	1.23E-07	2.15E-03	3.38E-07	1.04E-06	3.40E-03	5.35E-07	2.10E-07
938	490786.72, 3860985.12	1.98E-03	3.12E-07	1.23E-07	2.14E-03	3.37E-07	1.04E-06	3.38E-03	5.33E-07	2.09E-07
939	490836.72, 3860985.12	1.97E-03	3.11E-07	1.22E-07	2.13E-03	3.35E-07	1.03E-06	3.37E-03	5.30E-07	2.08E-07
940	490086.72, 3861035.12	1.97E-03	3.10E-07	1.22E-07	2.12E-03	3.34E-07	1.03E-06	3.35E-03	5.27E-07	2.07E-07
941	490136.72, 3861035.12	1.97E-03	3.10E-07	1.22E-07	2.12E-03	3.35E-07	1.03E-06	3.35E-03	5.28E-07	2.08E-07
942	490186.72, 3861035.12	1.97E-03	3.11E-07	1.22E-07	2.13E-03	3.35E-07	1.03E-06	3.36E-03	5.29E-07	2.08E-07
943	490236.72, 3861035.12	1.98E-03	3.11E-07	1.22E-07	2.13E-03	3.36E-07	1.03E-06	3.37E-03	5.30E-07	2.08E-07
944	490286.72, 3861035.12	1.98E-03	3.11E-07	1.22E-07	2.13E-03	3.36E-07	1.03E-06	3.37E-03	5.31E-07	2.08E-07
945	490336.72, 3861035.12	1.98E-03	3.12E-07	1.22E-07	2.13E-03	3.36E-07	1.04E-06	3.37E-03	5.31E-07	2.09E-07
946	490386.72, 3861035.12	1.98E-03	3.12E-07	1.23E-07	2.14E-03	3.37E-07	1.04E-06	3.38E-03	5.32E-07	2.09E-07
947	490436.72, 3861035.12	1.98E-03	3.13E-07	1.23E-07	2.14E-03	3.37E-07	1.04E-06	3.38E-03	5.33E-07	2.09E-07
948	490486.72, 3861035.12	1.98E-03	3.12E-07	1.23E-07	2.14E-03	3.37E-07	1.04E-06	3.38E-03	5.32E-07	2.09E-07
949	490536.72, 3861035.12	1.98E-03	3.12E-07	1.23E-07	2.14E-03	3.36E-07	1.04E-06	3.38E-03	5.32E-07	2.09E-07
950	490586.72, 3861035.12	1.98E-03	3.11E-07	1.22E-07	2.13E-03	3.36E-07	1.03E-06	3.37E-03	5.31E-07	2.08E-07
951	490636.72, 3861035.12	1.97E-03	3.10E-07	1.22E-07	2.12E-03	3.35E-07	1.03E-06	3.36E-03	5.29E-07	2.08E-07
952	490686.72, 3861035.12	1.96E-03	3.09E-07	1.21E-07	2.12E-03	3.34E-07	1.03E-06	3.35E-03	5.27E-07	2.07E-07
953	490736.72, 3861035.12	1.96E-03	3.08E-07	1.21E-07	2.11E-03	3.32E-07	1.02E-06	3.34E-03	5.25E-07	2.06E-07
954	490786.72, 3861035.12	1.95E-03	3.07E-07	1.21E-07	2.10E-03	3.31E-07	1.02E-06	3.32E-03	5.24E-07	2.06E-07
955	490836.72, 3861035.12	1.94E-03	3.06E-07	1.20E-07	2.09E-03	3.30E-07	1.02E-06	3.31E-03	5.22E-07	2.05E-07
956	490086.72, 3861085.12	1.92E-03	3.02E-07	1.19E-07	2.07E-03	3.26E-07	1.00E-06	3.27E-03	5.14E-07	2.02E-07

957	490136.72, 3861085.12	1.93E-03	3.03E-07	1.19E-07	2.08E-03	3.27E-07	1.01E-06	3.28E-03	5.16E-07	2.03E-07
958	490186.72, 3861085.12	1.93E-03	3.04E-07	1.20E-07	2.08E-03	3.28E-07	1.01E-06	3.29E-03	5.18E-07	2.04E-07
959	490236.72, 3861085.12	1.93E-03	3.04E-07	1.20E-07	2.08E-03	3.28E-07	1.01E-06	3.29E-03	5.18E-07	2.04E-07
960	490286.72, 3861085.12	1.93E-03	3.05E-07	1.20E-07	2.09E-03	3.29E-07	1.01E-06	3.29E-03	5.19E-07	2.04E-07
961	490336.72, 3861085.12	1.94E-03	3.05E-07	1.20E-07	2.09E-03	3.29E-07	1.01E-06	3.30E-03	5.19E-07	2.04E-07
962	490386.72, 3861085.12	1.94E-03	3.05E-07	1.20E-07	2.09E-03	3.29E-07	1.01E-06	3.30E-03	5.20E-07	2.04E-07
963	490436.72, 3861085.12	1.94E-03	3.06E-07	1.20E-07	2.09E-03	3.30E-07	1.02E-06	3.31E-03	5.21E-07	2.05E-07
964	490486.72, 3861085.12	1.94E-03	3.06E-07	1.20E-07	2.09E-03	3.30E-07	1.02E-06	3.31E-03	5.21E-07	2.05E-07
965	490536.72, 3861085.12	1.94E-03	3.06E-07	1.20E-07	2.09E-03	3.30E-07	1.02E-06	3.31E-03	5.21E-07	2.05E-07
966	490586.72, 3861085.12	1.94E-03	3.05E-07	1.20E-07	2.09E-03	3.29E-07	1.01E-06	3.30E-03	5.20E-07	2.04E-07
967	490636.72, 3861085.12	1.93E-03	3.04E-07	1.20E-07	2.08E-03	3.28E-07	1.01E-06	3.29E-03	5.19E-07	2.04E-07
968	490686.72, 3861085.12	1.93E-03	3.03E-07	1.19E-07	2.08E-03	3.27E-07	1.01E-06	3.29E-03	5.18E-07	2.03E-07
969	490736.72, 3861085.12	1.92E-03	3.03E-07	1.19E-07	2.07E-03	3.26E-07	1.01E-06	3.28E-03	5.16E-07	2.03E-07
970	490786.72, 3861085.12	1.91E-03	3.02E-07	1.18E-07	2.07E-03	3.25E-07	1.00E-06	3.27E-03	5.15E-07	2.02E-07
971	490836.72, 3861085.12	1.91E-03	3.00E-07	1.18E-07	2.06E-03	3.24E-07	9.98E-07	3.25E-03	5.13E-07	2.01E-07
972	490086.72, 3861135.12	1.87E-03	2.95E-07	1.16E-07	2.02E-03	3.18E-07	9.81E-07	3.19E-03	5.02E-07	1.97E-07
973	490136.72, 3861135.12	1.88E-03	2.96E-07	1.16E-07	2.03E-03	3.19E-07	9.83E-07	3.20E-03	5.04E-07	1.98E-07
974	490186.72, 3861135.12	1.89E-03	2.97E-07	1.17E-07	2.03E-03	3.20E-07	9.87E-07	3.21E-03	5.06E-07	1.99E-07
975	490236.72, 3861135.12	1.89E-03	2.98E-07	1.17E-07	2.04E-03	3.21E-07	9.89E-07	3.22E-03	5.07E-07	1.99E-07
976	490286.72, 3861135.12	1.89E-03	2.98E-07	1.17E-07	2.04E-03	3.22E-07	9.90E-07	3.22E-03	5.08E-07	1.99E-07
977	490336.72, 3861135.12	1.89E-03	2.98E-07	1.17E-07	2.04E-03	3.22E-07	9.91E-07	3.23E-03	5.08E-07	2.00E-07
978	490386.72, 3861135.12	1.90E-03	2.99E-07	1.17E-07	2.05E-03	3.22E-07	9.93E-07	3.23E-03	5.09E-07	2.00E-07
979	490436.72, 3861135.12	1.90E-03	2.99E-07	1.17E-07	2.05E-03	3.23E-07	9.93E-07	3.23E-03	5.10E-07	2.00E-07
980	490486.72, 3861135.12	1.90E-03	2.99E-07	1.18E-07	2.05E-03	3.23E-07	9.94E-07	3.24E-03	5.10E-07	2.00E-07
981	490536.72, 3861135.12	1.90E-03	2.99E-07	1.18E-07	2.05E-03	3.23E-07	9.94E-07	3.24E-03	5.10E-07	2.00E-07
982	490586.72, 3861135.12	1.90E-03	2.99E-07	1.17E-07	2.05E-03	3.23E-07	9.93E-07	3.24E-03	5.10E-07	2.00E-07
983	490636.72, 3861135.12	1.89E-03	2.98E-07	1.17E-07	2.04E-03	3.22E-07	9.91E-07	3.23E-03	5.09E-07	2.00E-07
984	490686.72, 3861135.12	1.89E-03	2.98E-07	1.17E-07	2.04E-03	3.21E-07	9.89E-07	3.22E-03	5.08E-07	2.00E-07
985	490736.72, 3861135.12	1.89E-03	2.97E-07	1.17E-07	2.04E-03	3.21E-07	9.87E-07	3.22E-03	5.07E-07	1.99E-07
986	490786.72, 3861135.12	1.88E-03	2.96E-07	1.16E-07	2.03E-03	3.20E-07	9.85E-07	3.21E-03	5.06E-07	1.99E-07
987	490836.72, 3861135.12	1.87E-03	2.95E-07	1.16E-07	2.02E-03	3.19E-07	9.81E-07	3.20E-03	5.04E-07	1.98E-07
988	490086.72, 3861185.12	1.83E-03	2.88E-07	1.13E-07	1.97E-03	3.11E-07	9.58E-07	3.11E-03	4.91E-07	1.93E-07
989	490136.72, 3861185.12	1.83E-03	2.89E-07	1.13E-07	1.98E-03	3.11E-07	9.59E-07	3.12E-03	4.92E-07	1.93E-07
990	490186.72, 3861185.12	1.84E-03	2.90E-07	1.14E-07	1.98E-03	3.12E-07	9.62E-07	3.13E-03	4.93E-07	1.94E-07
991	490236.72, 3861185.12	1.84E-03	2.90E-07	1.14E-07	1.99E-03	3.13E-07	9.65E-07	3.14E-03	4.94E-07	1.94E-07
992	490286.72, 3861185.12	1.85E-03	2.91E-07	1.14E-07	1.99E-03	3.14E-07	9.68E-07	3.15E-03	4.96E-07	1.95E-07
993	490336.72, 3861185.12	1.85E-03	2.91E-07	1.14E-07	1.99E-03	3.14E-07	9.68E-07	3.15E-03	4.96E-07	1.95E-07
994	490386.72, 3861185.12	1.85E-03	2.92E-07	1.15E-07	2.00E-03	3.15E-07	9.70E-07	3.16E-03	4.97E-07	1.95E-07
995	490436.72, 3861185.12	1.86E-03	2.93E-07	1.15E-07	2.00E-03	3.16E-07	9.72E-07	3.16E-03	4.98E-07	1.96E-07
996	490486.72, 3861185.12	1.86E-03	2.93E-07	1.15E-07	2.00E-03	3.16E-07	9.73E-07	3.17E-03	4.99E-07	1.96E-07
997	490536.72, 3861185.12	1.86E-03	2.93E-07	1.15E-07	2.01E-03	3.17E-07	9.75E-07	3.18E-03	5.00E-07	1.97E-07
998	490586.72, 3861185.12	1.86E-03	2.93E-07	1.15E-07	2.01E-03	3.16E-07	9.74E-07	3.17E-03	5.00E-07	1.96E-07
999	490636.72, 3861185.12	1.86E-03	2.92E-07	1.15E-07	2.00E-03	3.15E-07	9.72E-07	3.17E-03	4.99E-07	1.96E-07
1000	490686.72, 3861185.12	1.85E-03	2.92E-07	1.15E-07	2.00E-03	3.15E-07	9.70E-07	3.16E-03	4.98E-07	1.96E-07
1001	490736.72, 3861185.12	1.85E-03	2.92E-07	1.15E-07	2.00E-03	3.15E-07	9.70E-07	3.16E-03	4.98E-07	1.96E-07
1002	490786.72, 3861185.12	1.85E-03	2.91E-07	1.14E-07	1.99E-03	3.14E-07	9.68E-07	3.15E-03	4.97E-07	1.95E-07
1003	490836.72, 3861185.12	1.84E-03	2.90E-07	1.14E-07	1.99E-03	3.13E-07	9.65E-07	3.15E-03	4.96E-07	1.95E-07
1004	490086.72, 3861235.12	1.79E-03	2.82E-07	1.11E-07	1.93E-03	3.04E-07	9.36E-07	3.04E-03	4.79E-07	1.88E-07
1005	490136.72, 3861235.12	1.79E-03	2.82E-07	1.11E-07	1.93E-03	3.04E-07	9.37E-07	3.05E-03	4.80E-07	1.89E-07
1006	490186.72, 3861235.12	1.80E-03	2.83E-07	1.11E-07	1.94E-03	3.05E-07	9.40E-07	3.06E-03	4.82E-07	1.89E-07
1007	490236.72, 3861235.12	1.80E-03	2.83E-07	1.11E-07	1.94E-03	3.06E-07	9.41E-07	3.06E-03	4.82E-07	1.90E-07
1008	490386.72, 3861235.12	1.81E-03	2.85E-07	1.12E-07	1.95E-03	3.07E-07	9.47E-07	3.08E-03	4.86E-07	1.91E-07
1009	490436.72, 3861235.12	1.81E-03	2.85E-07	1.12E-07	1.95E-03	3.08E-07	9.48E-07	3.09E-03	4.86E-07	1.91E-07
1010	490486.72, 3861235.12	1.81E-03	2.86E-07	1.12E-07	1.96E-03	3.08E-07	9.50E-07	3.09E-03	4.87E-07	1.91E-07
1011	490536.72, 3861235.12	1.82E-03	2.87E-07	1.13E-07	1.96E-03	3.10E-07	9.53E-07	3.11E-03	4.89E-07	1.92E-07
1012	490586.72, 3861235.12	1.83E-03	2.88E-07	1.13E-07	1.97E-03	3.10E-07	9.55E-07	3.11E-03	4.90E-07	1.93E-07
1013	490636.72, 3861235.12	1.82E-03	2.87E-07	1.13E-07	1.96E-03	3.09E-07	9.52E-07	3.10E-03	4.89E-07	1.92E-07
1014	490686.72, 3861235.12	1.82E-03	2.86E-07	1.12E-07	1.96E-03	3.09E-07	9.51E-07	3.10E-03	4.88E-07	1.92E-07
1015	490736.72, 3861235.12	1.82E-03	2.86E-07	1.12E-07	1.96E-03	3.09E-07	9.51E-07	3.10E-03	4.88E-07	1.92E-07
1016	490786.72, 3861235.12	1.82E-03	2.86E-07	1.12E-07	1.96E-03	3.09E-07	9.51E-07	3.10E-03	4.88E-07	1.92E-07
1017	490836.72, 3861235.12	1.81E-03	2.86E-07	1.12E-07	1.96E-03	3.08E-07	9.49E-07	3.09E-03	4.87E-07	1.91E-07
1018	490086.72, 3861285.12	1.75E-03	2.76E-07	1.08E-07	1.89E-03	2.97E-07	9.15E-07	2.98E-03	4.69E-07	1.84E-07
1019	490136.72, 3861285.12	1.76E-03	2.77E-07	1.09E-07	1.89E-03	2.98E-07	9.19E-07	2.99E-03	4.71E-07	1.85E-07
1020	490186.72, 3861285.12	1.76E-03	2.77E-07	1.09E-07	1.89E-03	2.98E-07	9.19E-07	2.99E-03	4.71E-07	1.85E-07

1021	490236.72, 3861285.12	1.76E-03	2.77E-07	1.09E-07	1.90E-03	2.99E-07	9.21E-07	3.00E-03	4.72E-07	1.85E-07
1022	490386.72, 3861285.12	1.77E-03	2.79E-07	1.10E-07	1.91E-03	3.01E-07	9.26E-07	3.01E-03	4.75E-07	1.87E-07
1023	490436.72, 3861285.12	1.77E-03	2.79E-07	1.10E-07	1.91E-03	3.01E-07	9.28E-07	3.02E-03	4.76E-07	1.87E-07
1024	490486.72, 3861285.12	1.78E-03	2.80E-07	1.10E-07	1.92E-03	3.02E-07	9.29E-07	3.03E-03	4.77E-07	1.87E-07
1025	490536.72, 3861285.12	1.78E-03	2.80E-07	1.10E-07	1.92E-03	3.02E-07	9.31E-07	3.03E-03	4.78E-07	1.88E-07
1026	490586.72, 3861285.12	1.78E-03	2.81E-07	1.10E-07	1.92E-03	3.03E-07	9.33E-07	3.04E-03	4.79E-07	1.88E-07
1027	490636.72, 3861285.12	1.78E-03	2.80E-07	1.10E-07	1.92E-03	3.03E-07	9.32E-07	3.04E-03	4.78E-07	1.88E-07
1028	490686.72, 3861285.12	1.78E-03	2.81E-07	1.10E-07	1.92E-03	3.03E-07	9.32E-07	3.04E-03	4.78E-07	1.88E-07
1029	490736.72, 3861285.12	1.78E-03	2.81E-07	1.10E-07	1.92E-03	3.03E-07	9.34E-07	3.04E-03	4.79E-07	1.88E-07
1030	490786.72, 3861285.12	1.78E-03	2.81E-07	1.10E-07	1.92E-03	3.03E-07	9.33E-07	3.04E-03	4.79E-07	1.88E-07
1031	490836.72, 3861285.12	1.78E-03	2.80E-07	1.10E-07	1.92E-03	3.02E-07	9.31E-07	3.03E-03	4.78E-07	1.88E-07
1032	490061.24, 3859716.13	3.88E-03	6.11E-07	2.40E-07	4.18E-03	6.59E-07	2.03E-06	6.57E-03	1.04E-06	4.07E-07
1033	490111.24, 3859716.13	3.89E-03	6.13E-07	2.41E-07	4.19E-03	6.60E-07	2.03E-06	6.59E-03	1.04E-06	4.08E-07
1034	490161.24, 3859716.13	3.90E-03	6.14E-07	2.41E-07	4.20E-03	6.62E-07	2.04E-06	6.60E-03	1.04E-06	4.09E-07
1035	490211.24, 3859716.13	3.91E-03	6.16E-07	2.42E-07	4.21E-03	6.64E-07	2.04E-06	6.62E-03	1.04E-06	4.10E-07
1036	490061.24, 3859766.13	3.73E-03	5.87E-07	2.31E-07	4.02E-03	6.33E-07	1.95E-06	6.32E-03	9.95E-07	3.91E-07
1037	490111.24, 3859766.13	3.73E-03	5.87E-07	2.31E-07	4.02E-03	6.33E-07	1.95E-06	6.32E-03	9.96E-07	3.91E-07
1038	490161.24, 3859766.13	3.73E-03	5.88E-07	2.31E-07	4.02E-03	6.34E-07	1.95E-06	6.33E-03	9.97E-07	3.92E-07
1039	490211.24, 3859766.13	3.74E-03	5.89E-07	2.32E-07	4.03E-03	6.35E-07	1.96E-06	6.34E-03	9.99E-07	3.92E-07
1040	490061.24, 3859816.13	3.59E-03	5.65E-07	2.22E-07	3.87E-03	6.10E-07	1.88E-06	6.09E-03	9.59E-07	3.77E-07
1041	490111.24, 3859816.13	3.58E-03	5.65E-07	2.22E-07	3.86E-03	6.09E-07	1.88E-06	6.08E-03	9.58E-07	3.76E-07
1042	490161.24, 3859816.13	3.59E-03	5.65E-07	2.22E-07	3.87E-03	6.09E-07	1.88E-06	6.08E-03	9.58E-07	3.76E-07
1043	490211.24, 3859816.13	3.59E-03	5.65E-07	2.22E-07	3.87E-03	6.09E-07	1.88E-06	6.09E-03	9.59E-07	3.77E-07
1044	490061.24, 3859866.13	3.47E-03	5.46E-07	2.15E-07	3.74E-03	5.89E-07	1.81E-06	5.89E-03	9.27E-07	3.64E-07
1045	490111.24, 3859866.13	3.46E-03	5.45E-07	2.14E-07	3.73E-03	5.88E-07	1.81E-06	5.87E-03	9.25E-07	3.63E-07
1046	490161.24, 3859866.13	3.46E-03	5.44E-07	2.14E-07	3.73E-03	5.87E-07	1.81E-06	5.87E-03	9.24E-07	3.63E-07
1047	490211.24, 3859866.13	3.46E-03	5.44E-07	2.14E-07	3.73E-03	5.87E-07	1.81E-06	5.87E-03	9.24E-07	3.63E-07
1048	490061.24, 3859916.13	3.36E-03	5.29E-07	2.08E-07	3.62E-03	5.71E-07	1.76E-06	5.71E-03	8.99E-07	3.53E-07
1049	490111.24, 3859916.13	3.35E-03	5.28E-07	2.07E-07	3.61E-03	5.69E-07	1.75E-06	5.69E-03	8.96E-07	3.52E-07
1050	490161.24, 3859916.13	3.34E-03	5.26E-07	2.07E-07	3.60E-03	5.67E-07	1.75E-06	5.67E-03	8.94E-07	3.51E-07
1051	490211.24, 3859916.13	3.33E-03	5.25E-07	2.06E-07	3.60E-03	5.66E-07	1.74E-06	5.66E-03	8.92E-07	3.51E-07
1052	490229.25, 3859815.26	3.60E-03	5.66E-07	2.22E-07	3.88E-03	6.11E-07	1.88E-06	6.10E-03	9.61E-07	3.77E-07
1053	490279.25, 3859815.26	3.60E-03	5.67E-07	2.23E-07	3.88E-03	6.12E-07	1.88E-06	6.11E-03	9.62E-07	3.78E-07
1054	490329.25, 3859815.26	3.61E-03	5.68E-07	2.23E-07	3.89E-03	6.13E-07	1.89E-06	6.12E-03	9.64E-07	3.79E-07
1055	490379.25, 3859815.26	3.62E-03	5.71E-07	2.24E-07	3.91E-03	6.15E-07	1.90E-06	6.14E-03	9.68E-07	3.80E-07
1056	490429.25, 3859815.26	3.64E-03	5.74E-07	2.25E-07	3.93E-03	6.19E-07	1.91E-06	6.18E-03	9.73E-07	3.82E-07
1057	490229.25, 3859865.26	3.46E-03	5.45E-07	2.14E-07	3.73E-03	5.87E-07	1.81E-06	5.87E-03	9.25E-07	3.63E-07
1058	490279.25, 3859865.26	3.46E-03	5.45E-07	2.14E-07	3.73E-03	5.88E-07	1.81E-06	5.87E-03	9.25E-07	3.64E-07
1059	490329.25, 3859865.26	3.47E-03	5.46E-07	2.14E-07	3.74E-03	5.89E-07	1.81E-06	5.88E-03	9.26E-07	3.64E-07
1060	490379.25, 3859865.26	3.47E-03	5.47E-07	2.15E-07	3.75E-03	5.90E-07	1.82E-06	5.90E-03	9.29E-07	3.65E-07
1061	490429.25, 3859865.26	3.49E-03	5.49E-07	2.16E-07	3.76E-03	5.92E-07	1.82E-06	5.92E-03	9.32E-07	3.66E-07
1062	490229.25, 3859915.26	3.34E-03	5.26E-07	2.06E-07	3.60E-03	5.67E-07	1.75E-06	5.67E-03	8.93E-07	3.51E-07
1063	490279.25, 3859915.26	3.33E-03	5.25E-07	2.06E-07	3.59E-03	5.66E-07	1.74E-06	5.66E-03	8.92E-07	3.50E-07
1064	490329.25, 3859915.26	3.33E-03	5.25E-07	2.06E-07	3.60E-03	5.66E-07	1.74E-06	5.66E-03	8.92E-07	3.50E-07
1065	490379.25, 3859915.26	3.34E-03	5.26E-07	2.07E-07	3.60E-03	5.67E-07	1.75E-06	5.67E-03	8.93E-07	3.51E-07
1066	490429.25, 3859915.26	3.35E-03	5.27E-07	2.07E-07	3.61E-03	5.68E-07	1.75E-06	5.68E-03	8.95E-07	3.52E-07
1067	490451.43, 3859872.59	3.47E-03	5.47E-07	2.15E-07	3.74E-03	5.89E-07	1.82E-06	5.89E-03	9.28E-07	3.64E-07
1068	490501.43, 3859872.59	3.49E-03	5.49E-07	2.16E-07	3.76E-03	5.92E-07	1.82E-06	5.92E-03	9.32E-07	3.66E-07
1069	490551.43, 3859872.59	3.51E-03	5.53E-07	2.17E-07	3.79E-03	5.96E-07	1.84E-06	5.96E-03	9.39E-07	3.69E-07
1070	490601.43, 3859872.59	3.53E-03	5.57E-07	2.19E-07	3.81E-03	6.00E-07	1.85E-06	6.00E-03	9.45E-07	3.71E-07
1071	490451.43, 3859922.59	3.33E-03	5.25E-07	2.06E-07	3.59E-03	5.66E-07	1.74E-06	5.66E-03	8.91E-07	3.50E-07
1072	490501.43, 3859922.59	3.34E-03	5.27E-07	2.07E-07	3.60E-03	5.68E-07	1.75E-06	5.68E-03	8.94E-07	3.51E-07
1073	490551.43, 3859922.59	3.36E-03	5.30E-07	2.08E-07	3.62E-03	5.71E-07	1.76E-06	5.71E-03	8.99E-07	3.53E-07
1074	490601.43, 3859922.59	3.38E-03	5.33E-07	2.09E-07	3.65E-03	5.75E-07	1.77E-06	5.75E-03	9.05E-07	3.56E-07
1075	482129.67, 3852241.07	1.45E-03	2.28E-07	8.96E-08	1.56E-03	2.46E-07	7.56E-07	2.43E-03	3.83E-07	1.50E-07
1076	482029.67, 3852291.07	1.55E-03	2.44E-07	9.59E-08	1.67E-03	2.63E-07	8.10E-07	2.61E-03	4.11E-07	1.61E-07
1077	482079.67, 3852291.07	1.53E-03	2.41E-07	9.48E-08	1.65E-03	2.60E-07	8.00E-07	2.58E-03	4.06E-07	1.59E-07
1078	482129.67, 3852291.07	1.51E-03	2.38E-07	9.36E-08	1.63E-03	2.56E-07	7.90E-07	2.54E-03	4.00E-07	1.57E-07
1079	482179.67, 3852291.07	1.48E-03	2.33E-07	9.14E-08	1.59E-03	2.50E-07	7.71E-07	2.48E-03	3.90E-07	1.53E-07
1080	482229.67, 3852291.07	1.44E-03	2.27E-07	8.92E-08	1.55E-03	2.45E-07	7.53E-07	2.42E-03	3.82E-07	1.50E-07
1081	482029.67, 3852341.07	1.61E-03	2.53E-07	9.94E-08	1.73E-03	2.73E-07	8.39E-07	2.70E-03	4.26E-07	1.67E-07
1082	482079.67, 3852341.07	1.59E-03	2.50E-07	9.82E-08	1.71E-03	2.69E-07	8.29E-07	2.67E-03	4.20E-07	1.65E-07
1083	482129.67, 3852341.07	1.57E-03	2.47E-07	9.71E-08	1.69E-03	2.66E-07	8.19E-07	2.64E-03	4.15E-07	1.63E-07
1084	482179.67, 3852341.07	1.55E-03	2.44E-07	9.57E-08	1.67E-03	2.62E-07	8.08E-07	2.60E-03	4.09E-07	1.61E-07

1085	482259.06, 3852400.14	1.59E-03	2.51E-07	9.86E-08	1.72E-03	2.70E-07	8.32E-07	2.67E-03	4.21E-07	1.65E-07
1086	482309.06, 3852400.14	1.55E-03	2.45E-07	9.62E-08	1.67E-03	2.64E-07	8.12E-07	2.61E-03	4.11E-07	1.61E-07
1087	482209.06, 3852450.14	1.67E-03	2.63E-07	1.03E-07	1.80E-03	2.83E-07	8.72E-07	2.80E-03	4.41E-07	1.73E-07
1088	482259.06, 3852450.14	1.65E-03	2.60E-07	1.02E-07	1.78E-03	2.80E-07	8.62E-07	2.77E-03	4.36E-07	1.71E-07
1089	482309.06, 3852450.14	1.63E-03	2.57E-07	1.01E-07	1.75E-03	2.76E-07	8.51E-07	2.73E-03	4.30E-07	1.69E-07
1090	482209.06, 3852500.14	1.73E-03	2.73E-07	1.07E-07	1.86E-03	2.93E-07	9.04E-07	2.90E-03	4.57E-07	1.80E-07
1091	482259.06, 3852500.14	1.71E-03	2.70E-07	1.06E-07	1.84E-03	2.90E-07	8.94E-07	2.87E-03	4.52E-07	1.78E-07
1092	482309.06, 3852500.14	1.69E-03	2.66E-07	1.05E-07	1.82E-03	2.87E-07	8.83E-07	2.84E-03	4.47E-07	1.75E-07
1093	482283.91, 3852513.62	1.72E-03	2.71E-07	1.06E-07	1.85E-03	2.91E-07	8.98E-07	2.88E-03	4.54E-07	1.78E-07
1094	482333.91, 3852513.62	1.70E-03	2.68E-07	1.05E-07	1.83E-03	2.88E-07	8.88E-07	2.85E-03	4.49E-07	1.76E-07
1095	482283.91, 3852563.62	1.78E-03	2.81E-07	1.10E-07	1.92E-03	3.02E-07	9.31E-07	2.99E-03	4.71E-07	1.85E-07
1096	482333.91, 3852563.62	1.77E-03	2.78E-07	1.09E-07	1.90E-03	2.99E-07	9.22E-07	2.96E-03	4.66E-07	1.83E-07
1097	482383.91, 3852563.62	1.75E-03	2.76E-07	1.08E-07	1.88E-03	2.97E-07	9.15E-07	2.93E-03	4.62E-07	1.81E-07
1098	482283.91, 3852613.62	1.85E-03	2.91E-07	1.14E-07	1.99E-03	3.14E-07	9.66E-07	3.10E-03	4.89E-07	1.92E-07
1099	482333.91, 3852613.62	1.83E-03	2.89E-07	1.13E-07	1.97E-03	3.11E-07	9.57E-07	3.07E-03	4.83E-07	1.90E-07
1100	482383.91, 3852613.62	1.82E-03	2.86E-07	1.12E-07	1.96E-03	3.08E-07	9.49E-07	3.04E-03	4.79E-07	1.88E-07
1101	482602.38, 3852600.87	1.72E-03	2.72E-07	1.07E-07	1.86E-03	2.93E-07	9.01E-07	2.89E-03	4.56E-07	1.79E-07
1102	482652.38, 3852600.87	1.71E-03	2.70E-07	1.06E-07	1.84E-03	2.90E-07	8.94E-07	2.87E-03	4.52E-07	1.78E-07
1103	482702.38, 3852600.87	1.67E-03	2.63E-07	1.03E-07	1.80E-03	2.83E-07	8.72E-07	2.81E-03	4.42E-07	1.74E-07
1104	482552.38, 3852650.87	1.83E-03	2.88E-07	1.13E-07	1.97E-03	3.10E-07	9.55E-07	3.06E-03	4.83E-07	1.90E-07
1105	482602.38, 3852650.87	1.81E-03	2.85E-07	1.12E-07	1.94E-03	3.06E-07	9.43E-07	3.02E-03	4.76E-07	1.87E-07
1106	482652.38, 3852650.87	1.80E-03	2.83E-07	1.11E-07	1.93E-03	3.05E-07	9.38E-07	3.01E-03	4.74E-07	1.86E-07
1107	482702.38, 3852650.87	1.78E-03	2.81E-07	1.10E-07	1.92E-03	3.02E-07	9.31E-07	2.99E-03	4.71E-07	1.85E-07
1108	482552.38, 3852700.87	1.90E-03	2.99E-07	1.18E-07	2.05E-03	3.22E-07	9.92E-07	3.18E-03	5.01E-07	1.97E-07
1109	482602.38, 3852700.87	1.90E-03	2.99E-07	1.17E-07	2.04E-03	3.22E-07	9.90E-07	3.17E-03	5.00E-07	1.96E-07
1110	482652.38, 3852700.87	1.90E-03	2.99E-07	1.17E-07	2.04E-03	3.22E-07	9.91E-07	3.17E-03	5.00E-07	1.96E-07
1111	482702.38, 3852700.87	1.89E-03	2.97E-07	1.17E-07	2.03E-03	3.20E-07	9.85E-07	3.16E-03	4.97E-07	1.95E-07
1112	482452.38, 3852750.87	1.99E-03	3.14E-07	1.23E-07	2.15E-03	3.38E-07	1.04E-06	3.34E-03	5.26E-07	2.06E-07
1113	482521.29, 3852749.74	1.98E-03	3.12E-07	1.22E-07	2.13E-03	3.36E-07	1.03E-06	3.31E-03	5.22E-07	2.05E-07
1114	482571.29, 3852749.74	1.97E-03	3.11E-07	1.22E-07	2.12E-03	3.35E-07	1.03E-06	3.30E-03	5.20E-07	2.04E-07
1115	482521.29, 3852799.74	2.06E-03	3.24E-07	1.27E-07	2.21E-03	3.49E-07	1.07E-06	3.44E-03	5.42E-07	2.13E-07
1116	482571.29, 3852799.74	2.05E-03	3.23E-07	1.27E-07	2.21E-03	3.48E-07	1.07E-06	3.43E-03	5.41E-07	2.12E-07
1117	482621.29, 3852799.74	2.05E-03	3.23E-07	1.27E-07	2.21E-03	3.48E-07	1.07E-06	3.43E-03	5.40E-07	2.12E-07
1118	482571.29, 3852849.74	2.13E-03	3.36E-07	1.32E-07	2.30E-03	3.62E-07	1.11E-06	3.57E-03	5.62E-07	2.21E-07
1119	482621.29, 3852849.74	2.13E-03	3.36E-07	1.32E-07	2.30E-03	3.62E-07	1.11E-06	3.57E-03	5.62E-07	2.21E-07
1120	482577.42, 3852901.55	2.22E-03	3.50E-07	1.38E-07	2.39E-03	3.77E-07	1.16E-06	3.72E-03	5.86E-07	2.30E-07
1121	482627.42, 3852901.55	2.22E-03	3.50E-07	1.38E-07	2.39E-03	3.77E-07	1.16E-06	3.72E-03	5.86E-07	2.30E-07
1122	482629.96, 3852955.85	2.33E-03	3.67E-07	1.44E-07	2.51E-03	3.95E-07	1.22E-06	3.89E-03	6.13E-07	2.41E-07
1123	482679.96, 3852955.85	2.33E-03	3.67E-07	1.44E-07	2.51E-03	3.95E-07	1.22E-06	3.89E-03	6.13E-07	2.41E-07
1124	482781.63, 3853034.48	2.48E-03	3.91E-07	1.53E-07	2.67E-03	4.20E-07	1.29E-06	4.14E-03	6.52E-07	2.56E-07
1125	482831.63, 3853034.48	2.45E-03	3.86E-07	1.51E-07	2.63E-03	4.15E-07	1.28E-06	4.09E-03	6.44E-07	2.53E-07
1126	482881.63, 3853034.48	2.41E-03	3.80E-07	1.49E-07	2.60E-03	4.09E-07	1.26E-06	4.03E-03	6.35E-07	2.49E-07
1127	482781.63, 3853084.48	2.61E-03	4.11E-07	1.61E-07	2.81E-03	4.42E-07	1.36E-06	4.35E-03	6.85E-07	2.69E-07
1128	482831.63, 3853084.48	2.58E-03	4.06E-07	1.59E-07	2.77E-03	4.36E-07	1.34E-06	4.29E-03	6.77E-07	2.66E-07
1129	482881.63, 3853084.48	2.54E-03	4.00E-07	1.57E-07	2.73E-03	4.30E-07	1.32E-06	4.23E-03	6.67E-07	2.62E-07
1130	482781.63, 3853134.48	2.75E-03	4.34E-07	1.70E-07	2.96E-03	4.66E-07	1.44E-06	4.58E-03	7.21E-07	2.83E-07
1131	482831.63, 3853134.48	2.72E-03	4.28E-07	1.68E-07	2.93E-03	4.61E-07	1.42E-06	4.53E-03	7.13E-07	2.80E-07
1132	482881.63, 3853134.48	2.68E-03	4.22E-07	1.66E-07	2.88E-03	4.54E-07	1.40E-06	4.46E-03	7.03E-07	2.76E-07
1133	482831.63, 3853184.48	2.88E-03	4.54E-07	1.78E-07	3.10E-03	4.88E-07	1.50E-06	4.78E-03	7.53E-07	2.96E-07
1134	482881.63, 3853184.48	2.84E-03	4.47E-07	1.76E-07	3.05E-03	4.81E-07	1.48E-06	4.72E-03	7.43E-07	2.92E-07
1135	484154.84, 3854250.98	9.56E-03	1.51E-06	5.92E-07	1.04E-02	1.63E-06	5.03E-06	1.71E-02	2.70E-06	1.06E-06
1136	484204.84, 3854250.98	9.29E-03	1.46E-06	5.75E-07	1.01E-02	1.59E-06	4.89E-06	1.66E-02	2.61E-06	1.03E-06
1137	484154.84, 3854300.98	9.91E-03	1.56E-06	6.14E-07	1.08E-02	1.69E-06	5.22E-06	1.77E-02	2.79E-06	1.10E-06
1138	484204.84, 3854300.98	9.75E-03	1.54E-06	6.03E-07	1.06E-02	1.67E-06	5.13E-06	1.74E-02	2.74E-06	1.08E-06
1139	484074.19, 3854519.8	1.47E-02	2.32E-06	9.10E-07	1.59E-02	2.51E-06	7.72E-06	2.58E-02	4.07E-06	1.60E-06
1140	484124.19, 3854519.8	1.40E-02	2.20E-06	8.64E-07	1.51E-02	2.38E-06	7.33E-06	2.45E-02	3.86E-06	1.52E-06
1141	484074.19, 3854569.8	1.63E-02	2.57E-06	1.01E-06	1.76E-02	2.78E-06	8.55E-06	2.84E-02	4.48E-06	1.76E-06
1142	484124.19, 3854569.8	1.53E-02	2.41E-06	9.46E-07	1.65E-02	2.61E-06	8.02E-06	2.67E-02	4.20E-06	1.65E-06
1143	485205.11, 3855188.89	2.66E-02	4.19E-06	1.65E-06	2.86E-02	4.51E-06	1.39E-05	4.46E-02	7.03E-06	2.76E-06
1144	485255.11, 3855188.89	2.51E-02	3.96E-06	1.55E-06	2.70E-02	4.26E-06	1.31E-05	4.22E-02	6.64E-06	2.61E-06
1145	485205.11, 3855238.89	2.77E-02	4.36E-06	1.71E-06	2.98E-02	4.70E-06	1.45E-05	4.64E-02	7.31E-06	2.87E-06
1146	485255.11, 3855238.89	2.67E-02	4.21E-06	1.65E-06	2.88E-02	4.53E-06	1.40E-05	4.49E-02	7.07E-06	2.78E-06
1147	485205.11, 3855288.89	3.10E-02	4.88E-06	1.92E-06	3.33E-02	5.25E-06	1.62E-05	5.19E-02	8.18E-06	3.21E-06
1148	485255.11, 3855288.89	2.94E-02	4.63E-06	1.82E-06	3.17E-02	4.99E-06	1.54E-05	4.94E-02	7.78E-06	3.06E-06

1149	485255.11, 3855338.89	3.24E-02	5.10E-06	2.01E-06	3.49E-02	5.50E-06	1.69E-05	5.45E-02	8.58E-06	3.37E-06
1150	485305.11, 3855338.89	3.06E-02	4.83E-06	1.90E-06	3.30E-02	5.20E-06	1.60E-05	5.15E-02	8.12E-06	3.19E-06
1151	485852.5, 3855635.28	2.95E-02	4.65E-06	1.83E-06	3.18E-02	5.01E-06	1.54E-05	5.02E-02	7.91E-06	3.11E-06
1152	485902.5, 3855635.28	2.81E-02	4.43E-06	1.74E-06	3.03E-02	4.77E-06	1.47E-05	4.78E-02	7.53E-06	2.96E-06
1153	485852.5, 3855685.28	3.10E-02	4.89E-06	1.92E-06	3.35E-02	5.27E-06	1.62E-05	5.29E-02	8.33E-06	3.27E-06
1154	485902.5, 3855685.28	2.95E-02	4.65E-06	1.83E-06	3.18E-02	5.01E-06	1.54E-05	5.03E-02	7.92E-06	3.11E-06
1155	485852.5, 3855735.28	3.27E-02	5.15E-06	2.02E-06	3.53E-02	5.56E-06	1.71E-05	5.58E-02	8.79E-06	3.45E-06
1156	485902.5, 3855735.28	3.13E-02	4.93E-06	1.94E-06	3.38E-02	5.32E-06	1.64E-05	5.34E-02	8.41E-06	3.31E-06
1157	485852.5, 3855785.28	3.48E-02	5.49E-06	2.16E-06	3.76E-02	5.92E-06	1.82E-05	5.95E-02	9.38E-06	3.68E-06
1158	485902.5, 3855785.28	3.28E-02	5.17E-06	2.03E-06	3.54E-02	5.58E-06	1.72E-05	5.61E-02	8.84E-06	3.47E-06
1159	486809.46, 3856465.28	3.30E-02	5.20E-06	2.04E-06	3.57E-02	5.62E-06	1.73E-05	5.70E-02	8.98E-06	3.53E-06
1160	486859.46, 3856465.28	3.24E-02	5.10E-06	2.00E-06	3.50E-02	5.51E-06	1.70E-05	5.59E-02	8.80E-06	3.46E-06
1161	486909.46, 3856465.28	3.16E-02	4.98E-06	1.96E-06	3.42E-02	5.38E-06	1.66E-05	5.46E-02	8.60E-06	3.38E-06
1162	486809.46, 3856515.28	3.46E-02	5.45E-06	2.14E-06	3.74E-02	5.89E-06	1.81E-05	5.98E-02	9.41E-06	3.70E-06
1163	486859.46, 3856515.28	3.40E-02	5.35E-06	2.10E-06	3.67E-02	5.78E-06	1.78E-05	5.87E-02	9.24E-06	3.63E-06
1164	486909.46, 3856515.28	3.32E-02	5.23E-06	2.06E-06	3.59E-02	5.65E-06	1.74E-05	5.74E-02	9.04E-06	3.55E-06
1165	486980.94, 3856357.95	2.81E-02	4.42E-06	1.74E-06	3.03E-02	4.78E-06	1.47E-05	4.84E-02	7.63E-06	3.00E-06
1166	487030.94, 3856357.95	2.76E-02	4.34E-06	1.71E-06	2.98E-02	4.69E-06	1.44E-05	4.75E-02	7.49E-06	2.94E-06
1167	486980.94, 3856407.95	2.93E-02	4.62E-06	1.81E-06	3.17E-02	4.99E-06	1.54E-05	5.06E-02	7.97E-06	3.13E-06
1168	487030.94, 3856407.95	2.87E-02	4.53E-06	1.78E-06	3.10E-02	4.89E-06	1.51E-05	4.96E-02	7.81E-06	3.07E-06
1169	487447.18, 3856437.45	2.54E-02	4.00E-06	1.57E-06	2.74E-02	4.32E-06	1.33E-05	4.38E-02	6.90E-06	2.71E-06
1170	487497.18, 3856437.45	2.50E-02	3.93E-06	1.55E-06	2.70E-02	4.25E-06	1.31E-05	4.31E-02	6.79E-06	2.67E-06
1171	487547.18, 3856437.45	2.46E-02	3.88E-06	1.52E-06	2.66E-02	4.19E-06	1.29E-05	4.24E-02	6.68E-06	2.63E-06
1172	487447.18, 3856487.45	2.63E-02	4.15E-06	1.63E-06	2.84E-02	4.48E-06	1.38E-05	4.54E-02	7.15E-06	2.81E-06
1173	487497.18, 3856487.45	2.59E-02	4.07E-06	1.60E-06	2.79E-02	4.40E-06	1.36E-05	4.46E-02	7.03E-06	2.76E-06
1174	487547.18, 3856487.45	2.55E-02	4.01E-06	1.58E-06	2.75E-02	4.33E-06	1.33E-05	4.39E-02	6.92E-06	2.72E-06
1175	487447.18, 3856537.45	2.73E-02	4.30E-06	1.69E-06	2.95E-02	4.64E-06	1.43E-05	4.71E-02	7.42E-06	2.91E-06
1176	487497.18, 3856537.45	2.68E-02	4.22E-06	1.66E-06	2.89E-02	4.56E-06	1.40E-05	4.62E-02	7.28E-06	2.86E-06
1177	487547.18, 3856537.45	2.64E-02	4.15E-06	1.63E-06	2.85E-02	4.49E-06	1.38E-05	4.55E-02	7.17E-06	2.82E-06
1178	489285.89, 3858826.54	1.20E-02	1.89E-06	7.44E-07	1.29E-02	2.03E-06	6.24E-06	1.91E-02	3.00E-06	1.18E-06
1179	489335.89, 3858826.54	1.17E-02	1.85E-06	7.25E-07	1.25E-02	1.98E-06	6.08E-06	1.87E-02	2.95E-06	1.16E-06
1180	489385.89, 3858826.54	1.14E-02	1.80E-06	7.08E-07	1.23E-02	1.93E-06	5.95E-06	1.84E-02	2.90E-06	1.14E-06
1181	489435.89, 3858826.54	1.12E-02	1.76E-06	6.93E-07	1.20E-02	1.89E-06	5.83E-06	1.81E-02	2.86E-06	1.12E-06
1182	489485.89, 3858826.54	1.10E-02	1.73E-06	6.80E-07	1.18E-02	1.86E-06	5.71E-06	1.79E-02	2.81E-06	1.11E-06
1183	489535.89, 3858826.54	1.08E-02	1.70E-06	6.67E-07	1.16E-02	1.82E-06	5.61E-06	1.76E-02	2.77E-06	1.09E-06
1184	489585.89, 3858826.54	1.06E-02	1.67E-06	6.55E-07	1.14E-02	1.79E-06	5.52E-06	1.74E-02	2.74E-06	1.08E-06
1185	489635.89, 3858826.54	1.04E-02	1.64E-06	6.45E-07	1.12E-02	1.76E-06	5.43E-06	1.72E-02	2.70E-06	1.06E-06
1186	489685.89, 3858826.54	1.02E-02	1.61E-06	6.34E-07	1.10E-02	1.74E-06	5.34E-06	1.69E-02	2.67E-06	1.05E-06
1187	489735.89, 3858826.54	1.01E-02	1.59E-06	6.25E-07	1.09E-02	1.71E-06	5.27E-06	1.67E-02	2.63E-06	1.04E-06
1188	489785.89, 3858826.54	9.94E-03	1.57E-06	6.15E-07	1.07E-02	1.68E-06	5.19E-06	1.65E-02	2.60E-06	1.02E-06
1189	489835.89, 3858826.54	9.80E-03	1.54E-06	6.07E-07	1.05E-02	1.66E-06	5.12E-06	1.63E-02	2.57E-06	1.01E-06
1190	489885.89, 3858826.54	9.67E-03	1.52E-06	5.98E-07	1.04E-02	1.64E-06	5.05E-06	1.61E-02	2.54E-06	9.98E-07
1191	489935.89, 3858826.54	9.53E-03	1.50E-06	5.90E-07	1.03E-02	1.62E-06	4.98E-06	1.59E-02	2.51E-06	9.86E-07
1192	489985.89, 3858826.54	9.41E-03	1.48E-06	5.82E-07	1.01E-02	1.60E-06	4.91E-06	1.58E-02	2.48E-06	9.75E-07
1193	490035.89, 3858826.54	9.29E-03	1.46E-06	5.75E-07	1.00E-02	1.58E-06	4.85E-06	1.56E-02	2.45E-06	9.64E-07
1194	489285.89, 3858876.54	1.12E-02	1.77E-06	6.96E-07	1.20E-02	1.89E-06	5.84E-06	1.78E-02	2.81E-06	1.10E-06
1195	489335.89, 3858876.54	1.10E-02	1.73E-06	6.79E-07	1.17E-02	1.85E-06	5.70E-06	1.75E-02	2.76E-06	1.09E-06
1196	489385.89, 3858876.54	1.07E-02	1.69E-06	6.65E-07	1.15E-02	1.81E-06	5.58E-06	1.73E-02	2.72E-06	1.07E-06
1197	489435.89, 3858876.54	1.05E-02	1.66E-06	6.52E-07	1.13E-02	1.78E-06	5.48E-06	1.70E-02	2.68E-06	1.05E-06
1198	489485.89, 3858876.54	1.03E-02	1.63E-06	6.40E-07	1.11E-02	1.75E-06	5.38E-06	1.68E-02	2.65E-06	1.04E-06
1199	489535.89, 3858876.54	1.02E-02	1.60E-06	6.29E-07	1.09E-02	1.72E-06	5.29E-06	1.66E-02	2.62E-06	1.03E-06
1200	489585.89, 3858876.54	1.00E-02	1.58E-06	6.19E-07	1.07E-02	1.69E-06	5.21E-06	1.64E-02	2.58E-06	1.02E-06
1201	489635.89, 3858876.54	9.86E-03	1.55E-06	6.10E-07	1.06E-02	1.67E-06	5.14E-06	1.62E-02	2.55E-06	1.00E-06
1202	489685.89, 3858876.54	9.71E-03	1.53E-06	6.01E-07	1.04E-02	1.64E-06	5.06E-06	1.60E-02	2.53E-06	9.92E-07
1203	489735.89, 3858876.54	9.58E-03	1.51E-06	5.93E-07	1.03E-02	1.62E-06	5.00E-06	1.59E-02	2.50E-06	9.82E-07
1204	489785.89, 3858876.54	9.45E-03	1.49E-06	5.85E-07	1.02E-02	1.60E-06	4.93E-06	1.57E-02	2.47E-06	9.71E-07
1205	489835.89, 3858876.54	9.33E-03	1.47E-06	5.77E-07	1.00E-02	1.58E-06	4.87E-06	1.55E-02	2.44E-06	9.60E-07
1206	489885.89, 3858876.54	9.21E-03	1.45E-06	5.70E-07	9.90E-03	1.56E-06	4.80E-06	1.53E-02	2.42E-06	9.50E-07
1207	489935.89, 3858876.54	9.09E-03	1.43E-06	5.63E-07	9.78E-03	1.54E-06	4.75E-06	1.52E-02	2.39E-06	9.40E-07
1208	489985.89, 3858876.54	8.98E-03	1.41E-06	5.56E-07	9.67E-03	1.52E-06	4.69E-06	1.50E-02	2.37E-06	9.30E-07
1209	490035.89, 3858876.54	8.88E-03	1.40E-06	5.49E-07	9.55E-03	1.51E-06	4.64E-06	1.49E-02	2.34E-06	9.21E-07
1210	489285.89, 3858926.54	1.04E-02	1.64E-06	6.44E-07	1.11E-02	1.75E-06	5.40E-06	1.65E-02	2.60E-06	1.02E-06
1211	489335.89, 3858926.54	1.02E-02	1.61E-06	6.31E-07	1.09E-02	1.72E-06	5.30E-06	1.63E-02	2.57E-06	1.01E-06
1212	489385.89, 3858926.54	1.00E-02	1.58E-06	6.20E-07	1.07E-02	1.69E-06	5.21E-06	1.61E-02	2.54E-06	9.99E-07

1213	489435.89, 3858926.54	9.85E-03	1.55E-06	6.10E-07	1.06E-02	1.66E-06	5.12E-06	1.60E-02	2.51E-06	9.87E-07
1214	489485.89, 3858926.54	9.70E-03	1.53E-06	6.00E-07	1.04E-02	1.64E-06	5.05E-06	1.58E-02	2.49E-06	9.77E-07
1215	489535.89, 3858926.54	9.56E-03	1.51E-06	5.91E-07	1.03E-02	1.62E-06	4.98E-06	1.56E-02	2.46E-06	9.67E-07
1216	489585.89, 3858926.54	9.43E-03	1.48E-06	5.83E-07	1.01E-02	1.59E-06	4.91E-06	1.55E-02	2.44E-06	9.57E-07
1217	489635.89, 3858926.54	9.30E-03	1.47E-06	5.76E-07	9.99E-03	1.57E-06	4.85E-06	1.53E-02	2.41E-06	9.47E-07
1218	489685.89, 3858926.54	9.19E-03	1.45E-06	5.68E-07	9.87E-03	1.55E-06	4.79E-06	1.52E-02	2.39E-06	9.39E-07
1219	489735.89, 3858926.54	9.07E-03	1.43E-06	5.61E-07	9.75E-03	1.54E-06	4.73E-06	1.50E-02	2.37E-06	9.29E-07
1220	489785.89, 3858926.54	8.96E-03	1.41E-06	5.55E-07	9.64E-03	1.52E-06	4.68E-06	1.49E-02	2.34E-06	9.20E-07
1221	489835.89, 3858926.54	8.86E-03	1.40E-06	5.48E-07	9.53E-03	1.50E-06	4.62E-06	1.47E-02	2.32E-06	9.12E-07
1222	489885.89, 3858926.54	8.76E-03	1.38E-06	5.42E-07	9.42E-03	1.48E-06	4.57E-06	1.46E-02	2.30E-06	9.03E-07
1223	489935.89, 3858926.54	8.66E-03	1.36E-06	5.36E-07	9.32E-03	1.47E-06	4.52E-06	1.45E-02	2.28E-06	8.95E-07
1224	489985.89, 3858926.54	8.56E-03	1.35E-06	5.30E-07	9.22E-03	1.45E-06	4.47E-06	1.43E-02	2.26E-06	8.87E-07
1225	490035.89, 3858926.54	8.47E-03	1.33E-06	5.24E-07	9.12E-03	1.44E-06	4.43E-06	1.42E-02	2.24E-06	8.79E-07
1226	489335.89, 3858976.54	9.41E-03	1.48E-06	5.83E-07	1.01E-02	1.59E-06	4.89E-06	1.51E-02	2.39E-06	9.38E-07
1227	489385.89, 3858976.54	9.29E-03	1.46E-06	5.75E-07	9.96E-03	1.57E-06	4.83E-06	1.50E-02	2.37E-06	9.30E-07
1228	489435.89, 3858976.54	9.17E-03	1.45E-06	5.68E-07	9.84E-03	1.55E-06	4.77E-06	1.49E-02	2.35E-06	9.22E-07
1229	489485.89, 3858976.54	9.06E-03	1.43E-06	5.61E-07	9.73E-03	1.53E-06	4.72E-06	1.48E-02	2.33E-06	9.15E-07
1230	489535.89, 3858976.54	8.96E-03	1.41E-06	5.55E-07	9.62E-03	1.52E-06	4.67E-06	1.47E-02	2.31E-06	9.08E-07
1231	489585.89, 3858976.54	8.86E-03	1.40E-06	5.48E-07	9.51E-03	1.50E-06	4.62E-06	1.46E-02	2.29E-06	9.01E-07
1232	489635.89, 3858976.54	8.76E-03	1.38E-06	5.42E-07	9.41E-03	1.48E-06	4.57E-06	1.44E-02	2.27E-06	8.93E-07
1233	489685.89, 3858976.54	8.67E-03	1.37E-06	5.37E-07	9.32E-03	1.47E-06	4.52E-06	1.43E-02	2.26E-06	8.87E-07
1234	489735.89, 3858976.54	8.58E-03	1.35E-06	5.31E-07	9.22E-03	1.45E-06	4.47E-06	1.42E-02	2.24E-06	8.79E-07
1235	489785.89, 3858976.54	8.49E-03	1.34E-06	5.25E-07	9.13E-03	1.44E-06	4.43E-06	1.41E-02	2.22E-06	8.72E-07
1236	489835.89, 3858976.54	8.40E-03	1.32E-06	5.20E-07	9.03E-03	1.42E-06	4.38E-06	1.40E-02	2.20E-06	8.65E-07
1237	489885.89, 3858976.54	8.32E-03	1.31E-06	5.15E-07	8.95E-03	1.41E-06	4.34E-06	1.39E-02	2.18E-06	8.58E-07
1238	489935.89, 3858976.54	8.24E-03	1.30E-06	5.10E-07	8.87E-03	1.40E-06	4.30E-06	1.38E-02	2.17E-06	8.52E-07
1239	489985.89, 3858976.54	8.16E-03	1.29E-06	5.05E-07	8.78E-03	1.38E-06	4.26E-06	1.36E-02	2.15E-06	8.45E-07
1240	490035.89, 3858976.54	8.09E-03	1.27E-06	5.00E-07	8.71E-03	1.37E-06	4.22E-06	1.36E-02	2.14E-06	8.40E-07
1241	489385.89, 3859026.54	8.60E-03	1.35E-06	5.32E-07	9.22E-03	1.45E-06	4.47E-06	1.40E-02	2.20E-06	8.65E-07
1242	489435.89, 3859026.54	8.53E-03	1.34E-06	5.28E-07	9.15E-03	1.44E-06	4.44E-06	1.39E-02	2.19E-06	8.61E-07
1243	489485.89, 3859026.54	8.46E-03	1.33E-06	5.23E-07	9.08E-03	1.43E-06	4.40E-06	1.38E-02	2.18E-06	8.57E-07
1244	489535.89, 3859026.54	8.38E-03	1.32E-06	5.19E-07	9.00E-03	1.42E-06	4.37E-06	1.38E-02	2.17E-06	8.52E-07
1245	489585.89, 3859026.54	8.31E-03	1.31E-06	5.15E-07	8.93E-03	1.41E-06	4.33E-06	1.37E-02	2.16E-06	8.47E-07
1246	489635.89, 3859026.54	8.24E-03	1.30E-06	5.10E-07	8.86E-03	1.40E-06	4.30E-06	1.36E-02	2.14E-06	8.42E-07
1247	489685.89, 3859026.54	8.17E-03	1.29E-06	5.06E-07	8.78E-03	1.38E-06	4.26E-06	1.35E-02	2.13E-06	8.37E-07
1248	489735.89, 3859026.54	8.10E-03	1.28E-06	5.01E-07	8.71E-03	1.37E-06	4.23E-06	1.34E-02	2.12E-06	8.31E-07
1249	489785.89, 3859026.54	8.03E-03	1.26E-06	4.97E-07	8.63E-03	1.36E-06	4.19E-06	1.33E-02	2.10E-06	8.26E-07
1250	489835.89, 3859026.54	7.96E-03	1.25E-06	4.93E-07	8.57E-03	1.35E-06	4.16E-06	1.33E-02	2.09E-06	8.21E-07
1251	489885.89, 3859026.54	7.90E-03	1.24E-06	4.89E-07	8.50E-03	1.34E-06	4.12E-06	1.32E-02	2.08E-06	8.15E-07
1252	489935.89, 3859026.54	7.83E-03	1.23E-06	4.85E-07	8.43E-03	1.33E-06	4.09E-06	1.31E-02	2.06E-06	8.10E-07
1253	489985.89, 3859026.54	7.77E-03	1.22E-06	4.81E-07	8.36E-03	1.32E-06	4.06E-06	1.30E-02	2.05E-06	8.05E-07
1254	490035.89, 3859026.54	7.71E-03	1.21E-06	4.77E-07	8.30E-03	1.31E-06	4.03E-06	1.29E-02	2.04E-06	8.01E-07
1255	489485.89, 3859076.54	7.88E-03	1.24E-06	4.88E-07	8.46E-03	1.33E-06	4.11E-06	1.29E-02	2.04E-06	8.01E-07
1256	489535.89, 3859076.54	7.84E-03	1.23E-06	4.85E-07	8.42E-03	1.33E-06	4.09E-06	1.29E-02	2.03E-06	7.99E-07
1257	489585.89, 3859076.54	7.79E-03	1.23E-06	4.82E-07	8.37E-03	1.32E-06	4.06E-06	1.29E-02	2.03E-06	7.96E-07
1258	489635.89, 3859076.54	7.74E-03	1.22E-06	4.79E-07	8.32E-03	1.31E-06	4.04E-06	1.28E-02	2.02E-06	7.93E-07
1259	489685.89, 3859076.54	7.69E-03	1.21E-06	4.76E-07	8.27E-03	1.30E-06	4.01E-06	1.28E-02	2.01E-06	7.89E-07
1260	489735.89, 3859076.54	7.64E-03	1.20E-06	4.73E-07	8.22E-03	1.29E-06	3.99E-06	1.27E-02	2.00E-06	7.86E-07
1261	489785.89, 3859076.54	7.59E-03	1.20E-06	4.70E-07	8.16E-03	1.29E-06	3.96E-06	1.26E-02	1.99E-06	7.82E-07
1262	489835.89, 3859076.54	7.54E-03	1.19E-06	4.67E-07	8.11E-03	1.28E-06	3.94E-06	1.26E-02	1.98E-06	7.78E-07
1263	489885.89, 3859076.54	7.49E-03	1.18E-06	4.64E-07	8.06E-03	1.27E-06	3.91E-06	1.25E-02	1.97E-06	7.74E-07
1264	489935.89, 3859076.54	7.44E-03	1.17E-06	4.60E-07	8.01E-03	1.26E-06	3.88E-06	1.24E-02	1.96E-06	7.70E-07
1265	489985.89, 3859076.54	7.39E-03	1.16E-06	4.57E-07	7.95E-03	1.25E-06	3.86E-06	1.24E-02	1.95E-06	7.66E-07
1266	490035.89, 3859076.54	7.35E-03	1.16E-06	4.55E-07	7.91E-03	1.25E-06	3.84E-06	1.23E-02	1.94E-06	7.63E-07
1267	489585.89, 3859126.54	7.30E-03	1.15E-06	4.52E-07	7.85E-03	1.24E-06	3.81E-06	1.21E-02	1.90E-06	7.48E-07
1268	489635.89, 3859126.54	7.27E-03	1.15E-06	4.50E-07	7.82E-03	1.23E-06	3.79E-06	1.21E-02	1.90E-06	7.46E-07
1269	489685.89, 3859126.54	7.24E-03	1.14E-06	4.48E-07	7.79E-03	1.23E-06	3.78E-06	1.20E-02	1.90E-06	7.45E-07
1270	489735.89, 3859126.54	7.21E-03	1.14E-06	4.46E-07	7.75E-03	1.22E-06	3.76E-06	1.20E-02	1.89E-06	7.42E-07
1271	489785.89, 3859126.54	7.17E-03	1.13E-06	4.44E-07	7.72E-03	1.22E-06	3.74E-06	1.20E-02	1.88E-06	7.40E-07
1272	489835.89, 3859126.54	7.14E-03	1.12E-06	4.42E-07	7.68E-03	1.21E-06	3.73E-06	1.19E-02	1.88E-06	7.37E-07
1273	489885.89, 3859126.54	7.10E-03	1.12E-06	4.40E-07	7.64E-03	1.20E-06	3.71E-06	1.19E-02	1.87E-06	7.35E-07
1274	489935.89, 3859126.54	7.06E-03	1.11E-06	4.37E-07	7.60E-03	1.20E-06	3.69E-06	1.18E-02	1.86E-06	7.32E-07
1275	489985.89, 3859126.54	7.03E-03	1.11E-06	4.35E-07	7.57E-03	1.19E-06	3.67E-06	1.18E-02	1.86E-06	7.30E-07
1276	490035.89, 3859126.54	6.99E-03	1.10E-06	4.33E-07	7.53E-03	1.19E-06	3.65E-06	1.17E-02	1.85E-06	7.27E-07

1277	489585.89, 3859176.54	6.84E-03	1.08E-06	4.23E-07	7.36E-03	1.16E-06	3.57E-06	1.14E-02	1.79E-06	7.03E-07
1278	489635.89, 3859176.54	6.83E-03	1.08E-06	4.23E-07	7.35E-03	1.16E-06	3.56E-06	1.14E-02	1.79E-06	7.03E-07
1279	489685.89, 3859176.54	6.81E-03	1.07E-06	4.22E-07	7.33E-03	1.15E-06	3.56E-06	1.13E-02	1.79E-06	7.02E-07
1280	489735.89, 3859176.54	6.80E-03	1.07E-06	4.21E-07	7.31E-03	1.15E-06	3.55E-06	1.13E-02	1.78E-06	7.01E-07
1281	489785.89, 3859176.54	6.78E-03	1.07E-06	4.19E-07	7.29E-03	1.15E-06	3.54E-06	1.13E-02	1.78E-06	7.00E-07
1282	489835.89, 3859176.54	6.75E-03	1.06E-06	4.18E-07	7.27E-03	1.15E-06	3.53E-06	1.13E-02	1.78E-06	6.99E-07
1283	489885.89, 3859176.54	6.73E-03	1.06E-06	4.17E-07	7.25E-03	1.14E-06	3.52E-06	1.13E-02	1.78E-06	6.97E-07
1284	489935.89, 3859176.54	6.70E-03	1.06E-06	4.15E-07	7.22E-03	1.14E-06	3.50E-06	1.12E-02	1.77E-06	6.95E-07
1285	489985.89, 3859176.54	6.68E-03	1.05E-06	4.14E-07	7.20E-03	1.13E-06	3.49E-06	1.12E-02	1.77E-06	6.94E-07
1286	490035.89, 3859176.54	6.65E-03	1.05E-06	4.12E-07	7.16E-03	1.13E-06	3.48E-06	1.12E-02	1.76E-06	6.92E-07
1287	489685.89, 3859226.54	6.42E-03	1.01E-06	3.97E-07	6.90E-03	1.09E-06	3.35E-06	1.07E-02	1.69E-06	6.62E-07
1288	489735.89, 3859226.54	6.41E-03	1.01E-06	3.97E-07	6.90E-03	1.09E-06	3.35E-06	1.07E-02	1.69E-06	6.62E-07
1289	489785.89, 3859226.54	6.40E-03	1.01E-06	3.96E-07	6.89E-03	1.09E-06	3.34E-06	1.07E-02	1.69E-06	6.62E-07
1290	489835.89, 3859226.54	6.39E-03	1.01E-06	3.96E-07	6.88E-03	1.08E-06	3.34E-06	1.07E-02	1.69E-06	6.62E-07
1291	489885.89, 3859226.54	6.38E-03	1.01E-06	3.95E-07	6.87E-03	1.08E-06	3.33E-06	1.07E-02	1.68E-06	6.62E-07
1292	489935.89, 3859226.54	6.37E-03	1.00E-06	3.94E-07	6.85E-03	1.08E-06	3.33E-06	1.07E-02	1.68E-06	6.61E-07
1293	489985.89, 3859226.54	6.35E-03	1.00E-06	3.93E-07	6.84E-03	1.08E-06	3.32E-06	1.07E-02	1.68E-06	6.61E-07
1294	490035.89, 3859226.54	6.33E-03	9.97E-07	3.92E-07	6.82E-03	1.07E-06	3.31E-06	1.07E-02	1.68E-06	6.59E-07
1295	489735.89, 3859276.54	6.04E-03	9.52E-07	3.74E-07	6.51E-03	1.02E-06	3.16E-06	1.01E-02	1.59E-06	6.26E-07
1296	489785.89, 3859276.54	6.05E-03	9.53E-07	3.74E-07	6.51E-03	1.03E-06	3.16E-06	1.01E-02	1.59E-06	6.26E-07
1297	489835.89, 3859276.54	6.05E-03	9.53E-07	3.74E-07	6.51E-03	1.03E-06	3.16E-06	1.01E-02	1.60E-06	6.28E-07
1298	489885.89, 3859276.54	6.05E-03	9.53E-07	3.74E-07	6.51E-03	1.03E-06	3.16E-06	1.01E-02	1.60E-06	6.28E-07
1299	489935.89, 3859276.54	6.04E-03	9.52E-07	3.74E-07	6.51E-03	1.03E-06	3.16E-06	1.02E-02	1.60E-06	6.28E-07
1300	489985.89, 3859276.54	6.04E-03	9.52E-07	3.74E-07	6.51E-03	1.03E-06	3.16E-06	1.02E-02	1.60E-06	6.29E-07
1301	490035.89, 3859276.54	6.02E-03	9.49E-07	3.73E-07	6.49E-03	1.02E-06	3.15E-06	1.01E-02	1.60E-06	6.28E-07
1302	490458.06, 3859590.74	4.48E-03	7.06E-07	2.77E-07	4.83E-03	7.61E-07	2.34E-06	7.60E-03	1.20E-06	4.70E-07
1303	490508.06, 3859590.74	4.49E-03	7.08E-07	2.78E-07	4.85E-03	7.63E-07	2.35E-06	7.62E-03	1.20E-06	4.72E-07
1304	490558.06, 3859590.74	4.50E-03	7.09E-07	2.79E-07	4.85E-03	7.65E-07	2.36E-06	7.64E-03	1.20E-06	4.73E-07
1305	490608.06, 3859590.74	4.51E-03	7.10E-07	2.79E-07	4.86E-03	7.66E-07	2.36E-06	7.66E-03	1.21E-06	4.74E-07
1306	490658.06, 3859590.74	4.51E-03	7.10E-07	2.79E-07	4.86E-03	7.66E-07	2.36E-06	7.67E-03	1.21E-06	4.75E-07
1307	490708.06, 3859590.74	4.51E-03	7.10E-07	2.79E-07	4.86E-03	7.66E-07	2.36E-06	7.67E-03	1.21E-06	4.75E-07
1308	490758.06, 3859590.74	4.51E-03	7.10E-07	2.79E-07	4.86E-03	7.66E-07	2.36E-06	7.67E-03	1.21E-06	4.75E-07
1309	490808.06, 3859590.74	4.50E-03	7.09E-07	2.78E-07	4.85E-03	7.65E-07	2.35E-06	7.67E-03	1.21E-06	4.75E-07
1310	490858.06, 3859590.74	4.49E-03	7.07E-07	2.78E-07	4.84E-03	7.63E-07	2.35E-06	7.66E-03	1.21E-06	4.74E-07
1311	490458.06, 3859640.74	4.28E-03	6.75E-07	2.65E-07	4.62E-03	7.27E-07	2.24E-06	7.26E-03	1.14E-06	4.49E-07
1312	490508.06, 3859640.74	4.30E-03	6.77E-07	2.66E-07	4.63E-03	7.30E-07	2.25E-06	7.29E-03	1.15E-06	4.51E-07
1313	490558.06, 3859640.74	4.31E-03	6.79E-07	2.67E-07	4.65E-03	7.32E-07	2.26E-06	7.32E-03	1.15E-06	4.53E-07
1314	490608.06, 3859640.74	4.32E-03	6.81E-07	2.68E-07	4.66E-03	7.34E-07	2.26E-06	7.34E-03	1.16E-06	4.54E-07
1315	490658.06, 3859640.74	4.33E-03	6.83E-07	2.68E-07	4.67E-03	7.36E-07	2.27E-06	7.37E-03	1.16E-06	4.56E-07
1316	490708.06, 3859640.74	4.34E-03	6.83E-07	2.68E-07	4.68E-03	7.37E-07	2.27E-06	7.38E-03	1.16E-06	4.57E-07
1317	490758.06, 3859640.74	4.34E-03	6.84E-07	2.69E-07	4.68E-03	7.37E-07	2.27E-06	7.39E-03	1.16E-06	4.57E-07
1318	490808.06, 3859640.74	4.34E-03	6.83E-07	2.68E-07	4.68E-03	7.37E-07	2.27E-06	7.39E-03	1.16E-06	4.57E-07
1319	490858.06, 3859640.74	4.33E-03	6.83E-07	2.68E-07	4.67E-03	7.36E-07	2.27E-06	7.39E-03	1.16E-06	4.57E-07
1320	490608.06, 3859690.74	4.14E-03	6.53E-07	2.57E-07	4.47E-03	7.04E-07	2.17E-06	7.04E-03	1.11E-06	4.36E-07
1321	490658.06, 3859690.74	4.16E-03	6.55E-07	2.57E-07	4.49E-03	7.07E-07	2.18E-06	7.07E-03	1.11E-06	4.37E-07
1322	490708.06, 3859690.74	4.17E-03	6.57E-07	2.58E-07	4.50E-03	7.08E-07	2.18E-06	7.09E-03	1.12E-06	4.39E-07
1323	490758.06, 3859690.74	4.18E-03	6.58E-07	2.58E-07	4.50E-03	7.09E-07	2.19E-06	7.11E-03	1.12E-06	4.40E-07
1324	490808.06, 3859690.74	4.18E-03	6.58E-07	2.59E-07	4.51E-03	7.10E-07	2.19E-06	7.12E-03	1.12E-06	4.40E-07
1325	490858.06, 3859690.74	4.18E-03	6.58E-07	2.59E-07	4.51E-03	7.10E-07	2.19E-06	7.12E-03	1.12E-06	4.40E-07
1326	490708.06, 3859740.74	4.00E-03	6.30E-07	2.48E-07	4.32E-03	6.80E-07	2.09E-06	6.80E-03	1.07E-06	4.21E-07
1327	490758.06, 3859740.74	4.01E-03	6.32E-07	2.48E-07	4.32E-03	6.81E-07	2.10E-06	6.82E-03	1.07E-06	4.22E-07
1328	490808.06, 3859740.74	4.02E-03	6.33E-07	2.49E-07	4.33E-03	6.82E-07	2.10E-06	6.84E-03	1.08E-06	4.23E-07
1329	490858.06, 3859740.74	4.02E-03	6.33E-07	2.49E-07	4.34E-03	6.83E-07	2.10E-06	6.85E-03	1.08E-06	4.24E-07
1330	490786.56, 3859749.39	3.99E-03	6.28E-07	2.47E-07	4.30E-03	6.77E-07	2.09E-06	6.78E-03	1.07E-06	4.20E-07
1331	490836.56, 3859749.39	3.99E-03	6.29E-07	2.47E-07	4.31E-03	6.78E-07	2.09E-06	6.80E-03	1.07E-06	4.21E-07
1332	490786.56, 3859799.39	3.83E-03	6.03E-07	2.37E-07	4.13E-03	6.50E-07	2.00E-06	6.50E-03	1.02E-06	4.03E-07
1333	490836.56, 3859799.39	3.84E-03	6.04E-07	2.37E-07	4.14E-03	6.52E-07	2.01E-06	6.53E-03	1.03E-06	4.04E-07
1334	492307.84, 3854508.36	3.98E-03	6.27E-07	2.46E-07	4.30E-03	6.77E-07	2.09E-06	6.85E-03	1.08E-06	4.24E-07
1335	486445.7, 3854753.6	7.94E-03	1.25E-06	4.92E-07	8.57E-03	1.35E-06	4.16E-06	1.35E-02	2.13E-06	8.38E-07
1336	472599.75, 3877830.11	1.33E-04	2.10E-08	8.25E-09	1.44E-04	2.26E-08	6.97E-08	2.24E-04	3.54E-08	1.39E-08
1337	493107.48, 3866840.19	4.00E-04	6.30E-08	2.47E-08	4.31E-04	6.79E-08	2.09E-07	6.83E-04	1.08E-07	4.22E-08
1338	495815.8, 3861662.87	1.45E-03	2.29E-07	8.98E-08	1.57E-03	2.47E-07	7.61E-07	2.50E-03	3.94E-07	1.55E-07
1339	480272.33, 3841389.2	4.10E-05	6.46E-09	2.54E-09	4.42E-05	6.97E-09	2.15E-08	6.98E-05	1.10E-08	4.32E-09
1340	497005.18, 3862813.64	1.03E-03	1.63E-07	6.40E-08	1.12E-03	1.76E-07	5.42E-07	1.78E-03	2.80E-07	1.10E-07

1341	493677.33, 3860302.55	2.65E-03	4.17E-07	1.64E-07	2.86E-03	4.50E-07	1.39E-06	4.55E-03	7.16E-07	2.81E-07
1342	493727.33, 3860302.55	2.64E-03	4.16E-07	1.63E-07	2.85E-03	4.49E-07	1.38E-06	4.53E-03	7.14E-07	2.81E-07
1343	493777.33, 3860302.55	2.63E-03	4.14E-07	1.63E-07	2.84E-03	4.47E-07	1.38E-06	4.52E-03	7.12E-07	2.80E-07
1344	493827.33, 3860302.55	2.62E-03	4.13E-07	1.62E-07	2.83E-03	4.46E-07	1.37E-06	4.51E-03	7.10E-07	2.79E-07
1345	493877.33, 3860302.55	2.61E-03	4.11E-07	1.62E-07	2.82E-03	4.44E-07	1.37E-06	4.49E-03	7.07E-07	2.78E-07
1346	493927.33, 3860302.55	2.60E-03	4.10E-07	1.61E-07	2.81E-03	4.43E-07	1.36E-06	4.47E-03	7.05E-07	2.77E-07
1347	493977.33, 3860302.55	2.60E-03	4.09E-07	1.61E-07	2.80E-03	4.42E-07	1.36E-06	4.46E-03	7.03E-07	2.76E-07
1348	494027.33, 3860302.55	2.59E-03	4.08E-07	1.60E-07	2.79E-03	4.40E-07	1.36E-06	4.45E-03	7.01E-07	2.75E-07
1349	493677.33, 3860352.55	2.60E-03	4.09E-07	1.61E-07	2.80E-03	4.41E-07	1.36E-06	4.46E-03	7.02E-07	2.76E-07
1350	493727.33, 3860352.55	2.59E-03	4.07E-07	1.60E-07	2.79E-03	4.40E-07	1.35E-06	4.44E-03	7.00E-07	2.75E-07
1351	493777.33, 3860352.55	2.58E-03	4.06E-07	1.60E-07	2.78E-03	4.38E-07	1.35E-06	4.43E-03	6.98E-07	2.74E-07
1352	493827.33, 3860352.55	2.57E-03	4.05E-07	1.59E-07	2.77E-03	4.37E-07	1.35E-06	4.42E-03	6.96E-07	2.73E-07
1353	493877.33, 3860352.55	2.56E-03	4.04E-07	1.59E-07	2.77E-03	4.36E-07	1.34E-06	4.40E-03	6.94E-07	2.72E-07
1354	493927.33, 3860352.55	2.55E-03	4.02E-07	1.58E-07	2.76E-03	4.35E-07	1.34E-06	4.39E-03	6.92E-07	2.72E-07
1355	493977.33, 3860352.55	2.55E-03	4.01E-07	1.58E-07	2.75E-03	4.33E-07	1.34E-06	4.38E-03	6.90E-07	2.71E-07
1356	494027.33, 3860352.55	2.54E-03	4.00E-07	1.57E-07	2.74E-03	4.32E-07	1.33E-06	4.37E-03	6.88E-07	2.70E-07
1357	493677.33, 3860402.55	2.54E-03	4.00E-07	1.57E-07	2.74E-03	4.32E-07	1.33E-06	4.37E-03	6.88E-07	2.70E-07
1358	493727.33, 3860402.55	2.53E-03	3.99E-07	1.57E-07	2.74E-03	4.31E-07	1.33E-06	4.35E-03	6.86E-07	2.69E-07
1359	493777.33, 3860402.55	2.53E-03	3.98E-07	1.57E-07	2.73E-03	4.30E-07	1.33E-06	4.35E-03	6.85E-07	2.69E-07
1360	493827.33, 3860402.55	2.52E-03	3.97E-07	1.56E-07	2.72E-03	4.29E-07	1.32E-06	4.33E-03	6.82E-07	2.68E-07
1361	493877.33, 3860402.55	2.51E-03	3.96E-07	1.55E-07	2.71E-03	4.27E-07	1.32E-06	4.32E-03	6.80E-07	2.67E-07
1362	493927.33, 3860402.55	2.51E-03	3.95E-07	1.55E-07	2.71E-03	4.26E-07	1.31E-06	4.31E-03	6.79E-07	2.67E-07
1363	493977.33, 3860402.55	2.50E-03	3.94E-07	1.55E-07	2.70E-03	4.26E-07	1.31E-06	4.30E-03	6.77E-07	2.66E-07
1364	494027.33, 3860402.55	2.49E-03	3.93E-07	1.54E-07	2.69E-03	4.24E-07	1.31E-06	4.29E-03	6.75E-07	2.65E-07
1365	493677.33, 3860452.55	2.49E-03	3.93E-07	1.54E-07	2.69E-03	4.24E-07	1.31E-06	4.28E-03	6.75E-07	2.65E-07
1366	493727.33, 3860452.55	2.48E-03	3.91E-07	1.54E-07	2.68E-03	4.22E-07	1.30E-06	4.26E-03	6.72E-07	2.64E-07
1367	493777.33, 3860452.55	2.47E-03	3.90E-07	1.53E-07	2.67E-03	4.21E-07	1.30E-06	4.25E-03	6.70E-07	2.63E-07
1368	493827.33, 3860452.55	2.47E-03	3.89E-07	1.53E-07	2.67E-03	4.20E-07	1.29E-06	4.24E-03	6.69E-07	2.63E-07
1369	493877.33, 3860452.55	2.46E-03	3.88E-07	1.52E-07	2.66E-03	4.19E-07	1.29E-06	4.23E-03	6.67E-07	2.62E-07
1370	493927.33, 3860452.55	2.46E-03	3.88E-07	1.52E-07	2.66E-03	4.19E-07	1.29E-06	4.23E-03	6.66E-07	2.62E-07
1371	493977.33, 3860452.55	2.45E-03	3.86E-07	1.52E-07	2.65E-03	4.17E-07	1.29E-06	4.22E-03	6.64E-07	2.61E-07
1372	494027.33, 3860452.55	2.45E-03	3.85E-07	1.51E-07	2.64E-03	4.16E-07	1.28E-06	4.20E-03	6.62E-07	2.60E-07
1373	493677.33, 3860502.55	2.44E-03	3.85E-07	1.51E-07	2.64E-03	4.15E-07	1.28E-06	4.20E-03	6.61E-07	2.60E-07
1374	493727.33, 3860502.55	2.43E-03	3.83E-07	1.51E-07	2.63E-03	4.14E-07	1.27E-06	4.18E-03	6.59E-07	2.59E-07
1375	493777.33, 3860502.55	2.43E-03	3.82E-07	1.50E-07	2.62E-03	4.13E-07	1.27E-06	4.17E-03	6.57E-07	2.58E-07
1376	493827.33, 3860502.55	2.42E-03	3.81E-07	1.50E-07	2.61E-03	4.12E-07	1.27E-06	4.16E-03	6.55E-07	2.57E-07
1377	493877.33, 3860502.55	2.42E-03	3.81E-07	1.49E-07	2.61E-03	4.11E-07	1.27E-06	4.15E-03	6.54E-07	2.57E-07
1378	493927.33, 3860502.55	2.41E-03	3.80E-07	1.49E-07	2.60E-03	4.10E-07	1.26E-06	4.15E-03	6.53E-07	2.57E-07
1379	493977.33, 3860502.55	2.40E-03	3.79E-07	1.49E-07	2.60E-03	4.09E-07	1.26E-06	4.13E-03	6.51E-07	2.56E-07
1380	494027.33, 3860502.55	2.40E-03	3.78E-07	1.48E-07	2.59E-03	4.08E-07	1.26E-06	4.12E-03	6.49E-07	2.55E-07
1381	493627.33, 3860552.55	2.40E-03	3.78E-07	1.48E-07	2.59E-03	4.08E-07	1.26E-06	4.12E-03	6.49E-07	2.55E-07
1382	493677.33, 3860552.55	2.39E-03	3.77E-07	1.48E-07	2.58E-03	4.07E-07	1.25E-06	4.11E-03	6.47E-07	2.54E-07
1383	493727.33, 3860552.55	2.38E-03	3.75E-07	1.47E-07	2.57E-03	4.05E-07	1.25E-06	4.09E-03	6.45E-07	2.53E-07
1384	493777.33, 3860552.55	2.38E-03	3.75E-07	1.47E-07	2.57E-03	4.04E-07	1.25E-06	4.08E-03	6.43E-07	2.53E-07
1385	493827.33, 3860552.55	2.37E-03	3.74E-07	1.47E-07	2.56E-03	4.04E-07	1.24E-06	4.08E-03	6.43E-07	2.52E-07
1386	493877.33, 3860552.55	2.37E-03	3.73E-07	1.46E-07	2.56E-03	4.03E-07	1.24E-06	4.07E-03	6.41E-07	2.52E-07
1387	493927.33, 3860552.55	2.36E-03	3.72E-07	1.46E-07	2.55E-03	4.02E-07	1.24E-06	4.06E-03	6.40E-07	2.51E-07
1388	493977.33, 3860552.55	2.36E-03	3.72E-07	1.46E-07	2.55E-03	4.01E-07	1.24E-06	4.05E-03	6.39E-07	2.51E-07
1389	494027.33, 3860552.55	2.35E-03	3.70E-07	1.46E-07	2.54E-03	4.00E-07	1.23E-06	4.04E-03	6.37E-07	2.50E-07
1390	493627.33, 3860602.55	2.35E-03	3.70E-07	1.45E-07	2.54E-03	4.00E-07	1.23E-06	4.04E-03	6.36E-07	2.50E-07
1391	493727.33, 3860602.55	2.33E-03	3.67E-07	1.44E-07	2.52E-03	3.96E-07	1.22E-06	4.00E-03	6.31E-07	2.48E-07
1392	493777.33, 3860602.55	2.33E-03	3.67E-07	1.44E-07	2.52E-03	3.96E-07	1.22E-06	4.00E-03	6.30E-07	2.48E-07
1393	493827.33, 3860602.55	2.32E-03	3.66E-07	1.44E-07	2.51E-03	3.95E-07	1.22E-06	3.99E-03	6.29E-07	2.47E-07
1394	493877.33, 3860602.55	2.32E-03	3.66E-07	1.44E-07	2.51E-03	3.95E-07	1.22E-06	3.99E-03	6.29E-07	2.47E-07
1395	493927.33, 3860602.55	2.32E-03	3.65E-07	1.43E-07	2.50E-03	3.94E-07	1.21E-06	3.98E-03	6.27E-07	2.46E-07
1396	493977.33, 3860602.55	2.31E-03	3.64E-07	1.43E-07	2.50E-03	3.93E-07	1.21E-06	3.98E-03	6.26E-07	2.46E-07
1397	494027.33, 3860602.55	2.31E-03	3.63E-07	1.43E-07	2.49E-03	3.92E-07	1.21E-06	3.96E-03	6.24E-07	2.45E-07
1398	493627.33, 3860652.55	2.30E-03	3.62E-07	1.42E-07	2.48E-03	3.91E-07	1.20E-06	3.95E-03	6.22E-07	2.44E-07
1399	493727.33, 3860652.55	2.28E-03	3.60E-07	1.41E-07	2.46E-03	3.88E-07	1.20E-06	3.92E-03	6.18E-07	2.43E-07
1400	493777.33, 3860652.55	2.28E-03	3.59E-07	1.41E-07	2.46E-03	3.88E-07	1.19E-06	3.92E-03	6.17E-07	2.42E-07
1401	493827.33, 3860652.55	2.28E-03	3.59E-07	1.41E-07	2.46E-03	3.87E-07	1.19E-06	3.91E-03	6.17E-07	2.42E-07
1402	493877.33, 3860652.55	2.28E-03	3.59E-07	1.41E-07	2.46E-03	3.87E-07	1.19E-06	3.91E-03	6.16E-07	2.42E-07
1403	493927.33, 3860652.55	2.27E-03	3.58E-07	1.41E-07	2.45E-03	3.86E-07	1.19E-06	3.90E-03	6.15E-07	2.42E-07
1404	493977.33, 3860652.55	2.27E-03	3.57E-07	1.40E-07	2.45E-03	3.86E-07	1.19E-06	3.90E-03	6.14E-07	2.41E-07

1405	494027.33, 3860652.55	2.26E-03	3.57E-07	1.40E-07	2.44E-03	3.85E-07	1.19E-06	3.89E-03	6.13E-07	2.41E-07
1406	494311.06, 3858401.99	2.58E-03	4.06E-07	1.59E-07	2.78E-03	4.38E-07	1.35E-06	4.43E-03	6.98E-07	2.74E-07
1407	494361.06, 3858401.99	2.53E-03	3.99E-07	1.57E-07	2.73E-03	4.31E-07	1.33E-06	4.35E-03	6.85E-07	2.69E-07
1408	494411.06, 3858401.99	2.50E-03	3.94E-07	1.55E-07	2.70E-03	4.25E-07	1.31E-06	4.30E-03	6.77E-07	2.66E-07
1409	494461.06, 3858401.99	2.48E-03	3.91E-07	1.54E-07	2.68E-03	4.23E-07	1.30E-06	4.27E-03	6.73E-07	2.64E-07
1410	494511.06, 3858401.99	2.45E-03	3.86E-07	1.52E-07	2.65E-03	4.17E-07	1.28E-06	4.21E-03	6.64E-07	2.61E-07
1411	494561.06, 3858401.99	2.43E-03	3.83E-07	1.51E-07	2.63E-03	4.14E-07	1.27E-06	4.18E-03	6.59E-07	2.59E-07
1412	494611.06, 3858401.99	2.40E-03	3.78E-07	1.48E-07	2.59E-03	4.08E-07	1.26E-06	4.12E-03	6.50E-07	2.55E-07
1413	494661.06, 3858401.99	2.37E-03	3.73E-07	1.47E-07	2.56E-03	4.03E-07	1.24E-06	4.08E-03	6.42E-07	2.52E-07
1414	494711.06, 3858401.99	2.33E-03	3.67E-07	1.44E-07	2.51E-03	3.96E-07	1.22E-06	4.00E-03	6.30E-07	2.48E-07
1415	494761.06, 3858401.99	2.31E-03	3.63E-07	1.43E-07	2.49E-03	3.92E-07	1.21E-06	3.96E-03	6.24E-07	2.45E-07
1416	494811.06, 3858401.99	2.27E-03	3.58E-07	1.41E-07	2.45E-03	3.87E-07	1.19E-06	3.91E-03	6.16E-07	2.42E-07
1417	494861.06, 3858401.99	2.24E-03	3.54E-07	1.39E-07	2.42E-03	3.82E-07	1.18E-06	3.86E-03	6.08E-07	2.39E-07
1418	494911.06, 3858401.99	2.22E-03	3.49E-07	1.37E-07	2.39E-03	3.77E-07	1.16E-06	3.81E-03	6.00E-07	2.36E-07
1419	494961.06, 3858401.99	2.19E-03	3.45E-07	1.35E-07	2.36E-03	3.72E-07	1.15E-06	3.76E-03	5.92E-07	2.33E-07
1420	495011.06, 3858401.99	2.15E-03	3.39E-07	1.33E-07	2.32E-03	3.66E-07	1.13E-06	3.70E-03	5.82E-07	2.29E-07
1421	495061.06, 3858401.99	2.12E-03	3.34E-07	1.31E-07	2.29E-03	3.61E-07	1.11E-06	3.64E-03	5.74E-07	2.26E-07
1422	495111.06, 3858401.99	2.07E-03	3.26E-07	1.28E-07	2.23E-03	3.52E-07	1.08E-06	3.55E-03	5.60E-07	2.20E-07
1423	495161.06, 3858401.99	2.06E-03	3.24E-07	1.27E-07	2.22E-03	3.50E-07	1.08E-06	3.53E-03	5.57E-07	2.19E-07
1424	495211.06, 3858401.99	2.01E-03	3.17E-07	1.24E-07	2.17E-03	3.42E-07	1.05E-06	3.45E-03	5.44E-07	2.14E-07
1425	495261.06, 3858401.99	1.98E-03	3.13E-07	1.23E-07	2.14E-03	3.38E-07	1.04E-06	3.41E-03	5.37E-07	2.11E-07
1426	495311.06, 3858401.99	1.96E-03	3.09E-07	1.21E-07	2.11E-03	3.33E-07	1.03E-06	3.36E-03	5.30E-07	2.08E-07
1427	495361.06, 3858401.99	1.94E-03	3.06E-07	1.20E-07	2.09E-03	3.30E-07	1.02E-06	3.33E-03	5.25E-07	2.06E-07
1428	495411.06, 3858401.99	1.93E-03	3.04E-07	1.19E-07	2.08E-03	3.28E-07	1.01E-06	3.31E-03	5.22E-07	2.05E-07
1429	495461.06, 3858401.99	1.92E-03	3.03E-07	1.19E-07	2.07E-03	3.27E-07	1.01E-06	3.30E-03	5.20E-07	2.04E-07
1430	495511.06, 3858401.99	1.91E-03	3.01E-07	1.18E-07	2.06E-03	3.25E-07	1.00E-06	3.28E-03	5.17E-07	2.03E-07
1431	495561.06, 3858401.99	1.89E-03	2.97E-07	1.17E-07	2.04E-03	3.21E-07	9.88E-07	3.24E-03	5.10E-07	2.00E-07
1432	495611.06, 3858401.99	1.88E-03	2.95E-07	1.16E-07	2.03E-03	3.19E-07	9.83E-07	3.22E-03	5.08E-07	1.99E-07
1433	495661.06, 3858401.99	1.89E-03	2.97E-07	1.17E-07	2.04E-03	3.21E-07	9.89E-07	3.24E-03	5.11E-07	2.01E-07
1434	494311.06, 3858451.99	2.63E-03	4.14E-07	1.63E-07	2.84E-03	4.47E-07	1.38E-06	4.52E-03	7.12E-07	2.80E-07
1435	494361.06, 3858451.99	2.59E-03	4.08E-07	1.60E-07	2.80E-03	4.41E-07	1.36E-06	4.45E-03	7.01E-07	2.76E-07
1436	494411.06, 3858451.99	2.56E-03	4.03E-07	1.58E-07	2.76E-03	4.35E-07	1.34E-06	4.40E-03	6.93E-07	2.72E-07
1437	494461.06, 3858451.99	2.53E-03	3.99E-07	1.57E-07	2.73E-03	4.30E-07	1.33E-06	4.35E-03	6.85E-07	2.69E-07
1438	494511.06, 3858451.99	2.51E-03	3.96E-07	1.55E-07	2.71E-03	4.27E-07	1.32E-06	4.32E-03	6.80E-07	2.67E-07
1439	494561.06, 3858451.99	2.48E-03	3.90E-07	1.53E-07	2.67E-03	4.21E-07	1.30E-06	4.26E-03	6.71E-07	2.63E-07
1440	494611.06, 3858451.99	2.45E-03	3.86E-07	1.52E-07	2.65E-03	4.17E-07	1.28E-06	4.21E-03	6.63E-07	2.61E-07
1441	494661.06, 3858451.99	2.42E-03	3.81E-07	1.50E-07	2.61E-03	4.12E-07	1.27E-06	4.16E-03	6.55E-07	2.58E-07
1442	494711.06, 3858451.99	2.38E-03	3.76E-07	1.48E-07	2.57E-03	4.05E-07	1.25E-06	4.10E-03	6.46E-07	2.54E-07
1443	494761.06, 3858451.99	2.35E-03	3.70E-07	1.45E-07	2.53E-03	3.99E-07	1.23E-06	4.04E-03	6.36E-07	2.50E-07
1444	494811.06, 3858451.99	2.32E-03	3.65E-07	1.43E-07	2.50E-03	3.94E-07	1.21E-06	3.98E-03	6.27E-07	2.47E-07
1445	494861.06, 3858451.99	2.28E-03	3.60E-07	1.41E-07	2.47E-03	3.88E-07	1.20E-06	3.93E-03	6.18E-07	2.43E-07
1446	494911.06, 3858451.99	2.24E-03	3.53E-07	1.39E-07	2.42E-03	3.82E-07	1.18E-06	3.85E-03	6.07E-07	2.39E-07
1447	494961.06, 3858451.99	2.21E-03	3.48E-07	1.37E-07	2.38E-03	3.76E-07	1.16E-06	3.80E-03	5.98E-07	2.35E-07
1448	495011.06, 3858451.99	2.17E-03	3.42E-07	1.34E-07	2.34E-03	3.69E-07	1.14E-06	3.73E-03	5.87E-07	2.31E-07
1449	495061.06, 3858451.99	2.15E-03	3.39E-07	1.33E-07	2.32E-03	3.66E-07	1.13E-06	3.70E-03	5.82E-07	2.29E-07
1450	495111.06, 3858451.99	2.11E-03	3.33E-07	1.31E-07	2.28E-03	3.59E-07	1.11E-06	3.63E-03	5.72E-07	2.25E-07
1451	495161.06, 3858451.99	2.07E-03	3.26E-07	1.28E-07	2.23E-03	3.52E-07	1.08E-06	3.56E-03	5.60E-07	2.20E-07
1452	495211.06, 3858451.99	2.03E-03	3.20E-07	1.26E-07	2.19E-03	3.46E-07	1.06E-06	3.49E-03	5.50E-07	2.16E-07
1453	495261.06, 3858451.99	2.01E-03	3.16E-07	1.24E-07	2.17E-03	3.41E-07	1.05E-06	3.45E-03	5.43E-07	2.13E-07
1454	495311.06, 3858451.99	1.99E-03	3.13E-07	1.23E-07	2.14E-03	3.38E-07	1.04E-06	3.41E-03	5.37E-07	2.11E-07
1455	495361.06, 3858451.99	1.97E-03	3.10E-07	1.22E-07	2.12E-03	3.35E-07	1.03E-06	3.38E-03	5.33E-07	2.09E-07
1456	495411.06, 3858451.99	1.96E-03	3.09E-07	1.21E-07	2.12E-03	3.33E-07	1.03E-06	3.37E-03	5.30E-07	2.08E-07
1457	495461.06, 3858451.99	1.95E-03	3.08E-07	1.21E-07	2.11E-03	3.32E-07	1.02E-06	3.36E-03	5.29E-07	2.08E-07
1458	495511.06, 3858451.99	1.93E-03	3.04E-07	1.20E-07	2.09E-03	3.29E-07	1.01E-06	3.32E-03	5.23E-07	2.05E-07
1459	495561.06, 3858451.99	1.93E-03	3.05E-07	1.20E-07	2.09E-03	3.29E-07	1.01E-06	3.32E-03	5.23E-07	2.06E-07
1460	495611.06, 3858451.99	1.91E-03	3.01E-07	1.18E-07	2.06E-03	3.25E-07	1.00E-06	3.28E-03	5.17E-07	2.03E-07
1461	495661.06, 3858451.99	1.91E-03	3.00E-07	1.18E-07	2.06E-03	3.24E-07	9.98E-07	3.27E-03	5.16E-07	2.03E-07
1462	494311.06, 3858501.99	2.64E-03	4.15E-07	1.63E-07	2.85E-03	4.48E-07	1.38E-06	4.53E-03	7.14E-07	2.80E-07
1463	494361.06, 3858501.99	2.61E-03	4.11E-07	1.62E-07	2.82E-03	4.44E-07	1.37E-06	4.49E-03	7.07E-07	2.78E-07
1464	494411.06, 3858501.99	2.58E-03	4.06E-07	1.60E-07	2.79E-03	4.39E-07	1.35E-06	4.44E-03	6.99E-07	2.75E-07
1465	494461.06, 3858501.99	2.56E-03	4.03E-07	1.59E-07	2.77E-03	4.36E-07	1.34E-06	4.40E-03	6.94E-07	2.73E-07
1466	494511.06, 3858501.99	2.52E-03	3.97E-07	1.56E-07	2.72E-03	4.29E-07	1.32E-06	4.34E-03	6.83E-07	2.68E-07
1467	494561.06, 3858501.99	2.52E-03	3.97E-07	1.56E-07	2.72E-03	4.29E-07	1.32E-06	4.34E-03	6.83E-07	2.68E-07
1468	494611.06, 3858501.99	2.49E-03	3.92E-07	1.54E-07	2.69E-03	4.24E-07	1.30E-06	4.28E-03	6.74E-07	2.65E-07

1469	494661.06, 3858501.99	2.47E-03	3.89E-07	1.53E-07	2.66E-03	4.20E-07	1.29E-06	4.24E-03	6.68E-07	2.63E-07
1470	494711.06, 3858501.99	2.43E-03	3.83E-07	1.50E-07	2.62E-03	4.13E-07	1.27E-06	4.18E-03	6.58E-07	2.59E-07
1471	494761.06, 3858501.99	2.39E-03	3.76E-07	1.48E-07	2.58E-03	4.06E-07	1.25E-06	4.10E-03	6.47E-07	2.54E-07
1472	494811.06, 3858501.99	2.35E-03	3.70E-07	1.45E-07	2.54E-03	3.99E-07	1.23E-06	4.04E-03	6.36E-07	2.50E-07
1473	494861.06, 3858501.99	2.32E-03	3.66E-07	1.44E-07	2.51E-03	3.95E-07	1.22E-06	3.99E-03	6.29E-07	2.47E-07
1474	494911.06, 3858501.99	2.27E-03	3.57E-07	1.40E-07	2.45E-03	3.86E-07	1.19E-06	3.90E-03	6.14E-07	2.41E-07
1475	494961.06, 3858501.99	2.24E-03	3.53E-07	1.39E-07	2.42E-03	3.81E-07	1.17E-06	3.85E-03	6.07E-07	2.38E-07
1476	495011.06, 3858501.99	2.20E-03	3.46E-07	1.36E-07	2.37E-03	3.74E-07	1.15E-06	3.77E-03	5.95E-07	2.34E-07
1477	495061.06, 3858501.99	2.18E-03	3.43E-07	1.35E-07	2.35E-03	3.70E-07	1.14E-06	3.74E-03	5.89E-07	2.32E-07
1478	495111.06, 3858501.99	2.12E-03	3.34E-07	1.31E-07	2.29E-03	3.61E-07	1.11E-06	3.65E-03	5.75E-07	2.26E-07
1479	495161.06, 3858501.99	2.09E-03	3.29E-07	1.29E-07	2.25E-03	3.55E-07	1.09E-06	3.59E-03	5.65E-07	2.22E-07
1480	495211.06, 3858501.99	2.05E-03	3.23E-07	1.27E-07	2.22E-03	3.49E-07	1.08E-06	3.53E-03	5.56E-07	2.18E-07
1481	495261.06, 3858501.99	2.03E-03	3.20E-07	1.26E-07	2.19E-03	3.45E-07	1.06E-06	3.49E-03	5.49E-07	2.16E-07
1482	495311.06, 3858501.99	2.01E-03	3.17E-07	1.25E-07	2.17E-03	3.43E-07	1.06E-06	3.46E-03	5.45E-07	2.14E-07
1483	495361.06, 3858501.99	2.00E-03	3.15E-07	1.24E-07	2.16E-03	3.40E-07	1.05E-06	3.44E-03	5.41E-07	2.13E-07
1484	495411.06, 3858501.99	1.99E-03	3.14E-07	1.23E-07	2.15E-03	3.39E-07	1.04E-06	3.42E-03	5.39E-07	2.12E-07
1485	495461.06, 3858501.99	1.98E-03	3.12E-07	1.23E-07	2.14E-03	3.37E-07	1.04E-06	3.41E-03	5.36E-07	2.11E-07
1486	495511.06, 3858501.99	1.97E-03	3.10E-07	1.22E-07	2.13E-03	3.35E-07	1.03E-06	3.38E-03	5.33E-07	2.09E-07
1487	495561.06, 3858501.99	1.97E-03	3.10E-07	1.22E-07	2.13E-03	3.35E-07	1.03E-06	3.38E-03	5.33E-07	2.09E-07
1488	495611.06, 3858501.99	1.94E-03	3.06E-07	1.20E-07	2.10E-03	3.31E-07	1.02E-06	3.34E-03	5.26E-07	2.07E-07
1489	495661.06, 3858501.99	1.94E-03	3.06E-07	1.20E-07	2.10E-03	3.31E-07	1.02E-06	3.34E-03	5.26E-07	2.07E-07
1490	494311.06, 3858551.99	2.59E-03	4.08E-07	1.60E-07	2.79E-03	4.40E-07	1.36E-06	4.45E-03	7.01E-07	2.75E-07
1491	494361.06, 3858551.99	2.60E-03	4.10E-07	1.61E-07	2.81E-03	4.43E-07	1.36E-06	4.47E-03	7.05E-07	2.77E-07
1492	494411.06, 3858551.99	2.62E-03	4.13E-07	1.62E-07	2.83E-03	4.46E-07	1.37E-06	4.50E-03	7.10E-07	2.79E-07
1493	494461.06, 3858551.99	2.61E-03	4.11E-07	1.62E-07	2.82E-03	4.44E-07	1.37E-06	4.49E-03	7.07E-07	2.78E-07
1494	494511.06, 3858551.99	2.59E-03	4.08E-07	1.60E-07	2.79E-03	4.40E-07	1.36E-06	4.45E-03	7.01E-07	2.75E-07
1495	494561.06, 3858551.99	2.57E-03	4.05E-07	1.59E-07	2.77E-03	4.37E-07	1.35E-06	4.41E-03	6.95E-07	2.73E-07
1496	494611.06, 3858551.99	2.54E-03	4.00E-07	1.57E-07	2.74E-03	4.32E-07	1.33E-06	4.37E-03	6.88E-07	2.70E-07
1497	494661.06, 3858551.99	2.52E-03	3.96E-07	1.56E-07	2.72E-03	4.28E-07	1.32E-06	4.33E-03	6.82E-07	2.68E-07
1498	494711.06, 3858551.99	2.47E-03	3.90E-07	1.53E-07	2.67E-03	4.21E-07	1.30E-06	4.25E-03	6.70E-07	2.63E-07
1499	494761.06, 3858551.99	2.43E-03	3.83E-07	1.51E-07	2.63E-03	4.14E-07	1.27E-06	4.18E-03	6.59E-07	2.59E-07
1500	494811.06, 3858551.99	2.40E-03	3.78E-07	1.49E-07	2.59E-03	4.08E-07	1.26E-06	4.13E-03	6.50E-07	2.55E-07
1501	494861.06, 3858551.99	2.36E-03	3.72E-07	1.46E-07	2.55E-03	4.01E-07	1.24E-06	4.05E-03	6.39E-07	2.51E-07
1502	494911.06, 3858551.99	2.31E-03	3.64E-07	1.43E-07	2.50E-03	3.93E-07	1.21E-06	3.97E-03	6.26E-07	2.46E-07
1503	494961.06, 3858551.99	2.27E-03	3.58E-07	1.41E-07	2.46E-03	3.87E-07	1.19E-06	3.91E-03	6.16E-07	2.42E-07
1504	495011.06, 3858551.99	2.23E-03	3.51E-07	1.38E-07	2.41E-03	3.79E-07	1.17E-06	3.83E-03	6.03E-07	2.37E-07
1505	495061.06, 3858551.99	2.20E-03	3.46E-07	1.36E-07	2.37E-03	3.74E-07	1.15E-06	3.78E-03	5.96E-07	2.34E-07
1506	495111.06, 3858551.99	2.14E-03	3.38E-07	1.33E-07	2.32E-03	3.65E-07	1.12E-06	3.68E-03	5.80E-07	2.28E-07
1507	495161.06, 3858551.99	2.11E-03	3.32E-07	1.31E-07	2.28E-03	3.59E-07	1.10E-06	3.62E-03	5.71E-07	2.24E-07
1508	495211.06, 3858551.99	2.08E-03	3.27E-07	1.29E-07	2.24E-03	3.53E-07	1.09E-06	3.57E-03	5.62E-07	2.21E-07
1509	495261.06, 3858551.99	2.06E-03	3.24E-07	1.27E-07	2.22E-03	3.50E-07	1.08E-06	3.53E-03	5.57E-07	2.19E-07
1510	495311.06, 3858551.99	2.04E-03	3.22E-07	1.27E-07	2.21E-03	3.48E-07	1.07E-06	3.51E-03	5.53E-07	2.17E-07
1511	495361.06, 3858551.99	2.03E-03	3.20E-07	1.26E-07	2.19E-03	3.45E-07	1.06E-06	3.49E-03	5.50E-07	2.16E-07
1512	495411.06, 3858551.99	2.02E-03	3.19E-07	1.25E-07	2.19E-03	3.44E-07	1.06E-06	3.48E-03	5.48E-07	2.15E-07
1513	495461.06, 3858551.99	2.01E-03	3.17E-07	1.25E-07	2.17E-03	3.42E-07	1.05E-06	3.46E-03	5.45E-07	2.14E-07
1514	495511.06, 3858551.99	2.01E-03	3.16E-07	1.24E-07	2.17E-03	3.41E-07	1.05E-06	3.45E-03	5.43E-07	2.13E-07
1515	495561.06, 3858551.99	2.00E-03	3.14E-07	1.24E-07	2.16E-03	3.40E-07	1.05E-06	3.43E-03	5.40E-07	2.12E-07
1516	495611.06, 3858551.99	1.98E-03	3.12E-07	1.23E-07	2.14E-03	3.37E-07	1.04E-06	3.41E-03	5.37E-07	2.11E-07
1517	495661.06, 3858551.99	1.97E-03	3.10E-07	1.22E-07	2.12E-03	3.35E-07	1.03E-06	3.38E-03	5.32E-07	2.09E-07
1518	494311.06, 3858601.99	2.47E-03	3.89E-07	1.53E-07	2.67E-03	4.20E-07	1.29E-06	4.24E-03	6.68E-07	2.63E-07
1519	494361.06, 3858601.99	2.58E-03	4.07E-07	1.60E-07	2.79E-03	4.39E-07	1.35E-06	4.44E-03	7.00E-07	2.75E-07
1520	494411.06, 3858601.99	2.67E-03	4.21E-07	1.65E-07	2.89E-03	4.55E-07	1.40E-06	4.60E-03	7.24E-07	2.85E-07
1521	494461.06, 3858601.99	2.66E-03	4.19E-07	1.65E-07	2.88E-03	4.53E-07	1.40E-06	4.58E-03	7.21E-07	2.83E-07
1522	494511.06, 3858601.99	2.63E-03	4.14E-07	1.63E-07	2.84E-03	4.47E-07	1.38E-06	4.52E-03	7.11E-07	2.79E-07
1523	494561.06, 3858601.99	2.63E-03	4.14E-07	1.63E-07	2.84E-03	4.47E-07	1.38E-06	4.52E-03	7.12E-07	2.80E-07
1524	494611.06, 3858601.99	2.59E-03	4.08E-07	1.60E-07	2.80E-03	4.41E-07	1.36E-06	4.45E-03	7.02E-07	2.76E-07
1525	494661.06, 3858601.99	2.56E-03	4.04E-07	1.59E-07	2.77E-03	4.36E-07	1.34E-06	4.41E-03	6.94E-07	2.73E-07
1526	494711.06, 3858601.99	2.52E-03	3.97E-07	1.56E-07	2.72E-03	4.29E-07	1.32E-06	4.34E-03	6.83E-07	2.68E-07
1527	494761.06, 3858601.99	2.48E-03	3.91E-07	1.54E-07	2.68E-03	4.22E-07	1.30E-06	4.27E-03	6.72E-07	2.64E-07
1528	494811.06, 3858601.99	2.42E-03	3.82E-07	1.50E-07	2.62E-03	4.12E-07	1.27E-06	4.17E-03	6.56E-07	2.58E-07
1529	494861.06, 3858601.99	2.39E-03	3.77E-07	1.48E-07	2.58E-03	4.07E-07	1.25E-06	4.11E-03	6.48E-07	2.54E-07
1530	494911.06, 3858601.99	2.34E-03	3.68E-07	1.45E-07	2.52E-03	3.98E-07	1.22E-06	4.02E-03	6.33E-07	2.49E-07
1531	494961.06, 3858601.99	2.30E-03	3.62E-07	1.42E-07	2.48E-03	3.91E-07	1.21E-06	3.95E-03	6.23E-07	2.45E-07
1532	495011.06, 3858601.99	2.26E-03	3.56E-07	1.40E-07	2.44E-03	3.85E-07	1.18E-06	3.89E-03	6.12E-07	2.41E-07

1533	495061.06, 3858601.99	2.22E-03	3.50E-07	1.37E-07	2.40E-03	3.78E-07	1.16E-06	3.82E-03	6.01E-07	2.36E-07
1534	495111.06, 3858601.99	2.16E-03	3.41E-07	1.34E-07	2.34E-03	3.68E-07	1.13E-06	3.72E-03	5.86E-07	2.30E-07
1535	495161.06, 3858601.99	2.13E-03	3.36E-07	1.32E-07	2.30E-03	3.62E-07	1.12E-06	3.66E-03	5.77E-07	2.27E-07
1536	495211.06, 3858601.99	2.11E-03	3.32E-07	1.31E-07	2.28E-03	3.59E-07	1.11E-06	3.63E-03	5.71E-07	2.24E-07
1537	495261.06, 3858601.99	2.09E-03	3.29E-07	1.29E-07	2.25E-03	3.55E-07	1.09E-06	3.59E-03	5.65E-07	2.22E-07
1538	495311.06, 3858601.99	2.07E-03	3.26E-07	1.28E-07	2.23E-03	3.52E-07	1.08E-06	3.56E-03	5.60E-07	2.20E-07
1539	495361.06, 3858601.99	2.06E-03	3.24E-07	1.27E-07	2.22E-03	3.50E-07	1.08E-06	3.54E-03	5.57E-07	2.19E-07
1540	495411.06, 3858601.99	2.05E-03	3.23E-07	1.27E-07	2.21E-03	3.48E-07	1.07E-06	3.52E-03	5.55E-07	2.18E-07
1541	495461.06, 3858601.99	2.04E-03	3.21E-07	1.26E-07	2.20E-03	3.47E-07	1.07E-06	3.51E-03	5.52E-07	2.17E-07
1542	495511.06, 3858601.99	2.02E-03	3.19E-07	1.25E-07	2.18E-03	3.44E-07	1.06E-06	3.48E-03	5.48E-07	2.15E-07
1543	495561.06, 3858601.99	2.02E-03	3.18E-07	1.25E-07	2.18E-03	3.43E-07	1.06E-06	3.47E-03	5.47E-07	2.15E-07
1544	495611.06, 3858601.99	2.00E-03	3.15E-07	1.24E-07	2.16E-03	3.40E-07	1.05E-06	3.43E-03	5.41E-07	2.13E-07
1545	495661.06, 3858601.99	1.99E-03	3.14E-07	1.23E-07	2.15E-03	3.39E-07	1.04E-06	3.42E-03	5.39E-07	2.12E-07
1546	494311.06, 3858651.99	2.44E-03	3.85E-07	1.51E-07	2.64E-03	4.16E-07	1.28E-06	4.20E-03	6.61E-07	2.60E-07
1547	494361.06, 3858651.99	2.55E-03	4.02E-07	1.58E-07	2.76E-03	4.35E-07	1.34E-06	4.39E-03	6.92E-07	2.72E-07
1548	494411.06, 3858651.99	2.69E-03	4.24E-07	1.66E-07	2.90E-03	4.58E-07	1.41E-06	4.63E-03	7.29E-07	2.86E-07
1549	494461.06, 3858651.99	2.70E-03	4.26E-07	1.67E-07	2.92E-03	4.60E-07	1.42E-06	4.65E-03	7.33E-07	2.88E-07
1550	494511.06, 3858651.99	2.68E-03	4.22E-07	1.66E-07	2.90E-03	4.56E-07	1.40E-06	4.61E-03	7.26E-07	2.85E-07
1551	494561.06, 3858651.99	2.67E-03	4.20E-07	1.65E-07	2.88E-03	4.53E-07	1.40E-06	4.58E-03	7.22E-07	2.84E-07
1552	494611.06, 3858651.99	2.64E-03	4.16E-07	1.64E-07	2.85E-03	4.50E-07	1.38E-06	4.55E-03	7.16E-07	2.81E-07
1553	494661.06, 3858651.99	2.61E-03	4.11E-07	1.61E-07	2.82E-03	4.44E-07	1.37E-06	4.49E-03	7.07E-07	2.78E-07
1554	494711.06, 3858651.99	2.56E-03	4.04E-07	1.59E-07	2.77E-03	4.36E-07	1.34E-06	4.41E-03	6.94E-07	2.73E-07
1555	494761.06, 3858651.99	2.53E-03	3.98E-07	1.56E-07	2.73E-03	4.30E-07	1.32E-06	4.34E-03	6.84E-07	2.69E-07
1556	494811.06, 3858651.99	2.47E-03	3.90E-07	1.53E-07	2.67E-03	4.21E-07	1.30E-06	4.25E-03	6.70E-07	2.63E-07
1557	494861.06, 3858651.99	2.42E-03	3.82E-07	1.50E-07	2.62E-03	4.12E-07	1.27E-06	4.17E-03	6.57E-07	2.58E-07
1558	494911.06, 3858651.99	2.37E-03	3.74E-07	1.47E-07	2.56E-03	4.03E-07	1.24E-06	4.08E-03	6.42E-07	2.52E-07
1559	494961.06, 3858651.99	2.32E-03	3.66E-07	1.44E-07	2.51E-03	3.95E-07	1.22E-06	4.00E-03	6.29E-07	2.47E-07
1560	495011.06, 3858651.99	2.29E-03	3.60E-07	1.42E-07	2.47E-03	3.89E-07	1.20E-06	3.93E-03	6.20E-07	2.43E-07
1561	495061.06, 3858651.99	2.25E-03	3.54E-07	1.39E-07	2.43E-03	3.82E-07	1.18E-06	3.86E-03	6.08E-07	2.39E-07
1562	495111.06, 3858651.99	2.20E-03	3.46E-07	1.36E-07	2.37E-03	3.74E-07	1.15E-06	3.78E-03	5.95E-07	2.34E-07
1563	495161.06, 3858651.99	2.17E-03	3.42E-07	1.34E-07	2.34E-03	3.69E-07	1.14E-06	3.73E-03	5.87E-07	2.31E-07
1564	495211.06, 3858651.99	2.13E-03	3.36E-07	1.32E-07	2.30E-03	3.63E-07	1.12E-06	3.67E-03	5.78E-07	2.27E-07
1565	495261.06, 3858651.99	2.12E-03	3.34E-07	1.31E-07	2.29E-03	3.61E-07	1.11E-06	3.65E-03	5.75E-07	2.26E-07
1566	495311.06, 3858651.99	2.10E-03	3.31E-07	1.30E-07	2.27E-03	3.58E-07	1.10E-06	3.62E-03	5.70E-07	2.24E-07
1567	495361.06, 3858651.99	2.09E-03	3.30E-07	1.29E-07	2.26E-03	3.56E-07	1.10E-06	3.60E-03	5.67E-07	2.23E-07
1568	495411.06, 3858651.99	2.08E-03	3.28E-07	1.29E-07	2.25E-03	3.55E-07	1.09E-06	3.58E-03	5.65E-07	2.22E-07
1569	495461.06, 3858651.99	2.08E-03	3.28E-07	1.29E-07	2.25E-03	3.54E-07	1.09E-06	3.58E-03	5.64E-07	2.21E-07
1570	495511.06, 3858651.99	2.06E-03	3.25E-07	1.28E-07	2.23E-03	3.51E-07	1.08E-06	3.54E-03	5.58E-07	2.19E-07
1571	495561.06, 3858651.99	2.05E-03	3.22E-07	1.27E-07	2.21E-03	3.48E-07	1.07E-06	3.52E-03	5.54E-07	2.18E-07
1572	495611.06, 3858651.99	2.02E-03	3.18E-07	1.25E-07	2.18E-03	3.44E-07	1.06E-06	3.47E-03	5.47E-07	2.15E-07
1573	495661.06, 3858651.99	2.01E-03	3.17E-07	1.25E-07	2.17E-03	3.42E-07	1.05E-06	3.46E-03	5.45E-07	2.14E-07
1574	494311.06, 3858701.99	2.47E-03	3.90E-07	1.53E-07	2.67E-03	4.21E-07	1.30E-06	4.25E-03	6.70E-07	2.63E-07
1575	494361.06, 3858701.99	2.63E-03	4.15E-07	1.63E-07	2.84E-03	4.48E-07	1.38E-06	4.53E-03	7.14E-07	2.80E-07
1576	494411.06, 3858701.99	2.73E-03	4.30E-07	1.69E-07	2.95E-03	4.64E-07	1.43E-06	4.69E-03	7.39E-07	2.90E-07
1577	494461.06, 3858701.99	2.73E-03	4.29E-07	1.69E-07	2.94E-03	4.64E-07	1.43E-06	4.69E-03	7.39E-07	2.90E-07
1578	494511.06, 3858701.99	2.72E-03	4.29E-07	1.69E-07	2.94E-03	4.63E-07	1.43E-06	4.69E-03	7.38E-07	2.90E-07
1579	494561.06, 3858701.99	2.70E-03	4.26E-07	1.67E-07	2.92E-03	4.60E-07	1.42E-06	4.65E-03	7.32E-07	2.88E-07
1580	494611.06, 3858701.99	2.65E-03	4.17E-07	1.64E-07	2.86E-03	4.50E-07	1.39E-06	4.55E-03	7.17E-07	2.82E-07
1581	494661.06, 3858701.99	2.64E-03	4.16E-07	1.63E-07	2.85E-03	4.49E-07	1.38E-06	4.54E-03	7.15E-07	2.81E-07
1582	494711.06, 3858701.99	2.53E-03	3.98E-07	1.56E-07	2.73E-03	4.30E-07	1.32E-06	4.34E-03	6.84E-07	2.69E-07
1583	494761.06, 3858701.99	2.55E-03	4.01E-07	1.58E-07	2.75E-03	4.33E-07	1.33E-06	4.38E-03	6.90E-07	2.71E-07
1584	494811.06, 3858701.99	2.49E-03	3.93E-07	1.54E-07	2.69E-03	4.24E-07	1.31E-06	4.29E-03	6.75E-07	2.65E-07
1585	494861.06, 3858701.99	2.45E-03	3.86E-07	1.52E-07	2.65E-03	4.17E-07	1.28E-06	4.21E-03	6.64E-07	2.61E-07
1586	494911.06, 3858701.99	2.41E-03	3.80E-07	1.49E-07	2.61E-03	4.10E-07	1.26E-06	4.15E-03	6.54E-07	2.57E-07
1587	494961.06, 3858701.99	2.34E-03	3.69E-07	1.45E-07	2.53E-03	3.98E-07	1.23E-06	4.02E-03	6.34E-07	2.49E-07
1588	495011.06, 3858701.99	2.30E-03	3.62E-07	1.42E-07	2.48E-03	3.91E-07	1.20E-06	3.95E-03	6.22E-07	2.44E-07
1589	495061.06, 3858701.99	2.27E-03	3.58E-07	1.41E-07	2.46E-03	3.87E-07	1.19E-06	3.91E-03	6.16E-07	2.42E-07
1590	495111.06, 3858701.99	2.22E-03	3.50E-07	1.38E-07	2.40E-03	3.78E-07	1.17E-06	3.82E-03	6.02E-07	2.37E-07
1591	495161.06, 3858701.99	2.20E-03	3.46E-07	1.36E-07	2.37E-03	3.74E-07	1.15E-06	3.78E-03	5.95E-07	2.34E-07
1592	495211.06, 3858701.99	2.16E-03	3.41E-07	1.34E-07	2.34E-03	3.68E-07	1.13E-06	3.72E-03	5.86E-07	2.30E-07
1593	495261.06, 3858701.99	2.15E-03	3.39E-07	1.33E-07	2.32E-03	3.66E-07	1.13E-06	3.70E-03	5.83E-07	2.29E-07
1594	495311.06, 3858701.99	2.14E-03	3.38E-07	1.33E-07	2.31E-03	3.65E-07	1.12E-06	3.68E-03	5.80E-07	2.28E-07
1595	495361.06, 3858701.99	2.13E-03	3.35E-07	1.32E-07	2.30E-03	3.62E-07	1.12E-06	3.66E-03	5.76E-07	2.26E-07
1596	495411.06, 3858701.99	2.12E-03	3.35E-07	1.31E-07	2.29E-03	3.61E-07	1.11E-06	3.65E-03	5.75E-07	2.26E-07

1597	495461.06, 3858701.99	2.11E-03	3.33E-07	1.31E-07	2.28E-03	3.59E-07	1.11E-06	3.63E-03	5.72E-07	2.25E-07
1598	495511.06, 3858701.99	2.10E-03	3.30E-07	1.30E-07	2.26E-03	3.57E-07	1.10E-06	3.60E-03	5.68E-07	2.23E-07
1599	495561.06, 3858701.99	2.08E-03	3.27E-07	1.28E-07	2.24E-03	3.53E-07	1.09E-06	3.57E-03	5.62E-07	2.21E-07
1600	495611.06, 3858701.99	2.06E-03	3.24E-07	1.27E-07	2.22E-03	3.50E-07	1.08E-06	3.53E-03	5.57E-07	2.19E-07
1601	495661.06, 3858701.99	2.04E-03	3.22E-07	1.26E-07	2.21E-03	3.47E-07	1.07E-06	3.51E-03	5.53E-07	2.17E-07
1602	494311.06, 3858751.99	2.51E-03	3.96E-07	1.56E-07	2.71E-03	4.28E-07	1.32E-06	4.32E-03	6.81E-07	2.67E-07
1603	494361.06, 3858751.99	2.70E-03	4.26E-07	1.67E-07	2.92E-03	4.60E-07	1.42E-06	4.65E-03	7.32E-07	2.88E-07
1604	494411.06, 3858751.99	2.77E-03	4.37E-07	1.72E-07	3.00E-03	4.72E-07	1.45E-06	4.77E-03	7.52E-07	2.95E-07
1605	494461.06, 3858751.99	2.77E-03	4.36E-07	1.71E-07	2.99E-03	4.71E-07	1.45E-06	4.77E-03	7.51E-07	2.95E-07
1606	494511.06, 3858751.99	2.78E-03	4.38E-07	1.72E-07	3.00E-03	4.73E-07	1.46E-06	4.78E-03	7.53E-07	2.96E-07
1607	494561.06, 3858751.99	2.74E-03	4.32E-07	1.70E-07	2.96E-03	4.66E-07	1.44E-06	4.71E-03	7.43E-07	2.92E-07
1608	494611.06, 3858751.99	2.69E-03	4.24E-07	1.67E-07	2.91E-03	4.58E-07	1.41E-06	4.63E-03	7.30E-07	2.87E-07
1609	494661.06, 3858751.99	2.66E-03	4.20E-07	1.65E-07	2.88E-03	4.53E-07	1.40E-06	4.58E-03	7.22E-07	2.84E-07
1610	494711.06, 3858751.99	2.60E-03	4.09E-07	1.61E-07	2.80E-03	4.42E-07	1.36E-06	4.47E-03	7.03E-07	2.76E-07
1611	494761.06, 3858751.99	2.58E-03	4.06E-07	1.60E-07	2.78E-03	4.39E-07	1.35E-06	4.44E-03	6.99E-07	2.75E-07
1612	494811.06, 3858751.99	2.52E-03	3.97E-07	1.56E-07	2.72E-03	4.29E-07	1.32E-06	4.34E-03	6.83E-07	2.68E-07
1613	494861.06, 3858751.99	2.47E-03	3.89E-07	1.53E-07	2.67E-03	4.20E-07	1.29E-06	4.25E-03	6.69E-07	2.63E-07
1614	494911.06, 3858751.99	2.41E-03	3.80E-07	1.49E-07	2.61E-03	4.11E-07	1.27E-06	4.15E-03	6.54E-07	2.57E-07
1615	494961.06, 3858751.99	2.37E-03	3.74E-07	1.47E-07	2.56E-03	4.04E-07	1.24E-06	4.08E-03	6.43E-07	2.53E-07
1616	495011.06, 3858751.99	2.35E-03	3.70E-07	1.45E-07	2.53E-03	3.99E-07	1.23E-06	4.04E-03	6.36E-07	2.50E-07
1617	495061.06, 3858751.99	2.31E-03	3.63E-07	1.43E-07	2.49E-03	3.92E-07	1.21E-06	3.96E-03	6.24E-07	2.45E-07
1618	495111.06, 3858751.99	2.26E-03	3.56E-07	1.40E-07	2.44E-03	3.84E-07	1.18E-06	3.88E-03	6.11E-07	2.40E-07
1619	495161.06, 3858751.99	2.23E-03	3.51E-07	1.38E-07	2.41E-03	3.79E-07	1.17E-06	3.83E-03	6.04E-07	2.37E-07
1620	495211.06, 3858751.99	2.19E-03	3.46E-07	1.36E-07	2.37E-03	3.73E-07	1.15E-06	3.77E-03	5.94E-07	2.33E-07
1621	495261.06, 3858751.99	2.18E-03	3.44E-07	1.35E-07	2.36E-03	3.71E-07	1.14E-06	3.75E-03	5.91E-07	2.32E-07
1622	495311.06, 3858751.99	2.17E-03	3.42E-07	1.35E-07	2.35E-03	3.70E-07	1.14E-06	3.74E-03	5.89E-07	2.31E-07
1623	495361.06, 3858751.99	2.16E-03	3.40E-07	1.34E-07	2.33E-03	3.67E-07	1.13E-06	3.71E-03	5.85E-07	2.30E-07
1624	495411.06, 3858751.99	2.16E-03	3.40E-07	1.34E-07	2.33E-03	3.67E-07	1.13E-06	3.71E-03	5.84E-07	2.30E-07
1625	495461.06, 3858751.99	2.15E-03	3.38E-07	1.33E-07	2.32E-03	3.65E-07	1.12E-06	3.69E-03	5.81E-07	2.28E-07
1626	495511.06, 3858751.99	2.13E-03	3.35E-07	1.32E-07	2.30E-03	3.62E-07	1.12E-06	3.66E-03	5.77E-07	2.27E-07
1627	495561.06, 3858751.99	2.11E-03	3.32E-07	1.31E-07	2.28E-03	3.59E-07	1.11E-06	3.63E-03	5.71E-07	2.24E-07
1628	495611.06, 3858751.99	2.09E-03	3.29E-07	1.29E-07	2.26E-03	3.55E-07	1.09E-06	3.59E-03	5.66E-07	2.22E-07
1629	495661.06, 3858751.99	2.07E-03	3.27E-07	1.28E-07	2.24E-03	3.53E-07	1.09E-06	3.57E-03	5.62E-07	2.21E-07
1630	494311.06, 3858801.99	2.59E-03	4.08E-07	1.60E-07	2.80E-03	4.41E-07	1.36E-06	4.45E-03	7.02E-07	2.76E-07
1631	494361.06, 3858801.99	2.76E-03	4.34E-07	1.71E-07	2.98E-03	4.69E-07	1.44E-06	4.74E-03	7.47E-07	2.94E-07
1632	494411.06, 3858801.99	2.79E-03	4.40E-07	1.73E-07	3.02E-03	4.75E-07	1.46E-06	4.81E-03	7.57E-07	2.98E-07
1633	494461.06, 3858801.99	2.81E-03	4.43E-07	1.74E-07	3.03E-03	4.78E-07	1.47E-06	4.83E-03	7.62E-07	2.99E-07
1634	494511.06, 3858801.99	2.82E-03	4.44E-07	1.75E-07	3.05E-03	4.80E-07	1.48E-06	4.85E-03	7.65E-07	3.00E-07
1635	494561.06, 3858801.99	2.80E-03	4.42E-07	1.74E-07	3.03E-03	4.77E-07	1.47E-06	4.82E-03	7.60E-07	2.99E-07
1636	494611.06, 3858801.99	2.77E-03	4.37E-07	1.72E-07	3.00E-03	4.72E-07	1.45E-06	4.77E-03	7.52E-07	2.95E-07
1637	494661.06, 3858801.99	2.73E-03	4.29E-07	1.69E-07	2.94E-03	4.64E-07	1.43E-06	4.69E-03	7.39E-07	2.90E-07
1638	494711.06, 3858801.99	2.67E-03	4.20E-07	1.65E-07	2.88E-03	4.54E-07	1.40E-06	4.59E-03	7.23E-07	2.84E-07
1639	494761.06, 3858801.99	2.60E-03	4.10E-07	1.61E-07	2.81E-03	4.43E-07	1.36E-06	4.48E-03	7.05E-07	2.77E-07
1640	494811.06, 3858801.99	2.53E-03	3.99E-07	1.57E-07	2.74E-03	4.31E-07	1.33E-06	4.36E-03	6.87E-07	2.70E-07
1641	494861.06, 3858801.99	2.50E-03	3.94E-07	1.55E-07	2.70E-03	4.25E-07	1.31E-06	4.30E-03	6.77E-07	2.66E-07
1642	494911.06, 3858801.99	2.45E-03	3.85E-07	1.51E-07	2.64E-03	4.16E-07	1.28E-06	4.21E-03	6.62E-07	2.60E-07
1643	494961.06, 3858801.99	2.41E-03	3.79E-07	1.49E-07	2.60E-03	4.09E-07	1.26E-06	4.14E-03	6.52E-07	2.56E-07
1644	495011.06, 3858801.99	2.36E-03	3.72E-07	1.46E-07	2.55E-03	4.02E-07	1.24E-06	4.06E-03	6.40E-07	2.52E-07
1645	495061.06, 3858801.99	2.34E-03	3.68E-07	1.45E-07	2.52E-03	3.98E-07	1.22E-06	4.02E-03	6.33E-07	2.49E-07
1646	495111.06, 3858801.99	2.28E-03	3.60E-07	1.41E-07	2.47E-03	3.88E-07	1.20E-06	3.92E-03	6.18E-07	2.43E-07
1647	495161.06, 3858801.99	2.24E-03	3.54E-07	1.39E-07	2.42E-03	3.82E-07	1.18E-06	3.86E-03	6.08E-07	2.39E-07
1648	495211.06, 3858801.99	2.22E-03	3.50E-07	1.38E-07	2.40E-03	3.78E-07	1.16E-06	3.82E-03	6.02E-07	2.37E-07
1649	495261.06, 3858801.99	2.21E-03	3.49E-07	1.37E-07	2.39E-03	3.76E-07	1.16E-06	3.80E-03	5.99E-07	2.35E-07
1650	495311.06, 3858801.99	2.21E-03	3.48E-07	1.37E-07	2.38E-03	3.75E-07	1.16E-06	3.79E-03	5.97E-07	2.35E-07
1651	495361.06, 3858801.99	2.19E-03	3.46E-07	1.36E-07	2.37E-03	3.73E-07	1.15E-06	3.77E-03	5.94E-07	2.33E-07
1652	495411.06, 3858801.99	2.20E-03	3.46E-07	1.36E-07	2.37E-03	3.74E-07	1.15E-06	3.78E-03	5.95E-07	2.34E-07
1653	495461.06, 3858801.99	2.18E-03	3.44E-07	1.35E-07	2.36E-03	3.71E-07	1.14E-06	3.75E-03	5.91E-07	2.32E-07
1654	495511.06, 3858801.99	2.16E-03	3.41E-07	1.34E-07	2.34E-03	3.68E-07	1.13E-06	3.72E-03	5.86E-07	2.30E-07
1655	495561.06, 3858801.99	2.15E-03	3.38E-07	1.33E-07	2.32E-03	3.65E-07	1.12E-06	3.69E-03	5.81E-07	2.28E-07
1656	495611.06, 3858801.99	2.12E-03	3.34E-07	1.31E-07	2.29E-03	3.61E-07	1.11E-06	3.65E-03	5.74E-07	2.26E-07
1657	495661.06, 3858801.99	2.11E-03	3.32E-07	1.30E-07	2.28E-03	3.59E-07	1.10E-06	3.62E-03	5.71E-07	2.24E-07
1658	494311.06, 3858851.99	2.77E-03	4.37E-07	1.72E-07	2.99E-03	4.72E-07	1.45E-06	4.77E-03	7.51E-07	2.95E-07
1659	494361.06, 3858851.99	2.87E-03	4.52E-07	1.77E-07	3.10E-03	4.88E-07	1.50E-06	4.93E-03	7.77E-07	3.05E-07
1660	494411.06, 3858851.99	2.86E-03	4.50E-07	1.77E-07	3.08E-03	4.86E-07	1.50E-06	4.91E-03	7.74E-07	3.04E-07

1661	494461.06, 3858851.99	2.86E-03	4.50E-07	1.77E-07	3.09E-03	4.86E-07	1.50E-06	4.92E-03	7.75E-07	3.04E-07
1662	494511.06, 3858851.99	2.86E-03	4.50E-07	1.77E-07	3.08E-03	4.86E-07	1.50E-06	4.91E-03	7.74E-07	3.04E-07
1663	494561.06, 3858851.99	2.83E-03	4.46E-07	1.75E-07	3.06E-03	4.82E-07	1.49E-06	4.88E-03	7.69E-07	3.02E-07
1664	494611.06, 3858851.99	2.80E-03	4.41E-07	1.73E-07	3.02E-03	4.76E-07	1.47E-06	4.81E-03	7.58E-07	2.98E-07
1665	494661.06, 3858851.99	2.75E-03	4.33E-07	1.70E-07	2.97E-03	4.68E-07	1.44E-06	4.73E-03	7.46E-07	2.93E-07
1666	494711.06, 3858851.99	2.68E-03	4.23E-07	1.66E-07	2.90E-03	4.56E-07	1.41E-06	4.62E-03	7.27E-07	2.86E-07
1667	494761.06, 3858851.99	2.62E-03	4.13E-07	1.62E-07	2.83E-03	4.46E-07	1.37E-06	4.51E-03	7.10E-07	2.79E-07
1668	494811.06, 3858851.99	2.57E-03	4.04E-07	1.59E-07	2.77E-03	4.37E-07	1.34E-06	4.41E-03	6.95E-07	2.73E-07
1669	494861.06, 3858851.99	2.53E-03	3.99E-07	1.57E-07	2.73E-03	4.31E-07	1.33E-06	4.35E-03	6.86E-07	2.69E-07
1670	494911.06, 3858851.99	2.48E-03	3.91E-07	1.54E-07	2.68E-03	4.22E-07	1.30E-06	4.27E-03	6.73E-07	2.64E-07
1671	494961.06, 3858851.99	2.44E-03	3.85E-07	1.51E-07	2.64E-03	4.15E-07	1.28E-06	4.20E-03	6.61E-07	2.60E-07
1672	495011.06, 3858851.99	2.41E-03	3.79E-07	1.49E-07	2.60E-03	4.09E-07	1.26E-06	4.14E-03	6.52E-07	2.56E-07
1673	495061.06, 3858851.99	2.37E-03	3.73E-07	1.46E-07	2.56E-03	4.03E-07	1.24E-06	4.07E-03	6.41E-07	2.52E-07
1674	495111.06, 3858851.99	2.30E-03	3.62E-07	1.42E-07	2.48E-03	3.91E-07	1.20E-06	3.95E-03	6.22E-07	2.44E-07
1675	495161.06, 3858851.99	2.26E-03	3.56E-07	1.40E-07	2.44E-03	3.84E-07	1.18E-06	3.88E-03	6.12E-07	2.40E-07
1676	495211.06, 3858851.99	2.26E-03	3.56E-07	1.40E-07	2.44E-03	3.84E-07	1.18E-06	3.88E-03	6.12E-07	2.40E-07
1677	495261.06, 3858851.99	2.25E-03	3.54E-07	1.39E-07	2.43E-03	3.82E-07	1.18E-06	3.86E-03	6.09E-07	2.39E-07
1678	495311.06, 3858851.99	2.24E-03	3.53E-07	1.39E-07	2.42E-03	3.82E-07	1.18E-06	3.86E-03	6.08E-07	2.39E-07
1679	495361.06, 3858851.99	2.23E-03	3.52E-07	1.38E-07	2.41E-03	3.80E-07	1.17E-06	3.84E-03	6.05E-07	2.38E-07
1680	495411.06, 3858851.99	2.23E-03	3.51E-07	1.38E-07	2.40E-03	3.79E-07	1.17E-06	3.83E-03	6.03E-07	2.37E-07
1681	495461.06, 3858851.99	2.22E-03	3.49E-07	1.37E-07	2.40E-03	3.77E-07	1.16E-06	3.82E-03	6.01E-07	2.36E-07
1682	495511.06, 3858851.99	2.20E-03	3.47E-07	1.36E-07	2.38E-03	3.75E-07	1.15E-06	3.79E-03	5.97E-07	2.35E-07
1683	495561.06, 3858851.99	2.17E-03	3.42E-07	1.34E-07	2.34E-03	3.69E-07	1.14E-06	3.73E-03	5.88E-07	2.31E-07
1684	495611.06, 3858851.99	2.14E-03	3.37E-07	1.33E-07	2.31E-03	3.64E-07	1.12E-06	3.68E-03	5.80E-07	2.28E-07
1685	495661.06, 3858851.99	2.14E-03	3.36E-07	1.32E-07	2.31E-03	3.63E-07	1.12E-06	3.67E-03	5.78E-07	2.27E-07
1686	494311.06, 3858901.99	2.84E-03	4.48E-07	1.76E-07	3.07E-03	4.84E-07	1.49E-06	4.90E-03	7.71E-07	3.03E-07
1687	494361.06, 3858901.99	2.91E-03	4.59E-07	1.80E-07	3.15E-03	4.96E-07	1.53E-06	5.02E-03	7.90E-07	3.10E-07
1688	494411.06, 3858901.99	2.92E-03	4.59E-07	1.80E-07	3.15E-03	4.96E-07	1.53E-06	5.02E-03	7.91E-07	3.11E-07
1689	494461.06, 3858901.99	2.92E-03	4.60E-07	1.81E-07	3.16E-03	4.97E-07	1.53E-06	5.03E-03	7.93E-07	3.11E-07
1690	494511.06, 3858901.99	2.91E-03	4.59E-07	1.80E-07	3.15E-03	4.96E-07	1.53E-06	5.02E-03	7.91E-07	3.11E-07
1691	494561.06, 3858901.99	2.88E-03	4.53E-07	1.78E-07	3.11E-03	4.89E-07	1.51E-06	4.95E-03	7.80E-07	3.06E-07
1692	494611.06, 3858901.99	2.81E-03	4.43E-07	1.74E-07	3.03E-03	4.78E-07	1.47E-06	4.84E-03	7.62E-07	2.99E-07
1693	494661.06, 3858901.99	2.77E-03	4.37E-07	1.72E-07	2.99E-03	4.72E-07	1.45E-06	4.77E-03	7.52E-07	2.95E-07
1694	494711.06, 3858901.99	2.71E-03	4.27E-07	1.68E-07	2.93E-03	4.61E-07	1.42E-06	4.67E-03	7.35E-07	2.89E-07
1695	494761.06, 3858901.99	2.64E-03	4.16E-07	1.63E-07	2.85E-03	4.49E-07	1.38E-06	4.54E-03	7.16E-07	2.81E-07
1696	494811.06, 3858901.99	2.60E-03	4.09E-07	1.61E-07	2.81E-03	4.42E-07	1.36E-06	4.47E-03	7.04E-07	2.77E-07
1697	494861.06, 3858901.99	2.57E-03	4.04E-07	1.59E-07	2.77E-03	4.37E-07	1.34E-06	4.42E-03	6.96E-07	2.73E-07
1698	494911.06, 3858901.99	2.50E-03	3.94E-07	1.55E-07	2.70E-03	4.25E-07	1.31E-06	4.30E-03	6.77E-07	2.66E-07
1699	494961.06, 3858901.99	2.46E-03	3.88E-07	1.52E-07	2.66E-03	4.19E-07	1.29E-06	4.23E-03	6.67E-07	2.62E-07
1700	495011.06, 3858901.99	2.43E-03	3.82E-07	1.50E-07	2.62E-03	4.13E-07	1.27E-06	4.17E-03	6.57E-07	2.58E-07
1701	495061.06, 3858901.99	2.37E-03	3.74E-07	1.47E-07	2.56E-03	4.04E-07	1.24E-06	4.08E-03	6.43E-07	2.53E-07
1702	495111.06, 3858901.99	2.30E-03	3.63E-07	1.42E-07	2.49E-03	3.92E-07	1.21E-06	3.96E-03	6.23E-07	2.45E-07
1703	495161.06, 3858901.99	2.28E-03	3.59E-07	1.41E-07	2.46E-03	3.88E-07	1.19E-06	3.92E-03	6.17E-07	2.43E-07
1704	495211.06, 3858901.99	2.29E-03	3.61E-07	1.42E-07	2.47E-03	3.90E-07	1.20E-06	3.94E-03	6.21E-07	2.44E-07
1705	495261.06, 3858901.99	2.28E-03	3.60E-07	1.41E-07	2.47E-03	3.89E-07	1.20E-06	3.93E-03	6.19E-07	2.43E-07
1706	495311.06, 3858901.99	2.27E-03	3.58E-07	1.41E-07	2.45E-03	3.87E-07	1.19E-06	3.91E-03	6.16E-07	2.42E-07
1707	495361.06, 3858901.99	2.26E-03	3.56E-07	1.40E-07	2.44E-03	3.85E-07	1.19E-06	3.89E-03	6.13E-07	2.41E-07
1708	495411.06, 3858901.99	2.26E-03	3.56E-07	1.40E-07	2.44E-03	3.85E-07	1.19E-06	3.89E-03	6.13E-07	2.41E-07
1709	495461.06, 3858901.99	2.25E-03	3.54E-07	1.39E-07	2.43E-03	3.82E-07	1.18E-06	3.86E-03	6.09E-07	2.39E-07
1710	495511.06, 3858901.99	2.22E-03	3.50E-07	1.38E-07	2.40E-03	3.78E-07	1.16E-06	3.82E-03	6.02E-07	2.37E-07
1711	495561.06, 3858901.99	2.20E-03	3.47E-07	1.36E-07	2.38E-03	3.75E-07	1.15E-06	3.79E-03	5.97E-07	2.34E-07
1712	495611.06, 3858901.99	2.18E-03	3.43E-07	1.35E-07	2.35E-03	3.70E-07	1.14E-06	3.74E-03	5.89E-07	2.32E-07
1713	495661.06, 3858901.99	2.17E-03	3.42E-07	1.34E-07	2.34E-03	3.69E-07	1.14E-06	3.73E-03	5.88E-07	2.31E-07
1714	494311.06, 3858951.99	2.96E-03	4.66E-07	1.83E-07	3.19E-03	5.03E-07	1.55E-06	5.09E-03	8.02E-07	3.15E-07
1715	494361.06, 3858951.99	2.98E-03	4.70E-07	1.84E-07	3.22E-03	5.07E-07	1.56E-06	5.13E-03	8.09E-07	3.18E-07
1716	494411.06, 3858951.99	2.95E-03	4.65E-07	1.83E-07	3.19E-03	5.02E-07	1.55E-06	5.09E-03	8.01E-07	3.15E-07
1717	494461.06, 3858951.99	2.96E-03	4.67E-07	1.83E-07	3.20E-03	5.04E-07	1.55E-06	5.10E-03	8.04E-07	3.16E-07
1718	494511.06, 3858951.99	2.94E-03	4.63E-07	1.82E-07	3.18E-03	5.01E-07	1.54E-06	5.07E-03	7.98E-07	3.14E-07
1719	494561.06, 3858951.99	2.90E-03	4.58E-07	1.80E-07	3.14E-03	4.94E-07	1.52E-06	5.00E-03	7.88E-07	3.10E-07
1720	494611.06, 3858951.99	2.85E-03	4.49E-07	1.76E-07	3.08E-03	4.85E-07	1.49E-06	4.91E-03	7.73E-07	3.04E-07
1721	494661.06, 3858951.99	2.80E-03	4.41E-07	1.73E-07	3.02E-03	4.76E-07	1.47E-06	4.82E-03	7.59E-07	2.98E-07
1722	494711.06, 3858951.99	2.73E-03	4.29E-07	1.69E-07	2.94E-03	4.64E-07	1.43E-06	4.69E-03	7.39E-07	2.90E-07
1723	494761.06, 3858951.99	2.67E-03	4.21E-07	1.65E-07	2.89E-03	4.55E-07	1.40E-06	4.60E-03	7.25E-07	2.85E-07
1724	494811.06, 3858951.99	2.64E-03	4.15E-07	1.63E-07	2.85E-03	4.48E-07	1.38E-06	4.54E-03	7.15E-07	2.81E-07

1725	494861.06, 3858951.99	2.60E-03	4.09E-07	1.61E-07	2.81E-03	4.42E-07	1.36E-06	4.47E-03	7.05E-07	2.77E-07
1726	494911.06, 3858951.99	2.55E-03	4.01E-07	1.58E-07	2.75E-03	4.33E-07	1.33E-06	4.38E-03	6.90E-07	2.71E-07
1727	494961.06, 3858951.99	2.52E-03	3.97E-07	1.56E-07	2.72E-03	4.29E-07	1.32E-06	4.33E-03	6.83E-07	2.68E-07
1728	495011.06, 3858951.99	2.44E-03	3.84E-07	1.51E-07	2.63E-03	4.15E-07	1.28E-06	4.20E-03	6.61E-07	2.60E-07
1729	495061.06, 3858951.99	2.36E-03	3.72E-07	1.46E-07	2.55E-03	4.02E-07	1.24E-06	4.07E-03	6.40E-07	2.52E-07
1730	495111.06, 3858951.99	2.31E-03	3.63E-07	1.43E-07	2.49E-03	3.93E-07	1.21E-06	3.97E-03	6.25E-07	2.46E-07
1731	495161.06, 3858951.99	2.33E-03	3.67E-07	1.44E-07	2.52E-03	3.96E-07	1.22E-06	4.01E-03	6.31E-07	2.48E-07
1732	495211.06, 3858951.99	2.33E-03	3.66E-07	1.44E-07	2.51E-03	3.96E-07	1.22E-06	4.00E-03	6.30E-07	2.48E-07
1733	495261.06, 3858951.99	2.32E-03	3.66E-07	1.44E-07	2.51E-03	3.95E-07	1.22E-06	3.99E-03	6.29E-07	2.47E-07
1734	495311.06, 3858951.99	2.29E-03	3.61E-07	1.42E-07	2.47E-03	3.90E-07	1.20E-06	3.94E-03	6.21E-07	2.44E-07
1735	495361.06, 3858951.99	2.29E-03	3.61E-07	1.42E-07	2.47E-03	3.90E-07	1.20E-06	3.94E-03	6.20E-07	2.44E-07
1736	495411.06, 3858951.99	2.29E-03	3.61E-07	1.42E-07	2.47E-03	3.90E-07	1.20E-06	3.94E-03	6.21E-07	2.44E-07
1737	495461.06, 3858951.99	2.28E-03	3.59E-07	1.41E-07	2.46E-03	3.88E-07	1.19E-06	3.92E-03	6.18E-07	2.43E-07
1738	495511.06, 3858951.99	2.28E-03	3.58E-07	1.41E-07	2.46E-03	3.87E-07	1.19E-06	3.91E-03	6.17E-07	2.42E-07
1739	495561.06, 3858951.99	2.23E-03	3.52E-07	1.38E-07	2.41E-03	3.80E-07	1.17E-06	3.84E-03	6.06E-07	2.38E-07
1740	495611.06, 3858951.99	2.21E-03	3.48E-07	1.37E-07	2.39E-03	3.76E-07	1.16E-06	3.80E-03	5.99E-07	2.35E-07
1741	495661.06, 3858951.99	2.21E-03	3.48E-07	1.37E-07	2.38E-03	3.76E-07	1.16E-06	3.80E-03	5.98E-07	2.35E-07
1742	494311.06, 3859001.99	3.03E-03	4.78E-07	1.88E-07	3.27E-03	5.16E-07	1.59E-06	5.22E-03	8.23E-07	3.23E-07
1743	494361.06, 3859001.99	3.02E-03	4.76E-07	1.87E-07	3.27E-03	5.15E-07	1.58E-06	5.21E-03	8.21E-07	3.22E-07
1744	494411.06, 3859001.99	3.02E-03	4.75E-07	1.87E-07	3.26E-03	5.14E-07	1.58E-06	5.20E-03	8.19E-07	3.22E-07
1745	494461.06, 3859001.99	3.00E-03	4.72E-07	1.86E-07	3.24E-03	5.10E-07	1.57E-06	5.16E-03	8.14E-07	3.20E-07
1746	494511.06, 3859001.99	2.98E-03	4.69E-07	1.84E-07	3.22E-03	5.07E-07	1.56E-06	5.13E-03	8.08E-07	3.18E-07
1747	494561.06, 3859001.99	2.93E-03	4.61E-07	1.81E-07	3.16E-03	4.98E-07	1.53E-06	5.04E-03	7.94E-07	3.12E-07
1748	494611.06, 3859001.99	2.88E-03	4.53E-07	1.78E-07	3.11E-03	4.89E-07	1.51E-06	4.95E-03	7.80E-07	3.07E-07
1749	494661.06, 3859001.99	2.82E-03	4.44E-07	1.74E-07	3.04E-03	4.79E-07	1.48E-06	4.85E-03	7.64E-07	3.00E-07
1750	494711.06, 3859001.99	2.75E-03	4.32E-07	1.70E-07	2.97E-03	4.67E-07	1.44E-06	4.73E-03	7.45E-07	2.92E-07
1751	494761.06, 3859001.99	2.70E-03	4.26E-07	1.67E-07	2.92E-03	4.60E-07	1.42E-06	4.65E-03	7.33E-07	2.88E-07
1752	494811.06, 3859001.99	2.68E-03	4.22E-07	1.66E-07	2.89E-03	4.56E-07	1.40E-06	4.61E-03	7.26E-07	2.85E-07
1753	494861.06, 3859001.99	2.63E-03	4.15E-07	1.63E-07	2.84E-03	4.48E-07	1.38E-06	4.53E-03	7.13E-07	2.80E-07
1754	494911.06, 3859001.99	2.58E-03	4.07E-07	1.60E-07	2.79E-03	4.39E-07	1.35E-06	4.44E-03	7.00E-07	2.75E-07
1755	494961.06, 3859001.99	2.53E-03	3.99E-07	1.57E-07	2.74E-03	4.31E-07	1.33E-06	4.36E-03	6.87E-07	2.70E-07
1756	495011.06, 3859001.99	2.40E-03	3.79E-07	1.49E-07	2.60E-03	4.09E-07	1.26E-06	4.14E-03	6.51E-07	2.56E-07
1757	495061.06, 3859001.99	2.38E-03	3.75E-07	1.47E-07	2.57E-03	4.05E-07	1.25E-06	4.09E-03	6.44E-07	2.53E-07
1758	495111.06, 3859001.99	2.32E-03	3.66E-07	1.44E-07	2.51E-03	3.95E-07	1.22E-06	4.00E-03	6.30E-07	2.47E-07
1759	495161.06, 3859001.99	2.36E-03	3.72E-07	1.46E-07	2.55E-03	4.02E-07	1.24E-06	4.07E-03	6.41E-07	2.52E-07
1760	495211.06, 3859001.99	2.35E-03	3.70E-07	1.46E-07	2.54E-03	4.00E-07	1.23E-06	4.04E-03	6.37E-07	2.50E-07
1761	495261.06, 3859001.99	2.35E-03	3.70E-07	1.45E-07	2.54E-03	4.00E-07	1.23E-06	4.04E-03	6.37E-07	2.50E-07
1762	495311.06, 3859001.99	2.33E-03	3.68E-07	1.44E-07	2.52E-03	3.97E-07	1.22E-06	4.02E-03	6.33E-07	2.49E-07
1763	495361.06, 3859001.99	2.33E-03	3.67E-07	1.44E-07	2.52E-03	3.97E-07	1.22E-06	4.01E-03	6.32E-07	2.48E-07
1764	495411.06, 3859001.99	2.32E-03	3.66E-07	1.44E-07	2.51E-03	3.95E-07	1.22E-06	3.99E-03	6.29E-07	2.47E-07
1765	495461.06, 3859001.99	2.32E-03	3.65E-07	1.43E-07	2.50E-03	3.94E-07	1.21E-06	3.98E-03	6.27E-07	2.47E-07
1766	495511.06, 3859001.99	2.28E-03	3.60E-07	1.41E-07	2.47E-03	3.88E-07	1.20E-06	3.93E-03	6.19E-07	2.43E-07
1767	495561.06, 3859001.99	2.27E-03	3.57E-07	1.40E-07	2.45E-03	3.85E-07	1.19E-06	3.90E-03	6.14E-07	2.41E-07
1768	495611.06, 3859001.99	2.24E-03	3.54E-07	1.39E-07	2.42E-03	3.82E-07	1.18E-06	3.86E-03	6.08E-07	2.39E-07
1769	495661.06, 3859001.99	2.26E-03	3.55E-07	1.40E-07	2.44E-03	3.84E-07	1.18E-06	3.88E-03	6.11E-07	2.40E-07
1770	494311.06, 3859051.99	3.08E-03	4.86E-07	1.91E-07	3.33E-03	5.25E-07	1.62E-06	5.31E-03	8.37E-07	3.29E-07
1771	494361.06, 3859051.99	3.09E-03	4.86E-07	1.91E-07	3.33E-03	5.25E-07	1.62E-06	5.31E-03	8.37E-07	3.29E-07
1772	494411.06, 3859051.99	3.06E-03	4.82E-07	1.89E-07	3.30E-03	5.20E-07	1.60E-06	5.27E-03	8.30E-07	3.26E-07
1773	494461.06, 3859051.99	3.02E-03	4.76E-07	1.87E-07	3.27E-03	5.15E-07	1.58E-06	5.21E-03	8.21E-07	3.22E-07
1774	494511.06, 3859051.99	2.98E-03	4.70E-07	1.84E-07	3.22E-03	5.07E-07	1.56E-06	5.13E-03	8.09E-07	3.18E-07
1775	494561.06, 3859051.99	2.94E-03	4.64E-07	1.82E-07	3.18E-03	5.01E-07	1.54E-06	5.07E-03	7.99E-07	3.14E-07
1776	494611.06, 3859051.99	2.89E-03	4.56E-07	1.79E-07	3.13E-03	4.92E-07	1.52E-06	4.98E-03	7.85E-07	3.08E-07
1777	494661.06, 3859051.99	2.84E-03	4.47E-07	1.76E-07	3.07E-03	4.83E-07	1.49E-06	4.89E-03	7.70E-07	3.03E-07
1778	494711.06, 3859051.99	2.79E-03	4.39E-07	1.73E-07	3.01E-03	4.74E-07	1.46E-06	4.80E-03	7.56E-07	2.97E-07
1779	494761.06, 3859051.99	2.74E-03	4.31E-07	1.69E-07	2.95E-03	4.65E-07	1.43E-06	4.71E-03	7.42E-07	2.92E-07
1780	494811.06, 3859051.99	2.70E-03	4.25E-07	1.67E-07	2.92E-03	4.59E-07	1.41E-06	4.65E-03	7.32E-07	2.88E-07
1781	494861.06, 3859051.99	2.66E-03	4.19E-07	1.65E-07	2.87E-03	4.53E-07	1.39E-06	4.58E-03	7.22E-07	2.84E-07
1782	494911.06, 3859051.99	2.60E-03	4.10E-07	1.61E-07	2.81E-03	4.43E-07	1.36E-06	4.48E-03	7.06E-07	2.77E-07
1783	494961.06, 3859051.99	2.52E-03	3.96E-07	1.56E-07	2.72E-03	4.28E-07	1.32E-06	4.33E-03	6.82E-07	2.68E-07
1784	495011.06, 3859051.99	2.45E-03	3.86E-07	1.52E-07	2.65E-03	4.17E-07	1.29E-06	4.22E-03	6.65E-07	2.61E-07
1785	495061.06, 3859051.99	2.41E-03	3.80E-07	1.49E-07	2.60E-03	4.10E-07	1.26E-06	4.15E-03	6.53E-07	2.57E-07
1786	495111.06, 3859051.99	2.39E-03	3.76E-07	1.48E-07	2.58E-03	4.06E-07	1.25E-06	4.11E-03	6.47E-07	2.54E-07
1787	495161.06, 3859051.99	2.41E-03	3.79E-07	1.49E-07	2.60E-03	4.09E-07	1.26E-06	4.14E-03	6.52E-07	2.56E-07
1788	495211.06, 3859051.99	2.38E-03	3.75E-07	1.47E-07	2.57E-03	4.05E-07	1.25E-06	4.09E-03	6.45E-07	2.53E-07

1789	495261.06, 3859051.99	2.39E-03	3.76E-07	1.48E-07	2.58E-03	4.06E-07	1.25E-06	4.10E-03	6.47E-07	2.54E-07
1790	495311.06, 3859051.99	2.37E-03	3.73E-07	1.46E-07	2.56E-03	4.03E-07	1.24E-06	4.07E-03	6.42E-07	2.52E-07
1791	495361.06, 3859051.99	2.36E-03	3.72E-07	1.46E-07	2.55E-03	4.01E-07	1.24E-06	4.06E-03	6.40E-07	2.51E-07
1792	495411.06, 3859051.99	2.36E-03	3.72E-07	1.46E-07	2.55E-03	4.01E-07	1.24E-06	4.06E-03	6.39E-07	2.51E-07
1793	495461.06, 3859051.99	2.36E-03	3.71E-07	1.46E-07	2.54E-03	4.01E-07	1.23E-06	4.06E-03	6.39E-07	2.51E-07
1794	495511.06, 3859051.99	2.32E-03	3.66E-07	1.44E-07	2.51E-03	3.95E-07	1.22E-06	4.00E-03	6.30E-07	2.47E-07
1795	495561.06, 3859051.99	2.30E-03	3.62E-07	1.42E-07	2.48E-03	3.91E-07	1.20E-06	3.95E-03	6.23E-07	2.45E-07
1796	495611.06, 3859051.99	2.28E-03	3.59E-07	1.41E-07	2.46E-03	3.87E-07	1.19E-06	3.92E-03	6.17E-07	2.42E-07
1797	495661.06, 3859051.99	2.29E-03	3.60E-07	1.41E-07	2.47E-03	3.89E-07	1.20E-06	3.93E-03	6.20E-07	2.43E-07
1798	494311.06, 3859101.99	3.14E-03	4.94E-07	1.94E-07	3.39E-03	5.34E-07	1.64E-06	5.41E-03	8.51E-07	3.35E-07
1799	494361.06, 3859101.99	3.11E-03	4.90E-07	1.93E-07	3.36E-03	5.30E-07	1.63E-06	5.36E-03	8.45E-07	3.32E-07
1800	494411.06, 3859101.99	3.09E-03	4.87E-07	1.91E-07	3.34E-03	5.26E-07	1.62E-06	5.33E-03	8.40E-07	3.30E-07
1801	494461.06, 3859101.99	3.06E-03	4.82E-07	1.89E-07	3.30E-03	5.20E-07	1.60E-06	5.27E-03	8.30E-07	3.26E-07
1802	494511.06, 3859101.99	3.01E-03	4.74E-07	1.86E-07	3.25E-03	5.12E-07	1.58E-06	5.18E-03	8.16E-07	3.21E-07
1803	494561.06, 3859101.99	2.97E-03	4.67E-07	1.84E-07	3.20E-03	5.05E-07	1.55E-06	5.11E-03	8.05E-07	3.16E-07
1804	494611.06, 3859101.99	2.90E-03	4.57E-07	1.80E-07	3.14E-03	4.94E-07	1.52E-06	5.00E-03	7.88E-07	3.10E-07
1805	494661.06, 3859101.99	2.86E-03	4.51E-07	1.77E-07	3.09E-03	4.87E-07	1.50E-06	4.93E-03	7.77E-07	3.05E-07
1806	494711.06, 3859101.99	2.79E-03	4.40E-07	1.73E-07	3.02E-03	4.75E-07	1.46E-06	4.81E-03	7.58E-07	2.98E-07
1807	494761.06, 3859101.99	2.78E-03	4.37E-07	1.72E-07	3.00E-03	4.72E-07	1.45E-06	4.78E-03	7.53E-07	2.96E-07
1808	494811.06, 3859101.99	2.73E-03	4.30E-07	1.69E-07	2.95E-03	4.64E-07	1.43E-06	4.70E-03	7.40E-07	2.91E-07
1809	494861.06, 3859101.99	2.69E-03	4.24E-07	1.66E-07	2.90E-03	4.57E-07	1.41E-06	4.63E-03	7.29E-07	2.87E-07
1810	494911.06, 3859101.99	2.63E-03	4.14E-07	1.63E-07	2.84E-03	4.47E-07	1.38E-06	4.53E-03	7.13E-07	2.80E-07
1811	494961.06, 3859101.99	2.54E-03	4.00E-07	1.57E-07	2.74E-03	4.32E-07	1.33E-06	4.37E-03	6.88E-07	2.70E-07
1812	495011.06, 3859101.99	2.44E-03	3.85E-07	1.51E-07	2.64E-03	4.16E-07	1.28E-06	4.20E-03	6.62E-07	2.60E-07
1813	495061.06, 3859101.99	2.44E-03	3.85E-07	1.51E-07	2.64E-03	4.16E-07	1.28E-06	4.20E-03	6.62E-07	2.60E-07
1814	495111.06, 3859101.99	2.42E-03	3.81E-07	1.50E-07	2.61E-03	4.11E-07	1.27E-06	4.16E-03	6.55E-07	2.57E-07
1815	495161.06, 3859101.99	2.43E-03	3.84E-07	1.51E-07	2.63E-03	4.14E-07	1.28E-06	4.19E-03	6.60E-07	2.59E-07
1816	495211.06, 3859101.99	2.42E-03	3.80E-07	1.49E-07	2.61E-03	4.11E-07	1.27E-06	4.16E-03	6.55E-07	2.57E-07
1817	495261.06, 3859101.99	2.41E-03	3.80E-07	1.49E-07	2.60E-03	4.10E-07	1.26E-06	4.15E-03	6.54E-07	2.57E-07
1818	495311.06, 3859101.99	2.40E-03	3.79E-07	1.49E-07	2.60E-03	4.09E-07	1.26E-06	4.14E-03	6.52E-07	2.56E-07
1819	495361.06, 3859101.99	2.40E-03	3.79E-07	1.49E-07	2.60E-03	4.09E-07	1.26E-06	4.14E-03	6.52E-07	2.56E-07
1820	495411.06, 3859101.99	2.40E-03	3.78E-07	1.48E-07	2.59E-03	4.08E-07	1.26E-06	4.13E-03	6.50E-07	2.55E-07
1821	495461.06, 3859101.99	2.38E-03	3.74E-07	1.47E-07	2.57E-03	4.04E-07	1.24E-06	4.09E-03	6.44E-07	2.53E-07
1822	495511.06, 3859101.99	2.36E-03	3.72E-07	1.46E-07	2.55E-03	4.02E-07	1.24E-06	4.07E-03	6.41E-07	2.52E-07
1823	495561.06, 3859101.99	2.34E-03	3.69E-07	1.45E-07	2.53E-03	3.98E-07	1.23E-06	4.03E-03	6.35E-07	2.49E-07
1824	495611.06, 3859101.99	2.32E-03	3.65E-07	1.43E-07	2.50E-03	3.94E-07	1.21E-06	3.98E-03	6.28E-07	2.47E-07
1825	495661.06, 3859101.99	2.31E-03	3.64E-07	1.43E-07	2.50E-03	3.94E-07	1.21E-06	3.98E-03	6.27E-07	2.46E-07
1826	494311.06, 3859151.99	3.17E-03	4.99E-07	1.96E-07	3.42E-03	5.39E-07	1.66E-06	5.46E-03	8.60E-07	3.38E-07
1827	494361.06, 3859151.99	3.15E-03	4.96E-07	1.95E-07	3.40E-03	5.36E-07	1.65E-06	5.43E-03	8.55E-07	3.36E-07
1828	494411.06, 3859151.99	3.11E-03	4.90E-07	1.93E-07	3.36E-03	5.29E-07	1.63E-06	5.36E-03	8.44E-07	3.32E-07
1829	494461.06, 3859151.99	3.07E-03	4.84E-07	1.90E-07	3.32E-03	5.22E-07	1.61E-06	5.29E-03	8.33E-07	3.27E-07
1830	494511.06, 3859151.99	3.02E-03	4.75E-07	1.87E-07	3.26E-03	5.13E-07	1.58E-06	5.20E-03	8.18E-07	3.22E-07
1831	494561.06, 3859151.99	2.98E-03	4.70E-07	1.85E-07	3.22E-03	5.08E-07	1.56E-06	5.14E-03	8.10E-07	3.18E-07
1832	494611.06, 3859151.99	2.93E-03	4.61E-07	1.81E-07	3.16E-03	4.98E-07	1.53E-06	5.05E-03	7.95E-07	3.12E-07
1833	494661.06, 3859151.99	2.89E-03	4.56E-07	1.79E-07	3.13E-03	4.92E-07	1.52E-06	4.98E-03	7.85E-07	3.08E-07
1834	494711.06, 3859151.99	2.86E-03	4.51E-07	1.77E-07	3.09E-03	4.87E-07	1.50E-06	4.93E-03	7.77E-07	3.05E-07
1835	494761.06, 3859151.99	2.80E-03	4.41E-07	1.73E-07	3.02E-03	4.76E-07	1.47E-06	4.82E-03	7.60E-07	2.98E-07
1836	494811.06, 3859151.99	2.75E-03	4.33E-07	1.70E-07	2.97E-03	4.67E-07	1.44E-06	4.73E-03	7.45E-07	2.93E-07
1837	494861.06, 3859151.99	2.71E-03	4.27E-07	1.68E-07	2.93E-03	4.62E-07	1.42E-06	4.67E-03	7.36E-07	2.89E-07
1838	494911.06, 3859151.99	2.65E-03	4.17E-07	1.64E-07	2.86E-03	4.50E-07	1.39E-06	4.56E-03	7.18E-07	2.82E-07
1839	494961.06, 3859151.99	2.56E-03	4.03E-07	1.58E-07	2.76E-03	4.35E-07	1.34E-06	4.40E-03	6.94E-07	2.73E-07
1840	495011.06, 3859151.99	2.47E-03	3.90E-07	1.53E-07	2.67E-03	4.21E-07	1.30E-06	4.26E-03	6.71E-07	2.63E-07
1841	495061.06, 3859151.99	2.47E-03	3.88E-07	1.53E-07	2.66E-03	4.20E-07	1.29E-06	4.24E-03	6.69E-07	2.63E-07
1842	495111.06, 3859151.99	2.45E-03	3.86E-07	1.52E-07	2.65E-03	4.17E-07	1.28E-06	4.22E-03	6.65E-07	2.61E-07
1843	495161.06, 3859151.99	2.47E-03	3.89E-07	1.53E-07	2.67E-03	4.20E-07	1.29E-06	4.25E-03	6.69E-07	2.63E-07
1844	495211.06, 3859151.99	2.46E-03	3.87E-07	1.52E-07	2.65E-03	4.18E-07	1.29E-06	4.23E-03	6.66E-07	2.62E-07
1845	495261.06, 3859151.99	2.44E-03	3.85E-07	1.51E-07	2.64E-03	4.16E-07	1.28E-06	4.21E-03	6.63E-07	2.60E-07
1846	495311.06, 3859151.99	2.44E-03	3.84E-07	1.51E-07	2.63E-03	4.14E-07	1.28E-06	4.19E-03	6.61E-07	2.60E-07
1847	495361.06, 3859151.99	2.43E-03	3.82E-07	1.50E-07	2.62E-03	4.13E-07	1.27E-06	4.18E-03	6.58E-07	2.58E-07
1848	495411.06, 3859151.99	2.44E-03	3.84E-07	1.51E-07	2.63E-03	4.15E-07	1.28E-06	4.20E-03	6.61E-07	2.60E-07
1849	495461.06, 3859151.99	2.43E-03	3.83E-07	1.50E-07	2.62E-03	4.13E-07	1.27E-06	4.18E-03	6.59E-07	2.59E-07
1850	495511.06, 3859151.99	2.40E-03	3.78E-07	1.49E-07	2.59E-03	4.08E-07	1.26E-06	4.13E-03	6.51E-07	2.56E-07
1851	495561.06, 3859151.99	2.38E-03	3.75E-07	1.47E-07	2.57E-03	4.05E-07	1.25E-06	4.10E-03	6.45E-07	2.53E-07
1852	495611.06, 3859151.99	2.36E-03	3.72E-07	1.46E-07	2.55E-03	4.02E-07	1.24E-06	4.06E-03	6.40E-07	2.52E-07

1853	495661.06, 3859151.99	2.35E-03	3.70E-07	1.45E-07	2.53E-03	3.99E-07	1.23E-06	4.04E-03	6.36E-07	2.50E-07
1854	494311.06, 3859201.99	3.19E-03	5.02E-07	1.97E-07	3.44E-03	5.42E-07	1.67E-06	5.49E-03	8.65E-07	3.40E-07
1855	494361.06, 3859201.99	3.16E-03	4.98E-07	1.96E-07	3.42E-03	5.38E-07	1.66E-06	5.45E-03	8.59E-07	3.37E-07
1856	494411.06, 3859201.99	3.13E-03	4.93E-07	1.94E-07	3.38E-03	5.33E-07	1.64E-06	5.39E-03	8.49E-07	3.34E-07
1857	494461.06, 3859201.99	3.08E-03	4.85E-07	1.91E-07	3.33E-03	5.24E-07	1.61E-06	5.31E-03	8.36E-07	3.28E-07
1858	494511.06, 3859201.99	3.05E-03	4.80E-07	1.89E-07	3.29E-03	5.19E-07	1.60E-06	5.25E-03	8.27E-07	3.25E-07
1859	494561.06, 3859201.99	2.99E-03	4.71E-07	1.85E-07	3.23E-03	5.09E-07	1.57E-06	5.15E-03	8.12E-07	3.19E-07
1860	494611.06, 3859201.99	2.95E-03	4.64E-07	1.82E-07	3.18E-03	5.02E-07	1.54E-06	5.08E-03	8.00E-07	3.14E-07
1861	494661.06, 3859201.99	2.91E-03	4.59E-07	1.80E-07	3.15E-03	4.96E-07	1.53E-06	5.02E-03	7.91E-07	3.11E-07
1862	494711.06, 3859201.99	2.88E-03	4.53E-07	1.78E-07	3.11E-03	4.90E-07	1.51E-06	4.96E-03	7.81E-07	3.07E-07
1863	494761.06, 3859201.99	2.82E-03	4.44E-07	1.75E-07	3.05E-03	4.80E-07	1.48E-06	4.86E-03	7.65E-07	3.01E-07
1864	494811.06, 3859201.99	2.77E-03	4.37E-07	1.72E-07	2.99E-03	4.72E-07	1.45E-06	4.77E-03	7.52E-07	2.95E-07
1865	494861.06, 3859201.99	2.72E-03	4.28E-07	1.68E-07	2.93E-03	4.62E-07	1.42E-06	4.68E-03	7.37E-07	2.89E-07
1866	494911.06, 3859201.99	2.64E-03	4.16E-07	1.64E-07	2.85E-03	4.50E-07	1.39E-06	4.55E-03	7.17E-07	2.82E-07
1867	494961.06, 3859201.99	2.57E-03	4.04E-07	1.59E-07	2.77E-03	4.37E-07	1.35E-06	4.42E-03	6.96E-07	2.74E-07
1868	495011.06, 3859201.99	2.47E-03	3.89E-07	1.53E-07	2.66E-03	4.20E-07	1.29E-06	4.25E-03	6.69E-07	2.63E-07
1869	495061.06, 3859201.99	2.50E-03	3.94E-07	1.55E-07	2.70E-03	4.26E-07	1.31E-06	4.31E-03	6.79E-07	2.67E-07
1870	495111.06, 3859201.99	2.50E-03	3.94E-07	1.55E-07	2.70E-03	4.26E-07	1.31E-06	4.31E-03	6.79E-07	2.67E-07
1871	495161.06, 3859201.99	2.50E-03	3.93E-07	1.54E-07	2.69E-03	4.25E-07	1.31E-06	4.30E-03	6.77E-07	2.66E-07
1872	495211.06, 3859201.99	2.47E-03	3.90E-07	1.53E-07	2.67E-03	4.21E-07	1.30E-06	4.26E-03	6.71E-07	2.64E-07
1873	495261.06, 3859201.99	2.47E-03	3.90E-07	1.53E-07	2.67E-03	4.21E-07	1.30E-06	4.26E-03	6.71E-07	2.64E-07
1874	495311.06, 3859201.99	2.47E-03	3.88E-07	1.53E-07	2.66E-03	4.20E-07	1.29E-06	4.25E-03	6.69E-07	2.63E-07
1875	495361.06, 3859201.99	2.46E-03	3.88E-07	1.52E-07	2.66E-03	4.19E-07	1.29E-06	4.24E-03	6.68E-07	2.62E-07
1876	495411.06, 3859201.99	2.47E-03	3.89E-07	1.53E-07	2.67E-03	4.20E-07	1.29E-06	4.25E-03	6.70E-07	2.63E-07
1877	495461.06, 3859201.99	2.46E-03	3.87E-07	1.52E-07	2.65E-03	4.18E-07	1.29E-06	4.23E-03	6.66E-07	2.62E-07
1878	495511.06, 3859201.99	2.44E-03	3.85E-07	1.51E-07	2.64E-03	4.16E-07	1.28E-06	4.21E-03	6.63E-07	2.60E-07
1879	495561.06, 3859201.99	2.41E-03	3.80E-07	1.49E-07	2.60E-03	4.10E-07	1.26E-06	4.15E-03	6.54E-07	2.57E-07
1880	495611.06, 3859201.99	2.39E-03	3.76E-07	1.48E-07	2.58E-03	4.06E-07	1.25E-06	4.11E-03	6.48E-07	2.54E-07
1881	495661.06, 3859201.99	2.37E-03	3.74E-07	1.47E-07	2.56E-03	4.04E-07	1.24E-06	4.09E-03	6.44E-07	2.53E-07
1882	494311.06, 3859251.99	3.20E-03	5.05E-07	1.98E-07	3.46E-03	5.45E-07	1.68E-06	5.52E-03	8.70E-07	3.42E-07
1883	494361.06, 3859251.99	3.17E-03	4.99E-07	1.96E-07	3.42E-03	5.39E-07	1.66E-06	5.46E-03	8.60E-07	3.38E-07
1884	494411.06, 3859251.99	3.12E-03	4.92E-07	1.93E-07	3.37E-03	5.31E-07	1.64E-06	5.38E-03	8.47E-07	3.33E-07
1885	494461.06, 3859251.99	3.09E-03	4.87E-07	1.91E-07	3.34E-03	5.26E-07	1.62E-06	5.32E-03	8.38E-07	3.29E-07
1886	494511.06, 3859251.99	3.03E-03	4.78E-07	1.88E-07	3.28E-03	5.16E-07	1.59E-06	5.23E-03	8.24E-07	3.24E-07
1887	494561.06, 3859251.99	3.00E-03	4.73E-07	1.86E-07	3.24E-03	5.10E-07	1.57E-06	5.17E-03	8.14E-07	3.20E-07
1888	494611.06, 3859251.99	2.95E-03	4.65E-07	1.83E-07	3.19E-03	5.02E-07	1.55E-06	5.09E-03	8.01E-07	3.15E-07
1889	494661.06, 3859251.99	2.93E-03	4.61E-07	1.81E-07	3.16E-03	4.98E-07	1.53E-06	5.04E-03	7.95E-07	3.12E-07
1890	494711.06, 3859251.99	2.89E-03	4.56E-07	1.79E-07	3.13E-03	4.92E-07	1.52E-06	4.98E-03	7.85E-07	3.08E-07
1891	494761.06, 3859251.99	2.80E-03	4.42E-07	1.74E-07	3.03E-03	4.77E-07	1.47E-06	4.83E-03	7.61E-07	2.99E-07
1892	494811.06, 3859251.99	2.79E-03	4.40E-07	1.73E-07	3.01E-03	4.75E-07	1.46E-06	4.81E-03	7.57E-07	2.98E-07
1893	494861.06, 3859251.99	2.71E-03	4.27E-07	1.68E-07	2.93E-03	4.61E-07	1.42E-06	4.67E-03	7.35E-07	2.89E-07
1894	494911.06, 3859251.99	2.64E-03	4.16E-07	1.63E-07	2.85E-03	4.49E-07	1.38E-06	4.54E-03	7.16E-07	2.81E-07
1895	494961.06, 3859251.99	2.60E-03	4.10E-07	1.61E-07	2.81E-03	4.43E-07	1.36E-06	4.48E-03	7.06E-07	2.77E-07
1896	495011.06, 3859251.99	2.56E-03	4.03E-07	1.58E-07	2.76E-03	4.35E-07	1.34E-06	4.40E-03	6.93E-07	2.72E-07
1897	495061.06, 3859251.99	2.56E-03	4.03E-07	1.58E-07	2.76E-03	4.35E-07	1.34E-06	4.41E-03	6.94E-07	2.73E-07
1898	495111.06, 3859251.99	2.54E-03	4.00E-07	1.57E-07	2.74E-03	4.32E-07	1.33E-06	4.38E-03	6.89E-07	2.71E-07
1899	495161.06, 3859251.99	2.53E-03	3.99E-07	1.57E-07	2.74E-03	4.31E-07	1.33E-06	4.36E-03	6.87E-07	2.70E-07
1900	495211.06, 3859251.99	2.51E-03	3.96E-07	1.56E-07	2.71E-03	4.28E-07	1.32E-06	4.33E-03	6.82E-07	2.68E-07
1901	495261.06, 3859251.99	2.51E-03	3.95E-07	1.55E-07	2.71E-03	4.27E-07	1.31E-06	4.32E-03	6.80E-07	2.67E-07
1902	495311.06, 3859251.99	2.51E-03	3.95E-07	1.55E-07	2.71E-03	4.27E-07	1.31E-06	4.32E-03	6.80E-07	2.67E-07
1903	495361.06, 3859251.99	2.50E-03	3.93E-07	1.54E-07	2.70E-03	4.25E-07	1.31E-06	4.30E-03	6.77E-07	2.66E-07
1904	495411.06, 3859251.99	2.50E-03	3.94E-07	1.55E-07	2.70E-03	4.25E-07	1.31E-06	4.31E-03	6.78E-07	2.67E-07
1905	495461.06, 3859251.99	2.49E-03	3.92E-07	1.54E-07	2.69E-03	4.23E-07	1.30E-06	4.28E-03	6.75E-07	2.65E-07
1906	495511.06, 3859251.99	2.46E-03	3.87E-07	1.52E-07	2.66E-03	4.18E-07	1.29E-06	4.24E-03	6.67E-07	2.62E-07
1907	495561.06, 3859251.99	2.44E-03	3.84E-07	1.51E-07	2.63E-03	4.15E-07	1.28E-06	4.20E-03	6.61E-07	2.60E-07
1908	495611.06, 3859251.99	2.41E-03	3.80E-07	1.49E-07	2.60E-03	4.10E-07	1.26E-06	4.15E-03	6.54E-07	2.57E-07
1909	495661.06, 3859251.99	2.39E-03	3.77E-07	1.48E-07	2.58E-03	4.07E-07	1.25E-06	4.12E-03	6.49E-07	2.55E-07
1910	494311.06, 3859301.99	3.21E-03	5.06E-07	1.99E-07	3.47E-03	5.46E-07	1.68E-06	5.53E-03	8.71E-07	3.42E-07
1911	494361.06, 3859301.99	3.17E-03	5.00E-07	1.96E-07	3.43E-03	5.40E-07	1.66E-06	5.47E-03	8.61E-07	3.38E-07
1912	494411.06, 3859301.99	3.13E-03	4.93E-07	1.94E-07	3.38E-03	5.32E-07	1.64E-06	5.39E-03	8.49E-07	3.33E-07
1913	494461.06, 3859301.99	3.08E-03	4.85E-07	1.91E-07	3.33E-03	5.24E-07	1.61E-06	5.31E-03	8.36E-07	3.28E-07
1914	494511.06, 3859301.99	3.04E-03	4.79E-07	1.88E-07	3.28E-03	5.17E-07	1.59E-06	5.24E-03	8.25E-07	3.24E-07
1915	494561.06, 3859301.99	3.01E-03	4.74E-07	1.86E-07	3.25E-03	5.11E-07	1.58E-06	5.18E-03	8.16E-07	3.20E-07
1916	494611.06, 3859301.99	2.97E-03	4.68E-07	1.84E-07	3.21E-03	5.05E-07	1.56E-06	5.11E-03	8.06E-07	3.17E-07

1917	494661.06, 3859301.99	2.93E-03	4.62E-07	1.81E-07	3.17E-03	4.99E-07	1.54E-06	5.05E-03	7.96E-07	3.13E-07
1918	494711.06, 3859301.99	2.89E-03	4.55E-07	1.79E-07	3.12E-03	4.91E-07	1.51E-06	4.97E-03	7.84E-07	3.08E-07
1919	494761.06, 3859301.99	2.85E-03	4.49E-07	1.76E-07	3.08E-03	4.85E-07	1.49E-06	4.91E-03	7.73E-07	3.04E-07
1920	494811.06, 3859301.99	2.79E-03	4.40E-07	1.73E-07	3.01E-03	4.75E-07	1.46E-06	4.81E-03	7.57E-07	2.97E-07
1921	494861.06, 3859301.99	2.71E-03	4.27E-07	1.68E-07	2.93E-03	4.61E-07	1.42E-06	4.67E-03	7.35E-07	2.89E-07
1922	494911.06, 3859301.99	2.67E-03	4.20E-07	1.65E-07	2.88E-03	4.54E-07	1.40E-06	4.60E-03	7.24E-07	2.84E-07
1923	494961.06, 3859301.99	2.59E-03	4.08E-07	1.60E-07	2.79E-03	4.40E-07	1.36E-06	4.46E-03	7.02E-07	2.76E-07
1924	495011.06, 3859301.99	2.56E-03	4.03E-07	1.58E-07	2.76E-03	4.35E-07	1.34E-06	4.41E-03	6.94E-07	2.73E-07
1925	495061.06, 3859301.99	2.59E-03	4.09E-07	1.61E-07	2.80E-03	4.41E-07	1.36E-06	4.47E-03	7.04E-07	2.77E-07
1926	495111.06, 3859301.99	2.55E-03	4.02E-07	1.58E-07	2.76E-03	4.34E-07	1.34E-06	4.40E-03	6.92E-07	2.72E-07
1927	495161.06, 3859301.99	2.54E-03	4.01E-07	1.57E-07	2.75E-03	4.33E-07	1.33E-06	4.38E-03	6.90E-07	2.71E-07
1928	495211.06, 3859301.99	2.55E-03	4.02E-07	1.58E-07	2.76E-03	4.35E-07	1.34E-06	4.40E-03	6.93E-07	2.72E-07
1929	495261.06, 3859301.99	2.55E-03	4.02E-07	1.58E-07	2.76E-03	4.34E-07	1.34E-06	4.40E-03	6.92E-07	2.72E-07
1930	495311.06, 3859301.99	2.52E-03	3.98E-07	1.56E-07	2.73E-03	4.29E-07	1.32E-06	4.35E-03	6.85E-07	2.69E-07
1931	495361.06, 3859301.99	2.53E-03	3.98E-07	1.56E-07	2.73E-03	4.30E-07	1.32E-06	4.35E-03	6.85E-07	2.69E-07
1932	495411.06, 3859301.99	2.52E-03	3.97E-07	1.56E-07	2.72E-03	4.28E-07	1.32E-06	4.34E-03	6.83E-07	2.68E-07
1933	495461.06, 3859301.99	2.51E-03	3.96E-07	1.55E-07	2.71E-03	4.27E-07	1.32E-06	4.33E-03	6.82E-07	2.68E-07
1934	495511.06, 3859301.99	2.49E-03	3.92E-07	1.54E-07	2.69E-03	4.23E-07	1.30E-06	4.28E-03	6.75E-07	2.65E-07
1935	495561.06, 3859301.99	2.45E-03	3.85E-07	1.51E-07	2.64E-03	4.16E-07	1.28E-06	4.21E-03	6.64E-07	2.61E-07
1936	495611.06, 3859301.99	2.43E-03	3.83E-07	1.50E-07	2.62E-03	4.13E-07	1.27E-06	4.18E-03	6.59E-07	2.59E-07
1937	495661.06, 3859301.99	2.41E-03	3.80E-07	1.49E-07	2.60E-03	4.10E-07	1.26E-06	4.15E-03	6.54E-07	2.57E-07
1938	494311.06, 3859351.99	3.20E-03	5.04E-07	1.98E-07	3.46E-03	5.44E-07	1.68E-06	5.51E-03	8.68E-07	3.41E-07
1939	494361.06, 3859351.99	3.16E-03	4.99E-07	1.96E-07	3.42E-03	5.38E-07	1.66E-06	5.45E-03	8.59E-07	3.37E-07
1940	494411.06, 3859351.99	3.12E-03	4.91E-07	1.93E-07	3.37E-03	5.30E-07	1.63E-06	5.37E-03	8.45E-07	3.32E-07
1941	494461.06, 3859351.99	3.07E-03	4.84E-07	1.90E-07	3.32E-03	5.23E-07	1.61E-06	5.29E-03	8.34E-07	3.28E-07
1942	494511.06, 3859351.99	3.04E-03	4.78E-07	1.88E-07	3.28E-03	5.17E-07	1.59E-06	5.23E-03	8.24E-07	3.24E-07
1943	494561.06, 3859351.99	3.01E-03	4.74E-07	1.86E-07	3.25E-03	5.12E-07	1.58E-06	5.18E-03	8.16E-07	3.21E-07
1944	494611.06, 3859351.99	2.97E-03	4.69E-07	1.84E-07	3.21E-03	5.06E-07	1.56E-06	5.12E-03	8.07E-07	3.17E-07
1945	494661.06, 3859351.99	2.94E-03	4.63E-07	1.82E-07	3.17E-03	5.00E-07	1.54E-06	5.06E-03	7.97E-07	3.13E-07
1946	494711.06, 3859351.99	2.89E-03	4.55E-07	1.79E-07	3.12E-03	4.92E-07	1.52E-06	4.98E-03	7.85E-07	3.08E-07
1947	494761.06, 3859351.99	2.83E-03	4.46E-07	1.75E-07	3.06E-03	4.82E-07	1.48E-06	4.88E-03	7.68E-07	3.02E-07
1948	494811.06, 3859351.99	2.75E-03	4.33E-07	1.70E-07	2.97E-03	4.68E-07	1.44E-06	4.73E-03	7.46E-07	2.93E-07
1949	494861.06, 3859351.99	2.72E-03	4.28E-07	1.68E-07	2.93E-03	4.62E-07	1.42E-06	4.68E-03	7.37E-07	2.90E-07
1950	494911.06, 3859351.99	2.70E-03	4.25E-07	1.67E-07	2.91E-03	4.59E-07	1.41E-06	4.64E-03	7.31E-07	2.87E-07
1951	494961.06, 3859351.99	2.66E-03	4.19E-07	1.65E-07	2.87E-03	4.52E-07	1.39E-06	4.58E-03	7.21E-07	2.83E-07
1952	495011.06, 3859351.99	2.63E-03	4.15E-07	1.63E-07	2.84E-03	4.48E-07	1.38E-06	4.53E-03	7.14E-07	2.81E-07
1953	495061.06, 3859351.99	2.65E-03	4.17E-07	1.64E-07	2.86E-03	4.51E-07	1.39E-06	4.56E-03	7.19E-07	2.82E-07
1954	495111.06, 3859351.99	2.62E-03	4.12E-07	1.62E-07	2.83E-03	4.46E-07	1.37E-06	4.51E-03	7.11E-07	2.79E-07
1955	495161.06, 3859351.99	2.61E-03	4.10E-07	1.61E-07	2.81E-03	4.43E-07	1.37E-06	4.49E-03	7.07E-07	2.78E-07
1956	495211.06, 3859351.99	2.59E-03	4.08E-07	1.60E-07	2.80E-03	4.41E-07	1.36E-06	4.46E-03	7.03E-07	2.76E-07
1957	495261.06, 3859351.99	2.59E-03	4.07E-07	1.60E-07	2.79E-03	4.40E-07	1.35E-06	4.45E-03	7.02E-07	2.76E-07
1958	495311.06, 3859351.99	2.56E-03	4.04E-07	1.59E-07	2.77E-03	4.36E-07	1.34E-06	4.41E-03	6.95E-07	2.73E-07
1959	495361.06, 3859351.99	2.55E-03	4.01E-07	1.58E-07	2.75E-03	4.34E-07	1.34E-06	4.39E-03	6.91E-07	2.72E-07
1960	495411.06, 3859351.99	2.54E-03	4.00E-07	1.57E-07	2.75E-03	4.33E-07	1.33E-06	4.38E-03	6.90E-07	2.71E-07
1961	495461.06, 3859351.99	2.54E-03	4.00E-07	1.57E-07	2.75E-03	4.32E-07	1.33E-06	4.38E-03	6.90E-07	2.71E-07
1962	495511.06, 3859351.99	2.51E-03	3.95E-07	1.55E-07	2.71E-03	4.27E-07	1.31E-06	4.32E-03	6.81E-07	2.67E-07
1963	495561.06, 3859351.99	2.48E-03	3.91E-07	1.54E-07	2.68E-03	4.22E-07	1.30E-06	4.28E-03	6.74E-07	2.65E-07
1964	495611.06, 3859351.99	2.47E-03	3.88E-07	1.53E-07	2.66E-03	4.20E-07	1.29E-06	4.25E-03	6.69E-07	2.63E-07
1965	495661.06, 3859351.99	2.43E-03	3.83E-07	1.50E-07	2.63E-03	4.14E-07	1.27E-06	4.19E-03	6.60E-07	2.59E-07
1966	494311.06, 3859401.99	3.19E-03	5.03E-07	1.98E-07	3.45E-03	5.43E-07	1.67E-06	5.50E-03	8.66E-07	3.40E-07
1967	494361.06, 3859401.99	3.15E-03	4.96E-07	1.95E-07	3.40E-03	5.36E-07	1.65E-06	5.42E-03	8.54E-07	3.36E-07
1968	494411.06, 3859401.99	3.10E-03	4.89E-07	1.92E-07	3.35E-03	5.28E-07	1.63E-06	5.34E-03	8.41E-07	3.30E-07
1969	494461.06, 3859401.99	3.06E-03	4.83E-07	1.90E-07	3.31E-03	5.21E-07	1.61E-06	5.28E-03	8.31E-07	3.27E-07
1970	494511.06, 3859401.99	3.04E-03	4.79E-07	1.88E-07	3.28E-03	5.17E-07	1.59E-06	5.24E-03	8.25E-07	3.24E-07
1971	494561.06, 3859401.99	3.01E-03	4.74E-07	1.86E-07	3.25E-03	5.12E-07	1.58E-06	5.19E-03	8.17E-07	3.21E-07
1972	494611.06, 3859401.99	2.97E-03	4.68E-07	1.84E-07	3.21E-03	5.06E-07	1.56E-06	5.12E-03	8.07E-07	3.17E-07
1973	494661.06, 3859401.99	2.95E-03	4.64E-07	1.82E-07	3.18E-03	5.01E-07	1.54E-06	5.08E-03	8.00E-07	3.14E-07
1974	494711.06, 3859401.99	2.91E-03	4.59E-07	1.80E-07	3.15E-03	4.96E-07	1.53E-06	5.02E-03	7.91E-07	3.11E-07
1975	494761.06, 3859401.99	2.85E-03	4.49E-07	1.76E-07	3.08E-03	4.85E-07	1.49E-06	4.91E-03	7.74E-07	3.04E-07
1976	494811.06, 3859401.99	2.80E-03	4.42E-07	1.74E-07	3.03E-03	4.77E-07	1.47E-06	4.83E-03	7.61E-07	2.99E-07
1977	494861.06, 3859401.99	2.74E-03	4.32E-07	1.70E-07	2.96E-03	4.67E-07	1.44E-06	4.73E-03	7.44E-07	2.92E-07
1978	494911.06, 3859401.99	2.71E-03	4.26E-07	1.67E-07	2.92E-03	4.60E-07	1.42E-06	4.66E-03	7.34E-07	2.89E-07
1979	494961.06, 3859401.99	2.69E-03	4.23E-07	1.66E-07	2.90E-03	4.57E-07	1.41E-06	4.63E-03	7.29E-07	2.86E-07
1980	495011.06, 3859401.99	2.67E-03	4.21E-07	1.65E-07	2.89E-03	4.55E-07	1.40E-06	4.60E-03	7.25E-07	2.85E-07

1981	495061.06, 3859401.99	2.66E-03	4.20E-07	1.65E-07	2.88E-03	4.53E-07	1.40E-06	4.59E-03	7.23E-07	2.84E-07
1982	495111.06, 3859401.99	2.63E-03	4.15E-07	1.63E-07	2.84E-03	4.48E-07	1.38E-06	4.54E-03	7.15E-07	2.81E-07
1983	495161.06, 3859401.99	2.62E-03	4.13E-07	1.62E-07	2.83E-03	4.47E-07	1.38E-06	4.52E-03	7.12E-07	2.80E-07
1984	495211.06, 3859401.99	2.62E-03	4.13E-07	1.62E-07	2.83E-03	4.46E-07	1.37E-06	4.52E-03	7.11E-07	2.79E-07
1985	495261.06, 3859401.99	2.61E-03	4.11E-07	1.61E-07	2.82E-03	4.44E-07	1.37E-06	4.49E-03	7.07E-07	2.78E-07
1986	495311.06, 3859401.99	2.59E-03	4.08E-07	1.60E-07	2.80E-03	4.41E-07	1.36E-06	4.46E-03	7.03E-07	2.76E-07
1987	495361.06, 3859401.99	2.59E-03	4.08E-07	1.60E-07	2.80E-03	4.41E-07	1.36E-06	4.46E-03	7.03E-07	2.76E-07
1988	495411.06, 3859401.99	2.58E-03	4.06E-07	1.60E-07	2.79E-03	4.39E-07	1.35E-06	4.44E-03	7.00E-07	2.75E-07
1989	495461.06, 3859401.99	2.56E-03	4.03E-07	1.58E-07	2.76E-03	4.35E-07	1.34E-06	4.41E-03	6.94E-07	2.73E-07
1990	495511.06, 3859401.99	2.53E-03	3.98E-07	1.56E-07	2.73E-03	4.30E-07	1.32E-06	4.35E-03	6.86E-07	2.69E-07
1991	495561.06, 3859401.99	2.49E-03	3.92E-07	1.54E-07	2.69E-03	4.24E-07	1.30E-06	4.29E-03	6.75E-07	2.65E-07
1992	495611.06, 3859401.99	2.47E-03	3.89E-07	1.53E-07	2.67E-03	4.20E-07	1.29E-06	4.25E-03	6.70E-07	2.63E-07
1993	495661.06, 3859401.99	2.45E-03	3.86E-07	1.52E-07	2.65E-03	4.17E-07	1.29E-06	4.23E-03	6.66E-07	2.62E-07
1994	494311.06, 3859451.99	3.17E-03	4.99E-07	1.96E-07	3.42E-03	5.39E-07	1.66E-06	5.45E-03	8.59E-07	3.37E-07
1995	494361.06, 3859451.99	3.13E-03	4.93E-07	1.94E-07	3.38E-03	5.32E-07	1.64E-06	5.38E-03	8.48E-07	3.33E-07
1996	494411.06, 3859451.99	3.07E-03	4.84E-07	1.90E-07	3.32E-03	5.23E-07	1.61E-06	5.29E-03	8.33E-07	3.27E-07
1997	494461.06, 3859451.99	3.05E-03	4.81E-07	1.89E-07	3.30E-03	5.19E-07	1.60E-06	5.26E-03	8.28E-07	3.25E-07
1998	494511.06, 3859451.99	3.02E-03	4.76E-07	1.87E-07	3.26E-03	5.14E-07	1.58E-06	5.20E-03	8.19E-07	3.22E-07
1999	494561.06, 3859451.99	2.99E-03	4.71E-07	1.85E-07	3.23E-03	5.09E-07	1.57E-06	5.15E-03	8.12E-07	3.19E-07
2000	494611.06, 3859451.99	2.98E-03	4.69E-07	1.84E-07	3.21E-03	5.06E-07	1.56E-06	5.13E-03	8.07E-07	3.17E-07
2001	494661.06, 3859451.99	2.94E-03	4.63E-07	1.82E-07	3.17E-03	5.00E-07	1.54E-06	5.06E-03	7.97E-07	3.13E-07
2002	494711.06, 3859451.99	2.90E-03	4.57E-07	1.80E-07	3.13E-03	4.94E-07	1.52E-06	5.00E-03	7.87E-07	3.09E-07
2003	494761.06, 3859451.99	2.87E-03	4.52E-07	1.78E-07	3.10E-03	4.88E-07	1.50E-06	4.94E-03	7.79E-07	3.06E-07
2004	494811.06, 3859451.99	2.82E-03	4.44E-07	1.75E-07	3.05E-03	4.80E-07	1.48E-06	4.86E-03	7.66E-07	3.01E-07
2005	494861.06, 3859451.99	2.78E-03	4.38E-07	1.72E-07	3.00E-03	4.73E-07	1.46E-06	4.79E-03	7.54E-07	2.96E-07
2006	494911.06, 3859451.99	2.75E-03	4.33E-07	1.70E-07	2.97E-03	4.68E-07	1.44E-06	4.74E-03	7.46E-07	2.93E-07
2007	494961.06, 3859451.99	2.73E-03	4.30E-07	1.69E-07	2.95E-03	4.65E-07	1.43E-06	4.71E-03	7.41E-07	2.91E-07
2008	495011.06, 3859451.99	2.71E-03	4.27E-07	1.68E-07	2.93E-03	4.61E-07	1.42E-06	4.67E-03	7.35E-07	2.89E-07
2009	495061.06, 3859451.99	2.69E-03	4.23E-07	1.66E-07	2.90E-03	4.57E-07	1.41E-06	4.63E-03	7.29E-07	2.86E-07
2010	495111.06, 3859451.99	2.66E-03	4.20E-07	1.65E-07	2.88E-03	4.53E-07	1.40E-06	4.59E-03	7.23E-07	2.84E-07
2011	495161.06, 3859451.99	2.65E-03	4.18E-07	1.64E-07	2.87E-03	4.51E-07	1.39E-06	4.57E-03	7.20E-07	2.83E-07
2012	495211.06, 3859451.99	2.65E-03	4.17E-07	1.64E-07	2.86E-03	4.51E-07	1.39E-06	4.56E-03	7.19E-07	2.82E-07
2013	495261.06, 3859451.99	2.64E-03	4.16E-07	1.63E-07	2.85E-03	4.49E-07	1.38E-06	4.55E-03	7.17E-07	2.82E-07
2014	495311.06, 3859451.99	2.62E-03	4.13E-07	1.62E-07	2.83E-03	4.46E-07	1.37E-06	4.52E-03	7.12E-07	2.80E-07
2015	495361.06, 3859451.99	2.61E-03	4.11E-07	1.61E-07	2.82E-03	4.44E-07	1.37E-06	4.50E-03	7.08E-07	2.78E-07
2016	495411.06, 3859451.99	2.59E-03	4.08E-07	1.60E-07	2.80E-03	4.41E-07	1.36E-06	4.46E-03	7.03E-07	2.76E-07
2017	495461.06, 3859451.99	2.58E-03	4.06E-07	1.59E-07	2.78E-03	4.38E-07	1.35E-06	4.44E-03	6.99E-07	2.75E-07
2018	495511.06, 3859451.99	2.54E-03	4.00E-07	1.57E-07	2.74E-03	4.32E-07	1.33E-06	4.38E-03	6.89E-07	2.71E-07
2019	495561.06, 3859451.99	2.52E-03	3.97E-07	1.56E-07	2.72E-03	4.29E-07	1.32E-06	4.34E-03	6.83E-07	2.69E-07
2020	495611.06, 3859451.99	2.50E-03	3.93E-07	1.55E-07	2.70E-03	4.25E-07	1.31E-06	4.30E-03	6.78E-07	2.66E-07
2021	495661.06, 3859451.99	2.48E-03	3.90E-07	1.53E-07	2.68E-03	4.22E-07	1.30E-06	4.27E-03	6.72E-07	2.64E-07
2022	494311.06, 3859501.99	3.14E-03	4.95E-07	1.95E-07	3.40E-03	5.35E-07	1.65E-06	5.41E-03	8.52E-07	3.35E-07
2023	494361.06, 3859501.99	3.11E-03	4.90E-07	1.92E-07	3.36E-03	5.29E-07	1.63E-06	5.35E-03	8.43E-07	3.31E-07
2024	494411.06, 3859501.99	3.04E-03	4.79E-07	1.88E-07	3.29E-03	5.18E-07	1.59E-06	5.24E-03	8.25E-07	3.24E-07
2025	494461.06, 3859501.99	3.04E-03	4.79E-07	1.88E-07	3.28E-03	5.17E-07	1.59E-06	5.24E-03	8.25E-07	3.24E-07
2026	494511.06, 3859501.99	3.01E-03	4.73E-07	1.86E-07	3.25E-03	5.11E-07	1.57E-06	5.17E-03	8.15E-07	3.20E-07
2027	494561.06, 3859501.99	2.97E-03	4.69E-07	1.84E-07	3.21E-03	5.06E-07	1.56E-06	5.12E-03	8.07E-07	3.17E-07
2028	494611.06, 3859501.99	2.98E-03	4.69E-07	1.84E-07	3.21E-03	5.06E-07	1.56E-06	5.12E-03	8.07E-07	3.17E-07
2029	494661.06, 3859501.99	2.94E-03	4.62E-07	1.82E-07	3.17E-03	5.00E-07	1.54E-06	5.06E-03	7.96E-07	3.13E-07
2030	494711.06, 3859501.99	2.89E-03	4.55E-07	1.79E-07	3.12E-03	4.91E-07	1.51E-06	4.97E-03	7.83E-07	3.08E-07
2031	494761.06, 3859501.99	2.88E-03	4.53E-07	1.78E-07	3.11E-03	4.90E-07	1.51E-06	4.96E-03	7.81E-07	3.07E-07
2032	494811.06, 3859501.99	2.81E-03	4.43E-07	1.74E-07	3.04E-03	4.79E-07	1.47E-06	4.85E-03	7.63E-07	3.00E-07
2033	494861.06, 3859501.99	2.79E-03	4.39E-07	1.73E-07	3.01E-03	4.74E-07	1.46E-06	4.80E-03	7.56E-07	2.97E-07
2034	494911.06, 3859501.99	2.77E-03	4.37E-07	1.72E-07	2.99E-03	4.72E-07	1.45E-06	4.78E-03	7.52E-07	2.96E-07
2035	494961.06, 3859501.99	2.74E-03	4.32E-07	1.70E-07	2.96E-03	4.66E-07	1.44E-06	4.72E-03	7.43E-07	2.92E-07
2036	495011.06, 3859501.99	2.72E-03	4.29E-07	1.69E-07	2.94E-03	4.64E-07	1.43E-06	4.69E-03	7.39E-07	2.90E-07
2037	495061.06, 3859501.99	2.71E-03	4.27E-07	1.68E-07	2.93E-03	4.61E-07	1.42E-06	4.67E-03	7.36E-07	2.89E-07
2038	495111.06, 3859501.99	2.68E-03	4.22E-07	1.66E-07	2.89E-03	4.56E-07	1.40E-06	4.62E-03	7.27E-07	2.86E-07
2039	495161.06, 3859501.99	2.67E-03	4.20E-07	1.65E-07	2.88E-03	4.54E-07	1.40E-06	4.60E-03	7.24E-07	2.84E-07
2040	495211.06, 3859501.99	2.66E-03	4.20E-07	1.65E-07	2.88E-03	4.53E-07	1.40E-06	4.59E-03	7.23E-07	2.84E-07
2041	495261.06, 3859501.99	2.65E-03	4.18E-07	1.64E-07	2.86E-03	4.51E-07	1.39E-06	4.57E-03	7.19E-07	2.83E-07
2042	495311.06, 3859501.99	2.64E-03	4.16E-07	1.63E-07	2.85E-03	4.49E-07	1.38E-06	4.55E-03	7.17E-07	2.82E-07
2043	495361.06, 3859501.99	2.63E-03	4.14E-07	1.62E-07	2.84E-03	4.47E-07	1.38E-06	4.52E-03	7.13E-07	2.80E-07
2044	495411.06, 3859501.99	2.61E-03	4.11E-07	1.62E-07	2.82E-03	4.44E-07	1.37E-06	4.50E-03	7.09E-07	2.78E-07

2045	495461.06, 3859501.99	2.59E-03	4.08E-07	1.60E-07	2.80E-03	4.41E-07	1.36E-06	4.47E-03	7.04E-07	2.76E-07
2046	495511.06, 3859501.99	2.55E-03	4.02E-07	1.58E-07	2.75E-03	4.34E-07	1.34E-06	4.39E-03	6.92E-07	2.72E-07
2047	495561.06, 3859501.99	2.54E-03	4.00E-07	1.57E-07	2.75E-03	4.32E-07	1.33E-06	4.38E-03	6.90E-07	2.71E-07
2048	495611.06, 3859501.99	2.52E-03	3.97E-07	1.56E-07	2.72E-03	4.29E-07	1.32E-06	4.34E-03	6.84E-07	2.69E-07
2049	495661.06, 3859501.99	2.49E-03	3.93E-07	1.54E-07	2.69E-03	4.24E-07	1.31E-06	4.30E-03	6.77E-07	2.66E-07
2050	494311.06, 3859551.99	3.12E-03	4.91E-07	1.93E-07	3.36E-03	5.30E-07	1.63E-06	5.36E-03	8.44E-07	3.32E-07
2051	494361.06, 3859551.99	3.08E-03	4.84E-07	1.90E-07	3.32E-03	5.23E-07	1.61E-06	5.29E-03	8.34E-07	3.27E-07
2052	494411.06, 3859551.99	3.01E-03	4.75E-07	1.86E-07	3.25E-03	5.13E-07	1.58E-06	5.19E-03	8.17E-07	3.21E-07
2053	494461.06, 3859551.99	3.02E-03	4.76E-07	1.87E-07	3.26E-03	5.14E-07	1.58E-06	5.20E-03	8.18E-07	3.22E-07
2054	494511.06, 3859551.99	2.99E-03	4.70E-07	1.85E-07	3.23E-03	5.08E-07	1.56E-06	5.14E-03	8.10E-07	3.18E-07
2055	494561.06, 3859551.99	2.96E-03	4.67E-07	1.83E-07	3.20E-03	5.04E-07	1.55E-06	5.10E-03	8.03E-07	3.16E-07
2056	494611.06, 3859551.99	2.95E-03	4.64E-07	1.82E-07	3.18E-03	5.02E-07	1.54E-06	5.07E-03	7.99E-07	3.14E-07
2057	494661.06, 3859551.99	2.93E-03	4.61E-07	1.81E-07	3.16E-03	4.98E-07	1.53E-06	5.04E-03	7.94E-07	3.12E-07
2058	494711.06, 3859551.99	2.86E-03	4.50E-07	1.77E-07	3.09E-03	4.86E-07	1.50E-06	4.92E-03	7.75E-07	3.04E-07
2059	494761.06, 3859551.99	2.87E-03	4.52E-07	1.78E-07	3.10E-03	4.88E-07	1.50E-06	4.94E-03	7.78E-07	3.06E-07
2060	494811.06, 3859551.99	2.82E-03	4.44E-07	1.74E-07	3.04E-03	4.80E-07	1.48E-06	4.85E-03	7.65E-07	3.00E-07
2061	494861.06, 3859551.99	2.80E-03	4.41E-07	1.73E-07	3.02E-03	4.76E-07	1.47E-06	4.82E-03	7.59E-07	2.98E-07
2062	494911.06, 3859551.99	2.77E-03	4.36E-07	1.71E-07	2.99E-03	4.71E-07	1.45E-06	4.77E-03	7.51E-07	2.95E-07
2063	494961.06, 3859551.99	2.75E-03	4.34E-07	1.70E-07	2.97E-03	4.69E-07	1.44E-06	4.74E-03	7.47E-07	2.94E-07
2064	495011.06, 3859551.99	2.74E-03	4.32E-07	1.70E-07	2.96E-03	4.67E-07	1.44E-06	4.73E-03	7.45E-07	2.92E-07
2065	495061.06, 3859551.99	2.72E-03	4.29E-07	1.69E-07	2.94E-03	4.63E-07	1.43E-06	4.69E-03	7.39E-07	2.90E-07
2066	495111.06, 3859551.99	2.70E-03	4.25E-07	1.67E-07	2.91E-03	4.59E-07	1.41E-06	4.64E-03	7.32E-07	2.87E-07
2067	495161.06, 3859551.99	2.69E-03	4.23E-07	1.66E-07	2.90E-03	4.57E-07	1.41E-06	4.63E-03	7.29E-07	2.86E-07
2068	495211.06, 3859551.99	2.68E-03	4.23E-07	1.66E-07	2.90E-03	4.56E-07	1.41E-06	4.62E-03	7.28E-07	2.86E-07
2069	495261.06, 3859551.99	2.66E-03	4.19E-07	1.65E-07	2.87E-03	4.53E-07	1.39E-06	4.58E-03	7.22E-07	2.84E-07
2070	495311.06, 3859551.99	2.64E-03	4.17E-07	1.64E-07	2.86E-03	4.50E-07	1.39E-06	4.55E-03	7.18E-07	2.82E-07
2071	495361.06, 3859551.99	2.63E-03	4.15E-07	1.63E-07	2.84E-03	4.48E-07	1.38E-06	4.53E-03	7.14E-07	2.81E-07
2072	495411.06, 3859551.99	2.62E-03	4.13E-07	1.62E-07	2.83E-03	4.46E-07	1.37E-06	4.52E-03	7.12E-07	2.80E-07
2073	495461.06, 3859551.99	2.59E-03	4.09E-07	1.61E-07	2.80E-03	4.41E-07	1.36E-06	4.47E-03	7.04E-07	2.77E-07
2074	495511.06, 3859551.99	2.56E-03	4.04E-07	1.59E-07	2.77E-03	4.36E-07	1.34E-06	4.42E-03	6.96E-07	2.73E-07
2075	495561.06, 3859551.99	2.55E-03	4.01E-07	1.58E-07	2.75E-03	4.33E-07	1.33E-06	4.39E-03	6.91E-07	2.72E-07
2076	495611.06, 3859551.99	2.53E-03	3.98E-07	1.57E-07	2.73E-03	4.30E-07	1.33E-06	4.36E-03	6.86E-07	2.70E-07
2077	495661.06, 3859551.99	2.51E-03	3.95E-07	1.55E-07	2.71E-03	4.26E-07	1.31E-06	4.32E-03	6.80E-07	2.67E-07
2078	494311.06, 3859601.99	3.09E-03	4.87E-07	1.91E-07	3.34E-03	5.26E-07	1.62E-06	5.31E-03	8.37E-07	3.29E-07
2079	494361.06, 3859601.99	3.03E-03	4.77E-07	1.87E-07	3.27E-03	5.15E-07	1.59E-06	5.21E-03	8.21E-07	3.23E-07
2080	494411.06, 3859601.99	2.99E-03	4.71E-07	1.85E-07	3.23E-03	5.09E-07	1.57E-06	5.15E-03	8.11E-07	3.19E-07
2081	494461.06, 3859601.99	3.00E-03	4.72E-07	1.85E-07	3.24E-03	5.10E-07	1.57E-06	5.15E-03	8.12E-07	3.19E-07
2082	494511.06, 3859601.99	2.95E-03	4.65E-07	1.83E-07	3.19E-03	5.02E-07	1.55E-06	5.08E-03	8.01E-07	3.15E-07
2083	494561.06, 3859601.99	2.95E-03	4.65E-07	1.83E-07	3.19E-03	5.02E-07	1.55E-06	5.08E-03	8.00E-07	3.14E-07
2084	494611.06, 3859601.99	2.94E-03	4.63E-07	1.82E-07	3.17E-03	5.00E-07	1.54E-06	5.06E-03	7.97E-07	3.13E-07
2085	494661.06, 3859601.99	2.89E-03	4.56E-07	1.79E-07	3.12E-03	4.92E-07	1.52E-06	4.98E-03	7.84E-07	3.08E-07
2086	494711.06, 3859601.99	2.85E-03	4.49E-07	1.76E-07	3.08E-03	4.84E-07	1.49E-06	4.90E-03	7.72E-07	3.03E-07
2087	494761.06, 3859601.99	2.87E-03	4.52E-07	1.78E-07	3.10E-03	4.88E-07	1.50E-06	4.94E-03	7.78E-07	3.06E-07
2088	494811.06, 3859601.99	2.82E-03	4.45E-07	1.75E-07	3.05E-03	4.80E-07	1.48E-06	4.86E-03	7.65E-07	3.01E-07
2089	494861.06, 3859601.99	2.80E-03	4.42E-07	1.73E-07	3.03E-03	4.77E-07	1.47E-06	4.83E-03	7.60E-07	2.99E-07
2090	494911.06, 3859601.99	2.77E-03	4.36E-07	1.71E-07	2.99E-03	4.71E-07	1.45E-06	4.76E-03	7.50E-07	2.95E-07
2091	494961.06, 3859601.99	2.77E-03	4.37E-07	1.72E-07	2.99E-03	4.72E-07	1.45E-06	4.77E-03	7.52E-07	2.95E-07
2092	495011.06, 3859601.99	2.73E-03	4.30E-07	1.69E-07	2.95E-03	4.65E-07	1.43E-06	4.70E-03	7.41E-07	2.91E-07
2093	495061.06, 3859601.99	2.73E-03	4.30E-07	1.69E-07	2.95E-03	4.64E-07	1.43E-06	4.70E-03	7.40E-07	2.91E-07
2094	495111.06, 3859601.99	2.70E-03	4.26E-07	1.67E-07	2.92E-03	4.60E-07	1.42E-06	4.65E-03	7.33E-07	2.88E-07
2095	495161.06, 3859601.99	2.69E-03	4.24E-07	1.67E-07	2.91E-03	4.58E-07	1.41E-06	4.64E-03	7.31E-07	2.87E-07
2096	495211.06, 3859601.99	2.68E-03	4.22E-07	1.66E-07	2.89E-03	4.56E-07	1.40E-06	4.61E-03	7.27E-07	2.85E-07
2097	495261.06, 3859601.99	2.67E-03	4.20E-07	1.65E-07	2.88E-03	4.54E-07	1.40E-06	4.59E-03	7.24E-07	2.84E-07
2098	495311.06, 3859601.99	2.66E-03	4.19E-07	1.65E-07	2.87E-03	4.52E-07	1.39E-06	4.58E-03	7.21E-07	2.83E-07
2099	495361.06, 3859601.99	2.64E-03	4.16E-07	1.63E-07	2.85E-03	4.49E-07	1.38E-06	4.55E-03	7.16E-07	2.81E-07
2100	495411.06, 3859601.99	2.63E-03	4.14E-07	1.63E-07	2.84E-03	4.48E-07	1.38E-06	4.53E-03	7.14E-07	2.80E-07
2101	495461.06, 3859601.99	2.60E-03	4.09E-07	1.61E-07	2.80E-03	4.42E-07	1.36E-06	4.47E-03	7.04E-07	2.77E-07
2102	495511.06, 3859601.99	2.57E-03	4.04E-07	1.59E-07	2.77E-03	4.37E-07	1.34E-06	4.42E-03	6.96E-07	2.74E-07
2103	495561.06, 3859601.99	2.56E-03	4.04E-07	1.59E-07	2.77E-03	4.36E-07	1.34E-06	4.41E-03	6.95E-07	2.73E-07
2104	495611.06, 3859601.99	2.53E-03	3.98E-07	1.56E-07	2.73E-03	4.30E-07	1.32E-06	4.35E-03	6.85E-07	2.69E-07
2105	495661.06, 3859601.99	2.52E-03	3.96E-07	1.56E-07	2.72E-03	4.28E-07	1.32E-06	4.33E-03	6.83E-07	2.68E-07
2106	494311.06, 3859651.99	3.04E-03	4.80E-07	1.88E-07	3.29E-03	5.18E-07	1.60E-06	5.23E-03	8.25E-07	3.24E-07
2107	494361.06, 3859651.99	2.99E-03	4.71E-07	1.85E-07	3.23E-03	5.09E-07	1.57E-06	5.15E-03	8.11E-07	3.18E-07
2108	494411.06, 3859651.99	2.97E-03	4.68E-07	1.84E-07	3.21E-03	5.06E-07	1.56E-06	5.11E-03	8.05E-07	3.16E-07

2109	494461.06, 3859651.99	2.97E-03	4.68E-07	1.84E-07	3.21E-03	5.06E-07	1.56E-06	5.11E-03	8.05E-07	3.16E-07
2110	494511.06, 3859651.99	2.95E-03	4.65E-07	1.83E-07	3.19E-03	5.02E-07	1.55E-06	5.07E-03	7.99E-07	3.14E-07
2111	494561.06, 3859651.99	2.94E-03	4.62E-07	1.82E-07	3.17E-03	4.99E-07	1.54E-06	5.05E-03	7.95E-07	3.12E-07
2112	494611.06, 3859651.99	2.92E-03	4.60E-07	1.81E-07	3.15E-03	4.97E-07	1.53E-06	5.02E-03	7.91E-07	3.11E-07
2113	494661.06, 3859651.99	2.87E-03	4.52E-07	1.78E-07	3.10E-03	4.88E-07	1.50E-06	4.94E-03	7.78E-07	3.06E-07
2114	494711.06, 3859651.99	2.86E-03	4.50E-07	1.77E-07	3.08E-03	4.86E-07	1.50E-06	4.91E-03	7.74E-07	3.04E-07
2115	494761.06, 3859651.99	2.85E-03	4.48E-07	1.76E-07	3.07E-03	4.84E-07	1.49E-06	4.90E-03	7.71E-07	3.03E-07
2116	494811.06, 3859651.99	2.82E-03	4.43E-07	1.74E-07	3.04E-03	4.79E-07	1.48E-06	4.84E-03	7.63E-07	3.00E-07
2117	494861.06, 3859651.99	2.80E-03	4.41E-07	1.73E-07	3.03E-03	4.77E-07	1.47E-06	4.82E-03	7.60E-07	2.98E-07
2118	494911.06, 3859651.99	2.78E-03	4.38E-07	1.72E-07	3.00E-03	4.73E-07	1.46E-06	4.78E-03	7.54E-07	2.96E-07
2119	494961.06, 3859651.99	2.76E-03	4.35E-07	1.71E-07	2.99E-03	4.70E-07	1.45E-06	4.76E-03	7.49E-07	2.94E-07
2120	495011.06, 3859651.99	2.74E-03	4.32E-07	1.70E-07	2.96E-03	4.67E-07	1.44E-06	4.72E-03	7.44E-07	2.92E-07
2121	495061.06, 3859651.99	2.73E-03	4.31E-07	1.69E-07	2.95E-03	4.65E-07	1.43E-06	4.70E-03	7.41E-07	2.91E-07
2122	495111.06, 3859651.99	2.71E-03	4.27E-07	1.68E-07	2.93E-03	4.61E-07	1.42E-06	4.67E-03	7.35E-07	2.89E-07
2123	495161.06, 3859651.99	2.70E-03	4.25E-07	1.67E-07	2.91E-03	4.59E-07	1.41E-06	4.64E-03	7.31E-07	2.87E-07
2124	495211.06, 3859651.99	2.68E-03	4.23E-07	1.66E-07	2.90E-03	4.57E-07	1.41E-06	4.62E-03	7.28E-07	2.86E-07
2125	495261.06, 3859651.99	2.67E-03	4.20E-07	1.65E-07	2.88E-03	4.54E-07	1.40E-06	4.59E-03	7.24E-07	2.84E-07
2126	495311.06, 3859651.99	2.66E-03	4.18E-07	1.64E-07	2.87E-03	4.52E-07	1.39E-06	4.57E-03	7.20E-07	2.83E-07
2127	495361.06, 3859651.99	2.64E-03	4.17E-07	1.64E-07	2.86E-03	4.50E-07	1.39E-06	4.55E-03	7.17E-07	2.82E-07
2128	495411.06, 3859651.99	2.63E-03	4.14E-07	1.63E-07	2.84E-03	4.47E-07	1.38E-06	4.52E-03	7.13E-07	2.80E-07
2129	495461.06, 3859651.99	2.60E-03	4.09E-07	1.61E-07	2.81E-03	4.42E-07	1.36E-06	4.47E-03	7.05E-07	2.77E-07
2130	495511.06, 3859651.99	2.57E-03	4.05E-07	1.59E-07	2.78E-03	4.37E-07	1.35E-06	4.43E-03	6.97E-07	2.74E-07
2131	495561.06, 3859651.99	2.56E-03	4.03E-07	1.58E-07	2.76E-03	4.35E-07	1.34E-06	4.41E-03	6.94E-07	2.73E-07
2132	495611.06, 3859651.99	2.54E-03	4.00E-07	1.57E-07	2.74E-03	4.32E-07	1.33E-06	4.37E-03	6.89E-07	2.71E-07
2133	495661.06, 3859651.99	2.52E-03	3.97E-07	1.56E-07	2.72E-03	4.29E-07	1.32E-06	4.34E-03	6.83E-07	2.68E-07
2134	494311.06, 3859701.99	2.97E-03	4.68E-07	1.84E-07	3.21E-03	5.06E-07	1.56E-06	5.11E-03	8.05E-07	3.16E-07
2135	494361.06, 3859701.99	2.95E-03	4.64E-07	1.82E-07	3.18E-03	5.01E-07	1.54E-06	5.07E-03	7.99E-07	3.14E-07
2136	494411.06, 3859701.99	2.94E-03	4.63E-07	1.82E-07	3.17E-03	5.00E-07	1.54E-06	5.05E-03	7.96E-07	3.13E-07
2137	494461.06, 3859701.99	2.95E-03	4.64E-07	1.82E-07	3.18E-03	5.01E-07	1.54E-06	5.06E-03	7.98E-07	3.13E-07
2138	494511.06, 3859701.99	2.93E-03	4.61E-07	1.81E-07	3.16E-03	4.98E-07	1.53E-06	5.03E-03	7.93E-07	3.11E-07
2139	494561.06, 3859701.99	2.91E-03	4.59E-07	1.80E-07	3.15E-03	4.96E-07	1.53E-06	5.01E-03	7.89E-07	3.10E-07
2140	494611.06, 3859701.99	2.90E-03	4.57E-07	1.79E-07	3.13E-03	4.93E-07	1.52E-06	4.99E-03	7.86E-07	3.09E-07
2141	494661.06, 3859701.99	2.85E-03	4.49E-07	1.76E-07	3.08E-03	4.85E-07	1.49E-06	4.90E-03	7.72E-07	3.03E-07
2142	494711.06, 3859701.99	2.84E-03	4.48E-07	1.76E-07	3.07E-03	4.84E-07	1.49E-06	4.89E-03	7.71E-07	3.03E-07
2143	494761.06, 3859701.99	2.82E-03	4.44E-07	1.75E-07	3.05E-03	4.80E-07	1.48E-06	4.85E-03	7.64E-07	3.00E-07
2144	494811.06, 3859701.99	2.80E-03	4.40E-07	1.73E-07	3.02E-03	4.76E-07	1.46E-06	4.81E-03	7.58E-07	2.98E-07
2145	494861.06, 3859701.99	2.79E-03	4.40E-07	1.73E-07	3.02E-03	4.75E-07	1.46E-06	4.81E-03	7.57E-07	2.97E-07
2146	494911.06, 3859701.99	2.77E-03	4.37E-07	1.72E-07	2.99E-03	4.72E-07	1.45E-06	4.77E-03	7.52E-07	2.95E-07
2147	494961.06, 3859701.99	2.75E-03	4.34E-07	1.70E-07	2.97E-03	4.68E-07	1.44E-06	4.74E-03	7.46E-07	2.93E-07
2148	495011.06, 3859701.99	2.74E-03	4.32E-07	1.70E-07	2.96E-03	4.67E-07	1.44E-06	4.72E-03	7.43E-07	2.92E-07
2149	495061.06, 3859701.99	2.73E-03	4.30E-07	1.69E-07	2.94E-03	4.64E-07	1.43E-06	4.69E-03	7.39E-07	2.90E-07
2150	495111.06, 3859701.99	2.71E-03	4.27E-07	1.68E-07	2.93E-03	4.61E-07	1.42E-06	4.66E-03	7.35E-07	2.89E-07
2151	495161.06, 3859701.99	2.69E-03	4.24E-07	1.67E-07	2.91E-03	4.58E-07	1.41E-06	4.63E-03	7.30E-07	2.87E-07
2152	495211.06, 3859701.99	2.67E-03	4.21E-07	1.65E-07	2.88E-03	4.54E-07	1.40E-06	4.60E-03	7.24E-07	2.85E-07
2153	495261.06, 3859701.99	2.67E-03	4.20E-07	1.65E-07	2.88E-03	4.54E-07	1.40E-06	4.59E-03	7.23E-07	2.84E-07
2154	495311.06, 3859701.99	2.65E-03	4.17E-07	1.64E-07	2.86E-03	4.51E-07	1.39E-06	4.56E-03	7.18E-07	2.82E-07
2155	495361.06, 3859701.99	2.63E-03	4.15E-07	1.63E-07	2.84E-03	4.48E-07	1.38E-06	4.53E-03	7.14E-07	2.80E-07
2156	495411.06, 3859701.99	2.61E-03	4.11E-07	1.61E-07	2.82E-03	4.44E-07	1.37E-06	4.49E-03	7.07E-07	2.78E-07
2157	495461.06, 3859701.99	2.59E-03	4.08E-07	1.60E-07	2.80E-03	4.41E-07	1.36E-06	4.46E-03	7.03E-07	2.76E-07
2158	495511.06, 3859701.99	2.55E-03	4.02E-07	1.58E-07	2.76E-03	4.35E-07	1.34E-06	4.40E-03	6.93E-07	2.72E-07
2159	495561.06, 3859701.99	2.56E-03	4.03E-07	1.58E-07	2.76E-03	4.35E-07	1.34E-06	4.40E-03	6.93E-07	2.72E-07
2160	495611.06, 3859701.99	2.54E-03	4.00E-07	1.57E-07	2.74E-03	4.32E-07	1.33E-06	4.37E-03	6.89E-07	2.71E-07
2161	495661.06, 3859701.99	2.52E-03	3.97E-07	1.56E-07	2.72E-03	4.29E-07	1.32E-06	4.34E-03	6.84E-07	2.69E-07
2162	494311.06, 3859751.99	2.95E-03	4.64E-07	1.82E-07	3.18E-03	5.01E-07	1.54E-06	5.07E-03	7.98E-07	3.14E-07
2163	494361.06, 3859751.99	2.93E-03	4.62E-07	1.81E-07	3.16E-03	4.98E-07	1.54E-06	5.04E-03	7.93E-07	3.12E-07
2164	494411.06, 3859751.99	2.91E-03	4.58E-07	1.80E-07	3.14E-03	4.95E-07	1.52E-06	5.00E-03	7.88E-07	3.09E-07
2165	494461.06, 3859751.99	2.91E-03	4.58E-07	1.80E-07	3.14E-03	4.95E-07	1.52E-06	5.00E-03	7.88E-07	3.10E-07
2166	494511.06, 3859751.99	2.90E-03	4.57E-07	1.80E-07	3.14E-03	4.94E-07	1.52E-06	4.99E-03	7.86E-07	3.09E-07
2167	494561.06, 3859751.99	2.89E-03	4.55E-07	1.79E-07	3.12E-03	4.91E-07	1.51E-06	4.96E-03	7.82E-07	3.07E-07
2168	494611.06, 3859751.99	2.87E-03	4.51E-07	1.77E-07	3.09E-03	4.87E-07	1.50E-06	4.93E-03	7.76E-07	3.05E-07
2169	494661.06, 3859751.99	2.83E-03	4.46E-07	1.75E-07	3.06E-03	4.82E-07	1.48E-06	4.87E-03	7.67E-07	3.01E-07
2170	494711.06, 3859751.99	2.83E-03	4.45E-07	1.75E-07	3.05E-03	4.81E-07	1.48E-06	4.86E-03	7.65E-07	3.01E-07
2171	494761.06, 3859751.99	2.81E-03	4.43E-07	1.74E-07	3.04E-03	4.79E-07	1.47E-06	4.84E-03	7.62E-07	2.99E-07
2172	494811.06, 3859751.99	2.79E-03	4.40E-07	1.73E-07	3.02E-03	4.75E-07	1.46E-06	4.80E-03	7.57E-07	2.97E-07

2173	494861.06, 3859751.99	2.78E-03	4.38E-07	1.72E-07	3.00E-03	4.73E-07	1.46E-06	4.78E-03	7.53E-07	2.96E-07
2174	494911.06, 3859751.99	2.76E-03	4.35E-07	1.71E-07	2.99E-03	4.70E-07	1.45E-06	4.75E-03	7.49E-07	2.94E-07
2175	494961.06, 3859751.99	2.75E-03	4.33E-07	1.70E-07	2.97E-03	4.68E-07	1.44E-06	4.73E-03	7.45E-07	2.93E-07
2176	495011.06, 3859751.99	2.73E-03	4.31E-07	1.69E-07	2.95E-03	4.65E-07	1.43E-06	4.70E-03	7.41E-07	2.91E-07
2177	495061.06, 3859751.99	2.72E-03	4.29E-07	1.68E-07	2.94E-03	4.63E-07	1.43E-06	4.68E-03	7.38E-07	2.90E-07
2178	495111.06, 3859751.99	2.71E-03	4.26E-07	1.67E-07	2.92E-03	4.60E-07	1.42E-06	4.66E-03	7.33E-07	2.88E-07
2179	495161.06, 3859751.99	2.69E-03	4.23E-07	1.66E-07	2.90E-03	4.57E-07	1.41E-06	4.62E-03	7.28E-07	2.86E-07
2180	495211.06, 3859751.99	2.67E-03	4.20E-07	1.65E-07	2.88E-03	4.54E-07	1.40E-06	4.59E-03	7.23E-07	2.84E-07
2181	495261.06, 3859751.99	2.66E-03	4.19E-07	1.64E-07	2.87E-03	4.52E-07	1.39E-06	4.57E-03	7.20E-07	2.83E-07
2182	495311.06, 3859751.99	2.64E-03	4.16E-07	1.63E-07	2.85E-03	4.49E-07	1.38E-06	4.54E-03	7.16E-07	2.81E-07
2183	495361.06, 3859751.99	2.62E-03	4.13E-07	1.62E-07	2.83E-03	4.47E-07	1.38E-06	4.52E-03	7.11E-07	2.80E-07
2184	495411.06, 3859751.99	2.61E-03	4.11E-07	1.61E-07	2.82E-03	4.44E-07	1.37E-06	4.49E-03	7.07E-07	2.78E-07
2185	495461.06, 3859751.99	2.59E-03	4.07E-07	1.60E-07	2.79E-03	4.40E-07	1.36E-06	4.45E-03	7.01E-07	2.75E-07
2186	495511.06, 3859751.99	2.56E-03	4.04E-07	1.59E-07	2.77E-03	4.36E-07	1.34E-06	4.41E-03	6.95E-07	2.73E-07
2187	495561.06, 3859751.99	2.55E-03	4.01E-07	1.58E-07	2.75E-03	4.33E-07	1.33E-06	4.38E-03	6.91E-07	2.71E-07
2188	495611.06, 3859751.99	2.53E-03	3.99E-07	1.57E-07	2.73E-03	4.31E-07	1.33E-06	4.36E-03	6.86E-07	2.70E-07
2189	495661.06, 3859751.99	2.52E-03	3.97E-07	1.56E-07	2.72E-03	4.29E-07	1.32E-06	4.34E-03	6.83E-07	2.69E-07
2190	494311.06, 3859801.99	2.92E-03	4.60E-07	1.81E-07	3.15E-03	4.97E-07	1.53E-06	5.02E-03	7.91E-07	3.11E-07
2191	494361.06, 3859801.99	2.90E-03	4.57E-07	1.79E-07	3.13E-03	4.93E-07	1.52E-06	4.98E-03	7.84E-07	3.08E-07
2192	494411.06, 3859801.99	2.87E-03	4.53E-07	1.78E-07	3.10E-03	4.89E-07	1.51E-06	4.94E-03	7.78E-07	3.06E-07
2193	494461.06, 3859801.99	2.87E-03	4.53E-07	1.78E-07	3.10E-03	4.89E-07	1.50E-06	4.94E-03	7.78E-07	3.05E-07
2194	494511.06, 3859801.99	2.87E-03	4.53E-07	1.78E-07	3.10E-03	4.89E-07	1.51E-06	4.94E-03	7.78E-07	3.06E-07
2195	494561.06, 3859801.99	2.86E-03	4.50E-07	1.77E-07	3.09E-03	4.86E-07	1.50E-06	4.91E-03	7.74E-07	3.04E-07
2196	494611.06, 3859801.99	2.83E-03	4.46E-07	1.75E-07	3.05E-03	4.81E-07	1.48E-06	4.86E-03	7.66E-07	3.01E-07
2197	494661.06, 3859801.99	2.81E-03	4.43E-07	1.74E-07	3.04E-03	4.78E-07	1.47E-06	4.83E-03	7.61E-07	2.99E-07
2198	494711.06, 3859801.99	2.79E-03	4.39E-07	1.73E-07	3.01E-03	4.74E-07	1.46E-06	4.79E-03	7.55E-07	2.97E-07
2199	494761.06, 3859801.99	2.79E-03	4.40E-07	1.73E-07	3.01E-03	4.75E-07	1.46E-06	4.80E-03	7.56E-07	2.97E-07
2200	494811.06, 3859801.99	2.77E-03	4.37E-07	1.72E-07	2.99E-03	4.72E-07	1.45E-06	4.77E-03	7.51E-07	2.95E-07
2201	494861.06, 3859801.99	2.76E-03	4.35E-07	1.71E-07	2.98E-03	4.70E-07	1.45E-06	4.75E-03	7.48E-07	2.94E-07
2202	494911.06, 3859801.99	2.74E-03	4.32E-07	1.70E-07	2.96E-03	4.66E-07	1.44E-06	4.71E-03	7.43E-07	2.92E-07
2203	494961.06, 3859801.99	2.73E-03	4.30E-07	1.69E-07	2.95E-03	4.64E-07	1.43E-06	4.69E-03	7.39E-07	2.90E-07
2204	495011.06, 3859801.99	2.71E-03	4.27E-07	1.68E-07	2.93E-03	4.62E-07	1.42E-06	4.67E-03	7.35E-07	2.89E-07
2205	495061.06, 3859801.99	2.70E-03	4.26E-07	1.67E-07	2.92E-03	4.60E-07	1.42E-06	4.65E-03	7.32E-07	2.88E-07
2206	495111.06, 3859801.99	2.68E-03	4.23E-07	1.66E-07	2.90E-03	4.57E-07	1.41E-06	4.62E-03	7.27E-07	2.86E-07
2207	495161.06, 3859801.99	2.67E-03	4.20E-07	1.65E-07	2.88E-03	4.54E-07	1.40E-06	4.59E-03	7.23E-07	2.84E-07
2208	495211.06, 3859801.99	2.66E-03	4.18E-07	1.64E-07	2.87E-03	4.52E-07	1.39E-06	4.57E-03	7.19E-07	2.83E-07
2209	495261.06, 3859801.99	2.64E-03	4.15E-07	1.63E-07	2.85E-03	4.49E-07	1.38E-06	4.54E-03	7.15E-07	2.81E-07
2210	495311.06, 3859801.99	2.63E-03	4.14E-07	1.63E-07	2.84E-03	4.47E-07	1.38E-06	4.52E-03	7.12E-07	2.80E-07
2211	495361.06, 3859801.99	2.61E-03	4.11E-07	1.62E-07	2.82E-03	4.44E-07	1.37E-06	4.49E-03	7.07E-07	2.78E-07
2212	495411.06, 3859801.99	2.59E-03	4.08E-07	1.60E-07	2.80E-03	4.41E-07	1.36E-06	4.46E-03	7.02E-07	2.76E-07
2213	495461.06, 3859801.99	2.58E-03	4.06E-07	1.59E-07	2.78E-03	4.38E-07	1.35E-06	4.43E-03	6.98E-07	2.74E-07
2214	495511.06, 3859801.99	2.55E-03	4.02E-07	1.58E-07	2.76E-03	4.34E-07	1.34E-06	4.39E-03	6.92E-07	2.72E-07
2215	495561.06, 3859801.99	2.54E-03	4.00E-07	1.57E-07	2.74E-03	4.32E-07	1.33E-06	4.37E-03	6.89E-07	2.71E-07
2216	495611.06, 3859801.99	2.53E-03	3.99E-07	1.57E-07	2.74E-03	4.31E-07	1.33E-06	4.36E-03	6.87E-07	2.70E-07
2217	495661.06, 3859801.99	2.51E-03	3.96E-07	1.56E-07	2.71E-03	4.28E-07	1.32E-06	4.33E-03	6.81E-07	2.68E-07
2218	494311.06, 3859851.99	2.88E-03	4.54E-07	1.78E-07	3.11E-03	4.91E-07	1.51E-06	4.95E-03	7.80E-07	3.07E-07
2219	494361.06, 3859851.99	2.87E-03	4.52E-07	1.77E-07	3.10E-03	4.88E-07	1.50E-06	4.92E-03	7.76E-07	3.05E-07
2220	494411.06, 3859851.99	2.85E-03	4.48E-07	1.76E-07	3.07E-03	4.84E-07	1.49E-06	4.89E-03	7.70E-07	3.03E-07
2221	494461.06, 3859851.99	2.83E-03	4.46E-07	1.75E-07	3.06E-03	4.82E-07	1.48E-06	4.86E-03	7.66E-07	3.01E-07
2222	494511.06, 3859851.99	2.83E-03	4.45E-07	1.75E-07	3.05E-03	4.81E-07	1.48E-06	4.85E-03	7.65E-07	3.00E-07
2223	494561.06, 3859851.99	2.82E-03	4.45E-07	1.75E-07	3.05E-03	4.80E-07	1.48E-06	4.85E-03	7.64E-07	3.00E-07
2224	494611.06, 3859851.99	2.79E-03	4.40E-07	1.73E-07	3.02E-03	4.75E-07	1.46E-06	4.80E-03	7.56E-07	2.97E-07
2225	494661.06, 3859851.99	2.79E-03	4.39E-07	1.72E-07	3.01E-03	4.74E-07	1.46E-06	4.79E-03	7.54E-07	2.96E-07
2226	494711.06, 3859851.99	2.76E-03	4.35E-07	1.71E-07	2.98E-03	4.70E-07	1.45E-06	4.75E-03	7.48E-07	2.94E-07
2227	494761.06, 3859851.99	2.76E-03	4.35E-07	1.71E-07	2.98E-03	4.70E-07	1.45E-06	4.75E-03	7.48E-07	2.94E-07
2228	494811.06, 3859851.99	2.75E-03	4.33E-07	1.70E-07	2.97E-03	4.67E-07	1.44E-06	4.72E-03	7.44E-07	2.92E-07
2229	494861.06, 3859851.99	2.74E-03	4.31E-07	1.69E-07	2.96E-03	4.66E-07	1.43E-06	4.70E-03	7.41E-07	2.91E-07
2230	494911.06, 3859851.99	2.72E-03	4.29E-07	1.68E-07	2.94E-03	4.63E-07	1.43E-06	4.68E-03	7.37E-07	2.89E-07
2231	494961.06, 3859851.99	2.71E-03	4.26E-07	1.68E-07	2.92E-03	4.60E-07	1.42E-06	4.65E-03	7.33E-07	2.88E-07
2232	495011.06, 3859851.99	2.69E-03	4.24E-07	1.67E-07	2.91E-03	4.58E-07	1.41E-06	4.63E-03	7.29E-07	2.87E-07
2233	495061.06, 3859851.99	2.68E-03	4.23E-07	1.66E-07	2.90E-03	4.56E-07	1.41E-06	4.61E-03	7.26E-07	2.85E-07
2234	495111.06, 3859851.99	2.66E-03	4.20E-07	1.65E-07	2.88E-03	4.53E-07	1.40E-06	4.58E-03	7.22E-07	2.83E-07
2235	495161.06, 3859851.99	2.65E-03	4.17E-07	1.64E-07	2.86E-03	4.51E-07	1.39E-06	4.56E-03	7.18E-07	2.82E-07
2236	495211.06, 3859851.99	2.64E-03	4.15E-07	1.63E-07	2.85E-03	4.48E-07	1.38E-06	4.53E-03	7.14E-07	2.80E-07

2237	495261.06, 3859851.99	2.62E-03	4.13E-07	1.62E-07	2.83E-03	4.46E-07	1.37E-06	4.51E-03	7.10E-07	2.79E-07
2238	495311.06, 3859851.99	2.61E-03	4.11E-07	1.61E-07	2.82E-03	4.44E-07	1.37E-06	4.49E-03	7.07E-07	2.78E-07
2239	495361.06, 3859851.99	2.60E-03	4.09E-07	1.61E-07	2.80E-03	4.42E-07	1.36E-06	4.46E-03	7.03E-07	2.76E-07
2240	495411.06, 3859851.99	2.58E-03	4.06E-07	1.60E-07	2.78E-03	4.39E-07	1.35E-06	4.43E-03	6.99E-07	2.74E-07
2241	495461.06, 3859851.99	2.56E-03	4.04E-07	1.59E-07	2.77E-03	4.36E-07	1.34E-06	4.41E-03	6.94E-07	2.73E-07
2242	495511.06, 3859851.99	2.54E-03	4.01E-07	1.57E-07	2.75E-03	4.33E-07	1.33E-06	4.37E-03	6.89E-07	2.71E-07
2243	495561.06, 3859851.99	2.53E-03	3.99E-07	1.57E-07	2.73E-03	4.31E-07	1.33E-06	4.36E-03	6.86E-07	2.70E-07
2244	495611.06, 3859851.99	2.52E-03	3.97E-07	1.56E-07	2.72E-03	4.29E-07	1.32E-06	4.34E-03	6.83E-07	2.68E-07
2245	495661.06, 3859851.99	2.50E-03	3.94E-07	1.55E-07	2.70E-03	4.26E-07	1.31E-06	4.31E-03	6.78E-07	2.66E-07
2246	494311.06, 3859901.99	2.84E-03	4.48E-07	1.76E-07	3.07E-03	4.84E-07	1.49E-06	4.89E-03	7.70E-07	3.02E-07
2247	494361.06, 3859901.99	2.82E-03	4.44E-07	1.75E-07	3.05E-03	4.80E-07	1.48E-06	4.84E-03	7.63E-07	3.00E-07
2248	494411.06, 3859901.99	2.81E-03	4.43E-07	1.74E-07	3.04E-03	4.78E-07	1.47E-06	4.83E-03	7.61E-07	2.99E-07
2249	494461.06, 3859901.99	2.80E-03	4.41E-07	1.73E-07	3.02E-03	4.76E-07	1.47E-06	4.81E-03	7.57E-07	2.97E-07
2250	494511.06, 3859901.99	2.79E-03	4.39E-07	1.73E-07	3.01E-03	4.74E-07	1.46E-06	4.79E-03	7.55E-07	2.96E-07
2251	494561.06, 3859901.99	2.79E-03	4.39E-07	1.73E-07	3.01E-03	4.74E-07	1.46E-06	4.79E-03	7.55E-07	2.96E-07
2252	494611.06, 3859901.99	2.76E-03	4.35E-07	1.71E-07	2.98E-03	4.70E-07	1.45E-06	4.74E-03	7.47E-07	2.94E-07
2253	494661.06, 3859901.99	2.76E-03	4.35E-07	1.71E-07	2.98E-03	4.69E-07	1.45E-06	4.74E-03	7.46E-07	2.93E-07
2254	494711.06, 3859901.99	2.73E-03	4.30E-07	1.69E-07	2.95E-03	4.65E-07	1.43E-06	4.69E-03	7.39E-07	2.90E-07
2255	494761.06, 3859901.99	2.73E-03	4.29E-07	1.69E-07	2.94E-03	4.64E-07	1.43E-06	4.68E-03	7.38E-07	2.90E-07
2256	494811.06, 3859901.99	2.72E-03	4.28E-07	1.68E-07	2.94E-03	4.63E-07	1.42E-06	4.67E-03	7.36E-07	2.89E-07
2257	494861.06, 3859901.99	2.71E-03	4.27E-07	1.68E-07	2.93E-03	4.61E-07	1.42E-06	4.66E-03	7.33E-07	2.88E-07
2258	494911.06, 3859901.99	2.69E-03	4.24E-07	1.67E-07	2.91E-03	4.58E-07	1.41E-06	4.63E-03	7.29E-07	2.86E-07
2259	494961.06, 3859901.99	2.68E-03	4.23E-07	1.66E-07	2.90E-03	4.56E-07	1.41E-06	4.61E-03	7.26E-07	2.85E-07
2260	495011.06, 3859901.99	2.67E-03	4.20E-07	1.65E-07	2.88E-03	4.54E-07	1.40E-06	4.58E-03	7.22E-07	2.84E-07
2261	495061.06, 3859901.99	2.65E-03	4.18E-07	1.64E-07	2.87E-03	4.52E-07	1.39E-06	4.56E-03	7.19E-07	2.82E-07
2262	495111.06, 3859901.99	2.64E-03	4.16E-07	1.63E-07	2.85E-03	4.49E-07	1.38E-06	4.53E-03	7.14E-07	2.81E-07
2263	495161.06, 3859901.99	2.62E-03	4.13E-07	1.62E-07	2.83E-03	4.46E-07	1.37E-06	4.51E-03	7.10E-07	2.79E-07
2264	495211.06, 3859901.99	2.61E-03	4.12E-07	1.62E-07	2.82E-03	4.44E-07	1.37E-06	4.49E-03	7.07E-07	2.78E-07
2265	495261.06, 3859901.99	2.59E-03	4.09E-07	1.61E-07	2.80E-03	4.41E-07	1.36E-06	4.46E-03	7.02E-07	2.76E-07
2266	495311.06, 3859901.99	2.58E-03	4.07E-07	1.60E-07	2.79E-03	4.40E-07	1.35E-06	4.44E-03	7.00E-07	2.75E-07
2267	495361.06, 3859901.99	2.57E-03	4.05E-07	1.59E-07	2.78E-03	4.37E-07	1.35E-06	4.42E-03	6.96E-07	2.74E-07
2268	495411.06, 3859901.99	2.55E-03	4.02E-07	1.58E-07	2.76E-03	4.34E-07	1.34E-06	4.39E-03	6.92E-07	2.72E-07
2269	495461.06, 3859901.99	2.54E-03	4.00E-07	1.57E-07	2.74E-03	4.32E-07	1.33E-06	4.37E-03	6.88E-07	2.70E-07
2270	495511.06, 3859901.99	2.53E-03	3.98E-07	1.57E-07	2.73E-03	4.30E-07	1.33E-06	4.35E-03	6.85E-07	2.69E-07
2271	495561.06, 3859901.99	2.52E-03	3.97E-07	1.56E-07	2.72E-03	4.28E-07	1.32E-06	4.33E-03	6.82E-07	2.68E-07
2272	495611.06, 3859901.99	2.50E-03	3.94E-07	1.55E-07	2.70E-03	4.26E-07	1.31E-06	4.30E-03	6.78E-07	2.66E-07
2273	495661.06, 3859901.99	2.48E-03	3.91E-07	1.54E-07	2.68E-03	4.23E-07	1.30E-06	4.27E-03	6.73E-07	2.64E-07
2274	494311.06, 3859951.99	2.81E-03	4.42E-07	1.74E-07	3.03E-03	4.77E-07	1.47E-06	4.82E-03	7.59E-07	2.98E-07
2275	494361.06, 3859951.99	2.79E-03	4.40E-07	1.73E-07	3.01E-03	4.75E-07	1.46E-06	4.79E-03	7.55E-07	2.97E-07
2276	494411.06, 3859951.99	2.78E-03	4.37E-07	1.72E-07	3.00E-03	4.72E-07	1.45E-06	4.77E-03	7.51E-07	2.95E-07
2277	494461.06, 3859951.99	2.76E-03	4.35E-07	1.71E-07	2.98E-03	4.70E-07	1.45E-06	4.74E-03	7.47E-07	2.94E-07
2278	494511.06, 3859951.99	2.75E-03	4.34E-07	1.70E-07	2.97E-03	4.68E-07	1.44E-06	4.73E-03	7.45E-07	2.93E-07
2279	494561.06, 3859951.99	2.75E-03	4.34E-07	1.70E-07	2.97E-03	4.68E-07	1.44E-06	4.73E-03	7.45E-07	2.93E-07
2280	494611.06, 3859951.99	2.73E-03	4.30E-07	1.69E-07	2.95E-03	4.65E-07	1.43E-06	4.69E-03	7.39E-07	2.90E-07
2281	494661.06, 3859951.99	2.73E-03	4.30E-07	1.69E-07	2.94E-03	4.64E-07	1.43E-06	4.68E-03	7.38E-07	2.90E-07
2282	494711.06, 3859951.99	2.71E-03	4.26E-07	1.67E-07	2.92E-03	4.60E-07	1.42E-06	4.65E-03	7.32E-07	2.88E-07
2283	494761.06, 3859951.99	2.70E-03	4.25E-07	1.67E-07	2.91E-03	4.59E-07	1.41E-06	4.63E-03	7.30E-07	2.87E-07
2284	494811.06, 3859951.99	2.69E-03	4.23E-07	1.66E-07	2.90E-03	4.57E-07	1.41E-06	4.61E-03	7.27E-07	2.86E-07
2285	494861.06, 3859951.99	2.68E-03	4.22E-07	1.66E-07	2.89E-03	4.56E-07	1.40E-06	4.60E-03	7.25E-07	2.85E-07
2286	494911.06, 3859951.99	2.66E-03	4.20E-07	1.65E-07	2.88E-03	4.53E-07	1.40E-06	4.58E-03	7.21E-07	2.83E-07
2287	494961.06, 3859951.99	2.65E-03	4.17E-07	1.64E-07	2.86E-03	4.51E-07	1.39E-06	4.55E-03	7.17E-07	2.82E-07
2288	495011.06, 3859951.99	2.64E-03	4.15E-07	1.63E-07	2.85E-03	4.48E-07	1.38E-06	4.53E-03	7.13E-07	2.80E-07
2289	495061.06, 3859951.99	2.62E-03	4.14E-07	1.62E-07	2.83E-03	4.46E-07	1.38E-06	4.51E-03	7.10E-07	2.79E-07
2290	495111.06, 3859951.99	2.61E-03	4.11E-07	1.61E-07	2.82E-03	4.44E-07	1.37E-06	4.48E-03	7.06E-07	2.77E-07
2291	495161.06, 3859951.99	2.59E-03	4.09E-07	1.61E-07	2.80E-03	4.41E-07	1.36E-06	4.46E-03	7.02E-07	2.76E-07
2292	495211.06, 3859951.99	2.58E-03	4.06E-07	1.60E-07	2.78E-03	4.39E-07	1.35E-06	4.43E-03	6.98E-07	2.74E-07
2293	495261.06, 3859951.99	2.57E-03	4.04E-07	1.59E-07	2.77E-03	4.37E-07	1.34E-06	4.41E-03	6.95E-07	2.73E-07
2294	495311.06, 3859951.99	2.56E-03	4.03E-07	1.58E-07	2.76E-03	4.35E-07	1.34E-06	4.40E-03	6.93E-07	2.72E-07
2295	495361.06, 3859951.99	2.55E-03	4.01E-07	1.58E-07	2.75E-03	4.33E-07	1.33E-06	4.38E-03	6.90E-07	2.71E-07
2296	495411.06, 3859951.99	2.53E-03	3.99E-07	1.57E-07	2.73E-03	4.31E-07	1.33E-06	4.35E-03	6.86E-07	2.69E-07
2297	495461.06, 3859951.99	2.52E-03	3.97E-07	1.56E-07	2.72E-03	4.28E-07	1.32E-06	4.33E-03	6.82E-07	2.68E-07
2298	495511.06, 3859951.99	2.50E-03	3.95E-07	1.55E-07	2.70E-03	4.26E-07	1.31E-06	4.31E-03	6.78E-07	2.66E-07
2299	495561.06, 3859951.99	2.50E-03	3.94E-07	1.55E-07	2.70E-03	4.25E-07	1.31E-06	4.29E-03	6.77E-07	2.66E-07
2300	495611.06, 3859951.99	2.48E-03	3.91E-07	1.54E-07	2.68E-03	4.22E-07	1.30E-06	4.27E-03	6.73E-07	2.64E-07

2301	495661.06, 3859951.99	2.47E-03	3.88E-07	1.53E-07	2.66E-03	4.19E-07	1.29E-06	4.24E-03	6.68E-07	2.62E-07
2302	494311.06, 3860001.99	2.77E-03	4.36E-07	1.71E-07	2.99E-03	4.71E-07	1.45E-06	4.75E-03	7.49E-07	2.94E-07
2303	494361.06, 3860001.99	2.76E-03	4.34E-07	1.71E-07	2.97E-03	4.69E-07	1.44E-06	4.73E-03	7.45E-07	2.93E-07
2304	494411.06, 3860001.99	2.74E-03	4.31E-07	1.69E-07	2.96E-03	4.66E-07	1.43E-06	4.70E-03	7.41E-07	2.91E-07
2305	494461.06, 3860001.99	2.73E-03	4.30E-07	1.69E-07	2.94E-03	4.64E-07	1.43E-06	4.68E-03	7.38E-07	2.90E-07
2306	494511.06, 3860001.99	2.71E-03	4.27E-07	1.68E-07	2.93E-03	4.61E-07	1.42E-06	4.66E-03	7.34E-07	2.88E-07
2307	494561.06, 3860001.99	2.72E-03	4.28E-07	1.68E-07	2.93E-03	4.62E-07	1.42E-06	4.67E-03	7.35E-07	2.89E-07
2308	494611.06, 3860001.99	2.70E-03	4.26E-07	1.67E-07	2.92E-03	4.60E-07	1.42E-06	4.64E-03	7.31E-07	2.87E-07
2309	494661.06, 3860001.99	2.69E-03	4.24E-07	1.67E-07	2.91E-03	4.58E-07	1.41E-06	4.62E-03	7.28E-07	2.86E-07
2310	494711.06, 3860001.99	2.67E-03	4.20E-07	1.65E-07	2.88E-03	4.53E-07	1.40E-06	4.58E-03	7.21E-07	2.83E-07
2311	494761.06, 3860001.99	2.66E-03	4.20E-07	1.65E-07	2.88E-03	4.53E-07	1.40E-06	4.58E-03	7.21E-07	2.83E-07
2312	494811.06, 3860001.99	2.66E-03	4.18E-07	1.64E-07	2.87E-03	4.52E-07	1.39E-06	4.56E-03	7.18E-07	2.82E-07
2313	494861.06, 3860001.99	2.65E-03	4.17E-07	1.64E-07	2.86E-03	4.50E-07	1.39E-06	4.55E-03	7.16E-07	2.81E-07
2314	494911.06, 3860001.99	2.62E-03	4.13E-07	1.62E-07	2.83E-03	4.46E-07	1.37E-06	4.51E-03	7.10E-07	2.79E-07
2315	494961.06, 3860001.99	2.62E-03	4.12E-07	1.62E-07	2.82E-03	4.45E-07	1.37E-06	4.49E-03	7.08E-07	2.78E-07
2316	495011.06, 3860001.99	2.60E-03	4.10E-07	1.61E-07	2.81E-03	4.42E-07	1.36E-06	4.47E-03	7.04E-07	2.77E-07
2317	495061.06, 3860001.99	2.59E-03	4.09E-07	1.61E-07	2.80E-03	4.41E-07	1.36E-06	4.46E-03	7.02E-07	2.76E-07
2318	495111.06, 3860001.99	2.58E-03	4.06E-07	1.60E-07	2.79E-03	4.39E-07	1.35E-06	4.43E-03	6.98E-07	2.74E-07
2319	495161.06, 3860001.99	2.56E-03	4.04E-07	1.59E-07	2.77E-03	4.36E-07	1.34E-06	4.41E-03	6.94E-07	2.73E-07
2320	495211.06, 3860001.99	2.56E-03	4.03E-07	1.58E-07	2.76E-03	4.35E-07	1.34E-06	4.39E-03	6.92E-07	2.72E-07
2321	495261.06, 3860001.99	2.54E-03	4.01E-07	1.57E-07	2.75E-03	4.33E-07	1.33E-06	4.37E-03	6.89E-07	2.71E-07
2322	495311.06, 3860001.99	2.53E-03	3.99E-07	1.57E-07	2.74E-03	4.31E-07	1.33E-06	4.35E-03	6.86E-07	2.69E-07
2323	495361.06, 3860001.99	2.51E-03	3.96E-07	1.56E-07	2.71E-03	4.28E-07	1.32E-06	4.32E-03	6.81E-07	2.67E-07
2324	495411.06, 3860001.99	2.51E-03	3.95E-07	1.55E-07	2.71E-03	4.27E-07	1.31E-06	4.31E-03	6.79E-07	2.67E-07
2325	495461.06, 3860001.99	2.50E-03	3.93E-07	1.54E-07	2.70E-03	4.25E-07	1.31E-06	4.29E-03	6.76E-07	2.66E-07
2326	495511.06, 3860001.99	2.48E-03	3.91E-07	1.54E-07	2.68E-03	4.23E-07	1.30E-06	4.27E-03	6.73E-07	2.64E-07
2327	495561.06, 3860001.99	2.48E-03	3.90E-07	1.53E-07	2.67E-03	4.21E-07	1.30E-06	4.26E-03	6.70E-07	2.63E-07
2328	495611.06, 3860001.99	2.46E-03	3.88E-07	1.52E-07	2.66E-03	4.19E-07	1.29E-06	4.23E-03	6.66E-07	2.62E-07
2329	495661.06, 3860001.99	2.45E-03	3.85E-07	1.51E-07	2.64E-03	4.16E-07	1.28E-06	4.21E-03	6.63E-07	2.60E-07
2330	494411.06, 3860051.99	2.70E-03	4.26E-07	1.67E-07	2.92E-03	4.60E-07	1.42E-06	4.64E-03	7.31E-07	2.87E-07
2331	494461.06, 3860051.99	2.69E-03	4.24E-07	1.66E-07	2.90E-03	4.58E-07	1.41E-06	4.62E-03	7.28E-07	2.86E-07
2332	494511.06, 3860051.99	2.68E-03	4.22E-07	1.66E-07	2.89E-03	4.56E-07	1.40E-06	4.60E-03	7.25E-07	2.85E-07
2333	494561.06, 3860051.99	2.67E-03	4.21E-07	1.66E-07	2.89E-03	4.55E-07	1.40E-06	4.59E-03	7.24E-07	2.84E-07
2334	494611.06, 3860051.99	2.67E-03	4.20E-07	1.65E-07	2.88E-03	4.53E-07	1.40E-06	4.58E-03	7.21E-07	2.83E-07
2335	494661.06, 3860051.99	2.66E-03	4.18E-07	1.64E-07	2.87E-03	4.52E-07	1.39E-06	4.56E-03	7.19E-07	2.82E-07
2336	494711.06, 3860051.99	2.64E-03	4.16E-07	1.63E-07	2.85E-03	4.49E-07	1.38E-06	4.53E-03	7.14E-07	2.80E-07
2337	494761.06, 3860051.99	2.63E-03	4.14E-07	1.63E-07	2.84E-03	4.47E-07	1.38E-06	4.52E-03	7.11E-07	2.80E-07
2338	494811.06, 3860051.99	2.62E-03	4.13E-07	1.62E-07	2.83E-03	4.46E-07	1.37E-06	4.51E-03	7.10E-07	2.79E-07
2339	494861.06, 3860051.99	2.62E-03	4.12E-07	1.62E-07	2.82E-03	4.45E-07	1.37E-06	4.49E-03	7.08E-07	2.78E-07
2340	494911.06, 3860051.99	2.60E-03	4.10E-07	1.61E-07	2.81E-03	4.43E-07	1.36E-06	4.47E-03	7.04E-07	2.77E-07
2341	494961.06, 3860051.99	2.59E-03	4.08E-07	1.60E-07	2.79E-03	4.40E-07	1.36E-06	4.44E-03	7.00E-07	2.75E-07
2342	495011.06, 3860051.99	2.57E-03	4.05E-07	1.59E-07	2.78E-03	4.38E-07	1.35E-06	4.42E-03	6.96E-07	2.73E-07
2343	495061.06, 3860051.99	2.56E-03	4.03E-07	1.59E-07	2.77E-03	4.36E-07	1.34E-06	4.40E-03	6.93E-07	2.72E-07
2344	495111.06, 3860051.99	2.55E-03	4.01E-07	1.58E-07	2.75E-03	4.33E-07	1.33E-06	4.37E-03	6.89E-07	2.71E-07
2345	495161.06, 3860051.99	2.53E-03	3.99E-07	1.57E-07	2.74E-03	4.31E-07	1.33E-06	4.35E-03	6.86E-07	2.69E-07
2346	495211.06, 3860051.99	2.52E-03	3.97E-07	1.56E-07	2.72E-03	4.29E-07	1.32E-06	4.33E-03	6.82E-07	2.68E-07
2347	495261.06, 3860051.99	2.51E-03	3.96E-07	1.55E-07	2.71E-03	4.27E-07	1.32E-06	4.32E-03	6.80E-07	2.67E-07
2348	495311.06, 3860051.99	2.50E-03	3.94E-07	1.55E-07	2.70E-03	4.26E-07	1.31E-06	4.30E-03	6.78E-07	2.66E-07
2349	495361.06, 3860051.99	2.49E-03	3.93E-07	1.54E-07	2.69E-03	4.24E-07	1.31E-06	4.28E-03	6.75E-07	2.65E-07
2350	495411.06, 3860051.99	2.48E-03	3.91E-07	1.54E-07	2.68E-03	4.22E-07	1.30E-06	4.27E-03	6.72E-07	2.64E-07
2351	495461.06, 3860051.99	2.47E-03	3.89E-07	1.53E-07	2.67E-03	4.20E-07	1.29E-06	4.25E-03	6.69E-07	2.63E-07
2352	495511.06, 3860051.99	2.46E-03	3.88E-07	1.52E-07	2.66E-03	4.19E-07	1.29E-06	4.23E-03	6.66E-07	2.62E-07
2353	495561.06, 3860051.99	2.45E-03	3.86E-07	1.52E-07	2.65E-03	4.17E-07	1.28E-06	4.21E-03	6.63E-07	2.61E-07
2354	495611.06, 3860051.99	2.44E-03	3.84E-07	1.51E-07	2.63E-03	4.15E-07	1.28E-06	4.19E-03	6.60E-07	2.59E-07
2355	495661.06, 3860051.99	2.42E-03	3.82E-07	1.50E-07	2.62E-03	4.12E-07	1.27E-06	4.16E-03	6.56E-07	2.58E-07
2356	494411.06, 3860101.99	2.66E-03	4.19E-07	1.65E-07	2.87E-03	4.52E-07	1.39E-06	4.57E-03	7.19E-07	2.83E-07
2357	494461.06, 3860101.99	2.65E-03	4.18E-07	1.64E-07	2.87E-03	4.51E-07	1.39E-06	4.56E-03	7.18E-07	2.82E-07
2358	494511.06, 3860101.99	2.64E-03	4.16E-07	1.63E-07	2.85E-03	4.49E-07	1.38E-06	4.53E-03	7.14E-07	2.80E-07
2359	494561.06, 3860101.99	2.63E-03	4.14E-07	1.63E-07	2.84E-03	4.47E-07	1.38E-06	4.52E-03	7.12E-07	2.80E-07
2360	494611.06, 3860101.99	2.63E-03	4.14E-07	1.63E-07	2.84E-03	4.47E-07	1.38E-06	4.51E-03	7.11E-07	2.79E-07
2361	494661.06, 3860101.99	2.62E-03	4.12E-07	1.62E-07	2.83E-03	4.45E-07	1.37E-06	4.50E-03	7.08E-07	2.78E-07
2362	494711.06, 3860101.99	2.60E-03	4.10E-07	1.61E-07	2.81E-03	4.43E-07	1.36E-06	4.47E-03	7.04E-07	2.77E-07
2363	494761.06, 3860101.99	2.59E-03	4.09E-07	1.61E-07	2.80E-03	4.41E-07	1.36E-06	4.46E-03	7.02E-07	2.76E-07
2364	494811.06, 3860101.99	2.59E-03	4.07E-07	1.60E-07	2.79E-03	4.40E-07	1.35E-06	4.44E-03	6.99E-07	2.75E-07

2365	494861.06, 3860101.99	2.58E-03	4.07E-07	1.60E-07	2.79E-03	4.40E-07	1.35E-06	4.44E-03	6.99E-07	2.75E-07
2366	494911.06, 3860101.99	2.56E-03	4.04E-07	1.59E-07	2.77E-03	4.36E-07	1.34E-06	4.40E-03	6.93E-07	2.72E-07
2367	494961.06, 3860101.99	2.55E-03	4.02E-07	1.58E-07	2.75E-03	4.34E-07	1.34E-06	4.38E-03	6.90E-07	2.71E-07
2368	495011.06, 3860101.99	2.54E-03	4.00E-07	1.57E-07	2.74E-03	4.32E-07	1.33E-06	4.36E-03	6.87E-07	2.70E-07
2369	495061.06, 3860101.99	2.53E-03	3.98E-07	1.56E-07	2.73E-03	4.30E-07	1.32E-06	4.34E-03	6.84E-07	2.69E-07
2370	495111.06, 3860101.99	2.51E-03	3.96E-07	1.55E-07	2.71E-03	4.27E-07	1.32E-06	4.31E-03	6.80E-07	2.67E-07
2371	495161.06, 3860101.99	2.50E-03	3.94E-07	1.55E-07	2.70E-03	4.26E-07	1.31E-06	4.30E-03	6.77E-07	2.66E-07
2372	495211.06, 3860101.99	2.49E-03	3.93E-07	1.54E-07	2.69E-03	4.24E-07	1.31E-06	4.28E-03	6.74E-07	2.65E-07
2373	495261.06, 3860101.99	2.48E-03	3.91E-07	1.54E-07	2.68E-03	4.22E-07	1.30E-06	4.26E-03	6.71E-07	2.64E-07
2374	495311.06, 3860101.99	2.47E-03	3.89E-07	1.53E-07	2.67E-03	4.20E-07	1.29E-06	4.25E-03	6.69E-07	2.63E-07
2375	495361.06, 3860101.99	2.46E-03	3.88E-07	1.52E-07	2.66E-03	4.19E-07	1.29E-06	4.23E-03	6.67E-07	2.62E-07
2376	495411.06, 3860101.99	2.45E-03	3.86E-07	1.52E-07	2.65E-03	4.17E-07	1.28E-06	4.21E-03	6.64E-07	2.61E-07
2377	495461.06, 3860101.99	2.44E-03	3.84E-07	1.51E-07	2.63E-03	4.15E-07	1.28E-06	4.19E-03	6.60E-07	2.59E-07
2378	495511.06, 3860101.99	2.43E-03	3.83E-07	1.50E-07	2.62E-03	4.13E-07	1.27E-06	4.18E-03	6.58E-07	2.58E-07
2379	495561.06, 3860101.99	2.42E-03	3.82E-07	1.50E-07	2.62E-03	4.12E-07	1.27E-06	4.16E-03	6.56E-07	2.58E-07
2380	495611.06, 3860101.99	2.41E-03	3.79E-07	1.49E-07	2.60E-03	4.10E-07	1.26E-06	4.14E-03	6.52E-07	2.56E-07
2381	495661.06, 3860101.99	2.40E-03	3.78E-07	1.48E-07	2.59E-03	4.08E-07	1.26E-06	4.12E-03	6.49E-07	2.55E-07
2382	494861.06, 3860151.99	2.56E-03	4.03E-07	1.58E-07	2.76E-03	4.35E-07	1.34E-06	4.40E-03	6.94E-07	2.72E-07
2383	494911.06, 3860151.99	2.53E-03	3.98E-07	1.56E-07	2.73E-03	4.30E-07	1.32E-06	4.34E-03	6.84E-07	2.69E-07
2384	494961.06, 3860151.99	2.52E-03	3.96E-07	1.56E-07	2.72E-03	4.28E-07	1.32E-06	4.32E-03	6.81E-07	2.68E-07
2385	495011.06, 3860151.99	2.50E-03	3.95E-07	1.55E-07	2.70E-03	4.26E-07	1.31E-06	4.30E-03	6.78E-07	2.66E-07
2386	495061.06, 3860151.99	2.49E-03	3.93E-07	1.54E-07	2.69E-03	4.24E-07	1.31E-06	4.28E-03	6.74E-07	2.65E-07
2387	495111.06, 3860151.99	2.48E-03	3.91E-07	1.54E-07	2.68E-03	4.22E-07	1.30E-06	4.26E-03	6.72E-07	2.64E-07
2388	495161.06, 3860151.99	2.47E-03	3.89E-07	1.53E-07	2.67E-03	4.20E-07	1.29E-06	4.25E-03	6.69E-07	2.63E-07
2389	495211.06, 3860151.99	2.46E-03	3.88E-07	1.52E-07	2.66E-03	4.19E-07	1.29E-06	4.23E-03	6.66E-07	2.62E-07
2390	495261.06, 3860151.99	2.45E-03	3.86E-07	1.52E-07	2.65E-03	4.17E-07	1.28E-06	4.21E-03	6.63E-07	2.61E-07
2391	495311.06, 3860151.99	2.44E-03	3.85E-07	1.51E-07	2.64E-03	4.15E-07	1.28E-06	4.19E-03	6.61E-07	2.60E-07
2392	495361.06, 3860151.99	2.43E-03	3.83E-07	1.51E-07	2.63E-03	4.14E-07	1.27E-06	4.18E-03	6.58E-07	2.59E-07
2393	495411.06, 3860151.99	2.42E-03	3.82E-07	1.50E-07	2.62E-03	4.12E-07	1.27E-06	4.16E-03	6.56E-07	2.58E-07
2394	495461.06, 3860151.99	2.41E-03	3.80E-07	1.49E-07	2.60E-03	4.10E-07	1.26E-06	4.14E-03	6.53E-07	2.57E-07
2395	495511.06, 3860151.99	2.40E-03	3.78E-07	1.49E-07	2.59E-03	4.08E-07	1.26E-06	4.13E-03	6.50E-07	2.55E-07
2396	495561.06, 3860151.99	2.39E-03	3.77E-07	1.48E-07	2.58E-03	4.07E-07	1.25E-06	4.11E-03	6.48E-07	2.54E-07
2397	495611.06, 3860151.99	2.38E-03	3.75E-07	1.47E-07	2.57E-03	4.05E-07	1.25E-06	4.09E-03	6.45E-07	2.53E-07
2398	495661.06, 3860151.99	2.37E-03	3.73E-07	1.47E-07	2.56E-03	4.03E-07	1.24E-06	4.07E-03	6.42E-07	2.52E-07
2399	495718.25, 3859442.96	2.45E-03	3.86E-07	1.51E-07	2.64E-03	4.16E-07	1.28E-06	4.22E-03	6.64E-07	2.61E-07
2400	495818.25, 3859442.96	2.40E-03	3.78E-07	1.49E-07	2.59E-03	4.09E-07	1.26E-06	4.14E-03	6.52E-07	2.56E-07
2401	495918.25, 3859442.96	2.37E-03	3.73E-07	1.47E-07	2.56E-03	4.03E-07	1.24E-06	4.08E-03	6.43E-07	2.53E-07
2402	496018.25, 3859442.96	2.34E-03	3.69E-07	1.45E-07	2.53E-03	3.99E-07	1.23E-06	4.04E-03	6.36E-07	2.50E-07
2403	496118.25, 3859442.96	2.36E-03	3.72E-07	1.46E-07	2.55E-03	4.01E-07	1.24E-06	4.06E-03	6.40E-07	2.51E-07
2404	496218.25, 3859442.96	2.37E-03	3.73E-07	1.47E-07	2.56E-03	4.03E-07	1.24E-06	4.08E-03	6.43E-07	2.52E-07
2405	496318.25, 3859442.96	2.34E-03	3.69E-07	1.45E-07	2.53E-03	3.99E-07	1.23E-06	4.04E-03	6.36E-07	2.50E-07
2406	496418.25, 3859442.96	2.32E-03	3.65E-07	1.44E-07	2.50E-03	3.95E-07	1.22E-06	4.00E-03	6.29E-07	2.47E-07
2407	495718.25, 3859542.96	2.48E-03	3.91E-07	1.54E-07	2.68E-03	4.22E-07	1.30E-06	4.27E-03	6.73E-07	2.65E-07
2408	495818.25, 3859542.96	2.45E-03	3.86E-07	1.52E-07	2.64E-03	4.17E-07	1.28E-06	4.22E-03	6.65E-07	2.61E-07
2409	495918.25, 3859542.96	2.41E-03	3.79E-07	1.49E-07	2.60E-03	4.10E-07	1.26E-06	4.15E-03	6.54E-07	2.57E-07
2410	496018.25, 3859542.96	2.37E-03	3.74E-07	1.47E-07	2.57E-03	4.04E-07	1.24E-06	4.09E-03	6.45E-07	2.53E-07
2411	496118.25, 3859542.96	2.39E-03	3.76E-07	1.48E-07	2.58E-03	4.06E-07	1.25E-06	4.11E-03	6.48E-07	2.55E-07
2412	496218.25, 3859542.96	2.39E-03	3.76E-07	1.48E-07	2.58E-03	4.06E-07	1.25E-06	4.11E-03	6.48E-07	2.54E-07
2413	496318.25, 3859542.96	2.38E-03	3.75E-07	1.47E-07	2.57E-03	4.05E-07	1.25E-06	4.10E-03	6.45E-07	2.54E-07
2414	496418.25, 3859542.96	2.34E-03	3.69E-07	1.45E-07	2.53E-03	3.99E-07	1.23E-06	4.04E-03	6.36E-07	2.50E-07
2415	495718.25, 3859642.96	2.49E-03	3.92E-07	1.54E-07	2.69E-03	4.24E-07	1.31E-06	4.29E-03	6.76E-07	2.65E-07
2416	495818.25, 3859642.96	2.45E-03	3.87E-07	1.52E-07	2.65E-03	4.18E-07	1.29E-06	4.23E-03	6.66E-07	2.62E-07
2417	495918.25, 3859642.96	2.43E-03	3.83E-07	1.50E-07	2.62E-03	4.13E-07	1.27E-06	4.19E-03	6.59E-07	2.59E-07
2418	496018.25, 3859642.96	2.40E-03	3.78E-07	1.48E-07	2.59E-03	4.08E-07	1.26E-06	4.13E-03	6.51E-07	2.56E-07
2419	496118.25, 3859642.96	2.41E-03	3.80E-07	1.49E-07	2.61E-03	4.10E-07	1.26E-06	4.16E-03	6.55E-07	2.57E-07
2420	496218.25, 3859642.96	2.41E-03	3.80E-07	1.49E-07	2.61E-03	4.11E-07	1.27E-06	4.16E-03	6.55E-07	2.57E-07
2421	496318.25, 3859642.96	2.39E-03	3.76E-07	1.48E-07	2.58E-03	4.06E-07	1.25E-06	4.11E-03	6.48E-07	2.55E-07
2422	496418.25, 3859642.96	2.29E-03	3.62E-07	1.42E-07	2.48E-03	3.91E-07	1.20E-06	3.95E-03	6.23E-07	2.45E-07
2423	495718.25, 3859742.96	2.50E-03	3.94E-07	1.55E-07	2.70E-03	4.26E-07	1.31E-06	4.31E-03	6.79E-07	2.67E-07
2424	495818.25, 3859742.96	2.46E-03	3.88E-07	1.52E-07	2.66E-03	4.19E-07	1.29E-06	4.24E-03	6.68E-07	2.62E-07
2425	495918.25, 3859742.96	2.43E-03	3.83E-07	1.51E-07	2.63E-03	4.14E-07	1.28E-06	4.19E-03	6.60E-07	2.59E-07
2426	496018.25, 3859742.96	2.40E-03	3.78E-07	1.49E-07	2.59E-03	4.09E-07	1.26E-06	4.14E-03	6.52E-07	2.56E-07
2427	496118.25, 3859742.96	2.41E-03	3.79E-07	1.49E-07	2.60E-03	4.10E-07	1.26E-06	4.15E-03	6.53E-07	2.57E-07
2428	496218.25, 3859742.96	2.42E-03	3.81E-07	1.50E-07	2.61E-03	4.12E-07	1.27E-06	4.17E-03	6.56E-07	2.58E-07

2429	496318.25, 3859742.96	2.35E-03	3.70E-07	1.45E-07	2.54E-03	4.00E-07	1.23E-06	4.04E-03	6.37E-07	2.50E-07
2430	496418.25, 3859742.96	2.28E-03	3.59E-07	1.41E-07	2.46E-03	3.88E-07	1.20E-06	3.93E-03	6.19E-07	2.43E-07
2431	495718.25, 3859842.96	2.49E-03	3.92E-07	1.54E-07	2.69E-03	4.24E-07	1.30E-06	4.28E-03	6.75E-07	2.65E-07
2432	495818.25, 3859842.96	2.46E-03	3.88E-07	1.52E-07	2.66E-03	4.19E-07	1.29E-06	4.24E-03	6.67E-07	2.62E-07
2433	495918.25, 3859842.96	2.43E-03	3.83E-07	1.50E-07	2.63E-03	4.14E-07	1.27E-06	4.19E-03	6.59E-07	2.59E-07
2434	496018.25, 3859842.96	2.41E-03	3.80E-07	1.49E-07	2.61E-03	4.11E-07	1.26E-06	4.15E-03	6.54E-07	2.57E-07
2435	496118.25, 3859842.96	2.43E-03	3.82E-07	1.50E-07	2.62E-03	4.13E-07	1.27E-06	4.18E-03	6.58E-07	2.58E-07
2436	496218.25, 3859842.96	2.37E-03	3.73E-07	1.46E-07	2.56E-03	4.03E-07	1.24E-06	4.07E-03	6.42E-07	2.52E-07
2437	496318.25, 3859842.96	2.24E-03	3.53E-07	1.39E-07	2.42E-03	3.82E-07	1.18E-06	3.86E-03	6.09E-07	2.39E-07
2438	496418.25, 3859842.96	2.16E-03	3.40E-07	1.34E-07	2.33E-03	3.67E-07	1.13E-06	3.72E-03	5.85E-07	2.30E-07
2439	495718.25, 3859942.96	2.46E-03	3.87E-07	1.52E-07	2.65E-03	4.18E-07	1.29E-06	4.23E-03	6.66E-07	2.62E-07
2440	495818.25, 3859942.96	2.43E-03	3.83E-07	1.50E-07	2.62E-03	4.13E-07	1.27E-06	4.18E-03	6.58E-07	2.59E-07
2441	495918.25, 3859942.96	2.41E-03	3.80E-07	1.49E-07	2.60E-03	4.10E-07	1.26E-06	4.14E-03	6.53E-07	2.57E-07
2442	496018.25, 3859942.96	2.41E-03	3.79E-07	1.49E-07	2.60E-03	4.10E-07	1.26E-06	4.14E-03	6.52E-07	2.56E-07
2443	496118.25, 3859942.96	2.37E-03	3.73E-07	1.46E-07	2.55E-03	4.02E-07	1.24E-06	4.07E-03	6.41E-07	2.52E-07
2444	496218.25, 3859942.96	2.29E-03	3.61E-07	1.42E-07	2.48E-03	3.90E-07	1.20E-06	3.95E-03	6.22E-07	2.44E-07
2445	496318.25, 3859942.96	2.22E-03	3.49E-07	1.37E-07	2.39E-03	3.77E-07	1.16E-06	3.82E-03	6.01E-07	2.36E-07
2446	496418.25, 3859942.96	2.10E-03	3.31E-07	1.30E-07	2.27E-03	3.58E-07	1.10E-06	3.62E-03	5.70E-07	2.24E-07
2447	496856.82, 3858864.83	1.96E-03	3.08E-07	1.21E-07	2.11E-03	3.33E-07	1.03E-06	3.37E-03	5.31E-07	2.08E-07
2448	496956.82, 3858864.83	1.93E-03	3.04E-07	1.19E-07	2.08E-03	3.28E-07	1.01E-06	3.32E-03	5.23E-07	2.05E-07
2449	497056.82, 3858864.83	1.90E-03	2.99E-07	1.18E-07	2.05E-03	3.23E-07	9.96E-07	3.27E-03	5.15E-07	2.02E-07
2450	497156.82, 3858864.83	1.87E-03	2.94E-07	1.15E-07	2.02E-03	3.17E-07	9.78E-07	3.21E-03	5.06E-07	1.99E-07
2451	497256.82, 3858864.83	1.86E-03	2.92E-07	1.15E-07	2.00E-03	3.16E-07	9.72E-07	3.19E-03	5.03E-07	1.98E-07
2452	496856.82, 3858964.83	2.01E-03	3.16E-07	1.24E-07	2.17E-03	3.41E-07	1.05E-06	3.45E-03	5.44E-07	2.14E-07
2453	496956.82, 3858964.83	1.96E-03	3.09E-07	1.21E-07	2.12E-03	3.34E-07	1.03E-06	3.38E-03	5.32E-07	2.09E-07
2454	497056.82, 3858964.83	1.93E-03	3.04E-07	1.20E-07	2.09E-03	3.29E-07	1.01E-06	3.32E-03	5.24E-07	2.06E-07
2455	497156.82, 3858964.83	1.90E-03	2.99E-07	1.18E-07	2.05E-03	3.23E-07	9.95E-07	3.27E-03	5.15E-07	2.02E-07
2456	497256.82, 3858964.83	1.92E-03	3.02E-07	1.19E-07	2.07E-03	3.26E-07	1.00E-06	3.30E-03	5.19E-07	2.04E-07
2457	496856.82, 3859064.83	2.02E-03	3.19E-07	1.25E-07	2.19E-03	3.44E-07	1.06E-06	3.48E-03	5.49E-07	2.16E-07
2458	496956.82, 3859064.83	1.99E-03	3.13E-07	1.23E-07	2.15E-03	3.38E-07	1.04E-06	3.42E-03	5.39E-07	2.12E-07
2459	497056.82, 3859064.83	1.96E-03	3.09E-07	1.21E-07	2.12E-03	3.34E-07	1.03E-06	3.38E-03	5.32E-07	2.09E-07
2460	497156.82, 3859064.83	1.94E-03	3.05E-07	1.20E-07	2.09E-03	3.30E-07	1.02E-06	3.34E-03	5.26E-07	2.06E-07
2461	497256.82, 3859064.83	1.97E-03	3.11E-07	1.22E-07	2.13E-03	3.35E-07	1.03E-06	3.39E-03	5.35E-07	2.10E-07
2462	496856.82, 3859164.83	2.02E-03	3.18E-07	1.25E-07	2.18E-03	3.44E-07	1.06E-06	3.48E-03	5.48E-07	2.15E-07
2463	496956.82, 3859164.83	1.98E-03	3.12E-07	1.23E-07	2.14E-03	3.37E-07	1.04E-06	3.41E-03	5.38E-07	2.11E-07
2464	497056.82, 3859164.83	1.97E-03	3.10E-07	1.22E-07	2.13E-03	3.35E-07	1.03E-06	3.39E-03	5.34E-07	2.10E-07
2465	497156.82, 3859164.83	1.98E-03	3.12E-07	1.23E-07	2.14E-03	3.37E-07	1.04E-06	3.41E-03	5.37E-07	2.11E-07
2466	497256.82, 3859164.83	2.02E-03	3.19E-07	1.25E-07	2.19E-03	3.45E-07	1.06E-06	3.49E-03	5.49E-07	2.16E-07
2467	496856.82, 3859264.83	2.00E-03	3.15E-07	1.24E-07	2.16E-03	3.41E-07	1.05E-06	3.45E-03	5.43E-07	2.13E-07
2468	496956.82, 3859264.83	2.00E-03	3.15E-07	1.24E-07	2.16E-03	3.40E-07	1.05E-06	3.44E-03	5.42E-07	2.13E-07
2469	497056.82, 3859264.83	2.01E-03	3.17E-07	1.25E-07	2.17E-03	3.42E-07	1.05E-06	3.46E-03	5.46E-07	2.14E-07
2470	497156.82, 3859264.83	2.02E-03	3.19E-07	1.25E-07	2.18E-03	3.44E-07	1.06E-06	3.48E-03	5.49E-07	2.16E-07
2471	497256.82, 3859264.83	2.06E-03	3.24E-07	1.27E-07	2.22E-03	3.50E-07	1.08E-06	3.54E-03	5.58E-07	2.19E-07
2472	497088.92, 3858620.93	1.78E-03	2.81E-07	1.10E-07	1.92E-03	3.03E-07	9.34E-07	3.07E-03	4.83E-07	1.90E-07
2473	497138.92, 3858620.93	1.78E-03	2.80E-07	1.10E-07	1.92E-03	3.03E-07	9.32E-07	3.06E-03	4.82E-07	1.89E-07
2474	497188.92, 3858620.93	1.77E-03	2.78E-07	1.09E-07	1.91E-03	3.01E-07	9.26E-07	3.04E-03	4.79E-07	1.88E-07
2475	497238.92, 3858620.93	1.76E-03	2.77E-07	1.09E-07	1.90E-03	2.99E-07	9.21E-07	3.02E-03	4.76E-07	1.87E-07
2476	497088.92, 3858670.93	1.79E-03	2.81E-07	1.11E-07	1.93E-03	3.04E-07	9.36E-07	3.07E-03	4.84E-07	1.90E-07
2477	497138.92, 3858670.93	1.79E-03	2.82E-07	1.11E-07	1.94E-03	3.05E-07	9.39E-07	3.08E-03	4.85E-07	1.91E-07
2478	497188.92, 3858670.93	1.78E-03	2.80E-07	1.10E-07	1.92E-03	3.02E-07	9.31E-07	3.06E-03	4.81E-07	1.89E-07
2479	497238.92, 3858670.93	1.77E-03	2.79E-07	1.10E-07	1.91E-03	3.02E-07	9.29E-07	3.05E-03	4.80E-07	1.89E-07
2480	497088.92, 3858720.93	1.82E-03	2.87E-07	1.13E-07	1.97E-03	3.10E-07	9.55E-07	3.14E-03	4.94E-07	1.94E-07
2481	497138.92, 3858720.93	1.78E-03	2.81E-07	1.10E-07	1.92E-03	3.03E-07	9.33E-07	3.06E-03	4.83E-07	1.90E-07
2482	497188.92, 3858720.93	1.77E-03	2.79E-07	1.10E-07	1.91E-03	3.01E-07	9.28E-07	3.05E-03	4.80E-07	1.89E-07
2483	497238.92, 3858720.93	1.79E-03	2.82E-07	1.11E-07	1.94E-03	3.05E-07	9.39E-07	3.08E-03	4.86E-07	1.91E-07
2484	497088.92, 3858770.93	1.83E-03	2.89E-07	1.13E-07	1.98E-03	3.12E-07	9.61E-07	3.15E-03	4.97E-07	1.95E-07
2485	497138.92, 3858770.93	1.82E-03	2.86E-07	1.12E-07	1.96E-03	3.09E-07	9.51E-07	3.12E-03	4.92E-07	1.93E-07
2486	497188.92, 3858770.93	1.80E-03	2.84E-07	1.11E-07	1.94E-03	3.06E-07	9.44E-07	3.10E-03	4.88E-07	1.92E-07
2487	497238.92, 3858770.93	1.81E-03	2.86E-07	1.12E-07	1.96E-03	3.08E-07	9.50E-07	3.12E-03	4.91E-07	1.93E-07
2488	497396.65, 3858622.63	1.82E-03	2.87E-07	1.13E-07	1.97E-03	3.10E-07	9.56E-07	3.14E-03	4.94E-07	1.94E-07
2489	497496.65, 3858622.63	1.86E-03	2.93E-07	1.15E-07	2.01E-03	3.16E-07	9.74E-07	3.20E-03	5.04E-07	1.98E-07
2490	497596.65, 3858622.63	1.93E-03	3.04E-07	1.19E-07	2.08E-03	3.28E-07	1.01E-06	3.32E-03	5.22E-07	2.05E-07
2491	497696.65, 3858622.63	1.95E-03	3.07E-07	1.20E-07	2.10E-03	3.31E-07	1.02E-06	3.35E-03	5.28E-07	2.07E-07
2492	497796.65, 3858622.63	1.99E-03	3.13E-07	1.23E-07	2.15E-03	3.38E-07	1.04E-06	3.43E-03	5.40E-07	2.12E-07

2493	497896.65, 3858622.63	2.03E-03	3.20E-07	1.26E-07	2.20E-03	3.46E-07	1.07E-06	3.50E-03	5.51E-07	2.17E-07
2494	497396.65, 3858722.63	1.87E-03	2.95E-07	1.16E-07	2.02E-03	3.18E-07	9.80E-07	3.22E-03	5.07E-07	1.99E-07
2495	497496.65, 3858722.63	1.91E-03	3.00E-07	1.18E-07	2.06E-03	3.24E-07	9.99E-07	3.28E-03	5.17E-07	2.03E-07
2496	497596.65, 3858722.63	1.97E-03	3.11E-07	1.22E-07	2.13E-03	3.36E-07	1.03E-06	3.40E-03	5.35E-07	2.10E-07
2497	497696.65, 3858722.63	2.01E-03	3.16E-07	1.24E-07	2.17E-03	3.42E-07	1.05E-06	3.46E-03	5.45E-07	2.14E-07
2498	497796.65, 3858722.63	2.03E-03	3.19E-07	1.25E-07	2.19E-03	3.45E-07	1.06E-06	3.49E-03	5.50E-07	2.16E-07
2499	497896.65, 3858722.63	2.05E-03	3.24E-07	1.27E-07	2.22E-03	3.50E-07	1.08E-06	3.54E-03	5.57E-07	2.19E-07
2500	497396.65, 3858822.63	1.90E-03	2.99E-07	1.17E-07	2.05E-03	3.23E-07	9.94E-07	3.27E-03	5.14E-07	2.02E-07
2501	497496.65, 3858822.63	1.93E-03	3.04E-07	1.19E-07	2.08E-03	3.28E-07	1.01E-06	3.32E-03	5.23E-07	2.06E-07
2502	497596.65, 3858822.63	2.01E-03	3.16E-07	1.24E-07	2.17E-03	3.41E-07	1.05E-06	3.45E-03	5.44E-07	2.14E-07
2503	497696.65, 3858822.63	2.03E-03	3.20E-07	1.26E-07	2.20E-03	3.46E-07	1.07E-06	3.50E-03	5.51E-07	2.17E-07
2504	497796.65, 3858822.63	2.05E-03	3.23E-07	1.27E-07	2.21E-03	3.49E-07	1.07E-06	3.53E-03	5.56E-07	2.18E-07
2505	497896.65, 3858822.63	2.10E-03	3.31E-07	1.30E-07	2.27E-03	3.57E-07	1.10E-06	3.62E-03	5.70E-07	2.24E-07
2506	497396.65, 3858922.63	1.93E-03	3.04E-07	1.20E-07	2.09E-03	3.29E-07	1.01E-06	3.32E-03	5.24E-07	2.06E-07
2507	497496.65, 3858922.63	2.00E-03	3.15E-07	1.24E-07	2.16E-03	3.40E-07	1.05E-06	3.44E-03	5.42E-07	2.13E-07
2508	497596.65, 3858922.63	1.99E-03	3.14E-07	1.23E-07	2.15E-03	3.39E-07	1.04E-06	3.43E-03	5.41E-07	2.12E-07
2509	497696.65, 3858922.63	2.07E-03	3.26E-07	1.28E-07	2.23E-03	3.52E-07	1.08E-06	3.56E-03	5.61E-07	2.20E-07
2510	497796.65, 3858922.63	2.11E-03	3.32E-07	1.30E-07	2.28E-03	3.58E-07	1.10E-06	3.63E-03	5.72E-07	2.25E-07
2511	497896.65, 3858922.63	2.17E-03	3.42E-07	1.34E-07	2.34E-03	3.69E-07	1.14E-06	3.74E-03	5.89E-07	2.31E-07
2512	497364.44, 3858201.52	1.74E-03	2.74E-07	1.08E-07	1.88E-03	2.96E-07	9.10E-07	2.99E-03	4.71E-07	1.85E-07
2513	497414.44, 3858201.52	1.75E-03	2.76E-07	1.09E-07	1.89E-03	2.98E-07	9.19E-07	3.02E-03	4.75E-07	1.87E-07
2514	497464.44, 3858201.52	1.77E-03	2.79E-07	1.09E-07	1.91E-03	3.01E-07	9.26E-07	3.04E-03	4.79E-07	1.88E-07
2515	497514.44, 3858201.52	1.78E-03	2.80E-07	1.10E-07	1.92E-03	3.02E-07	9.30E-07	3.05E-03	4.81E-07	1.89E-07
2516	497564.44, 3858201.52	1.77E-03	2.78E-07	1.09E-07	1.91E-03	3.01E-07	9.26E-07	3.04E-03	4.79E-07	1.88E-07
2517	497614.44, 3858201.52	1.77E-03	2.79E-07	1.10E-07	1.91E-03	3.01E-07	9.28E-07	3.05E-03	4.80E-07	1.88E-07
2518	497364.44, 3858251.52	1.77E-03	2.78E-07	1.09E-07	1.91E-03	3.00E-07	9.25E-07	3.04E-03	4.78E-07	1.88E-07
2519	497414.44, 3858251.52	1.79E-03	2.82E-07	1.11E-07	1.93E-03	3.04E-07	9.37E-07	3.08E-03	4.85E-07	1.90E-07
2520	497464.44, 3858251.52	1.77E-03	2.80E-07	1.10E-07	1.92E-03	3.02E-07	9.30E-07	3.05E-03	4.81E-07	1.89E-07
2521	497514.44, 3858251.52	1.76E-03	2.77E-07	1.09E-07	1.90E-03	2.99E-07	9.20E-07	3.02E-03	4.76E-07	1.87E-07
2522	497564.44, 3858251.52	1.75E-03	2.76E-07	1.08E-07	1.89E-03	2.98E-07	9.17E-07	3.01E-03	4.74E-07	1.86E-07
2523	497614.44, 3858251.52	1.74E-03	2.75E-07	1.08E-07	1.88E-03	2.97E-07	9.14E-07	3.00E-03	4.73E-07	1.86E-07
2524	497364.44, 3858301.52	1.77E-03	2.79E-07	1.10E-07	1.91E-03	3.01E-07	9.28E-07	3.05E-03	4.80E-07	1.88E-07
2525	497414.44, 3858301.52	1.79E-03	2.81E-07	1.10E-07	1.93E-03	3.04E-07	9.35E-07	3.07E-03	4.84E-07	1.90E-07
2526	497464.44, 3858301.52	1.77E-03	2.78E-07	1.09E-07	1.91E-03	3.00E-07	9.25E-07	3.04E-03	4.78E-07	1.88E-07
2527	497514.44, 3858301.52	1.75E-03	2.76E-07	1.08E-07	1.89E-03	2.98E-07	9.19E-07	3.01E-03	4.75E-07	1.87E-07
2528	497564.44, 3858301.52	1.73E-03	2.73E-07	1.07E-07	1.87E-03	2.95E-07	9.08E-07	2.98E-03	4.70E-07	1.85E-07
2529	497614.44, 3858301.52	1.73E-03	2.72E-07	1.07E-07	1.86E-03	2.94E-07	9.05E-07	2.97E-03	4.68E-07	1.84E-07
2530	497364.44, 3858351.52	1.78E-03	2.81E-07	1.10E-07	1.92E-03	3.03E-07	9.33E-07	3.06E-03	4.83E-07	1.90E-07
2531	497414.44, 3858351.52	1.77E-03	2.79E-07	1.09E-07	1.91E-03	3.01E-07	9.27E-07	3.04E-03	4.79E-07	1.88E-07
2532	497464.44, 3858351.52	1.76E-03	2.78E-07	1.09E-07	1.90E-03	3.00E-07	9.24E-07	3.03E-03	4.78E-07	1.88E-07
2533	497514.44, 3858351.52	1.75E-03	2.76E-07	1.09E-07	1.89E-03	2.98E-07	9.19E-07	3.02E-03	4.75E-07	1.87E-07
2534	497564.44, 3858351.52	1.73E-03	2.72E-07	1.07E-07	1.87E-03	2.94E-07	9.06E-07	2.97E-03	4.68E-07	1.84E-07
2535	497614.44, 3858351.52	1.72E-03	2.71E-07	1.07E-07	1.86E-03	2.93E-07	9.03E-07	2.96E-03	4.67E-07	1.83E-07
2536	497364.44, 3858401.52	1.76E-03	2.78E-07	1.09E-07	1.90E-03	3.00E-07	9.23E-07	3.03E-03	4.77E-07	1.88E-07
2537	497414.44, 3858401.52	1.76E-03	2.77E-07	1.09E-07	1.90E-03	3.00E-07	9.23E-07	3.03E-03	4.77E-07	1.87E-07
2538	497464.44, 3858401.52	1.75E-03	2.75E-07	1.08E-07	1.89E-03	2.97E-07	9.16E-07	3.01E-03	4.73E-07	1.86E-07
2539	497514.44, 3858401.52	1.74E-03	2.74E-07	1.08E-07	1.88E-03	2.96E-07	9.12E-07	2.99E-03	4.71E-07	1.85E-07
2540	497564.44, 3858401.52	1.76E-03	2.77E-07	1.09E-07	1.90E-03	2.99E-07	9.21E-07	3.02E-03	4.76E-07	1.87E-07
2541	497614.44, 3858401.52	1.77E-03	2.79E-07	1.10E-07	1.91E-03	3.01E-07	9.28E-07	3.05E-03	4.80E-07	1.89E-07
2542	493478.11, 3860497.94	2.47E-03	3.89E-07	1.53E-07	2.67E-03	4.21E-07	1.30E-06	4.25E-03	6.69E-07	2.63E-07
2543	493528.11, 3860497.94	2.47E-03	3.88E-07	1.53E-07	2.66E-03	4.19E-07	1.29E-06	4.23E-03	6.67E-07	2.62E-07
2544	493478.11, 3860547.94	2.42E-03	3.81E-07	1.50E-07	2.61E-03	4.12E-07	1.27E-06	4.16E-03	6.55E-07	2.57E-07
2545	493528.11, 3860547.94	2.41E-03	3.80E-07	1.49E-07	2.61E-03	4.10E-07	1.26E-06	4.14E-03	6.53E-07	2.56E-07
2546	493478.11, 3860597.94	2.37E-03	3.73E-07	1.47E-07	2.56E-03	4.03E-07	1.24E-06	4.07E-03	6.41E-07	2.52E-07
2547	493528.11, 3860597.94	2.36E-03	3.72E-07	1.46E-07	2.55E-03	4.02E-07	1.24E-06	4.06E-03	6.39E-07	2.51E-07
2548	493561.88, 3860524.64	2.43E-03	3.83E-07	1.51E-07	2.63E-03	4.14E-07	1.27E-06	4.18E-03	6.58E-07	2.59E-07
2549	493591.88, 3860524.64	2.43E-03	3.83E-07	1.50E-07	2.62E-03	4.13E-07	1.27E-06	4.18E-03	6.58E-07	2.58E-07
2550	493561.88, 3860554.64	2.40E-03	3.78E-07	1.49E-07	2.59E-03	4.09E-07	1.26E-06	4.13E-03	6.50E-07	2.55E-07
2551	493591.88, 3860554.64	2.40E-03	3.78E-07	1.49E-07	2.59E-03	4.08E-07	1.26E-06	4.12E-03	6.50E-07	2.55E-07
2552	492880.5, 3860293.11	2.77E-03	4.36E-07	1.71E-07	2.99E-03	4.71E-07	1.45E-06	4.75E-03	7.48E-07	2.94E-07
2553	492930.5, 3860293.11	2.77E-03	4.36E-07	1.71E-07	2.99E-03	4.70E-07	1.45E-06	4.74E-03	7.47E-07	2.94E-07
2554	492980.5, 3860293.11	2.76E-03	4.35E-07	1.71E-07	2.98E-03	4.70E-07	1.45E-06	4.74E-03	7.47E-07	2.93E-07
2555	493030.5, 3860293.11	2.77E-03	4.36E-07	1.71E-07	2.99E-03	4.70E-07	1.45E-06	4.75E-03	7.48E-07	2.94E-07
2556	493080.5, 3860293.11	2.76E-03	4.36E-07	1.71E-07	2.99E-03	4.70E-07	1.45E-06	4.75E-03	7.48E-07	2.94E-07

2557	493130.5, 3860293.11	2.75E-03	4.34E-07	1.70E-07	2.97E-03	4.68E-07	1.44E-06	4.73E-03	7.45E-07	2.93E-07
2558	493180.5, 3860293.11	2.74E-03	4.32E-07	1.70E-07	2.96E-03	4.66E-07	1.44E-06	4.71E-03	7.42E-07	2.91E-07
2559	493230.5, 3860293.11	2.73E-03	4.31E-07	1.69E-07	2.95E-03	4.65E-07	1.43E-06	4.69E-03	7.39E-07	2.90E-07
2560	493280.5, 3860293.11	2.73E-03	4.30E-07	1.69E-07	2.95E-03	4.64E-07	1.43E-06	4.69E-03	7.38E-07	2.90E-07
2561	493330.5, 3860293.11	2.72E-03	4.29E-07	1.68E-07	2.94E-03	4.63E-07	1.43E-06	4.68E-03	7.37E-07	2.89E-07
2562	493380.5, 3860293.11	2.71E-03	4.28E-07	1.68E-07	2.93E-03	4.62E-07	1.42E-06	4.66E-03	7.34E-07	2.89E-07
2563	492880.5, 3860343.11	2.70E-03	4.26E-07	1.67E-07	2.92E-03	4.60E-07	1.42E-06	4.63E-03	7.30E-07	2.87E-07
2564	492930.5, 3860343.11	2.70E-03	4.25E-07	1.67E-07	2.91E-03	4.59E-07	1.41E-06	4.63E-03	7.29E-07	2.87E-07
2565	492980.5, 3860343.11	2.71E-03	4.27E-07	1.68E-07	2.92E-03	4.61E-07	1.42E-06	4.65E-03	7.32E-07	2.88E-07
2566	493030.5, 3860343.11	2.70E-03	4.26E-07	1.67E-07	2.92E-03	4.60E-07	1.42E-06	4.64E-03	7.31E-07	2.87E-07
2567	493080.5, 3860343.11	2.70E-03	4.26E-07	1.67E-07	2.92E-03	4.60E-07	1.42E-06	4.64E-03	7.32E-07	2.87E-07
2568	493130.5, 3860343.11	2.70E-03	4.25E-07	1.67E-07	2.91E-03	4.59E-07	1.41E-06	4.63E-03	7.29E-07	2.86E-07
2569	493180.5, 3860343.11	2.68E-03	4.23E-07	1.66E-07	2.90E-03	4.56E-07	1.41E-06	4.61E-03	7.26E-07	2.85E-07
2570	493230.5, 3860343.11	2.68E-03	4.21E-07	1.66E-07	2.89E-03	4.55E-07	1.40E-06	4.59E-03	7.24E-07	2.84E-07
2571	493280.5, 3860343.11	2.67E-03	4.21E-07	1.65E-07	2.89E-03	4.55E-07	1.40E-06	4.59E-03	7.23E-07	2.84E-07
2572	493330.5, 3860343.11	2.67E-03	4.20E-07	1.65E-07	2.88E-03	4.54E-07	1.40E-06	4.58E-03	7.22E-07	2.84E-07
2573	493380.5, 3860343.11	2.66E-03	4.19E-07	1.65E-07	2.87E-03	4.52E-07	1.39E-06	4.57E-03	7.20E-07	2.83E-07
2574	492880.5, 3860393.11	2.64E-03	4.15E-07	1.63E-07	2.85E-03	4.48E-07	1.38E-06	4.52E-03	7.12E-07	2.80E-07
2575	492930.5, 3860393.11	2.64E-03	4.15E-07	1.63E-07	2.85E-03	4.48E-07	1.38E-06	4.52E-03	7.12E-07	2.80E-07
2576	492980.5, 3860393.11	2.64E-03	4.16E-07	1.63E-07	2.85E-03	4.49E-07	1.38E-06	4.53E-03	7.14E-07	2.80E-07
2577	493030.5, 3860393.11	2.64E-03	4.16E-07	1.63E-07	2.85E-03	4.49E-07	1.38E-06	4.53E-03	7.14E-07	2.80E-07
2578	493080.5, 3860393.11	2.64E-03	4.17E-07	1.64E-07	2.86E-03	4.50E-07	1.39E-06	4.54E-03	7.15E-07	2.81E-07
2579	493130.5, 3860393.11	2.64E-03	4.15E-07	1.63E-07	2.85E-03	4.48E-07	1.38E-06	4.52E-03	7.13E-07	2.80E-07
2580	493180.5, 3860393.11	2.62E-03	4.13E-07	1.62E-07	2.83E-03	4.46E-07	1.37E-06	4.50E-03	7.09E-07	2.79E-07
2581	493230.5, 3860393.11	2.62E-03	4.12E-07	1.62E-07	2.83E-03	4.45E-07	1.37E-06	4.49E-03	7.08E-07	2.78E-07
2582	493280.5, 3860393.11	2.62E-03	4.12E-07	1.62E-07	2.82E-03	4.45E-07	1.37E-06	4.49E-03	7.08E-07	2.78E-07
2583	493330.5, 3860393.11	2.61E-03	4.12E-07	1.62E-07	2.82E-03	4.44E-07	1.37E-06	4.49E-03	7.07E-07	2.78E-07
2584	493380.5, 3860393.11	2.61E-03	4.11E-07	1.61E-07	2.81E-03	4.43E-07	1.37E-06	4.48E-03	7.05E-07	2.77E-07
2585	492880.5, 3860443.11	2.57E-03	4.05E-07	1.59E-07	2.78E-03	4.38E-07	1.35E-06	4.41E-03	6.95E-07	2.73E-07
2586	492930.5, 3860443.11	2.57E-03	4.05E-07	1.59E-07	2.78E-03	4.37E-07	1.35E-06	4.41E-03	6.95E-07	2.73E-07
2587	492980.5, 3860443.11	2.57E-03	4.06E-07	1.59E-07	2.78E-03	4.38E-07	1.35E-06	4.42E-03	6.96E-07	2.73E-07
2588	493030.5, 3860443.11	2.58E-03	4.06E-07	1.59E-07	2.78E-03	4.38E-07	1.35E-06	4.42E-03	6.96E-07	2.74E-07
2589	493080.5, 3860443.11	2.57E-03	4.05E-07	1.59E-07	2.78E-03	4.38E-07	1.35E-06	4.42E-03	6.96E-07	2.73E-07
2590	493130.5, 3860443.11	2.57E-03	4.05E-07	1.59E-07	2.78E-03	4.37E-07	1.35E-06	4.41E-03	6.95E-07	2.73E-07
2591	493180.5, 3860443.11	2.56E-03	4.03E-07	1.58E-07	2.76E-03	4.35E-07	1.34E-06	4.39E-03	6.92E-07	2.72E-07
2592	493230.5, 3860443.11	2.56E-03	4.04E-07	1.59E-07	2.77E-03	4.36E-07	1.34E-06	4.40E-03	6.93E-07	2.72E-07
2593	493280.5, 3860443.11	2.56E-03	4.03E-07	1.58E-07	2.76E-03	4.35E-07	1.34E-06	4.39E-03	6.92E-07	2.72E-07
2594	493330.5, 3860443.11	2.56E-03	4.03E-07	1.58E-07	2.76E-03	4.35E-07	1.34E-06	4.39E-03	6.92E-07	2.72E-07
2595	493380.5, 3860443.11	2.55E-03	4.02E-07	1.58E-07	2.75E-03	4.34E-07	1.34E-06	4.38E-03	6.90E-07	2.71E-07
2596	493180.5, 3860493.11	2.50E-03	3.94E-07	1.55E-07	2.70E-03	4.26E-07	1.31E-06	4.30E-03	6.77E-07	2.66E-07
2597	493230.5, 3860493.11	2.50E-03	3.94E-07	1.55E-07	2.70E-03	4.26E-07	1.31E-06	4.30E-03	6.77E-07	2.66E-07
2598	493280.5, 3860493.11	2.50E-03	3.94E-07	1.55E-07	2.70E-03	4.26E-07	1.31E-06	4.30E-03	6.77E-07	2.66E-07
2599	493330.5, 3860493.11	2.50E-03	3.94E-07	1.55E-07	2.70E-03	4.25E-07	1.31E-06	4.29E-03	6.76E-07	2.66E-07
2600	493380.5, 3860493.11	2.49E-03	3.93E-07	1.54E-07	2.69E-03	4.24E-07	1.31E-06	4.28E-03	6.75E-07	2.65E-07
2601	493330.5, 3860543.11	2.45E-03	3.85E-07	1.51E-07	2.64E-03	4.16E-07	1.28E-06	4.20E-03	6.62E-07	2.60E-07
2602	493380.5, 3860543.11	2.44E-03	3.84E-07	1.51E-07	2.63E-03	4.15E-07	1.28E-06	4.19E-03	6.60E-07	2.59E-07
2603	494135.94, 3860876.85	2.06E-03	3.24E-07	1.27E-07	2.22E-03	3.50E-07	1.08E-06	3.54E-03	5.57E-07	2.19E-07
2604	494185.94, 3860876.85	2.05E-03	3.24E-07	1.27E-07	2.22E-03	3.49E-07	1.08E-06	3.53E-03	5.56E-07	2.18E-07
2605	494135.94, 3860926.85	2.02E-03	3.18E-07	1.25E-07	2.18E-03	3.43E-07	1.06E-06	3.46E-03	5.46E-07	2.14E-07
2606	494185.94, 3860926.85	2.01E-03	3.17E-07	1.25E-07	2.17E-03	3.42E-07	1.05E-06	3.46E-03	5.45E-07	2.14E-07
2607	494135.94, 3860976.85	1.98E-03	3.11E-07	1.22E-07	2.13E-03	3.36E-07	1.03E-06	3.39E-03	5.35E-07	2.10E-07
2608	494185.94, 3860976.85	1.97E-03	3.11E-07	1.22E-07	2.13E-03	3.36E-07	1.03E-06	3.39E-03	5.34E-07	2.10E-07
2609	494135.94, 3861026.85	1.93E-03	3.05E-07	1.20E-07	2.09E-03	3.29E-07	1.01E-06	3.32E-03	5.23E-07	2.06E-07
2610	494185.94, 3861026.85	1.93E-03	3.04E-07	1.20E-07	2.09E-03	3.29E-07	1.01E-06	3.32E-03	5.23E-07	2.05E-07
2611	494135.94, 3861076.85	1.89E-03	2.98E-07	1.17E-07	2.04E-03	3.22E-07	9.92E-07	3.25E-03	5.12E-07	2.01E-07
2612	494185.94, 3861076.85	1.89E-03	2.98E-07	1.17E-07	2.04E-03	3.22E-07	9.92E-07	3.25E-03	5.12E-07	2.01E-07
2613	490360.04, 3858710.04	9.35E-03	1.47E-06	5.79E-07	1.01E-02	1.59E-06	4.89E-06	1.59E-02	2.50E-06	9.81E-07
2614	490410.04, 3858710.04	9.22E-03	1.45E-06	5.71E-07	9.94E-03	1.57E-06	4.82E-06	1.57E-02	2.47E-06	9.69E-07
2615	490460.04, 3858710.04	9.08E-03	1.43E-06	5.62E-07	9.80E-03	1.54E-06	4.75E-06	1.54E-02	2.43E-06	9.56E-07
2616	490510.04, 3858710.04	8.96E-03	1.41E-06	5.54E-07	9.66E-03	1.52E-06	4.69E-06	1.52E-02	2.40E-06	9.43E-07
2617	490560.04, 3858710.04	8.83E-03	1.39E-06	5.47E-07	9.53E-03	1.50E-06	4.62E-06	1.50E-02	2.37E-06	9.31E-07
2618	490610.04, 3858710.04	8.71E-03	1.37E-06	5.39E-07	9.39E-03	1.48E-06	4.56E-06	1.48E-02	2.34E-06	9.19E-07
2619	490660.04, 3858710.04	8.60E-03	1.35E-06	5.32E-07	9.28E-03	1.46E-06	4.50E-06	1.47E-02	2.31E-06	9.08E-07
2620	490710.04, 3858710.04	8.45E-03	1.33E-06	5.23E-07	9.11E-03	1.44E-06	4.42E-06	1.44E-02	2.27E-06	8.92E-07

2621	490760.04, 3858710.04	8.32E-03	1.31E-06	5.15E-07	8.98E-03	1.41E-06	4.36E-06	1.42E-02	2.24E-06	8.79E-07
2622	490810.04, 3858710.04	8.20E-03	1.29E-06	5.08E-07	8.85E-03	1.39E-06	4.29E-06	1.40E-02	2.21E-06	8.67E-07
2623	490860.04, 3858710.04	8.07E-03	1.27E-06	4.99E-07	8.71E-03	1.37E-06	4.23E-06	1.38E-02	2.17E-06	8.54E-07
2624	490360.04, 3858760.04	9.02E-03	1.42E-06	5.58E-07	9.72E-03	1.53E-06	4.72E-06	1.53E-02	2.41E-06	9.46E-07
2625	490410.04, 3858760.04	8.90E-03	1.40E-06	5.51E-07	9.59E-03	1.51E-06	4.65E-06	1.51E-02	2.38E-06	9.34E-07
2626	490460.04, 3858760.04	8.77E-03	1.38E-06	5.43E-07	9.46E-03	1.49E-06	4.59E-06	1.49E-02	2.35E-06	9.23E-07
2627	490510.04, 3858760.04	8.65E-03	1.36E-06	5.35E-07	9.33E-03	1.47E-06	4.53E-06	1.47E-02	2.32E-06	9.11E-07
2628	490560.04, 3858760.04	8.53E-03	1.34E-06	5.28E-07	9.20E-03	1.45E-06	4.46E-06	1.45E-02	2.29E-06	8.99E-07
2629	490610.04, 3858760.04	8.41E-03	1.33E-06	5.21E-07	9.07E-03	1.43E-06	4.40E-06	1.43E-02	2.26E-06	8.88E-07
2630	490660.04, 3858760.04	8.27E-03	1.30E-06	5.12E-07	8.92E-03	1.40E-06	4.33E-06	1.41E-02	2.22E-06	8.72E-07
2631	490710.04, 3858760.04	8.15E-03	1.28E-06	5.04E-07	8.79E-03	1.39E-06	4.27E-06	1.39E-02	2.19E-06	8.61E-07
2632	490760.04, 3858760.04	8.03E-03	1.26E-06	4.97E-07	8.66E-03	1.36E-06	4.20E-06	1.37E-02	2.16E-06	8.48E-07
2633	490810.04, 3858760.04	7.91E-03	1.25E-06	4.89E-07	8.53E-03	1.34E-06	4.14E-06	1.35E-02	2.13E-06	8.36E-07
2634	490860.04, 3858760.04	7.80E-03	1.23E-06	4.82E-07	8.41E-03	1.33E-06	4.08E-06	1.33E-02	2.10E-06	8.25E-07
2635	490360.04, 3858810.04	8.68E-03	1.37E-06	5.37E-07	9.36E-03	1.47E-06	4.54E-06	1.47E-02	2.32E-06	9.10E-07
2636	490410.04, 3858810.04	8.57E-03	1.35E-06	5.30E-07	9.24E-03	1.46E-06	4.48E-06	1.45E-02	2.29E-06	9.00E-07
2637	490460.04, 3858810.04	8.45E-03	1.33E-06	5.23E-07	9.12E-03	1.44E-06	4.42E-06	1.44E-02	2.26E-06	8.89E-07
2638	490510.04, 3858810.04	8.35E-03	1.31E-06	5.16E-07	9.00E-03	1.42E-06	4.37E-06	1.42E-02	2.24E-06	8.78E-07
2639	490560.04, 3858810.04	8.24E-03	1.30E-06	5.10E-07	8.88E-03	1.40E-06	4.31E-06	1.40E-02	2.21E-06	8.68E-07
2640	490610.04, 3858810.04	8.12E-03	1.28E-06	5.03E-07	8.76E-03	1.38E-06	4.25E-06	1.38E-02	2.18E-06	8.57E-07
2641	490660.04, 3858810.04	7.98E-03	1.26E-06	4.94E-07	8.60E-03	1.36E-06	4.17E-06	1.36E-02	2.14E-06	8.41E-07
2642	490710.04, 3858810.04	7.86E-03	1.24E-06	4.86E-07	8.48E-03	1.34E-06	4.11E-06	1.34E-02	2.11E-06	8.30E-07
2643	490760.04, 3858810.04	7.73E-03	1.22E-06	4.78E-07	8.34E-03	1.31E-06	4.05E-06	1.32E-02	2.08E-06	8.17E-07
2644	490810.04, 3858810.04	7.64E-03	1.20E-06	4.73E-07	8.24E-03	1.30E-06	4.00E-06	1.30E-02	2.06E-06	8.07E-07
2645	490860.04, 3858810.04	7.52E-03	1.18E-06	4.65E-07	8.11E-03	1.28E-06	3.94E-06	1.29E-02	2.03E-06	7.96E-07
2646	490360.04, 3858860.04	8.34E-03	1.31E-06	5.16E-07	8.99E-03	1.42E-06	4.36E-06	1.41E-02	2.23E-06	8.75E-07
2647	490410.04, 3858860.04	8.25E-03	1.30E-06	5.10E-07	8.89E-03	1.40E-06	4.31E-06	1.40E-02	2.20E-06	8.65E-07
2648	490460.04, 3858860.04	8.14E-03	1.28E-06	5.04E-07	8.77E-03	1.38E-06	4.26E-06	1.38E-02	2.18E-06	8.55E-07
2649	490510.04, 3858860.04	8.04E-03	1.27E-06	4.98E-07	8.67E-03	1.37E-06	4.21E-06	1.37E-02	2.15E-06	8.46E-07
2650	490560.04, 3858860.04	7.94E-03	1.25E-06	4.91E-07	8.56E-03	1.35E-06	4.15E-06	1.35E-02	2.13E-06	8.36E-07
2651	490610.04, 3858860.04	7.79E-03	1.23E-06	4.82E-07	8.40E-03	1.32E-06	4.08E-06	1.33E-02	2.09E-06	8.21E-07
2652	490660.04, 3858860.04	7.68E-03	1.21E-06	4.76E-07	8.29E-03	1.31E-06	4.02E-06	1.31E-02	2.06E-06	8.10E-07
2653	490710.04, 3858860.04	7.59E-03	1.20E-06	4.70E-07	8.19E-03	1.29E-06	3.97E-06	1.29E-02	2.04E-06	8.01E-07
2654	490760.04, 3858860.04	7.47E-03	1.18E-06	4.62E-07	8.06E-03	1.27E-06	3.91E-06	1.27E-02	2.01E-06	7.89E-07
2655	490810.04, 3858860.04	7.35E-03	1.16E-06	4.55E-07	7.93E-03	1.25E-06	3.85E-06	1.26E-02	1.98E-06	7.77E-07
2656	490860.04, 3858860.04	7.23E-03	1.14E-06	4.47E-07	7.80E-03	1.23E-06	3.79E-06	1.24E-02	1.95E-06	7.65E-07
2657	490360.04, 3858910.04	8.02E-03	1.26E-06	4.96E-07	8.64E-03	1.36E-06	4.19E-06	1.36E-02	2.14E-06	8.40E-07
2658	490410.04, 3858910.04	7.93E-03	1.25E-06	4.91E-07	8.55E-03	1.35E-06	4.15E-06	1.34E-02	2.12E-06	8.32E-07
2659	490460.04, 3858910.04	7.83E-03	1.23E-06	4.85E-07	8.45E-03	1.33E-06	4.10E-06	1.33E-02	2.09E-06	8.23E-07
2660	490510.04, 3858910.04	7.74E-03	1.22E-06	4.79E-07	8.34E-03	1.31E-06	4.05E-06	1.31E-02	2.07E-06	8.14E-07
2661	490560.04, 3858910.04	7.64E-03	1.20E-06	4.73E-07	8.24E-03	1.30E-06	4.00E-06	1.30E-02	2.05E-06	8.05E-07
2662	490610.04, 3858910.04	7.50E-03	1.18E-06	4.64E-07	8.09E-03	1.27E-06	3.92E-06	1.28E-02	2.01E-06	7.90E-07
2663	490660.04, 3858910.04	7.40E-03	1.17E-06	4.58E-07	7.98E-03	1.26E-06	3.87E-06	1.26E-02	1.99E-06	7.80E-07
2664	490710.04, 3858910.04	7.29E-03	1.15E-06	4.51E-07	7.86E-03	1.24E-06	3.82E-06	1.24E-02	1.96E-06	7.70E-07
2665	490760.04, 3858910.04	7.17E-03	1.13E-06	4.44E-07	7.74E-03	1.22E-06	3.75E-06	1.22E-02	1.93E-06	7.58E-07
2666	490810.04, 3858910.04	7.07E-03	1.11E-06	4.38E-07	7.63E-03	1.20E-06	3.70E-06	1.21E-02	1.90E-06	7.48E-07
2667	490860.04, 3858910.04	6.95E-03	1.09E-06	4.30E-07	7.50E-03	1.18E-06	3.64E-06	1.19E-02	1.87E-06	7.36E-07
2668	490360.04, 3858960.04	7.70E-03	1.21E-06	4.76E-07	8.29E-03	1.31E-06	4.02E-06	1.30E-02	2.05E-06	8.06E-07
2669	490410.04, 3858960.04	7.61E-03	1.20E-06	4.71E-07	8.20E-03	1.29E-06	3.98E-06	1.29E-02	2.03E-06	7.98E-07
2670	490460.04, 3858960.04	7.52E-03	1.18E-06	4.65E-07	8.11E-03	1.28E-06	3.93E-06	1.28E-02	2.01E-06	7.90E-07
2671	490510.04, 3858960.04	7.43E-03	1.17E-06	4.60E-07	8.01E-03	1.26E-06	3.89E-06	1.26E-02	1.99E-06	7.82E-07
2672	490560.04, 3858960.04	7.31E-03	1.15E-06	4.52E-07	7.88E-03	1.24E-06	3.82E-06	1.24E-02	1.96E-06	7.69E-07
2673	490610.04, 3858960.04	7.20E-03	1.13E-06	4.45E-07	7.76E-03	1.22E-06	3.77E-06	1.23E-02	1.93E-06	7.58E-07
2674	490660.04, 3858960.04	7.12E-03	1.12E-06	4.41E-07	7.68E-03	1.21E-06	3.73E-06	1.21E-02	1.91E-06	7.51E-07
2675	490710.04, 3858960.04	7.01E-03	1.10E-06	4.34E-07	7.56E-03	1.19E-06	3.67E-06	1.20E-02	1.88E-06	7.40E-07
2676	490760.04, 3858960.04	6.90E-03	1.09E-06	4.27E-07	7.44E-03	1.17E-06	3.61E-06	1.18E-02	1.86E-06	7.29E-07
2677	490810.04, 3858960.04	6.79E-03	1.07E-06	4.20E-07	7.33E-03	1.15E-06	3.55E-06	1.16E-02	1.83E-06	7.18E-07
2678	490860.04, 3858960.04	6.66E-03	1.05E-06	4.12E-07	7.19E-03	1.13E-06	3.49E-06	1.14E-02	1.80E-06	7.06E-07
2679	490360.04, 3859010.04	7.38E-03	1.16E-06	4.57E-07	7.96E-03	1.25E-06	3.86E-06	1.25E-02	1.97E-06	7.73E-07
2680	490410.04, 3859010.04	7.30E-03	1.15E-06	4.52E-07	7.87E-03	1.24E-06	3.82E-06	1.24E-02	1.95E-06	7.66E-07
2681	490460.04, 3859010.04	7.21E-03	1.14E-06	4.46E-07	7.78E-03	1.22E-06	3.77E-06	1.22E-02	1.93E-06	7.58E-07
2682	490510.04, 3859010.04	7.08E-03	1.12E-06	4.38E-07	7.64E-03	1.20E-06	3.70E-06	1.20E-02	1.90E-06	7.45E-07
2683	490560.04, 3859010.04	7.00E-03	1.10E-06	4.34E-07	7.55E-03	1.19E-06	3.67E-06	1.19E-02	1.88E-06	7.37E-07
2684	490610.04, 3859010.04	6.90E-03	1.09E-06	4.27E-07	7.44E-03	1.17E-06	3.61E-06	1.18E-02	1.85E-06	7.27E-07

2685	490660.04, 3859010.04	6.83E-03	1.08E-06	4.23E-07	7.37E-03	1.16E-06	3.58E-06	1.16E-02	1.83E-06	7.21E-07
2686	490710.04, 3859010.04	6.72E-03	1.06E-06	4.16E-07	7.25E-03	1.14E-06	3.52E-06	1.15E-02	1.81E-06	7.10E-07
2687	490760.04, 3859010.04	6.62E-03	1.04E-06	4.09E-07	7.14E-03	1.12E-06	3.46E-06	1.13E-02	1.78E-06	6.99E-07
2688	490810.04, 3859010.04	6.50E-03	1.02E-06	4.03E-07	7.02E-03	1.11E-06	3.41E-06	1.11E-02	1.75E-06	6.88E-07
2689	490860.04, 3859010.04	6.40E-03	1.01E-06	3.96E-07	6.90E-03	1.09E-06	3.35E-06	1.10E-02	1.73E-06	6.78E-07
2690	490360.04, 3859060.04	7.07E-03	1.11E-06	4.38E-07	7.62E-03	1.20E-06	3.70E-06	1.20E-02	1.89E-06	7.41E-07
2691	490410.04, 3859060.04	6.99E-03	1.10E-06	4.33E-07	7.54E-03	1.19E-06	3.66E-06	1.19E-02	1.87E-06	7.34E-07
2692	490460.04, 3859060.04	6.91E-03	1.09E-06	4.28E-07	7.45E-03	1.17E-06	3.62E-06	1.17E-02	1.85E-06	7.27E-07
2693	490510.04, 3859060.04	6.79E-03	1.07E-06	4.20E-07	7.32E-03	1.15E-06	3.55E-06	1.15E-02	1.82E-06	7.14E-07
2694	490560.04, 3859060.04	6.69E-03	1.05E-06	4.14E-07	7.22E-03	1.14E-06	3.50E-06	1.14E-02	1.79E-06	7.05E-07
2695	490610.04, 3859060.04	6.62E-03	1.04E-06	4.10E-07	7.14E-03	1.12E-06	3.46E-06	1.13E-02	1.78E-06	6.98E-07
2696	490660.04, 3859060.04	6.54E-03	1.03E-06	4.05E-07	7.06E-03	1.11E-06	3.42E-06	1.12E-02	1.76E-06	6.90E-07
2697	490710.04, 3859060.04	6.43E-03	1.01E-06	3.98E-07	6.94E-03	1.09E-06	3.37E-06	1.10E-02	1.73E-06	6.80E-07
2698	490760.04, 3859060.04	6.33E-03	9.97E-07	3.92E-07	6.83E-03	1.08E-06	3.31E-06	1.08E-02	1.70E-06	6.70E-07
2699	490810.04, 3859060.04	6.22E-03	9.80E-07	3.85E-07	6.71E-03	1.06E-06	3.26E-06	1.06E-02	1.68E-06	6.59E-07
2700	490860.04, 3859060.04	6.11E-03	9.63E-07	3.78E-07	6.60E-03	1.04E-06	3.20E-06	1.05E-02	1.65E-06	6.48E-07
2701	490360.04, 3859110.04	6.78E-03	1.07E-06	4.20E-07	7.31E-03	1.15E-06	3.55E-06	1.15E-02	1.81E-06	7.11E-07
2702	490410.04, 3859110.04	6.71E-03	1.06E-06	4.15E-07	7.23E-03	1.14E-06	3.51E-06	1.14E-02	1.79E-06	7.05E-07
2703	490460.04, 3859110.04	6.64E-03	1.05E-06	4.11E-07	7.16E-03	1.13E-06	3.48E-06	1.13E-02	1.78E-06	6.99E-07
2704	490510.04, 3859110.04	6.50E-03	1.02E-06	4.02E-07	7.01E-03	1.10E-06	3.40E-06	1.11E-02	1.74E-06	6.84E-07
2705	490560.04, 3859110.04	6.42E-03	1.01E-06	3.97E-07	6.92E-03	1.09E-06	3.36E-06	1.09E-02	1.72E-06	6.76E-07
2706	490610.04, 3859110.04	6.32E-03	9.96E-07	3.91E-07	6.82E-03	1.07E-06	3.31E-06	1.08E-02	1.70E-06	6.67E-07
2707	490660.04, 3859110.04	6.22E-03	9.79E-07	3.85E-07	6.71E-03	1.06E-06	3.25E-06	1.06E-02	1.67E-06	6.57E-07
2708	490710.04, 3859110.04	6.14E-03	9.67E-07	3.80E-07	6.62E-03	1.04E-06	3.21E-06	1.05E-02	1.65E-06	6.49E-07
2709	490760.04, 3859110.04	6.04E-03	9.52E-07	3.74E-07	6.52E-03	1.03E-06	3.16E-06	1.03E-02	1.63E-06	6.40E-07
2710	490810.04, 3859110.04	5.93E-03	9.34E-07	3.67E-07	6.40E-03	1.01E-06	3.10E-06	1.02E-02	1.60E-06	6.28E-07
2711	490860.04, 3859110.04	5.81E-03	9.15E-07	3.60E-07	6.27E-03	9.88E-07	3.04E-06	9.96E-03	1.57E-06	6.16E-07
2712	490360.04, 3859160.04	6.51E-03	1.02E-06	4.03E-07	7.01E-03	1.10E-06	3.40E-06	1.10E-02	1.74E-06	6.82E-07
2713	490410.04, 3859160.04	6.44E-03	1.01E-06	3.99E-07	6.95E-03	1.09E-06	3.37E-06	1.09E-02	1.72E-06	6.77E-07
2714	490460.04, 3859160.04	6.38E-03	1.00E-06	3.95E-07	6.88E-03	1.08E-06	3.34E-06	1.08E-02	1.71E-06	6.71E-07
2715	490510.04, 3859160.04	6.26E-03	9.87E-07	3.88E-07	6.76E-03	1.06E-06	3.28E-06	1.07E-02	1.68E-06	6.59E-07
2716	490560.04, 3859160.04	6.16E-03	9.71E-07	3.82E-07	6.65E-03	1.05E-06	3.23E-06	1.05E-02	1.65E-06	6.50E-07
2717	490610.04, 3859160.04	6.09E-03	9.59E-07	3.77E-07	6.57E-03	1.03E-06	3.19E-06	1.04E-02	1.63E-06	6.42E-07
2718	490660.04, 3859160.04	5.94E-03	9.35E-07	3.67E-07	6.41E-03	1.01E-06	3.11E-06	1.01E-02	1.60E-06	6.28E-07
2719	490710.04, 3859160.04	5.86E-03	9.23E-07	3.63E-07	6.32E-03	9.96E-07	3.07E-06	1.00E-02	1.58E-06	6.20E-07
2720	490760.04, 3859160.04	5.73E-03	9.02E-07	3.54E-07	6.18E-03	9.74E-07	3.00E-06	9.81E-03	1.54E-06	6.07E-07
2721	490810.04, 3859160.04	5.64E-03	8.89E-07	3.49E-07	6.09E-03	9.59E-07	2.95E-06	9.67E-03	1.52E-06	5.98E-07
2722	490860.04, 3859160.04	5.55E-03	8.74E-07	3.43E-07	5.99E-03	9.43E-07	2.90E-06	9.51E-03	1.50E-06	5.88E-07
2723	490360.04, 3859210.04	6.24E-03	9.83E-07	3.86E-07	6.73E-03	1.06E-06	3.26E-06	1.06E-02	1.67E-06	6.55E-07
2724	490410.04, 3859210.04	6.20E-03	9.76E-07	3.83E-07	6.68E-03	1.05E-06	3.24E-06	1.05E-02	1.66E-06	6.51E-07
2725	490460.04, 3859210.04	6.12E-03	9.65E-07	3.79E-07	6.61E-03	1.04E-06	3.20E-06	1.04E-02	1.64E-06	6.45E-07
2726	490510.04, 3859210.04	6.02E-03	9.48E-07	3.72E-07	6.49E-03	1.02E-06	3.15E-06	1.02E-02	1.61E-06	6.34E-07
2727	490560.04, 3859210.04	5.95E-03	9.38E-07	3.68E-07	6.42E-03	1.01E-06	3.12E-06	1.01E-02	1.60E-06	6.27E-07
2728	490610.04, 3859210.04	5.87E-03	9.24E-07	3.63E-07	6.33E-03	9.97E-07	3.07E-06	1.00E-02	1.58E-06	6.19E-07
2729	490660.04, 3859210.04	5.74E-03	9.04E-07	3.55E-07	6.19E-03	9.76E-07	3.01E-06	9.81E-03	1.55E-06	6.07E-07
2730	490710.04, 3859210.04	5.65E-03	8.91E-07	3.50E-07	6.10E-03	9.61E-07	2.96E-06	9.67E-03	1.52E-06	5.99E-07
2731	490760.04, 3859210.04	5.52E-03	8.70E-07	3.42E-07	5.96E-03	9.39E-07	2.89E-06	9.45E-03	1.49E-06	5.85E-07
2732	490810.04, 3859210.04	5.48E-03	8.64E-07	3.39E-07	5.92E-03	9.32E-07	2.87E-06	9.39E-03	1.48E-06	5.81E-07
2733	490860.04, 3859210.04	5.44E-03	8.57E-07	3.37E-07	5.87E-03	9.25E-07	2.85E-06	9.32E-03	1.47E-06	5.77E-07
2734	490360.04, 3859260.04	5.98E-03	9.42E-07	3.70E-07	6.45E-03	1.02E-06	3.13E-06	1.01E-02	1.60E-06	6.28E-07
2735	490410.04, 3859260.04	5.94E-03	9.36E-07	3.68E-07	6.40E-03	1.01E-06	3.11E-06	1.01E-02	1.59E-06	6.24E-07
2736	490460.04, 3859260.04	5.90E-03	9.30E-07	3.65E-07	6.36E-03	1.00E-06	3.09E-06	1.00E-02	1.58E-06	6.21E-07
2737	490510.04, 3859260.04	5.86E-03	9.23E-07	3.63E-07	6.32E-03	9.96E-07	3.07E-06	9.97E-03	1.57E-06	6.17E-07
2738	490560.04, 3859260.04	5.77E-03	9.09E-07	3.57E-07	6.22E-03	9.80E-07	3.02E-06	9.82E-03	1.55E-06	6.08E-07
2739	490610.04, 3859260.04	5.67E-03	8.94E-07	3.51E-07	6.12E-03	9.64E-07	2.97E-06	9.67E-03	1.52E-06	5.99E-07
2740	490660.04, 3859260.04	5.63E-03	8.88E-07	3.49E-07	6.08E-03	9.58E-07	2.95E-06	9.61E-03	1.51E-06	5.95E-07
2741	490710.04, 3859260.04	5.57E-03	8.78E-07	3.45E-07	6.01E-03	9.47E-07	2.92E-06	9.51E-03	1.50E-06	5.89E-07
2742	490760.04, 3859260.04	5.45E-03	8.59E-07	3.38E-07	5.89E-03	9.27E-07	2.86E-06	9.33E-03	1.47E-06	5.77E-07
2743	490810.04, 3859260.04	5.41E-03	8.52E-07	3.35E-07	5.83E-03	9.19E-07	2.83E-06	9.25E-03	1.46E-06	5.72E-07
2744	490860.04, 3859260.04	5.36E-03	8.44E-07	3.32E-07	5.78E-03	9.11E-07	2.81E-06	9.17E-03	1.44E-06	5.67E-07
2745	490360.04, 3859310.04	5.74E-03	9.04E-07	3.55E-07	6.18E-03	9.74E-07	3.00E-06	9.73E-03	1.53E-06	6.02E-07
2746	490410.04, 3859310.04	5.71E-03	8.99E-07	3.53E-07	6.15E-03	9.70E-07	2.99E-06	9.69E-03	1.53E-06	6.00E-07
2747	490460.04, 3859310.04	5.68E-03	8.94E-07	3.51E-07	6.12E-03	9.64E-07	2.97E-06	9.65E-03	1.52E-06	5.97E-07
2748	490510.04, 3859310.04	5.64E-03	8.89E-07	3.49E-07	6.09E-03	9.59E-07	2.95E-06	9.60E-03	1.51E-06	5.94E-07

2749	490560.04, 3859310.04	5.61E-03	8.84E-07	3.47E-07	6.05E-03	9.53E-07	2.94E-06	9.55E-03	1.50E-06	5.91E-07
2750	490610.04, 3859310.04	5.58E-03	8.78E-07	3.45E-07	6.02E-03	9.48E-07	2.92E-06	9.50E-03	1.50E-06	5.88E-07
2751	490660.04, 3859310.04	5.50E-03	8.67E-07	3.40E-07	5.93E-03	9.35E-07	2.88E-06	9.37E-03	1.48E-06	5.80E-07
2752	490710.04, 3859310.04	5.41E-03	8.53E-07	3.35E-07	5.84E-03	9.20E-07	2.83E-06	9.24E-03	1.45E-06	5.72E-07
2753	490760.04, 3859310.04	5.35E-03	8.43E-07	3.31E-07	5.77E-03	9.09E-07	2.80E-06	9.14E-03	1.44E-06	5.65E-07
2754	490810.04, 3859310.04	5.30E-03	8.36E-07	3.28E-07	5.72E-03	9.02E-07	2.78E-06	9.07E-03	1.43E-06	5.61E-07
2755	490860.04, 3859310.04	5.24E-03	8.26E-07	3.24E-07	5.66E-03	8.91E-07	2.74E-06	8.96E-03	1.41E-06	5.55E-07
2756	490360.04, 3859360.04	5.50E-03	8.66E-07	3.40E-07	5.93E-03	9.34E-07	2.88E-06	9.32E-03	1.47E-06	5.77E-07
2757	490410.04, 3859360.04	5.48E-03	8.64E-07	3.39E-07	5.91E-03	9.31E-07	2.87E-06	9.30E-03	1.47E-06	5.76E-07
2758	490460.04, 3859360.04	5.46E-03	8.61E-07	3.38E-07	5.89E-03	9.28E-07	2.86E-06	9.28E-03	1.46E-06	5.74E-07
2759	490510.04, 3859360.04	5.44E-03	8.57E-07	3.37E-07	5.87E-03	9.24E-07	2.85E-06	9.25E-03	1.46E-06	5.72E-07
2760	490560.04, 3859360.04	5.41E-03	8.53E-07	3.35E-07	5.84E-03	9.20E-07	2.83E-06	9.21E-03	1.45E-06	5.70E-07
2761	490610.04, 3859360.04	5.38E-03	8.47E-07	3.33E-07	5.80E-03	9.14E-07	2.82E-06	9.16E-03	1.44E-06	5.67E-07
2762	490660.04, 3859360.04	5.35E-03	8.42E-07	3.31E-07	5.77E-03	9.09E-07	2.80E-06	9.12E-03	1.44E-06	5.64E-07
2763	490710.04, 3859360.04	5.27E-03	8.30E-07	3.26E-07	5.69E-03	8.96E-07	2.76E-06	8.99E-03	1.42E-06	5.56E-07
2764	490760.04, 3859360.04	5.21E-03	8.21E-07	3.22E-07	5.62E-03	8.85E-07	2.73E-06	8.89E-03	1.40E-06	5.50E-07
2765	490810.04, 3859360.04	5.18E-03	8.16E-07	3.21E-07	5.59E-03	8.81E-07	2.71E-06	8.85E-03	1.39E-06	5.48E-07
2766	490860.04, 3859360.04	5.13E-03	8.09E-07	3.18E-07	5.54E-03	8.73E-07	2.69E-06	8.77E-03	1.38E-06	5.43E-07
2767	490360.04, 3859410.04	5.26E-03	8.29E-07	3.26E-07	5.67E-03	8.94E-07	2.75E-06	8.92E-03	1.40E-06	5.52E-07
2768	490410.04, 3859410.04	5.25E-03	8.28E-07	3.25E-07	5.66E-03	8.92E-07	2.75E-06	8.91E-03	1.40E-06	5.52E-07
2769	490460.04, 3859410.04	5.24E-03	8.26E-07	3.25E-07	5.65E-03	8.91E-07	2.74E-06	8.90E-03	1.40E-06	5.51E-07
2770	490510.04, 3859410.04	5.23E-03	8.24E-07	3.24E-07	5.64E-03	8.89E-07	2.74E-06	8.89E-03	1.40E-06	5.50E-07
2771	490560.04, 3859410.04	5.22E-03	8.22E-07	3.23E-07	5.62E-03	8.86E-07	2.73E-06	8.87E-03	1.40E-06	5.49E-07
2772	490610.04, 3859410.04	5.20E-03	8.19E-07	3.22E-07	5.60E-03	8.83E-07	2.72E-06	8.84E-03	1.39E-06	5.47E-07
2773	490660.04, 3859410.04	5.17E-03	8.14E-07	3.20E-07	5.57E-03	8.78E-07	2.70E-06	8.80E-03	1.39E-06	5.45E-07
2774	490710.04, 3859410.04	5.14E-03	8.09E-07	3.18E-07	5.54E-03	8.73E-07	2.69E-06	8.76E-03	1.38E-06	5.42E-07
2775	490760.04, 3859410.04	5.07E-03	7.98E-07	3.14E-07	5.47E-03	8.61E-07	2.65E-06	8.64E-03	1.36E-06	5.35E-07
2776	490810.04, 3859410.04	5.04E-03	7.94E-07	3.12E-07	5.44E-03	8.56E-07	2.64E-06	8.60E-03	1.35E-06	5.32E-07
2777	490860.04, 3859410.04	5.02E-03	7.91E-07	3.11E-07	5.42E-03	8.53E-07	2.63E-06	8.57E-03	1.35E-06	5.30E-07
2778	490360.04, 3859460.04	5.03E-03	7.93E-07	3.11E-07	5.42E-03	8.55E-07	2.63E-06	8.52E-03	1.34E-06	5.28E-07
2779	490410.04, 3859460.04	5.03E-03	7.93E-07	3.12E-07	5.43E-03	8.55E-07	2.63E-06	8.53E-03	1.34E-06	5.28E-07
2780	490460.04, 3859460.04	5.03E-03	7.92E-07	3.11E-07	5.42E-03	8.54E-07	2.63E-06	8.53E-03	1.34E-06	5.28E-07
2781	490510.04, 3859460.04	5.02E-03	7.91E-07	3.11E-07	5.42E-03	8.53E-07	2.63E-06	8.53E-03	1.34E-06	5.28E-07
2782	490560.04, 3859460.04	5.01E-03	7.90E-07	3.10E-07	5.41E-03	8.52E-07	2.62E-06	8.52E-03	1.34E-06	5.27E-07
2783	490610.04, 3859460.04	5.00E-03	7.88E-07	3.10E-07	5.40E-03	8.50E-07	2.62E-06	8.51E-03	1.34E-06	5.27E-07
2784	490660.04, 3859460.04	4.99E-03	7.86E-07	3.09E-07	5.38E-03	8.47E-07	2.61E-06	8.49E-03	1.34E-06	5.26E-07
2785	490710.04, 3859460.04	4.97E-03	7.83E-07	3.07E-07	5.36E-03	8.44E-07	2.60E-06	8.47E-03	1.33E-06	5.24E-07
2786	490760.04, 3859460.04	4.94E-03	7.79E-07	3.06E-07	5.33E-03	8.40E-07	2.59E-06	8.43E-03	1.33E-06	5.22E-07
2787	490810.04, 3859460.04	4.92E-03	7.75E-07	3.04E-07	5.31E-03	8.36E-07	2.57E-06	8.40E-03	1.32E-06	5.20E-07
2788	490860.04, 3859460.04	4.90E-03	7.72E-07	3.03E-07	5.29E-03	8.33E-07	2.57E-06	8.37E-03	1.32E-06	5.18E-07
2789	490360.04, 3859510.04	4.81E-03	7.58E-07	2.98E-07	5.18E-03	8.17E-07	2.52E-06	8.14E-03	1.28E-06	5.04E-07
2790	490410.04, 3859510.04	4.81E-03	7.58E-07	2.98E-07	5.19E-03	8.18E-07	2.52E-06	8.16E-03	1.29E-06	5.05E-07
2791	490460.04, 3859510.04	4.82E-03	7.59E-07	2.98E-07	5.19E-03	8.18E-07	2.52E-06	8.17E-03	1.29E-06	5.06E-07
2792	490510.04, 3859510.04	4.82E-03	7.59E-07	2.98E-07	5.20E-03	8.18E-07	2.52E-06	8.18E-03	1.29E-06	5.06E-07
2793	490560.04, 3859510.04	4.82E-03	7.59E-07	2.98E-07	5.19E-03	8.18E-07	2.52E-06	8.18E-03	1.29E-06	5.06E-07
2794	490610.04, 3859510.04	4.81E-03	7.58E-07	2.98E-07	5.19E-03	8.17E-07	2.52E-06	8.18E-03	1.29E-06	5.06E-07
2795	490660.04, 3859510.04	4.80E-03	7.57E-07	2.97E-07	5.18E-03	8.16E-07	2.51E-06	8.17E-03	1.29E-06	5.06E-07
2796	490710.04, 3859510.04	4.79E-03	7.55E-07	2.97E-07	5.17E-03	8.14E-07	2.51E-06	8.16E-03	1.29E-06	5.05E-07
2797	490760.04, 3859510.04	4.78E-03	7.53E-07	2.96E-07	5.15E-03	8.12E-07	2.50E-06	8.14E-03	1.28E-06	5.04E-07
2798	490810.04, 3859510.04	4.76E-03	7.50E-07	2.95E-07	5.14E-03	8.09E-07	2.49E-06	8.12E-03	1.28E-06	5.03E-07
2799	490860.04, 3859510.04	4.74E-03	7.47E-07	2.94E-07	5.12E-03	8.06E-07	2.48E-06	8.09E-03	1.28E-06	5.01E-07
2800	490360.04, 3859560.04	4.59E-03	7.23E-07	2.84E-07	4.95E-03	7.79E-07	2.40E-06	7.77E-03	1.22E-06	4.81E-07
2801	490410.04, 3859560.04	4.60E-03	7.25E-07	2.85E-07	4.96E-03	7.81E-07	2.41E-06	7.79E-03	1.23E-06	4.82E-07
2802	490460.04, 3859560.04	4.61E-03	7.26E-07	2.85E-07	4.97E-03	7.83E-07	2.41E-06	7.82E-03	1.23E-06	4.84E-07
2803	490510.04, 3859560.04	4.62E-03	7.28E-07	2.86E-07	4.98E-03	7.84E-07	2.42E-06	7.84E-03	1.23E-06	4.85E-07
2804	490560.04, 3859560.04	4.62E-03	7.28E-07	2.86E-07	4.98E-03	7.85E-07	2.42E-06	7.85E-03	1.24E-06	4.86E-07
2805	490610.04, 3859560.04	4.62E-03	7.28E-07	2.86E-07	4.98E-03	7.85E-07	2.42E-06	7.85E-03	1.24E-06	4.86E-07
2806	490660.04, 3859560.04	4.62E-03	7.28E-07	2.86E-07	4.98E-03	7.85E-07	2.42E-06	7.86E-03	1.24E-06	4.86E-07
2807	490710.04, 3859560.04	4.62E-03	7.27E-07	2.86E-07	4.98E-03	7.84E-07	2.42E-06	7.86E-03	1.24E-06	4.86E-07
2808	490760.04, 3859560.04	4.61E-03	7.26E-07	2.85E-07	4.97E-03	7.83E-07	2.41E-06	7.85E-03	1.24E-06	4.86E-07
2809	490810.04, 3859560.04	4.60E-03	7.24E-07	2.85E-07	4.96E-03	7.81E-07	2.41E-06	7.84E-03	1.24E-06	4.85E-07
2810	490860.04, 3859560.04	4.58E-03	7.22E-07	2.84E-07	4.94E-03	7.79E-07	2.40E-06	7.82E-03	1.23E-06	4.84E-07
2811	490187.25, 3859422.08	5.20E-03	8.20E-07	3.22E-07	5.61E-03	8.83E-07	2.72E-06	8.79E-03	1.38E-06	5.44E-07
2812	490237.25, 3859422.08	5.21E-03	8.21E-07	3.22E-07	5.61E-03	8.84E-07	2.72E-06	8.80E-03	1.39E-06	5.45E-07

2813	490287.25, 3859422.08	5.21E-03	8.21E-07	3.22E-07	5.61E-03	8.84E-07	2.72E-06	8.81E-03	1.39E-06	5.45E-07
2814	490337.25, 3859422.08	5.21E-03	8.21E-07	3.22E-07	5.61E-03	8.84E-07	2.72E-06	8.82E-03	1.39E-06	5.46E-07
2815	490187.25, 3859472.08	4.96E-03	7.81E-07	3.07E-07	5.34E-03	8.41E-07	2.59E-06	8.37E-03	1.32E-06	5.18E-07
2816	490237.25, 3859472.08	4.96E-03	7.82E-07	3.07E-07	5.35E-03	8.43E-07	2.60E-06	8.39E-03	1.32E-06	5.19E-07
2817	490287.25, 3859472.08	4.98E-03	7.84E-07	3.08E-07	5.36E-03	8.45E-07	2.60E-06	8.42E-03	1.33E-06	5.21E-07
2818	490337.25, 3859472.08	4.98E-03	7.84E-07	3.08E-07	5.37E-03	8.45E-07	2.60E-06	8.43E-03	1.33E-06	5.22E-07
2819	490297.07, 3859500.42	4.85E-03	7.63E-07	3.00E-07	5.22E-03	8.23E-07	2.53E-06	8.20E-03	1.29E-06	5.07E-07
2820	490327.07, 3859500.42	4.85E-03	7.64E-07	3.00E-07	5.22E-03	8.23E-07	2.53E-06	8.20E-03	1.29E-06	5.08E-07
2821	490297.07, 3859530.42	4.70E-03	7.41E-07	2.91E-07	5.07E-03	7.99E-07	2.46E-06	7.96E-03	1.25E-06	4.92E-07
2822	490327.07, 3859530.42	4.71E-03	7.42E-07	2.92E-07	5.08E-03	8.00E-07	2.46E-06	7.97E-03	1.26E-06	4.93E-07
2823	490319.73, 3859055.34	7.16E-03	1.13E-06	4.43E-07	7.72E-03	1.22E-06	3.74E-06	1.21E-02	1.91E-06	7.49E-07
2824	490319.73, 3859105.34	6.86E-03	1.08E-06	4.25E-07	7.39E-03	1.16E-06	3.59E-06	1.16E-02	1.83E-06	7.18E-07
2825	490069.73, 3859155.34	6.77E-03	1.07E-06	4.19E-07	7.29E-03	1.15E-06	3.54E-06	1.14E-02	1.79E-06	7.04E-07
2826	490119.73, 3859155.34	6.73E-03	1.06E-06	4.17E-07	7.25E-03	1.14E-06	3.52E-06	1.13E-02	1.79E-06	7.01E-07
2827	490269.73, 3859155.34	6.62E-03	1.04E-06	4.10E-07	7.13E-03	1.12E-06	3.46E-06	1.12E-02	1.76E-06	6.92E-07
2828	490319.73, 3859155.34	6.57E-03	1.04E-06	4.07E-07	7.09E-03	1.12E-06	3.44E-06	1.11E-02	1.75E-06	6.88E-07
2829	490069.73, 3859205.34	6.44E-03	1.01E-06	3.99E-07	6.94E-03	1.09E-06	3.37E-06	1.08E-02	1.71E-06	6.71E-07
2830	490119.73, 3859205.34	6.41E-03	1.01E-06	3.97E-07	6.91E-03	1.09E-06	3.35E-06	1.08E-02	1.70E-06	6.68E-07
2831	490169.73, 3859205.34	6.39E-03	1.01E-06	3.95E-07	6.88E-03	1.08E-06	3.34E-06	1.08E-02	1.70E-06	6.66E-07
2832	490219.73, 3859205.34	6.36E-03	1.00E-06	3.94E-07	6.85E-03	1.08E-06	3.33E-06	1.07E-02	1.69E-06	6.64E-07
2833	490269.73, 3859205.34	6.33E-03	9.98E-07	3.92E-07	6.82E-03	1.07E-06	3.31E-06	1.07E-02	1.69E-06	6.63E-07
2834	490319.73, 3859205.34	6.30E-03	9.92E-07	3.90E-07	6.79E-03	1.07E-06	3.29E-06	1.07E-02	1.68E-06	6.60E-07
2835	490069.73, 3859255.34	6.14E-03	9.67E-07	3.80E-07	6.61E-03	1.04E-06	3.21E-06	1.03E-02	1.63E-06	6.39E-07
2836	490119.73, 3859255.34	6.11E-03	9.63E-07	3.78E-07	6.59E-03	1.04E-06	3.20E-06	1.03E-02	1.62E-06	6.37E-07
2837	490169.73, 3859255.34	6.09E-03	9.60E-07	3.77E-07	6.57E-03	1.03E-06	3.19E-06	1.03E-02	1.62E-06	6.36E-07
2838	490219.73, 3859255.34	6.08E-03	9.58E-07	3.76E-07	6.55E-03	1.03E-06	3.18E-06	1.03E-02	1.62E-06	6.35E-07
2839	490269.73, 3859255.34	6.06E-03	9.54E-07	3.75E-07	6.53E-03	1.03E-06	3.17E-06	1.02E-02	1.61E-06	6.34E-07
2840	490319.73, 3859255.34	6.03E-03	9.50E-07	3.73E-07	6.50E-03	1.02E-06	3.15E-06	1.02E-02	1.61E-06	6.32E-07
2841	490069.73, 3859305.34	5.84E-03	9.20E-07	3.62E-07	6.29E-03	9.91E-07	3.05E-06	9.84E-03	1.55E-06	6.09E-07
2842	490119.73, 3859305.34	5.83E-03	9.18E-07	3.61E-07	6.28E-03	9.89E-07	3.05E-06	9.82E-03	1.55E-06	6.08E-07
2843	490169.73, 3859305.34	5.82E-03	9.16E-07	3.60E-07	6.27E-03	9.87E-07	3.04E-06	9.81E-03	1.55E-06	6.07E-07
2844	490219.73, 3859305.34	5.81E-03	9.15E-07	3.59E-07	6.26E-03	9.86E-07	3.04E-06	9.81E-03	1.55E-06	6.07E-07
2845	490269.73, 3859305.34	5.79E-03	9.13E-07	3.59E-07	6.24E-03	9.83E-07	3.03E-06	9.80E-03	1.54E-06	6.06E-07
2846	490319.73, 3859305.34	5.78E-03	9.10E-07	3.58E-07	6.23E-03	9.81E-07	3.02E-06	9.78E-03	1.54E-06	6.06E-07
2847	490069.73, 3859355.34	5.56E-03	8.75E-07	3.44E-07	5.99E-03	9.43E-07	2.90E-06	9.36E-03	1.47E-06	5.79E-07
2848	490119.73, 3859355.34	5.55E-03	8.74E-07	3.43E-07	5.98E-03	9.42E-07	2.90E-06	9.36E-03	1.47E-06	5.79E-07
2849	490169.73, 3859355.34	5.55E-03	8.74E-07	3.43E-07	5.97E-03	9.41E-07	2.90E-06	9.36E-03	1.47E-06	5.79E-07
2850	490219.73, 3859355.34	5.54E-03	8.73E-07	3.43E-07	5.97E-03	9.41E-07	2.90E-06	9.37E-03	1.48E-06	5.80E-07
2851	490269.73, 3859355.34	5.54E-03	8.72E-07	3.43E-07	5.97E-03	9.40E-07	2.90E-06	9.36E-03	1.48E-06	5.80E-07
2852	490319.73, 3859355.34	5.53E-03	8.71E-07	3.42E-07	5.96E-03	9.39E-07	2.89E-06	9.36E-03	1.48E-06	5.79E-07
2853	490069.73, 3859405.34	5.28E-03	8.32E-07	3.27E-07	5.69E-03	8.96E-07	2.76E-06	8.90E-03	1.40E-06	5.51E-07
2854	490119.73, 3859405.34	5.28E-03	8.32E-07	3.27E-07	5.69E-03	8.96E-07	2.76E-06	8.91E-03	1.40E-06	5.51E-07
2855	490169.73, 3859405.34	5.29E-03	8.33E-07	3.27E-07	5.70E-03	8.97E-07	2.76E-06	8.92E-03	1.41E-06	5.52E-07
2856	490219.73, 3859405.34	5.29E-03	8.33E-07	3.27E-07	5.70E-03	8.98E-07	2.77E-06	8.94E-03	1.41E-06	5.53E-07
2857	490269.73, 3859405.34	5.29E-03	8.34E-07	3.27E-07	5.70E-03	8.98E-07	2.77E-06	8.95E-03	1.41E-06	5.54E-07
2858	490319.73, 3859405.34	5.29E-03	8.33E-07	3.27E-07	5.70E-03	8.98E-07	2.77E-06	8.96E-03	1.41E-06	5.54E-07
2859	490161.89, 3859541.83	4.61E-03	7.27E-07	2.86E-07	4.97E-03	7.83E-07	2.41E-06	7.79E-03	1.23E-06	4.82E-07
2860	490171.89, 3859541.83	4.62E-03	7.27E-07	2.86E-07	4.98E-03	7.84E-07	2.41E-06	7.80E-03	1.23E-06	4.83E-07
2861	490161.89, 3859551.83	4.57E-03	7.20E-07	2.83E-07	4.92E-03	7.75E-07	2.39E-06	7.72E-03	1.22E-06	4.78E-07
2862	490171.89, 3859551.83	4.57E-03	7.20E-07	2.83E-07	4.93E-03	7.76E-07	2.39E-06	7.72E-03	1.22E-06	4.78E-07
2863	489799.72, 3859348.21	5.58E-03	8.78E-07	3.45E-07	6.00E-03	9.46E-07	2.91E-06	9.36E-03	1.47E-06	5.79E-07
2864	489819.72, 3859348.21	5.58E-03	8.79E-07	3.45E-07	6.01E-03	9.47E-07	2.92E-06	9.36E-03	1.48E-06	5.80E-07
2865	489799.72, 3859368.21	5.45E-03	8.58E-07	3.37E-07	5.87E-03	9.24E-07	2.85E-06	9.15E-03	1.44E-06	5.66E-07
2866	489819.72, 3859368.21	5.46E-03	8.59E-07	3.38E-07	5.87E-03	9.25E-07	2.85E-06	9.16E-03	1.44E-06	5.67E-07
2867	489775.41, 3859329.72	5.69E-03	8.96E-07	3.52E-07	6.12E-03	9.65E-07	2.97E-06	9.53E-03	1.50E-06	5.90E-07
2868	489795.41, 3859329.72	5.69E-03	8.97E-07	3.52E-07	6.13E-03	9.65E-07	2.97E-06	9.54E-03	1.50E-06	5.91E-07
2869	489775.41, 3859349.72	5.56E-03	8.76E-07	3.44E-07	5.98E-03	9.43E-07	2.90E-06	9.32E-03	1.47E-06	5.77E-07
2870	489795.41, 3859349.72	5.57E-03	8.77E-07	3.44E-07	5.99E-03	9.44E-07	2.91E-06	9.34E-03	1.47E-06	5.78E-07
2871	489595.05, 3859219.43	6.47E-03	1.02E-06	4.00E-07	6.96E-03	1.10E-06	3.38E-06	1.08E-02	1.70E-06	6.66E-07
2872	489615.05, 3859219.43	6.47E-03	1.02E-06	4.01E-07	6.96E-03	1.10E-06	3.38E-06	1.08E-02	1.70E-06	6.67E-07
2873	489595.05, 3859239.43	6.30E-03	9.93E-07	3.90E-07	6.78E-03	1.07E-06	3.29E-06	1.05E-02	1.65E-06	6.50E-07
2874	489615.05, 3859239.43	6.31E-03	9.94E-07	3.91E-07	6.79E-03	1.07E-06	3.29E-06	1.05E-02	1.66E-06	6.51E-07
2875	489372.4, 3859092.58	7.75E-03	1.22E-06	4.80E-07	8.32E-03	1.31E-06	4.04E-06	1.27E-02	2.00E-06	7.85E-07
2876	489422.4, 3859092.58	7.73E-03	1.22E-06	4.79E-07	8.30E-03	1.31E-06	4.03E-06	1.27E-02	2.00E-06	7.85E-07

2877 489372.4, 3859142.58	7.17E-03	1.13E-06	4.44E-07	7.70E-03	1.21E-06	3.74E-06	1.18E-02	1.86E-06	7.30E-07
2878 489422.4, 3859142.58	7.18E-03	1.13E-06	4.44E-07	7.71E-03	1.21E-06	3.74E-06	1.18E-02	1.86E-06	7.32E-07
2879 488870.84, 3858666.64	1.76E-02	2.78E-06	1.09E-06	1.88E-02	2.96E-06	9.12E-06	2.73E-02	4.30E-06	1.69E-06
2880 488900.84, 3858666.64	1.73E-02	2.72E-06	1.07E-06	1.84E-02	2.90E-06	8.94E-06	2.69E-02	4.24E-06	1.66E-06
2881 488870.84, 3858696.64	1.75E-02	2.76E-06	1.08E-06	1.86E-02	2.93E-06	9.04E-06	2.66E-02	4.19E-06	1.65E-06
2882 488900.84, 3858696.64	1.71E-02	2.69E-06	1.06E-06	1.82E-02	2.87E-06	8.84E-06	2.62E-02	4.12E-06	1.62E-06
2883 488889.67, 3858683.97	1.73E-02	2.72E-06	1.07E-06	1.84E-02	2.90E-06	8.94E-06	2.66E-02	4.19E-06	1.65E-06
2884 488919.67, 3858683.97	1.69E-02	2.67E-06	1.05E-06	1.81E-02	2.84E-06	8.76E-06	2.62E-02	4.13E-06	1.62E-06
2885 488889.67, 3858713.97	1.72E-02	2.71E-06	1.07E-06	1.83E-02	2.88E-06	8.88E-06	2.60E-02	4.09E-06	1.61E-06
2886 488919.67, 3858713.97	1.68E-02	2.65E-06	1.04E-06	1.79E-02	2.82E-06	8.68E-06	2.56E-02	4.03E-06	1.58E-06
2887 488906.61, 3858703.33	1.70E-02	2.68E-06	1.05E-06	1.81E-02	2.85E-06	8.78E-06	2.59E-02	4.09E-06	1.61E-06
2888 488936.61, 3858703.33	1.66E-02	2.62E-06	1.03E-06	1.77E-02	2.79E-06	8.60E-06	2.55E-02	4.02E-06	1.58E-06
2889 488906.61, 3858733.33	1.70E-02	2.68E-06	1.05E-06	1.80E-02	2.84E-06	8.76E-06	2.54E-02	4.00E-06	1.57E-06
2890 488936.61, 3858733.33	1.66E-02	2.61E-06	1.02E-06	1.76E-02	2.77E-06	8.54E-06	2.50E-02	3.93E-06	1.55E-06
2891 488637.63, 3858467.85	2.47E-02	3.90E-06	1.53E-06	2.66E-02	4.19E-06	1.29E-05	4.13E-02	6.51E-06	2.56E-06
2892 488662.63, 3858467.85	2.42E-02	3.81E-06	1.50E-06	2.61E-02	4.10E-06	1.26E-05	4.05E-02	6.37E-06	2.50E-06
2893 488637.63, 3858492.85	2.40E-02	3.78E-06	1.48E-06	2.58E-02	4.06E-06	1.25E-05	3.96E-02	6.24E-06	2.45E-06
2894 488662.63, 3858492.85	2.35E-02	3.70E-06	1.45E-06	2.52E-02	3.98E-06	1.22E-05	3.89E-02	6.12E-06	2.40E-06
2895 488687.63, 3858492.85	2.30E-02	3.63E-06	1.43E-06	2.48E-02	3.90E-06	1.20E-05	3.82E-02	6.01E-06	2.36E-06
2896 488637.63, 3858517.85	2.33E-02	3.67E-06	1.44E-06	2.50E-02	3.93E-06	1.21E-05	3.79E-02	5.98E-06	2.35E-06
2897 488662.63, 3858517.85	2.28E-02	3.59E-06	1.41E-06	2.45E-02	3.86E-06	1.19E-05	3.73E-02	5.87E-06	2.31E-06
2898 488687.63, 3858517.85	2.24E-02	3.52E-06	1.38E-06	2.40E-02	3.78E-06	1.17E-05	3.66E-02	5.77E-06	2.27E-06
2899 488194.42, 3857168.98	2.98E-02	4.69E-06	1.84E-06	3.22E-02	5.07E-06	1.56E-05	5.17E-02	8.15E-06	3.20E-06
2900 488244.42, 3857168.98	2.91E-02	4.59E-06	1.80E-06	3.15E-02	4.96E-06	1.53E-05	5.06E-02	7.97E-06	3.13E-06
2901 488294.42, 3857168.98	2.85E-02	4.49E-06	1.76E-06	3.08E-02	4.85E-06	1.49E-05	4.94E-02	7.79E-06	3.06E-06
2902 488244.42, 3857218.98	2.98E-02	4.70E-06	1.85E-06	3.22E-02	5.08E-06	1.56E-05	5.18E-02	8.16E-06	3.21E-06
2903 488294.42, 3857218.98	2.91E-02	4.59E-06	1.80E-06	3.15E-02	4.96E-06	1.53E-05	5.06E-02	7.97E-06	3.13E-06
2904 488294.42, 3857268.98	2.98E-02	4.70E-06	1.85E-06	3.22E-02	5.08E-06	1.56E-05	5.18E-02	8.16E-06	3.21E-06
2905 488139.13, 3857111.68	2.97E-02	4.68E-06	1.84E-06	3.21E-02	5.06E-06	1.56E-05	5.15E-02	8.12E-06	3.19E-06
2906 488189.13, 3857111.68	2.91E-02	4.58E-06	1.80E-06	3.14E-02	4.95E-06	1.52E-05	5.04E-02	7.94E-06	3.12E-06
2907 488189.13, 3857161.68	2.98E-02	4.69E-06	1.84E-06	3.22E-02	5.07E-06	1.56E-05	5.16E-02	8.14E-06	3.20E-06
2908 487951.04, 3856961.26	2.96E-02	4.66E-06	1.83E-06	3.20E-02	5.04E-06	1.55E-05	5.12E-02	8.06E-06	3.17E-06
2909 488001.04, 3856961.26	2.90E-02	4.57E-06	1.79E-06	3.13E-02	4.93E-06	1.52E-05	5.01E-02	7.90E-06	3.10E-06
2910 488051.04, 3856961.26	2.83E-02	4.46E-06	1.75E-06	3.06E-02	4.83E-06	1.49E-05	4.90E-02	7.72E-06	3.03E-06
2911 488101.04, 3856961.26	2.79E-02	4.39E-06	1.72E-06	3.01E-02	4.74E-06	1.46E-05	4.82E-02	7.60E-06	2.98E-06
2912 487951.04, 3857011.26	3.05E-02	4.80E-06	1.89E-06	3.29E-02	5.19E-06	1.60E-05	5.28E-02	8.31E-06	3.26E-06
2913 488001.04, 3857011.26	2.98E-02	4.69E-06	1.84E-06	3.22E-02	5.07E-06	1.56E-05	5.15E-02	8.11E-06	3.19E-06
2914 488051.04, 3857011.26	2.91E-02	4.58E-06	1.80E-06	3.14E-02	4.95E-06	1.53E-05	5.04E-02	7.93E-06	3.12E-06
2915 488101.04, 3857011.26	2.86E-02	4.50E-06	1.77E-06	3.09E-02	4.87E-06	1.50E-05	4.95E-02	7.79E-06	3.06E-06
2916 488001.04, 3857061.26	3.06E-02	4.82E-06	1.89E-06	3.31E-02	5.21E-06	1.60E-05	5.30E-02	8.35E-06	3.28E-06
2917 488051.04, 3857061.26	2.99E-02	4.72E-06	1.85E-06	3.24E-02	5.10E-06	1.57E-05	5.18E-02	8.17E-06	3.21E-06
2918 488101.04, 3857061.26	2.93E-02	4.62E-06	1.81E-06	3.17E-02	4.99E-06	1.54E-05	5.08E-02	8.00E-06	3.14E-06
2919 487638.98, 3856673.79	2.80E-02	4.41E-06	1.73E-06	3.02E-02	4.76E-06	1.47E-05	4.83E-02	7.61E-06	2.99E-06
2920 487688.98, 3856673.79	2.75E-02	4.33E-06	1.70E-06	2.97E-02	4.68E-06	1.44E-05	4.75E-02	7.48E-06	2.94E-06
2921 487638.98, 3856723.79	2.89E-02	4.56E-06	1.79E-06	3.13E-02	4.93E-06	1.52E-05	5.00E-02	7.88E-06	3.09E-06
2922 487688.98, 3856723.79	2.84E-02	4.47E-06	1.76E-06	3.07E-02	4.83E-06	1.49E-05	4.91E-02	7.73E-06	3.04E-06
2923 486324.61, 3855740.57	2.30E-02	3.62E-06	1.42E-06	2.48E-02	3.91E-06	1.20E-05	3.92E-02	6.18E-06	2.43E-06
2924 486374.61, 3855740.57	2.18E-02	3.43E-06	1.35E-06	2.35E-02	3.70E-06	1.14E-05	3.72E-02	5.86E-06	2.30E-06
2925 486424.61, 3855740.57	2.12E-02	3.33E-06	1.31E-06	2.28E-02	3.60E-06	1.11E-05	3.61E-02	5.69E-06	2.23E-06
2926 486324.61, 3855790.57	2.38E-02	3.75E-06	1.47E-06	2.57E-02	4.05E-06	1.25E-05	4.07E-02	6.41E-06	2.52E-06
2927 486374.61, 3855790.57	2.27E-02	3.57E-06	1.40E-06	2.44E-02	3.85E-06	1.19E-05	3.87E-02	6.10E-06	2.40E-06
2928 486424.61, 3855790.57	2.22E-02	3.50E-06	1.37E-06	2.39E-02	3.77E-06	1.16E-05	3.79E-02	5.97E-06	2.35E-06
2929 486324.61, 3855840.57	2.46E-02	3.88E-06	1.52E-06	2.66E-02	4.18E-06	1.29E-05	4.21E-02	6.63E-06	2.61E-06
2930 486374.61, 3855840.57	2.40E-02	3.78E-06	1.49E-06	2.59E-02	4.08E-06	1.26E-05	4.11E-02	6.47E-06	2.54E-06
2931 486424.61, 3855840.57	2.33E-02	3.67E-06	1.44E-06	2.51E-02	3.96E-06	1.22E-05	3.98E-02	6.27E-06	2.46E-06
2932 486324.61, 3855890.57	2.60E-02	4.10E-06	1.61E-06	2.81E-02	4.43E-06	1.36E-05	4.46E-02	7.03E-06	2.76E-06
2933 486374.61, 3855890.57	2.53E-02	3.99E-06	1.57E-06	2.73E-02	4.30E-06	1.32E-05	4.33E-02	6.83E-06	2.68E-06
2934 486424.61, 3855890.57	2.44E-02	3.85E-06	1.51E-06	2.64E-02	4.16E-06	1.28E-05	4.19E-02	6.59E-06	2.59E-06
2935 488735.69, 3858285.64	2.71E-02	4.28E-06	1.68E-06	2.93E-02	4.62E-06	1.42E-05	4.70E-02	7.40E-06	2.91E-06
2936 488765.69, 3858285.64	2.65E-02	4.17E-06	1.64E-06	2.86E-02	4.51E-06	1.39E-05	4.58E-02	7.21E-06	2.83E-06
2937 488735.69, 3858315.64	2.66E-02	4.19E-06	1.65E-06	2.87E-02	4.53E-06	1.39E-05	4.59E-02	7.24E-06	2.84E-06
2938 488765.69, 3858315.64	2.59E-02	4.09E-06	1.61E-06	2.80E-02	4.42E-06	1.36E-05	4.48E-02	7.05E-06	2.77E-06
2939 478676.63, 3849871.93	6.40E-04	1.01E-07	3.96E-08	6.90E-04	1.09E-07	3.35E-07	1.09E-03	1.72E-07	6.76E-08
2940 479326.63, 3849871.93	6.10E-04	9.60E-08	3.77E-08	6.58E-04	1.04E-07	3.19E-07	1.04E-03	1.64E-07	6.44E-08

2941	479376.63, 3849871.93	5.99E-04	9.44E-08	3.71E-08	6.47E-04	1.02E-07	3.14E-07	1.02E-03	1.61E-07	6.33E-08
2942	479426.63, 3849871.93	5.92E-04	9.33E-08	3.66E-08	6.39E-04	1.01E-07	3.10E-07	1.01E-03	1.59E-07	6.25E-08
2943	478726.63, 3849921.93	6.51E-04	1.03E-07	4.03E-08	7.02E-04	1.11E-07	3.41E-07	1.11E-03	1.75E-07	6.88E-08
2944	478776.63, 3849921.93	6.60E-04	1.04E-07	4.09E-08	7.12E-04	1.12E-07	3.46E-07	1.13E-03	1.78E-07	6.98E-08
2945	478826.63, 3849921.93	6.67E-04	1.05E-07	4.13E-08	7.20E-04	1.13E-07	3.49E-07	1.14E-03	1.80E-07	7.06E-08
2946	478976.63, 3849921.93	6.78E-04	1.07E-07	4.19E-08	7.31E-04	1.15E-07	3.55E-07	1.16E-03	1.82E-07	7.17E-08
2947	479026.63, 3849921.93	6.83E-04	1.08E-07	4.22E-08	7.37E-04	1.16E-07	3.57E-07	1.17E-03	1.84E-07	7.22E-08
2948	479076.63, 3849921.93	6.82E-04	1.07E-07	4.22E-08	7.36E-04	1.16E-07	3.57E-07	1.17E-03	1.84E-07	7.22E-08
2949	479126.63, 3849921.93	6.79E-04	1.07E-07	4.20E-08	7.32E-04	1.15E-07	3.55E-07	1.16E-03	1.83E-07	7.18E-08
2950	479176.63, 3849921.93	6.76E-04	1.07E-07	4.19E-08	7.30E-04	1.15E-07	3.54E-07	1.16E-03	1.82E-07	7.15E-08
2951	479226.63, 3849921.93	6.62E-04	1.04E-07	4.10E-08	7.14E-04	1.13E-07	3.47E-07	1.13E-03	1.78E-07	7.00E-08
2952	479276.63, 3849921.93	6.37E-04	1.00E-07	3.94E-08	6.87E-04	1.08E-07	3.33E-07	1.09E-03	1.71E-07	6.74E-08
2953	479326.63, 3849921.93	6.49E-04	1.02E-07	4.02E-08	7.00E-04	1.10E-07	3.40E-07	1.11E-03	1.75E-07	6.86E-08
2954	479376.63, 3849921.93	6.22E-04	9.79E-08	3.85E-08	6.71E-04	1.06E-07	3.25E-07	1.06E-03	1.67E-07	6.57E-08
2955	479426.63, 3849921.93	6.25E-04	9.84E-08	3.87E-08	6.74E-04	1.06E-07	3.27E-07	1.07E-03	1.68E-07	6.60E-08
2956	478726.63, 3849971.93	6.50E-04	1.02E-07	4.02E-08	7.01E-04	1.11E-07	3.40E-07	1.11E-03	1.75E-07	6.87E-08
2957	478776.63, 3849971.93	6.61E-04	1.04E-07	4.09E-08	7.13E-04	1.12E-07	3.46E-07	1.13E-03	1.78E-07	6.99E-08
2958	478826.63, 3849971.93	6.70E-04	1.06E-07	4.15E-08	7.23E-04	1.14E-07	3.51E-07	1.15E-03	1.80E-07	7.09E-08
2959	478976.63, 3849971.93	6.92E-04	1.09E-07	4.29E-08	7.47E-04	1.18E-07	3.63E-07	1.18E-03	1.86E-07	7.32E-08
2960	479026.63, 3849971.93	6.94E-04	1.09E-07	4.30E-08	7.49E-04	1.18E-07	3.63E-07	1.19E-03	1.87E-07	7.34E-08
2961	479076.63, 3849971.93	6.94E-04	1.09E-07	4.30E-08	7.49E-04	1.18E-07	3.63E-07	1.19E-03	1.87E-07	7.34E-08
2962	479126.63, 3849971.93	6.94E-04	1.09E-07	4.29E-08	7.49E-04	1.18E-07	3.63E-07	1.19E-03	1.87E-07	7.34E-08
2963	479176.63, 3849971.93	6.91E-04	1.09E-07	4.28E-08	7.46E-04	1.17E-07	3.62E-07	1.18E-03	1.86E-07	7.31E-08
2964	479226.63, 3849971.93	6.64E-04	1.05E-07	4.11E-08	7.16E-04	1.13E-07	3.48E-07	1.13E-03	1.79E-07	7.02E-08
2965	479276.63, 3849971.93	6.74E-04	1.06E-07	4.17E-08	7.27E-04	1.15E-07	3.53E-07	1.15E-03	1.81E-07	7.13E-08
2966	479326.63, 3849971.93	6.78E-04	1.07E-07	4.20E-08	7.31E-04	1.15E-07	3.55E-07	1.16E-03	1.82E-07	7.17E-08
2967	479376.63, 3849971.93	6.53E-04	1.03E-07	4.04E-08	7.04E-04	1.11E-07	3.42E-07	1.11E-03	1.76E-07	6.90E-08
2968	479426.63, 3849971.93	6.48E-04	1.02E-07	4.01E-08	7.00E-04	1.10E-07	3.39E-07	1.11E-03	1.74E-07	6.85E-08
2969	478726.63, 3850021.93	6.48E-04	1.02E-07	4.01E-08	6.99E-04	1.10E-07	3.39E-07	1.11E-03	1.74E-07	6.84E-08
2970	478776.63, 3850021.93	6.60E-04	1.04E-07	4.09E-08	7.12E-04	1.12E-07	3.46E-07	1.13E-03	1.78E-07	6.98E-08
2971	478826.63, 3850021.93	6.72E-04	1.06E-07	4.16E-08	7.25E-04	1.14E-07	3.52E-07	1.15E-03	1.81E-07	7.10E-08
2972	478976.63, 3850021.93	6.99E-04	1.10E-07	4.33E-08	7.54E-04	1.19E-07	3.66E-07	1.19E-03	1.88E-07	7.39E-08
2973	478726.63, 3850071.93	6.44E-04	1.01E-07	3.99E-08	6.95E-04	1.09E-07	3.37E-07	1.10E-03	1.73E-07	6.80E-08
2974	478776.63, 3850071.93	6.58E-04	1.04E-07	4.08E-08	7.10E-04	1.12E-07	3.45E-07	1.12E-03	1.77E-07	6.95E-08
2975	478826.63, 3850071.93	6.72E-04	1.06E-07	4.16E-08	7.24E-04	1.14E-07	3.52E-07	1.15E-03	1.81E-07	7.09E-08
2976	478876.63, 3850071.93	6.84E-04	1.08E-07	4.23E-08	7.38E-04	1.16E-07	3.58E-07	1.17E-03	1.84E-07	7.22E-08
2977	478976.63, 3850071.93	7.04E-04	1.11E-07	4.36E-08	7.60E-04	1.20E-07	3.69E-07	1.20E-03	1.90E-07	7.45E-08
2978	478726.63, 3850121.93	6.39E-04	1.01E-07	3.95E-08	6.89E-04	1.09E-07	3.34E-07	1.09E-03	1.71E-07	6.73E-08
2979	478776.63, 3850121.93	6.55E-04	1.03E-07	4.05E-08	7.07E-04	1.11E-07	3.43E-07	1.12E-03	1.76E-07	6.91E-08
2980	478826.63, 3850121.93	6.70E-04	1.05E-07	4.14E-08	7.22E-04	1.14E-07	3.50E-07	1.14E-03	1.80E-07	7.07E-08
2981	478876.63, 3850121.93	6.83E-04	1.08E-07	4.22E-08	7.36E-04	1.16E-07	3.57E-07	1.17E-03	1.84E-07	7.21E-08
2982	478976.63, 3850121.93	7.07E-04	1.11E-07	4.38E-08	7.63E-04	1.20E-07	3.70E-07	1.21E-03	1.90E-07	7.48E-08
2983	479026.63, 3850121.93	7.17E-04	1.13E-07	4.44E-08	7.74E-04	1.22E-07	3.75E-07	1.23E-03	1.93E-07	7.58E-08
2984	479076.63, 3850121.93	7.24E-04	1.14E-07	4.48E-08	7.81E-04	1.23E-07	3.79E-07	1.24E-03	1.95E-07	7.65E-08
2985	479126.63, 3850121.93	7.29E-04	1.15E-07	4.51E-08	7.87E-04	1.24E-07	3.82E-07	1.25E-03	1.96E-07	7.71E-08
2986	478776.63, 3850171.93	6.49E-04	1.02E-07	4.02E-08	7.01E-04	1.10E-07	3.40E-07	1.11E-03	1.74E-07	6.85E-08
2987	478826.63, 3850171.93	6.65E-04	1.05E-07	4.12E-08	7.18E-04	1.13E-07	3.48E-07	1.13E-03	1.79E-07	7.02E-08
2988	478876.63, 3850171.93	6.80E-04	1.07E-07	4.21E-08	7.34E-04	1.16E-07	3.56E-07	1.16E-03	1.83E-07	7.18E-08
2989	478976.63, 3850171.93	7.09E-04	1.12E-07	4.39E-08	7.64E-04	1.20E-07	3.71E-07	1.21E-03	1.91E-07	7.49E-08
2990	479026.63, 3850171.93	7.21E-04	1.14E-07	4.46E-08	7.78E-04	1.23E-07	3.77E-07	1.23E-03	1.94E-07	7.62E-08
2991	479076.63, 3850171.93	7.30E-04	1.15E-07	4.52E-08	7.87E-04	1.24E-07	3.82E-07	1.25E-03	1.96E-07	7.71E-08
2992	479126.63, 3850171.93	7.37E-04	1.16E-07	4.56E-08	7.95E-04	1.25E-07	3.86E-07	1.26E-03	1.98E-07	7.79E-08
2993	479176.63, 3850171.93	7.44E-04	1.17E-07	4.60E-08	8.03E-04	1.26E-07	3.89E-07	1.27E-03	2.00E-07	7.87E-08
2994	479226.63, 3850171.93	7.51E-04	1.18E-07	4.65E-08	8.11E-04	1.28E-07	3.93E-07	1.28E-03	2.02E-07	7.95E-08
2995	479276.63, 3850171.93	7.57E-04	1.19E-07	4.69E-08	8.17E-04	1.29E-07	3.97E-07	1.29E-03	2.04E-07	8.01E-08
2996	479326.63, 3850171.93	7.56E-04	1.19E-07	4.68E-08	8.16E-04	1.29E-07	3.96E-07	1.29E-03	2.04E-07	8.00E-08
2997	479376.63, 3850171.93	7.53E-04	1.19E-07	4.66E-08	8.12E-04	1.28E-07	3.94E-07	1.29E-03	2.03E-07	7.96E-08
2998	478676.63, 3850221.93	6.04E-04	9.52E-08	3.74E-08	6.51E-04	1.03E-07	3.16E-07	1.03E-03	1.62E-07	6.35E-08
2999	478726.63, 3850221.93	6.24E-04	9.83E-08	3.86E-08	6.73E-04	1.06E-07	3.27E-07	1.06E-03	1.67E-07	6.57E-08
3000	478976.63, 3850221.93	7.08E-04	1.12E-07	4.38E-08	7.64E-04	1.20E-07	3.71E-07	1.21E-03	1.90E-07	7.48E-08
3001	479026.63, 3850221.93	7.22E-04	1.14E-07	4.47E-08	7.79E-04	1.23E-07	3.78E-07	1.23E-03	1.94E-07	7.63E-08
3002	479076.63, 3850221.93	7.33E-04	1.15E-07	4.54E-08	7.91E-04	1.25E-07	3.84E-07	1.25E-03	1.97E-07	7.75E-08
3003	479126.63, 3850221.93	7.43E-04	1.17E-07	4.60E-08	8.01E-04	1.26E-07	3.89E-07	1.27E-03	2.00E-07	7.85E-08
3004	479176.63, 3850221.93	7.52E-04	1.19E-07	4.66E-08	8.12E-04	1.28E-07	3.94E-07	1.29E-03	2.03E-07	7.96E-08

3005	479226.63, 3850221.93	7.60E-04	1.20E-07	4.71E-08	8.20E-04	1.29E-07	3.98E-07	1.30E-03	2.05E-07	8.04E-08
3006	479276.63, 3850221.93	7.67E-04	1.21E-07	4.75E-08	8.27E-04	1.30E-07	4.01E-07	1.31E-03	2.06E-07	8.11E-08
3007	479326.63, 3850221.93	7.68E-04	1.21E-07	4.75E-08	8.28E-04	1.30E-07	4.02E-07	1.31E-03	2.07E-07	8.12E-08
3008	479376.63, 3850221.93	7.68E-04	1.21E-07	4.75E-08	8.28E-04	1.30E-07	4.02E-07	1.31E-03	2.07E-07	8.12E-08
3009	478676.63, 3850271.93	5.95E-04	9.37E-08	3.68E-08	6.41E-04	1.01E-07	3.11E-07	1.01E-03	1.59E-07	6.25E-08
3010	478726.63, 3850271.93	6.15E-04	9.69E-08	3.81E-08	6.63E-04	1.04E-07	3.22E-07	1.05E-03	1.65E-07	6.47E-08
3011	478976.63, 3850271.93	7.05E-04	1.11E-07	4.36E-08	7.61E-04	1.20E-07	3.69E-07	1.20E-03	1.89E-07	7.44E-08
3012	479026.63, 3850271.93	7.21E-04	1.14E-07	4.46E-08	7.78E-04	1.23E-07	3.77E-07	1.23E-03	1.94E-07	7.61E-08
3013	479076.63, 3850271.93	7.35E-04	1.16E-07	4.55E-08	7.93E-04	1.25E-07	3.85E-07	1.25E-03	1.98E-07	7.76E-08
3014	479126.63, 3850271.93	7.47E-04	1.18E-07	4.62E-08	8.06E-04	1.27E-07	3.91E-07	1.27E-03	2.01E-07	7.89E-08
3015	479176.63, 3850271.93	7.58E-04	1.19E-07	4.69E-08	8.17E-04	1.29E-07	3.97E-07	1.29E-03	2.04E-07	8.01E-08
3016	479226.63, 3850271.93	7.67E-04	1.21E-07	4.75E-08	8.28E-04	1.30E-07	4.02E-07	1.31E-03	2.06E-07	8.11E-08
3017	479276.63, 3850271.93	7.74E-04	1.22E-07	4.79E-08	8.35E-04	1.32E-07	4.05E-07	1.32E-03	2.08E-07	8.19E-08
3018	479326.63, 3850271.93	7.77E-04	1.22E-07	4.81E-08	8.39E-04	1.32E-07	4.07E-07	1.33E-03	2.09E-07	8.22E-08
3019	479376.63, 3850271.93	7.78E-04	1.23E-07	4.81E-08	8.39E-04	1.32E-07	4.07E-07	1.33E-03	2.09E-07	8.22E-08
3020	479053.24, 3850293.52	7.28E-04	1.15E-07	4.51E-08	7.86E-04	1.24E-07	3.81E-07	1.24E-03	1.96E-07	7.69E-08
3021	479103.24, 3850293.52	7.42E-04	1.17E-07	4.59E-08	8.00E-04	1.26E-07	3.88E-07	1.27E-03	1.99E-07	7.84E-08
3022	479153.24, 3850293.52	7.54E-04	1.19E-07	4.66E-08	8.13E-04	1.28E-07	3.95E-07	1.29E-03	2.03E-07	7.96E-08
3023	479203.24, 3850293.52	7.65E-04	1.21E-07	4.73E-08	8.25E-04	1.30E-07	4.00E-07	1.31E-03	2.06E-07	8.09E-08
3024	479253.24, 3850293.52	7.74E-04	1.22E-07	4.79E-08	8.35E-04	1.32E-07	4.05E-07	1.32E-03	2.08E-07	8.18E-08
3025	479303.24, 3850293.52	7.79E-04	1.23E-07	4.82E-08	8.41E-04	1.32E-07	4.08E-07	1.33E-03	2.10E-07	8.24E-08
3026	479353.24, 3850293.52	7.82E-04	1.23E-07	4.84E-08	8.44E-04	1.33E-07	4.09E-07	1.34E-03	2.10E-07	8.27E-08
3027	479153.24, 3850343.52	7.55E-04	1.19E-07	4.67E-08	8.15E-04	1.28E-07	3.95E-07	1.29E-03	2.03E-07	7.97E-08
3028	479203.24, 3850343.52	7.68E-04	1.21E-07	4.75E-08	8.29E-04	1.31E-07	4.02E-07	1.31E-03	2.07E-07	8.11E-08
3029	479253.24, 3850343.52	7.78E-04	1.22E-07	4.81E-08	8.39E-04	1.32E-07	4.07E-07	1.33E-03	2.09E-07	8.22E-08
3030	479303.24, 3850343.52	7.85E-04	1.24E-07	4.86E-08	8.47E-04	1.33E-07	4.11E-07	1.34E-03	2.11E-07	8.30E-08
3031	479353.24, 3850343.52	7.90E-04	1.24E-07	4.89E-08	8.52E-04	1.34E-07	4.14E-07	1.35E-03	2.13E-07	8.35E-08
3032	479203.24, 3850393.52	7.68E-04	1.21E-07	4.75E-08	8.29E-04	1.31E-07	4.02E-07	1.31E-03	2.06E-07	8.11E-08
3033	479253.24, 3850393.52	7.80E-04	1.23E-07	4.83E-08	8.41E-04	1.33E-07	4.08E-07	1.33E-03	2.10E-07	8.24E-08
3034	479303.24, 3850393.52	7.89E-04	1.24E-07	4.88E-08	8.51E-04	1.34E-07	4.13E-07	1.35E-03	2.12E-07	8.34E-08
3035	479353.24, 3850393.52	7.96E-04	1.25E-07	4.93E-08	8.59E-04	1.35E-07	4.17E-07	1.36E-03	2.14E-07	8.42E-08
3036	479403.24, 3850393.52	8.01E-04	1.26E-07	4.96E-08	8.65E-04	1.36E-07	4.19E-07	1.37E-03	2.16E-07	8.47E-08
3037	479453.24, 3850393.52	8.03E-04	1.27E-07	4.97E-08	8.67E-04	1.37E-07	4.20E-07	1.37E-03	2.16E-07	8.49E-08
3038	479503.24, 3850393.52	8.01E-04	1.26E-07	4.96E-08	8.65E-04	1.36E-07	4.20E-07	1.37E-03	2.16E-07	8.47E-08
3039	479303.24, 3850443.52	7.91E-04	1.25E-07	4.90E-08	8.53E-04	1.34E-07	4.14E-07	1.35E-03	2.13E-07	8.36E-08
3040	479353.24, 3850443.52	8.00E-04	1.26E-07	4.95E-08	8.63E-04	1.36E-07	4.19E-07	1.37E-03	2.15E-07	8.45E-08
3041	479403.24, 3850443.52	8.06E-04	1.27E-07	4.99E-08	8.70E-04	1.37E-07	4.22E-07	1.38E-03	2.17E-07	8.52E-08
3042	479453.24, 3850443.52	8.10E-04	1.28E-07	5.01E-08	8.74E-04	1.38E-07	4.24E-07	1.38E-03	2.18E-07	8.56E-08
3043	479503.24, 3850443.52	8.11E-04	1.28E-07	5.02E-08	8.75E-04	1.38E-07	4.24E-07	1.39E-03	2.18E-07	8.57E-08
3044	480327.18, 3850987.04	9.69E-04	1.53E-07	6.00E-08	1.05E-03	1.65E-07	5.07E-07	1.65E-03	2.60E-07	1.02E-07
3045	480377.18, 3850987.04	9.62E-04	1.52E-07	5.95E-08	1.04E-03	1.63E-07	5.03E-07	1.64E-03	2.58E-07	1.01E-07
3046	480427.18, 3850987.04	9.52E-04	1.50E-07	5.89E-08	1.03E-03	1.62E-07	4.98E-07	1.62E-03	2.55E-07	1.00E-07
3047	480477.18, 3850987.04	9.41E-04	1.48E-07	5.83E-08	1.01E-03	1.60E-07	4.92E-07	1.60E-03	2.52E-07	9.90E-08
3048	480327.18, 3851037.04	9.91E-04	1.56E-07	6.14E-08	1.07E-03	1.68E-07	5.19E-07	1.69E-03	2.66E-07	1.04E-07
3049	480377.18, 3851037.04	9.85E-04	1.55E-07	6.10E-08	1.06E-03	1.67E-07	5.15E-07	1.68E-03	2.64E-07	1.04E-07
3050	480427.18, 3851037.04	9.77E-04	1.54E-07	6.04E-08	1.05E-03	1.66E-07	5.11E-07	1.66E-03	2.62E-07	1.03E-07
3051	480477.18, 3851037.04	9.68E-04	1.52E-07	5.99E-08	1.04E-03	1.64E-07	5.06E-07	1.64E-03	2.59E-07	1.02E-07
3052	480622.06, 3851087.39	9.68E-04	1.52E-07	5.99E-08	1.04E-03	1.64E-07	5.06E-07	1.64E-03	2.59E-07	1.02E-07
3053	480672.06, 3851087.39	9.58E-04	1.51E-07	5.93E-08	1.03E-03	1.63E-07	5.01E-07	1.63E-03	2.56E-07	1.01E-07
3054	480622.06, 3851137.39	9.96E-04	1.57E-07	6.16E-08	1.07E-03	1.69E-07	5.21E-07	1.69E-03	2.66E-07	1.05E-07
3055	480672.06, 3851137.39	9.86E-04	1.55E-07	6.10E-08	1.06E-03	1.68E-07	5.16E-07	1.67E-03	2.64E-07	1.04E-07
3056	480722.06, 3851137.39	9.78E-04	1.54E-07	6.05E-08	1.05E-03	1.66E-07	5.11E-07	1.66E-03	2.61E-07	1.03E-07
3057	480622.06, 3851187.39	1.02E-03	1.61E-07	6.33E-08	1.10E-03	1.74E-07	5.35E-07	1.74E-03	2.74E-07	1.08E-07
3058	480672.06, 3851187.39	1.02E-03	1.60E-07	6.28E-08	1.09E-03	1.72E-07	5.31E-07	1.72E-03	2.71E-07	1.07E-07
3059	480722.06, 3851187.39	1.01E-03	1.59E-07	6.23E-08	1.09E-03	1.71E-07	5.27E-07	1.71E-03	2.69E-07	1.06E-07
3060	471363.09, 3845877.25	1.28E-04	2.02E-08	7.94E-09	1.38E-04	2.18E-08	6.72E-08	2.19E-04	3.45E-08	1.36E-08
3061	471863.09, 3845877.25	1.21E-04	1.90E-08	7.46E-09	1.30E-04	2.05E-08	6.31E-08	2.06E-04	3.25E-08	1.28E-08
3062	472363.09, 3845877.25	1.26E-04	1.98E-08	7.78E-09	1.36E-04	2.14E-08	6.58E-08	2.15E-04	3.38E-08	1.33E-08
3063	472863.09, 3845877.25	1.05E-04	1.66E-08	6.52E-09	1.14E-04	1.79E-08	5.52E-08	1.80E-04	2.84E-08	1.11E-08
3064	473363.09, 3845877.25	1.12E-04	1.76E-08	6.90E-09	1.20E-04	1.90E-08	5.84E-08	1.91E-04	3.00E-08	1.18E-08
3065	473863.09, 3845877.25	1.21E-04	1.91E-08	7.51E-09	1.31E-04	2.06E-08	6.36E-08	2.07E-04	3.27E-08	1.28E-08
3066	474363.09, 3845877.25	1.57E-04	2.47E-08	9.71E-09	1.69E-04	2.67E-08	8.21E-08	2.68E-04	4.22E-08	1.66E-08
3067	474863.09, 3845877.25	1.98E-04	3.12E-08	1.23E-08	2.14E-04	3.37E-08	1.04E-07	3.39E-04	5.34E-08	2.10E-08
3068	475363.09, 3845877.25	2.18E-04	3.44E-08	1.35E-08	2.35E-04	3.71E-08	1.14E-07	3.73E-04	5.88E-08	2.31E-08

3069	475863.09, 3845877.25	2.13E-04	3.35E-08	1.32E-08	2.30E-04	3.62E-08	1.11E-07	3.64E-04	5.73E-08	2.25E-08
3070	476363.09, 3845877.25	1.84E-04	2.89E-08	1.14E-08	1.98E-04	3.12E-08	9.61E-08	3.13E-04	4.93E-08	1.94E-08
3071	476863.09, 3845877.25	1.59E-04	2.51E-08	9.84E-09	1.72E-04	2.70E-08	8.33E-08	2.71E-04	4.27E-08	1.68E-08
3072	477363.09, 3845877.25	1.43E-04	2.25E-08	8.83E-09	1.54E-04	2.42E-08	7.47E-08	2.42E-04	3.82E-08	1.50E-08
3073	477863.09, 3845877.25	1.29E-04	2.03E-08	7.98E-09	1.39E-04	2.19E-08	6.75E-08	2.19E-04	3.45E-08	1.36E-08
3074	478363.09, 3845877.25	1.22E-04	1.92E-08	7.52E-09	1.31E-04	2.06E-08	6.36E-08	2.06E-04	3.25E-08	1.28E-08
3075	478863.09, 3845877.25	1.16E-04	1.83E-08	7.21E-09	1.26E-04	1.98E-08	6.09E-08	1.98E-04	3.12E-08	1.22E-08
3076	479363.09, 3845877.25	1.14E-04	1.80E-08	7.07E-09	1.23E-04	1.94E-08	5.97E-08	1.93E-04	3.04E-08	1.19E-08
3077	479863.09, 3845877.25	1.07E-04	1.68E-08	6.61E-09	1.15E-04	1.81E-08	5.58E-08	1.81E-04	2.85E-08	1.12E-08
3078	480363.09, 3845877.25	9.45E-05	1.49E-08	5.85E-09	1.02E-04	1.60E-08	4.94E-08	1.60E-04	2.53E-08	9.93E-09
3079	480863.09, 3845877.25	8.79E-05	1.38E-08	5.44E-09	9.47E-05	1.49E-08	4.60E-08	1.49E-04	2.35E-08	9.23E-09
3080	481363.09, 3845877.25	8.22E-05	1.30E-08	5.09E-09	8.86E-05	1.40E-08	4.30E-08	1.40E-04	2.20E-08	8.64E-09
3081	481863.09, 3845877.25	7.71E-05	1.21E-08	4.77E-09	8.31E-05	1.31E-08	4.03E-08	1.31E-04	2.07E-08	8.12E-09
3082	482363.09, 3845877.25	7.05E-05	1.11E-08	4.36E-09	7.60E-05	1.20E-08	3.69E-08	1.20E-04	1.89E-08	7.41E-09
3083	482863.09, 3845877.25	6.02E-05	9.48E-09	3.72E-09	6.49E-05	1.02E-08	3.15E-08	1.03E-04	1.61E-08	6.34E-09
3084	483363.09, 3845877.25	5.51E-05	8.67E-09	3.41E-09	5.94E-05	9.36E-09	2.88E-08	9.41E-05	1.48E-08	5.82E-09
3085	483863.09, 3845877.25	6.07E-05	9.57E-09	3.76E-09	6.55E-05	1.03E-08	3.18E-08	1.03E-04	1.63E-08	6.40E-09
3086	484363.09, 3845877.25	5.99E-05	9.44E-09	3.71E-09	6.46E-05	1.02E-08	3.13E-08	1.02E-04	1.61E-08	6.31E-09
3087	484863.09, 3845877.25	5.69E-05	8.97E-09	3.52E-09	6.14E-05	9.67E-09	2.98E-08	9.69E-05	1.53E-08	6.00E-09
3088	485363.09, 3845877.25	5.40E-05	8.50E-09	3.34E-09	5.82E-05	9.17E-09	2.82E-08	9.21E-05	1.45E-08	5.70E-09
3089	485863.09, 3845877.25	5.34E-05	8.41E-09	3.30E-09	5.76E-05	9.07E-09	2.79E-08	9.12E-05	1.44E-08	5.65E-09
3090	486363.09, 3845877.25	5.17E-05	8.14E-09	3.20E-09	5.58E-05	8.79E-09	2.71E-08	8.83E-05	1.39E-08	5.47E-09
3091	486863.09, 3845877.25	4.86E-05	7.65E-09	3.01E-09	5.24E-05	8.26E-09	2.54E-08	8.31E-05	1.31E-08	5.14E-09
3092	487363.09, 3845877.25	4.76E-05	7.50E-09	2.94E-09	5.14E-05	8.09E-09	2.49E-08	8.15E-05	1.28E-08	5.05E-09
3093	487863.09, 3845877.25	4.53E-05	7.14E-09	2.80E-09	4.89E-05	7.71E-09	2.37E-08	7.78E-05	1.23E-08	4.81E-09
3094	488363.09, 3845877.25	4.46E-05	7.02E-09	2.76E-09	4.82E-05	7.59E-09	2.34E-08	7.67E-05	1.21E-08	4.75E-09
3095	488863.09, 3845877.25	4.78E-05	7.54E-09	2.96E-09	5.17E-05	8.14E-09	2.51E-08	8.21E-05	1.29E-08	5.08E-09
3096	489363.09, 3845877.25	4.84E-05	7.62E-09	2.99E-09	5.23E-05	8.23E-09	2.54E-08	8.32E-05	1.31E-08	5.15E-09
3097	489863.09, 3845877.25	4.79E-05	7.55E-09	2.97E-09	5.18E-05	8.16E-09	2.51E-08	8.28E-05	1.30E-08	5.12E-09
3098	490363.09, 3845877.25	4.68E-05	7.37E-09	2.90E-09	5.06E-05	7.97E-09	2.45E-08	8.11E-05	1.28E-08	5.02E-09
3099	490863.09, 3845877.25	4.39E-05	6.92E-09	2.72E-09	4.75E-05	7.49E-09	2.31E-08	7.64E-05	1.20E-08	4.73E-09
3100	491363.09, 3845877.25	4.73E-05	7.46E-09	2.93E-09	5.12E-05	8.06E-09	2.48E-08	8.22E-05	1.30E-08	5.09E-09
3101	491863.09, 3845877.25	5.00E-05	7.88E-09	3.10E-09	5.41E-05	8.52E-09	2.62E-08	8.67E-05	1.37E-08	5.37E-09
3102	492363.09, 3845877.25	4.80E-05	7.56E-09	2.97E-09	5.19E-05	8.18E-09	2.52E-08	8.35E-05	1.32E-08	5.17E-09
3103	492863.09, 3845877.25	5.42E-05	8.54E-09	3.36E-09	5.86E-05	9.23E-09	2.84E-08	9.39E-05	1.48E-08	5.81E-09
3104	493363.09, 3845877.25	5.79E-05	9.12E-09	3.58E-09	6.26E-05	9.86E-09	3.04E-08	1.00E-04	1.58E-08	6.21E-09
3105	493863.09, 3845877.25	6.18E-05	9.74E-09	3.83E-09	6.68E-05	1.05E-08	3.24E-08	1.07E-04	1.68E-08	6.62E-09
3106	494363.09, 3845877.25	6.59E-05	1.04E-08	4.08E-09	7.12E-05	1.12E-08	3.46E-08	1.14E-04	1.80E-08	7.06E-09
3107	494863.09, 3845877.25	6.96E-05	1.10E-08	4.30E-09	7.52E-05	1.18E-08	3.65E-08	1.20E-04	1.90E-08	7.45E-09
3108	495363.09, 3845877.25	7.42E-05	1.17E-08	4.59E-09	8.02E-05	1.26E-08	3.89E-08	1.28E-04	2.02E-08	7.94E-09
3109	495863.09, 3845877.25	8.00E-05	1.26E-08	4.95E-09	8.64E-05	1.36E-08	4.19E-08	1.38E-04	2.18E-08	8.56E-09
3110	496363.09, 3845877.25	8.59E-05	1.35E-08	5.32E-09	9.28E-05	1.46E-08	4.50E-08	1.48E-04	2.34E-08	9.19E-09
3111	496863.09, 3845877.25	9.04E-05	1.42E-08	5.59E-09	9.77E-05	1.54E-08	4.74E-08	1.56E-04	2.46E-08	9.67E-09
3112	497363.09, 3845877.25	9.53E-05	1.50E-08	5.90E-09	1.03E-04	1.62E-08	5.00E-08	1.65E-04	2.60E-08	1.02E-08
3113	497863.09, 3845877.25	1.01E-04	1.59E-08	6.24E-09	1.09E-04	1.72E-08	5.28E-08	1.74E-04	2.74E-08	1.08E-08
3114	498363.09, 3845877.25	1.06E-04	1.67E-08	6.54E-09	1.14E-04	1.80E-08	5.54E-08	1.83E-04	2.88E-08	1.13E-08
3115	471363.09, 3846377.25	2.06E-04	3.25E-08	1.28E-08	2.23E-04	3.51E-08	1.08E-07	3.51E-04	5.53E-08	2.17E-08
3116	471863.09, 3846377.25	1.85E-04	2.92E-08	1.15E-08	2.00E-04	3.15E-08	9.71E-08	3.16E-04	4.97E-08	1.95E-08
3117	472363.09, 3846377.25	1.31E-04	2.06E-08	8.10E-09	1.41E-04	2.23E-08	6.86E-08	2.24E-04	3.53E-08	1.39E-08
3118	472863.09, 3846377.25	1.28E-04	2.01E-08	7.91E-09	1.38E-04	2.17E-08	6.70E-08	2.19E-04	3.44E-08	1.35E-08
3119	473363.09, 3846377.25	1.22E-04	1.93E-08	7.57E-09	1.32E-04	2.08E-08	6.40E-08	2.09E-04	3.29E-08	1.29E-08
3120	473863.09, 3846377.25	1.34E-04	2.11E-08	8.28E-09	1.44E-04	2.27E-08	7.00E-08	2.28E-04	3.59E-08	1.41E-08
3121	474363.09, 3846377.25	1.49E-04	2.35E-08	9.24E-09	1.61E-04	2.54E-08	7.81E-08	2.54E-04	4.01E-08	1.57E-08
3122	474863.09, 3846377.25	1.91E-04	3.01E-08	1.18E-08	2.06E-04	3.25E-08	1.00E-07	3.26E-04	5.14E-08	2.02E-08
3123	475363.09, 3846377.25	2.34E-04	3.69E-08	1.45E-08	2.52E-04	3.98E-08	1.22E-07	4.00E-04	6.30E-08	2.47E-08
3124	475863.09, 3846377.25	2.53E-04	3.98E-08	1.56E-08	2.73E-04	4.30E-08	1.32E-07	4.32E-04	6.81E-08	2.68E-08
3125	476363.09, 3846377.25	2.31E-04	3.64E-08	1.43E-08	2.49E-04	3.93E-08	1.21E-07	3.95E-04	6.22E-08	2.44E-08
3126	476863.09, 3846377.25	1.98E-04	3.12E-08	1.22E-08	2.14E-04	3.36E-08	1.04E-07	3.38E-04	5.32E-08	2.09E-08
3127	477363.09, 3846377.25	1.75E-04	2.76E-08	1.08E-08	1.89E-04	2.98E-08	9.17E-08	2.99E-04	4.70E-08	1.85E-08
3128	477863.09, 3846377.25	1.52E-04	2.39E-08	9.40E-09	1.64E-04	2.58E-08	7.94E-08	2.58E-04	4.06E-08	1.60E-08
3129	478363.09, 3846377.25	1.42E-04	2.23E-08	8.76E-09	1.53E-04	2.40E-08	7.40E-08	2.41E-04	3.79E-08	1.49E-08
3130	478863.09, 3846377.25	1.41E-04	2.22E-08	8.71E-09	1.52E-04	2.39E-08	7.36E-08	2.39E-04	3.77E-08	1.48E-08
3131	479363.09, 3846377.25	1.33E-04	2.10E-08	8.26E-09	1.44E-04	2.27E-08	6.98E-08	2.26E-04	3.57E-08	1.40E-08
3132	479863.09, 3846377.25	1.21E-04	1.90E-08	7.48E-09	1.30E-04	2.05E-08	6.32E-08	2.05E-04	3.22E-08	1.27E-08

3133	480363.09, 3846377.25	1.17E-04	1.84E-08	7.22E-09	1.26E-04	1.98E-08	6.10E-08	1.98E-04	3.12E-08	1.22E-08
3134	480863.09, 3846377.25	1.01E-04	1.59E-08	6.26E-09	1.09E-04	1.72E-08	5.29E-08	1.72E-04	2.70E-08	1.06E-08
3135	481363.09, 3846377.25	9.54E-05	1.50E-08	5.90E-09	1.03E-04	1.62E-08	4.99E-08	1.62E-04	2.55E-08	1.00E-08
3136	481863.09, 3846377.25	8.85E-05	1.39E-08	5.48E-09	9.55E-05	1.50E-08	4.63E-08	1.50E-04	2.37E-08	9.31E-09
3137	482363.09, 3846377.25	7.94E-05	1.25E-08	4.91E-09	8.56E-05	1.35E-08	4.15E-08	1.35E-04	2.13E-08	8.35E-09
3138	482863.09, 3846377.25	6.91E-05	1.09E-08	4.28E-09	7.45E-05	1.17E-08	3.61E-08	1.17E-04	1.85E-08	7.27E-09
3139	483363.09, 3846377.25	7.02E-05	1.11E-08	4.34E-09	7.57E-05	1.19E-08	3.67E-08	1.19E-04	1.88E-08	7.39E-09
3140	483863.09, 3846377.25	6.82E-05	1.07E-08	4.22E-09	7.36E-05	1.16E-08	3.57E-08	1.16E-04	1.83E-08	7.18E-09
3141	484363.09, 3846377.25	6.29E-05	9.90E-09	3.89E-09	6.78E-05	1.07E-08	3.29E-08	1.07E-04	1.69E-08	6.62E-09
3142	484863.09, 3846377.25	6.53E-05	1.03E-08	4.04E-09	7.04E-05	1.11E-08	3.42E-08	1.11E-04	1.75E-08	6.86E-09
3143	485363.09, 3846377.25	6.37E-05	1.00E-08	3.94E-09	6.87E-05	1.08E-08	3.33E-08	1.08E-04	1.71E-08	6.71E-09
3144	485863.09, 3846377.25	5.96E-05	9.39E-09	3.69E-09	6.43E-05	1.01E-08	3.12E-08	1.02E-04	1.60E-08	6.29E-09
3145	486363.09, 3846377.25	5.28E-05	8.32E-09	3.27E-09	5.70E-05	8.98E-09	2.76E-08	9.03E-05	1.42E-08	5.59E-09
3146	486863.09, 3846377.25	5.03E-05	7.92E-09	3.11E-09	5.43E-05	8.55E-09	2.63E-08	8.60E-05	1.36E-08	5.32E-09
3147	487363.09, 3846377.25	5.05E-05	7.96E-09	3.13E-09	5.45E-05	8.59E-09	2.65E-08	8.66E-05	1.36E-08	5.36E-09
3148	487863.09, 3846377.25	5.36E-05	8.45E-09	3.32E-09	5.79E-05	9.12E-09	2.81E-08	9.18E-05	1.45E-08	5.68E-09
3149	488363.09, 3846377.25	5.27E-05	8.29E-09	3.26E-09	5.68E-05	8.95E-09	2.76E-08	9.02E-05	1.42E-08	5.58E-09
3150	488863.09, 3846377.25	5.32E-05	8.38E-09	3.29E-09	5.74E-05	9.05E-09	2.79E-08	9.13E-05	1.44E-08	5.65E-09
3151	489363.09, 3846377.25	5.37E-05	8.46E-09	3.32E-09	5.80E-05	9.14E-09	2.82E-08	9.25E-05	1.46E-08	5.72E-09
3152	489863.09, 3846377.25	5.30E-05	8.35E-09	3.28E-09	5.73E-05	9.02E-09	2.78E-08	9.15E-05	1.44E-08	5.66E-09
3153	490363.09, 3846377.25	4.96E-05	7.81E-09	3.07E-09	5.36E-05	8.44E-09	2.60E-08	8.60E-05	1.35E-08	5.32E-09
3154	490863.09, 3846377.25	4.90E-05	7.72E-09	3.03E-09	5.30E-05	8.35E-09	2.57E-08	8.51E-05	1.34E-08	5.27E-09
3155	491363.09, 3846377.25	5.01E-05	7.90E-09	3.10E-09	5.42E-05	8.54E-09	2.63E-08	8.71E-05	1.37E-08	5.39E-09
3156	491863.09, 3846377.25	5.55E-05	8.74E-09	3.43E-09	6.00E-05	9.45E-09	2.91E-08	9.61E-05	1.51E-08	5.95E-09
3157	492363.09, 3846377.25	5.65E-05	8.89E-09	3.49E-09	6.10E-05	9.62E-09	2.96E-08	9.80E-05	1.54E-08	6.06E-09
3158	492863.09, 3846377.25	5.87E-05	9.25E-09	3.63E-09	6.35E-05	1.00E-08	3.08E-08	1.02E-04	1.60E-08	6.30E-09
3159	493363.09, 3846377.25	6.46E-05	1.02E-08	4.00E-09	6.99E-05	1.10E-08	3.39E-08	1.12E-04	1.76E-08	6.92E-09
3160	493863.09, 3846377.25	6.93E-05	1.09E-08	4.29E-09	7.49E-05	1.18E-08	3.63E-08	1.20E-04	1.89E-08	7.41E-09
3161	494363.09, 3846377.25	7.42E-05	1.17E-08	4.59E-09	8.02E-05	1.26E-08	3.89E-08	1.28E-04	2.02E-08	7.94E-09
3162	494863.09, 3846377.25	7.93E-05	1.25E-08	4.91E-09	8.57E-05	1.35E-08	4.16E-08	1.37E-04	2.16E-08	8.48E-09
3163	495363.09, 3846377.25	8.49E-05	1.34E-08	5.25E-09	9.17E-05	1.45E-08	4.45E-08	1.47E-04	2.31E-08	9.09E-09
3164	495863.09, 3846377.25	9.15E-05	1.44E-08	5.66E-09	9.89E-05	1.56E-08	4.80E-08	1.58E-04	2.49E-08	9.79E-09
3165	496363.09, 3846377.25	9.83E-05	1.55E-08	6.08E-09	1.06E-04	1.67E-08	5.15E-08	1.70E-04	2.68E-08	1.05E-08
3166	496863.09, 3846377.25	1.05E-04	1.65E-08	6.49E-09	1.13E-04	1.79E-08	5.50E-08	1.81E-04	2.86E-08	1.12E-08
3167	497363.09, 3846377.25	1.11E-04	1.75E-08	6.89E-09	1.20E-04	1.90E-08	5.84E-08	1.93E-04	3.03E-08	1.19E-08
3168	497863.09, 3846377.25	1.17E-04	1.84E-08	7.24E-09	1.26E-04	1.99E-08	6.13E-08	2.02E-04	3.18E-08	1.25E-08
3169	498363.09, 3846377.25	1.22E-04	1.92E-08	7.55E-09	1.32E-04	2.08E-08	6.40E-08	2.11E-04	3.32E-08	1.30E-08
3170	471363.09, 3846877.25	2.27E-04	3.57E-08	1.40E-08	2.44E-04	3.85E-08	1.19E-07	3.86E-04	6.07E-08	2.39E-08
3171	471863.09, 3846877.25	2.28E-04	3.59E-08	1.41E-08	2.46E-04	3.87E-08	1.19E-07	3.87E-04	6.10E-08	2.40E-08
3172	472363.09, 3846877.25	2.16E-04	3.40E-08	1.34E-08	2.33E-04	3.67E-08	1.13E-07	3.67E-04	5.78E-08	2.27E-08
3173	472863.09, 3846877.25	1.42E-04	2.23E-08	8.76E-09	1.53E-04	2.41E-08	7.41E-08	2.42E-04	3.81E-08	1.50E-08
3174	473363.09, 3846877.25	1.48E-04	2.34E-08	9.19E-09	1.60E-04	2.52E-08	7.77E-08	2.54E-04	3.99E-08	1.57E-08
3175	473863.09, 3846877.25	1.52E-04	2.40E-08	9.42E-09	1.64E-04	2.59E-08	7.97E-08	2.59E-04	4.09E-08	1.61E-08
3176	474363.09, 3846877.25	1.54E-04	2.43E-08	9.54E-09	1.66E-04	2.62E-08	8.07E-08	2.63E-04	4.14E-08	1.62E-08
3177	474863.09, 3846877.25	1.69E-04	2.67E-08	1.05E-08	1.83E-04	2.88E-08	8.86E-08	2.89E-04	4.55E-08	1.79E-08
3178	475363.09, 3846877.25	2.01E-04	3.17E-08	1.25E-08	2.17E-04	3.42E-08	1.05E-07	3.44E-04	5.41E-08	2.13E-08
3179	475863.09, 3846877.25	2.63E-04	4.15E-08	1.63E-08	2.84E-04	4.47E-08	1.38E-07	4.50E-04	7.08E-08	2.78E-08
3180	476363.09, 3846877.25	2.77E-04	4.37E-08	1.72E-08	2.99E-04	4.72E-08	1.45E-07	4.74E-04	7.47E-08	2.94E-08
3181	476863.09, 3846877.25	2.50E-04	3.94E-08	1.55E-08	2.70E-04	4.25E-08	1.31E-07	4.27E-04	6.73E-08	2.64E-08
3182	477363.09, 3846877.25	2.17E-04	3.42E-08	1.34E-08	2.34E-04	3.68E-08	1.13E-07	3.70E-04	5.82E-08	2.29E-08
3183	477863.09, 3846877.25	1.87E-04	2.95E-08	1.16E-08	2.02E-04	3.18E-08	9.80E-08	3.19E-04	5.02E-08	1.97E-08
3184	478363.09, 3846877.25	1.70E-04	2.67E-08	1.05E-08	1.83E-04	2.88E-08	8.88E-08	2.88E-04	4.54E-08	1.78E-08
3185	478863.09, 3846877.25	1.67E-04	2.64E-08	1.04E-08	1.80E-04	2.84E-08	8.75E-08	2.84E-04	4.47E-08	1.76E-08
3186	479363.09, 3846877.25	1.58E-04	2.49E-08	9.78E-09	1.70E-04	2.68E-08	8.27E-08	2.69E-04	4.23E-08	1.66E-08
3187	479863.09, 3846877.25	1.24E-04	1.95E-08	7.67E-09	1.34E-04	2.11E-08	6.48E-08	2.10E-04	3.31E-08	1.30E-08
3188	480363.09, 3846877.25	1.06E-04	1.67E-08	6.57E-09	1.14E-04	1.80E-08	5.55E-08	1.80E-04	2.84E-08	1.12E-08
3189	480863.09, 3846877.25	9.96E-05	1.57E-08	6.17E-09	1.07E-04	1.69E-08	5.21E-08	1.70E-04	2.67E-08	1.05E-08
3190	481363.09, 3846877.25	1.01E-04	1.59E-08	6.24E-09	1.09E-04	1.71E-08	5.28E-08	1.71E-04	2.70E-08	1.06E-08
3191	481863.09, 3846877.25	9.72E-05	1.53E-08	6.01E-09	1.05E-04	1.65E-08	5.08E-08	1.65E-04	2.60E-08	1.02E-08
3192	482363.09, 3846877.25	8.53E-05	1.34E-08	5.28E-09	9.20E-05	1.45E-08	4.46E-08	1.45E-04	2.28E-08	8.98E-09
3193	482863.09, 3846877.25	8.24E-05	1.30E-08	5.10E-09	8.88E-05	1.40E-08	4.31E-08	1.40E-04	2.20E-08	8.65E-09
3194	483363.09, 3846877.25	7.95E-05	1.25E-08	4.92E-09	8.57E-05	1.35E-08	4.16E-08	1.35E-04	2.13E-08	8.36E-09
3195	483863.09, 3846877.25	7.68E-05	1.21E-08	4.76E-09	8.29E-05	1.31E-08	4.02E-08	1.31E-04	2.06E-08	8.08E-09
3196	484363.09, 3846877.25	7.43E-05	1.17E-08	4.60E-09	8.01E-05	1.26E-08	3.89E-08	1.26E-04	1.99E-08	7.81E-09

3197	484863.09, 3846877.25	7.15E-05	1.13E-08	4.42E-09	7.71E-05	1.21E-08	3.74E-08	1.21E-04	1.91E-08	7.51E-09
3198	485363.09, 3846877.25	7.06E-05	1.11E-08	4.37E-09	7.62E-05	1.20E-08	3.70E-08	1.20E-04	1.89E-08	7.44E-09
3199	485863.09, 3846877.25	6.68E-05	1.05E-08	4.13E-09	7.20E-05	1.13E-08	3.50E-08	1.14E-04	1.79E-08	7.05E-09
3200	486363.09, 3846877.25	6.72E-05	1.06E-08	4.16E-09	7.25E-05	1.14E-08	3.52E-08	1.14E-04	1.80E-08	7.08E-09
3201	486863.09, 3846877.25	6.00E-05	9.46E-09	3.71E-09	6.48E-05	1.02E-08	3.14E-08	1.02E-04	1.61E-08	6.34E-09
3202	487363.09, 3846877.25	5.99E-05	9.43E-09	3.71E-09	6.46E-05	1.02E-08	3.13E-08	1.02E-04	1.61E-08	6.33E-09
3203	487863.09, 3846877.25	5.91E-05	9.32E-09	3.66E-09	6.38E-05	1.01E-08	3.10E-08	1.01E-04	1.59E-08	6.26E-09
3204	488363.09, 3846877.25	5.84E-05	9.20E-09	3.62E-09	6.31E-05	9.93E-09	3.06E-08	1.00E-04	1.58E-08	6.20E-09
3205	488863.09, 3846877.25	5.94E-05	9.35E-09	3.67E-09	6.41E-05	1.01E-08	3.11E-08	1.02E-04	1.61E-08	6.31E-09
3206	489363.09, 3846877.25	6.03E-05	9.50E-09	3.73E-09	6.52E-05	1.03E-08	3.16E-08	1.04E-04	1.64E-08	6.43E-09
3207	489863.09, 3846877.25	5.99E-05	9.44E-09	3.71E-09	6.47E-05	1.02E-08	3.14E-08	1.03E-04	1.63E-08	6.39E-09
3208	490363.09, 3846877.25	5.65E-05	8.90E-09	3.50E-09	6.11E-05	9.62E-09	2.96E-08	9.77E-05	1.54E-08	6.05E-09
3209	490863.09, 3846877.25	5.72E-05	9.01E-09	3.54E-09	6.18E-05	9.74E-09	3.00E-08	9.90E-05	1.56E-08	6.13E-09
3210	491363.09, 3846877.25	5.87E-05	9.25E-09	3.63E-09	6.35E-05	1.00E-08	3.08E-08	1.02E-04	1.60E-08	6.30E-09
3211	491863.09, 3846877.25	5.90E-05	9.29E-09	3.65E-09	6.38E-05	1.00E-08	3.09E-08	1.02E-04	1.61E-08	6.33E-09
3212	492363.09, 3846877.25	6.59E-05	1.04E-08	4.08E-09	7.12E-05	1.12E-08	3.46E-08	1.14E-04	1.80E-08	7.06E-09
3213	492863.09, 3846877.25	6.93E-05	1.09E-08	4.29E-09	7.49E-05	1.18E-08	3.63E-08	1.20E-04	1.89E-08	7.41E-09
3214	493363.09, 3846877.25	7.46E-05	1.18E-08	4.62E-09	8.06E-05	1.27E-08	3.91E-08	1.29E-04	2.03E-08	7.99E-09
3215	493863.09, 3846877.25	7.95E-05	1.25E-08	4.92E-09	8.60E-05	1.35E-08	4.17E-08	1.38E-04	2.17E-08	8.51E-09
3216	494363.09, 3846877.25	8.45E-05	1.33E-08	5.23E-09	9.13E-05	1.44E-08	4.43E-08	1.46E-04	2.30E-08	9.04E-09
3217	494863.09, 3846877.25	9.02E-05	1.42E-08	5.58E-09	9.75E-05	1.54E-08	4.73E-08	1.56E-04	2.46E-08	9.66E-09
3218	495363.09, 3846877.25	9.63E-05	1.52E-08	5.96E-09	1.04E-04	1.64E-08	5.05E-08	1.67E-04	2.63E-08	1.03E-08
3219	495863.09, 3846877.25	1.02E-04	1.61E-08	6.34E-09	1.11E-04	1.74E-08	5.37E-08	1.77E-04	2.79E-08	1.10E-08
3220	496363.09, 3846877.25	1.09E-04	1.72E-08	6.76E-09	1.18E-04	1.86E-08	5.73E-08	1.89E-04	2.98E-08	1.17E-08
3221	496863.09, 3846877.25	1.18E-04	1.85E-08	7.27E-09	1.27E-04	2.00E-08	6.16E-08	2.03E-04	3.20E-08	1.26E-08
3222	497363.09, 3846877.25	1.28E-04	2.01E-08	7.90E-09	1.38E-04	2.17E-08	6.69E-08	2.21E-04	3.47E-08	1.37E-08
3223	497863.09, 3846877.25	1.37E-04	2.16E-08	8.47E-09	1.48E-04	2.33E-08	7.17E-08	2.36E-04	3.72E-08	1.46E-08
3224	498363.09, 3846877.25	1.42E-04	2.23E-08	8.78E-09	1.53E-04	2.41E-08	7.44E-08	2.45E-04	3.86E-08	1.52E-08
3225	471363.09, 3847377.25	2.46E-04	3.88E-08	1.52E-08	2.66E-04	4.19E-08	1.29E-07	4.21E-04	6.63E-08	2.60E-08
3226	471863.09, 3847377.25	2.49E-04	3.92E-08	1.54E-08	2.68E-04	4.22E-08	1.30E-07	4.24E-04	6.67E-08	2.62E-08
3227	472363.09, 3847377.25	2.50E-04	3.94E-08	1.55E-08	2.70E-04	4.25E-08	1.31E-07	4.25E-04	6.69E-08	2.63E-08
3228	472863.09, 3847377.25	2.39E-04	3.77E-08	1.48E-08	2.58E-04	4.06E-08	1.25E-07	4.07E-04	6.41E-08	2.52E-08
3229	473363.09, 3847377.25	1.89E-04	2.98E-08	1.17E-08	2.04E-04	3.22E-08	9.91E-08	3.23E-04	5.09E-08	2.00E-08
3230	473863.09, 3847377.25	1.82E-04	2.86E-08	1.12E-08	1.96E-04	3.09E-08	9.51E-08	3.10E-04	4.88E-08	1.92E-08
3231	474363.09, 3847377.25	1.81E-04	2.85E-08	1.12E-08	1.95E-04	3.07E-08	9.46E-08	3.08E-04	4.85E-08	1.90E-08
3232	474863.09, 3847377.25	1.73E-04	2.72E-08	1.07E-08	1.86E-04	2.94E-08	9.04E-08	2.94E-04	4.63E-08	1.82E-08
3233	475363.09, 3847377.25	1.80E-04	2.84E-08	1.11E-08	1.94E-04	3.06E-08	9.43E-08	3.07E-04	4.83E-08	1.90E-08
3234	475863.09, 3847377.25	2.42E-04	3.81E-08	1.50E-08	2.61E-04	4.11E-08	1.27E-07	4.13E-04	6.50E-08	2.55E-08
3235	476363.09, 3847377.25	3.23E-04	5.09E-08	2.00E-08	3.49E-04	5.50E-08	1.69E-07	5.53E-04	8.70E-08	3.42E-08
3236	476863.09, 3847377.25	3.10E-04	4.88E-08	1.92E-08	3.34E-04	5.27E-08	1.62E-07	5.30E-04	8.35E-08	3.28E-08
3237	477363.09, 3847377.25	2.81E-04	4.43E-08	1.74E-08	3.04E-04	4.78E-08	1.47E-07	4.80E-04	7.57E-08	2.97E-08
3238	477863.09, 3847377.25	2.38E-04	3.76E-08	1.48E-08	2.57E-04	4.05E-08	1.25E-07	4.07E-04	6.40E-08	2.52E-08
3239	478363.09, 3847377.25	2.11E-04	3.33E-08	1.31E-08	2.28E-04	3.59E-08	1.10E-07	3.59E-04	5.65E-08	2.22E-08
3240	478863.09, 3847377.25	1.99E-04	3.13E-08	1.23E-08	2.14E-04	3.37E-08	1.04E-07	3.37E-04	5.31E-08	2.09E-08
3241	479363.09, 3847377.25	1.62E-04	2.55E-08	1.00E-08	1.75E-04	2.75E-08	8.48E-08	2.75E-04	4.34E-08	1.70E-08
3242	479863.09, 3847377.25	1.20E-04	1.90E-08	7.45E-09	1.30E-04	2.05E-08	6.30E-08	2.05E-04	3.23E-08	1.27E-08
3243	480363.09, 3847377.25	9.16E-05	1.44E-08	5.67E-09	9.88E-05	1.56E-08	4.79E-08	1.56E-04	2.46E-08	9.66E-09
3244	480863.09, 3847377.25	8.39E-05	1.32E-08	5.20E-09	9.06E-05	1.43E-08	4.39E-08	1.43E-04	2.26E-08	8.88E-09
3245	481363.09, 3847377.25	9.05E-05	1.43E-08	5.60E-09	9.76E-05	1.54E-08	4.74E-08	1.54E-04	2.43E-08	9.54E-09
3246	481863.09, 3847377.25	1.06E-04	1.68E-08	6.58E-09	1.15E-04	1.81E-08	5.56E-08	1.80E-04	2.84E-08	1.12E-08
3247	482363.09, 3847377.25	1.02E-04	1.60E-08	6.28E-09	1.09E-04	1.72E-08	5.31E-08	1.72E-04	2.72E-08	1.07E-08
3248	482863.09, 3847377.25	9.51E-05	1.50E-08	5.88E-09	1.02E-04	1.61E-08	4.97E-08	1.61E-04	2.54E-08	9.97E-09
3249	483363.09, 3847377.25	8.97E-05	1.41E-08	5.55E-09	9.67E-05	1.52E-08	4.69E-08	1.52E-04	2.40E-08	9.43E-09
3250	483863.09, 3847377.25	8.63E-05	1.36E-08	5.34E-09	9.30E-05	1.47E-08	4.51E-08	1.47E-04	2.31E-08	9.07E-09
3251	484363.09, 3847377.25	8.69E-05	1.37E-08	5.38E-09	9.36E-05	1.48E-08	4.54E-08	1.47E-04	2.32E-08	9.13E-09
3252	484863.09, 3847377.25	8.24E-05	1.30E-08	5.10E-09	8.88E-05	1.40E-08	4.31E-08	1.40E-04	2.20E-08	8.64E-09
3253	485363.09, 3847377.25	8.01E-05	1.26E-08	4.96E-09	8.63E-05	1.36E-08	4.19E-08	1.36E-04	2.15E-08	8.43E-09
3254	485863.09, 3847377.25	7.88E-05	1.24E-08	4.88E-09	8.50E-05	1.34E-08	4.12E-08	1.34E-04	2.11E-08	8.30E-09
3255	486363.09, 3847377.25	7.73E-05	1.22E-08	4.78E-09	8.33E-05	1.31E-08	4.04E-08	1.31E-04	2.07E-08	8.13E-09
3256	486863.09, 3847377.25	7.05E-05	1.11E-08	4.36E-09	7.60E-05	1.20E-08	3.69E-08	1.20E-04	1.89E-08	7.43E-09
3257	487363.09, 3847377.25	6.99E-05	1.10E-08	4.33E-09	7.54E-05	1.19E-08	3.66E-08	1.19E-04	1.88E-08	7.37E-09
3258	487863.09, 3847377.25	6.65E-05	1.05E-08	4.11E-09	7.17E-05	1.13E-08	3.48E-08	1.14E-04	1.79E-08	7.03E-09
3259	488363.09, 3847377.25	6.60E-05	1.04E-08	4.09E-09	7.13E-05	1.12E-08	3.46E-08	1.13E-04	1.78E-08	7.00E-09
3260	488863.09, 3847377.25	6.70E-05	1.06E-08	4.14E-09	7.23E-05	1.14E-08	3.51E-08	1.15E-04	1.81E-08	7.12E-09

3261	489363.09, 3847377.25	6.83E-05	1.08E-08	4.22E-09	7.37E-05	1.16E-08	3.58E-08	1.17E-04	1.85E-08	7.26E-09
3262	489863.09, 3847377.25	6.74E-05	1.06E-08	4.17E-09	7.28E-05	1.15E-08	3.53E-08	1.16E-04	1.83E-08	7.18E-09
3263	490363.09, 3847377.25	6.66E-05	1.05E-08	4.12E-09	7.20E-05	1.13E-08	3.49E-08	1.15E-04	1.81E-08	7.12E-09
3264	490863.09, 3847377.25	6.82E-05	1.07E-08	4.22E-09	7.37E-05	1.16E-08	3.57E-08	1.18E-04	1.86E-08	7.29E-09
3265	491363.09, 3847377.25	6.93E-05	1.09E-08	4.29E-09	7.49E-05	1.18E-08	3.63E-08	1.20E-04	1.89E-08	7.41E-09
3266	491863.09, 3847377.25	7.48E-05	1.18E-08	4.63E-09	8.08E-05	1.27E-08	3.92E-08	1.29E-04	2.04E-08	8.00E-09
3267	492363.09, 3847377.25	7.67E-05	1.21E-08	4.75E-09	8.29E-05	1.31E-08	4.02E-08	1.33E-04	2.09E-08	8.21E-09
3268	492863.09, 3847377.25	8.23E-05	1.30E-08	5.10E-09	8.90E-05	1.40E-08	4.32E-08	1.42E-04	2.24E-08	8.82E-09
3269	493363.09, 3847377.25	8.73E-05	1.37E-08	5.40E-09	9.43E-05	1.49E-08	4.58E-08	1.51E-04	2.38E-08	9.35E-09
3270	493863.09, 3847377.25	9.05E-05	1.43E-08	5.60E-09	9.78E-05	1.54E-08	4.75E-08	1.57E-04	2.47E-08	9.69E-09
3271	494363.09, 3847377.25	9.42E-05	1.48E-08	5.83E-09	1.02E-04	1.60E-08	4.94E-08	1.63E-04	2.57E-08	1.01E-08
3272	494863.09, 3847377.25	9.99E-05	1.57E-08	6.18E-09	1.08E-04	1.70E-08	5.24E-08	1.73E-04	2.73E-08	1.07E-08
3273	495363.09, 3847377.25	1.05E-04	1.66E-08	6.51E-09	1.14E-04	1.79E-08	5.52E-08	1.82E-04	2.87E-08	1.13E-08
3274	495863.09, 3847377.25	1.12E-04	1.77E-08	6.95E-09	1.21E-04	1.91E-08	5.89E-08	1.94E-04	3.06E-08	1.20E-08
3275	496363.09, 3847377.25	1.19E-04	1.88E-08	7.37E-09	1.29E-04	2.03E-08	6.24E-08	2.06E-04	3.24E-08	1.27E-08
3276	496863.09, 3847377.25	1.30E-04	2.05E-08	8.04E-09	1.40E-04	2.21E-08	6.81E-08	2.25E-04	3.54E-08	1.39E-08
3277	497363.09, 3847377.25	1.43E-04	2.26E-08	8.87E-09	1.55E-04	2.44E-08	7.51E-08	2.48E-04	3.90E-08	1.53E-08
3278	497863.09, 3847377.25	1.59E-04	2.50E-08	9.82E-09	1.72E-04	2.70E-08	8.32E-08	2.74E-04	4.32E-08	1.70E-08
3279	498363.09, 3847377.25	1.67E-04	2.64E-08	1.04E-08	1.81E-04	2.85E-08	8.77E-08	2.89E-04	4.55E-08	1.79E-08
3280	471363.09, 3847877.25	2.68E-04	4.22E-08	1.66E-08	2.89E-04	4.55E-08	1.40E-07	4.58E-04	7.21E-08	2.83E-08
3281	471863.09, 3847877.25	2.73E-04	4.31E-08	1.69E-08	2.95E-04	4.64E-08	1.43E-07	4.67E-04	7.35E-08	2.89E-08
3282	472363.09, 3847877.25	2.75E-04	4.34E-08	1.70E-08	2.97E-04	4.68E-08	1.44E-07	4.70E-04	7.40E-08	2.91E-08
3283	472863.09, 3847877.25	2.76E-04	4.35E-08	1.71E-08	2.98E-04	4.69E-08	1.44E-07	4.70E-04	7.40E-08	2.91E-08
3284	473363.09, 3847877.25	2.77E-04	4.37E-08	1.72E-08	2.99E-04	4.71E-08	1.45E-07	4.71E-04	7.42E-08	2.92E-08
3285	473863.09, 3847877.25	2.60E-04	4.10E-08	1.61E-08	2.80E-04	4.42E-08	1.36E-07	4.42E-04	6.97E-08	2.74E-08
3286	474363.09, 3847877.25	2.13E-04	3.35E-08	1.32E-08	2.30E-04	3.62E-08	1.11E-07	3.63E-04	5.71E-08	2.24E-08
3287	474863.09, 3847877.25	2.12E-04	3.33E-08	1.31E-08	2.28E-04	3.59E-08	1.11E-07	3.60E-04	5.67E-08	2.23E-08
3288	475363.09, 3847877.25	1.93E-04	3.05E-08	1.20E-08	2.09E-04	3.29E-08	1.01E-07	3.29E-04	5.18E-08	2.04E-08
3289	475863.09, 3847877.25	1.98E-04	3.12E-08	1.23E-08	2.14E-04	3.37E-08	1.04E-07	3.38E-04	5.32E-08	2.09E-08
3290	476363.09, 3847877.25	2.99E-04	4.71E-08	1.85E-08	3.22E-04	5.08E-08	1.56E-07	5.09E-04	8.02E-08	3.15E-08
3291	476863.09, 3847877.25	3.64E-04	5.74E-08	2.25E-08	3.93E-04	6.19E-08	1.91E-07	6.22E-04	9.80E-08	3.85E-08
3292	477363.09, 3847877.25	3.61E-04	5.68E-08	2.23E-08	3.89E-04	6.13E-08	1.89E-07	6.16E-04	9.71E-08	3.81E-08
3293	477863.09, 3847877.25	3.15E-04	4.96E-08	1.95E-08	3.40E-04	5.35E-08	1.65E-07	5.37E-04	8.46E-08	3.32E-08
3294	478363.09, 3847877.25	2.69E-04	4.24E-08	1.67E-08	2.90E-04	4.57E-08	1.41E-07	4.59E-04	7.23E-08	2.84E-08
3295	478863.09, 3847877.25	2.33E-04	3.67E-08	1.44E-08	2.51E-04	3.96E-08	1.22E-07	3.96E-04	6.24E-08	2.45E-08
3296	479363.09, 3847877.25	1.63E-04	2.58E-08	1.01E-08	1.76E-04	2.78E-08	8.56E-08	2.78E-04	4.38E-08	1.72E-08
3297	479863.09, 3847877.25	1.05E-04	1.66E-08	6.51E-09	1.14E-04	1.79E-08	5.51E-08	1.80E-04	2.83E-08	1.11E-08
3298	480363.09, 3847877.25	1.07E-04	1.69E-08	6.63E-09	1.16E-04	1.82E-08	5.61E-08	1.82E-04	2.87E-08	1.13E-08
3299	480863.09, 3847877.25	9.71E-05	1.53E-08	6.01E-09	1.05E-04	1.65E-08	5.08E-08	1.66E-04	2.61E-08	1.02E-08
3300	481363.09, 3847877.25	9.84E-05	1.55E-08	6.09E-09	1.06E-04	1.67E-08	5.15E-08	1.68E-04	2.64E-08	1.04E-08
3301	481863.09, 3847877.25	1.23E-04	1.94E-08	7.61E-09	1.33E-04	2.09E-08	6.43E-08	2.09E-04	3.29E-08	1.29E-08
3302	482363.09, 3847877.25	1.16E-04	1.83E-08	7.21E-09	1.26E-04	1.98E-08	6.09E-08	1.98E-04	3.12E-08	1.22E-08
3303	482863.09, 3847877.25	1.07E-04	1.68E-08	6.61E-09	1.15E-04	1.81E-08	5.59E-08	1.81E-04	2.85E-08	1.12E-08
3304	483363.09, 3847877.25	1.01E-04	1.60E-08	6.28E-09	1.09E-04	1.72E-08	5.30E-08	1.72E-04	2.71E-08	1.06E-08
3305	483863.09, 3847877.25	9.90E-05	1.56E-08	6.13E-09	1.07E-04	1.68E-08	5.18E-08	1.68E-04	2.65E-08	1.04E-08
3306	484363.09, 3847877.25	9.85E-05	1.55E-08	6.09E-09	1.06E-04	1.67E-08	5.15E-08	1.67E-04	2.63E-08	1.03E-08
3307	484863.09, 3847877.25	9.52E-05	1.50E-08	5.89E-09	1.03E-04	1.62E-08	4.98E-08	1.62E-04	2.54E-08	1.00E-08
3308	485363.09, 3847877.25	9.38E-05	1.48E-08	5.80E-09	1.01E-04	1.59E-08	4.91E-08	1.59E-04	2.51E-08	9.85E-09
3309	485863.09, 3847877.25	9.24E-05	1.46E-08	5.72E-09	9.96E-05	1.57E-08	4.83E-08	1.57E-04	2.47E-08	9.69E-09
3310	486363.09, 3847877.25	8.63E-05	1.36E-08	5.34E-09	9.30E-05	1.47E-08	4.51E-08	1.47E-04	2.31E-08	9.07E-09
3311	486863.09, 3847877.25	8.15E-05	1.28E-08	5.04E-09	8.79E-05	1.38E-08	4.26E-08	1.39E-04	2.18E-08	8.57E-09
3312	487363.09, 3847877.25	7.91E-05	1.25E-08	4.89E-09	8.53E-05	1.34E-08	4.14E-08	1.35E-04	2.12E-08	8.33E-09
3313	487863.09, 3847877.25	7.60E-05	1.20E-08	4.71E-09	8.21E-05	1.29E-08	3.98E-08	1.30E-04	2.05E-08	8.05E-09
3314	488363.09, 3847877.25	7.60E-05	1.20E-08	4.70E-09	8.20E-05	1.29E-08	3.98E-08	1.30E-04	2.05E-08	8.07E-09
3315	488863.09, 3847877.25	7.73E-05	1.22E-08	4.78E-09	8.34E-05	1.31E-08	4.05E-08	1.33E-04	2.09E-08	8.20E-09
3316	489363.09, 3847877.25	7.92E-05	1.25E-08	4.90E-09	8.56E-05	1.35E-08	4.15E-08	1.36E-04	2.14E-08	8.42E-09
3317	489863.09, 3847877.25	8.33E-05	1.31E-08	5.16E-09	9.00E-05	1.42E-08	4.37E-08	1.43E-04	2.25E-08	8.86E-09
3318	490363.09, 3847877.25	8.50E-05	1.34E-08	5.26E-09	9.18E-05	1.45E-08	4.45E-08	1.46E-04	2.30E-08	9.05E-09
3319	490863.09, 3847877.25	8.54E-05	1.35E-08	5.28E-09	9.22E-05	1.45E-08	4.47E-08	1.47E-04	2.32E-08	9.10E-09
3320	491363.09, 3847877.25	8.45E-05	1.33E-08	5.23E-09	9.13E-05	1.44E-08	4.43E-08	1.46E-04	2.30E-08	9.03E-09
3321	491863.09, 3847877.25	8.77E-05	1.38E-08	5.43E-09	9.48E-05	1.49E-08	4.60E-08	1.51E-04	2.39E-08	9.37E-09
3322	492363.09, 3847877.25	9.25E-05	1.46E-08	5.72E-09	9.99E-05	1.57E-08	4.85E-08	1.60E-04	2.52E-08	9.89E-09
3323	492863.09, 3847877.25	9.68E-05	1.53E-08	5.99E-09	1.05E-04	1.65E-08	5.08E-08	1.67E-04	2.64E-08	1.04E-08
3324	493363.09, 3847877.25	9.78E-05	1.54E-08	6.05E-09	1.06E-04	1.67E-08	5.13E-08	1.69E-04	2.67E-08	1.05E-08

3325	493863.09, 3847877.25	1.01E-04	1.58E-08	6.23E-09	1.09E-04	1.71E-08	5.28E-08	1.74E-04	2.75E-08	1.08E-08
3326	494363.09, 3847877.25	1.06E-04	1.66E-08	6.53E-09	1.14E-04	1.80E-08	5.53E-08	1.83E-04	2.88E-08	1.13E-08
3327	494863.09, 3847877.25	1.12E-04	1.76E-08	6.91E-09	1.21E-04	1.90E-08	5.86E-08	1.94E-04	3.05E-08	1.20E-08
3328	495363.09, 3847877.25	1.16E-04	1.82E-08	7.17E-09	1.25E-04	1.97E-08	6.07E-08	2.01E-04	3.16E-08	1.24E-08
3329	495863.09, 3847877.25	1.12E-04	1.76E-08	6.92E-09	1.21E-04	1.90E-08	5.87E-08	1.94E-04	3.06E-08	1.20E-08
3330	496363.09, 3847877.25	1.31E-04	2.07E-08	8.11E-09	1.42E-04	2.23E-08	6.88E-08	2.27E-04	3.58E-08	1.41E-08
3331	496863.09, 3847877.25	1.42E-04	2.24E-08	8.79E-09	1.54E-04	2.42E-08	7.45E-08	2.46E-04	3.87E-08	1.52E-08
3332	497363.09, 3847877.25	1.57E-04	2.48E-08	9.74E-09	1.70E-04	2.68E-08	8.25E-08	2.72E-04	4.29E-08	1.69E-08
3333	497863.09, 3847877.25	1.83E-04	2.89E-08	1.13E-08	1.98E-04	3.12E-08	9.61E-08	3.17E-04	4.99E-08	1.96E-08
3334	498363.09, 3847877.25	1.98E-04	3.12E-08	1.23E-08	2.14E-04	3.37E-08	1.04E-07	3.43E-04	5.40E-08	2.12E-08
3335	471363.09, 3848377.25	2.87E-04	4.51E-08	1.77E-08	3.09E-04	4.87E-08	1.50E-07	4.90E-04	7.72E-08	3.03E-08
3336	471863.09, 3848377.25	2.94E-04	4.63E-08	1.82E-08	3.17E-04	5.00E-08	1.54E-07	5.03E-04	7.93E-08	3.11E-08
3337	472363.09, 3848377.25	2.99E-04	4.71E-08	1.85E-08	3.22E-04	5.08E-08	1.56E-07	5.11E-04	8.05E-08	3.16E-08
3338	472863.09, 3848377.25	3.04E-04	4.79E-08	1.88E-08	3.28E-04	5.17E-08	1.59E-07	5.19E-04	8.18E-08	3.21E-08
3339	473363.09, 3848377.25	3.05E-04	4.81E-08	1.89E-08	3.29E-04	5.19E-08	1.60E-07	5.20E-04	8.20E-08	3.22E-08
3340	473863.09, 3848377.25	3.07E-04	4.84E-08	1.90E-08	3.31E-04	5.21E-08	1.61E-07	5.22E-04	8.22E-08	3.23E-08
3341	474363.09, 3848377.25	2.96E-04	4.67E-08	1.83E-08	3.20E-04	5.03E-08	1.55E-07	5.04E-04	7.94E-08	3.12E-08
3342	474863.09, 3848377.25	2.54E-04	3.99E-08	1.57E-08	2.73E-04	4.31E-08	1.33E-07	4.32E-04	6.80E-08	2.67E-08
3343	475363.09, 3848377.25	2.59E-04	4.08E-08	1.60E-08	2.80E-04	4.40E-08	1.36E-07	4.41E-04	6.95E-08	2.73E-08
3344	475863.09, 3848377.25	2.27E-04	3.57E-08	1.40E-08	2.44E-04	3.85E-08	1.19E-07	3.85E-04	6.07E-08	2.39E-08
3345	476363.09, 3848377.25	2.22E-04	3.50E-08	1.38E-08	2.40E-04	3.78E-08	1.16E-07	3.79E-04	5.96E-08	2.34E-08
3346	476863.09, 3848377.25	3.54E-04	5.58E-08	2.19E-08	3.82E-04	6.02E-08	1.85E-07	6.03E-04	9.50E-08	3.73E-08
3347	477363.09, 3848377.25	4.05E-04	6.38E-08	2.51E-08	4.37E-04	6.89E-08	2.12E-07	6.92E-04	1.09E-07	4.28E-08
3348	477863.09, 3848377.25	4.06E-04	6.39E-08	2.51E-08	4.38E-04	6.90E-08	2.12E-07	6.93E-04	1.09E-07	4.29E-08
3349	478363.09, 3848377.25	3.44E-04	5.42E-08	2.13E-08	3.71E-04	5.85E-08	1.80E-07	5.87E-04	9.25E-08	3.63E-08
3350	478863.09, 3848377.25	2.79E-04	4.39E-08	1.73E-08	3.01E-04	4.74E-08	1.46E-07	4.75E-04	7.48E-08	2.94E-08
3351	479363.09, 3848377.25	1.92E-04	3.02E-08	1.19E-08	2.07E-04	3.26E-08	1.00E-07	3.26E-04	5.14E-08	2.02E-08
3352	479863.09, 3848377.25	8.59E-05	1.35E-08	5.32E-09	9.28E-05	1.46E-08	4.50E-08	1.48E-04	2.33E-08	9.15E-09
3353	480363.09, 3848377.25	1.10E-04	1.73E-08	6.81E-09	1.19E-04	1.87E-08	5.76E-08	1.88E-04	2.96E-08	1.16E-08
3354	480863.09, 3848377.25	1.40E-04	2.21E-08	8.69E-09	1.51E-04	2.39E-08	7.35E-08	2.39E-04	3.76E-08	1.48E-08
3355	481363.09, 3848377.25	1.40E-04	2.21E-08	8.68E-09	1.51E-04	2.38E-08	7.34E-08	2.38E-04	3.76E-08	1.48E-08
3356	481863.09, 3848377.25	1.44E-04	2.26E-08	8.89E-09	1.55E-04	2.44E-08	7.51E-08	2.44E-04	3.84E-08	1.51E-08
3357	482363.09, 3848377.25	1.43E-04	2.25E-08	8.83E-09	1.54E-04	2.42E-08	7.47E-08	2.42E-04	3.82E-08	1.50E-08
3358	482863.09, 3848377.25	1.25E-04	1.96E-08	7.71E-09	1.34E-04	2.12E-08	6.52E-08	2.11E-04	3.32E-08	1.31E-08
3359	483363.09, 3848377.25	1.20E-04	1.89E-08	7.42E-09	1.29E-04	2.04E-08	6.27E-08	2.03E-04	3.20E-08	1.26E-08
3360	483863.09, 3848377.25	1.11E-04	1.75E-08	6.86E-09	1.20E-04	1.88E-08	5.80E-08	1.88E-04	2.96E-08	1.16E-08
3361	484363.09, 3848377.25	1.07E-04	1.69E-08	6.64E-09	1.16E-04	1.82E-08	5.61E-08	1.82E-04	2.86E-08	1.12E-08
3362	484863.09, 3848377.25	1.13E-04	1.78E-08	6.97E-09	1.21E-04	1.91E-08	5.89E-08	1.91E-04	3.01E-08	1.18E-08
3363	485363.09, 3848377.25	1.08E-04	1.71E-08	6.71E-09	1.17E-04	1.84E-08	5.67E-08	1.84E-04	2.90E-08	1.14E-08
3364	485863.09, 3848377.25	1.06E-04	1.66E-08	6.54E-09	1.14E-04	1.79E-08	5.53E-08	1.79E-04	2.82E-08	1.11E-08
3365	486363.09, 3848377.25	1.00E-04	1.58E-08	6.19E-09	1.08E-04	1.70E-08	5.23E-08	1.70E-04	2.67E-08	1.05E-08
3366	486863.09, 3848377.25	9.36E-05	1.47E-08	5.79E-09	1.01E-04	1.59E-08	4.90E-08	1.59E-04	2.51E-08	9.84E-09
3367	487363.09, 3848377.25	8.78E-05	1.38E-08	5.43E-09	9.47E-05	1.49E-08	4.59E-08	1.50E-04	2.36E-08	9.26E-09
3368	487863.09, 3848377.25	8.79E-05	1.38E-08	5.44E-09	9.48E-05	1.49E-08	4.60E-08	1.50E-04	2.37E-08	9.30E-09
3369	488363.09, 3848377.25	8.84E-05	1.39E-08	5.47E-09	9.54E-05	1.50E-08	4.63E-08	1.51E-04	2.39E-08	9.38E-09
3370	488863.09, 3848377.25	9.04E-05	1.42E-08	5.59E-09	9.76E-05	1.54E-08	4.73E-08	1.55E-04	2.44E-08	9.59E-09
3371	489363.09, 3848377.25	9.34E-05	1.47E-08	5.78E-09	1.01E-04	1.59E-08	4.89E-08	1.60E-04	2.52E-08	9.91E-09
3372	489863.09, 3848377.25	1.00E-04	1.57E-08	6.19E-09	1.08E-04	1.70E-08	5.24E-08	1.71E-04	2.70E-08	1.06E-08
3373	490363.09, 3848377.25	1.01E-04	1.60E-08	6.27E-09	1.09E-04	1.72E-08	5.31E-08	1.74E-04	2.74E-08	1.08E-08
3374	490863.09, 3848377.25	1.00E-04	1.58E-08	6.22E-09	1.08E-04	1.71E-08	5.26E-08	1.73E-04	2.72E-08	1.07E-08
3375	491363.09, 3848377.25	1.03E-04	1.62E-08	6.34E-09	1.11E-04	1.74E-08	5.37E-08	1.77E-04	2.78E-08	1.09E-08
3376	491863.09, 3848377.25	1.06E-04	1.66E-08	6.53E-09	1.14E-04	1.80E-08	5.53E-08	1.82E-04	2.87E-08	1.13E-08
3377	492363.09, 3848377.25	1.06E-04	1.67E-08	6.56E-09	1.15E-04	1.80E-08	5.56E-08	1.83E-04	2.89E-08	1.13E-08
3378	492863.09, 3848377.25	1.06E-04	1.66E-08	6.54E-09	1.14E-04	1.80E-08	5.54E-08	1.83E-04	2.88E-08	1.13E-08
3379	493363.09, 3848377.25	1.09E-04	1.72E-08	6.77E-09	1.18E-04	1.86E-08	5.74E-08	1.90E-04	2.99E-08	1.17E-08
3380	493863.09, 3848377.25	1.14E-04	1.80E-08	7.05E-09	1.23E-04	1.94E-08	5.98E-08	1.98E-04	3.11E-08	1.22E-08
3381	494363.09, 3848377.25	1.18E-04	1.86E-08	7.29E-09	1.27E-04	2.01E-08	6.18E-08	2.04E-04	3.21E-08	1.26E-08
3382	494863.09, 3848377.25	1.25E-04	1.98E-08	7.77E-09	1.36E-04	2.14E-08	6.58E-08	2.18E-04	3.43E-08	1.35E-08
3383	495363.09, 3848377.25	1.25E-04	1.97E-08	7.76E-09	1.35E-04	2.13E-08	6.57E-08	2.17E-04	3.42E-08	1.35E-08
3384	495863.09, 3848377.25	1.31E-04	2.06E-08	8.09E-09	1.41E-04	2.23E-08	6.85E-08	2.27E-04	3.57E-08	1.40E-08
3385	496363.09, 3848377.25	1.44E-04	2.26E-08	8.90E-09	1.55E-04	2.45E-08	7.54E-08	2.49E-04	3.92E-08	1.54E-08
3386	496863.09, 3848377.25	1.48E-04	2.33E-08	9.15E-09	1.60E-04	2.52E-08	7.75E-08	2.56E-04	4.03E-08	1.58E-08
3387	497363.09, 3848377.25	1.68E-04	2.64E-08	1.04E-08	1.81E-04	2.86E-08	8.80E-08	2.91E-04	4.58E-08	1.80E-08
3388	497863.09, 3848377.25	2.20E-04	3.46E-08	1.36E-08	2.37E-04	3.74E-08	1.15E-07	3.80E-04	5.98E-08	2.35E-08

3389	498363.09, 3848377.25	2.32E-04	3.66E-08	1.44E-08	2.51E-04	3.95E-08	1.22E-07	4.01E-04	6.32E-08	2.48E-08
3390	471363.09, 3848877.25	2.88E-04	4.54E-08	1.78E-08	3.11E-04	4.90E-08	1.51E-07	4.92E-04	7.75E-08	3.05E-08
3391	471863.09, 3848877.25	3.09E-04	4.86E-08	1.91E-08	3.33E-04	5.25E-08	1.62E-07	5.27E-04	8.31E-08	3.26E-08
3392	472363.09, 3848877.25	3.22E-04	5.08E-08	2.00E-08	3.48E-04	5.48E-08	1.69E-07	5.51E-04	8.68E-08	3.41E-08
3393	472863.09, 3848877.25	3.31E-04	5.22E-08	2.05E-08	3.57E-04	5.63E-08	1.73E-07	5.66E-04	8.92E-08	3.51E-08
3394	473363.09, 3848877.25	3.40E-04	5.35E-08	2.10E-08	3.66E-04	5.77E-08	1.78E-07	5.80E-04	9.14E-08	3.59E-08
3395	473863.09, 3848877.25	3.42E-04	5.39E-08	2.12E-08	3.69E-04	5.81E-08	1.79E-07	5.84E-04	9.19E-08	3.61E-08
3396	474363.09, 3848877.25	3.46E-04	5.45E-08	2.14E-08	3.73E-04	5.88E-08	1.81E-07	5.89E-04	9.28E-08	3.65E-08
3397	474863.09, 3848877.25	3.27E-04	5.15E-08	2.02E-08	3.53E-04	5.56E-08	1.71E-07	5.56E-04	8.77E-08	3.44E-08
3398	475363.09, 3848877.25	3.11E-04	4.90E-08	1.93E-08	3.36E-04	5.29E-08	1.63E-07	5.29E-04	8.34E-08	3.28E-08
3399	475863.09, 3848877.25	3.07E-04	4.83E-08	1.90E-08	3.31E-04	5.21E-08	1.61E-07	5.21E-04	8.21E-08	3.23E-08
3400	476363.09, 3848877.25	2.77E-04	4.36E-08	1.71E-08	2.98E-04	4.70E-08	1.45E-07	4.70E-04	7.40E-08	2.91E-08
3401	476863.09, 3848877.25	2.78E-04	4.39E-08	1.72E-08	3.00E-04	4.73E-08	1.46E-07	4.73E-04	7.46E-08	2.93E-08
3402	477363.09, 3848877.25	4.21E-04	6.63E-08	2.60E-08	4.54E-04	7.15E-08	2.20E-07	7.16E-04	1.13E-07	4.43E-08
3403	477863.09, 3848877.25	4.76E-04	7.50E-08	2.95E-08	5.14E-04	8.09E-08	2.49E-07	8.13E-04	1.28E-07	5.03E-08
3404	478363.09, 3848877.25	4.70E-04	7.40E-08	2.91E-08	5.07E-04	7.98E-08	2.46E-07	8.03E-04	1.26E-07	4.97E-08
3405	478863.09, 3848877.25	3.77E-04	5.94E-08	2.33E-08	4.07E-04	6.41E-08	1.97E-07	6.43E-04	1.01E-07	3.98E-08
3406	479363.09, 3848877.25	2.84E-04	4.47E-08	1.76E-08	3.06E-04	4.82E-08	1.48E-07	4.83E-04	7.61E-08	2.99E-08
3407	479863.09, 3848877.25	2.11E-04	3.33E-08	1.31E-08	2.28E-04	3.59E-08	1.11E-07	3.60E-04	5.67E-08	2.23E-08
3408	480363.09, 3848877.25	2.15E-04	3.39E-08	1.33E-08	2.32E-04	3.65E-08	1.12E-07	3.65E-04	5.75E-08	2.26E-08
3409	480863.09, 3848877.25	2.12E-04	3.35E-08	1.31E-08	2.29E-04	3.61E-08	1.11E-07	3.60E-04	5.67E-08	2.23E-08
3410	481363.09, 3848877.25	1.96E-04	3.09E-08	1.21E-08	2.11E-04	3.33E-08	1.03E-07	3.33E-04	5.25E-08	2.06E-08
3411	481863.09, 3848877.25	1.69E-04	2.66E-08	1.04E-08	1.82E-04	2.86E-08	8.82E-08	2.86E-04	4.50E-08	1.77E-08
3412	482363.09, 3848877.25	1.44E-04	2.26E-08	8.88E-09	1.55E-04	2.44E-08	7.51E-08	2.44E-04	3.84E-08	1.51E-08
3413	482863.09, 3848877.25	1.24E-04	1.95E-08	7.67E-09	1.34E-04	2.11E-08	6.49E-08	2.10E-04	3.31E-08	1.30E-08
3414	483363.09, 3848877.25	1.12E-04	1.76E-08	6.90E-09	1.20E-04	1.89E-08	5.83E-08	1.90E-04	2.99E-08	1.17E-08
3415	483863.09, 3848877.25	1.09E-04	1.71E-08	6.72E-09	1.17E-04	1.84E-08	5.68E-08	1.85E-04	2.91E-08	1.14E-08
3416	484363.09, 3848877.25	1.21E-04	1.90E-08	7.46E-09	1.30E-04	2.05E-08	6.31E-08	2.04E-04	3.22E-08	1.26E-08
3417	484863.09, 3848877.25	1.33E-04	2.10E-08	8.24E-09	1.44E-04	2.26E-08	6.96E-08	2.26E-04	3.55E-08	1.40E-08
3418	485363.09, 3848877.25	1.27E-04	2.00E-08	7.87E-09	1.37E-04	2.16E-08	6.65E-08	2.15E-04	3.39E-08	1.33E-08
3419	485863.09, 3848877.25	1.22E-04	1.93E-08	7.57E-09	1.32E-04	2.08E-08	6.40E-08	2.07E-04	3.26E-08	1.28E-08
3420	486363.09, 3848877.25	1.13E-04	1.77E-08	6.97E-09	1.21E-04	1.91E-08	5.89E-08	1.91E-04	3.01E-08	1.18E-08
3421	486863.09, 3848877.25	1.04E-04	1.63E-08	6.42E-09	1.12E-04	1.76E-08	5.43E-08	1.76E-04	2.78E-08	1.09E-08
3422	487363.09, 3848877.25	1.04E-04	1.64E-08	6.46E-09	1.13E-04	1.77E-08	5.46E-08	1.78E-04	2.80E-08	1.10E-08
3423	487863.09, 3848877.25	1.04E-04	1.63E-08	6.41E-09	1.12E-04	1.76E-08	5.43E-08	1.77E-04	2.79E-08	1.10E-08
3424	488363.09, 3848877.25	1.06E-04	1.66E-08	6.54E-09	1.14E-04	1.80E-08	5.53E-08	1.81E-04	2.85E-08	1.12E-08
3425	488863.09, 3848877.25	1.07E-04	1.69E-08	6.64E-09	1.16E-04	1.82E-08	5.62E-08	1.84E-04	2.90E-08	1.14E-08
3426	489363.09, 3848877.25	1.12E-04	1.77E-08	6.94E-09	1.21E-04	1.91E-08	5.88E-08	1.92E-04	3.03E-08	1.19E-08
3427	489863.09, 3848877.25	1.18E-04	1.86E-08	7.30E-09	1.27E-04	2.01E-08	6.18E-08	2.02E-04	3.19E-08	1.25E-08
3428	490363.09, 3848877.25	1.18E-04	1.86E-08	7.30E-09	1.27E-04	2.01E-08	6.18E-08	2.03E-04	3.19E-08	1.25E-08
3429	490863.09, 3848877.25	1.18E-04	1.86E-08	7.31E-09	1.28E-04	2.01E-08	6.19E-08	2.04E-04	3.21E-08	1.26E-08
3430	491363.09, 3848877.25	1.22E-04	1.92E-08	7.56E-09	1.32E-04	2.08E-08	6.40E-08	2.11E-04	3.32E-08	1.31E-08
3431	491863.09, 3848877.25	1.22E-04	1.92E-08	7.55E-09	1.32E-04	2.08E-08	6.40E-08	2.11E-04	3.32E-08	1.31E-08
3432	492363.09, 3848877.25	1.22E-04	1.92E-08	7.53E-09	1.32E-04	2.07E-08	6.38E-08	2.11E-04	3.32E-08	1.30E-08
3433	492863.09, 3848877.25	1.20E-04	1.88E-08	7.40E-09	1.29E-04	2.04E-08	6.27E-08	2.07E-04	3.27E-08	1.28E-08
3434	493363.09, 3848877.25	1.18E-04	1.86E-08	7.31E-09	1.28E-04	2.01E-08	6.20E-08	2.05E-04	3.23E-08	1.27E-08
3435	493863.09, 3848877.25	1.26E-04	1.99E-08	7.83E-09	1.37E-04	2.15E-08	6.63E-08	2.19E-04	3.46E-08	1.36E-08
3436	494363.09, 3848877.25	1.33E-04	2.09E-08	8.22E-09	1.44E-04	2.26E-08	6.97E-08	2.31E-04	3.63E-08	1.43E-08
3437	494863.09, 3848877.25	1.44E-04	2.26E-08	8.90E-09	1.55E-04	2.45E-08	7.54E-08	2.49E-04	3.93E-08	1.54E-08
3438	495363.09, 3848877.25	1.53E-04	2.40E-08	9.44E-09	1.65E-04	2.60E-08	8.00E-08	2.64E-04	4.17E-08	1.64E-08
3439	495863.09, 3848877.25	1.50E-04	2.36E-08	9.26E-09	1.62E-04	2.55E-08	7.85E-08	2.59E-04	4.09E-08	1.61E-08
3440	496363.09, 3848877.25	1.58E-04	2.49E-08	9.80E-09	1.71E-04	2.70E-08	8.31E-08	2.74E-04	4.32E-08	1.70E-08
3441	496863.09, 3848877.25	1.79E-04	2.83E-08	1.11E-08	1.94E-04	3.05E-08	9.40E-08	3.10E-04	4.89E-08	1.92E-08
3442	497363.09, 3848877.25	2.24E-04	3.53E-08	1.39E-08	2.42E-04	3.82E-08	1.18E-07	3.88E-04	6.11E-08	2.40E-08
3443	497863.09, 3848877.25	2.51E-04	3.95E-08	1.55E-08	2.71E-04	4.27E-08	1.31E-07	4.33E-04	6.83E-08	2.68E-08
3444	498363.09, 3848877.25	2.74E-04	4.31E-08	1.69E-08	2.96E-04	4.66E-08	1.44E-07	4.73E-04	7.45E-08	2.93E-08
3445	471363.09, 3849377.25	2.71E-04	4.27E-08	1.68E-08	2.93E-04	4.61E-08	1.42E-07	4.62E-04	7.29E-08	2.86E-08
3446	471863.09, 3849377.25	3.04E-04	4.80E-08	1.88E-08	3.28E-04	5.17E-08	1.59E-07	5.19E-04	8.18E-08	3.21E-08
3447	472363.09, 3849377.25	3.29E-04	5.18E-08	2.04E-08	3.55E-04	5.59E-08	1.72E-07	5.61E-04	8.84E-08	3.47E-08
3448	472863.09, 3849377.25	3.50E-04	5.52E-08	2.17E-08	3.78E-04	5.95E-08	1.83E-07	5.98E-04	9.42E-08	3.70E-08
3449	473363.09, 3849377.25	3.66E-04	5.77E-08	2.27E-08	3.95E-04	6.22E-08	1.92E-07	6.26E-04	9.86E-08	3.87E-08
3450	473863.09, 3849377.25	3.78E-04	5.95E-08	2.34E-08	4.07E-04	6.42E-08	1.98E-07	6.46E-04	1.02E-07	4.00E-08
3451	474363.09, 3849377.25	3.85E-04	6.06E-08	2.38E-08	4.15E-04	6.54E-08	2.01E-07	6.57E-04	1.03E-07	4.06E-08
3452	474863.09, 3849377.25	3.90E-04	6.15E-08	2.41E-08	4.21E-04	6.63E-08	2.04E-07	6.65E-04	1.05E-07	4.11E-08

3453	475363.09, 3849377.25	3.88E-04	6.12E-08	2.40E-08	4.19E-04	6.60E-08	2.03E-07	6.60E-04	1.04E-07	4.09E-08
3454	475863.09, 3849377.25	3.89E-04	6.13E-08	2.41E-08	4.20E-04	6.61E-08	2.04E-07	6.60E-04	1.04E-07	4.09E-08
3455	476363.09, 3849377.25	3.79E-04	5.97E-08	2.35E-08	4.08E-04	6.43E-08	1.98E-07	6.42E-04	1.01E-07	3.97E-08
3456	476863.09, 3849377.25	3.52E-04	5.55E-08	2.18E-08	3.80E-04	5.98E-08	1.84E-07	5.97E-04	9.41E-08	3.70E-08
3457	477363.09, 3849377.25	3.62E-04	5.71E-08	2.24E-08	3.91E-04	6.15E-08	1.90E-07	6.15E-04	9.68E-08	3.80E-08
3458	477863.09, 3849377.25	4.57E-04	7.20E-08	2.83E-08	4.93E-04	7.77E-08	2.39E-07	7.79E-04	1.23E-07	4.82E-08
3459	478363.09, 3849377.25	5.54E-04	8.73E-08	3.43E-08	5.98E-04	9.42E-08	2.90E-07	9.47E-04	1.49E-07	5.86E-08
3460	478863.09, 3849377.25	5.00E-04	7.88E-08	3.10E-08	5.40E-04	8.51E-08	2.62E-07	8.55E-04	1.35E-07	5.29E-08
3461	479363.09, 3849377.25	4.17E-04	6.57E-08	2.58E-08	4.50E-04	7.09E-08	2.18E-07	7.11E-04	1.12E-07	4.40E-08
3462	479863.09, 3849377.25	3.02E-04	4.75E-08	1.87E-08	3.25E-04	5.12E-08	1.58E-07	5.13E-04	8.08E-08	3.17E-08
3463	480363.09, 3849377.25	3.23E-04	5.09E-08	2.00E-08	3.49E-04	5.49E-08	1.69E-07	5.48E-04	8.64E-08	3.39E-08
3464	480863.09, 3849377.25	2.88E-04	4.54E-08	1.78E-08	3.10E-04	4.89E-08	1.51E-07	4.87E-04	7.67E-08	3.01E-08
3465	481363.09, 3849377.25	2.30E-04	3.62E-08	1.42E-08	2.48E-04	3.90E-08	1.20E-07	3.90E-04	6.15E-08	2.41E-08
3466	481863.09, 3849377.25	1.66E-04	2.62E-08	1.03E-08	1.79E-04	2.82E-08	8.69E-08	2.82E-04	4.45E-08	1.75E-08
3467	482363.09, 3849377.25	1.50E-04	2.36E-08	9.26E-09	1.61E-04	2.54E-08	7.83E-08	2.54E-04	4.01E-08	1.57E-08
3468	482863.09, 3849377.25	1.27E-04	2.00E-08	7.87E-09	1.37E-04	2.16E-08	6.65E-08	2.16E-04	3.41E-08	1.34E-08
3469	483363.09, 3849377.25	1.18E-04	1.86E-08	7.29E-09	1.27E-04	2.00E-08	6.17E-08	2.01E-04	3.16E-08	1.24E-08
3470	483863.09, 3849377.25	1.03E-04	1.63E-08	6.39E-09	1.11E-04	1.76E-08	5.41E-08	1.76E-04	2.77E-08	1.09E-08
3471	484363.09, 3849377.25	1.33E-04	2.10E-08	8.23E-09	1.43E-04	2.26E-08	6.96E-08	2.25E-04	3.55E-08	1.40E-08
3472	484863.09, 3849377.25	1.56E-04	2.45E-08	9.64E-09	1.68E-04	2.64E-08	8.14E-08	2.64E-04	4.15E-08	1.63E-08
3473	485363.09, 3849377.25	1.51E-04	2.37E-08	9.32E-09	1.62E-04	2.56E-08	7.87E-08	2.55E-04	4.01E-08	1.58E-08
3474	485863.09, 3849377.25	1.20E-04	1.89E-08	7.44E-09	1.30E-04	2.04E-08	6.29E-08	2.04E-04	3.21E-08	1.26E-08
3475	486363.09, 3849377.25	1.05E-04	1.65E-08	6.47E-09	1.13E-04	1.78E-08	5.47E-08	1.78E-04	2.81E-08	1.10E-08
3476	486863.09, 3849377.25	1.20E-04	1.89E-08	7.41E-09	1.29E-04	2.03E-08	6.26E-08	2.04E-04	3.21E-08	1.26E-08
3477	487363.09, 3849377.25	1.25E-04	1.97E-08	7.75E-09	1.35E-04	2.13E-08	6.56E-08	2.14E-04	3.37E-08	1.32E-08
3478	487863.09, 3849377.25	1.25E-04	1.97E-08	7.73E-09	1.35E-04	2.12E-08	6.54E-08	2.14E-04	3.36E-08	1.32E-08
3479	488363.09, 3849377.25	1.27E-04	2.00E-08	7.86E-09	1.37E-04	2.16E-08	6.65E-08	2.17E-04	3.42E-08	1.34E-08
3480	488863.09, 3849377.25	1.32E-04	2.08E-08	8.17E-09	1.42E-04	2.24E-08	6.91E-08	2.26E-04	3.56E-08	1.40E-08
3481	489363.09, 3849377.25	1.37E-04	2.16E-08	8.48E-09	1.48E-04	2.33E-08	7.18E-08	2.35E-04	3.70E-08	1.45E-08
3482	489863.09, 3849377.25	1.41E-04	2.22E-08	8.73E-09	1.52E-04	2.40E-08	7.39E-08	2.42E-04	3.81E-08	1.50E-08
3483	490363.09, 3849377.25	1.41E-04	2.22E-08	8.74E-09	1.53E-04	2.40E-08	7.40E-08	2.43E-04	3.83E-08	1.50E-08
3484	490863.09, 3849377.25	1.44E-04	2.26E-08	8.89E-09	1.55E-04	2.44E-08	7.53E-08	2.48E-04	3.90E-08	1.53E-08
3485	491363.09, 3849377.25	1.49E-04	2.34E-08	9.21E-09	1.61E-04	2.53E-08	7.80E-08	2.57E-04	4.05E-08	1.59E-08
3486	491863.09, 3849377.25	1.49E-04	2.34E-08	9.20E-09	1.61E-04	2.53E-08	7.80E-08	2.57E-04	4.05E-08	1.59E-08
3487	492363.09, 3849377.25	1.49E-04	2.35E-08	9.23E-09	1.61E-04	2.54E-08	7.82E-08	2.58E-04	4.07E-08	1.60E-08
3488	492863.09, 3849377.25	1.42E-04	2.24E-08	8.82E-09	1.54E-04	2.43E-08	7.47E-08	2.47E-04	3.89E-08	1.53E-08
3489	493363.09, 3849377.25	1.45E-04	2.29E-08	9.00E-09	1.57E-04	2.48E-08	7.63E-08	2.52E-04	3.97E-08	1.56E-08
3490	493863.09, 3849377.25	1.51E-04	2.39E-08	9.37E-09	1.64E-04	2.58E-08	7.94E-08	2.63E-04	4.14E-08	1.63E-08
3491	494363.09, 3849377.25	1.63E-04	2.57E-08	1.01E-08	1.76E-04	2.78E-08	8.55E-08	2.83E-04	4.45E-08	1.75E-08
3492	494863.09, 3849377.25	1.89E-04	2.97E-08	1.17E-08	2.04E-04	3.21E-08	9.89E-08	3.27E-04	5.15E-08	2.02E-08
3493	495363.09, 3849377.25	2.04E-04	3.21E-08	1.26E-08	2.20E-04	3.47E-08	1.07E-07	3.53E-04	5.56E-08	2.18E-08
3494	495863.09, 3849377.25	1.77E-04	2.79E-08	1.09E-08	1.91E-04	3.01E-08	9.28E-08	3.07E-04	4.83E-08	1.90E-08
3495	496363.09, 3849377.25	1.79E-04	2.82E-08	1.11E-08	1.94E-04	3.05E-08	9.40E-08	3.11E-04	4.90E-08	1.92E-08
3496	496863.09, 3849377.25	2.34E-04	3.68E-08	1.45E-08	2.52E-04	3.97E-08	1.22E-07	4.04E-04	6.36E-08	2.50E-08
3497	497363.09, 3849377.25	2.59E-04	4.08E-08	1.60E-08	2.80E-04	4.41E-08	1.36E-07	4.48E-04	7.06E-08	2.77E-08
3498	497863.09, 3849377.25	3.29E-04	5.19E-08	2.04E-08	3.56E-04	5.60E-08	1.73E-07	5.68E-04	8.95E-08	3.52E-08
3499	498363.09, 3849377.25	3.27E-04	5.15E-08	2.02E-08	3.53E-04	5.57E-08	1.71E-07	5.65E-04	8.89E-08	3.49E-08
3500	471363.09, 3849877.25	2.30E-04	3.62E-08	1.42E-08	2.48E-04	3.91E-08	1.20E-07	3.93E-04	6.20E-08	2.43E-08
3501	471863.09, 3849877.25	2.74E-04	4.32E-08	1.70E-08	2.96E-04	4.66E-08	1.43E-07	4.68E-04	7.37E-08	2.89E-08
3502	472363.09, 3849877.25	3.17E-04	4.99E-08	1.96E-08	3.41E-04	5.38E-08	1.66E-07	5.39E-04	8.50E-08	3.34E-08
3503	472863.09, 3849877.25	3.50E-04	5.51E-08	2.16E-08	3.77E-04	5.94E-08	1.83E-07	5.96E-04	9.39E-08	3.69E-08
3504	473363.09, 3849877.25	3.75E-04	5.90E-08	2.32E-08	4.04E-04	6.37E-08	1.96E-07	6.39E-04	1.01E-07	3.96E-08
3505	473863.09, 3849877.25	4.00E-04	6.31E-08	2.48E-08	4.32E-04	6.81E-08	2.10E-07	6.84E-04	1.08E-07	4.23E-08
3506	474363.09, 3849877.25	4.21E-04	6.63E-08	2.61E-08	4.54E-04	7.16E-08	2.20E-07	7.20E-04	1.13E-07	4.45E-08
3507	474863.09, 3849877.25	4.34E-04	6.84E-08	2.69E-08	4.68E-04	7.38E-08	2.27E-07	7.42E-04	1.17E-07	4.59E-08
3508	475363.09, 3849877.25	4.39E-04	6.91E-08	2.71E-08	4.73E-04	7.45E-08	2.30E-07	7.49E-04	1.18E-07	4.63E-08
3509	475863.09, 3849877.25	4.43E-04	6.99E-08	2.74E-08	4.78E-04	7.53E-08	2.32E-07	7.55E-04	1.19E-07	4.67E-08
3510	476363.09, 3849877.25	4.45E-04	7.01E-08	2.75E-08	4.80E-04	7.56E-08	2.33E-07	7.55E-04	1.19E-07	4.67E-08
3511	476863.09, 3849877.25	4.42E-04	6.97E-08	2.74E-08	4.77E-04	7.51E-08	2.31E-07	7.49E-04	1.18E-07	4.63E-08
3512	477363.09, 3849877.25	4.28E-04	6.74E-08	2.65E-08	4.61E-04	7.26E-08	2.24E-07	7.22E-04	1.14E-07	4.47E-08
3513	477863.09, 3849877.25	4.38E-04	6.90E-08	2.71E-08	4.72E-04	7.43E-08	2.29E-07	7.41E-04	1.17E-07	4.59E-08
3514	478363.09, 3849877.25	5.45E-04	8.59E-08	3.37E-08	5.88E-04	9.26E-08	2.85E-07	9.28E-04	1.46E-07	5.74E-08
3515	478863.09, 3849877.25	6.68E-04	1.05E-07	4.13E-08	7.21E-04	1.14E-07	3.50E-07	1.14E-03	1.80E-07	7.07E-08
3516	479363.09, 3849877.25	6.04E-04	9.51E-08	3.74E-08	6.51E-04	1.03E-07	3.16E-07	1.03E-03	1.62E-07	6.38E-08

3517	479863.09, 3849877.25	5.37E-04	8.45E-08	3.32E-08	5.79E-04	9.12E-08	2.81E-07	9.14E-04	1.44E-07	5.66E-08
3518	480363.09, 3849877.25	4.08E-04	6.43E-08	2.53E-08	4.40E-04	6.93E-08	2.13E-07	6.93E-04	1.09E-07	4.29E-08
3519	480863.09, 3849877.25	3.29E-04	5.18E-08	2.03E-08	3.54E-04	5.58E-08	1.72E-07	5.57E-04	8.78E-08	3.45E-08
3520	481363.09, 3849877.25	2.79E-04	4.39E-08	1.73E-08	3.01E-04	4.74E-08	1.46E-07	4.72E-04	7.44E-08	2.92E-08
3521	481863.09, 3849877.25	1.82E-04	2.86E-08	1.13E-08	1.96E-04	3.09E-08	9.51E-08	3.09E-04	4.87E-08	1.91E-08
3522	482363.09, 3849877.25	1.55E-04	2.44E-08	9.60E-09	1.67E-04	2.64E-08	8.12E-08	2.64E-04	4.16E-08	1.63E-08
3523	482863.09, 3849877.25	1.38E-04	2.17E-08	8.52E-09	1.49E-04	2.34E-08	7.21E-08	2.34E-04	3.69E-08	1.45E-08
3524	483363.09, 3849877.25	1.23E-04	1.94E-08	7.61E-09	1.33E-04	2.09E-08	6.43E-08	2.09E-04	3.30E-08	1.30E-08
3525	483863.09, 3849877.25	1.20E-04	1.89E-08	7.44E-09	1.30E-04	2.04E-08	6.29E-08	2.05E-04	3.22E-08	1.27E-08
3526	484363.09, 3849877.25	1.49E-04	2.34E-08	9.21E-09	1.60E-04	2.53E-08	7.78E-08	2.52E-04	3.98E-08	1.56E-08
3527	484863.09, 3849877.25	1.89E-04	2.98E-08	1.17E-08	2.04E-04	3.21E-08	9.90E-08	3.20E-04	5.05E-08	1.98E-08
3528	485363.09, 3849877.25	1.73E-04	2.72E-08	1.07E-08	1.86E-04	2.93E-08	9.03E-08	2.92E-04	4.60E-08	1.81E-08
3529	485863.09, 3849877.25	1.48E-04	2.33E-08	9.14E-09	1.59E-04	2.51E-08	7.73E-08	2.50E-04	3.94E-08	1.55E-08
3530	486363.09, 3849877.25	1.39E-04	2.20E-08	8.63E-09	1.50E-04	2.37E-08	7.29E-08	2.37E-04	3.74E-08	1.47E-08
3531	486863.09, 3849877.25	1.52E-04	2.39E-08	9.40E-09	1.64E-04	2.58E-08	7.95E-08	2.59E-04	4.08E-08	1.60E-08
3532	487363.09, 3849877.25	1.54E-04	2.42E-08	9.52E-09	1.66E-04	2.61E-08	8.05E-08	2.62E-04	4.13E-08	1.62E-08
3533	487863.09, 3849877.25	1.55E-04	2.44E-08	9.60E-09	1.67E-04	2.64E-08	8.12E-08	2.65E-04	4.18E-08	1.64E-08
3534	488363.09, 3849877.25	1.59E-04	2.51E-08	9.86E-09	1.72E-04	2.71E-08	8.34E-08	2.72E-04	4.29E-08	1.69E-08
3535	488863.09, 3849877.25	1.66E-04	2.62E-08	1.03E-08	1.79E-04	2.82E-08	8.70E-08	2.84E-04	4.48E-08	1.76E-08
3536	489363.09, 3849877.25	1.71E-04	2.70E-08	1.06E-08	1.85E-04	2.91E-08	8.97E-08	2.93E-04	4.62E-08	1.82E-08
3537	489863.09, 3849877.25	1.74E-04	2.75E-08	1.08E-08	1.88E-04	2.97E-08	9.14E-08	3.00E-04	4.73E-08	1.86E-08
3538	490363.09, 3849877.25	1.77E-04	2.78E-08	1.09E-08	1.91E-04	3.01E-08	9.26E-08	3.05E-04	4.80E-08	1.89E-08
3539	490863.09, 3849877.25	1.83E-04	2.88E-08	1.13E-08	1.98E-04	3.12E-08	9.60E-08	3.16E-04	4.98E-08	1.96E-08
3540	491363.09, 3849877.25	1.89E-04	2.98E-08	1.17E-08	2.04E-04	3.22E-08	9.91E-08	3.27E-04	5.14E-08	2.02E-08
3541	491863.09, 3849877.25	1.90E-04	2.99E-08	1.18E-08	2.05E-04	3.24E-08	9.97E-08	3.29E-04	5.18E-08	2.03E-08
3542	492363.09, 3849877.25	1.92E-04	3.02E-08	1.19E-08	2.08E-04	3.27E-08	1.01E-07	3.32E-04	5.24E-08	2.06E-08
3543	492863.09, 3849877.25	1.88E-04	2.96E-08	1.16E-08	2.03E-04	3.20E-08	9.85E-08	3.26E-04	5.13E-08	2.02E-08
3544	493363.09, 3849877.25	1.84E-04	2.90E-08	1.14E-08	1.99E-04	3.13E-08	9.65E-08	3.19E-04	5.03E-08	1.97E-08
3545	493863.09, 3849877.25	1.85E-04	2.92E-08	1.15E-08	2.00E-04	3.15E-08	9.71E-08	3.21E-04	5.06E-08	1.99E-08
3546	494363.09, 3849877.25	2.24E-04	3.52E-08	1.38E-08	2.42E-04	3.81E-08	1.17E-07	3.87E-04	6.10E-08	2.40E-08
3547	494863.09, 3849877.25	2.56E-04	4.03E-08	1.58E-08	2.76E-04	4.36E-08	1.34E-07	4.43E-04	6.97E-08	2.74E-08
3548	495363.09, 3849877.25	2.37E-04	3.74E-08	1.47E-08	2.56E-04	4.04E-08	1.24E-07	4.10E-04	6.46E-08	2.54E-08
3549	495863.09, 3849877.25	2.74E-04	4.32E-08	1.70E-08	2.97E-04	4.67E-08	1.44E-07	4.74E-04	7.47E-08	2.94E-08
3550	496363.09, 3849877.25	2.94E-04	4.63E-08	1.82E-08	3.17E-04	5.00E-08	1.54E-07	5.07E-04	7.99E-08	3.14E-08
3551	496863.09, 3849877.25	3.10E-04	4.88E-08	1.92E-08	3.35E-04	5.27E-08	1.62E-07	5.35E-04	8.43E-08	3.31E-08
3552	497363.09, 3849877.25	3.67E-04	5.78E-08	2.27E-08	3.97E-04	6.25E-08	1.92E-07	6.34E-04	9.98E-08	3.92E-08
3553	497863.09, 3849877.25	3.94E-04	6.21E-08	2.44E-08	4.26E-04	6.71E-08	2.07E-07	6.80E-04	1.07E-07	4.21E-08
3554	498363.09, 3849877.25	3.90E-04	6.14E-08	2.41E-08	4.21E-04	6.64E-08	2.04E-07	6.73E-04	1.06E-07	4.17E-08
3555	471363.09, 3850377.25	1.88E-04	2.96E-08	1.16E-08	2.03E-04	3.19E-08	9.83E-08	3.22E-04	5.08E-08	1.99E-08
3556	471863.09, 3850377.25	2.44E-04	3.84E-08	1.51E-08	2.63E-04	4.14E-08	1.28E-07	4.18E-04	6.58E-08	2.58E-08
3557	472363.09, 3850377.25	2.73E-04	4.30E-08	1.69E-08	2.95E-04	4.64E-08	1.43E-07	4.67E-04	7.36E-08	2.89E-08
3558	472863.09, 3850377.25	3.29E-04	5.18E-08	2.03E-08	3.54E-04	5.58E-08	1.72E-07	5.60E-04	8.83E-08	3.47E-08
3559	473363.09, 3850377.25	3.59E-04	5.66E-08	2.22E-08	3.87E-04	6.10E-08	1.88E-07	6.12E-04	9.65E-08	3.79E-08
3560	473863.09, 3850377.25	3.98E-04	6.26E-08	2.46E-08	4.29E-04	6.75E-08	2.08E-07	6.78E-04	1.07E-07	4.19E-08
3561	474363.09, 3850377.25	4.33E-04	6.82E-08	2.68E-08	4.67E-04	7.36E-08	2.27E-07	7.38E-04	1.16E-07	4.57E-08
3562	474863.09, 3850377.25	4.64E-04	7.31E-08	2.87E-08	5.01E-04	7.89E-08	2.43E-07	7.92E-04	1.25E-07	4.90E-08
3563	475363.09, 3850377.25	4.90E-04	7.72E-08	3.03E-08	5.28E-04	8.33E-08	2.56E-07	8.37E-04	1.32E-07	5.18E-08
3564	475863.09, 3850377.25	5.03E-04	7.93E-08	3.12E-08	5.43E-04	8.56E-08	2.64E-07	8.60E-04	1.35E-07	5.32E-08
3565	476363.09, 3850377.25	5.09E-04	8.03E-08	3.15E-08	5.50E-04	8.66E-08	2.67E-07	8.68E-04	1.37E-07	5.37E-08
3566	476863.09, 3850377.25	5.15E-04	8.11E-08	3.18E-08	5.55E-04	8.74E-08	2.69E-07	8.74E-04	1.38E-07	5.41E-08
3567	477363.09, 3850377.25	5.16E-04	8.13E-08	3.19E-08	5.56E-04	8.76E-08	2.70E-07	8.73E-04	1.38E-07	5.40E-08
3568	477863.09, 3850377.25	4.99E-04	7.86E-08	3.09E-08	5.37E-04	8.47E-08	2.61E-07	8.43E-04	1.33E-07	5.21E-08
3569	478363.09, 3850377.25	4.99E-04	7.86E-08	3.09E-08	5.37E-04	8.47E-08	2.61E-07	8.44E-04	1.33E-07	5.22E-08
3570	478863.09, 3850377.25	6.52E-04	1.03E-07	4.04E-08	7.03E-04	1.11E-07	3.41E-07	1.11E-03	1.75E-07	6.86E-08
3571	479363.09, 3850377.25	7.96E-04	1.25E-07	4.92E-08	8.58E-04	1.35E-07	4.16E-07	1.36E-03	2.14E-07	8.41E-08
3572	479863.09, 3850377.25	7.34E-04	1.16E-07	4.54E-08	7.92E-04	1.25E-07	3.84E-07	1.25E-03	1.97E-07	7.75E-08
3573	480363.09, 3850377.25	6.12E-04	9.64E-08	3.79E-08	6.60E-04	1.04E-07	3.20E-07	1.04E-03	1.64E-07	6.45E-08
3574	480863.09, 3850377.25	5.60E-04	8.81E-08	3.46E-08	6.03E-04	9.50E-08	2.93E-07	9.50E-04	1.50E-07	5.88E-08
3575	481363.09, 3850377.25	3.46E-04	5.44E-08	2.14E-08	3.72E-04	5.87E-08	1.81E-07	5.85E-04	9.21E-08	3.62E-08
3576	481863.09, 3850377.25	3.13E-04	4.93E-08	1.94E-08	3.37E-04	5.31E-08	1.64E-07	5.30E-04	8.35E-08	3.28E-08
3577	482363.09, 3850377.25	2.79E-04	4.39E-08	1.72E-08	3.00E-04	4.73E-08	1.46E-07	4.73E-04	7.44E-08	2.92E-08
3578	482863.09, 3850377.25	1.95E-04	3.08E-08	1.21E-08	2.10E-04	3.32E-08	1.02E-07	3.31E-04	5.22E-08	2.05E-08
3579	483363.09, 3850377.25	1.61E-04	2.54E-08	9.97E-09	1.74E-04	2.74E-08	8.43E-08	2.74E-04	4.32E-08	1.70E-08
3580	483863.09, 3850377.25	1.68E-04	2.65E-08	1.04E-08	1.81E-04	2.86E-08	8.80E-08	2.85E-04	4.49E-08	1.77E-08

3581	484363.09, 3850377.25	1.93E-04	3.04E-08	1.19E-08	2.08E-04	3.27E-08	1.01E-07	3.26E-04	5.14E-08	2.02E-08
3582	484863.09, 3850377.25	2.25E-04	3.55E-08	1.39E-08	2.43E-04	3.82E-08	1.18E-07	3.81E-04	6.00E-08	2.36E-08
3583	485363.09, 3850377.25	2.19E-04	3.45E-08	1.36E-08	2.36E-04	3.72E-08	1.15E-07	3.70E-04	5.83E-08	2.29E-08
3584	485863.09, 3850377.25	1.97E-04	3.10E-08	1.22E-08	2.12E-04	3.34E-08	1.03E-07	3.34E-04	5.26E-08	2.07E-08
3585	486363.09, 3850377.25	1.95E-04	3.08E-08	1.21E-08	2.11E-04	3.32E-08	1.02E-07	3.32E-04	5.23E-08	2.05E-08
3586	486863.09, 3850377.25	1.96E-04	3.09E-08	1.22E-08	2.12E-04	3.34E-08	1.03E-07	3.34E-04	5.26E-08	2.07E-08
3587	487363.09, 3850377.25	1.92E-04	3.02E-08	1.19E-08	2.07E-04	3.26E-08	1.00E-07	3.26E-04	5.14E-08	2.02E-08
3588	487863.09, 3850377.25	1.98E-04	3.12E-08	1.23E-08	2.14E-04	3.37E-08	1.04E-07	3.38E-04	5.32E-08	2.09E-08
3589	488363.09, 3850377.25	2.04E-04	3.21E-08	1.26E-08	2.20E-04	3.46E-08	1.07E-07	3.48E-04	5.48E-08	2.15E-08
3590	488863.09, 3850377.25	2.13E-04	3.35E-08	1.32E-08	2.30E-04	3.62E-08	1.11E-07	3.64E-04	5.74E-08	2.26E-08
3591	489363.09, 3850377.25	2.21E-04	3.49E-08	1.37E-08	2.39E-04	3.77E-08	1.16E-07	3.81E-04	6.00E-08	2.36E-08
3592	489863.09, 3850377.25	2.26E-04	3.56E-08	1.40E-08	2.44E-04	3.84E-08	1.18E-07	3.89E-04	6.13E-08	2.41E-08
3593	490363.09, 3850377.25	2.33E-04	3.66E-08	1.44E-08	2.51E-04	3.96E-08	1.22E-07	4.01E-04	6.32E-08	2.48E-08
3594	490863.09, 3850377.25	2.42E-04	3.81E-08	1.50E-08	2.61E-04	4.11E-08	1.27E-07	4.17E-04	6.57E-08	2.58E-08
3595	491363.09, 3850377.25	2.49E-04	3.93E-08	1.54E-08	2.69E-04	4.24E-08	1.31E-07	4.31E-04	6.78E-08	2.67E-08
3596	491863.09, 3850377.25	2.48E-04	3.91E-08	1.54E-08	2.68E-04	4.22E-08	1.30E-07	4.29E-04	6.76E-08	2.66E-08
3597	492363.09, 3850377.25	2.44E-04	3.84E-08	1.51E-08	2.64E-04	4.15E-08	1.28E-07	4.22E-04	6.65E-08	2.61E-08
3598	492863.09, 3850377.25	2.46E-04	3.87E-08	1.52E-08	2.66E-04	4.18E-08	1.29E-07	4.26E-04	6.70E-08	2.63E-08
3599	493363.09, 3850377.25	2.40E-04	3.79E-08	1.49E-08	2.60E-04	4.09E-08	1.26E-07	4.16E-04	6.56E-08	2.58E-08
3600	493863.09, 3850377.25	2.67E-04	4.21E-08	1.65E-08	2.88E-04	4.54E-08	1.40E-07	4.62E-04	7.28E-08	2.86E-08
3601	494363.09, 3850377.25	2.89E-04	4.56E-08	1.79E-08	3.13E-04	4.93E-08	1.52E-07	5.00E-04	7.88E-08	3.10E-08
3602	494863.09, 3850377.25	3.24E-04	5.11E-08	2.01E-08	3.50E-04	5.52E-08	1.70E-07	5.60E-04	8.83E-08	3.47E-08
3603	495363.09, 3850377.25	3.67E-04	5.79E-08	2.27E-08	3.97E-04	6.25E-08	1.93E-07	6.34E-04	9.99E-08	3.93E-08
3604	495863.09, 3850377.25	3.60E-04	5.67E-08	2.23E-08	3.89E-04	6.13E-08	1.89E-07	6.22E-04	9.80E-08	3.85E-08
3605	496363.09, 3850377.25	4.04E-04	6.36E-08	2.50E-08	4.36E-04	6.88E-08	2.12E-07	6.97E-04	1.10E-07	4.32E-08
3606	496863.09, 3850377.25	4.46E-04	7.03E-08	2.76E-08	4.82E-04	7.59E-08	2.34E-07	7.70E-04	1.21E-07	4.77E-08
3607	497363.09, 3850377.25	4.69E-04	7.39E-08	2.90E-08	5.07E-04	7.98E-08	2.46E-07	8.09E-04	1.27E-07	5.01E-08
3608	497863.09, 3850377.25	4.72E-04	7.44E-08	2.92E-08	5.10E-04	8.04E-08	2.48E-07	8.15E-04	1.28E-07	5.04E-08
3609	498363.09, 3850377.25	4.75E-04	7.48E-08	2.94E-08	5.13E-04	8.09E-08	2.49E-07	8.20E-04	1.29E-07	5.08E-08
3610	471363.09, 3850877.25	2.33E-04	3.66E-08	1.44E-08	2.51E-04	3.95E-08	1.22E-07	3.99E-04	6.28E-08	2.47E-08
3611	471863.09, 3850877.25	2.59E-04	4.08E-08	1.60E-08	2.80E-04	4.40E-08	1.36E-07	4.44E-04	7.00E-08	2.75E-08
3612	472363.09, 3850877.25	2.96E-04	4.67E-08	1.83E-08	3.20E-04	5.04E-08	1.55E-07	5.08E-04	8.00E-08	3.14E-08
3613	472863.09, 3850877.25	3.31E-04	5.21E-08	2.05E-08	3.57E-04	5.62E-08	1.73E-07	5.66E-04	8.92E-08	3.50E-08
3614	473363.09, 3850877.25	3.23E-04	5.09E-08	2.00E-08	3.48E-04	5.49E-08	1.69E-07	5.53E-04	8.71E-08	3.42E-08
3615	473863.09, 3850877.25	3.71E-04	5.85E-08	2.30E-08	4.01E-04	6.31E-08	1.94E-07	6.34E-04	9.99E-08	3.92E-08
3616	474363.09, 3850877.25	4.29E-04	6.76E-08	2.66E-08	4.63E-04	7.29E-08	2.25E-07	7.31E-04	1.15E-07	4.53E-08
3617	474863.09, 3850877.25	4.69E-04	7.39E-08	2.90E-08	5.06E-04	7.97E-08	2.45E-07	7.99E-04	1.26E-07	4.94E-08
3618	475363.09, 3850877.25	5.08E-04	8.00E-08	3.14E-08	5.48E-04	8.63E-08	2.66E-07	8.66E-04	1.36E-07	5.36E-08
3619	475863.09, 3850877.25	5.47E-04	8.62E-08	3.39E-08	5.91E-04	9.30E-08	2.87E-07	9.34E-04	1.47E-07	5.78E-08
3620	476363.09, 3850877.25	5.77E-04	9.09E-08	3.57E-08	6.23E-04	9.81E-08	3.02E-07	9.85E-04	1.55E-07	6.10E-08
3621	476863.09, 3850877.25	5.94E-04	9.36E-08	3.68E-08	6.41E-04	1.01E-07	3.11E-07	1.01E-03	1.60E-07	6.27E-08
3622	477363.09, 3850877.25	6.05E-04	9.54E-08	3.75E-08	6.53E-04	1.03E-07	3.17E-07	1.03E-03	1.62E-07	6.37E-08
3623	477863.09, 3850877.25	6.10E-04	9.61E-08	3.78E-08	6.58E-04	1.04E-07	3.19E-07	1.03E-03	1.63E-07	6.39E-08
3624	478363.09, 3850877.25	5.99E-04	9.43E-08	3.71E-08	6.45E-04	1.02E-07	3.13E-07	1.01E-03	1.59E-07	6.26E-08
3625	478863.09, 3850877.25	6.21E-04	9.78E-08	3.84E-08	6.69E-04	1.05E-07	3.25E-07	1.04E-03	1.65E-07	6.46E-08
3626	479363.09, 3850877.25	7.71E-04	1.21E-07	4.77E-08	8.31E-04	1.31E-07	4.03E-07	1.31E-03	2.06E-07	8.09E-08
3627	479863.09, 3850877.25	9.25E-04	1.46E-07	5.72E-08	9.98E-04	1.57E-07	4.84E-07	1.58E-03	2.49E-07	9.78E-08
3628	480363.09, 3850877.25	9.11E-04	1.43E-07	5.64E-08	9.82E-04	1.55E-07	4.76E-07	1.55E-03	2.44E-07	9.58E-08
3629	480863.09, 3850877.25	8.00E-04	1.26E-07	4.95E-08	8.62E-04	1.36E-07	4.18E-07	1.36E-03	2.14E-07	8.40E-08
3630	481363.09, 3850877.25	6.99E-04	1.10E-07	4.33E-08	7.53E-04	1.19E-07	3.66E-07	1.18E-03	1.87E-07	7.33E-08
3631	481863.09, 3850877.25	5.60E-04	8.83E-08	3.47E-08	6.04E-04	9.51E-08	2.93E-07	9.47E-04	1.49E-07	5.86E-08
3632	482363.09, 3850877.25	4.02E-04	6.34E-08	2.49E-08	4.34E-04	6.83E-08	2.10E-07	6.82E-04	1.07E-07	4.22E-08
3633	482863.09, 3850877.25	3.17E-04	4.99E-08	1.96E-08	3.41E-04	5.38E-08	1.66E-07	5.35E-04	8.43E-08	3.31E-08
3634	483363.09, 3850877.25	2.45E-04	3.86E-08	1.52E-08	2.64E-04	4.16E-08	1.28E-07	4.16E-04	6.55E-08	2.57E-08
3635	483863.09, 3850877.25	2.37E-04	3.73E-08	1.46E-08	2.55E-04	4.02E-08	1.24E-07	4.01E-04	6.32E-08	2.48E-08
3636	484363.09, 3850877.25	2.66E-04	4.18E-08	1.64E-08	2.86E-04	4.51E-08	1.39E-07	4.49E-04	7.07E-08	2.78E-08
3637	484863.09, 3850877.25	2.59E-04	4.07E-08	1.60E-08	2.79E-04	4.39E-08	1.35E-07	4.37E-04	6.88E-08	2.70E-08
3638	485363.09, 3850877.25	2.71E-04	4.28E-08	1.68E-08	2.92E-04	4.61E-08	1.42E-07	4.59E-04	7.22E-08	2.84E-08
3639	485863.09, 3850877.25	2.39E-04	3.77E-08	1.48E-08	2.58E-04	4.06E-08	1.25E-07	4.06E-04	6.40E-08	2.51E-08
3640	486363.09, 3850877.25	2.52E-04	3.97E-08	1.56E-08	2.72E-04	4.28E-08	1.32E-07	4.28E-04	6.74E-08	2.65E-08
3641	486863.09, 3850877.25	2.53E-04	3.98E-08	1.56E-08	2.73E-04	4.30E-08	1.32E-07	4.30E-04	6.77E-08	2.66E-08
3642	487363.09, 3850877.25	2.47E-04	3.90E-08	1.53E-08	2.67E-04	4.20E-08	1.29E-07	4.21E-04	6.63E-08	2.60E-08
3643	487863.09, 3850877.25	2.57E-04	4.04E-08	1.59E-08	2.77E-04	4.36E-08	1.34E-07	4.38E-04	6.90E-08	2.71E-08
3644	488363.09, 3850877.25	2.70E-04	4.26E-08	1.67E-08	2.92E-04	4.59E-08	1.41E-07	4.62E-04	7.28E-08	2.86E-08

3645	488863.09, 3850877.25	2.82E-04	4.45E-08	1.75E-08	3.05E-04	4.80E-08	1.48E-07	4.85E-04	7.64E-08	3.00E-08
3646	489363.09, 3850877.25	2.98E-04	4.69E-08	1.84E-08	3.21E-04	5.06E-08	1.56E-07	5.12E-04	8.07E-08	3.17E-08
3647	489863.09, 3850877.25	3.09E-04	4.86E-08	1.91E-08	3.34E-04	5.25E-08	1.62E-07	5.32E-04	8.39E-08	3.30E-08
3648	490363.09, 3850877.25	3.24E-04	5.10E-08	2.00E-08	3.50E-04	5.51E-08	1.70E-07	5.59E-04	8.80E-08	3.46E-08
3649	490863.09, 3850877.25	3.35E-04	5.28E-08	2.07E-08	3.62E-04	5.70E-08	1.76E-07	5.78E-04	9.11E-08	3.58E-08
3650	491363.09, 3850877.25	3.38E-04	5.33E-08	2.09E-08	3.65E-04	5.75E-08	1.77E-07	5.84E-04	9.20E-08	3.61E-08
3651	491863.09, 3850877.25	3.38E-04	5.32E-08	2.09E-08	3.65E-04	5.75E-08	1.77E-07	5.84E-04	9.19E-08	3.61E-08
3652	492363.09, 3850877.25	3.36E-04	5.29E-08	2.08E-08	3.63E-04	5.72E-08	1.76E-07	5.81E-04	9.15E-08	3.59E-08
3653	492863.09, 3850877.25	3.39E-04	5.33E-08	2.10E-08	3.66E-04	5.76E-08	1.78E-07	5.85E-04	9.22E-08	3.62E-08
3654	493363.09, 3850877.25	3.47E-04	5.47E-08	2.15E-08	3.75E-04	5.91E-08	1.82E-07	6.01E-04	9.46E-08	3.72E-08
3655	493863.09, 3850877.25	3.83E-04	6.03E-08	2.37E-08	4.14E-04	6.52E-08	2.01E-07	6.62E-04	1.04E-07	4.09E-08
3656	494363.09, 3850877.25	4.03E-04	6.34E-08	2.49E-08	4.35E-04	6.85E-08	2.11E-07	6.95E-04	1.10E-07	4.30E-08
3657	494863.09, 3850877.25	4.43E-04	6.98E-08	2.74E-08	4.79E-04	7.54E-08	2.32E-07	7.65E-04	1.21E-07	4.74E-08
3658	495363.09, 3850877.25	4.88E-04	7.69E-08	3.02E-08	5.27E-04	8.31E-08	2.56E-07	8.43E-04	1.33E-07	5.22E-08
3659	495863.09, 3850877.25	5.01E-04	7.90E-08	3.10E-08	5.42E-04	8.53E-08	2.63E-07	8.65E-04	1.36E-07	5.35E-08
3660	496363.09, 3850877.25	5.29E-04	8.33E-08	3.27E-08	5.71E-04	9.00E-08	2.77E-07	9.12E-04	1.44E-07	5.65E-08
3661	496863.09, 3850877.25	5.70E-04	8.99E-08	3.53E-08	6.16E-04	9.71E-08	2.99E-07	9.84E-04	1.55E-07	6.09E-08
3662	497363.09, 3850877.25	5.77E-04	9.10E-08	3.57E-08	6.24E-04	9.83E-08	3.03E-07	9.96E-04	1.57E-07	6.17E-08
3663	497863.09, 3850877.25	5.72E-04	9.02E-08	3.54E-08	6.18E-04	9.74E-08	3.00E-07	9.88E-04	1.56E-07	6.11E-08
3664	498363.09, 3850877.25	5.67E-04	8.92E-08	3.51E-08	6.12E-04	9.64E-08	2.97E-07	9.78E-04	1.54E-07	6.05E-08
3665	471363.09, 3851377.25	2.57E-04	4.05E-08	1.59E-08	2.77E-04	4.37E-08	1.35E-07	4.41E-04	6.94E-08	2.73E-08
3666	471863.09, 3851377.25	3.13E-04	4.93E-08	1.94E-08	3.38E-04	5.33E-08	1.64E-07	5.37E-04	8.46E-08	3.32E-08
3667	472363.09, 3851377.25	3.20E-04	5.04E-08	1.98E-08	3.45E-04	5.44E-08	1.68E-07	5.48E-04	8.63E-08	3.39E-08
3668	472863.09, 3851377.25	3.29E-04	5.18E-08	2.03E-08	3.55E-04	5.59E-08	1.72E-07	5.63E-04	8.87E-08	3.49E-08
3669	473363.09, 3851377.25	3.03E-04	4.78E-08	1.88E-08	3.27E-04	5.15E-08	1.59E-07	5.19E-04	8.18E-08	3.21E-08
3670	473863.09, 3851377.25	3.22E-04	5.07E-08	1.99E-08	3.47E-04	5.47E-08	1.68E-07	5.51E-04	8.68E-08	3.41E-08
3671	474363.09, 3851377.25	3.86E-04	6.07E-08	2.39E-08	4.16E-04	6.55E-08	2.02E-07	6.60E-04	1.04E-07	4.09E-08
3672	474863.09, 3851377.25	4.47E-04	7.04E-08	2.77E-08	4.82E-04	7.60E-08	2.34E-07	7.64E-04	1.20E-07	4.73E-08
3673	475363.09, 3851377.25	5.04E-04	7.93E-08	3.12E-08	5.43E-04	8.56E-08	2.64E-07	8.59E-04	1.35E-07	5.31E-08
3674	475863.09, 3851377.25	5.52E-04	8.69E-08	3.41E-08	5.95E-04	9.37E-08	2.89E-07	9.40E-04	1.48E-07	5.82E-08
3675	476363.09, 3851377.25	6.02E-04	9.48E-08	3.72E-08	6.49E-04	1.02E-07	3.15E-07	1.03E-03	1.62E-07	6.35E-08
3676	476863.09, 3851377.25	6.41E-04	1.01E-07	3.97E-08	6.91E-04	1.09E-07	3.35E-07	1.09E-03	1.72E-07	6.77E-08
3677	477363.09, 3851377.25	6.92E-04	1.09E-07	4.29E-08	7.47E-04	1.18E-07	3.62E-07	1.18E-03	1.86E-07	7.31E-08
3678	477863.09, 3851377.25	7.16E-04	1.13E-07	4.43E-08	7.73E-04	1.22E-07	3.75E-07	1.22E-03	1.92E-07	7.55E-08
3679	478363.09, 3851377.25	7.26E-04	1.14E-07	4.49E-08	7.83E-04	1.23E-07	3.80E-07	1.23E-03	1.94E-07	7.63E-08
3680	478863.09, 3851377.25	7.25E-04	1.14E-07	4.48E-08	7.81E-04	1.23E-07	3.79E-07	1.22E-03	1.93E-07	7.58E-08
3681	479363.09, 3851377.25	7.40E-04	1.17E-07	4.58E-08	7.97E-04	1.26E-07	3.87E-07	1.24E-03	1.96E-07	7.70E-08
3682	479863.09, 3851377.25	9.20E-04	1.45E-07	5.69E-08	9.91E-04	1.56E-07	4.81E-07	1.56E-03	2.45E-07	9.63E-08
3683	480363.09, 3851377.25	1.11E-03	1.75E-07	6.89E-08	1.20E-03	1.89E-07	5.82E-07	1.89E-03	2.98E-07	1.17E-07
3684	480863.09, 3851377.25	1.09E-03	1.72E-07	6.76E-08	1.18E-03	1.85E-07	5.71E-07	1.85E-03	2.91E-07	1.14E-07
3685	481363.09, 3851377.25	9.90E-04	1.56E-07	6.13E-08	1.07E-03	1.68E-07	5.18E-07	1.68E-03	2.64E-07	1.04E-07
3686	481863.09, 3851377.25	8.16E-04	1.29E-07	5.05E-08	8.79E-04	1.38E-07	4.26E-07	1.38E-03	2.17E-07	8.53E-08
3687	482363.09, 3851377.25	6.90E-04	1.09E-07	4.27E-08	7.44E-04	1.17E-07	3.61E-07	1.17E-03	1.84E-07	7.22E-08
3688	482863.09, 3851377.25	4.95E-04	7.80E-08	3.07E-08	5.34E-04	8.41E-08	2.59E-07	8.37E-04	1.32E-07	5.18E-08
3689	483363.09, 3851377.25	3.54E-04	5.58E-08	2.19E-08	3.82E-04	6.01E-08	1.85E-07	5.99E-04	9.43E-08	3.70E-08
3690	483863.09, 3851377.25	3.07E-04	4.84E-08	1.90E-08	3.31E-04	5.22E-08	1.61E-07	5.21E-04	8.20E-08	3.22E-08
3691	484363.09, 3851377.25	3.71E-04	5.84E-08	2.29E-08	3.99E-04	6.29E-08	1.94E-07	6.25E-04	9.85E-08	3.87E-08
3692	484863.09, 3851377.25	2.80E-04	4.41E-08	1.73E-08	3.02E-04	4.76E-08	1.46E-07	4.74E-04	7.47E-08	2.93E-08
3693	485363.09, 3851377.25	3.52E-04	5.54E-08	2.18E-08	3.79E-04	5.97E-08	1.84E-07	5.94E-04	9.36E-08	3.68E-08
3694	485863.09, 3851377.25	3.09E-04	4.86E-08	1.91E-08	3.33E-04	5.24E-08	1.61E-07	5.24E-04	8.25E-08	3.24E-08
3695	486363.09, 3851377.25	3.40E-04	5.36E-08	2.10E-08	3.66E-04	5.77E-08	1.78E-07	5.76E-04	9.08E-08	3.57E-08
3696	486863.09, 3851377.25	3.37E-04	5.31E-08	2.09E-08	3.64E-04	5.73E-08	1.76E-07	5.74E-04	9.04E-08	3.55E-08
3697	487363.09, 3851377.25	3.09E-04	4.87E-08	1.91E-08	3.33E-04	5.25E-08	1.62E-07	5.27E-04	8.31E-08	3.26E-08
3698	487863.09, 3851377.25	3.51E-04	5.53E-08	2.17E-08	3.79E-04	5.96E-08	1.84E-07	6.01E-04	9.46E-08	3.72E-08
3699	488363.09, 3851377.25	3.77E-04	5.93E-08	2.33E-08	4.07E-04	6.40E-08	1.97E-07	6.46E-04	1.02E-07	4.00E-08
3700	488863.09, 3851377.25	3.96E-04	6.23E-08	2.45E-08	4.27E-04	6.73E-08	2.07E-07	6.80E-04	1.07E-07	4.21E-08
3701	489363.09, 3851377.25	4.16E-04	6.55E-08	2.57E-08	4.49E-04	7.08E-08	2.18E-07	7.17E-04	1.13E-07	4.44E-08
3702	489863.09, 3851377.25	4.33E-04	6.82E-08	2.68E-08	4.67E-04	7.36E-08	2.27E-07	7.47E-04	1.18E-07	4.62E-08
3703	490363.09, 3851377.25	4.50E-04	7.08E-08	2.78E-08	4.86E-04	7.65E-08	2.36E-07	7.76E-04	1.22E-07	4.80E-08
3704	490863.09, 3851377.25	4.61E-04	7.27E-08	2.86E-08	4.98E-04	7.85E-08	2.42E-07	7.96E-04	1.25E-07	4.93E-08
3705	491363.09, 3851377.25	4.60E-04	7.25E-08	2.85E-08	4.97E-04	7.84E-08	2.41E-07	7.95E-04	1.25E-07	4.92E-08
3706	491863.09, 3851377.25	4.62E-04	7.28E-08	2.86E-08	4.99E-04	7.86E-08	2.42E-07	7.98E-04	1.26E-07	4.94E-08
3707	492363.09, 3851377.25	4.68E-04	7.37E-08	2.89E-08	5.05E-04	7.96E-08	2.45E-07	8.08E-04	1.27E-07	5.00E-08
3708	492863.09, 3851377.25	4.63E-04	7.29E-08	2.86E-08	5.00E-04	7.88E-08	2.43E-07	8.00E-04	1.26E-07	4.95E-08

3709	493363.09, 3851377.25	4.28E-04	6.75E-08	2.65E-08	4.63E-04	7.29E-08	2.25E-07	7.40E-04	1.17E-07	4.58E-08
3710	493863.09, 3851377.25	4.67E-04	7.36E-08	2.89E-08	5.05E-04	7.96E-08	2.45E-07	8.07E-04	1.27E-07	5.00E-08
3711	494363.09, 3851377.25	5.47E-04	8.62E-08	3.39E-08	5.91E-04	9.31E-08	2.87E-07	9.44E-04	1.49E-07	5.84E-08
3712	494863.09, 3851377.25	5.70E-04	8.97E-08	3.53E-08	6.15E-04	9.70E-08	2.99E-07	9.83E-04	1.55E-07	6.08E-08
3713	495363.09, 3851377.25	6.51E-04	1.03E-07	4.03E-08	7.04E-04	1.11E-07	3.41E-07	1.12E-03	1.77E-07	6.95E-08
3714	495863.09, 3851377.25	6.84E-04	1.08E-07	4.23E-08	7.39E-04	1.16E-07	3.59E-07	1.18E-03	1.86E-07	7.30E-08
3715	496363.09, 3851377.25	7.02E-04	1.11E-07	4.34E-08	7.58E-04	1.19E-07	3.68E-07	1.21E-03	1.91E-07	7.49E-08
3716	496863.09, 3851377.25	7.07E-04	1.11E-07	4.38E-08	7.64E-04	1.20E-07	3.71E-07	1.22E-03	1.92E-07	7.55E-08
3717	497363.09, 3851377.25	7.09E-04	1.12E-07	4.39E-08	7.66E-04	1.21E-07	3.72E-07	1.22E-03	1.93E-07	7.57E-08
3718	497863.09, 3851377.25	6.98E-04	1.10E-07	4.32E-08	7.55E-04	1.19E-07	3.66E-07	1.20E-03	1.90E-07	7.46E-08
3719	498363.09, 3851377.25	6.65E-04	1.05E-07	4.12E-08	7.18E-04	1.13E-07	3.49E-07	1.15E-03	1.81E-07	7.10E-08
3720	471363.09, 3851877.25	2.90E-04	4.57E-08	1.80E-08	3.14E-04	4.94E-08	1.52E-07	4.99E-04	7.86E-08	3.09E-08
3721	471863.09, 3851877.25	2.82E-04	4.45E-08	1.75E-08	3.05E-04	4.80E-08	1.48E-07	4.85E-04	7.64E-08	3.00E-08
3722	472363.09, 3851877.25	3.17E-04	4.99E-08	1.96E-08	3.42E-04	5.39E-08	1.66E-07	5.44E-04	8.57E-08	3.37E-08
3723	472863.09, 3851877.25	3.48E-04	5.48E-08	2.15E-08	3.75E-04	5.91E-08	1.82E-07	5.97E-04	9.40E-08	3.69E-08
3724	473363.09, 3851877.25	3.28E-04	5.16E-08	2.03E-08	3.54E-04	5.57E-08	1.72E-07	5.62E-04	8.85E-08	3.48E-08
3725	473863.09, 3851877.25	3.38E-04	5.32E-08	2.09E-08	3.65E-04	5.74E-08	1.77E-07	5.79E-04	9.12E-08	3.58E-08
3726	474363.09, 3851877.25	3.95E-04	6.22E-08	2.44E-08	4.26E-04	6.72E-08	2.07E-07	6.76E-04	1.07E-07	4.18E-08
3727	474863.09, 3851877.25	4.54E-04	7.15E-08	2.81E-08	4.90E-04	7.71E-08	2.38E-07	7.77E-04	1.22E-07	4.81E-08
3728	475363.09, 3851877.25	4.94E-04	7.78E-08	3.06E-08	5.33E-04	8.40E-08	2.59E-07	8.45E-04	1.33E-07	5.23E-08
3729	475863.09, 3851877.25	5.33E-04	8.40E-08	3.30E-08	5.76E-04	9.07E-08	2.79E-07	9.12E-04	1.44E-07	5.64E-08
3730	476363.09, 3851877.25	5.51E-04	8.68E-08	3.41E-08	5.95E-04	9.37E-08	2.89E-07	9.43E-04	1.49E-07	5.83E-08
3731	476863.09, 3851877.25	6.23E-04	9.82E-08	3.86E-08	6.72E-04	1.06E-07	3.26E-07	1.07E-03	1.68E-07	6.59E-08
3732	477363.09, 3851877.25	6.99E-04	1.10E-07	4.33E-08	7.55E-04	1.19E-07	3.66E-07	1.19E-03	1.88E-07	7.39E-08
3733	477863.09, 3851877.25	7.65E-04	1.20E-07	4.73E-08	8.25E-04	1.30E-07	4.00E-07	1.31E-03	2.06E-07	8.09E-08
3734	478363.09, 3851877.25	7.92E-04	1.25E-07	4.90E-08	8.55E-04	1.35E-07	4.15E-07	1.36E-03	2.13E-07	8.39E-08
3735	478863.09, 3851877.25	8.45E-04	1.33E-07	5.23E-08	9.12E-04	1.44E-07	4.42E-07	1.44E-03	2.27E-07	8.93E-08
3736	479363.09, 3851877.25	8.85E-04	1.39E-07	5.48E-08	9.54E-04	1.50E-07	4.63E-07	1.50E-03	2.36E-07	9.29E-08
3737	479863.09, 3851877.25	9.31E-04	1.47E-07	5.76E-08	1.00E-03	1.58E-07	4.87E-07	1.57E-03	2.48E-07	9.74E-08
3738	480363.09, 3851877.25	1.12E-03	1.77E-07	6.94E-08	1.21E-03	1.90E-07	5.86E-07	1.90E-03	2.99E-07	1.17E-07
3739	480863.09, 3851877.25	1.35E-03	2.12E-07	8.33E-08	1.45E-03	2.29E-07	7.04E-07	2.29E-03	3.60E-07	1.42E-07
3740	481363.09, 3851877.25	1.34E-03	2.11E-07	8.28E-08	1.44E-03	2.27E-07	7.00E-07	2.26E-03	3.56E-07	1.40E-07
3741	481863.09, 3851877.25	1.18E-03	1.85E-07	7.28E-08	1.27E-03	2.00E-07	6.15E-07	1.99E-03	3.13E-07	1.23E-07
3742	482363.09, 3851877.25	8.34E-04	1.31E-07	5.16E-08	8.99E-04	1.42E-07	4.36E-07	1.41E-03	2.22E-07	8.73E-08
3743	482863.09, 3851877.25	5.48E-04	8.63E-08	3.39E-08	5.90E-04	9.30E-08	2.86E-07	9.27E-04	1.46E-07	5.74E-08
3744	483363.09, 3851877.25	5.48E-04	8.63E-08	3.39E-08	5.90E-04	9.29E-08	2.86E-07	9.22E-04	1.45E-07	5.71E-08
3745	483863.09, 3851877.25	4.77E-04	7.51E-08	2.95E-08	5.13E-04	8.09E-08	2.49E-07	8.03E-04	1.26E-07	4.97E-08
3746	484363.09, 3851877.25	5.13E-04	8.09E-08	3.18E-08	5.53E-04	8.71E-08	2.68E-07	8.65E-04	1.36E-07	5.35E-08
3747	484863.09, 3851877.25	4.59E-04	7.23E-08	2.84E-08	4.95E-04	7.79E-08	2.40E-07	7.75E-04	1.22E-07	4.80E-08
3748	485363.09, 3851877.25	4.75E-04	7.49E-08	2.94E-08	5.12E-04	8.07E-08	2.49E-07	8.03E-04	1.27E-07	4.97E-08
3749	485863.09, 3851877.25	4.91E-04	7.74E-08	3.04E-08	5.30E-04	8.34E-08	2.57E-07	8.31E-04	1.31E-07	5.14E-08
3750	486363.09, 3851877.25	4.54E-04	7.16E-08	2.81E-08	4.90E-04	7.72E-08	2.38E-07	7.72E-04	1.22E-07	4.78E-08
3751	486863.09, 3851877.25	4.71E-04	7.41E-08	2.91E-08	5.08E-04	8.00E-08	2.46E-07	8.03E-04	1.26E-07	4.97E-08
3752	487363.09, 3851877.25	4.88E-04	7.68E-08	3.02E-08	5.26E-04	8.29E-08	2.55E-07	8.35E-04	1.32E-07	5.17E-08
3753	487863.09, 3851877.25	4.64E-04	7.31E-08	2.87E-08	5.01E-04	7.90E-08	2.43E-07	7.99E-04	1.26E-07	4.94E-08
3754	488363.09, 3851877.25	4.97E-04	7.83E-08	3.07E-08	5.37E-04	8.45E-08	2.60E-07	8.56E-04	1.35E-07	5.30E-08
3755	488863.09, 3851877.25	5.04E-04	7.94E-08	3.12E-08	5.44E-04	8.58E-08	2.64E-07	8.70E-04	1.37E-07	5.38E-08
3756	489363.09, 3851877.25	5.15E-04	8.11E-08	3.19E-08	5.56E-04	8.76E-08	2.70E-07	8.89E-04	1.40E-07	5.50E-08
3757	489863.09, 3851877.25	5.33E-04	8.40E-08	3.30E-08	5.76E-04	9.08E-08	2.80E-07	9.22E-04	1.45E-07	5.70E-08
3758	490363.09, 3851877.25	5.63E-04	8.86E-08	3.48E-08	6.08E-04	9.58E-08	2.95E-07	9.72E-04	1.53E-07	6.01E-08
3759	490863.09, 3851877.25	5.94E-04	9.36E-08	3.68E-08	6.42E-04	1.01E-07	3.12E-07	1.03E-03	1.62E-07	6.35E-08
3760	491363.09, 3851877.25	6.28E-04	9.89E-08	3.89E-08	6.78E-04	1.07E-07	3.29E-07	1.08E-03	1.71E-07	6.71E-08
3761	491863.09, 3851877.25	6.51E-04	1.02E-07	4.03E-08	7.03E-04	1.11E-07	3.41E-07	1.12E-03	1.77E-07	6.95E-08
3762	492363.09, 3851877.25	6.40E-04	1.01E-07	3.96E-08	6.92E-04	1.09E-07	3.36E-07	1.10E-03	1.74E-07	6.84E-08
3763	492863.09, 3851877.25	5.70E-04	8.97E-08	3.53E-08	6.16E-04	9.70E-08	2.99E-07	9.84E-04	1.55E-07	6.09E-08
3764	493363.09, 3851877.25	6.69E-04	1.05E-07	4.14E-08	7.23E-04	1.14E-07	3.51E-07	1.16E-03	1.82E-07	7.15E-08
3765	493863.09, 3851877.25	7.79E-04	1.23E-07	4.82E-08	8.41E-04	1.33E-07	4.08E-07	1.34E-03	2.12E-07	8.31E-08
3766	494363.09, 3851877.25	7.60E-04	1.20E-07	4.71E-08	8.21E-04	1.29E-07	3.98E-07	1.31E-03	2.06E-07	8.11E-08
3767	494863.09, 3851877.25	8.32E-04	1.31E-07	5.15E-08	8.98E-04	1.42E-07	4.36E-07	1.43E-03	2.26E-07	8.87E-08
3768	495363.09, 3851877.25	8.78E-04	1.38E-07	5.43E-08	9.48E-04	1.49E-07	4.60E-07	1.51E-03	2.38E-07	9.36E-08
3769	495863.09, 3851877.25	9.05E-04	1.42E-07	5.60E-08	9.77E-04	1.54E-07	4.74E-07	1.56E-03	2.46E-07	9.65E-08
3770	496363.09, 3851877.25	8.93E-04	1.41E-07	5.53E-08	9.65E-04	1.52E-07	4.68E-07	1.54E-03	2.43E-07	9.53E-08
3771	496863.09, 3851877.25	8.75E-04	1.38E-07	5.42E-08	9.45E-04	1.49E-07	4.59E-07	1.51E-03	2.38E-07	9.34E-08
3772	497363.09, 3851877.25	8.51E-04	1.34E-07	5.27E-08	9.19E-04	1.45E-07	4.46E-07	1.47E-03	2.31E-07	9.08E-08

3773	497863.09, 3851877.25	7.99E-04	1.26E-07	4.94E-08	8.63E-04	1.36E-07	4.19E-07	1.38E-03	2.17E-07	8.53E-08
3774	498363.09, 3851877.25	7.52E-04	1.19E-07	4.66E-08	8.13E-04	1.28E-07	3.94E-07	1.30E-03	2.04E-07	8.03E-08
3775	471363.09, 3852377.25	2.67E-04	4.20E-08	1.65E-08	2.88E-04	4.54E-08	1.40E-07	4.58E-04	7.22E-08	2.84E-08
3776	471863.09, 3852377.25	3.05E-04	4.80E-08	1.89E-08	3.29E-04	5.18E-08	1.60E-07	5.23E-04	8.24E-08	3.24E-08
3777	472363.09, 3852377.25	3.33E-04	5.24E-08	2.06E-08	3.59E-04	5.66E-08	1.74E-07	5.72E-04	9.01E-08	3.54E-08
3778	472863.09, 3852377.25	3.54E-04	5.58E-08	2.19E-08	3.83E-04	6.03E-08	1.86E-07	6.09E-04	9.59E-08	3.77E-08
3779	473363.09, 3852377.25	3.66E-04	5.77E-08	2.27E-08	3.96E-04	6.23E-08	1.92E-07	6.29E-04	9.91E-08	3.89E-08
3780	473863.09, 3852377.25	3.72E-04	5.85E-08	2.30E-08	4.01E-04	6.32E-08	1.95E-07	6.38E-04	1.00E-07	3.95E-08
3781	474363.09, 3852377.25	3.83E-04	6.03E-08	2.37E-08	4.13E-04	6.51E-08	2.01E-07	6.57E-04	1.03E-07	4.07E-08
3782	474863.09, 3852377.25	4.91E-04	7.73E-08	3.04E-08	5.30E-04	8.34E-08	2.57E-07	8.41E-04	1.32E-07	5.21E-08
3783	475363.09, 3852377.25	5.10E-04	8.04E-08	3.16E-08	5.51E-04	8.68E-08	2.67E-07	8.74E-04	1.38E-07	5.41E-08
3784	475863.09, 3852377.25	5.23E-04	8.24E-08	3.24E-08	5.65E-04	8.90E-08	2.74E-07	8.96E-04	1.41E-07	5.54E-08
3785	476363.09, 3852377.25	5.24E-04	8.25E-08	3.24E-08	5.65E-04	8.90E-08	2.74E-07	8.96E-04	1.41E-07	5.55E-08
3786	476863.09, 3852377.25	5.68E-04	8.95E-08	3.52E-08	6.13E-04	9.66E-08	2.97E-07	9.72E-04	1.53E-07	6.02E-08
3787	477363.09, 3852377.25	6.02E-04	9.48E-08	3.72E-08	6.49E-04	1.02E-07	3.15E-07	1.03E-03	1.62E-07	6.38E-08
3788	477863.09, 3852377.25	5.46E-04	8.60E-08	3.38E-08	5.90E-04	9.29E-08	2.86E-07	9.36E-04	1.47E-07	5.79E-08
3789	478363.09, 3852377.25	5.18E-04	8.16E-08	3.21E-08	5.59E-04	8.81E-08	2.71E-07	8.87E-04	1.40E-07	5.49E-08
3790	478863.09, 3852377.25	6.95E-04	1.09E-07	4.30E-08	7.49E-04	1.18E-07	3.64E-07	1.19E-03	1.87E-07	7.34E-08
3791	479363.09, 3852377.25	8.24E-04	1.30E-07	5.10E-08	8.89E-04	1.40E-07	4.31E-07	1.41E-03	2.22E-07	8.71E-08
3792	479863.09, 3852377.25	1.04E-03	1.64E-07	6.46E-08	1.13E-03	1.77E-07	5.47E-07	1.78E-03	2.81E-07	1.10E-07
3793	480363.09, 3852377.25	1.18E-03	1.87E-07	7.33E-08	1.28E-03	2.01E-07	6.19E-07	2.00E-03	3.16E-07	1.24E-07
3794	480863.09, 3852377.25	1.42E-03	2.23E-07	8.76E-08	1.53E-03	2.40E-07	7.40E-07	2.40E-03	3.78E-07	1.48E-07
3795	481363.09, 3852377.25	1.71E-03	2.69E-07	1.06E-07	1.84E-03	2.90E-07	8.94E-07	2.90E-03	4.58E-07	1.80E-07
3796	481863.09, 3852377.25	1.69E-03	2.67E-07	1.05E-07	1.82E-03	2.87E-07	8.85E-07	2.85E-03	4.50E-07	1.77E-07
3797	482363.09, 3852377.25	1.48E-03	2.33E-07	9.13E-08	1.59E-03	2.50E-07	7.71E-07	2.48E-03	3.91E-07	1.54E-07
3798	482863.09, 3852377.25	1.22E-03	1.93E-07	7.56E-08	1.32E-03	2.07E-07	6.39E-07	2.07E-03	3.26E-07	1.28E-07
3799	483363.09, 3852377.25	8.11E-04	1.28E-07	5.02E-08	8.73E-04	1.38E-07	4.24E-07	1.36E-03	2.15E-07	8.45E-08
3800	483863.09, 3852377.25	6.35E-04	1.00E-07	3.93E-08	6.84E-04	1.08E-07	3.32E-07	1.07E-03	1.68E-07	6.61E-08
3801	484363.09, 3852377.25	7.05E-04	1.11E-07	4.36E-08	7.60E-04	1.20E-07	3.69E-07	1.19E-03	1.87E-07	7.35E-08
3802	484863.09, 3852377.25	7.52E-04	1.18E-07	4.65E-08	8.10E-04	1.28E-07	3.93E-07	1.27E-03	2.00E-07	7.84E-08
3803	485363.09, 3852377.25	8.03E-04	1.26E-07	4.97E-08	8.64E-04	1.36E-07	4.19E-07	1.35E-03	2.13E-07	8.37E-08
3804	485863.09, 3852377.25	7.51E-04	1.18E-07	4.65E-08	8.10E-04	1.28E-07	3.93E-07	1.27E-03	2.01E-07	7.88E-08
3805	486363.09, 3852377.25	6.67E-04	1.05E-07	4.13E-08	7.19E-04	1.13E-07	3.49E-07	1.14E-03	1.79E-07	7.05E-08
3806	486863.09, 3852377.25	6.75E-04	1.06E-07	4.17E-08	7.28E-04	1.15E-07	3.53E-07	1.16E-03	1.82E-07	7.16E-08
3807	487363.09, 3852377.25	6.66E-04	1.05E-07	4.12E-08	7.20E-04	1.13E-07	3.49E-07	1.15E-03	1.81E-07	7.10E-08
3808	487863.09, 3852377.25	6.65E-04	1.05E-07	4.12E-08	7.18E-04	1.13E-07	3.49E-07	1.15E-03	1.81E-07	7.10E-08
3809	488363.09, 3852377.25	6.62E-04	1.04E-07	4.10E-08	7.15E-04	1.13E-07	3.47E-07	1.14E-03	1.80E-07	7.08E-08
3810	488863.09, 3852377.25	6.52E-04	1.03E-07	4.03E-08	7.04E-04	1.11E-07	3.42E-07	1.13E-03	1.78E-07	6.98E-08
3811	489363.09, 3852377.25	6.54E-04	1.03E-07	4.05E-08	7.07E-04	1.11E-07	3.43E-07	1.13E-03	1.78E-07	7.01E-08
3812	489863.09, 3852377.25	6.30E-04	9.92E-08	3.90E-08	6.80E-04	1.07E-07	3.30E-07	1.09E-03	1.72E-07	6.74E-08
3813	490363.09, 3852377.25	7.04E-04	1.11E-07	4.36E-08	7.61E-04	1.20E-07	3.69E-07	1.22E-03	1.92E-07	7.53E-08
3814	490863.09, 3852377.25	7.65E-04	1.21E-07	4.73E-08	8.26E-04	1.30E-07	4.01E-07	1.32E-03	2.08E-07	8.17E-08
3815	491363.09, 3852377.25	8.93E-04	1.41E-07	5.53E-08	9.65E-04	1.52E-07	4.68E-07	1.54E-03	2.43E-07	9.54E-08
3816	491863.09, 3852377.25	9.23E-04	1.45E-07	5.71E-08	9.97E-04	1.57E-07	4.84E-07	1.59E-03	2.51E-07	9.85E-08
3817	492363.09, 3852377.25	9.36E-04	1.47E-07	5.79E-08	1.01E-03	1.59E-07	4.91E-07	1.61E-03	2.54E-07	9.99E-08
3818	492863.09, 3852377.25	9.92E-04	1.56E-07	6.14E-08	1.07E-03	1.69E-07	5.20E-07	1.71E-03	2.69E-07	1.06E-07
3819	493363.09, 3852377.25	1.09E-03	1.71E-07	6.73E-08	1.17E-03	1.85E-07	5.70E-07	1.87E-03	2.95E-07	1.16E-07
3820	493863.09, 3852377.25	1.08E-03	1.70E-07	6.67E-08	1.16E-03	1.83E-07	5.65E-07	1.86E-03	2.92E-07	1.15E-07
3821	494363.09, 3852377.25	1.07E-03	1.69E-07	6.63E-08	1.16E-03	1.82E-07	5.62E-07	1.85E-03	2.91E-07	1.14E-07
3822	494863.09, 3852377.25	1.12E-03	1.77E-07	6.94E-08	1.21E-03	1.91E-07	5.88E-07	1.93E-03	3.04E-07	1.20E-07
3823	495363.09, 3852377.25	1.17E-03	1.85E-07	7.25E-08	1.27E-03	1.99E-07	6.14E-07	2.02E-03	3.18E-07	1.25E-07
3824	495863.09, 3852377.25	1.13E-03	1.78E-07	6.99E-08	1.22E-03	1.92E-07	5.92E-07	1.95E-03	3.07E-07	1.21E-07
3825	496363.09, 3852377.25	1.08E-03	1.71E-07	6.71E-08	1.17E-03	1.85E-07	5.68E-07	1.87E-03	2.95E-07	1.16E-07
3826	496863.09, 3852377.25	1.05E-03	1.66E-07	6.52E-08	1.14E-03	1.79E-07	5.52E-07	1.82E-03	2.86E-07	1.12E-07
3827	497363.09, 3852377.25	9.63E-04	1.52E-07	5.96E-08	1.04E-03	1.64E-07	5.05E-07	1.66E-03	2.62E-07	1.03E-07
3828	497863.09, 3852377.25	8.78E-04	1.38E-07	5.43E-08	9.48E-04	1.49E-07	4.60E-07	1.51E-03	2.38E-07	9.37E-08
3829	498363.09, 3852377.25	8.00E-04	1.26E-07	4.95E-08	8.65E-04	1.36E-07	4.20E-07	1.38E-03	2.17E-07	8.54E-08
3830	471363.09, 3852877.25	2.79E-04	4.40E-08	1.73E-08	3.02E-04	4.75E-08	1.46E-07	4.80E-04	7.56E-08	2.97E-08
3831	471863.09, 3852877.25	3.10E-04	4.89E-08	1.92E-08	3.35E-04	5.28E-08	1.63E-07	5.33E-04	8.40E-08	3.30E-08
3832	472363.09, 3852877.25	3.45E-04	5.44E-08	2.14E-08	3.73E-04	5.87E-08	1.81E-07	5.93E-04	9.34E-08	3.67E-08
3833	472863.09, 3852877.25	3.74E-04	5.89E-08	2.31E-08	4.04E-04	6.36E-08	1.96E-07	6.42E-04	1.01E-07	3.97E-08
3834	473363.09, 3852877.25	4.05E-04	6.38E-08	2.51E-08	4.37E-04	6.89E-08	2.12E-07	6.95E-04	1.09E-07	4.30E-08
3835	473863.09, 3852877.25	4.45E-04	7.00E-08	2.75E-08	4.80E-04	7.56E-08	2.33E-07	7.63E-04	1.20E-07	4.72E-08
3836	474363.09, 3852877.25	4.84E-04	7.63E-08	3.00E-08	5.23E-04	8.23E-08	2.54E-07	8.30E-04	1.31E-07	5.14E-08

3837	474863.09, 3852877.25	4.55E-04	7.16E-08	2.81E-08	4.91E-04	7.73E-08	2.38E-07	7.80E-04	1.23E-07	4.82E-08
3838	475363.09, 3852877.25	5.03E-04	7.92E-08	3.11E-08	5.42E-04	8.55E-08	2.63E-07	8.62E-04	1.36E-07	5.33E-08
3839	475863.09, 3852877.25	5.23E-04	8.24E-08	3.24E-08	5.64E-04	8.89E-08	2.74E-07	8.96E-04	1.41E-07	5.55E-08
3840	476363.09, 3852877.25	4.99E-04	7.87E-08	3.09E-08	5.39E-04	8.49E-08	2.62E-07	8.56E-04	1.35E-07	5.30E-08
3841	476863.09, 3852877.25	4.47E-04	7.04E-08	2.76E-08	4.82E-04	7.60E-08	2.34E-07	7.65E-04	1.21E-07	4.74E-08
3842	477363.09, 3852877.25	4.15E-04	6.54E-08	2.57E-08	4.48E-04	7.06E-08	2.18E-07	7.12E-04	1.12E-07	4.41E-08
3843	477863.09, 3852877.25	3.84E-04	6.05E-08	2.38E-08	4.14E-04	6.53E-08	2.01E-07	6.59E-04	1.04E-07	4.08E-08
3844	478363.09, 3852877.25	3.21E-04	5.05E-08	1.99E-08	3.47E-04	5.46E-08	1.68E-07	5.53E-04	8.71E-08	3.42E-08
3845	478863.09, 3852877.25	3.80E-04	5.98E-08	2.35E-08	4.10E-04	6.46E-08	1.99E-07	6.54E-04	1.03E-07	4.05E-08
3846	479363.09, 3852877.25	5.29E-04	8.33E-08	3.27E-08	5.71E-04	8.99E-08	2.77E-07	9.07E-04	1.43E-07	5.62E-08
3847	479863.09, 3852877.25	9.99E-04	1.57E-07	6.18E-08	1.08E-03	1.70E-07	5.23E-07	1.71E-03	2.69E-07	1.06E-07
3848	480363.09, 3852877.25	1.44E-03	2.27E-07	8.92E-08	1.56E-03	2.45E-07	7.55E-07	2.46E-03	3.88E-07	1.52E-07
3849	480863.09, 3852877.25	1.53E-03	2.41E-07	9.45E-08	1.65E-03	2.59E-07	7.99E-07	2.60E-03	4.09E-07	1.61E-07
3850	481363.09, 3852877.25	1.90E-03	3.00E-07	1.18E-07	2.05E-03	3.23E-07	9.96E-07	3.23E-03	5.08E-07	2.00E-07
3851	481863.09, 3852877.25	2.32E-03	3.65E-07	1.43E-07	2.50E-03	3.94E-07	1.21E-06	3.94E-03	6.20E-07	2.44E-07
3852	482363.09, 3852877.25	2.25E-03	3.54E-07	1.39E-07	2.42E-03	3.81E-07	1.17E-06	3.77E-03	5.94E-07	2.33E-07
3853	482863.09, 3852877.25	2.04E-03	3.22E-07	1.27E-07	2.20E-03	3.47E-07	1.07E-06	3.43E-03	5.41E-07	2.12E-07
3854	483363.09, 3852877.25	1.57E-03	2.47E-07	9.70E-08	1.69E-03	2.66E-07	8.19E-07	2.63E-03	4.15E-07	1.63E-07
3855	483863.09, 3852877.25	1.01E-03	1.58E-07	6.22E-08	1.08E-03	1.70E-07	5.25E-07	1.68E-03	2.65E-07	1.04E-07
3856	484363.09, 3852877.25	1.20E-03	1.88E-07	7.40E-08	1.29E-03	2.03E-07	6.24E-07	2.00E-03	3.15E-07	1.24E-07
3857	484863.09, 3852877.25	1.30E-03	2.05E-07	8.05E-08	1.40E-03	2.21E-07	6.79E-07	2.19E-03	3.44E-07	1.35E-07
3858	485363.09, 3852877.25	9.84E-04	1.55E-07	6.09E-08	1.06E-03	1.67E-07	5.15E-07	1.67E-03	2.63E-07	1.03E-07
3859	485863.09, 3852877.25	9.48E-04	1.49E-07	5.86E-08	1.02E-03	1.61E-07	4.96E-07	1.62E-03	2.56E-07	1.00E-07
3860	486363.09, 3852877.25	9.09E-04	1.43E-07	5.62E-08	9.82E-04	1.55E-07	4.76E-07	1.57E-03	2.47E-07	9.70E-08
3861	486863.09, 3852877.25	9.42E-04	1.48E-07	5.83E-08	1.02E-03	1.60E-07	4.94E-07	1.63E-03	2.56E-07	1.01E-07
3862	487363.09, 3852877.25	9.27E-04	1.46E-07	5.74E-08	1.00E-03	1.58E-07	4.86E-07	1.61E-03	2.53E-07	9.93E-08
3863	487863.09, 3852877.25	9.24E-04	1.46E-07	5.72E-08	9.99E-04	1.57E-07	4.85E-07	1.60E-03	2.52E-07	9.90E-08
3864	488363.09, 3852877.25	7.61E-04	1.20E-07	4.71E-08	8.23E-04	1.30E-07	3.99E-07	1.32E-03	2.08E-07	8.17E-08
3865	488863.09, 3852877.25	8.39E-04	1.32E-07	5.19E-08	9.07E-04	1.43E-07	4.40E-07	1.45E-03	2.29E-07	8.99E-08
3866	489363.09, 3852877.25	8.78E-04	1.38E-07	5.44E-08	9.49E-04	1.50E-07	4.61E-07	1.52E-03	2.39E-07	9.41E-08
3867	489863.09, 3852877.25	9.10E-04	1.43E-07	5.63E-08	9.83E-04	1.55E-07	4.77E-07	1.57E-03	2.48E-07	9.73E-08
3868	490363.09, 3852877.25	1.12E-03	1.77E-07	6.94E-08	1.21E-03	1.91E-07	5.88E-07	1.93E-03	3.05E-07	1.20E-07
3869	490863.09, 3852877.25	1.22E-03	1.92E-07	7.56E-08	1.32E-03	2.08E-07	6.40E-07	2.11E-03	3.32E-07	1.30E-07
3870	491363.09, 3852877.25	1.30E-03	2.05E-07	8.06E-08	1.41E-03	2.21E-07	6.82E-07	2.24E-03	3.53E-07	1.39E-07
3871	491863.09, 3852877.25	1.33E-03	2.09E-07	8.21E-08	1.43E-03	2.26E-07	6.95E-07	2.29E-03	3.60E-07	1.41E-07
3872	492363.09, 3852877.25	1.36E-03	2.15E-07	8.43E-08	1.47E-03	2.32E-07	7.14E-07	2.35E-03	3.70E-07	1.45E-07
3873	492863.09, 3852877.25	1.45E-03	2.28E-07	8.97E-08	1.56E-03	2.46E-07	7.59E-07	2.49E-03	3.93E-07	1.54E-07
3874	493363.09, 3852877.25	1.50E-03	2.37E-07	9.31E-08	1.62E-03	2.56E-07	7.88E-07	2.59E-03	4.08E-07	1.60E-07
3875	493863.09, 3852877.25	1.49E-03	2.34E-07	9.20E-08	1.60E-03	2.53E-07	7.79E-07	2.56E-03	4.03E-07	1.58E-07
3876	494363.09, 3852877.25	1.47E-03	2.32E-07	9.11E-08	1.59E-03	2.51E-07	7.72E-07	2.54E-03	3.99E-07	1.57E-07
3877	494863.09, 3852877.25	1.48E-03	2.34E-07	9.17E-08	1.60E-03	2.52E-07	7.77E-07	2.55E-03	4.02E-07	1.58E-07
3878	495363.09, 3852877.25	1.41E-03	2.22E-07	8.70E-08	1.52E-03	2.39E-07	7.37E-07	2.42E-03	3.82E-07	1.50E-07
3879	495863.09, 3852877.25	1.33E-03	2.10E-07	8.24E-08	1.44E-03	2.27E-07	6.98E-07	2.29E-03	3.61E-07	1.42E-07
3880	496363.09, 3852877.25	1.31E-03	2.06E-07	8.08E-08	1.41E-03	2.22E-07	6.84E-07	2.25E-03	3.54E-07	1.39E-07
3881	496863.09, 3852877.25	1.25E-03	1.96E-07	7.72E-08	1.35E-03	2.12E-07	6.54E-07	2.15E-03	3.39E-07	1.33E-07
3882	497363.09, 3852877.25	1.08E-03	1.71E-07	6.70E-08	1.17E-03	1.84E-07	5.67E-07	1.87E-03	2.94E-07	1.15E-07
3883	497863.09, 3852877.25	8.50E-04	1.34E-07	5.26E-08	9.18E-04	1.45E-07	4.46E-07	1.47E-03	2.31E-07	9.07E-08
3884	498363.09, 3852877.25	8.03E-04	1.26E-07	4.97E-08	8.67E-04	1.37E-07	4.21E-07	1.38E-03	2.18E-07	8.57E-08
3885	471363.09, 3853377.25	2.88E-04	4.54E-08	1.78E-08	3.11E-04	4.90E-08	1.51E-07	4.95E-04	7.79E-08	3.06E-08
3886	471863.09, 3853377.25	3.15E-04	4.96E-08	1.95E-08	3.40E-04	5.36E-08	1.65E-07	5.41E-04	8.52E-08	3.35E-08
3887	472363.09, 3853377.25	3.45E-04	5.43E-08	2.13E-08	3.72E-04	5.87E-08	1.81E-07	5.92E-04	9.33E-08	3.67E-08
3888	472863.09, 3853377.25	3.76E-04	5.92E-08	2.33E-08	4.06E-04	6.39E-08	1.97E-07	6.45E-04	1.02E-07	3.99E-08
3889	473363.09, 3853377.25	4.02E-04	6.33E-08	2.49E-08	4.34E-04	6.84E-08	2.11E-07	6.90E-04	1.09E-07	4.27E-08
3890	473863.09, 3853377.25	4.32E-04	6.80E-08	2.67E-08	4.66E-04	7.35E-08	2.26E-07	7.41E-04	1.17E-07	4.58E-08
3891	474363.09, 3853377.25	4.62E-04	7.28E-08	2.86E-08	4.99E-04	7.86E-08	2.42E-07	7.93E-04	1.25E-07	4.91E-08
3892	474863.09, 3853377.25	4.59E-04	7.23E-08	2.84E-08	4.95E-04	7.80E-08	2.40E-07	7.86E-04	1.24E-07	4.87E-08
3893	475363.09, 3853377.25	4.66E-04	7.34E-08	2.88E-08	5.03E-04	7.92E-08	2.44E-07	7.98E-04	1.26E-07	4.94E-08
3894	475863.09, 3853377.25	4.68E-04	7.37E-08	2.89E-08	5.05E-04	7.95E-08	2.45E-07	8.01E-04	1.26E-07	4.96E-08
3895	476363.09, 3853377.25	4.34E-04	6.83E-08	2.68E-08	4.68E-04	7.38E-08	2.27E-07	7.43E-04	1.17E-07	4.60E-08
3896	476863.09, 3853377.25	3.73E-04	5.88E-08	2.31E-08	4.03E-04	6.35E-08	1.96E-07	6.41E-04	1.01E-07	3.96E-08
3897	477363.09, 3853377.25	3.71E-04	5.84E-08	2.30E-08	4.00E-04	6.31E-08	1.94E-07	6.37E-04	1.00E-07	3.94E-08
3898	477863.09, 3853377.25	3.88E-04	6.12E-08	2.40E-08	4.19E-04	6.60E-08	2.03E-07	6.67E-04	1.05E-07	4.13E-08
3899	478363.09, 3853377.25	3.52E-04	5.55E-08	2.18E-08	3.80E-04	5.99E-08	1.85E-07	6.06E-04	9.55E-08	3.75E-08
3900	478863.09, 3853377.25	2.95E-04	4.65E-08	1.83E-08	3.19E-04	5.03E-08	1.55E-07	5.11E-04	8.05E-08	3.16E-08

3901	479363.09, 3853377.25	4.65E-04	7.33E-08	2.88E-08	5.03E-04	7.92E-08	2.44E-07	8.01E-04	1.26E-07	4.96E-08
3902	479863.09, 3853377.25	7.10E-04	1.12E-07	4.39E-08	7.66E-04	1.21E-07	3.72E-07	1.22E-03	1.92E-07	7.54E-08
3903	480363.09, 3853377.25	1.36E-03	2.14E-07	8.39E-08	1.46E-03	2.31E-07	7.10E-07	2.32E-03	3.66E-07	1.44E-07
3904	480863.09, 3853377.25	1.39E-03	2.20E-07	8.63E-08	1.50E-03	2.37E-07	7.30E-07	2.38E-03	3.75E-07	1.47E-07
3905	481363.09, 3853377.25	2.08E-03	3.27E-07	1.28E-07	2.24E-03	3.53E-07	1.09E-06	3.55E-03	5.59E-07	2.19E-07
3906	481863.09, 3853377.25	2.91E-03	4.59E-07	1.80E-07	3.14E-03	4.94E-07	1.52E-06	4.94E-03	7.78E-07	3.06E-07
3907	482363.09, 3853377.25	3.72E-03	5.87E-07	2.30E-07	4.01E-03	6.31E-07	1.94E-06	6.24E-03	9.84E-07	3.86E-07
3908	482863.09, 3853377.25	3.88E-03	6.12E-07	2.40E-07	4.16E-03	6.55E-07	2.02E-06	6.22E-03	9.80E-07	3.85E-07
3909	483363.09, 3853377.25	3.25E-03	5.12E-07	2.01E-07	3.48E-03	5.48E-07	1.69E-06	5.15E-03	8.11E-07	3.19E-07
3910	483863.09, 3853377.25	2.69E-03	4.24E-07	1.67E-07	2.89E-03	4.55E-07	1.40E-06	4.39E-03	6.91E-07	2.72E-07
3911	484363.09, 3853377.25	2.65E-03	4.18E-07	1.64E-07	2.85E-03	4.49E-07	1.38E-06	4.44E-03	6.99E-07	2.75E-07
3912	484863.09, 3853377.25	2.07E-03	3.26E-07	1.28E-07	2.23E-03	3.51E-07	1.08E-06	3.52E-03	5.55E-07	2.18E-07
3913	485363.09, 3853377.25	1.49E-03	2.35E-07	9.24E-08	1.61E-03	2.54E-07	7.83E-07	2.58E-03	4.07E-07	1.60E-07
3914	485863.09, 3853377.25	1.26E-03	1.99E-07	7.81E-08	1.37E-03	2.15E-07	6.62E-07	2.20E-03	3.46E-07	1.36E-07
3915	486363.09, 3853377.25	1.37E-03	2.15E-07	8.45E-08	1.48E-03	2.33E-07	7.17E-07	2.38E-03	3.74E-07	1.47E-07
3916	486863.09, 3853377.25	1.43E-03	2.25E-07	8.84E-08	1.54E-03	2.43E-07	7.50E-07	2.48E-03	3.91E-07	1.54E-07
3917	487363.09, 3853377.25	1.54E-03	2.43E-07	9.55E-08	1.67E-03	2.63E-07	8.09E-07	2.67E-03	4.21E-07	1.65E-07
3918	487863.09, 3853377.25	1.62E-03	2.55E-07	1.00E-07	1.75E-03	2.75E-07	8.47E-07	2.79E-03	4.40E-07	1.73E-07
3919	488363.09, 3853377.25	1.71E-03	2.70E-07	1.06E-07	1.85E-03	2.92E-07	8.98E-07	2.96E-03	4.66E-07	1.83E-07
3920	488863.09, 3853377.25	1.72E-03	2.72E-07	1.07E-07	1.86E-03	2.93E-07	9.04E-07	2.97E-03	4.68E-07	1.84E-07
3921	489363.09, 3853377.25	1.73E-03	2.72E-07	1.07E-07	1.87E-03	2.94E-07	9.06E-07	2.98E-03	4.69E-07	1.84E-07
3922	489863.09, 3853377.25	1.68E-03	2.65E-07	1.04E-07	1.82E-03	2.87E-07	8.83E-07	2.90E-03	4.57E-07	1.80E-07
3923	490363.09, 3853377.25	1.78E-03	2.81E-07	1.10E-07	1.92E-03	3.03E-07	9.33E-07	3.07E-03	4.83E-07	1.90E-07
3924	490863.09, 3853377.25	1.83E-03	2.88E-07	1.13E-07	1.97E-03	3.11E-07	9.57E-07	3.14E-03	4.95E-07	1.95E-07
3925	491363.09, 3853377.25	1.87E-03	2.95E-07	1.16E-07	2.02E-03	3.18E-07	9.80E-07	3.22E-03	5.07E-07	1.99E-07
3926	491863.09, 3853377.25	1.90E-03	3.00E-07	1.18E-07	2.05E-03	3.24E-07	9.97E-07	3.27E-03	5.16E-07	2.03E-07
3927	492363.09, 3853377.25	1.98E-03	3.11E-07	1.22E-07	2.13E-03	3.36E-07	1.04E-06	3.40E-03	5.36E-07	2.10E-07
3928	492863.09, 3853377.25	2.04E-03	3.21E-07	1.26E-07	2.20E-03	3.47E-07	1.07E-06	3.51E-03	5.53E-07	2.17E-07
3929	493363.09, 3853377.25	2.03E-03	3.20E-07	1.26E-07	2.19E-03	3.45E-07	1.06E-06	3.49E-03	5.50E-07	2.16E-07
3930	493863.09, 3853377.25	1.99E-03	3.14E-07	1.23E-07	2.15E-03	3.39E-07	1.04E-06	3.43E-03	5.41E-07	2.12E-07
3931	494363.09, 3853377.25	1.90E-03	3.00E-07	1.18E-07	2.05E-03	3.24E-07	9.96E-07	3.28E-03	5.16E-07	2.03E-07
3932	494863.09, 3853377.25	1.78E-03	2.81E-07	1.10E-07	1.93E-03	3.04E-07	9.35E-07	3.07E-03	4.84E-07	1.90E-07
3933	495363.09, 3853377.25	1.72E-03	2.71E-07	1.07E-07	1.86E-03	2.93E-07	9.03E-07	2.97E-03	4.68E-07	1.84E-07
3934	495863.09, 3853377.25	1.63E-03	2.57E-07	1.01E-07	1.76E-03	2.77E-07	8.54E-07	2.81E-03	4.42E-07	1.74E-07
3935	496363.09, 3853377.25	1.50E-03	2.37E-07	9.31E-08	1.62E-03	2.56E-07	7.88E-07	2.59E-03	4.08E-07	1.60E-07
3936	496863.09, 3853377.25	1.33E-03	2.09E-07	8.23E-08	1.44E-03	2.26E-07	6.97E-07	2.29E-03	3.61E-07	1.42E-07
3937	497363.09, 3853377.25	1.13E-03	1.78E-07	6.98E-08	1.22E-03	1.92E-07	5.91E-07	1.94E-03	3.06E-07	1.20E-07
3938	497863.09, 3853377.25	7.99E-04	1.26E-07	4.94E-08	8.63E-04	1.36E-07	4.19E-07	1.38E-03	2.17E-07	8.52E-08
3939	498363.09, 3853377.25	6.47E-04	1.02E-07	4.00E-08	6.99E-04	1.10E-07	3.39E-07	1.12E-03	1.76E-07	6.90E-08
3940	471363.09, 3853877.25	2.99E-04	4.71E-08	1.85E-08	3.23E-04	5.08E-08	1.57E-07	5.14E-04	8.09E-08	3.18E-08
3941	471863.09, 3853877.25	3.29E-04	5.18E-08	2.03E-08	3.55E-04	5.59E-08	1.72E-07	5.65E-04	8.89E-08	3.49E-08
3942	472363.09, 3853877.25	3.48E-04	5.49E-08	2.16E-08	3.76E-04	5.92E-08	1.82E-07	5.99E-04	9.43E-08	3.70E-08
3943	472863.09, 3853877.25	3.75E-04	5.90E-08	2.32E-08	4.05E-04	6.37E-08	1.96E-07	6.44E-04	1.01E-07	3.99E-08
3944	473363.09, 3853877.25	3.93E-04	6.20E-08	2.43E-08	4.25E-04	6.69E-08	2.06E-07	6.76E-04	1.06E-07	4.18E-08
3945	473863.09, 3853877.25	4.15E-04	6.54E-08	2.57E-08	4.48E-04	7.06E-08	2.17E-07	7.13E-04	1.12E-07	4.41E-08
3946	474363.09, 3853877.25	4.47E-04	7.04E-08	2.76E-08	4.82E-04	7.60E-08	2.34E-07	7.67E-04	1.21E-07	4.75E-08
3947	474863.09, 3853877.25	4.73E-04	7.45E-08	2.93E-08	5.11E-04	8.05E-08	2.48E-07	8.12E-04	1.28E-07	5.03E-08
3948	475363.09, 3853877.25	4.63E-04	7.29E-08	2.86E-08	5.00E-04	7.87E-08	2.42E-07	7.94E-04	1.25E-07	4.91E-08
3949	475863.09, 3853877.25	4.04E-04	6.36E-08	2.50E-08	4.36E-04	6.87E-08	2.11E-07	6.93E-04	1.09E-07	4.29E-08
3950	476363.09, 3853877.25	3.51E-04	5.53E-08	2.17E-08	3.79E-04	5.98E-08	1.84E-07	6.04E-04	9.51E-08	3.74E-08
3951	476863.09, 3853877.25	2.92E-04	4.60E-08	1.81E-08	3.15E-04	4.97E-08	1.53E-07	5.03E-04	7.93E-08	3.11E-08
3952	477363.09, 3853877.25	3.19E-04	5.02E-08	1.97E-08	3.44E-04	5.42E-08	1.67E-07	5.49E-04	8.65E-08	3.40E-08
3953	477863.09, 3853877.25	3.65E-04	5.75E-08	2.26E-08	3.94E-04	6.21E-08	1.91E-07	6.28E-04	9.90E-08	3.89E-08
3954	478363.09, 3853877.25	3.91E-04	6.15E-08	2.42E-08	4.22E-04	6.64E-08	2.05E-07	6.72E-04	1.06E-07	4.16E-08
3955	478863.09, 3853877.25	3.06E-04	4.82E-08	1.89E-08	3.31E-04	5.21E-08	1.60E-07	5.29E-04	8.33E-08	3.27E-08
3956	479363.09, 3853877.25	4.09E-04	6.44E-08	2.53E-08	4.41E-04	6.95E-08	2.14E-07	7.05E-04	1.11E-07	4.36E-08
3957	479863.09, 3853877.25	7.26E-04	1.14E-07	4.49E-08	7.84E-04	1.23E-07	3.80E-07	1.25E-03	1.96E-07	7.71E-08
3958	480363.09, 3853877.25	1.10E-03	1.73E-07	6.80E-08	1.19E-03	1.87E-07	5.75E-07	1.88E-03	2.96E-07	1.16E-07
3959	480863.09, 3853877.25	1.99E-03	3.13E-07	1.23E-07	2.15E-03	3.38E-07	1.04E-06	3.41E-03	5.38E-07	2.11E-07
3960	481363.09, 3853877.25	2.85E-03	4.49E-07	1.76E-07	3.08E-03	4.85E-07	1.49E-06	4.90E-03	7.73E-07	3.04E-07
3961	481863.09, 3853877.25	4.10E-03	6.46E-07	2.54E-07	4.43E-03	6.97E-07	2.15E-06	7.05E-03	1.11E-06	4.37E-07
3962	482363.09, 3853877.25	6.10E-03	9.62E-07	3.78E-07	6.59E-03	1.04E-06	3.20E-06	1.05E-02	1.66E-06	6.50E-07
3963	482863.09, 3853877.25	2.88E-02	4.54E-06	1.78E-06	3.15E-02	4.96E-06	1.53E-05	5.46E-02	8.59E-06	3.38E-06
3964	483363.09, 3853877.25	1.11E-02	1.75E-06	6.87E-07	1.20E-02	1.89E-06	5.82E-06	1.93E-02	3.03E-06	1.19E-06

3965	483863.09, 3853877.25	7.82E-03	1.23E-06	4.84E-07	8.47E-03	1.33E-06	4.11E-06	1.37E-02	2.16E-06	8.48E-07
3966	484363.09, 3853877.25	5.25E-03	8.26E-07	3.25E-07	5.68E-03	8.95E-07	2.76E-06	9.21E-03	1.45E-06	5.70E-07
3967	484863.09, 3853877.25	3.62E-03	5.71E-07	2.24E-07	3.92E-03	6.18E-07	1.90E-06	6.38E-03	1.01E-06	3.95E-07
3968	485363.09, 3853877.25	2.54E-03	4.00E-07	1.57E-07	2.75E-03	4.34E-07	1.34E-06	4.48E-03	7.05E-07	2.77E-07
3969	485863.09, 3853877.25	2.73E-03	4.31E-07	1.69E-07	2.96E-03	4.66E-07	1.44E-06	4.78E-03	7.53E-07	2.96E-07
3970	486363.09, 3853877.25	2.67E-03	4.21E-07	1.65E-07	2.89E-03	4.55E-07	1.40E-06	4.64E-03	7.31E-07	2.87E-07
3971	486863.09, 3853877.25	2.54E-03	4.00E-07	1.57E-07	2.75E-03	4.32E-07	1.33E-06	4.40E-03	6.94E-07	2.72E-07
3972	487363.09, 3853877.25	2.61E-03	4.12E-07	1.62E-07	2.82E-03	4.45E-07	1.37E-06	4.51E-03	7.11E-07	2.79E-07
3973	487863.09, 3853877.25	2.85E-03	4.49E-07	1.76E-07	3.08E-03	4.85E-07	1.49E-06	4.91E-03	7.73E-07	3.04E-07
3974	488363.09, 3853877.25	2.90E-03	4.57E-07	1.80E-07	3.13E-03	4.94E-07	1.52E-06	4.99E-03	7.87E-07	3.09E-07
3975	488863.09, 3853877.25	3.03E-03	4.78E-07	1.88E-07	3.27E-03	5.16E-07	1.59E-06	5.21E-03	8.21E-07	3.23E-07
3976	489363.09, 3853877.25	2.84E-03	4.48E-07	1.76E-07	3.07E-03	4.83E-07	1.49E-06	4.88E-03	7.69E-07	3.02E-07
3977	489863.09, 3853877.25	2.85E-03	4.49E-07	1.76E-07	3.08E-03	4.85E-07	1.49E-06	4.90E-03	7.71E-07	3.03E-07
3978	490363.09, 3853877.25	2.76E-03	4.35E-07	1.71E-07	2.98E-03	4.70E-07	1.45E-06	4.75E-03	7.48E-07	2.94E-07
3979	490863.09, 3853877.25	2.74E-03	4.31E-07	1.69E-07	2.95E-03	4.65E-07	1.43E-06	4.70E-03	7.41E-07	2.91E-07
3980	491363.09, 3853877.25	2.72E-03	4.29E-07	1.69E-07	2.94E-03	4.63E-07	1.43E-06	4.68E-03	7.38E-07	2.90E-07
3981	491863.09, 3853877.25	2.70E-03	4.25E-07	1.67E-07	2.92E-03	4.59E-07	1.42E-06	4.64E-03	7.32E-07	2.87E-07
3982	492363.09, 3853877.25	2.77E-03	4.36E-07	1.71E-07	2.99E-03	4.71E-07	1.45E-06	4.76E-03	7.50E-07	2.95E-07
3983	492863.09, 3853877.25	2.76E-03	4.35E-07	1.71E-07	2.98E-03	4.70E-07	1.45E-06	4.75E-03	7.49E-07	2.94E-07
3984	493363.09, 3853877.25	2.66E-03	4.19E-07	1.65E-07	2.88E-03	4.53E-07	1.39E-06	4.58E-03	7.22E-07	2.84E-07
3985	493863.09, 3853877.25	2.53E-03	3.99E-07	1.57E-07	2.73E-03	4.30E-07	1.33E-06	4.36E-03	6.86E-07	2.70E-07
3986	494363.09, 3853877.25	2.42E-03	3.82E-07	1.50E-07	2.62E-03	4.13E-07	1.27E-06	4.18E-03	6.58E-07	2.59E-07
3987	494863.09, 3853877.25	2.27E-03	3.57E-07	1.40E-07	2.45E-03	3.86E-07	1.19E-06	3.91E-03	6.15E-07	2.42E-07
3988	495363.09, 3853877.25	1.97E-03	3.10E-07	1.22E-07	2.12E-03	3.35E-07	1.03E-06	3.39E-03	5.34E-07	2.10E-07
3989	495863.09, 3853877.25	1.74E-03	2.74E-07	1.08E-07	1.88E-03	2.96E-07	9.13E-07	3.00E-03	4.73E-07	1.86E-07
3990	496363.09, 3853877.25	1.60E-03	2.52E-07	9.89E-08	1.73E-03	2.72E-07	8.37E-07	2.75E-03	4.34E-07	1.70E-07
3991	496863.09, 3853877.25	1.37E-03	2.15E-07	8.45E-08	1.47E-03	2.32E-07	7.16E-07	2.35E-03	3.71E-07	1.46E-07
3992	497363.09, 3853877.25	1.18E-03	1.87E-07	7.33E-08	1.28E-03	2.02E-07	6.21E-07	2.04E-03	3.22E-07	1.26E-07
3993	497863.09, 3853877.25	9.58E-04	1.51E-07	5.93E-08	1.03E-03	1.63E-07	5.02E-07	1.65E-03	2.60E-07	1.02E-07
3994	498363.09, 3853877.25	8.27E-04	1.30E-07	5.12E-08	8.93E-04	1.41E-07	4.33E-07	1.43E-03	2.24E-07	8.82E-08
3995	471363.09, 3854377.25	3.10E-04	4.89E-08	1.92E-08	3.35E-04	5.28E-08	1.63E-07	5.33E-04	8.39E-08	3.30E-08
3996	471863.09, 3854377.25	3.42E-04	5.38E-08	2.12E-08	3.69E-04	5.81E-08	1.79E-07	5.87E-04	9.25E-08	3.63E-08
3997	472363.09, 3854377.25	3.65E-04	5.74E-08	2.26E-08	3.94E-04	6.20E-08	1.91E-07	6.26E-04	9.86E-08	3.87E-08
3998	472863.09, 3854377.25	3.82E-04	6.01E-08	2.36E-08	4.12E-04	6.49E-08	2.00E-07	6.55E-04	1.03E-07	4.05E-08
3999	473363.09, 3854377.25	4.07E-04	6.41E-08	2.52E-08	4.39E-04	6.92E-08	2.13E-07	6.98E-04	1.10E-07	4.32E-08
4000	473863.09, 3854377.25	4.39E-04	6.91E-08	2.72E-08	4.74E-04	7.46E-08	2.30E-07	7.52E-04	1.19E-07	4.66E-08
4001	474363.09, 3854377.25	4.73E-04	7.46E-08	2.93E-08	5.11E-04	8.05E-08	2.48E-07	8.12E-04	1.28E-07	5.03E-08
4002	474863.09, 3854377.25	4.56E-04	7.18E-08	2.82E-08	4.92E-04	7.75E-08	2.39E-07	7.82E-04	1.23E-07	4.84E-08
4003	475363.09, 3854377.25	3.98E-04	6.27E-08	2.46E-08	4.30E-04	6.77E-08	2.09E-07	6.83E-04	1.08E-07	4.23E-08
4004	475863.09, 3854377.25	2.95E-04	4.65E-08	1.83E-08	3.19E-04	5.02E-08	1.55E-07	5.08E-04	8.00E-08	3.14E-08
4005	476363.09, 3854377.25	2.78E-04	4.38E-08	1.72E-08	3.00E-04	4.73E-08	1.46E-07	4.78E-04	7.53E-08	2.96E-08
4006	476863.09, 3854377.25	2.77E-04	4.37E-08	1.72E-08	3.00E-04	4.72E-08	1.45E-07	4.78E-04	7.53E-08	2.96E-08
4007	477363.09, 3854377.25	2.84E-04	4.47E-08	1.76E-08	3.06E-04	4.83E-08	1.49E-07	4.89E-04	7.70E-08	3.03E-08
4008	477863.09, 3854377.25	2.96E-04	4.66E-08	1.83E-08	3.20E-04	5.03E-08	1.55E-07	5.10E-04	8.04E-08	3.16E-08
4009	478363.09, 3854377.25	3.45E-04	5.43E-08	2.13E-08	3.72E-04	5.87E-08	1.81E-07	5.94E-04	9.35E-08	3.67E-08
4010	478863.09, 3854377.25	3.80E-04	5.99E-08	2.35E-08	4.10E-04	6.47E-08	1.99E-07	6.54E-04	1.03E-07	4.05E-08
4011	479363.09, 3854377.25	5.63E-04	8.88E-08	3.49E-08	6.08E-04	9.58E-08	2.95E-07	9.68E-04	1.52E-07	5.99E-08
4012	479863.09, 3854377.25	7.36E-04	1.16E-07	4.56E-08	7.95E-04	1.25E-07	3.86E-07	1.26E-03	1.99E-07	7.81E-08
4013	480363.09, 3854377.25	1.06E-03	1.68E-07	6.59E-08	1.15E-03	1.81E-07	5.57E-07	1.82E-03	2.87E-07	1.13E-07
4014	480863.09, 3854377.25	1.81E-03	2.86E-07	1.12E-07	1.96E-03	3.08E-07	9.49E-07	3.09E-03	4.87E-07	1.92E-07
4015	481363.09, 3854377.25	3.06E-03	4.82E-07	1.89E-07	3.30E-03	5.21E-07	1.60E-06	5.24E-03	8.26E-07	3.25E-07
4016	481863.09, 3854377.25	5.49E-03	8.64E-07	3.40E-07	5.93E-03	9.34E-07	2.88E-06	9.51E-03	1.50E-06	5.89E-07
4017	482363.09, 3854377.25	8.76E-03	1.38E-06	5.42E-07	9.48E-03	1.49E-06	4.60E-06	1.54E-02	2.42E-06	9.50E-07
4018	482863.09, 3854377.25	3.48E-02	5.49E-06	2.16E-06	3.78E-02	5.96E-06	1.84E-05	6.29E-02	9.91E-06	3.89E-06
4019	483363.09, 3854377.25	3.77E-02	5.93E-06	2.33E-06	4.11E-02	6.47E-06	1.99E-05	7.02E-02	1.11E-05	4.34E-06
4020	483863.09, 3854377.25	1.56E-02	2.46E-06	9.65E-07	1.69E-02	2.67E-06	8.21E-06	2.80E-02	4.40E-06	1.73E-06
4021	484363.09, 3854377.25	9.01E-03	1.42E-06	5.57E-07	9.76E-03	1.54E-06	4.74E-06	1.59E-02	2.51E-06	9.87E-07
4022	484863.09, 3854377.25	6.13E-03	9.66E-07	3.80E-07	6.64E-03	1.05E-06	3.22E-06	1.08E-02	1.69E-06	6.66E-07
4023	485363.09, 3854377.25	6.55E-03	1.03E-06	4.05E-07	7.08E-03	1.11E-06	3.43E-06	1.13E-02	1.79E-06	7.02E-07
4024	485863.09, 3854377.25	5.11E-03	8.05E-07	3.16E-07	5.52E-03	8.70E-07	2.68E-06	8.83E-03	1.39E-06	5.46E-07
4025	486363.09, 3854377.25	5.08E-03	8.01E-07	3.15E-07	5.49E-03	8.65E-07	2.66E-06	8.74E-03	1.38E-06	5.41E-07
4026	486863.09, 3854377.25	4.60E-03	7.25E-07	2.85E-07	4.97E-03	7.83E-07	2.41E-06	7.90E-03	1.24E-06	4.89E-07
4027	487363.09, 3854377.25	4.58E-03	7.21E-07	2.83E-07	4.94E-03	7.78E-07	2.40E-06	7.84E-03	1.24E-06	4.85E-07
4028	487863.09, 3854377.25	4.72E-03	7.44E-07	2.92E-07	5.10E-03	8.03E-07	2.47E-06	8.09E-03	1.27E-06	5.01E-07

4029	488363.09, 3854377.25	4.71E-03	7.42E-07	2.91E-07	5.08E-03	8.00E-07	2.47E-06	8.07E-03	1.27E-06	4.99E-07
4030	488863.09, 3854377.25	4.65E-03	7.33E-07	2.88E-07	5.02E-03	7.91E-07	2.44E-06	7.98E-03	1.26E-06	4.94E-07
4031	489363.09, 3854377.25	4.53E-03	7.13E-07	2.80E-07	4.89E-03	7.70E-07	2.37E-06	7.77E-03	1.22E-06	4.81E-07
4032	489863.09, 3854377.25	4.34E-03	6.84E-07	2.69E-07	4.69E-03	7.39E-07	2.28E-06	7.46E-03	1.18E-06	4.62E-07
4033	490363.09, 3854377.25	4.11E-03	6.47E-07	2.54E-07	4.44E-03	6.99E-07	2.15E-06	7.06E-03	1.11E-06	4.37E-07
4034	490863.09, 3854377.25	3.38E-03	5.32E-07	2.09E-07	3.64E-03	5.74E-07	1.77E-06	5.79E-03	9.13E-07	3.59E-07
4035	491363.09, 3854377.25	3.61E-03	5.68E-07	2.23E-07	3.89E-03	6.14E-07	1.89E-06	6.20E-03	9.76E-07	3.84E-07
4036	491863.09, 3854377.25	3.74E-03	5.89E-07	2.32E-07	4.04E-03	6.36E-07	1.96E-06	6.43E-03	1.01E-06	3.98E-07
4037	492363.09, 3854377.25	3.71E-03	5.85E-07	2.30E-07	4.01E-03	6.32E-07	1.95E-06	6.39E-03	1.01E-06	3.96E-07
4038	492863.09, 3854377.25	3.56E-03	5.61E-07	2.20E-07	3.84E-03	6.05E-07	1.86E-06	6.13E-03	9.65E-07	3.79E-07
4039	493363.09, 3854377.25	3.34E-03	5.26E-07	2.07E-07	3.61E-03	5.68E-07	1.75E-06	5.75E-03	9.06E-07	3.56E-07
4040	493863.09, 3854377.25	3.12E-03	4.91E-07	1.93E-07	3.37E-03	5.31E-07	1.63E-06	5.37E-03	8.46E-07	3.32E-07
4041	494363.09, 3854377.25	2.91E-03	4.59E-07	1.80E-07	3.15E-03	4.96E-07	1.53E-06	5.02E-03	7.90E-07	3.11E-07
4042	494863.09, 3854377.25	2.39E-03	3.76E-07	1.48E-07	2.58E-03	4.06E-07	1.25E-06	4.11E-03	6.48E-07	2.54E-07
4043	495363.09, 3854377.25	1.92E-03	3.02E-07	1.19E-07	2.07E-03	3.26E-07	1.01E-06	3.30E-03	5.20E-07	2.04E-07
4044	495863.09, 3854377.25	1.63E-03	2.56E-07	1.01E-07	1.76E-03	2.77E-07	8.52E-07	2.80E-03	4.41E-07	1.73E-07
4045	496363.09, 3854377.25	1.48E-03	2.34E-07	9.18E-08	1.60E-03	2.52E-07	7.78E-07	2.56E-03	4.03E-07	1.58E-07
4046	496863.09, 3854377.25	1.31E-03	2.06E-07	8.10E-08	1.41E-03	2.23E-07	6.86E-07	2.25E-03	3.55E-07	1.40E-07
4047	497363.09, 3854377.25	1.06E-03	1.67E-07	6.55E-08	1.14E-03	1.80E-07	5.54E-07	1.82E-03	2.87E-07	1.13E-07
4048	497863.09, 3854377.25	1.07E-03	1.69E-07	6.64E-08	1.16E-03	1.82E-07	5.62E-07	1.85E-03	2.91E-07	1.14E-07
4049	498363.09, 3854377.25	9.36E-04	1.47E-07	5.79E-08	1.01E-03	1.59E-07	4.90E-07	1.61E-03	2.54E-07	9.98E-08
4050	471363.09, 3854877.25	3.16E-04	4.98E-08	1.96E-08	3.41E-04	5.37E-08	1.65E-07	5.42E-04	8.54E-08	3.35E-08
4051	471863.09, 3854877.25	3.42E-04	5.39E-08	2.12E-08	3.69E-04	5.81E-08	1.79E-07	5.86E-04	9.24E-08	3.63E-08
4052	472363.09, 3854877.25	3.65E-04	5.75E-08	2.26E-08	3.94E-04	6.21E-08	1.91E-07	6.26E-04	9.86E-08	3.87E-08
4053	472863.09, 3854877.25	3.76E-04	5.92E-08	2.33E-08	4.06E-04	6.40E-08	1.97E-07	6.45E-04	1.02E-07	3.99E-08
4054	473363.09, 3854877.25	4.13E-04	6.50E-08	2.55E-08	4.46E-04	7.02E-08	2.16E-07	7.08E-04	1.12E-07	4.38E-08
4055	473863.09, 3854877.25	4.50E-04	7.09E-08	2.78E-08	4.86E-04	7.65E-08	2.36E-07	7.72E-04	1.22E-07	4.78E-08
4056	474363.09, 3854877.25	4.98E-04	7.85E-08	3.08E-08	5.38E-04	8.47E-08	2.61E-07	8.55E-04	1.35E-07	5.29E-08
4057	474863.09, 3854877.25	4.18E-04	6.58E-08	2.59E-08	4.51E-04	7.10E-08	2.19E-07	7.16E-04	1.13E-07	4.43E-08
4058	475363.09, 3854877.25	3.35E-04	5.28E-08	2.07E-08	3.62E-04	5.70E-08	1.76E-07	5.75E-04	9.06E-08	3.56E-08
4059	475863.09, 3854877.25	2.69E-04	4.23E-08	1.66E-08	2.90E-04	4.57E-08	1.41E-07	4.61E-04	7.27E-08	2.86E-08
4060	476363.09, 3854877.25	1.94E-04	3.05E-08	1.20E-08	2.09E-04	3.30E-08	1.02E-07	3.34E-04	5.26E-08	2.07E-08
4061	476863.09, 3854877.25	1.96E-04	3.09E-08	1.22E-08	2.12E-04	3.34E-08	1.03E-07	3.39E-04	5.34E-08	2.10E-08
4062	477363.09, 3854877.25	2.37E-04	3.73E-08	1.46E-08	2.55E-04	4.02E-08	1.24E-07	4.08E-04	6.42E-08	2.52E-08
4063	477863.09, 3854877.25	2.77E-04	4.36E-08	1.71E-08	2.99E-04	4.71E-08	1.45E-07	4.77E-04	7.51E-08	2.95E-08
4064	478363.09, 3854877.25	3.66E-04	5.77E-08	2.27E-08	3.96E-04	6.23E-08	1.92E-07	6.30E-04	9.92E-08	3.90E-08
4065	478863.09, 3854877.25	5.14E-04	8.09E-08	3.18E-08	5.54E-04	8.73E-08	2.69E-07	8.81E-04	1.39E-07	5.45E-08
4066	479363.09, 3854877.25	7.25E-04	1.14E-07	4.49E-08	7.83E-04	1.23E-07	3.80E-07	1.24E-03	1.96E-07	7.68E-08
4067	479863.09, 3854877.25	1.02E-03	1.61E-07	6.31E-08	1.10E-03	1.73E-07	5.34E-07	1.74E-03	2.74E-07	1.08E-07
4068	480363.09, 3854877.25	1.38E-03	2.18E-07	8.55E-08	1.49E-03	2.35E-07	7.23E-07	2.35E-03	3.71E-07	1.46E-07
4069	480863.09, 3854877.25	2.24E-03	3.53E-07	1.39E-07	2.42E-03	3.81E-07	1.17E-06	3.82E-03	6.02E-07	2.37E-07
4070	481363.09, 3854877.25	3.19E-03	5.02E-07	1.97E-07	3.44E-03	5.42E-07	1.67E-06	5.44E-03	8.58E-07	3.37E-07
4071	481863.09, 3854877.25	3.55E-03	5.59E-07	2.20E-07	3.83E-03	6.03E-07	1.86E-06	6.04E-03	9.52E-07	3.74E-07
4072	482363.09, 3854877.25	9.14E-03	1.44E-06	5.65E-07	9.88E-03	1.56E-06	4.79E-06	1.59E-02	2.50E-06	9.81E-07
4073	482863.09, 3854877.25	1.88E-02	2.96E-06	1.16E-06	2.03E-02	3.20E-06	9.86E-06	3.27E-02	5.15E-06	2.02E-06
4074	483363.09, 3854877.25	1.06E-01	1.68E-05	6.59E-06	1.15E-01	1.82E-05	5.60E-05	1.90E-01	2.99E-05	1.17E-05
4075	483863.09, 3854877.25	9.44E-02	1.49E-05	5.84E-06	1.01E-01	1.60E-05	4.91E-05	1.55E-01	2.43E-05	9.56E-06
4076	484363.09, 3854877.25	3.09E-02	4.87E-06	1.91E-06	3.32E-02	5.23E-06	1.61E-05	5.14E-02	8.09E-06	3.18E-06
4077	484863.09, 3854877.25	1.95E-02	3.07E-06	1.21E-06	2.10E-02	3.31E-06	1.02E-05	3.29E-02	5.18E-06	2.03E-06
4078	485363.09, 3854877.25	1.45E-02	2.29E-06	9.00E-07	1.57E-02	2.47E-06	7.60E-06	2.46E-02	3.87E-06	1.52E-06
4079	485863.09, 3854877.25	1.13E-02	1.78E-06	6.98E-07	1.22E-02	1.92E-06	5.90E-06	1.91E-02	3.02E-06	1.18E-06
4080	486363.09, 3854877.25	9.20E-03	1.45E-06	5.70E-07	9.92E-03	1.56E-06	4.81E-06	1.57E-02	2.47E-06	9.69E-07
4081	486863.09, 3854877.25	7.95E-03	1.25E-06	4.92E-07	8.58E-03	1.35E-06	4.16E-06	1.35E-02	2.13E-06	8.38E-07
4082	487363.09, 3854877.25	7.63E-03	1.20E-06	4.73E-07	8.24E-03	1.30E-06	4.00E-06	1.30E-02	2.05E-06	8.06E-07
4083	487863.09, 3854877.25	7.35E-03	1.16E-06	4.55E-07	7.93E-03	1.25E-06	3.85E-06	1.26E-02	1.98E-06	7.78E-07
4084	488363.09, 3854877.25	7.13E-03	1.12E-06	4.41E-07	7.69E-03	1.21E-06	3.73E-06	1.22E-02	1.92E-06	7.55E-07
4085	488863.09, 3854877.25	6.98E-03	1.10E-06	4.32E-07	7.53E-03	1.19E-06	3.66E-06	1.20E-02	1.89E-06	7.41E-07
4086	489363.09, 3854877.25	6.61E-03	1.04E-06	4.09E-07	7.14E-03	1.12E-06	3.46E-06	1.14E-02	1.79E-06	7.03E-07
4087	489863.09, 3854877.25	5.97E-03	9.41E-07	3.70E-07	6.45E-03	1.02E-06	3.13E-06	1.03E-02	1.62E-06	6.35E-07
4088	490363.09, 3854877.25	4.50E-03	7.09E-07	2.79E-07	4.86E-03	7.66E-07	2.36E-06	7.72E-03	1.22E-06	4.78E-07
4089	490863.09, 3854877.25	3.29E-03	5.18E-07	2.04E-07	3.55E-03	5.60E-07	1.72E-06	5.64E-03	8.89E-07	3.49E-07
4090	491363.09, 3854877.25	3.46E-03	5.45E-07	2.14E-07	3.74E-03	5.89E-07	1.81E-06	5.94E-03	9.36E-07	3.68E-07
4091	491863.09, 3854877.25	4.80E-03	7.56E-07	2.97E-07	5.18E-03	8.17E-07	2.52E-06	8.26E-03	1.30E-06	5.11E-07
4092	492363.09, 3854877.25	4.70E-03	7.40E-07	2.91E-07	5.07E-03	7.99E-07	2.46E-06	8.09E-03	1.27E-06	5.01E-07

4093	492863.09, 3854877.25	4.38E-03	6.90E-07	2.71E-07	4.73E-03	7.46E-07	2.30E-06	7.55E-03	1.19E-06	4.67E-07
4094	493363.09, 3854877.25	4.01E-03	6.31E-07	2.48E-07	4.33E-03	6.82E-07	2.10E-06	6.91E-03	1.09E-06	4.27E-07
4095	493863.09, 3854877.25	3.70E-03	5.83E-07	2.29E-07	4.00E-03	6.30E-07	1.94E-06	6.38E-03	1.00E-06	3.95E-07
4096	494363.09, 3854877.25	2.86E-03	4.51E-07	1.77E-07	3.09E-03	4.87E-07	1.50E-06	4.92E-03	7.76E-07	3.05E-07
4097	494863.09, 3854877.25	2.13E-03	3.35E-07	1.32E-07	2.30E-03	3.62E-07	1.12E-06	3.66E-03	5.77E-07	2.27E-07
4098	495363.09, 3854877.25	1.72E-03	2.71E-07	1.07E-07	1.86E-03	2.93E-07	9.02E-07	2.96E-03	4.67E-07	1.83E-07
4099	495863.09, 3854877.25	1.50E-03	2.36E-07	9.27E-08	1.62E-03	2.55E-07	7.85E-07	2.58E-03	4.06E-07	1.59E-07
4100	496363.09, 3854877.25	1.22E-03	1.93E-07	7.58E-08	1.32E-03	2.08E-07	6.42E-07	2.11E-03	3.32E-07	1.30E-07
4101	496863.09, 3854877.25	1.06E-03	1.67E-07	6.56E-08	1.14E-03	1.80E-07	5.55E-07	1.82E-03	2.87E-07	1.13E-07
4102	497363.09, 3854877.25	1.00E-03	1.58E-07	6.19E-08	1.08E-03	1.70E-07	5.24E-07	1.72E-03	2.71E-07	1.06E-07
4103	497863.09, 3854877.25	1.07E-03	1.68E-07	6.62E-08	1.15E-03	1.82E-07	5.60E-07	1.84E-03	2.90E-07	1.14E-07
4104	498363.09, 3854877.25	1.03E-03	1.62E-07	6.35E-08	1.11E-03	1.75E-07	5.38E-07	1.77E-03	2.78E-07	1.09E-07
4105	471363.09, 3855377.25	3.21E-04	5.05E-08	1.99E-08	3.46E-04	5.46E-08	1.68E-07	5.50E-04	8.67E-08	3.40E-08
4106	471863.09, 3855377.25	3.37E-04	5.31E-08	2.09E-08	3.64E-04	5.73E-08	1.76E-07	5.78E-04	9.10E-08	3.57E-08
4107	472363.09, 3855377.25	3.67E-04	5.78E-08	2.27E-08	3.96E-04	6.23E-08	1.92E-07	6.29E-04	9.90E-08	3.89E-08
4108	472863.09, 3855377.25	3.84E-04	6.06E-08	2.38E-08	4.15E-04	6.54E-08	2.01E-07	6.59E-04	1.04E-07	4.08E-08
4109	473363.09, 3855377.25	4.28E-04	6.75E-08	2.65E-08	4.62E-04	7.28E-08	2.24E-07	7.35E-04	1.16E-07	4.55E-08
4110	473863.09, 3855377.25	4.67E-04	7.36E-08	2.89E-08	5.05E-04	7.95E-08	2.45E-07	8.02E-04	1.26E-07	4.97E-08
4111	474363.09, 3855377.25	5.03E-04	7.93E-08	3.12E-08	5.43E-04	8.56E-08	2.64E-07	8.64E-04	1.36E-07	5.35E-08
4112	474863.09, 3855377.25	4.33E-04	6.82E-08	2.68E-08	4.67E-04	7.36E-08	2.27E-07	7.43E-04	1.17E-07	4.60E-08
4113	475363.09, 3855377.25	2.31E-04	3.64E-08	1.43E-08	2.49E-04	3.93E-08	1.21E-07	3.96E-04	6.24E-08	2.45E-08
4114	475863.09, 3855377.25	1.87E-04	2.95E-08	1.16E-08	2.02E-04	3.18E-08	9.80E-08	3.22E-04	5.07E-08	1.99E-08
4115	476363.09, 3855377.25	2.19E-04	3.45E-08	1.35E-08	2.36E-04	3.72E-08	1.15E-07	3.76E-04	5.92E-08	2.33E-08
4116	476863.09, 3855377.25	2.19E-04	3.45E-08	1.36E-08	2.37E-04	3.73E-08	1.15E-07	3.76E-04	5.93E-08	2.33E-08
4117	477363.09, 3855377.25	2.45E-04	3.86E-08	1.52E-08	2.65E-04	4.17E-08	1.28E-07	4.21E-04	6.63E-08	2.61E-08
4118	477863.09, 3855377.25	3.15E-04	4.97E-08	1.95E-08	3.40E-04	5.36E-08	1.65E-07	5.41E-04	8.52E-08	3.35E-08
4119	478363.09, 3855377.25	4.06E-04	6.40E-08	2.51E-08	4.38E-04	6.91E-08	2.13E-07	6.96E-04	1.10E-07	4.31E-08
4120	478863.09, 3855377.25	5.15E-04	8.11E-08	3.19E-08	5.56E-04	8.75E-08	2.70E-07	8.82E-04	1.39E-07	5.46E-08
4121	479363.09, 3855377.25	6.98E-04	1.10E-07	4.32E-08	7.54E-04	1.19E-07	3.66E-07	1.19E-03	1.88E-07	7.39E-08
4122	479863.09, 3855377.25	9.27E-04	1.46E-07	5.74E-08	1.00E-03	1.58E-07	4.85E-07	1.58E-03	2.50E-07	9.80E-08
4123	480363.09, 3855377.25	1.43E-03	2.26E-07	8.87E-08	1.55E-03	2.44E-07	7.50E-07	2.44E-03	3.85E-07	1.51E-07
4124	480863.09, 3855377.25	2.47E-03	3.89E-07	1.53E-07	2.67E-03	4.20E-07	1.29E-06	4.22E-03	6.65E-07	2.61E-07
4125	481363.09, 3855377.25	4.05E-03	6.39E-07	2.51E-07	4.38E-03	6.89E-07	2.12E-06	6.95E-03	1.09E-06	4.30E-07
4126	481863.09, 3855377.25	5.87E-03	9.25E-07	3.63E-07	6.34E-03	9.99E-07	3.08E-06	1.01E-02	1.59E-06	6.24E-07
4127	482363.09, 3855377.25	7.99E-03	1.26E-06	4.95E-07	8.63E-03	1.36E-06	4.19E-06	1.37E-02	2.16E-06	8.50E-07
4128	482863.09, 3855377.25	1.21E-02	1.90E-06	7.46E-07	1.30E-02	2.05E-06	6.32E-06	2.06E-02	3.25E-06	1.28E-06
4129	483363.09, 3855377.25	2.02E-02	3.19E-06	1.25E-06	2.18E-02	3.43E-06	1.06E-05	3.42E-02	5.39E-06	2.12E-06
4130	483863.09, 3855377.25	8.45E-02	1.33E-05	5.23E-06	9.11E-02	1.44E-05	4.42E-05	1.43E-01	2.26E-05	8.87E-06
4131	484363.09, 3855377.25	1.19E-01	1.87E-05	7.35E-06	1.27E-01	2.01E-05	6.19E-05	1.95E-01	3.07E-05	1.21E-05
4132	484863.09, 3855377.25	5.39E-02	8.48E-06	3.33E-06	5.80E-02	9.13E-06	2.81E-05	9.01E-02	1.42E-05	5.57E-06
4133	485363.09, 3855377.25	3.11E-02	4.90E-06	1.93E-06	3.35E-02	5.28E-06	1.63E-05	5.24E-02	8.25E-06	3.24E-06
4134	485863.09, 3855377.25	2.21E-02	3.49E-06	1.37E-06	2.39E-02	3.76E-06	1.16E-05	3.75E-02	5.90E-06	2.32E-06
4135	486363.09, 3855377.25	1.61E-02	2.54E-06	9.98E-07	1.74E-02	2.74E-06	8.44E-06	2.74E-02	4.31E-06	1.69E-06
4136	486863.09, 3855377.25	1.27E-02	2.00E-06	7.84E-07	1.37E-02	2.15E-06	6.63E-06	2.16E-02	3.40E-06	1.33E-06
4137	487363.09, 3855377.25	1.18E-02	1.86E-06	7.30E-07	1.27E-02	2.01E-06	6.18E-06	2.01E-02	3.17E-06	1.25E-06
4138	487863.09, 3855377.25	1.10E-02	1.73E-06	6.82E-07	1.19E-02	1.87E-06	5.77E-06	1.89E-02	2.97E-06	1.17E-06
4139	488363.09, 3855377.25	1.03E-02	1.63E-06	6.40E-07	1.12E-02	1.76E-06	5.42E-06	1.78E-02	2.80E-06	1.10E-06
4140	488863.09, 3855377.25	9.71E-03	1.53E-06	6.01E-07	1.05E-02	1.65E-06	5.09E-06	1.67E-02	2.63E-06	1.03E-06
4141	489363.09, 3855377.25	8.97E-03	1.41E-06	5.55E-07	9.69E-03	1.53E-06	4.70E-06	1.54E-02	2.43E-06	9.55E-07
4142	489863.09, 3855377.25	8.10E-03	1.28E-06	5.02E-07	8.75E-03	1.38E-06	4.25E-06	1.39E-02	2.20E-06	8.63E-07
4143	490363.09, 3855377.25	7.69E-03	1.21E-06	4.76E-07	8.31E-03	1.31E-06	4.03E-06	1.32E-02	2.09E-06	8.20E-07
4144	490863.09, 3855377.25	4.98E-03	7.84E-07	3.08E-07	5.37E-03	8.46E-07	2.61E-06	8.54E-03	1.35E-06	5.29E-07
4145	491363.09, 3855377.25	4.24E-03	6.67E-07	2.62E-07	4.57E-03	7.20E-07	2.22E-06	7.27E-03	1.15E-06	4.50E-07
4146	491863.09, 3855377.25	5.90E-03	9.30E-07	3.65E-07	6.38E-03	1.00E-06	3.09E-06	1.02E-02	1.60E-06	6.30E-07
4147	492363.09, 3855377.25	5.64E-03	8.88E-07	3.49E-07	6.09E-03	9.59E-07	2.96E-06	9.72E-03	1.53E-06	6.02E-07
4148	492863.09, 3855377.25	5.16E-03	8.13E-07	3.19E-07	5.58E-03	8.78E-07	2.71E-06	8.90E-03	1.40E-06	5.51E-07
4149	493363.09, 3855377.25	4.46E-03	7.03E-07	2.76E-07	4.82E-03	7.60E-07	2.34E-06	7.69E-03	1.21E-06	4.76E-07
4150	493863.09, 3855377.25	3.45E-03	5.43E-07	2.13E-07	3.72E-03	5.86E-07	1.81E-06	5.93E-03	9.35E-07	3.67E-07
4151	494363.09, 3855377.25	2.57E-03	4.05E-07	1.59E-07	2.78E-03	4.38E-07	1.35E-06	4.43E-03	6.97E-07	2.74E-07
4152	494863.09, 3855377.25	1.91E-03	3.02E-07	1.18E-07	2.07E-03	3.26E-07	1.00E-06	3.29E-03	5.19E-07	2.04E-07
4153	495363.09, 3855377.25	1.51E-03	2.37E-07	9.32E-08	1.63E-03	2.56E-07	7.89E-07	2.59E-03	4.08E-07	1.60E-07
4154	495863.09, 3855377.25	1.25E-03	1.96E-07	7.71E-08	1.35E-03	2.12E-07	6.53E-07	2.14E-03	3.38E-07	1.33E-07
4155	496363.09, 3855377.25	1.17E-03	1.84E-07	7.23E-08	1.26E-03	1.99E-07	6.12E-07	2.01E-03	3.16E-07	1.24E-07
4156	496863.09, 3855377.25	1.11E-03	1.75E-07	6.87E-08	1.20E-03	1.89E-07	5.81E-07	1.91E-03	3.01E-07	1.18E-07

4157	497363.09, 3855377.25	1.09E-03	1.72E-07	6.77E-08	1.18E-03	1.86E-07	5.73E-07	1.88E-03	2.96E-07	1.16E-07
4158	497863.09, 3855377.25	1.12E-03	1.76E-07	6.92E-08	1.21E-03	1.90E-07	5.86E-07	1.92E-03	3.03E-07	1.19E-07
4159	498363.09, 3855377.25	1.16E-03	1.82E-07	7.15E-08	1.25E-03	1.97E-07	6.05E-07	1.99E-03	3.13E-07	1.23E-07
4160	471363.09, 3855877.25	3.30E-04	5.20E-08	2.04E-08	3.56E-04	5.61E-08	1.73E-07	5.66E-04	8.91E-08	3.50E-08
4161	471863.09, 3855877.25	3.46E-04	5.45E-08	2.14E-08	3.74E-04	5.89E-08	1.81E-07	5.93E-04	9.35E-08	3.67E-08
4162	472363.09, 3855877.25	3.84E-04	6.04E-08	2.37E-08	4.14E-04	6.52E-08	2.01E-07	6.58E-04	1.04E-07	4.07E-08
4163	472863.09, 3855877.25	3.94E-04	6.20E-08	2.44E-08	4.25E-04	6.69E-08	2.06E-07	6.74E-04	1.06E-07	4.17E-08
4164	473363.09, 3855877.25	4.45E-04	7.01E-08	2.75E-08	4.80E-04	7.57E-08	2.33E-07	7.63E-04	1.20E-07	4.72E-08
4165	473863.09, 3855877.25	4.87E-04	7.66E-08	3.01E-08	5.25E-04	8.27E-08	2.55E-07	8.33E-04	1.31E-07	5.16E-08
4166	474363.09, 3855877.25	5.16E-04	8.12E-08	3.19E-08	5.56E-04	8.77E-08	2.70E-07	8.83E-04	1.39E-07	5.46E-08
4167	474863.09, 3855877.25	4.10E-04	6.46E-08	2.54E-08	4.43E-04	6.97E-08	2.15E-07	7.02E-04	1.11E-07	4.34E-08
4168	475363.09, 3855877.25	2.74E-04	4.31E-08	1.69E-08	2.95E-04	4.65E-08	1.43E-07	4.69E-04	7.38E-08	2.90E-08
4169	475863.09, 3855877.25	1.43E-04	2.25E-08	8.84E-09	1.54E-04	2.43E-08	7.49E-08	2.46E-04	3.87E-08	1.52E-08
4170	476363.09, 3855877.25	1.54E-04	2.43E-08	9.56E-09	1.67E-04	2.63E-08	8.09E-08	2.66E-04	4.18E-08	1.64E-08
4171	476863.09, 3855877.25	2.22E-04	3.49E-08	1.37E-08	2.39E-04	3.77E-08	1.16E-07	3.80E-04	5.99E-08	2.35E-08
4172	477363.09, 3855877.25	2.66E-04	4.20E-08	1.65E-08	2.88E-04	4.53E-08	1.40E-07	4.57E-04	7.19E-08	2.83E-08
4173	477863.09, 3855877.25	3.29E-04	5.18E-08	2.04E-08	3.55E-04	5.59E-08	1.72E-07	5.64E-04	8.88E-08	3.49E-08
4174	478363.09, 3855877.25	4.14E-04	6.52E-08	2.56E-08	4.47E-04	7.03E-08	2.17E-07	7.08E-04	1.12E-07	4.38E-08
4175	478863.09, 3855877.25	5.51E-04	8.68E-08	3.41E-08	5.94E-04	9.36E-08	2.88E-07	9.41E-04	1.48E-07	5.83E-08
4176	479363.09, 3855877.25	7.59E-04	1.19E-07	4.69E-08	8.18E-04	1.29E-07	3.97E-07	1.30E-03	2.04E-07	8.02E-08
4177	479863.09, 3855877.25	1.03E-03	1.63E-07	6.38E-08	1.11E-03	1.75E-07	5.40E-07	1.76E-03	2.77E-07	1.09E-07
4178	480363.09, 3855877.25	1.52E-03	2.39E-07	9.41E-08	1.64E-03	2.58E-07	7.96E-07	2.59E-03	4.08E-07	1.60E-07
4179	480863.09, 3855877.25	2.39E-03	3.77E-07	1.48E-07	2.58E-03	4.06E-07	1.25E-06	4.08E-03	6.42E-07	2.52E-07
4180	481363.09, 3855877.25	2.76E-03	4.34E-07	1.71E-07	2.97E-03	4.68E-07	1.44E-06	4.69E-03	7.39E-07	2.90E-07
4181	481863.09, 3855877.25	5.33E-03	8.40E-07	3.30E-07	5.76E-03	9.07E-07	2.79E-06	9.13E-03	1.44E-06	5.65E-07
4182	482363.09, 3855877.25	6.83E-03	1.08E-06	4.23E-07	7.37E-03	1.16E-06	3.58E-06	1.17E-02	1.84E-06	7.22E-07
4183	482863.09, 3855877.25	9.19E-03	1.45E-06	5.69E-07	9.91E-03	1.56E-06	4.81E-06	1.57E-02	2.47E-06	9.69E-07
4184	483363.09, 3855877.25	1.28E-02	2.02E-06	7.93E-07	1.38E-02	2.18E-06	6.70E-06	2.17E-02	3.42E-06	1.34E-06
4185	483863.09, 3855877.25	1.96E-02	3.09E-06	1.22E-06	2.12E-02	3.33E-06	1.03E-05	3.30E-02	5.20E-06	2.04E-06
4186	484363.09, 3855877.25	5.38E-02	8.47E-06	3.33E-06	5.78E-02	9.10E-06	2.80E-05	8.85E-02	1.39E-05	5.48E-06
4187	484863.09, 3855877.25	1.57E-01	2.47E-05	9.69E-06	1.69E-01	2.66E-05	8.21E-05	2.69E-01	4.23E-05	1.66E-05
4188	485363.09, 3855877.25	7.01E-02	1.11E-05	4.34E-06	7.57E-02	1.19E-05	3.67E-05	1.20E-01	1.90E-05	7.45E-06
4189	485863.09, 3855877.25	3.84E-02	6.05E-06	2.38E-06	4.14E-02	6.53E-06	2.01E-05	6.58E-02	1.04E-05	4.07E-06
4190	486363.09, 3855877.25	2.51E-02	3.96E-06	1.55E-06	2.71E-02	4.27E-06	1.32E-05	4.30E-02	6.77E-06	2.66E-06
4191	486863.09, 3855877.25	1.94E-02	3.05E-06	1.20E-06	2.09E-02	3.30E-06	1.02E-05	3.32E-02	5.23E-06	2.06E-06
4192	487363.09, 3855877.25	1.74E-02	2.74E-06	1.08E-06	1.88E-02	2.96E-06	9.11E-06	2.98E-02	4.70E-06	1.85E-06
4193	487863.09, 3855877.25	1.58E-02	2.49E-06	9.77E-07	1.70E-02	2.69E-06	8.27E-06	2.71E-02	4.27E-06	1.68E-06
4194	488363.09, 3855877.25	1.42E-02	2.24E-06	8.79E-07	1.53E-02	2.42E-06	7.44E-06	2.44E-02	3.85E-06	1.51E-06
4195	488863.09, 3855877.25	1.29E-02	2.03E-06	7.97E-07	1.39E-02	2.19E-06	6.75E-06	2.22E-02	3.49E-06	1.37E-06
4196	489363.09, 3855877.25	1.17E-02	1.84E-06	7.22E-07	1.26E-02	1.99E-06	6.12E-06	2.01E-02	3.17E-06	1.24E-06
4197	489863.09, 3855877.25	1.06E-02	1.67E-06	6.55E-07	1.14E-02	1.80E-06	5.54E-06	1.82E-02	2.87E-06	1.13E-06
4198	490363.09, 3855877.25	9.67E-03	1.52E-06	5.98E-07	1.04E-02	1.65E-06	5.07E-06	1.67E-02	2.63E-06	1.03E-06
4199	490863.09, 3855877.25	8.61E-03	1.36E-06	5.33E-07	9.31E-03	1.47E-06	4.51E-06	1.49E-02	2.34E-06	9.20E-07
4200	491363.09, 3855877.25	7.16E-03	1.13E-06	4.43E-07	7.73E-03	1.22E-06	3.75E-06	1.23E-02	1.94E-06	7.64E-07
4201	491863.09, 3855877.25	7.22E-03	1.14E-06	4.47E-07	7.80E-03	1.23E-06	3.78E-06	1.25E-02	1.96E-06	7.71E-07
4202	492363.09, 3855877.25	6.44E-03	1.01E-06	3.99E-07	6.96E-03	1.10E-06	3.38E-06	1.11E-02	1.75E-06	6.88E-07
4203	492863.09, 3855877.25	5.80E-03	9.13E-07	3.59E-07	6.26E-03	9.86E-07	3.04E-06	1.00E-02	1.58E-06	6.19E-07
4204	493363.09, 3855877.25	4.42E-03	6.96E-07	2.73E-07	4.77E-03	7.52E-07	2.32E-06	7.62E-03	1.20E-06	4.71E-07
4205	493863.09, 3855877.25	3.15E-03	4.96E-07	1.95E-07	3.40E-03	5.36E-07	1.65E-06	5.42E-03	8.54E-07	3.35E-07
4206	494363.09, 3855877.25	2.25E-03	3.55E-07	1.39E-07	2.43E-03	3.83E-07	1.18E-06	3.87E-03	6.10E-07	2.40E-07
4207	494863.09, 3855877.25	1.72E-03	2.71E-07	1.07E-07	1.86E-03	2.93E-07	9.02E-07	2.96E-03	4.66E-07	1.83E-07
4208	495363.09, 3855877.25	1.26E-03	1.98E-07	7.78E-08	1.36E-03	2.14E-07	6.59E-07	2.16E-03	3.40E-07	1.34E-07
4209	495863.09, 3855877.25	1.19E-03	1.87E-07	7.36E-08	1.28E-03	2.02E-07	6.23E-07	2.04E-03	3.22E-07	1.27E-07
4210	496363.09, 3855877.25	1.14E-03	1.80E-07	7.09E-08	1.24E-03	1.95E-07	6.00E-07	1.97E-03	3.10E-07	1.22E-07
4211	496863.09, 3855877.25	1.15E-03	1.81E-07	7.11E-08	1.24E-03	1.96E-07	6.02E-07	1.98E-03	3.11E-07	1.22E-07
4212	497363.09, 3855877.25	1.16E-03	1.83E-07	7.20E-08	1.26E-03	1.98E-07	6.10E-07	2.00E-03	3.15E-07	1.24E-07
4213	497863.09, 3855877.25	1.20E-03	1.89E-07	7.43E-08	1.30E-03	2.04E-07	6.29E-07	2.06E-03	3.25E-07	1.28E-07
4214	498363.09, 3855877.25	1.32E-03	2.08E-07	8.17E-08	1.43E-03	2.25E-07	6.92E-07	2.27E-03	3.58E-07	1.41E-07
4215	471363.09, 3856377.25	3.39E-04	5.35E-08	2.10E-08	3.66E-04	5.77E-08	1.78E-07	5.81E-04	9.15E-08	3.59E-08
4216	471863.09, 3856377.25	3.53E-04	5.57E-08	2.19E-08	3.81E-04	6.01E-08	1.85E-07	6.05E-04	9.53E-08	3.74E-08
4217	472363.09, 3856377.25	3.81E-04	6.01E-08	2.36E-08	4.12E-04	6.49E-08	2.00E-07	6.53E-04	1.03E-07	4.04E-08
4218	472863.09, 3856377.25	4.18E-04	6.58E-08	2.58E-08	4.51E-04	7.10E-08	2.19E-07	7.15E-04	1.13E-07	4.42E-08
4219	473363.09, 3856377.25	4.50E-04	7.09E-08	2.79E-08	4.86E-04	7.65E-08	2.36E-07	7.70E-04	1.21E-07	4.77E-08
4220	473863.09, 3856377.25	5.09E-04	8.02E-08	3.15E-08	5.50E-04	8.66E-08	2.67E-07	8.72E-04	1.37E-07	5.39E-08

4221	474363.09, 3856377.25	5.03E-04	7.92E-08	3.11E-08	5.42E-04	8.54E-08	2.63E-07	8.60E-04	1.35E-07	5.32E-08
4222	474863.09, 3856377.25	4.71E-04	7.42E-08	2.92E-08	5.08E-04	8.01E-08	2.47E-07	8.05E-04	1.27E-07	4.98E-08
4223	475363.09, 3856377.25	3.77E-04	5.94E-08	2.33E-08	4.07E-04	6.41E-08	1.98E-07	6.45E-04	1.02E-07	3.99E-08
4224	475863.09, 3856377.25	2.70E-04	4.26E-08	1.67E-08	2.92E-04	4.60E-08	1.42E-07	4.62E-04	7.28E-08	2.86E-08
4225	476363.09, 3856377.25	2.61E-04	4.11E-08	1.62E-08	2.82E-04	4.44E-08	1.37E-07	4.47E-04	7.04E-08	2.76E-08
4226	476863.09, 3856377.25	2.72E-04	4.29E-08	1.69E-08	2.94E-04	4.63E-08	1.43E-07	4.66E-04	7.34E-08	2.88E-08
4227	477363.09, 3856377.25	2.96E-04	4.67E-08	1.83E-08	3.20E-04	5.04E-08	1.55E-07	5.06E-04	7.98E-08	3.13E-08
4228	477863.09, 3856377.25	2.54E-04	4.00E-08	1.57E-08	2.74E-04	4.31E-08	1.33E-07	4.34E-04	6.84E-08	2.69E-08
4229	478363.09, 3856377.25	2.38E-04	3.74E-08	1.47E-08	2.56E-04	4.04E-08	1.24E-07	4.06E-04	6.40E-08	2.51E-08
4230	478863.09, 3856377.25	4.38E-04	6.90E-08	2.71E-08	4.72E-04	7.44E-08	2.29E-07	7.48E-04	1.18E-07	4.63E-08
4231	479363.09, 3856377.25	5.77E-04	9.08E-08	3.57E-08	6.22E-04	9.80E-08	3.02E-07	9.84E-04	1.55E-07	6.09E-08
4232	479863.09, 3856377.25	9.87E-04	1.55E-07	6.11E-08	1.06E-03	1.68E-07	5.17E-07	1.68E-03	2.65E-07	1.04E-07
4233	480363.09, 3856377.25	1.64E-03	2.59E-07	1.02E-07	1.77E-03	2.79E-07	8.59E-07	2.80E-03	4.41E-07	1.73E-07
4234	480863.09, 3856377.25	2.41E-03	3.79E-07	1.49E-07	2.60E-03	4.09E-07	1.26E-06	4.11E-03	6.47E-07	2.54E-07
4235	481363.09, 3856377.25	3.46E-03	5.45E-07	2.14E-07	3.73E-03	5.88E-07	1.81E-06	5.92E-03	9.32E-07	3.66E-07
4236	481863.09, 3856377.25	4.83E-03	7.61E-07	2.99E-07	5.21E-03	8.21E-07	2.53E-06	8.27E-03	1.30E-06	5.12E-07
4237	482363.09, 3856377.25	5.89E-03	9.28E-07	3.65E-07	6.35E-03	1.00E-06	3.08E-06	1.00E-02	1.58E-06	6.22E-07
4238	482863.09, 3856377.25	7.43E-03	1.17E-06	4.60E-07	8.02E-03	1.26E-06	3.89E-06	1.26E-02	1.99E-06	7.82E-07
4239	483363.09, 3856377.25	9.53E-03	1.50E-06	5.90E-07	1.03E-02	1.62E-06	4.99E-06	1.61E-02	2.54E-06	9.99E-07
4240	483863.09, 3856377.25	1.29E-02	2.03E-06	7.96E-07	1.39E-02	2.18E-06	6.72E-06	2.17E-02	3.42E-06	1.34E-06
4241	484363.09, 3856377.25	1.87E-02	2.95E-06	1.16E-06	2.02E-02	3.18E-06	9.78E-06	3.14E-02	4.94E-06	1.94E-06
4242	484863.09, 3856377.25	3.87E-02	6.09E-06	2.39E-06	4.15E-02	6.54E-06	2.01E-05	6.33E-02	9.97E-06	3.92E-06
4243	485363.09, 3856377.25	1.45E-01	2.28E-05	8.96E-06	1.56E-01	2.46E-05	7.57E-05	2.45E-01	3.87E-05	1.52E-05
4244	485863.09, 3856377.25	8.84E-02	1.39E-05	5.47E-06	9.56E-02	1.51E-05	4.64E-05	1.54E-01	2.43E-05	9.54E-06
4245	486363.09, 3856377.25	3.90E-02	6.14E-06	2.41E-06	4.21E-02	6.64E-06	2.04E-05	6.74E-02	1.06E-05	4.17E-06
4246	486863.09, 3856377.25	2.98E-02	4.70E-06	1.84E-06	3.22E-02	5.07E-06	1.56E-05	5.14E-02	8.10E-06	3.18E-06
4247	487363.09, 3856377.25	2.50E-02	3.94E-06	1.55E-06	2.70E-02	4.25E-06	1.31E-05	4.31E-02	6.79E-06	2.67E-06
4248	487863.09, 3856377.25	2.17E-02	3.42E-06	1.34E-06	2.34E-02	3.69E-06	1.14E-05	3.74E-02	5.89E-06	2.31E-06
4249	488363.09, 3856377.25	1.88E-02	2.96E-06	1.16E-06	2.03E-02	3.20E-06	9.85E-06	3.24E-02	5.10E-06	2.01E-06
4250	488863.09, 3856377.25	1.65E-02	2.60E-06	1.02E-06	1.78E-02	2.80E-06	8.64E-06	2.84E-02	4.48E-06	1.76E-06
4251	489363.09, 3856377.25	1.45E-02	2.29E-06	9.00E-07	1.57E-02	2.48E-06	7.62E-06	2.51E-02	3.95E-06	1.55E-06
4252	489863.09, 3856377.25	1.29E-02	2.04E-06	8.00E-07	1.40E-02	2.20E-06	6.78E-06	2.23E-02	3.52E-06	1.38E-06
4253	490363.09, 3856377.25	1.15E-02	1.81E-06	7.10E-07	1.24E-02	1.95E-06	6.01E-06	1.98E-02	3.12E-06	1.23E-06
4254	490863.09, 3856377.25	1.02E-02	1.61E-06	6.31E-07	1.10E-02	1.74E-06	5.35E-06	1.76E-02	2.78E-06	1.09E-06
4255	491363.09, 3856377.25	9.14E-03	1.44E-06	5.66E-07	9.88E-03	1.56E-06	4.79E-06	1.58E-02	2.49E-06	9.78E-07
4256	491863.09, 3856377.25	8.14E-03	1.28E-06	5.04E-07	8.79E-03	1.39E-06	4.27E-06	1.41E-02	2.22E-06	8.70E-07
4257	492363.09, 3856377.25	7.09E-03	1.12E-06	4.39E-07	7.66E-03	1.21E-06	3.72E-06	1.23E-02	1.93E-06	7.58E-07
4258	492863.09, 3856377.25	5.66E-03	8.92E-07	3.50E-07	6.12E-03	9.64E-07	2.97E-06	9.77E-03	1.54E-06	6.05E-07
4259	493363.09, 3856377.25	3.63E-03	5.72E-07	2.25E-07	3.92E-03	6.18E-07	1.90E-06	6.26E-03	9.86E-07	3.87E-07
4260	493863.09, 3856377.25	2.81E-03	4.43E-07	1.74E-07	3.04E-03	4.79E-07	1.47E-06	4.84E-03	7.63E-07	3.00E-07
4261	494363.09, 3856377.25	2.06E-03	3.25E-07	1.28E-07	2.23E-03	3.51E-07	1.08E-06	3.55E-03	5.59E-07	2.19E-07
4262	494863.09, 3856377.25	1.56E-03	2.45E-07	9.64E-08	1.68E-03	2.65E-07	8.16E-07	2.68E-03	4.22E-07	1.66E-07
4263	495363.09, 3856377.25	1.26E-03	1.98E-07	7.79E-08	1.36E-03	2.14E-07	6.60E-07	2.16E-03	3.41E-07	1.34E-07
4264	495863.09, 3856377.25	1.18E-03	1.86E-07	7.31E-08	1.28E-03	2.01E-07	6.19E-07	2.03E-03	3.20E-07	1.26E-07
4265	496363.09, 3856377.25	1.16E-03	1.82E-07	7.16E-08	1.25E-03	1.97E-07	6.06E-07	1.99E-03	3.13E-07	1.23E-07
4266	496863.09, 3856377.25	1.21E-03	1.91E-07	7.49E-08	1.31E-03	2.06E-07	6.34E-07	2.08E-03	3.28E-07	1.29E-07
4267	497363.09, 3856377.25	1.25E-03	1.97E-07	7.73E-08	1.35E-03	2.12E-07	6.54E-07	2.15E-03	3.38E-07	1.33E-07
4268	497863.09, 3856377.25	1.33E-03	2.10E-07	8.25E-08	1.44E-03	2.27E-07	6.98E-07	2.29E-03	3.61E-07	1.42E-07
4269	498363.09, 3856377.25	1.45E-03	2.28E-07	8.97E-08	1.56E-03	2.46E-07	7.59E-07	2.49E-03	3.93E-07	1.54E-07
4270	471363.09, 3856877.25	3.53E-04	5.57E-08	2.19E-08	3.81E-04	6.01E-08	1.85E-07	6.04E-04	9.52E-08	3.74E-08
4271	471863.09, 3856877.25	3.63E-04	5.72E-08	2.25E-08	3.92E-04	6.18E-08	1.90E-07	6.21E-04	9.78E-08	3.84E-08
4272	472363.09, 3856877.25	3.90E-04	6.15E-08	2.42E-08	4.21E-04	6.64E-08	2.04E-07	6.67E-04	1.05E-07	4.13E-08
4273	472863.09, 3856877.25	4.19E-04	6.60E-08	2.59E-08	4.52E-04	7.12E-08	2.19E-07	7.16E-04	1.13E-07	4.43E-08
4274	473363.09, 3856877.25	4.75E-04	7.48E-08	2.94E-08	5.13E-04	8.08E-08	2.49E-07	8.12E-04	1.28E-07	5.03E-08
4275	473863.09, 3856877.25	5.11E-04	8.05E-08	3.16E-08	5.52E-04	8.69E-08	2.68E-07	8.74E-04	1.38E-07	5.41E-08
4276	474363.09, 3856877.25	4.99E-04	7.86E-08	3.09E-08	5.39E-04	8.48E-08	2.61E-07	8.53E-04	1.34E-07	5.28E-08
4277	474863.09, 3856877.25	4.63E-04	7.30E-08	2.87E-08	5.00E-04	7.88E-08	2.43E-07	7.92E-04	1.25E-07	4.90E-08
4278	475363.09, 3856877.25	3.92E-04	6.17E-08	2.42E-08	4.22E-04	6.65E-08	2.05E-07	6.69E-04	1.05E-07	4.14E-08
4279	475863.09, 3856877.25	3.95E-04	6.22E-08	2.44E-08	4.26E-04	6.71E-08	2.07E-07	6.74E-04	1.06E-07	4.17E-08
4280	476363.09, 3856877.25	3.47E-04	5.46E-08	2.15E-08	3.74E-04	5.89E-08	1.81E-07	5.91E-04	9.32E-08	3.66E-08
4281	476863.09, 3856877.25	3.39E-04	5.34E-08	2.10E-08	3.66E-04	5.76E-08	1.77E-07	5.78E-04	9.11E-08	3.58E-08
4282	477363.09, 3856877.25	3.09E-04	4.87E-08	1.91E-08	3.34E-04	5.26E-08	1.62E-07	5.28E-04	8.31E-08	3.26E-08
4283	477863.09, 3856877.25	2.28E-04	3.59E-08	1.41E-08	2.46E-04	3.87E-08	1.19E-07	3.89E-04	6.12E-08	2.41E-08
4284	478363.09, 3856877.25	2.11E-04	3.32E-08	1.31E-08	2.28E-04	3.59E-08	1.10E-07	3.60E-04	5.67E-08	2.23E-08

4285	478863.09, 3856877.25	2.66E-04	4.19E-08	1.65E-08	2.87E-04	4.52E-08	1.39E-07	4.54E-04	7.15E-08	2.81E-08
4286	479363.09, 3856877.25	3.57E-04	5.63E-08	2.21E-08	3.85E-04	6.07E-08	1.87E-07	6.09E-04	9.60E-08	3.77E-08
4287	479863.09, 3856877.25	8.79E-04	1.38E-07	5.44E-08	9.48E-04	1.49E-07	4.60E-07	1.50E-03	2.36E-07	9.25E-08
4288	480363.09, 3856877.25	1.57E-03	2.47E-07	9.69E-08	1.69E-03	2.66E-07	8.20E-07	2.67E-03	4.20E-07	1.65E-07
4289	480863.09, 3856877.25	2.46E-03	3.87E-07	1.52E-07	2.65E-03	4.18E-07	1.29E-06	4.20E-03	6.61E-07	2.60E-07
4290	481363.09, 3856877.25	3.32E-03	5.23E-07	2.06E-07	3.58E-03	5.65E-07	1.74E-06	5.68E-03	8.95E-07	3.52E-07
4291	481863.09, 3856877.25	4.13E-03	6.51E-07	2.56E-07	4.46E-03	7.02E-07	2.16E-06	7.05E-03	1.11E-06	4.37E-07
4292	482363.09, 3856877.25	5.09E-03	8.02E-07	3.15E-07	5.49E-03	8.65E-07	2.66E-06	8.67E-03	1.37E-06	5.36E-07
4293	482863.09, 3856877.25	6.10E-03	9.61E-07	3.78E-07	6.58E-03	1.04E-06	3.19E-06	1.04E-02	1.63E-06	6.41E-07
4294	483363.09, 3856877.25	7.49E-03	1.18E-06	4.64E-07	8.07E-03	1.27E-06	3.92E-06	1.27E-02	2.00E-06	7.84E-07
4295	483863.09, 3856877.25	9.46E-03	1.49E-06	5.86E-07	1.02E-02	1.61E-06	4.95E-06	1.60E-02	2.52E-06	9.89E-07
4296	484363.09, 3856877.25	1.25E-02	1.97E-06	7.73E-07	1.34E-02	2.12E-06	6.52E-06	2.10E-02	3.31E-06	1.30E-06
4297	484863.09, 3856877.25	1.75E-02	2.75E-06	1.08E-06	1.88E-02	2.96E-06	9.12E-06	2.92E-02	4.60E-06	1.81E-06
4298	485363.09, 3856877.25	3.26E-02	5.13E-06	2.02E-06	3.50E-02	5.51E-06	1.70E-05	5.36E-02	8.45E-06	3.32E-06
4299	485863.09, 3856877.25	1.32E-01	2.08E-05	8.17E-06	1.42E-01	2.24E-05	6.89E-05	2.20E-01	3.47E-05	1.36E-05
4300	486363.09, 3856877.25	8.22E-02	1.30E-05	5.09E-06	8.88E-02	1.40E-05	4.31E-05	1.42E-01	2.24E-05	8.78E-06
4301	486863.09, 3856877.25	4.88E-02	7.69E-06	3.02E-06	5.27E-02	8.31E-06	2.56E-05	8.44E-02	1.33E-05	5.22E-06
4302	487363.09, 3856877.25	3.67E-02	5.78E-06	2.27E-06	3.97E-02	6.25E-06	1.93E-05	6.35E-02	1.00E-05	3.93E-06
4303	487863.09, 3856877.25	2.92E-02	4.60E-06	1.81E-06	3.16E-02	4.98E-06	1.53E-05	5.05E-02	7.96E-06	3.13E-06
4304	488363.09, 3856877.25	2.41E-02	3.80E-06	1.49E-06	2.61E-02	4.10E-06	1.26E-05	4.17E-02	6.57E-06	2.58E-06
4305	488863.09, 3856877.25	2.02E-02	3.19E-06	1.25E-06	2.19E-02	3.45E-06	1.06E-05	3.50E-02	5.51E-06	2.17E-06
4306	489363.09, 3856877.25	1.73E-02	2.73E-06	1.07E-06	1.87E-02	2.95E-06	9.08E-06	3.00E-02	4.72E-06	1.85E-06
4307	489863.09, 3856877.25	1.50E-02	2.36E-06	9.26E-07	1.62E-02	2.55E-06	7.85E-06	2.59E-02	4.08E-06	1.60E-06
4308	490363.09, 3856877.25	1.30E-02	2.05E-06	8.04E-07	1.40E-02	2.21E-06	6.81E-06	2.25E-02	3.54E-06	1.39E-06
4309	490863.09, 3856877.25	1.14E-02	1.79E-06	7.03E-07	1.23E-02	1.93E-06	5.95E-06	1.97E-02	3.10E-06	1.22E-06
4310	491363.09, 3856877.25	9.98E-03	1.57E-06	6.18E-07	1.08E-02	1.70E-06	5.23E-06	1.73E-02	2.72E-06	1.07E-06
4311	491863.09, 3856877.25	8.75E-03	1.38E-06	5.41E-07	9.45E-03	1.49E-06	4.59E-06	1.51E-02	2.38E-06	9.37E-07
4312	492363.09, 3856877.25	6.86E-03	1.08E-06	4.24E-07	7.41E-03	1.17E-06	3.60E-06	1.19E-02	1.87E-06	7.34E-07
4313	492863.09, 3856877.25	5.26E-03	8.28E-07	3.25E-07	5.68E-03	8.95E-07	2.76E-06	9.07E-03	1.43E-06	5.62E-07
4314	493363.09, 3856877.25	3.79E-03	5.97E-07	2.34E-07	4.09E-03	6.45E-07	1.99E-06	6.53E-03	1.03E-06	4.04E-07
4315	493863.09, 3856877.25	2.59E-03	4.08E-07	1.60E-07	2.80E-03	4.41E-07	1.36E-06	4.46E-03	7.02E-07	2.76E-07
4316	494363.09, 3856877.25	1.86E-03	2.93E-07	1.15E-07	2.01E-03	3.16E-07	9.74E-07	3.20E-03	5.04E-07	1.98E-07
4317	494863.09, 3856877.25	1.55E-03	2.44E-07	9.57E-08	1.67E-03	2.63E-07	8.10E-07	2.66E-03	4.19E-07	1.64E-07
4318	495363.09, 3856877.25	1.37E-03	2.15E-07	8.46E-08	1.48E-03	2.33E-07	7.16E-07	2.35E-03	3.70E-07	1.45E-07
4319	495863.09, 3856877.25	1.31E-03	2.06E-07	8.08E-08	1.41E-03	2.22E-07	6.84E-07	2.24E-03	3.53E-07	1.39E-07
4320	496363.09, 3856877.25	1.27E-03	1.99E-07	7.83E-08	1.37E-03	2.15E-07	6.63E-07	2.17E-03	3.42E-07	1.35E-07
4321	496863.09, 3856877.25	1.27E-03	2.01E-07	7.88E-08	1.37E-03	2.17E-07	6.67E-07	2.19E-03	3.45E-07	1.35E-07
4322	497363.09, 3856877.25	1.32E-03	2.08E-07	8.17E-08	1.43E-03	2.25E-07	6.92E-07	2.27E-03	3.57E-07	1.40E-07
4323	497863.09, 3856877.25	1.46E-03	2.30E-07	9.04E-08	1.58E-03	2.49E-07	7.66E-07	2.51E-03	3.96E-07	1.56E-07
4324	498363.09, 3856877.25	1.63E-03	2.57E-07	1.01E-07	1.76E-03	2.78E-07	8.56E-07	2.81E-03	4.43E-07	1.74E-07
4325	471363.09, 3857377.25	3.67E-04	5.78E-08	2.27E-08	3.96E-04	6.24E-08	1.92E-07	6.28E-04	9.89E-08	3.88E-08
4326	471863.09, 3857377.25	3.76E-04	5.92E-08	2.33E-08	4.06E-04	6.39E-08	1.97E-07	6.43E-04	1.01E-07	3.98E-08
4327	472363.09, 3857377.25	3.99E-04	6.28E-08	2.47E-08	4.30E-04	6.78E-08	2.09E-07	6.82E-04	1.07E-07	4.22E-08
4328	472863.09, 3857377.25	4.30E-04	6.77E-08	2.66E-08	4.64E-04	7.31E-08	2.25E-07	7.36E-04	1.16E-07	4.56E-08
4329	473363.09, 3857377.25	4.73E-04	7.46E-08	2.93E-08	5.11E-04	8.05E-08	2.48E-07	8.11E-04	1.28E-07	5.02E-08
4330	473863.09, 3857377.25	5.30E-04	8.35E-08	3.28E-08	5.72E-04	9.02E-08	2.78E-07	9.08E-04	1.43E-07	5.62E-08
4331	474363.09, 3857377.25	4.98E-04	7.84E-08	3.08E-08	5.37E-04	8.47E-08	2.61E-07	8.53E-04	1.34E-07	5.28E-08
4332	474863.09, 3857377.25	3.69E-04	5.82E-08	2.28E-08	3.98E-04	6.27E-08	1.93E-07	6.31E-04	9.94E-08	3.90E-08
4333	475363.09, 3857377.25	2.57E-04	4.05E-08	1.59E-08	2.78E-04	4.37E-08	1.35E-07	4.39E-04	6.92E-08	2.72E-08
4334	475863.09, 3857377.25	2.43E-04	3.83E-08	1.51E-08	2.62E-04	4.13E-08	1.27E-07	4.15E-04	6.54E-08	2.57E-08
4335	476363.09, 3857377.25	3.18E-04	5.00E-08	1.97E-08	3.43E-04	5.40E-08	1.66E-07	5.42E-04	8.54E-08	3.35E-08
4336	476863.09, 3857377.25	3.47E-04	5.47E-08	2.15E-08	3.74E-04	5.90E-08	1.82E-07	5.92E-04	9.33E-08	3.67E-08
4337	477363.09, 3857377.25	3.06E-04	4.83E-08	1.90E-08	3.31E-04	5.21E-08	1.60E-07	5.23E-04	8.23E-08	3.23E-08
4338	477863.09, 3857377.25	2.41E-04	3.80E-08	1.49E-08	2.60E-04	4.10E-08	1.26E-07	4.11E-04	6.47E-08	2.54E-08
4339	478363.09, 3857377.25	1.96E-04	3.09E-08	1.21E-08	2.12E-04	3.33E-08	1.03E-07	3.34E-04	5.27E-08	2.07E-08
4340	478863.09, 3857377.25	1.75E-04	2.76E-08	1.08E-08	1.89E-04	2.98E-08	9.17E-08	2.99E-04	4.70E-08	1.85E-08
4341	479363.09, 3857377.25	2.71E-04	4.27E-08	1.68E-08	2.92E-04	4.60E-08	1.42E-07	4.60E-04	7.25E-08	2.85E-08
4342	479863.09, 3857377.25	7.06E-04	1.11E-07	4.37E-08	7.61E-04	1.20E-07	3.69E-07	1.20E-03	1.89E-07	7.42E-08
4343	480363.09, 3857377.25	5.95E-04	9.37E-08	3.68E-08	6.41E-04	1.01E-07	3.11E-07	1.01E-03	1.59E-07	6.25E-08
4344	480863.09, 3857377.25	2.30E-03	3.62E-07	1.42E-07	2.48E-03	3.90E-07	1.20E-06	3.93E-03	6.18E-07	2.43E-07
4345	481363.09, 3857377.25	2.60E-03	4.10E-07	1.61E-07	2.81E-03	4.43E-07	1.36E-06	4.46E-03	7.02E-07	2.76E-07
4346	481863.09, 3857377.25	3.43E-03	5.40E-07	2.12E-07	3.70E-03	5.83E-07	1.79E-06	5.86E-03	9.23E-07	3.62E-07
4347	482363.09, 3857377.25	4.39E-03	6.92E-07	2.72E-07	4.74E-03	7.47E-07	2.30E-06	7.48E-03	1.18E-06	4.63E-07
4348	482863.09, 3857377.25	5.08E-03	8.01E-07	3.15E-07	5.48E-03	8.64E-07	2.66E-06	8.63E-03	1.36E-06	5.34E-07

4349	483363.09, 3857377.25	5.99E-03	9.44E-07	3.71E-07	6.46E-03	1.02E-06	3.13E-06	1.01E-02	1.60E-06	6.27E-07
4350	483863.09, 3857377.25	7.26E-03	1.14E-06	4.49E-07	7.82E-03	1.23E-06	3.80E-06	1.23E-02	1.93E-06	7.59E-07
4351	484363.09, 3857377.25	8.94E-03	1.41E-06	5.53E-07	9.63E-03	1.52E-06	4.67E-06	1.51E-02	2.37E-06	9.32E-07
4352	484863.09, 3857377.25	1.15E-02	1.81E-06	7.11E-07	1.24E-02	1.95E-06	6.00E-06	1.93E-02	3.04E-06	1.20E-06
4353	485363.09, 3857377.25	1.58E-02	2.48E-06	9.75E-07	1.70E-02	2.67E-06	8.23E-06	2.64E-02	4.16E-06	1.63E-06
4354	485863.09, 3857377.25	2.56E-02	4.04E-06	1.59E-06	2.76E-02	4.34E-06	1.34E-05	4.27E-02	6.73E-06	2.64E-06
4355	486363.09, 3857377.25	1.17E-01	1.85E-05	7.27E-06	1.26E-01	1.99E-05	6.13E-05	1.96E-01	3.09E-05	1.21E-05
4356	486863.09, 3857377.25	1.25E-01	1.97E-05	7.73E-06	1.35E-01	2.12E-05	6.54E-05	2.14E-01	3.37E-05	1.32E-05
4357	487363.09, 3857377.25	6.01E-02	9.46E-06	3.72E-06	6.50E-02	1.02E-05	3.15E-05	1.05E-01	1.65E-05	6.49E-06
4358	487863.09, 3857377.25	4.05E-02	6.37E-06	2.50E-06	4.38E-02	6.89E-06	2.12E-05	7.05E-02	1.11E-05	4.37E-06
4359	488363.09, 3857377.25	3.02E-02	4.76E-06	1.87E-06	3.27E-02	5.15E-06	1.59E-05	5.26E-02	8.29E-06	3.26E-06
4360	488863.09, 3857377.25	2.39E-02	3.77E-06	1.48E-06	2.59E-02	4.08E-06	1.26E-05	4.16E-02	6.55E-06	2.57E-06
4361	489363.09, 3857377.25	1.96E-02	3.09E-06	1.21E-06	2.12E-02	3.34E-06	1.03E-05	3.41E-02	5.37E-06	2.11E-06
4362	489863.09, 3857377.25	1.64E-02	2.58E-06	1.02E-06	1.77E-02	2.79E-06	8.60E-06	2.85E-02	4.49E-06	1.76E-06
4363	490363.09, 3857377.25	1.39E-02	2.18E-06	8.58E-07	1.50E-02	2.36E-06	7.27E-06	2.41E-02	3.79E-06	1.49E-06
4364	490863.09, 3857377.25	1.19E-02	1.87E-06	7.36E-07	1.29E-02	2.02E-06	6.24E-06	2.06E-02	3.25E-06	1.28E-06
4365	491363.09, 3857377.25	1.03E-02	1.62E-06	6.38E-07	1.11E-02	1.76E-06	5.41E-06	1.79E-02	2.81E-06	1.11E-06
4366	491863.09, 3857377.25	8.79E-03	1.39E-06	5.44E-07	9.50E-03	1.50E-06	4.61E-06	1.52E-02	2.40E-06	9.43E-07
4367	492363.09, 3857377.25	6.38E-03	1.01E-06	3.95E-07	6.90E-03	1.09E-06	3.35E-06	1.10E-02	1.74E-06	6.83E-07
4368	492863.09, 3857377.25	4.35E-03	6.85E-07	2.69E-07	4.70E-03	7.41E-07	2.28E-06	7.50E-03	1.18E-06	4.64E-07
4369	493363.09, 3857377.25	2.97E-03	4.68E-07	1.84E-07	3.21E-03	5.06E-07	1.56E-06	5.12E-03	8.06E-07	3.17E-07
4370	493863.09, 3857377.25	2.43E-03	3.82E-07	1.50E-07	2.62E-03	4.13E-07	1.27E-06	4.17E-03	6.58E-07	2.58E-07
4371	494363.09, 3857377.25	1.96E-03	3.08E-07	1.21E-07	2.11E-03	3.33E-07	1.03E-06	3.36E-03	5.30E-07	2.08E-07
4372	494863.09, 3857377.25	1.73E-03	2.72E-07	1.07E-07	1.86E-03	2.93E-07	9.04E-07	2.96E-03	4.67E-07	1.83E-07
4373	495363.09, 3857377.25	1.55E-03	2.44E-07	9.57E-08	1.67E-03	2.63E-07	8.10E-07	2.66E-03	4.18E-07	1.64E-07
4374	495863.09, 3857377.25	1.47E-03	2.32E-07	9.12E-08	1.59E-03	2.51E-07	7.72E-07	2.53E-03	3.99E-07	1.57E-07
4375	496363.09, 3857377.25	1.43E-03	2.25E-07	8.85E-08	1.54E-03	2.43E-07	7.49E-07	2.46E-03	3.87E-07	1.52E-07
4376	496863.09, 3857377.25	1.41E-03	2.22E-07	8.73E-08	1.52E-03	2.40E-07	7.39E-07	2.42E-03	3.82E-07	1.50E-07
4377	497363.09, 3857377.25	1.46E-03	2.29E-07	9.02E-08	1.57E-03	2.48E-07	7.63E-07	2.50E-03	3.95E-07	1.55E-07
4378	497863.09, 3857377.25	1.56E-03	2.45E-07	9.63E-08	1.68E-03	2.65E-07	8.15E-07	2.68E-03	4.22E-07	1.66E-07
4379	498363.09, 3857377.25	1.86E-03	2.93E-07	1.15E-07	2.01E-03	3.16E-07	9.74E-07	3.20E-03	5.04E-07	1.98E-07
4380	471363.09, 3857877.25	3.70E-04	5.83E-08	2.29E-08	3.99E-04	6.29E-08	1.94E-07	6.33E-04	9.98E-08	3.92E-08
4381	471863.09, 3857877.25	3.85E-04	6.06E-08	2.38E-08	4.15E-04	6.54E-08	2.01E-07	6.58E-04	1.04E-07	4.08E-08
4382	472363.09, 3857877.25	4.09E-04	6.44E-08	2.53E-08	4.41E-04	6.95E-08	2.14E-07	7.00E-04	1.10E-07	4.33E-08
4383	472863.09, 3857877.25	4.52E-04	7.12E-08	2.80E-08	4.88E-04	7.68E-08	2.37E-07	7.74E-04	1.22E-07	4.79E-08
4384	473363.09, 3857877.25	4.82E-04	7.60E-08	2.98E-08	5.21E-04	8.20E-08	2.53E-07	8.26E-04	1.30E-07	5.11E-08
4385	473863.09, 3857877.25	5.30E-04	8.35E-08	3.28E-08	5.72E-04	9.02E-08	2.78E-07	9.08E-04	1.43E-07	5.62E-08
4386	474363.09, 3857877.25	4.81E-04	7.58E-08	2.98E-08	5.19E-04	8.18E-08	2.52E-07	8.23E-04	1.30E-07	5.09E-08
4387	474863.09, 3857877.25	3.41E-04	5.37E-08	2.11E-08	3.67E-04	5.79E-08	1.78E-07	5.81E-04	9.15E-08	3.60E-08
4388	475363.09, 3857877.25	1.96E-04	3.08E-08	1.21E-08	2.11E-04	3.33E-08	1.02E-07	3.34E-04	5.26E-08	2.07E-08
4389	475863.09, 3857877.25	1.01E-04	1.59E-08	6.26E-09	1.09E-04	1.72E-08	5.29E-08	1.72E-04	2.71E-08	1.07E-08
4390	476363.09, 3857877.25	2.26E-04	3.56E-08	1.40E-08	2.44E-04	3.84E-08	1.18E-07	3.85E-04	6.07E-08	2.39E-08
4391	476863.09, 3857877.25	2.84E-04	4.48E-08	1.76E-08	3.07E-04	4.83E-08	1.49E-07	4.85E-04	7.63E-08	3.00E-08
4392	477363.09, 3857877.25	2.80E-04	4.41E-08	1.73E-08	3.02E-04	4.76E-08	1.46E-07	4.76E-04	7.51E-08	2.95E-08
4393	477863.09, 3857877.25	2.75E-04	4.34E-08	1.70E-08	2.97E-04	4.68E-08	1.44E-07	4.69E-04	7.38E-08	2.90E-08
4394	478363.09, 3857877.25	1.64E-04	2.58E-08	1.01E-08	1.76E-04	2.78E-08	8.56E-08	2.78E-04	4.38E-08	1.72E-08
4395	478863.09, 3857877.25	1.39E-04	2.20E-08	8.63E-09	1.50E-04	2.37E-08	7.30E-08	2.36E-04	3.72E-08	1.46E-08
4396	479363.09, 3857877.25	6.39E-04	1.01E-07	3.95E-08	6.89E-04	1.08E-07	3.34E-07	1.09E-03	1.71E-07	6.72E-08
4397	479863.09, 3857877.25	1.40E-03	2.20E-07	8.63E-08	1.51E-03	2.37E-07	7.30E-07	2.38E-03	3.76E-07	1.48E-07
4398	480363.09, 3857877.25	1.85E-03	2.91E-07	1.14E-07	1.99E-03	3.14E-07	9.67E-07	3.16E-03	4.98E-07	1.96E-07
4399	480863.09, 3857877.25	2.13E-03	3.35E-07	1.32E-07	2.29E-03	3.61E-07	1.11E-06	3.64E-03	5.73E-07	2.25E-07
4400	481363.09, 3857877.25	2.46E-03	3.88E-07	1.52E-07	2.66E-03	4.19E-07	1.29E-06	4.22E-03	6.64E-07	2.61E-07
4401	481863.09, 3857877.25	2.96E-03	4.66E-07	1.83E-07	3.19E-03	5.03E-07	1.55E-06	5.06E-03	7.96E-07	3.13E-07
4402	482363.09, 3857877.25	3.71E-03	5.85E-07	2.30E-07	4.00E-03	6.31E-07	1.94E-06	6.32E-03	9.96E-07	3.91E-07
4403	482863.09, 3857877.25	4.25E-03	6.69E-07	2.63E-07	4.58E-03	7.21E-07	2.22E-06	7.20E-03	1.13E-06	4.46E-07
4404	483363.09, 3857877.25	4.87E-03	7.67E-07	3.01E-07	5.25E-03	8.27E-07	2.55E-06	8.24E-03	1.30E-06	5.10E-07
4405	483863.09, 3857877.25	5.69E-03	8.96E-07	3.52E-07	6.13E-03	9.66E-07	2.97E-06	9.62E-03	1.51E-06	5.95E-07
4406	484363.09, 3857877.25	6.72E-03	1.06E-06	4.16E-07	7.24E-03	1.14E-06	3.51E-06	1.13E-02	1.79E-06	7.01E-07
4407	484863.09, 3857877.25	8.14E-03	1.28E-06	5.04E-07	8.76E-03	1.38E-06	4.25E-06	1.37E-02	2.16E-06	8.49E-07
4408	485363.09, 3857877.25	1.02E-02	1.60E-06	6.29E-07	1.09E-02	1.72E-06	5.31E-06	1.71E-02	2.69E-06	1.06E-06
4409	485863.09, 3857877.25	1.35E-02	2.12E-06	8.33E-07	1.45E-02	2.28E-06	7.04E-06	2.26E-02	3.56E-06	1.40E-06
4410	486363.09, 3857877.25	2.00E-02	3.15E-06	1.24E-06	2.15E-02	3.39E-06	1.04E-05	3.35E-02	5.28E-06	2.08E-06
4411	486863.09, 3857877.25	4.45E-02	7.01E-06	2.75E-06	4.79E-02	7.55E-06	2.33E-05	7.49E-02	1.18E-05	4.64E-06
4412	487363.09, 3857877.25	1.34E-01	2.11E-05	8.30E-06	1.44E-01	2.27E-05	7.00E-05	2.24E-01	3.53E-05	1.39E-05

4413	487863.09, 3857877.25	5.95E-02	9.37E-06	3.68E-06	6.44E-02	1.01E-05	3.12E-05	1.04E-01	1.65E-05	6.46E-06
4414	488363.09, 3857877.25	3.64E-02	5.74E-06	2.25E-06	3.94E-02	6.21E-06	1.91E-05	6.36E-02	1.00E-05	3.94E-06
4415	488863.09, 3857877.25	2.63E-02	4.14E-06	1.63E-06	2.84E-02	4.48E-06	1.38E-05	4.58E-02	7.21E-06	2.83E-06
4416	489363.09, 3857877.25	2.04E-02	3.21E-06	1.26E-06	2.21E-02	3.48E-06	1.07E-05	3.55E-02	5.59E-06	2.20E-06
4417	489863.09, 3857877.25	1.64E-02	2.58E-06	1.01E-06	1.77E-02	2.79E-06	8.58E-06	2.84E-02	4.48E-06	1.76E-06
4418	490363.09, 3857877.25	1.35E-02	2.13E-06	8.37E-07	1.46E-02	2.30E-06	7.09E-06	2.34E-02	3.69E-06	1.45E-06
4419	490863.09, 3857877.25	1.14E-02	1.80E-06	7.07E-07	1.23E-02	1.94E-06	5.99E-06	1.98E-02	3.11E-06	1.22E-06
4420	491363.09, 3857877.25	9.60E-03	1.51E-06	5.94E-07	1.04E-02	1.63E-06	5.03E-06	1.66E-02	2.62E-06	1.03E-06
4421	491863.09, 3857877.25	7.80E-03	1.23E-06	4.83E-07	8.43E-03	1.33E-06	4.09E-06	1.35E-02	2.13E-06	8.36E-07
4422	492363.09, 3857877.25	5.28E-03	8.32E-07	3.27E-07	5.71E-03	8.99E-07	2.77E-06	9.12E-03	1.44E-06	5.65E-07
4423	492863.09, 3857877.25	3.55E-03	5.58E-07	2.19E-07	3.83E-03	6.03E-07	1.86E-06	6.10E-03	9.62E-07	3.78E-07
4424	493363.09, 3857877.25	2.86E-03	4.51E-07	1.77E-07	3.09E-03	4.87E-07	1.50E-06	4.93E-03	7.76E-07	3.05E-07
4425	493863.09, 3857877.25	2.50E-03	3.94E-07	1.55E-07	2.70E-03	4.25E-07	1.31E-06	4.30E-03	6.77E-07	2.66E-07
4426	494363.09, 3857877.25	2.24E-03	3.53E-07	1.38E-07	2.42E-03	3.81E-07	1.17E-06	3.85E-03	6.06E-07	2.38E-07
4427	494863.09, 3857877.25	1.89E-03	2.98E-07	1.17E-07	2.04E-03	3.22E-07	9.92E-07	3.25E-03	5.12E-07	2.01E-07
4428	495363.09, 3857877.25	1.75E-03	2.76E-07	1.09E-07	1.89E-03	2.98E-07	9.18E-07	3.01E-03	4.74E-07	1.86E-07
4429	495863.09, 3857877.25	1.63E-03	2.57E-07	1.01E-07	1.76E-03	2.78E-07	8.56E-07	2.81E-03	4.42E-07	1.74E-07
4430	496363.09, 3857877.25	1.61E-03	2.54E-07	9.97E-08	1.74E-03	2.74E-07	8.44E-07	2.77E-03	4.36E-07	1.71E-07
4431	496863.09, 3857877.25	1.60E-03	2.51E-07	9.87E-08	1.72E-03	2.71E-07	8.36E-07	2.74E-03	4.32E-07	1.70E-07
4432	497363.09, 3857877.25	1.55E-03	2.45E-07	9.62E-08	1.68E-03	2.65E-07	8.15E-07	2.67E-03	4.21E-07	1.65E-07
4433	497863.09, 3857877.25	1.74E-03	2.74E-07	1.08E-07	1.88E-03	2.96E-07	9.12E-07	2.99E-03	4.72E-07	1.85E-07
4434	498363.09, 3857877.25	1.93E-03	3.04E-07	1.19E-07	2.08E-03	3.28E-07	1.01E-06	3.32E-03	5.23E-07	2.05E-07
4435	471363.09, 3858377.25	3.87E-04	6.10E-08	2.39E-08	4.18E-04	6.58E-08	2.03E-07	6.62E-04	1.04E-07	4.10E-08
4436	471863.09, 3858377.25	4.03E-04	6.35E-08	2.49E-08	4.35E-04	6.85E-08	2.11E-07	6.90E-04	1.09E-07	4.27E-08
4437	472363.09, 3858377.25	4.21E-04	6.63E-08	2.60E-08	4.54E-04	7.15E-08	2.20E-07	7.20E-04	1.13E-07	4.45E-08
4438	472863.09, 3858377.25	4.55E-04	7.17E-08	2.82E-08	4.91E-04	7.74E-08	2.38E-07	7.78E-04	1.23E-07	4.81E-08
4439	473363.09, 3858377.25	5.21E-04	8.21E-08	3.23E-08	5.62E-04	8.86E-08	2.73E-07	8.91E-04	1.40E-07	5.51E-08
4440	473863.09, 3858377.25	5.27E-04	8.31E-08	3.26E-08	5.69E-04	8.96E-08	2.76E-07	9.01E-04	1.42E-07	5.58E-08
4441	474363.09, 3858377.25	4.58E-04	7.22E-08	2.84E-08	4.95E-04	7.79E-08	2.40E-07	7.83E-04	1.23E-07	4.84E-08
4442	474863.09, 3858377.25	3.53E-04	5.56E-08	2.18E-08	3.81E-04	6.00E-08	1.85E-07	6.02E-04	9.48E-08	3.72E-08
4443	475363.09, 3858377.25	2.34E-04	3.68E-08	1.45E-08	2.52E-04	3.97E-08	1.22E-07	3.98E-04	6.27E-08	2.46E-08
4444	475863.09, 3858377.25	1.74E-04	2.74E-08	1.08E-08	1.88E-04	2.95E-08	9.10E-08	2.96E-04	4.66E-08	1.83E-08
4445	476363.09, 3858377.25	1.91E-04	3.01E-08	1.18E-08	2.06E-04	3.24E-08	9.99E-08	3.24E-04	5.11E-08	2.01E-08
4446	476863.09, 3858377.25	2.14E-04	3.37E-08	1.33E-08	2.31E-04	3.64E-08	1.12E-07	3.64E-04	5.73E-08	2.25E-08
4447	477363.09, 3858377.25	2.04E-04	3.22E-08	1.27E-08	2.20E-04	3.47E-08	1.07E-07	3.47E-04	5.47E-08	2.15E-08
4448	477863.09, 3858377.25	2.74E-04	4.32E-08	1.70E-08	2.96E-04	4.66E-08	1.43E-07	4.66E-04	7.34E-08	2.88E-08
4449	478363.09, 3858377.25	2.98E-04	4.69E-08	1.84E-08	3.21E-04	5.06E-08	1.56E-07	5.06E-04	7.97E-08	3.13E-08
4450	478863.09, 3858377.25	2.09E-04	3.29E-08	1.29E-08	2.25E-04	3.55E-08	1.09E-07	3.54E-04	5.57E-08	2.19E-08
4451	479363.09, 3858377.25	6.72E-04	1.06E-07	4.16E-08	7.24E-04	1.14E-07	3.52E-07	1.14E-03	1.80E-07	7.07E-08
4452	479863.09, 3858377.25	1.44E-03	2.27E-07	8.93E-08	1.56E-03	2.45E-07	7.56E-07	2.47E-03	3.89E-07	1.53E-07
4453	480363.09, 3858377.25	1.81E-03	2.85E-07	1.12E-07	1.95E-03	3.07E-07	9.46E-07	3.09E-03	4.87E-07	1.91E-07
4454	480863.09, 3858377.25	2.03E-03	3.20E-07	1.26E-07	2.19E-03	3.45E-07	1.06E-06	3.48E-03	5.48E-07	2.15E-07
4455	481363.09, 3858377.25	2.32E-03	3.65E-07	1.44E-07	2.50E-03	3.94E-07	1.21E-06	3.97E-03	6.25E-07	2.45E-07
4456	481863.09, 3858377.25	2.61E-03	4.11E-07	1.62E-07	2.82E-03	4.44E-07	1.37E-06	4.46E-03	7.03E-07	2.76E-07
4457	482363.09, 3858377.25	3.03E-03	4.78E-07	1.88E-07	3.27E-03	5.15E-07	1.59E-06	5.18E-03	8.16E-07	3.20E-07
4458	482863.09, 3858377.25	3.67E-03	5.78E-07	2.27E-07	3.96E-03	6.23E-07	1.92E-06	6.25E-03	9.84E-07	3.87E-07
4459	483363.09, 3858377.25	4.08E-03	6.42E-07	2.52E-07	4.40E-03	6.92E-07	2.13E-06	6.91E-03	1.09E-06	4.28E-07
4460	483863.09, 3858377.25	4.53E-03	7.13E-07	2.80E-07	4.88E-03	7.69E-07	2.37E-06	7.66E-03	1.21E-06	4.74E-07
4461	484363.09, 3858377.25	5.22E-03	8.22E-07	3.23E-07	5.62E-03	8.85E-07	2.73E-06	8.81E-03	1.39E-06	5.45E-07
4462	484863.09, 3858377.25	6.03E-03	9.50E-07	3.73E-07	6.49E-03	1.02E-06	3.15E-06	1.02E-02	1.60E-06	6.30E-07
4463	485363.09, 3858377.25	6.99E-03	1.10E-06	4.32E-07	7.53E-03	1.19E-06	3.65E-06	1.18E-02	1.86E-06	7.29E-07
4464	485863.09, 3858377.25	8.36E-03	1.32E-06	5.17E-07	9.00E-03	1.42E-06	4.37E-06	1.41E-02	2.22E-06	8.71E-07
4465	486363.09, 3858377.25	1.03E-02	1.62E-06	6.35E-07	1.10E-02	1.74E-06	5.36E-06	1.72E-02	2.72E-06	1.07E-06
4466	486863.09, 3858377.25	1.30E-02	2.05E-06	8.06E-07	1.40E-02	2.21E-06	6.80E-06	2.18E-02	3.44E-06	1.35E-06
4467	487363.09, 3858377.25	1.89E-02	2.97E-06	1.17E-06	2.03E-02	3.20E-06	9.86E-06	3.16E-02	4.98E-06	1.96E-06
4468	487863.09, 3858377.25	6.01E-02	9.46E-06	3.72E-06	6.50E-02	1.02E-05	3.15E-05	1.05E-01	1.66E-05	6.50E-06
4469	488363.09, 3858377.25	3.90E-02	6.15E-06	2.42E-06	4.22E-02	6.65E-06	2.05E-05	6.76E-02	1.07E-05	4.18E-06
4470	488863.09, 3858377.25	2.29E-02	3.60E-06	1.41E-06	2.47E-02	3.88E-06	1.20E-05	3.91E-02	6.16E-06	2.42E-06
4471	489363.09, 3858377.25	1.71E-02	2.69E-06	1.06E-06	1.84E-02	2.90E-06	8.93E-06	2.92E-02	4.59E-06	1.80E-06
4472	489863.09, 3858377.25	1.37E-02	2.16E-06	8.47E-07	1.48E-02	2.33E-06	7.17E-06	2.34E-02	3.69E-06	1.45E-06
4473	490363.09, 3858377.25	1.14E-02	1.80E-06	7.06E-07	1.23E-02	1.94E-06	5.97E-06	1.95E-02	3.08E-06	1.21E-06
4474	490863.09, 3858377.25	9.73E-03	1.53E-06	6.02E-07	1.05E-02	1.65E-06	5.10E-06	1.67E-02	2.63E-06	1.03E-06
4475	491363.09, 3858377.25	8.20E-03	1.29E-06	5.08E-07	8.86E-03	1.40E-06	4.30E-06	1.41E-02	2.23E-06	8.74E-07
4476	491863.09, 3858377.25	6.11E-03	9.63E-07	3.78E-07	6.60E-03	1.04E-06	3.20E-06	1.06E-02	1.66E-06	6.53E-07

4477	492363.09, 3858377.25	3.85E-03	6.07E-07	2.38E-07	4.16E-03	6.56E-07	2.02E-06	6.63E-03	1.04E-06	4.10E-07
4478	492863.09, 3858377.25	3.93E-03	6.20E-07	2.43E-07	4.25E-03	6.69E-07	2.06E-06	6.77E-03	1.07E-06	4.19E-07
4479	493363.09, 3858377.25	3.26E-03	5.14E-07	2.02E-07	3.52E-03	5.55E-07	1.71E-06	5.61E-03	8.84E-07	3.47E-07
4480	493863.09, 3858377.25	2.89E-03	4.55E-07	1.79E-07	3.12E-03	4.92E-07	1.51E-06	4.97E-03	7.83E-07	3.08E-07
4481	494363.09, 3858377.25	2.52E-03	3.97E-07	1.56E-07	2.72E-03	4.28E-07	1.32E-06	4.33E-03	6.82E-07	2.68E-07
4482	494863.09, 3858377.25	2.22E-03	3.50E-07	1.38E-07	2.40E-03	3.78E-07	1.17E-06	3.82E-03	6.02E-07	2.37E-07
4483	495363.09, 3858377.25	1.92E-03	3.03E-07	1.19E-07	2.08E-03	3.27E-07	1.01E-06	3.31E-03	5.21E-07	2.05E-07
4484	495863.09, 3858377.25	1.84E-03	2.90E-07	1.14E-07	1.99E-03	3.13E-07	9.65E-07	3.17E-03	4.99E-07	1.96E-07
4485	496363.09, 3858377.25	1.75E-03	2.76E-07	1.08E-07	1.89E-03	2.98E-07	9.17E-07	3.01E-03	4.74E-07	1.86E-07
4486	496863.09, 3858377.25	1.79E-03	2.82E-07	1.11E-07	1.93E-03	3.05E-07	9.39E-07	3.08E-03	4.85E-07	1.91E-07
4487	497363.09, 3858377.25	1.76E-03	2.78E-07	1.09E-07	1.90E-03	3.00E-07	9.24E-07	3.03E-03	4.78E-07	1.88E-07
4488	497863.09, 3858377.25	1.91E-03	3.01E-07	1.18E-07	2.06E-03	3.25E-07	1.00E-06	3.29E-03	5.18E-07	2.03E-07
4489	498363.09, 3858377.25	2.12E-03	3.33E-07	1.31E-07	2.28E-03	3.60E-07	1.11E-06	3.64E-03	5.74E-07	2.26E-07
4490	471363.09, 3858877.25	3.97E-04	6.26E-08	2.46E-08	4.29E-04	6.76E-08	2.08E-07	6.80E-04	1.07E-07	4.21E-08
4491	471863.09, 3858877.25	4.11E-04	6.48E-08	2.55E-08	4.44E-04	6.99E-08	2.15E-07	7.03E-04	1.11E-07	4.35E-08
4492	472363.09, 3858877.25	4.48E-04	7.06E-08	2.77E-08	4.83E-04	7.61E-08	2.35E-07	7.66E-04	1.21E-07	4.74E-08
4493	472863.09, 3858877.25	4.82E-04	7.60E-08	2.98E-08	5.20E-04	8.20E-08	2.52E-07	8.25E-04	1.30E-07	5.10E-08
4494	473363.09, 3858877.25	5.38E-04	8.47E-08	3.33E-08	5.80E-04	9.14E-08	2.82E-07	9.20E-04	1.45E-07	5.70E-08
4495	473863.09, 3858877.25	5.51E-04	8.68E-08	3.41E-08	5.95E-04	9.37E-08	2.88E-07	9.44E-04	1.49E-07	5.84E-08
4496	474363.09, 3858877.25	4.99E-04	7.86E-08	3.09E-08	5.39E-04	8.49E-08	2.61E-07	8.54E-04	1.35E-07	5.28E-08
4497	474863.09, 3858877.25	2.25E-04	3.54E-08	1.39E-08	2.42E-04	3.81E-08	1.17E-07	3.82E-04	6.02E-08	2.36E-08
4498	475363.09, 3858877.25	1.69E-04	2.66E-08	1.04E-08	1.82E-04	2.87E-08	8.83E-08	2.87E-04	4.52E-08	1.77E-08
4499	475863.09, 3858877.25	1.95E-04	3.08E-08	1.21E-08	2.11E-04	3.32E-08	1.02E-07	3.32E-04	5.23E-08	2.06E-08
4500	476363.09, 3858877.25	1.28E-04	2.01E-08	7.90E-09	1.38E-04	2.17E-08	6.68E-08	2.16E-04	3.41E-08	1.34E-08
4501	476863.09, 3858877.25	1.62E-04	2.55E-08	1.00E-08	1.74E-04	2.75E-08	8.46E-08	2.75E-04	4.33E-08	1.70E-08
4502	477363.09, 3858877.25	1.67E-04	2.63E-08	1.04E-08	1.80E-04	2.84E-08	8.75E-08	2.84E-04	4.47E-08	1.76E-08
4503	477863.09, 3858877.25	2.09E-04	3.29E-08	1.29E-08	2.25E-04	3.55E-08	1.09E-07	3.54E-04	5.58E-08	2.19E-08
4504	478363.09, 3858877.25	4.39E-04	6.91E-08	2.71E-08	4.73E-04	7.45E-08	2.30E-07	7.46E-04	1.18E-07	4.62E-08
4505	478863.09, 3858877.25	3.68E-04	5.79E-08	2.28E-08	3.96E-04	6.25E-08	1.92E-07	6.24E-04	9.83E-08	3.86E-08
4506	479363.09, 3858877.25	3.00E-04	4.73E-08	1.86E-08	3.23E-04	5.09E-08	1.57E-07	5.08E-04	8.01E-08	3.15E-08
4507	479863.09, 3858877.25	1.45E-03	2.29E-07	9.00E-08	1.57E-03	2.47E-07	7.62E-07	2.49E-03	3.92E-07	1.54E-07
4508	480363.09, 3858877.25	1.71E-03	2.69E-07	1.06E-07	1.84E-03	2.90E-07	8.94E-07	2.92E-03	4.60E-07	1.81E-07
4509	480863.09, 3858877.25	1.93E-03	3.04E-07	1.20E-07	2.08E-03	3.28E-07	1.01E-06	3.30E-03	5.20E-07	2.04E-07
4510	481363.09, 3858877.25	2.15E-03	3.39E-07	1.33E-07	2.32E-03	3.65E-07	1.13E-06	3.67E-03	5.78E-07	2.27E-07
4511	481863.09, 3858877.25	2.42E-03	3.81E-07	1.50E-07	2.61E-03	4.11E-07	1.27E-06	4.13E-03	6.50E-07	2.55E-07
4512	482363.09, 3858877.25	2.66E-03	4.20E-07	1.65E-07	2.87E-03	4.53E-07	1.39E-06	4.55E-03	7.16E-07	2.81E-07
4513	482863.09, 3858877.25	3.01E-03	4.74E-07	1.86E-07	3.25E-03	5.12E-07	1.58E-06	5.14E-03	8.09E-07	3.18E-07
4514	483363.09, 3858877.25	3.38E-03	5.33E-07	2.09E-07	3.65E-03	5.74E-07	1.77E-06	5.73E-03	9.03E-07	3.55E-07
4515	483863.09, 3858877.25	3.68E-03	5.79E-07	2.27E-07	3.96E-03	6.24E-07	1.92E-06	6.22E-03	9.79E-07	3.85E-07
4516	484363.09, 3858877.25	4.09E-03	6.45E-07	2.53E-07	4.41E-03	6.95E-07	2.14E-06	6.92E-03	1.09E-06	4.28E-07
4517	484863.09, 3858877.25	4.56E-03	7.19E-07	2.82E-07	4.92E-03	7.75E-07	2.39E-06	7.71E-03	1.21E-06	4.77E-07
4518	485363.09, 3858877.25	5.08E-03	8.00E-07	3.14E-07	5.47E-03	8.62E-07	2.65E-06	8.57E-03	1.35E-06	5.30E-07
4519	485863.09, 3858877.25	5.72E-03	9.02E-07	3.54E-07	6.17E-03	9.71E-07	2.99E-06	9.65E-03	1.52E-06	5.97E-07
4520	486363.09, 3858877.25	6.35E-03	1.00E-06	3.93E-07	6.84E-03	1.08E-06	3.32E-06	1.07E-02	1.69E-06	6.62E-07
4521	486863.09, 3858877.25	7.11E-03	1.12E-06	4.40E-07	7.66E-03	1.21E-06	3.72E-06	1.20E-02	1.88E-06	7.40E-07
4522	487363.09, 3858877.25	8.21E-03	1.29E-06	5.08E-07	8.84E-03	1.39E-06	4.29E-06	1.37E-02	2.17E-06	8.51E-07
4523	487863.09, 3858877.25	9.13E-03	1.44E-06	5.65E-07	9.82E-03	1.55E-06	4.76E-06	1.51E-02	2.38E-06	9.37E-07
4524	488363.09, 3858877.25	1.06E-02	1.68E-06	6.59E-07	1.14E-02	1.79E-06	5.53E-06	1.70E-02	2.68E-06	1.05E-06
4525	488863.09, 3858877.25	2.33E-02	3.67E-06	1.44E-06	2.43E-02	3.83E-06	1.18E-05	2.95E-02	4.64E-06	1.82E-06
4526	489363.09, 3858877.25	1.08E-02	1.71E-06	6.70E-07	1.16E-02	1.83E-06	5.63E-06	1.74E-02	2.74E-06	1.07E-06
4527	489863.09, 3858877.25	9.25E-03	1.46E-06	5.73E-07	9.95E-03	1.57E-06	4.83E-06	1.54E-02	2.43E-06	9.54E-07
4528	490363.09, 3858877.25	8.22E-03	1.30E-06	5.09E-07	8.86E-03	1.40E-06	4.30E-06	1.39E-02	2.19E-06	8.62E-07
4529	490863.09, 3858877.25	7.12E-03	1.12E-06	4.41E-07	7.69E-03	1.21E-06	3.73E-06	1.22E-02	1.92E-06	7.54E-07
4530	491363.09, 3858877.25	5.64E-03	8.88E-07	3.49E-07	6.09E-03	9.59E-07	2.95E-06	9.71E-03	1.53E-06	6.01E-07
4531	491863.09, 3858877.25	3.98E-03	6.26E-07	2.46E-07	4.29E-03	6.77E-07	2.08E-06	6.84E-03	1.08E-06	4.23E-07
4532	492363.09, 3858877.25	4.32E-03	6.80E-07	2.67E-07	4.66E-03	7.35E-07	2.26E-06	7.44E-03	1.17E-06	4.60E-07
4533	492863.09, 3858877.25	4.53E-03	7.14E-07	2.81E-07	4.90E-03	7.71E-07	2.38E-06	7.81E-03	1.23E-06	4.83E-07
4534	493363.09, 3858877.25	3.99E-03	6.29E-07	2.47E-07	4.31E-03	6.80E-07	2.09E-06	6.88E-03	1.08E-06	4.26E-07
4535	493863.09, 3858877.25	3.21E-03	5.05E-07	1.98E-07	3.46E-03	5.45E-07	1.68E-06	5.52E-03	8.69E-07	3.42E-07
4536	494363.09, 3858877.25	2.89E-03	4.55E-07	1.79E-07	3.12E-03	4.91E-07	1.51E-06	4.97E-03	7.83E-07	3.08E-07
4537	494863.09, 3858877.25	2.55E-03	4.01E-07	1.58E-07	2.75E-03	4.33E-07	1.33E-06	4.38E-03	6.90E-07	2.71E-07
4538	495363.09, 3858877.25	2.25E-03	3.54E-07	1.39E-07	2.43E-03	3.83E-07	1.18E-06	3.87E-03	6.09E-07	2.39E-07
4539	495863.09, 3858877.25	2.09E-03	3.29E-07	1.29E-07	2.26E-03	3.56E-07	1.10E-06	3.59E-03	5.66E-07	2.22E-07
4540	496363.09, 3858877.25	2.02E-03	3.19E-07	1.25E-07	2.19E-03	3.44E-07	1.06E-06	3.48E-03	5.48E-07	2.15E-07

4541	496863.09, 3858877.25	1.97E-03	3.10E-07	1.22E-07	2.12E-03	3.35E-07	1.03E-06	3.38E-03	5.33E-07	2.09E-07
4542	497363.09, 3858877.25	1.90E-03	3.00E-07	1.18E-07	2.06E-03	3.24E-07	9.98E-07	3.28E-03	5.16E-07	2.03E-07
4543	497863.09, 3858877.25	2.08E-03	3.28E-07	1.29E-07	2.25E-03	3.54E-07	1.09E-06	3.59E-03	5.65E-07	2.22E-07
4544	498363.09, 3858877.25	2.23E-03	3.52E-07	1.38E-07	2.41E-03	3.80E-07	1.17E-06	3.85E-03	6.06E-07	2.38E-07
4545	471363.09, 3859377.25	4.06E-04	6.40E-08	2.51E-08	4.38E-04	6.91E-08	2.13E-07	6.95E-04	1.09E-07	4.30E-08
4546	471863.09, 3859377.25	4.29E-04	6.77E-08	2.66E-08	4.63E-04	7.30E-08	2.25E-07	7.35E-04	1.16E-07	4.55E-08
4547	472363.09, 3859377.25	4.68E-04	7.37E-08	2.90E-08	5.05E-04	7.96E-08	2.45E-07	8.02E-04	1.26E-07	4.96E-08
4548	472863.09, 3859377.25	5.03E-04	7.93E-08	3.11E-08	5.43E-04	8.56E-08	2.64E-07	8.62E-04	1.36E-07	5.34E-08
4549	473363.09, 3859377.25	5.47E-04	8.61E-08	3.38E-08	5.90E-04	9.30E-08	2.86E-07	9.37E-04	1.48E-07	5.80E-08
4550	473863.09, 3859377.25	5.74E-04	9.05E-08	3.55E-08	6.20E-04	9.77E-08	3.01E-07	9.84E-04	1.55E-07	6.09E-08
4551	474363.09, 3859377.25	5.11E-04	8.05E-08	3.16E-08	5.52E-04	8.69E-08	2.68E-07	8.75E-04	1.38E-07	5.41E-08
4552	474863.09, 3859377.25	3.59E-04	5.65E-08	2.22E-08	3.87E-04	6.10E-08	1.88E-07	6.12E-04	9.64E-08	3.79E-08
4553	475363.09, 3859377.25	2.28E-04	3.60E-08	1.41E-08	2.46E-04	3.88E-08	1.19E-07	3.88E-04	6.12E-08	2.40E-08
4554	475863.09, 3859377.25	1.51E-04	2.38E-08	9.36E-09	1.63E-04	2.57E-08	7.91E-08	2.57E-04	4.05E-08	1.59E-08
4555	476363.09, 3859377.25	1.38E-04	2.17E-08	8.54E-09	1.49E-04	2.34E-08	7.21E-08	2.34E-04	3.69E-08	1.45E-08
4556	476863.09, 3859377.25	1.14E-04	1.80E-08	7.06E-09	1.23E-04	1.94E-08	5.97E-08	1.93E-04	3.04E-08	1.19E-08
4557	477363.09, 3859377.25	1.24E-04	1.96E-08	7.70E-09	1.34E-04	2.11E-08	6.50E-08	2.10E-04	3.31E-08	1.30E-08
4558	477863.09, 3859377.25	2.30E-04	3.62E-08	1.42E-08	2.48E-04	3.90E-08	1.20E-07	3.89E-04	6.13E-08	2.41E-08
4559	478363.09, 3859377.25	3.75E-04	5.91E-08	2.32E-08	4.04E-04	6.37E-08	1.96E-07	6.37E-04	1.00E-07	3.94E-08
4560	478863.09, 3859377.25	6.47E-04	1.02E-07	4.00E-08	6.98E-04	1.10E-07	3.39E-07	1.11E-03	1.74E-07	6.84E-08
4561	479363.09, 3859377.25	9.67E-04	1.52E-07	5.98E-08	1.04E-03	1.64E-07	5.06E-07	1.66E-03	2.61E-07	1.02E-07
4562	479863.09, 3859377.25	1.27E-03	2.01E-07	7.89E-08	1.38E-03	2.17E-07	6.67E-07	2.18E-03	3.44E-07	1.35E-07
4563	480363.09, 3859377.25	1.56E-03	2.46E-07	9.65E-08	1.68E-03	2.65E-07	8.16E-07	2.67E-03	4.20E-07	1.65E-07
4564	480863.09, 3859377.25	1.76E-03	2.78E-07	1.09E-07	1.90E-03	3.00E-07	9.23E-07	3.01E-03	4.74E-07	1.86E-07
4565	481363.09, 3859377.25	1.96E-03	3.08E-07	1.21E-07	2.11E-03	3.33E-07	1.02E-06	3.34E-03	5.26E-07	2.07E-07
4566	481863.09, 3859377.25	2.16E-03	3.40E-07	1.34E-07	2.33E-03	3.67E-07	1.13E-06	3.69E-03	5.81E-07	2.28E-07
4567	482363.09, 3859377.25	2.36E-03	3.72E-07	1.46E-07	2.55E-03	4.01E-07	1.24E-06	4.02E-03	6.34E-07	2.49E-07
4568	482863.09, 3859377.25	2.62E-03	4.12E-07	1.62E-07	2.82E-03	4.45E-07	1.37E-06	4.46E-03	7.02E-07	2.76E-07
4569	483363.09, 3859377.25	2.89E-03	4.55E-07	1.79E-07	3.11E-03	4.90E-07	1.51E-06	4.90E-03	7.72E-07	3.03E-07
4570	483863.09, 3859377.25	3.00E-03	4.73E-07	1.86E-07	3.23E-03	5.09E-07	1.57E-06	5.07E-03	7.99E-07	3.14E-07
4571	484363.09, 3859377.25	3.26E-03	5.14E-07	2.02E-07	3.51E-03	5.54E-07	1.71E-06	5.51E-03	8.69E-07	3.41E-07
4572	484863.09, 3859377.25	3.55E-03	5.60E-07	2.20E-07	3.83E-03	6.03E-07	1.86E-06	6.01E-03	9.46E-07	3.72E-07
4573	485363.09, 3859377.25	3.82E-03	6.02E-07	2.37E-07	4.12E-03	6.49E-07	2.00E-06	6.45E-03	1.02E-06	3.99E-07
4574	485863.09, 3859377.25	4.07E-03	6.41E-07	2.52E-07	4.39E-03	6.91E-07	2.13E-06	6.86E-03	1.08E-06	4.25E-07
4575	486363.09, 3859377.25	4.33E-03	6.83E-07	2.68E-07	4.67E-03	7.35E-07	2.26E-06	7.30E-03	1.15E-06	4.52E-07
4576	486863.09, 3859377.25	4.57E-03	7.20E-07	2.83E-07	4.92E-03	7.75E-07	2.39E-06	7.68E-03	1.21E-06	4.75E-07
4577	487363.09, 3859377.25	4.79E-03	7.55E-07	2.97E-07	5.16E-03	8.13E-07	2.50E-06	8.04E-03	1.27E-06	4.97E-07
4578	487863.09, 3859377.25	5.05E-03	7.96E-07	3.13E-07	5.44E-03	8.57E-07	2.64E-06	8.44E-03	1.33E-06	5.22E-07
4579	488363.09, 3859377.25	5.33E-03	8.40E-07	3.30E-07	5.74E-03	9.04E-07	2.78E-06	8.89E-03	1.40E-06	5.50E-07
4580	488863.09, 3859377.25	5.47E-03	8.61E-07	3.38E-07	5.89E-03	9.27E-07	2.86E-06	9.16E-03	1.44E-06	5.67E-07
4581	489363.09, 3859377.25	5.27E-03	8.30E-07	3.26E-07	5.67E-03	8.93E-07	2.75E-06	8.84E-03	1.39E-06	5.47E-07
4582	489863.09, 3859377.25	5.41E-03	8.53E-07	3.35E-07	5.83E-03	9.18E-07	2.83E-06	9.09E-03	1.43E-06	5.63E-07
4583	490363.09, 3859377.25	5.42E-03	8.53E-07	3.35E-07	5.84E-03	9.20E-07	2.83E-06	9.18E-03	1.45E-06	5.68E-07
4584	490863.09, 3859377.25	5.10E-03	8.03E-07	3.15E-07	5.50E-03	8.66E-07	2.67E-06	8.71E-03	1.37E-06	5.39E-07
4585	491363.09, 3859377.25	4.10E-03	6.46E-07	2.54E-07	4.43E-03	6.97E-07	2.15E-06	7.05E-03	1.11E-06	4.37E-07
4586	491863.09, 3859377.25	4.42E-03	6.96E-07	2.74E-07	4.77E-03	7.52E-07	2.32E-06	7.59E-03	1.20E-06	4.70E-07
4587	492363.09, 3859377.25	4.17E-03	6.58E-07	2.58E-07	4.51E-03	7.10E-07	2.19E-06	7.17E-03	1.13E-06	4.44E-07
4588	492863.09, 3859377.25	3.98E-03	6.26E-07	2.46E-07	4.29E-03	6.76E-07	2.08E-06	6.83E-03	1.08E-06	4.23E-07
4589	493363.09, 3859377.25	3.62E-03	5.69E-07	2.24E-07	3.90E-03	6.15E-07	1.89E-06	6.22E-03	9.80E-07	3.85E-07
4590	493863.09, 3859377.25	3.43E-03	5.40E-07	2.12E-07	3.70E-03	5.83E-07	1.80E-06	5.90E-03	9.29E-07	3.65E-07
4591	494363.09, 3859377.25	3.16E-03	4.98E-07	1.95E-07	3.41E-03	5.37E-07	1.66E-06	5.44E-03	8.57E-07	3.37E-07
4592	494863.09, 3859377.25	2.72E-03	4.29E-07	1.68E-07	2.94E-03	4.63E-07	1.43E-06	4.69E-03	7.39E-07	2.90E-07
4593	495363.09, 3859377.25	2.57E-03	4.05E-07	1.59E-07	2.78E-03	4.38E-07	1.35E-06	4.43E-03	6.98E-07	2.74E-07
4594	495863.09, 3859377.25	2.36E-03	3.73E-07	1.46E-07	2.55E-03	4.02E-07	1.24E-06	4.07E-03	6.42E-07	2.52E-07
4595	496363.09, 3859377.25	2.31E-03	3.64E-07	1.43E-07	2.50E-03	3.94E-07	1.21E-06	3.98E-03	6.28E-07	2.47E-07
4596	496863.09, 3859377.25	2.07E-03	3.26E-07	1.28E-07	2.23E-03	3.52E-07	1.08E-06	3.56E-03	5.61E-07	2.20E-07
4597	497363.09, 3859377.25	2.11E-03	3.33E-07	1.31E-07	2.28E-03	3.59E-07	1.11E-06	3.64E-03	5.73E-07	2.25E-07
4598	497863.09, 3859377.25	2.23E-03	3.51E-07	1.38E-07	2.41E-03	3.79E-07	1.17E-06	3.84E-03	6.05E-07	2.38E-07
4599	498363.09, 3859377.25	2.26E-03	3.56E-07	1.40E-07	2.44E-03	3.84E-07	1.18E-06	3.89E-03	6.13E-07	2.41E-07
4600	471363.09, 3859877.25	4.21E-04	6.63E-08	2.61E-08	4.54E-04	7.16E-08	2.21E-07	7.21E-04	1.14E-07	4.46E-08
4601	471863.09, 3859877.25	4.49E-04	7.07E-08	2.78E-08	4.85E-04	7.63E-08	2.35E-07	7.70E-04	1.21E-07	4.76E-08
4602	472363.09, 3859877.25	4.74E-04	7.46E-08	2.93E-08	5.11E-04	8.05E-08	2.48E-07	8.12E-04	1.28E-07	5.02E-08
4603	472863.09, 3859877.25	5.12E-04	8.06E-08	3.17E-08	5.52E-04	8.70E-08	2.68E-07	8.77E-04	1.38E-07	5.43E-08
4604	473363.09, 3859877.25	5.49E-04	8.64E-08	3.40E-08	5.92E-04	9.33E-08	2.87E-07	9.39E-04	1.48E-07	5.81E-08

4605	473863.09, 3859877.25	5.81E-04	9.15E-08	3.59E-08	6.27E-04	9.87E-08	3.04E-07	9.93E-04	1.56E-07	6.15E-08
4606	474363.09, 3859877.25	5.46E-04	8.60E-08	3.38E-08	5.89E-04	9.28E-08	2.86E-07	9.33E-04	1.47E-07	5.77E-08
4607	474863.09, 3859877.25	4.61E-04	7.26E-08	2.85E-08	4.98E-04	7.84E-08	2.41E-07	7.88E-04	1.24E-07	4.88E-08
4608	475363.09, 3859877.25	2.76E-04	4.34E-08	1.71E-08	2.97E-04	4.68E-08	1.44E-07	4.69E-04	7.39E-08	2.90E-08
4609	475863.09, 3859877.25	1.46E-04	2.29E-08	9.01E-09	1.57E-04	2.47E-08	7.61E-08	2.47E-04	3.89E-08	1.53E-08
4610	476363.09, 3859877.25	9.29E-05	1.46E-08	5.75E-09	1.00E-04	1.58E-08	4.86E-08	1.57E-04	2.47E-08	9.70E-09
4611	476863.09, 3859877.25	1.07E-04	1.69E-08	6.62E-09	1.15E-04	1.82E-08	5.59E-08	1.81E-04	2.84E-08	1.12E-08
4612	477363.09, 3859877.25	1.14E-04	1.80E-08	7.06E-09	1.23E-04	1.94E-08	5.96E-08	1.92E-04	3.03E-08	1.19E-08
4613	477863.09, 3859877.25	2.04E-04	3.21E-08	1.26E-08	2.20E-04	3.46E-08	1.07E-07	3.45E-04	5.44E-08	2.14E-08
4614	478363.09, 3859877.25	3.69E-04	5.81E-08	2.28E-08	3.98E-04	6.27E-08	1.93E-07	6.27E-04	9.88E-08	3.88E-08
4615	478863.09, 3859877.25	6.34E-04	9.99E-08	3.92E-08	6.84E-04	1.08E-07	3.32E-07	1.08E-03	1.71E-07	6.70E-08
4616	479363.09, 3859877.25	9.82E-04	1.55E-07	6.08E-08	1.06E-03	1.67E-07	5.14E-07	1.68E-03	2.65E-07	1.04E-07
4617	479863.09, 3859877.25	1.25E-03	1.97E-07	7.73E-08	1.35E-03	2.12E-07	6.54E-07	2.14E-03	3.36E-07	1.32E-07
4618	480363.09, 3859877.25	1.46E-03	2.29E-07	9.01E-08	1.57E-03	2.47E-07	7.62E-07	2.49E-03	3.92E-07	1.54E-07
4619	480863.09, 3859877.25	1.61E-03	2.53E-07	9.95E-08	1.73E-03	2.73E-07	8.41E-07	2.74E-03	4.32E-07	1.70E-07
4620	481363.09, 3859877.25	1.76E-03	2.78E-07	1.09E-07	1.90E-03	2.99E-07	9.22E-07	3.00E-03	4.73E-07	1.86E-07
4621	481863.09, 3859877.25	1.91E-03	3.01E-07	1.18E-07	2.06E-03	3.25E-07	1.00E-06	3.26E-03	5.13E-07	2.02E-07
4622	482363.09, 3859877.25	2.07E-03	3.26E-07	1.28E-07	2.24E-03	3.52E-07	1.08E-06	3.53E-03	5.56E-07	2.18E-07
4623	482863.09, 3859877.25	2.25E-03	3.54E-07	1.39E-07	2.43E-03	3.82E-07	1.18E-06	3.83E-03	6.03E-07	2.37E-07
4624	483363.09, 3859877.25	2.42E-03	3.81E-07	1.50E-07	2.61E-03	4.10E-07	1.26E-06	4.11E-03	6.47E-07	2.54E-07
4625	483863.09, 3859877.25	2.50E-03	3.94E-07	1.55E-07	2.70E-03	4.25E-07	1.31E-06	4.23E-03	6.67E-07	2.62E-07
4626	484363.09, 3859877.25	2.63E-03	4.14E-07	1.63E-07	2.83E-03	4.46E-07	1.38E-06	4.44E-03	7.00E-07	2.75E-07
4627	484863.09, 3859877.25	2.80E-03	4.41E-07	1.73E-07	3.01E-03	4.75E-07	1.46E-06	4.73E-03	7.44E-07	2.92E-07
4628	485363.09, 3859877.25	2.94E-03	4.64E-07	1.82E-07	3.17E-03	5.00E-07	1.54E-06	4.97E-03	7.82E-07	3.07E-07
4629	485863.09, 3859877.25	3.06E-03	4.83E-07	1.90E-07	3.30E-03	5.20E-07	1.60E-06	5.16E-03	8.13E-07	3.19E-07
4630	486363.09, 3859877.25	3.17E-03	5.00E-07	1.96E-07	3.42E-03	5.39E-07	1.66E-06	5.34E-03	8.42E-07	3.31E-07
4631	486863.09, 3859877.25	3.30E-03	5.19E-07	2.04E-07	3.55E-03	5.59E-07	1.72E-06	5.55E-03	8.74E-07	3.43E-07
4632	487363.09, 3859877.25	3.31E-03	5.22E-07	2.05E-07	3.57E-03	5.62E-07	1.73E-06	5.56E-03	8.77E-07	3.44E-07
4633	487863.09, 3859877.25	3.44E-03	5.43E-07	2.13E-07	3.71E-03	5.84E-07	1.80E-06	5.78E-03	9.11E-07	3.58E-07
4634	488363.09, 3859877.25	3.50E-03	5.52E-07	2.17E-07	3.77E-03	5.94E-07	1.83E-06	5.89E-03	9.28E-07	3.65E-07
4635	488863.09, 3859877.25	3.65E-03	5.75E-07	2.26E-07	3.93E-03	6.20E-07	1.91E-06	6.17E-03	9.72E-07	3.82E-07
4636	489363.09, 3859877.25	3.69E-03	5.81E-07	2.28E-07	3.98E-03	6.27E-07	1.93E-06	6.26E-03	9.85E-07	3.87E-07
4637	489863.09, 3859877.25	3.51E-03	5.53E-07	2.17E-07	3.79E-03	5.96E-07	1.84E-06	5.96E-03	9.39E-07	3.69E-07
4638	490363.09, 3859877.25	3.44E-03	5.42E-07	2.13E-07	3.71E-03	5.84E-07	1.80E-06	5.84E-03	9.20E-07	3.61E-07
4639	490863.09, 3859877.25	3.62E-03	5.70E-07	2.24E-07	3.90E-03	6.15E-07	1.89E-06	6.15E-03	9.69E-07	3.81E-07
4640	491363.09, 3859877.25	3.64E-03	5.73E-07	2.25E-07	3.93E-03	6.18E-07	1.90E-06	6.21E-03	9.78E-07	3.84E-07
4641	491863.09, 3859877.25	3.58E-03	5.65E-07	2.22E-07	3.87E-03	6.09E-07	1.88E-06	6.13E-03	9.66E-07	3.80E-07
4642	492363.09, 3859877.25	3.48E-03	5.48E-07	2.15E-07	3.75E-03	5.91E-07	1.82E-06	5.96E-03	9.39E-07	3.69E-07
4643	492863.09, 3859877.25	3.32E-03	5.23E-07	2.05E-07	3.58E-03	5.65E-07	1.74E-06	5.69E-03	8.97E-07	3.52E-07
4644	493363.09, 3859877.25	3.16E-03	4.99E-07	1.96E-07	3.42E-03	5.38E-07	1.66E-06	5.43E-03	8.55E-07	3.36E-07
4645	493863.09, 3859877.25	3.01E-03	4.74E-07	1.86E-07	3.25E-03	5.12E-07	1.58E-06	5.17E-03	8.14E-07	3.20E-07
4646	494363.09, 3859877.25	2.84E-03	4.48E-07	1.76E-07	3.07E-03	4.83E-07	1.49E-06	4.88E-03	7.69E-07	3.02E-07
4647	494863.09, 3859877.25	2.72E-03	4.29E-07	1.69E-07	2.94E-03	4.63E-07	1.43E-06	4.68E-03	7.37E-07	2.90E-07
4648	495363.09, 3859877.25	2.58E-03	4.07E-07	1.60E-07	2.79E-03	4.39E-07	1.35E-06	4.44E-03	6.99E-07	2.75E-07
4649	495863.09, 3859877.25	2.43E-03	3.83E-07	1.51E-07	2.63E-03	4.14E-07	1.27E-06	4.18E-03	6.59E-07	2.59E-07
4650	496363.09, 3859877.25	2.20E-03	3.47E-07	1.36E-07	2.38E-03	3.75E-07	1.16E-06	3.80E-03	5.98E-07	2.35E-07
4651	496863.09, 3859877.25	1.70E-03	2.68E-07	1.05E-07	1.84E-03	2.89E-07	8.91E-07	2.93E-03	4.61E-07	1.81E-07
4652	497363.09, 3859877.25	1.98E-03	3.12E-07	1.22E-07	2.14E-03	3.37E-07	1.04E-06	3.41E-03	5.37E-07	2.11E-07
4653	497863.09, 3859877.25	2.13E-03	3.35E-07	1.32E-07	2.30E-03	3.62E-07	1.12E-06	3.67E-03	5.78E-07	2.27E-07
4654	498363.09, 3859877.25	2.11E-03	3.33E-07	1.31E-07	2.28E-03	3.60E-07	1.11E-06	3.64E-03	5.74E-07	2.25E-07
4655	471363.09, 3860377.25	4.30E-04	6.77E-08	2.66E-08	4.64E-04	7.30E-08	2.25E-07	7.36E-04	1.16E-07	4.55E-08
4656	471863.09, 3860377.25	4.54E-04	7.16E-08	2.81E-08	4.90E-04	7.73E-08	2.38E-07	7.78E-04	1.23E-07	4.82E-08
4657	472363.09, 3860377.25	4.84E-04	7.62E-08	2.99E-08	5.22E-04	8.22E-08	2.53E-07	8.28E-04	1.30E-07	5.12E-08
4658	472863.09, 3860377.25	5.16E-04	8.12E-08	3.19E-08	5.56E-04	8.77E-08	2.70E-07	8.81E-04	1.39E-07	5.46E-08
4659	473363.09, 3860377.25	5.46E-04	8.60E-08	3.38E-08	5.89E-04	9.28E-08	2.86E-07	9.32E-04	1.47E-07	5.77E-08
4660	473863.09, 3860377.25	5.72E-04	9.01E-08	3.54E-08	6.17E-04	9.72E-08	2.99E-07	9.77E-04	1.54E-07	6.04E-08
4661	474363.09, 3860377.25	5.80E-04	9.14E-08	3.59E-08	6.26E-04	9.86E-08	3.04E-07	9.92E-04	1.56E-07	6.14E-08
4662	474863.09, 3860377.25	5.64E-04	8.89E-08	3.49E-08	6.09E-04	9.59E-08	2.96E-07	9.65E-04	1.52E-07	5.97E-08
4663	475363.09, 3860377.25	4.94E-04	7.78E-08	3.06E-08	5.33E-04	8.40E-08	2.59E-07	8.45E-04	1.33E-07	5.23E-08
4664	475863.09, 3860377.25	4.03E-04	6.35E-08	2.49E-08	4.35E-04	6.85E-08	2.11E-07	6.88E-04	1.08E-07	4.26E-08
4665	476363.09, 3860377.25	3.08E-04	4.85E-08	1.91E-08	3.32E-04	5.23E-08	1.61E-07	5.24E-04	8.26E-08	3.24E-08
4666	476863.09, 3860377.25	2.75E-04	4.33E-08	1.70E-08	2.97E-04	4.67E-08	1.44E-07	4.67E-04	7.36E-08	2.89E-08
4667	477363.09, 3860377.25	1.67E-04	2.63E-08	1.03E-08	1.80E-04	2.83E-08	8.71E-08	2.82E-04	4.44E-08	1.74E-08
4668	477863.09, 3860377.25	2.12E-04	3.34E-08	1.31E-08	2.28E-04	3.59E-08	1.11E-07	3.58E-04	5.65E-08	2.22E-08

4669	478363.09, 3860377.25	4.12E-04	6.49E-08	2.55E-08	4.45E-04	7.00E-08	2.16E-07	7.02E-04	1.11E-07	4.34E-08
4670	478863.09, 3860377.25	6.49E-04	1.02E-07	4.02E-08	7.00E-04	1.10E-07	3.40E-07	1.11E-03	1.75E-07	6.86E-08
4671	479363.09, 3860377.25	9.41E-04	1.48E-07	5.83E-08	1.02E-03	1.60E-07	4.93E-07	1.61E-03	2.54E-07	9.97E-08
4672	479863.09, 3860377.25	1.18E-03	1.87E-07	7.33E-08	1.28E-03	2.01E-07	6.20E-07	2.03E-03	3.19E-07	1.25E-07
4673	480363.09, 3860377.25	1.34E-03	2.11E-07	8.30E-08	1.45E-03	2.28E-07	7.02E-07	2.29E-03	3.61E-07	1.42E-07
4674	480863.09, 3860377.25	1.46E-03	2.30E-07	9.04E-08	1.58E-03	2.48E-07	7.64E-07	2.49E-03	3.92E-07	1.54E-07
4675	481363.09, 3860377.25	1.57E-03	2.48E-07	9.73E-08	1.70E-03	2.67E-07	8.23E-07	2.68E-03	4.22E-07	1.66E-07
4676	481863.09, 3860377.25	1.69E-03	2.66E-07	1.05E-07	1.82E-03	2.87E-07	8.85E-07	2.88E-03	4.54E-07	1.78E-07
4677	482363.09, 3860377.25	1.81E-03	2.85E-07	1.12E-07	1.95E-03	3.07E-07	9.45E-07	3.07E-03	4.84E-07	1.90E-07
4678	482863.09, 3860377.25	1.92E-03	3.03E-07	1.19E-07	2.07E-03	3.27E-07	1.01E-06	3.27E-03	5.15E-07	2.02E-07
4679	483363.09, 3860377.25	2.03E-03	3.21E-07	1.26E-07	2.19E-03	3.46E-07	1.06E-06	3.45E-03	5.44E-07	2.14E-07
4680	483863.09, 3860377.25	2.14E-03	3.37E-07	1.33E-07	2.31E-03	3.64E-07	1.12E-06	3.63E-03	5.71E-07	2.24E-07
4681	484363.09, 3860377.25	2.17E-03	3.42E-07	1.34E-07	2.34E-03	3.68E-07	1.13E-06	3.66E-03	5.77E-07	2.27E-07
4682	484863.09, 3860377.25	2.27E-03	3.57E-07	1.40E-07	2.44E-03	3.85E-07	1.18E-06	3.82E-03	6.02E-07	2.37E-07
4683	485363.09, 3860377.25	2.35E-03	3.70E-07	1.45E-07	2.53E-03	3.98E-07	1.23E-06	3.96E-03	6.23E-07	2.45E-07
4684	485863.09, 3860377.25	2.42E-03	3.80E-07	1.49E-07	2.60E-03	4.10E-07	1.26E-06	4.07E-03	6.41E-07	2.52E-07
4685	486363.09, 3860377.25	2.44E-03	3.85E-07	1.51E-07	2.63E-03	4.14E-07	1.28E-06	4.11E-03	6.48E-07	2.55E-07
4686	486863.09, 3860377.25	2.45E-03	3.87E-07	1.52E-07	2.64E-03	4.17E-07	1.28E-06	4.13E-03	6.51E-07	2.56E-07
4687	487363.09, 3860377.25	2.46E-03	3.88E-07	1.52E-07	2.65E-03	4.18E-07	1.29E-06	4.14E-03	6.52E-07	2.56E-07
4688	487863.09, 3860377.25	2.52E-03	3.96E-07	1.56E-07	2.71E-03	4.27E-07	1.31E-06	4.23E-03	6.67E-07	2.62E-07
4689	488363.09, 3860377.25	2.57E-03	4.05E-07	1.59E-07	2.77E-03	4.36E-07	1.34E-06	4.33E-03	6.82E-07	2.68E-07
4690	488863.09, 3860377.25	2.63E-03	4.14E-07	1.63E-07	2.83E-03	4.46E-07	1.38E-06	4.45E-03	7.01E-07	2.75E-07
4691	489363.09, 3860377.25	2.71E-03	4.26E-07	1.68E-07	2.92E-03	4.60E-07	1.42E-06	4.60E-03	7.24E-07	2.84E-07
4692	489863.09, 3860377.25	2.74E-03	4.32E-07	1.70E-07	2.96E-03	4.66E-07	1.44E-06	4.67E-03	7.35E-07	2.89E-07
4693	490363.09, 3860377.25	2.60E-03	4.10E-07	1.61E-07	2.81E-03	4.42E-07	1.36E-06	4.43E-03	6.98E-07	2.74E-07
4694	490863.09, 3860377.25	2.49E-03	3.92E-07	1.54E-07	2.68E-03	4.23E-07	1.30E-06	4.24E-03	6.68E-07	2.62E-07
4695	491363.09, 3860377.25	2.51E-03	3.96E-07	1.55E-07	2.71E-03	4.27E-07	1.31E-06	4.28E-03	6.74E-07	2.65E-07
4696	491863.09, 3860377.25	2.60E-03	4.10E-07	1.61E-07	2.81E-03	4.43E-07	1.36E-06	4.45E-03	7.00E-07	2.75E-07
4697	492363.09, 3860377.25	2.68E-03	4.23E-07	1.66E-07	2.90E-03	4.56E-07	1.41E-06	4.60E-03	7.24E-07	2.84E-07
4698	492863.09, 3860377.25	2.66E-03	4.19E-07	1.64E-07	2.87E-03	4.52E-07	1.39E-06	4.56E-03	7.18E-07	2.82E-07
4699	493363.09, 3860377.25	2.63E-03	4.14E-07	1.63E-07	2.84E-03	4.47E-07	1.38E-06	4.51E-03	7.11E-07	2.79E-07
4700	493863.09, 3860377.25	2.54E-03	4.00E-07	1.57E-07	2.74E-03	4.32E-07	1.33E-06	4.36E-03	6.87E-07	2.70E-07
4701	494363.09, 3860377.25	2.46E-03	3.88E-07	1.52E-07	2.66E-03	4.19E-07	1.29E-06	4.23E-03	6.67E-07	2.62E-07
4702	494863.09, 3860377.25	2.37E-03	3.74E-07	1.47E-07	2.56E-03	4.03E-07	1.24E-06	4.08E-03	6.43E-07	2.53E-07
4703	495363.09, 3860377.25	2.29E-03	3.61E-07	1.42E-07	2.48E-03	3.90E-07	1.20E-06	3.95E-03	6.22E-07	2.44E-07
4704	495863.09, 3860377.25	2.17E-03	3.41E-07	1.34E-07	2.34E-03	3.69E-07	1.14E-06	3.72E-03	5.87E-07	2.30E-07
4705	496363.09, 3860377.25	2.02E-03	3.18E-07	1.25E-07	2.18E-03	3.43E-07	1.06E-06	3.47E-03	5.46E-07	2.15E-07
4706	496863.09, 3860377.25	1.87E-03	2.94E-07	1.16E-07	2.02E-03	3.18E-07	9.79E-07	3.22E-03	5.07E-07	1.99E-07
4707	497363.09, 3860377.25	1.68E-03	2.65E-07	1.04E-07	1.81E-03	2.86E-07	8.80E-07	2.89E-03	4.56E-07	1.79E-07
4708	497863.09, 3860377.25	1.84E-03	2.89E-07	1.14E-07	1.98E-03	3.12E-07	9.62E-07	3.16E-03	4.98E-07	1.96E-07
4709	498363.09, 3860377.25	1.87E-03	2.95E-07	1.16E-07	2.02E-03	3.18E-07	9.80E-07	3.22E-03	5.07E-07	1.99E-07
4710	471363.09, 3860877.25	4.34E-04	6.84E-08	2.69E-08	4.69E-04	7.39E-08	2.27E-07	7.43E-04	1.17E-07	4.60E-08
4711	471863.09, 3860877.25	4.58E-04	7.22E-08	2.84E-08	4.95E-04	7.79E-08	2.40E-07	7.84E-04	1.23E-07	4.85E-08
4712	472363.09, 3860877.25	4.82E-04	7.60E-08	2.98E-08	5.20E-04	8.20E-08	2.52E-07	8.24E-04	1.30E-07	5.10E-08
4713	472863.09, 3860877.25	5.09E-04	8.02E-08	3.15E-08	5.49E-04	8.66E-08	2.67E-07	8.70E-04	1.37E-07	5.38E-08
4714	473363.09, 3860877.25	5.34E-04	8.41E-08	3.30E-08	5.76E-04	9.07E-08	2.79E-07	9.11E-04	1.44E-07	5.64E-08
4715	473863.09, 3860877.25	5.58E-04	8.80E-08	3.46E-08	6.02E-04	9.49E-08	2.92E-07	9.54E-04	1.50E-07	5.90E-08
4716	474363.09, 3860877.25	5.82E-04	9.16E-08	3.60E-08	6.27E-04	9.88E-08	3.04E-07	9.94E-04	1.57E-07	6.15E-08
4717	474863.09, 3860877.25	6.09E-04	9.59E-08	3.77E-08	6.57E-04	1.03E-07	3.19E-07	1.04E-03	1.64E-07	6.44E-08
4718	475363.09, 3860877.25	6.13E-04	9.66E-08	3.80E-08	6.62E-04	1.04E-07	3.21E-07	1.05E-03	1.65E-07	6.49E-08
4719	475863.09, 3860877.25	5.87E-04	9.25E-08	3.63E-08	6.34E-04	9.98E-08	3.07E-07	1.00E-03	1.58E-07	6.22E-08
4720	476363.09, 3860877.25	5.25E-04	8.27E-08	3.25E-08	5.66E-04	8.92E-08	2.75E-07	8.98E-04	1.41E-07	5.56E-08
4721	476863.09, 3860877.25	5.01E-04	7.89E-08	3.10E-08	5.41E-04	8.52E-08	2.62E-07	8.57E-04	1.35E-07	5.30E-08
4722	477363.09, 3860877.25	5.19E-04	8.18E-08	3.21E-08	5.60E-04	8.82E-08	2.72E-07	8.88E-04	1.40E-07	5.49E-08
4723	477863.09, 3860877.25	4.41E-04	6.94E-08	2.73E-08	4.76E-04	7.49E-08	2.31E-07	7.52E-04	1.19E-07	4.66E-08
4724	478363.09, 3860877.25	2.53E-04	3.98E-08	1.56E-08	2.72E-04	4.29E-08	1.32E-07	4.28E-04	6.75E-08	2.65E-08
4725	478863.09, 3860877.25	6.02E-04	9.49E-08	3.73E-08	6.50E-04	1.02E-07	3.15E-07	1.03E-03	1.62E-07	6.37E-08
4726	479363.09, 3860877.25	9.02E-04	1.42E-07	5.58E-08	9.74E-04	1.53E-07	4.72E-07	1.55E-03	2.43E-07	9.56E-08
4727	479863.09, 3860877.25	1.10E-03	1.74E-07	6.82E-08	1.19E-03	1.87E-07	5.77E-07	1.88E-03	2.97E-07	1.17E-07
4728	480363.09, 3860877.25	1.22E-03	1.92E-07	7.55E-08	1.32E-03	2.07E-07	6.39E-07	2.08E-03	3.28E-07	1.29E-07
4729	480863.09, 3860877.25	1.31E-03	2.06E-07	8.09E-08	1.41E-03	2.22E-07	6.84E-07	2.22E-03	3.50E-07	1.38E-07
4730	481363.09, 3860877.25	1.40E-03	2.20E-07	8.65E-08	1.51E-03	2.37E-07	7.31E-07	2.38E-03	3.75E-07	1.47E-07
4731	481863.09, 3860877.25	1.48E-03	2.33E-07	9.16E-08	1.60E-03	2.52E-07	7.75E-07	2.52E-03	3.97E-07	1.56E-07
4732	482363.09, 3860877.25	1.57E-03	2.47E-07	9.72E-08	1.69E-03	2.67E-07	8.21E-07	2.67E-03	4.20E-07	1.65E-07

4733	482863.09, 3860877.25	1.65E-03	2.61E-07	1.02E-07	1.78E-03	2.81E-07	8.66E-07	2.81E-03	4.42E-07	1.74E-07
4734	483363.09, 3860877.25	1.73E-03	2.73E-07	1.07E-07	1.87E-03	2.94E-07	9.05E-07	2.93E-03	4.62E-07	1.81E-07
4735	483863.09, 3860877.25	1.80E-03	2.84E-07	1.12E-07	1.94E-03	3.06E-07	9.43E-07	3.05E-03	4.80E-07	1.89E-07
4736	484363.09, 3860877.25	1.85E-03	2.92E-07	1.15E-07	2.00E-03	3.15E-07	9.69E-07	3.13E-03	4.93E-07	1.94E-07
4737	484863.09, 3860877.25	1.87E-03	2.95E-07	1.16E-07	2.02E-03	3.18E-07	9.78E-07	3.16E-03	4.98E-07	1.95E-07
4738	485363.09, 3860877.25	1.93E-03	3.04E-07	1.19E-07	2.08E-03	3.27E-07	1.01E-06	3.25E-03	5.13E-07	2.01E-07
4739	485863.09, 3860877.25	1.98E-03	3.12E-07	1.23E-07	2.14E-03	3.37E-07	1.04E-06	3.34E-03	5.27E-07	2.07E-07
4740	486363.09, 3860877.25	1.96E-03	3.08E-07	1.21E-07	2.11E-03	3.32E-07	1.02E-06	3.30E-03	5.19E-07	2.04E-07
4741	486863.09, 3860877.25	1.94E-03	3.06E-07	1.20E-07	2.09E-03	3.30E-07	1.02E-06	3.27E-03	5.15E-07	2.02E-07
4742	487363.09, 3860877.25	1.94E-03	3.06E-07	1.20E-07	2.09E-03	3.29E-07	1.01E-06	3.27E-03	5.15E-07	2.02E-07
4743	487863.09, 3860877.25	1.94E-03	3.05E-07	1.20E-07	2.09E-03	3.29E-07	1.01E-06	3.26E-03	5.14E-07	2.02E-07
4744	488363.09, 3860877.25	2.02E-03	3.18E-07	1.25E-07	2.18E-03	3.43E-07	1.06E-06	3.41E-03	5.38E-07	2.11E-07
4745	488863.09, 3860877.25	2.02E-03	3.19E-07	1.25E-07	2.18E-03	3.44E-07	1.06E-06	3.43E-03	5.40E-07	2.12E-07
4746	489363.09, 3860877.25	2.09E-03	3.30E-07	1.30E-07	2.26E-03	3.56E-07	1.10E-06	3.55E-03	5.60E-07	2.20E-07
4747	489863.09, 3860877.25	2.10E-03	3.30E-07	1.30E-07	2.26E-03	3.56E-07	1.10E-06	3.57E-03	5.62E-07	2.21E-07
4748	490363.09, 3860877.25	2.12E-03	3.34E-07	1.31E-07	2.29E-03	3.61E-07	1.11E-06	3.62E-03	5.70E-07	2.24E-07
4749	490863.09, 3860877.25	2.04E-03	3.22E-07	1.26E-07	2.20E-03	3.47E-07	1.07E-06	3.48E-03	5.48E-07	2.15E-07
4750	491363.09, 3860877.25	1.94E-03	3.05E-07	1.20E-07	2.09E-03	3.29E-07	1.01E-06	3.31E-03	5.21E-07	2.05E-07
4751	491863.09, 3860877.25	1.93E-03	3.04E-07	1.19E-07	2.08E-03	3.28E-07	1.01E-06	3.29E-03	5.18E-07	2.04E-07
4752	492363.09, 3860877.25	1.95E-03	3.07E-07	1.20E-07	2.10E-03	3.31E-07	1.02E-06	3.33E-03	5.24E-07	2.06E-07
4753	492863.09, 3860877.25	2.02E-03	3.18E-07	1.25E-07	2.18E-03	3.43E-07	1.06E-06	3.45E-03	5.44E-07	2.14E-07
4754	493363.09, 3860877.25	2.09E-03	3.29E-07	1.29E-07	2.25E-03	3.55E-07	1.09E-06	3.58E-03	5.63E-07	2.21E-07
4755	493863.09, 3860877.25	2.07E-03	3.26E-07	1.28E-07	2.24E-03	3.52E-07	1.09E-06	3.56E-03	5.61E-07	2.20E-07
4756	494363.09, 3860877.25	2.04E-03	3.21E-07	1.26E-07	2.20E-03	3.47E-07	1.07E-06	3.50E-03	5.52E-07	2.17E-07
4757	494863.09, 3860877.25	2.00E-03	3.15E-07	1.24E-07	2.16E-03	3.40E-07	1.05E-06	3.44E-03	5.42E-07	2.13E-07
4758	495363.09, 3860877.25	1.95E-03	3.07E-07	1.21E-07	2.11E-03	3.32E-07	1.02E-06	3.36E-03	5.29E-07	2.08E-07
4759	495863.09, 3860877.25	1.89E-03	2.98E-07	1.17E-07	2.04E-03	3.22E-07	9.92E-07	3.26E-03	5.14E-07	2.02E-07
4760	496363.09, 3860877.25	1.85E-03	2.92E-07	1.15E-07	2.00E-03	3.15E-07	9.70E-07	3.19E-03	5.03E-07	1.97E-07
4761	496863.09, 3860877.25	1.77E-03	2.79E-07	1.09E-07	1.91E-03	3.01E-07	9.26E-07	3.04E-03	4.79E-07	1.88E-07
4762	497363.09, 3860877.25	1.72E-03	2.71E-07	1.06E-07	1.85E-03	2.92E-07	9.00E-07	2.95E-03	4.65E-07	1.83E-07
4763	497863.09, 3860877.25	1.66E-03	2.61E-07	1.03E-07	1.79E-03	2.82E-07	8.68E-07	2.85E-03	4.49E-07	1.76E-07
4764	498363.09, 3860877.25	1.64E-03	2.59E-07	1.02E-07	1.77E-03	2.79E-07	8.61E-07	2.83E-03	4.45E-07	1.75E-07
4765	471363.09, 3861377.25	4.33E-04	6.82E-08	2.68E-08	4.67E-04	7.36E-08	2.27E-07	7.40E-04	1.17E-07	4.58E-08
4766	471863.09, 3861377.25	4.53E-04	7.14E-08	2.80E-08	4.89E-04	7.70E-08	2.37E-07	7.74E-04	1.22E-07	4.79E-08
4767	472363.09, 3861377.25	4.74E-04	7.46E-08	2.93E-08	5.11E-04	8.05E-08	2.48E-07	8.09E-04	1.27E-07	5.01E-08
4768	472863.09, 3861377.25	4.98E-04	7.84E-08	3.08E-08	5.37E-04	8.46E-08	2.61E-07	8.50E-04	1.34E-07	5.26E-08
4769	473363.09, 3861377.25	5.21E-04	8.21E-08	3.23E-08	5.62E-04	8.86E-08	2.73E-07	8.90E-04	1.40E-07	5.51E-08
4770	473863.09, 3861377.25	5.43E-04	8.56E-08	3.36E-08	5.86E-04	9.24E-08	2.84E-07	9.28E-04	1.46E-07	5.75E-08
4771	474363.09, 3861377.25	5.73E-04	9.02E-08	3.54E-08	6.18E-04	9.73E-08	3.00E-07	9.78E-04	1.54E-07	6.05E-08
4772	474863.09, 3861377.25	5.95E-04	9.37E-08	3.68E-08	6.42E-04	1.01E-07	3.11E-07	1.02E-03	1.60E-07	6.29E-08
4773	475363.09, 3861377.25	6.27E-04	9.88E-08	3.88E-08	6.77E-04	1.07E-07	3.28E-07	1.07E-03	1.69E-07	6.63E-08
4774	475863.09, 3861377.25	6.46E-04	1.02E-07	4.00E-08	6.97E-04	1.10E-07	3.38E-07	1.10E-03	1.74E-07	6.83E-08
4775	476363.09, 3861377.25	6.51E-04	1.03E-07	4.03E-08	7.03E-04	1.11E-07	3.41E-07	1.11E-03	1.75E-07	6.89E-08
4776	476863.09, 3861377.25	6.58E-04	1.04E-07	4.07E-08	7.10E-04	1.12E-07	3.44E-07	1.13E-03	1.77E-07	6.97E-08
4777	477363.09, 3861377.25	6.68E-04	1.05E-07	4.13E-08	7.21E-04	1.14E-07	3.50E-07	1.14E-03	1.80E-07	7.08E-08
4778	477863.09, 3861377.25	5.56E-04	8.76E-08	3.44E-08	6.00E-04	9.46E-08	2.91E-07	9.52E-04	1.50E-07	5.89E-08
4779	478363.09, 3861377.25	3.14E-04	4.95E-08	1.94E-08	3.39E-04	5.34E-08	1.64E-07	5.33E-04	8.40E-08	3.30E-08
4780	478863.09, 3861377.25	4.06E-04	6.40E-08	2.52E-08	4.38E-04	6.91E-08	2.13E-07	6.92E-04	1.09E-07	4.28E-08
4781	479363.09, 3861377.25	8.10E-04	1.28E-07	5.01E-08	8.74E-04	1.38E-07	4.24E-07	1.39E-03	2.19E-07	8.59E-08
4782	479863.09, 3861377.25	9.99E-04	1.57E-07	6.18E-08	1.08E-03	1.70E-07	5.23E-07	1.71E-03	2.69E-07	1.06E-07
4783	480363.09, 3861377.25	1.10E-03	1.74E-07	6.82E-08	1.19E-03	1.87E-07	5.77E-07	1.88E-03	2.95E-07	1.16E-07
4784	480863.09, 3861377.25	1.18E-03	1.85E-07	7.27E-08	1.27E-03	2.00E-07	6.15E-07	2.00E-03	3.15E-07	1.24E-07
4785	481363.09, 3861377.25	1.24E-03	1.95E-07	7.68E-08	1.34E-03	2.11E-07	6.49E-07	2.11E-03	3.32E-07	1.30E-07
4786	481863.09, 3861377.25	1.30E-03	2.05E-07	8.07E-08	1.41E-03	2.22E-07	6.82E-07	2.21E-03	3.49E-07	1.37E-07
4787	482363.09, 3861377.25	1.37E-03	2.16E-07	8.47E-08	1.48E-03	2.33E-07	7.16E-07	2.32E-03	3.66E-07	1.44E-07
4788	482863.09, 3861377.25	1.43E-03	2.26E-07	8.87E-08	1.54E-03	2.43E-07	7.49E-07	2.43E-03	3.82E-07	1.50E-07
4789	483363.09, 3861377.25	1.49E-03	2.35E-07	9.24E-08	1.61E-03	2.54E-07	7.81E-07	2.53E-03	3.98E-07	1.56E-07
4790	483863.09, 3861377.25	1.54E-03	2.43E-07	9.55E-08	1.66E-03	2.62E-07	8.07E-07	2.61E-03	4.11E-07	1.61E-07
4791	484363.09, 3861377.25	1.59E-03	2.51E-07	9.86E-08	1.72E-03	2.70E-07	8.33E-07	2.69E-03	4.24E-07	1.67E-07
4792	484863.09, 3861377.25	1.61E-03	2.53E-07	9.94E-08	1.73E-03	2.73E-07	8.40E-07	2.71E-03	4.27E-07	1.68E-07
4793	485363.09, 3861377.25	1.61E-03	2.53E-07	9.95E-08	1.73E-03	2.73E-07	8.40E-07	2.71E-03	4.27E-07	1.68E-07
4794	485863.09, 3861377.25	1.62E-03	2.56E-07	1.01E-07	1.75E-03	2.76E-07	8.49E-07	2.74E-03	4.31E-07	1.69E-07
4795	486363.09, 3861377.25	1.61E-03	2.54E-07	9.97E-08	1.74E-03	2.73E-07	8.42E-07	2.71E-03	4.27E-07	1.68E-07
4796	486863.09, 3861377.25	1.59E-03	2.51E-07	9.87E-08	1.72E-03	2.71E-07	8.33E-07	2.68E-03	4.22E-07	1.66E-07

4797	487363.09, 3861377.25	1.59E-03	2.50E-07	9.82E-08	1.71E-03	2.69E-07	8.29E-07	2.67E-03	4.20E-07	1.65E-07
4798	487863.09, 3861377.25	1.59E-03	2.50E-07	9.81E-08	1.71E-03	2.69E-07	8.29E-07	2.67E-03	4.21E-07	1.65E-07
4799	488363.09, 3861377.25	1.59E-03	2.50E-07	9.82E-08	1.71E-03	2.69E-07	8.30E-07	2.68E-03	4.22E-07	1.66E-07
4800	488863.09, 3861377.25	1.62E-03	2.56E-07	1.00E-07	1.75E-03	2.76E-07	8.49E-07	2.75E-03	4.33E-07	1.70E-07
4801	489363.09, 3861377.25	1.64E-03	2.58E-07	1.02E-07	1.77E-03	2.79E-07	8.58E-07	2.78E-03	4.38E-07	1.72E-07
4802	489863.09, 3861377.25	1.67E-03	2.63E-07	1.03E-07	1.80E-03	2.84E-07	8.75E-07	2.84E-03	4.48E-07	1.76E-07
4803	490363.09, 3861377.25	1.70E-03	2.68E-07	1.05E-07	1.83E-03	2.89E-07	8.89E-07	2.89E-03	4.56E-07	1.79E-07
4804	490863.09, 3861377.25	1.72E-03	2.70E-07	1.06E-07	1.85E-03	2.92E-07	8.99E-07	2.93E-03	4.62E-07	1.81E-07
4805	491363.09, 3861377.25	1.66E-03	2.62E-07	1.03E-07	1.79E-03	2.83E-07	8.70E-07	2.84E-03	4.47E-07	1.76E-07
4806	491863.09, 3861377.25	1.58E-03	2.49E-07	9.77E-08	1.70E-03	2.68E-07	8.26E-07	2.70E-03	4.25E-07	1.67E-07
4807	492363.09, 3861377.25	1.54E-03	2.43E-07	9.55E-08	1.67E-03	2.62E-07	8.08E-07	2.64E-03	4.16E-07	1.63E-07
4808	492863.09, 3861377.25	1.56E-03	2.45E-07	9.62E-08	1.68E-03	2.64E-07	8.14E-07	2.66E-03	4.19E-07	1.65E-07
4809	493363.09, 3861377.25	1.60E-03	2.52E-07	9.91E-08	1.73E-03	2.72E-07	8.39E-07	2.74E-03	4.32E-07	1.70E-07
4810	493863.09, 3861377.25	1.64E-03	2.59E-07	1.02E-07	1.77E-03	2.79E-07	8.60E-07	2.82E-03	4.44E-07	1.74E-07
4811	494363.09, 3861377.25	1.66E-03	2.62E-07	1.03E-07	1.79E-03	2.83E-07	8.70E-07	2.85E-03	4.49E-07	1.77E-07
4812	494863.09, 3861377.25	1.66E-03	2.61E-07	1.03E-07	1.79E-03	2.82E-07	8.69E-07	2.85E-03	4.49E-07	1.77E-07
4813	495363.09, 3861377.25	1.64E-03	2.58E-07	1.01E-07	1.77E-03	2.78E-07	8.57E-07	2.81E-03	4.43E-07	1.74E-07
4814	495863.09, 3861377.25	1.60E-03	2.52E-07	9.88E-08	1.72E-03	2.72E-07	8.37E-07	2.75E-03	4.33E-07	1.70E-07
4815	496363.09, 3861377.25	1.58E-03	2.49E-07	9.77E-08	1.71E-03	2.69E-07	8.27E-07	2.72E-03	4.28E-07	1.68E-07
4816	496863.09, 3861377.25	1.57E-03	2.47E-07	9.70E-08	1.69E-03	2.67E-07	8.21E-07	2.70E-03	4.26E-07	1.67E-07
4817	497363.09, 3861377.25	1.53E-03	2.41E-07	9.47E-08	1.65E-03	2.60E-07	8.02E-07	2.64E-03	4.16E-07	1.63E-07
4818	497863.09, 3861377.25	1.49E-03	2.35E-07	9.24E-08	1.61E-03	2.54E-07	7.83E-07	2.58E-03	4.06E-07	1.59E-07
4819	498363.09, 3861377.25	1.46E-03	2.30E-07	9.03E-08	1.58E-03	2.48E-07	7.65E-07	2.52E-03	3.97E-07	1.56E-07
4820	471363.09, 3861877.25	4.26E-04	6.71E-08	2.64E-08	4.60E-04	7.24E-08	2.23E-07	7.28E-04	1.15E-07	4.50E-08
4821	471863.09, 3861877.25	4.44E-04	6.99E-08	2.75E-08	4.79E-04	7.55E-08	2.32E-07	7.58E-04	1.19E-07	4.69E-08
4822	472363.09, 3861877.25	4.63E-04	7.30E-08	2.87E-08	5.00E-04	7.88E-08	2.43E-07	7.92E-04	1.25E-07	4.90E-08
4823	472863.09, 3861877.25	4.85E-04	7.64E-08	3.00E-08	5.23E-04	8.24E-08	2.54E-07	8.28E-04	1.30E-07	5.12E-08
4824	473363.09, 3861877.25	5.07E-04	7.99E-08	3.14E-08	5.47E-04	8.62E-08	2.65E-07	8.66E-04	1.36E-07	5.36E-08
4825	473863.09, 3861877.25	5.29E-04	8.33E-08	3.27E-08	5.71E-04	8.99E-08	2.77E-07	9.03E-04	1.42E-07	5.59E-08
4826	474363.09, 3861877.25	5.53E-04	8.71E-08	3.42E-08	5.97E-04	9.40E-08	2.90E-07	9.44E-04	1.49E-07	5.84E-08
4827	474863.09, 3861877.25	5.76E-04	9.08E-08	3.57E-08	6.22E-04	9.79E-08	3.02E-07	9.83E-04	1.55E-07	6.09E-08
4828	475363.09, 3861877.25	6.02E-04	9.48E-08	3.73E-08	6.49E-04	1.02E-07	3.15E-07	1.03E-03	1.62E-07	6.35E-08
4829	475863.09, 3861877.25	6.31E-04	9.94E-08	3.91E-08	6.81E-04	1.07E-07	3.30E-07	1.08E-03	1.70E-07	6.66E-08
4830	476363.09, 3861877.25	6.59E-04	1.04E-07	4.08E-08	7.11E-04	1.12E-07	3.45E-07	1.12E-03	1.77E-07	6.96E-08
4831	476863.09, 3861877.25	6.78E-04	1.07E-07	4.19E-08	7.31E-04	1.15E-07	3.55E-07	1.16E-03	1.82E-07	7.17E-08
4832	477363.09, 3861877.25	6.87E-04	1.08E-07	4.25E-08	7.42E-04	1.17E-07	3.60E-07	1.18E-03	1.85E-07	7.27E-08
4833	477863.09, 3861877.25	5.57E-04	8.78E-08	3.45E-08	6.01E-04	9.48E-08	2.92E-07	9.53E-04	1.50E-07	5.90E-08
4834	478363.09, 3861877.25	2.56E-04	4.04E-08	1.59E-08	2.76E-04	4.35E-08	1.34E-07	4.35E-04	6.85E-08	2.69E-08
4835	478863.09, 3861877.25	4.64E-04	7.31E-08	2.87E-08	5.01E-04	7.89E-08	2.43E-07	7.92E-04	1.25E-07	4.90E-08
4836	479363.09, 3861877.25	4.18E-04	6.58E-08	2.58E-08	4.50E-04	7.10E-08	2.19E-07	7.12E-04	1.12E-07	4.40E-08
4837	479863.09, 3861877.25	9.04E-04	1.42E-07	5.60E-08	9.75E-04	1.54E-07	4.73E-07	1.54E-03	2.43E-07	9.55E-08
4838	480363.09, 3861877.25	1.00E-03	1.58E-07	6.19E-08	1.08E-03	1.70E-07	5.24E-07	1.70E-03	2.68E-07	1.05E-07
4839	480863.09, 3861877.25	1.05E-03	1.66E-07	6.51E-08	1.13E-03	1.79E-07	5.50E-07	1.79E-03	2.82E-07	1.11E-07
4840	481363.09, 3861877.25	1.10E-03	1.74E-07	6.82E-08	1.19E-03	1.87E-07	5.77E-07	1.87E-03	2.95E-07	1.16E-07
4841	481863.09, 3861877.25	1.15E-03	1.82E-07	7.14E-08	1.24E-03	1.96E-07	6.04E-07	1.96E-03	3.08E-07	1.21E-07
4842	482363.09, 3861877.25	1.21E-03	1.90E-07	7.48E-08	1.30E-03	2.05E-07	6.32E-07	2.05E-03	3.22E-07	1.27E-07
4843	482863.09, 3861877.25	1.26E-03	1.99E-07	7.81E-08	1.36E-03	2.14E-07	6.60E-07	2.14E-03	3.37E-07	1.32E-07
4844	483363.09, 3861877.25	1.31E-03	2.06E-07	8.08E-08	1.41E-03	2.22E-07	6.83E-07	2.21E-03	3.48E-07	1.37E-07
4845	483863.09, 3861877.25	1.34E-03	2.11E-07	8.29E-08	1.44E-03	2.27E-07	7.00E-07	2.26E-03	3.57E-07	1.40E-07
4846	484363.09, 3861877.25	1.36E-03	2.14E-07	8.42E-08	1.47E-03	2.31E-07	7.11E-07	2.30E-03	3.62E-07	1.42E-07
4847	484863.09, 3861877.25	1.39E-03	2.18E-07	8.57E-08	1.49E-03	2.35E-07	7.24E-07	2.34E-03	3.68E-07	1.45E-07
4848	485363.09, 3861877.25	1.38E-03	2.18E-07	8.57E-08	1.49E-03	2.35E-07	7.24E-07	2.34E-03	3.68E-07	1.45E-07
4849	485863.09, 3861877.25	1.37E-03	2.15E-07	8.46E-08	1.47E-03	2.32E-07	7.14E-07	2.30E-03	3.63E-07	1.42E-07
4850	486363.09, 3861877.25	1.36E-03	2.14E-07	8.39E-08	1.46E-03	2.30E-07	7.08E-07	2.28E-03	3.59E-07	1.41E-07
4851	486863.09, 3861877.25	1.34E-03	2.11E-07	8.29E-08	1.44E-03	2.27E-07	7.00E-07	2.25E-03	3.55E-07	1.39E-07
4852	487363.09, 3861877.25	1.33E-03	2.10E-07	8.24E-08	1.43E-03	2.26E-07	6.96E-07	2.24E-03	3.53E-07	1.39E-07
4853	487863.09, 3861877.25	1.33E-03	2.09E-07	8.22E-08	1.43E-03	2.25E-07	6.94E-07	2.24E-03	3.53E-07	1.39E-07
4854	488363.09, 3861877.25	1.33E-03	2.09E-07	8.22E-08	1.43E-03	2.26E-07	6.95E-07	2.24E-03	3.54E-07	1.39E-07
4855	488863.09, 3861877.25	1.34E-03	2.11E-07	8.31E-08	1.45E-03	2.28E-07	7.02E-07	2.27E-03	3.58E-07	1.41E-07
4856	489363.09, 3861877.25	1.35E-03	2.13E-07	8.36E-08	1.46E-03	2.29E-07	7.07E-07	2.29E-03	3.61E-07	1.42E-07
4857	489863.09, 3861877.25	1.37E-03	2.16E-07	8.49E-08	1.48E-03	2.33E-07	7.18E-07	2.33E-03	3.67E-07	1.44E-07
4858	490363.09, 3861877.25	1.38E-03	2.17E-07	8.53E-08	1.49E-03	2.34E-07	7.21E-07	2.35E-03	3.69E-07	1.45E-07
4859	490863.09, 3861877.25	1.40E-03	2.21E-07	8.69E-08	1.51E-03	2.39E-07	7.35E-07	2.39E-03	3.77E-07	1.48E-07
4860	491363.09, 3861877.25	1.43E-03	2.25E-07	8.84E-08	1.54E-03	2.43E-07	7.48E-07	2.44E-03	3.84E-07	1.51E-07

4861	491863.09, 3861877.25	1.40E-03	2.20E-07	8.66E-08	1.51E-03	2.38E-07	7.32E-07	2.39E-03	3.77E-07	1.48E-07
4862	492363.09, 3861877.25	1.32E-03	2.08E-07	8.18E-08	1.43E-03	2.25E-07	6.92E-07	2.26E-03	3.56E-07	1.40E-07
4863	492863.09, 3861877.25	1.28E-03	2.02E-07	7.93E-08	1.38E-03	2.18E-07	6.71E-07	2.19E-03	3.45E-07	1.36E-07
4864	493363.09, 3861877.25	1.28E-03	2.01E-07	7.90E-08	1.38E-03	2.17E-07	6.69E-07	2.18E-03	3.44E-07	1.35E-07
4865	493863.09, 3861877.25	1.30E-03	2.04E-07	8.03E-08	1.40E-03	2.21E-07	6.80E-07	2.22E-03	3.50E-07	1.38E-07
4866	494363.09, 3861877.25	1.33E-03	2.10E-07	8.25E-08	1.44E-03	2.27E-07	6.98E-07	2.29E-03	3.60E-07	1.41E-07
4867	494863.09, 3861877.25	1.37E-03	2.16E-07	8.48E-08	1.48E-03	2.33E-07	7.18E-07	2.35E-03	3.71E-07	1.46E-07
4868	495363.09, 3861877.25	1.38E-03	2.18E-07	8.56E-08	1.49E-03	2.35E-07	7.25E-07	2.38E-03	3.75E-07	1.47E-07
4869	495863.09, 3861877.25	1.38E-03	2.17E-07	8.52E-08	1.49E-03	2.34E-07	7.21E-07	2.37E-03	3.73E-07	1.47E-07
4870	496363.09, 3861877.25	1.36E-03	2.15E-07	8.43E-08	1.47E-03	2.32E-07	7.14E-07	2.35E-03	3.70E-07	1.45E-07
4871	496863.09, 3861877.25	1.40E-03	2.21E-07	8.68E-08	1.52E-03	2.39E-07	7.35E-07	2.42E-03	3.81E-07	1.50E-07
4872	497363.09, 3861877.25	1.34E-03	2.11E-07	8.28E-08	1.44E-03	2.28E-07	7.01E-07	2.31E-03	3.63E-07	1.43E-07
4873	497863.09, 3861877.25	1.30E-03	2.04E-07	8.02E-08	1.40E-03	2.20E-07	6.79E-07	2.23E-03	3.52E-07	1.38E-07
4874	498363.09, 3861877.25	1.26E-03	1.99E-07	7.83E-08	1.37E-03	2.15E-07	6.63E-07	2.18E-03	3.44E-07	1.35E-07
4875	471363.09, 3862377.25	4.16E-04	6.55E-08	2.57E-08	4.49E-04	7.07E-08	2.18E-07	7.10E-04	1.12E-07	4.40E-08
4876	471863.09, 3862377.25	4.32E-04	6.81E-08	2.67E-08	4.66E-04	7.34E-08	2.26E-07	7.38E-04	1.16E-07	4.57E-08
4877	472363.09, 3862377.25	4.51E-04	7.10E-08	2.79E-08	4.86E-04	7.66E-08	2.36E-07	7.70E-04	1.21E-07	4.76E-08
4878	472863.09, 3862377.25	4.70E-04	7.40E-08	2.91E-08	5.07E-04	7.98E-08	2.46E-07	8.02E-04	1.26E-07	4.96E-08
4879	473363.09, 3862377.25	4.89E-04	7.71E-08	3.03E-08	5.28E-04	8.31E-08	2.56E-07	8.35E-04	1.32E-07	5.17E-08
4880	473863.09, 3862377.25	5.09E-04	8.02E-08	3.15E-08	5.49E-04	8.65E-08	2.66E-07	8.68E-04	1.37E-07	5.37E-08
4881	474363.09, 3862377.25	5.28E-04	8.32E-08	3.27E-08	5.70E-04	8.98E-08	2.76E-07	9.00E-04	1.42E-07	5.57E-08
4882	474863.09, 3862377.25	5.46E-04	8.60E-08	3.38E-08	5.89E-04	9.28E-08	2.86E-07	9.31E-04	1.47E-07	5.76E-08
4883	475363.09, 3862377.25	5.71E-04	9.00E-08	3.54E-08	6.16E-04	9.71E-08	2.99E-07	9.74E-04	1.53E-07	6.03E-08
4884	475863.09, 3862377.25	5.97E-04	9.41E-08	3.70E-08	6.44E-04	1.02E-07	3.13E-07	1.02E-03	1.60E-07	6.30E-08
4885	476363.09, 3862377.25	6.23E-04	9.82E-08	3.86E-08	6.72E-04	1.06E-07	3.26E-07	1.06E-03	1.67E-07	6.58E-08
4886	476863.09, 3862377.25	6.48E-04	1.02E-07	4.01E-08	6.99E-04	1.10E-07	3.39E-07	1.11E-03	1.74E-07	6.84E-08
4887	477363.09, 3862377.25	6.65E-04	1.05E-07	4.12E-08	7.17E-04	1.13E-07	3.48E-07	1.13E-03	1.79E-07	7.02E-08
4888	477863.09, 3862377.25	5.96E-04	9.39E-08	3.69E-08	6.43E-04	1.01E-07	3.12E-07	1.02E-03	1.61E-07	6.31E-08
4889	478363.09, 3862377.25	4.83E-04	7.60E-08	2.99E-08	5.21E-04	8.20E-08	2.53E-07	8.25E-04	1.30E-07	5.11E-08
4890	478863.09, 3862377.25	5.19E-04	8.17E-08	3.21E-08	5.60E-04	8.82E-08	2.72E-07	8.87E-04	1.40E-07	5.49E-08
4891	479363.09, 3862377.25	6.28E-04	9.90E-08	3.89E-08	6.78E-04	1.07E-07	3.29E-07	1.08E-03	1.69E-07	6.66E-08
4892	479863.09, 3862377.25	8.40E-04	1.32E-07	5.20E-08	9.06E-04	1.43E-07	4.40E-07	1.43E-03	2.25E-07	8.85E-08
4893	480363.09, 3862377.25	9.05E-04	1.43E-07	5.60E-08	9.75E-04	1.54E-07	4.73E-07	1.54E-03	2.42E-07	9.50E-08
4894	480863.09, 3862377.25	9.46E-04	1.49E-07	5.85E-08	1.02E-03	1.61E-07	4.95E-07	1.60E-03	2.53E-07	9.92E-08
4895	481363.09, 3862377.25	9.89E-04	1.56E-07	6.12E-08	1.07E-03	1.68E-07	5.17E-07	1.68E-03	2.64E-07	1.04E-07
4896	481863.09, 3862377.25	1.03E-03	1.63E-07	6.39E-08	1.11E-03	1.75E-07	5.40E-07	1.75E-03	2.75E-07	1.08E-07
4897	482363.09, 3862377.25	1.08E-03	1.70E-07	6.67E-08	1.16E-03	1.83E-07	5.64E-07	1.82E-03	2.87E-07	1.13E-07
4898	482863.09, 3862377.25	1.12E-03	1.76E-07	6.92E-08	1.21E-03	1.90E-07	5.85E-07	1.89E-03	2.98E-07	1.17E-07
4899	483363.09, 3862377.25	1.15E-03	1.81E-07	7.13E-08	1.24E-03	1.96E-07	6.02E-07	1.95E-03	3.07E-07	1.21E-07
4900	483863.09, 3862377.25	1.17E-03	1.84E-07	7.23E-08	1.26E-03	1.98E-07	6.10E-07	1.97E-03	3.11E-07	1.22E-07
4901	484363.09, 3862377.25	1.19E-03	1.87E-07	7.35E-08	1.28E-03	2.01E-07	6.20E-07	2.00E-03	3.16E-07	1.24E-07
4902	484863.09, 3862377.25	1.18E-03	1.87E-07	7.33E-08	1.28E-03	2.01E-07	6.19E-07	2.00E-03	3.15E-07	1.24E-07
4903	485363.09, 3862377.25	1.18E-03	1.86E-07	7.30E-08	1.27E-03	2.00E-07	6.16E-07	1.99E-03	3.13E-07	1.23E-07
4904	485863.09, 3862377.25	1.18E-03	1.85E-07	7.28E-08	1.27E-03	2.00E-07	6.15E-07	1.98E-03	3.12E-07	1.23E-07
4905	486363.09, 3862377.25	1.16E-03	1.83E-07	7.17E-08	1.25E-03	1.97E-07	6.06E-07	1.95E-03	3.07E-07	1.21E-07
4906	486863.09, 3862377.25	1.15E-03	1.80E-07	7.09E-08	1.23E-03	1.94E-07	5.98E-07	1.92E-03	3.03E-07	1.19E-07
4907	487363.09, 3862377.25	1.13E-03	1.78E-07	7.01E-08	1.22E-03	1.92E-07	5.92E-07	1.90E-03	3.00E-07	1.18E-07
4908	487863.09, 3862377.25	1.13E-03	1.79E-07	7.02E-08	1.22E-03	1.92E-07	5.92E-07	1.91E-03	3.01E-07	1.18E-07
4909	488363.09, 3862377.25	1.14E-03	1.79E-07	7.03E-08	1.22E-03	1.93E-07	5.93E-07	1.92E-03	3.02E-07	1.19E-07
4910	488863.09, 3862377.25	1.15E-03	1.80E-07	7.09E-08	1.23E-03	1.94E-07	5.99E-07	1.94E-03	3.05E-07	1.20E-07
4911	489363.09, 3862377.25	1.16E-03	1.82E-07	7.15E-08	1.25E-03	1.96E-07	6.04E-07	1.96E-03	3.08E-07	1.21E-07
4912	489863.09, 3862377.25	1.17E-03	1.84E-07	7.24E-08	1.26E-03	1.99E-07	6.12E-07	1.99E-03	3.13E-07	1.23E-07
4913	490363.09, 3862377.25	1.18E-03	1.87E-07	7.33E-08	1.28E-03	2.01E-07	6.20E-07	2.01E-03	3.17E-07	1.25E-07
4914	490863.09, 3862377.25	1.19E-03	1.88E-07	7.37E-08	1.28E-03	2.02E-07	6.23E-07	2.03E-03	3.19E-07	1.25E-07
4915	491363.09, 3862377.25	1.21E-03	1.91E-07	7.49E-08	1.31E-03	2.06E-07	6.34E-07	2.06E-03	3.25E-07	1.28E-07
4916	491863.09, 3862377.25	1.22E-03	1.93E-07	7.57E-08	1.32E-03	2.08E-07	6.40E-07	2.09E-03	3.29E-07	1.29E-07
4917	492363.09, 3862377.25	1.20E-03	1.89E-07	7.44E-08	1.30E-03	2.04E-07	6.29E-07	2.06E-03	3.24E-07	1.27E-07
4918	492863.09, 3862377.25	1.15E-03	1.81E-07	7.10E-08	1.24E-03	1.95E-07	6.01E-07	1.96E-03	3.09E-07	1.21E-07
4919	493363.09, 3862377.25	1.11E-03	1.74E-07	6.84E-08	1.19E-03	1.88E-07	5.79E-07	1.89E-03	2.98E-07	1.17E-07
4920	493863.09, 3862377.25	1.09E-03	1.72E-07	6.75E-08	1.18E-03	1.85E-07	5.71E-07	1.87E-03	2.94E-07	1.16E-07
4921	494363.09, 3862377.25	1.09E-03	1.72E-07	6.78E-08	1.18E-03	1.86E-07	5.73E-07	1.88E-03	2.95E-07	1.16E-07
4922	494863.09, 3862377.25	1.12E-03	1.76E-07	6.93E-08	1.21E-03	1.90E-07	5.86E-07	1.92E-03	3.02E-07	1.19E-07
4923	495363.09, 3862377.25	1.14E-03	1.80E-07	7.07E-08	1.23E-03	1.94E-07	5.99E-07	1.96E-03	3.09E-07	1.21E-07
4924	495863.09, 3862377.25	1.16E-03	1.83E-07	7.21E-08	1.26E-03	1.98E-07	6.10E-07	2.00E-03	3.15E-07	1.24E-07

4925	496363.09, 3862377.25	1.17E-03	1.85E-07	7.25E-08	1.27E-03	1.99E-07	6.14E-07	2.02E-03	3.18E-07	1.25E-07
4926	496863.09, 3862377.25	1.18E-03	1.86E-07	7.29E-08	1.27E-03	2.00E-07	6.17E-07	2.03E-03	3.20E-07	1.26E-07
4927	497363.09, 3862377.25	1.16E-03	1.82E-07	7.15E-08	1.25E-03	1.97E-07	6.05E-07	1.99E-03	3.14E-07	1.23E-07
4928	497863.09, 3862377.25	1.13E-03	1.78E-07	7.01E-08	1.22E-03	1.93E-07	5.93E-07	1.95E-03	3.08E-07	1.21E-07
4929	498363.09, 3862377.25	1.10E-03	1.74E-07	6.83E-08	1.19E-03	1.88E-07	5.78E-07	1.90E-03	3.00E-07	1.18E-07
4930	471363.09, 3862877.25	4.03E-04	6.36E-08	2.50E-08	4.35E-04	6.86E-08	2.11E-07	6.89E-04	1.09E-07	4.26E-08
4931	471863.09, 3862877.25	4.19E-04	6.60E-08	2.59E-08	4.52E-04	7.12E-08	2.19E-07	7.15E-04	1.13E-07	4.42E-08
4932	472363.09, 3862877.25	4.35E-04	6.85E-08	2.69E-08	4.69E-04	7.38E-08	2.27E-07	7.41E-04	1.17E-07	4.59E-08
4933	472863.09, 3862877.25	4.51E-04	7.10E-08	2.79E-08	4.86E-04	7.66E-08	2.36E-07	7.69E-04	1.21E-07	4.76E-08
4934	473363.09, 3862877.25	4.69E-04	7.38E-08	2.90E-08	5.05E-04	7.96E-08	2.45E-07	7.99E-04	1.26E-07	4.95E-08
4935	473863.09, 3862877.25	4.85E-04	7.64E-08	3.00E-08	5.23E-04	8.24E-08	2.54E-07	8.27E-04	1.30E-07	5.12E-08
4936	474363.09, 3862877.25	5.00E-04	7.88E-08	3.10E-08	5.40E-04	8.50E-08	2.62E-07	8.53E-04	1.34E-07	5.28E-08
4937	474863.09, 3862877.25	5.18E-04	8.16E-08	3.21E-08	5.59E-04	8.80E-08	2.71E-07	8.83E-04	1.39E-07	5.46E-08
4938	475363.09, 3862877.25	5.41E-04	8.52E-08	3.35E-08	5.84E-04	9.20E-08	2.83E-07	9.22E-04	1.45E-07	5.71E-08
4939	475863.09, 3862877.25	5.63E-04	8.88E-08	3.49E-08	6.08E-04	9.57E-08	2.95E-07	9.60E-04	1.51E-07	5.94E-08
4940	476363.09, 3862877.25	5.86E-04	9.24E-08	3.63E-08	6.33E-04	9.97E-08	3.07E-07	9.99E-04	1.57E-07	6.18E-08
4941	476863.09, 3862877.25	6.07E-04	9.56E-08	3.76E-08	6.55E-04	1.03E-07	3.18E-07	1.03E-03	1.63E-07	6.39E-08
4942	477363.09, 3862877.25	6.29E-04	9.90E-08	3.89E-08	6.78E-04	1.07E-07	3.29E-07	1.07E-03	1.69E-07	6.62E-08
4943	477863.09, 3862877.25	6.27E-04	9.88E-08	3.88E-08	6.76E-04	1.07E-07	3.28E-07	1.07E-03	1.69E-07	6.62E-08
4944	478363.09, 3862877.25	5.53E-04	8.71E-08	3.42E-08	5.97E-04	9.40E-08	2.89E-07	9.46E-04	1.49E-07	5.85E-08
4945	478863.09, 3862877.25	5.83E-04	9.18E-08	3.61E-08	6.29E-04	9.91E-08	3.05E-07	9.97E-04	1.57E-07	6.17E-08
4946	479363.09, 3862877.25	6.25E-04	9.85E-08	3.87E-08	6.75E-04	1.06E-07	3.27E-07	1.07E-03	1.68E-07	6.61E-08
4947	479863.09, 3862877.25	7.88E-04	1.24E-07	4.88E-08	8.50E-04	1.34E-07	4.12E-07	1.34E-03	2.11E-07	8.28E-08
4948	480363.09, 3862877.25	8.22E-04	1.30E-07	5.09E-08	8.86E-04	1.40E-07	4.30E-07	1.39E-03	2.19E-07	8.62E-08
4949	480863.09, 3862877.25	8.60E-04	1.35E-07	5.32E-08	9.27E-04	1.46E-07	4.50E-07	1.46E-03	2.29E-07	9.01E-08
4950	481363.09, 3862877.25	8.95E-04	1.41E-07	5.54E-08	9.64E-04	1.52E-07	4.68E-07	1.51E-03	2.39E-07	9.38E-08
4951	481863.09, 3862877.25	9.36E-04	1.47E-07	5.79E-08	1.01E-03	1.59E-07	4.90E-07	1.59E-03	2.50E-07	9.81E-08
4952	482363.09, 3862877.25	9.65E-04	1.52E-07	5.97E-08	1.04E-03	1.64E-07	5.05E-07	1.63E-03	2.57E-07	1.01E-07
4953	482863.09, 3862877.25	9.97E-04	1.57E-07	6.17E-08	1.07E-03	1.69E-07	5.21E-07	1.69E-03	2.66E-07	1.04E-07
4954	483363.09, 3862877.25	1.02E-03	1.61E-07	6.32E-08	1.10E-03	1.73E-07	5.34E-07	1.72E-03	2.72E-07	1.07E-07
4955	483863.09, 3862877.25	1.03E-03	1.62E-07	6.38E-08	1.11E-03	1.75E-07	5.39E-07	1.74E-03	2.74E-07	1.08E-07
4956	484363.09, 3862877.25	1.04E-03	1.63E-07	6.42E-08	1.12E-03	1.76E-07	5.42E-07	1.75E-03	2.75E-07	1.08E-07
4957	484863.09, 3862877.25	1.03E-03	1.62E-07	6.36E-08	1.11E-03	1.74E-07	5.37E-07	1.73E-03	2.73E-07	1.07E-07
4958	485363.09, 3862877.25	1.03E-03	1.62E-07	6.35E-08	1.10E-03	1.74E-07	5.36E-07	1.73E-03	2.72E-07	1.07E-07
4959	485863.09, 3862877.25	1.02E-03	1.60E-07	6.29E-08	1.09E-03	1.72E-07	5.31E-07	1.71E-03	2.69E-07	1.06E-07
4960	486363.09, 3862877.25	1.01E-03	1.60E-07	6.27E-08	1.09E-03	1.72E-07	5.29E-07	1.70E-03	2.68E-07	1.05E-07
4961	486863.09, 3862877.25	9.94E-04	1.57E-07	6.15E-08	1.07E-03	1.69E-07	5.19E-07	1.67E-03	2.63E-07	1.03E-07
4962	487363.09, 3862877.25	9.83E-04	1.55E-07	6.08E-08	1.06E-03	1.67E-07	5.13E-07	1.65E-03	2.60E-07	1.02E-07
4963	487863.09, 3862877.25	9.81E-04	1.55E-07	6.07E-08	1.06E-03	1.66E-07	5.13E-07	1.65E-03	2.60E-07	1.02E-07
4964	488363.09, 3862877.25	9.86E-04	1.55E-07	6.10E-08	1.06E-03	1.67E-07	5.15E-07	1.66E-03	2.62E-07	1.03E-07
4965	488863.09, 3862877.25	9.92E-04	1.56E-07	6.14E-08	1.07E-03	1.68E-07	5.19E-07	1.68E-03	2.64E-07	1.04E-07
4966	489363.09, 3862877.25	9.97E-04	1.57E-07	6.17E-08	1.07E-03	1.69E-07	5.21E-07	1.69E-03	2.66E-07	1.04E-07
4967	489863.09, 3862877.25	1.01E-03	1.59E-07	6.24E-08	1.09E-03	1.71E-07	5.27E-07	1.71E-03	2.69E-07	1.06E-07
4968	490363.09, 3862877.25	1.02E-03	1.61E-07	6.32E-08	1.10E-03	1.73E-07	5.34E-07	1.73E-03	2.73E-07	1.07E-07
4969	490863.09, 3862877.25	1.03E-03	1.62E-07	6.36E-08	1.11E-03	1.75E-07	5.38E-07	1.75E-03	2.75E-07	1.08E-07
4970	491363.09, 3862877.25	1.04E-03	1.64E-07	6.45E-08	1.12E-03	1.77E-07	5.45E-07	1.78E-03	2.80E-07	1.10E-07
4971	491863.09, 3862877.25	1.05E-03	1.65E-07	6.49E-08	1.13E-03	1.78E-07	5.49E-07	1.79E-03	2.82E-07	1.11E-07
4972	492363.09, 3862877.25	1.07E-03	1.68E-07	6.60E-08	1.15E-03	1.81E-07	5.59E-07	1.82E-03	2.87E-07	1.13E-07
4973	492863.09, 3862877.25	1.05E-03	1.66E-07	6.51E-08	1.13E-03	1.79E-07	5.51E-07	1.80E-03	2.84E-07	1.11E-07
4974	493363.09, 3862877.25	1.01E-03	1.59E-07	6.25E-08	1.09E-03	1.72E-07	5.29E-07	1.73E-03	2.72E-07	1.07E-07
4975	493863.09, 3862877.25	9.73E-04	1.53E-07	6.02E-08	1.05E-03	1.65E-07	5.10E-07	1.67E-03	2.62E-07	1.03E-07
4976	494363.09, 3862877.25	9.54E-04	1.50E-07	5.90E-08	1.03E-03	1.62E-07	5.00E-07	1.63E-03	2.57E-07	1.01E-07
4977	494863.09, 3862877.25	9.44E-04	1.49E-07	5.84E-08	1.02E-03	1.60E-07	4.94E-07	1.62E-03	2.55E-07	1.00E-07
4978	495363.09, 3862877.25	9.52E-04	1.50E-07	5.89E-08	1.03E-03	1.62E-07	4.98E-07	1.63E-03	2.57E-07	1.01E-07
4979	495863.09, 3862877.25	9.73E-04	1.53E-07	6.02E-08	1.05E-03	1.66E-07	5.10E-07	1.67E-03	2.63E-07	1.03E-07
4980	496363.09, 3862877.25	9.98E-04	1.57E-07	6.18E-08	1.08E-03	1.70E-07	5.23E-07	1.72E-03	2.70E-07	1.06E-07
4981	496863.09, 3862877.25	1.02E-03	1.60E-07	6.28E-08	1.10E-03	1.73E-07	5.32E-07	1.75E-03	2.75E-07	1.08E-07
4982	497363.09, 3862877.25	1.02E-03	1.60E-07	6.29E-08	1.10E-03	1.73E-07	5.33E-07	1.75E-03	2.76E-07	1.08E-07
4983	497863.09, 3862877.25	1.01E-03	1.59E-07	6.25E-08	1.09E-03	1.72E-07	5.29E-07	1.74E-03	2.74E-07	1.08E-07
4984	498363.09, 3862877.25	9.99E-04	1.57E-07	6.18E-08	1.08E-03	1.70E-07	5.24E-07	1.72E-03	2.72E-07	1.07E-07
4985	471363.09, 3863377.25	3.89E-04	6.13E-08	2.41E-08	4.20E-04	6.62E-08	2.04E-07	6.65E-04	1.05E-07	4.11E-08
4986	471863.09, 3863377.25	4.03E-04	6.34E-08	2.49E-08	4.34E-04	6.84E-08	2.11E-07	6.87E-04	1.08E-07	4.25E-08
4987	472363.09, 3863377.25	4.16E-04	6.56E-08	2.58E-08	4.49E-04	7.08E-08	2.18E-07	7.10E-04	1.12E-07	4.40E-08
4988	472863.09, 3863377.25	4.30E-04	6.78E-08	2.66E-08	4.64E-04	7.31E-08	2.25E-07	7.33E-04	1.16E-07	4.54E-08

4989	473363.09, 3863377.25	4.44E-04	7.00E-08	2.75E-08	4.79E-04	7.55E-08	2.33E-07	7.57E-04	1.19E-07	4.69E-08
4990	473863.09, 3863377.25	4.59E-04	7.23E-08	2.84E-08	4.95E-04	7.79E-08	2.40E-07	7.81E-04	1.23E-07	4.84E-08
4991	474363.09, 3863377.25	4.74E-04	7.46E-08	2.93E-08	5.11E-04	8.05E-08	2.48E-07	8.07E-04	1.27E-07	4.99E-08
4992	474863.09, 3863377.25	4.91E-04	7.73E-08	3.04E-08	5.29E-04	8.33E-08	2.57E-07	8.35E-04	1.32E-07	5.17E-08
4993	475363.09, 3863377.25	5.09E-04	8.01E-08	3.15E-08	5.49E-04	8.64E-08	2.66E-07	8.66E-04	1.36E-07	5.36E-08
4994	475863.09, 3863377.25	5.28E-04	8.32E-08	3.27E-08	5.70E-04	8.97E-08	2.76E-07	8.99E-04	1.42E-07	5.57E-08
4995	476363.09, 3863377.25	5.48E-04	8.64E-08	3.39E-08	5.91E-04	9.31E-08	2.87E-07	9.32E-04	1.47E-07	5.77E-08
4996	476863.09, 3863377.25	5.69E-04	8.97E-08	3.52E-08	6.14E-04	9.67E-08	2.98E-07	9.68E-04	1.52E-07	5.99E-08
4997	477363.09, 3863377.25	5.91E-04	9.31E-08	3.66E-08	6.37E-04	1.00E-07	3.09E-07	1.00E-03	1.58E-07	6.22E-08
4998	477863.09, 3863377.25	6.06E-04	9.54E-08	3.75E-08	6.53E-04	1.03E-07	3.17E-07	1.03E-03	1.62E-07	6.38E-08
4999	478363.09, 3863377.25	6.02E-04	9.49E-08	3.73E-08	6.50E-04	1.02E-07	3.15E-07	1.03E-03	1.62E-07	6.35E-08
5000	478863.09, 3863377.25	6.39E-04	1.01E-07	3.96E-08	6.90E-04	1.09E-07	3.35E-07	1.09E-03	1.71E-07	6.73E-08
5001	479363.09, 3863377.25	6.89E-04	1.09E-07	4.26E-08	7.43E-04	1.17E-07	3.60E-07	1.17E-03	1.84E-07	7.23E-08
5002	479863.09, 3863377.25	7.24E-04	1.14E-07	4.48E-08	7.80E-04	1.23E-07	3.78E-07	1.23E-03	1.93E-07	7.58E-08
5003	480363.09, 3863377.25	7.52E-04	1.18E-07	4.65E-08	8.11E-04	1.28E-07	3.93E-07	1.27E-03	2.01E-07	7.88E-08
5004	480863.09, 3863377.25	7.85E-04	1.24E-07	4.86E-08	8.46E-04	1.33E-07	4.10E-07	1.33E-03	2.09E-07	8.23E-08
5005	481363.09, 3863377.25	8.12E-04	1.28E-07	5.03E-08	8.75E-04	1.38E-07	4.25E-07	1.38E-03	2.17E-07	8.51E-08
5006	481863.09, 3863377.25	8.42E-04	1.33E-07	5.21E-08	9.07E-04	1.43E-07	4.40E-07	1.42E-03	2.24E-07	8.81E-08
5007	482363.09, 3863377.25	8.69E-04	1.37E-07	5.38E-08	9.36E-04	1.48E-07	4.54E-07	1.47E-03	2.32E-07	9.10E-08
5008	482863.09, 3863377.25	8.91E-04	1.40E-07	5.52E-08	9.60E-04	1.51E-07	4.66E-07	1.51E-03	2.37E-07	9.32E-08
5009	483363.09, 3863377.25	9.07E-04	1.43E-07	5.61E-08	9.78E-04	1.54E-07	4.74E-07	1.53E-03	2.41E-07	9.49E-08
5010	483863.09, 3863377.25	9.12E-04	1.44E-07	5.64E-08	9.83E-04	1.55E-07	4.77E-07	1.54E-03	2.42E-07	9.52E-08
5011	484363.09, 3863377.25	9.08E-04	1.43E-07	5.62E-08	9.79E-04	1.54E-07	4.75E-07	1.53E-03	2.41E-07	9.47E-08
5012	484863.09, 3863377.25	9.06E-04	1.43E-07	5.61E-08	9.76E-04	1.54E-07	4.73E-07	1.52E-03	2.40E-07	9.44E-08
5013	485363.09, 3863377.25	8.97E-04	1.41E-07	5.55E-08	9.66E-04	1.52E-07	4.69E-07	1.51E-03	2.38E-07	9.33E-08
5014	485863.09, 3863377.25	8.91E-04	1.40E-07	5.52E-08	9.60E-04	1.51E-07	4.66E-07	1.50E-03	2.36E-07	9.27E-08
5015	486363.09, 3863377.25	8.87E-04	1.40E-07	5.49E-08	9.56E-04	1.51E-07	4.64E-07	1.49E-03	2.35E-07	9.23E-08
5016	486863.09, 3863377.25	8.77E-04	1.38E-07	5.43E-08	9.44E-04	1.49E-07	4.58E-07	1.47E-03	2.32E-07	9.12E-08
5017	487363.09, 3863377.25	8.66E-04	1.36E-07	5.36E-08	9.32E-04	1.47E-07	4.52E-07	1.45E-03	2.29E-07	9.00E-08
5018	487863.09, 3863377.25	8.61E-04	1.36E-07	5.33E-08	9.27E-04	1.46E-07	4.50E-07	1.45E-03	2.28E-07	8.96E-08
5019	488363.09, 3863377.25	8.63E-04	1.36E-07	5.34E-08	9.30E-04	1.46E-07	4.51E-07	1.46E-03	2.29E-07	9.01E-08
5020	488863.09, 3863377.25	8.70E-04	1.37E-07	5.39E-08	9.38E-04	1.48E-07	4.55E-07	1.47E-03	2.32E-07	9.11E-08
5021	489363.09, 3863377.25	8.72E-04	1.37E-07	5.39E-08	9.39E-04	1.48E-07	4.56E-07	1.48E-03	2.33E-07	9.14E-08
5022	489863.09, 3863377.25	8.76E-04	1.38E-07	5.42E-08	9.45E-04	1.49E-07	4.58E-07	1.49E-03	2.34E-07	9.19E-08
5023	490363.09, 3863377.25	8.88E-04	1.40E-07	5.50E-08	9.57E-04	1.51E-07	4.65E-07	1.51E-03	2.38E-07	9.33E-08
5024	490863.09, 3863377.25	9.02E-04	1.42E-07	5.58E-08	9.72E-04	1.53E-07	4.72E-07	1.53E-03	2.42E-07	9.49E-08
5025	491363.09, 3863377.25	9.02E-04	1.42E-07	5.59E-08	9.73E-04	1.53E-07	4.72E-07	1.54E-03	2.42E-07	9.50E-08
5026	491863.09, 3863377.25	9.07E-04	1.43E-07	5.61E-08	9.78E-04	1.54E-07	4.75E-07	1.55E-03	2.43E-07	9.56E-08
5027	492363.09, 3863377.25	9.32E-04	1.47E-07	5.77E-08	1.01E-03	1.58E-07	4.88E-07	1.59E-03	2.51E-07	9.85E-08
5028	492863.09, 3863377.25	9.65E-04	1.52E-07	5.97E-08	1.04E-03	1.64E-07	5.05E-07	1.65E-03	2.60E-07	1.02E-07
5029	493363.09, 3863377.25	9.65E-04	1.52E-07	5.98E-08	1.04E-03	1.64E-07	5.06E-07	1.65E-03	2.61E-07	1.02E-07
5030	493863.09, 3863377.25	9.26E-04	1.46E-07	5.73E-08	9.99E-04	1.57E-07	4.85E-07	1.59E-03	2.50E-07	9.81E-08
5031	494363.09, 3863377.25	8.80E-04	1.39E-07	5.45E-08	9.50E-04	1.50E-07	4.61E-07	1.51E-03	2.37E-07	9.32E-08
5032	494863.09, 3863377.25	8.60E-04	1.36E-07	5.33E-08	9.29E-04	1.46E-07	4.51E-07	1.47E-03	2.32E-07	9.12E-08
5033	495363.09, 3863377.25	8.59E-04	1.35E-07	5.32E-08	9.27E-04	1.46E-07	4.50E-07	1.47E-03	2.32E-07	9.11E-08
5034	495863.09, 3863377.25	8.65E-04	1.36E-07	5.35E-08	9.34E-04	1.47E-07	4.53E-07	1.48E-03	2.34E-07	9.19E-08
5035	496363.09, 3863377.25	8.54E-04	1.35E-07	5.28E-08	9.22E-04	1.45E-07	4.47E-07	1.47E-03	2.31E-07	9.07E-08
5036	496863.09, 3863377.25	8.57E-04	1.35E-07	5.31E-08	9.26E-04	1.46E-07	4.49E-07	1.47E-03	2.32E-07	9.12E-08
5037	497363.09, 3863377.25	8.77E-04	1.38E-07	5.43E-08	9.47E-04	1.49E-07	4.60E-07	1.51E-03	2.38E-07	9.34E-08
5038	497863.09, 3863377.25	8.92E-04	1.41E-07	5.52E-08	9.64E-04	1.52E-07	4.68E-07	1.54E-03	2.42E-07	9.51E-08
5039	498363.09, 3863377.25	8.95E-04	1.41E-07	5.54E-08	9.67E-04	1.52E-07	4.69E-07	1.54E-03	2.43E-07	9.56E-08
5040	471363.09, 3863877.25	3.73E-04	5.88E-08	2.31E-08	4.02E-04	6.34E-08	1.95E-07	6.36E-04	1.00E-07	3.94E-08
5041	471863.09, 3863877.25	3.84E-04	6.05E-08	2.38E-08	4.14E-04	6.52E-08	2.01E-07	6.55E-04	1.03E-07	4.05E-08
5042	472363.09, 3863877.25	3.96E-04	6.24E-08	2.45E-08	4.27E-04	6.73E-08	2.07E-07	6.75E-04	1.06E-07	4.18E-08
5043	472863.09, 3863877.25	4.08E-04	6.42E-08	2.52E-08	4.40E-04	6.93E-08	2.13E-07	6.95E-04	1.09E-07	4.30E-08
5044	473363.09, 3863877.25	4.20E-04	6.61E-08	2.60E-08	4.53E-04	7.13E-08	2.20E-07	7.14E-04	1.13E-07	4.42E-08
5045	473863.09, 3863877.25	4.33E-04	6.81E-08	2.68E-08	4.66E-04	7.35E-08	2.26E-07	7.36E-04	1.16E-07	4.56E-08
5046	474363.09, 3863877.25	4.46E-04	7.03E-08	2.76E-08	4.81E-04	7.58E-08	2.33E-07	7.59E-04	1.20E-07	4.70E-08
5047	474863.09, 3863877.25	4.60E-04	7.25E-08	2.85E-08	4.96E-04	7.82E-08	2.41E-07	7.83E-04	1.23E-07	4.85E-08
5048	475363.09, 3863877.25	4.77E-04	7.51E-08	2.95E-08	5.14E-04	8.10E-08	2.50E-07	8.11E-04	1.28E-07	5.02E-08
5049	475863.09, 3863877.25	4.93E-04	7.76E-08	3.05E-08	5.31E-04	8.37E-08	2.58E-07	8.37E-04	1.32E-07	5.18E-08
5050	476363.09, 3863877.25	5.10E-04	8.04E-08	3.16E-08	5.50E-04	8.66E-08	2.67E-07	8.66E-04	1.36E-07	5.36E-08
5051	476863.09, 3863877.25	5.29E-04	8.33E-08	3.27E-08	5.70E-04	8.98E-08	2.76E-07	8.97E-04	1.41E-07	5.55E-08
5052	477363.09, 3863877.25	5.49E-04	8.65E-08	3.40E-08	5.92E-04	9.33E-08	2.87E-07	9.32E-04	1.47E-07	5.77E-08

5053	477863.09, 3863877.25	5.71E-04	8.99E-08	3.53E-08	6.15E-04	9.69E-08	2.99E-07	9.69E-04	1.53E-07	6.00E-08
5054	478363.09, 3863877.25	5.82E-04	9.16E-08	3.60E-08	6.27E-04	9.88E-08	3.04E-07	9.88E-04	1.56E-07	6.11E-08
5055	478863.09, 3863877.25	6.21E-04	9.78E-08	3.84E-08	6.70E-04	1.05E-07	3.25E-07	1.05E-03	1.66E-07	6.52E-08
5056	479363.09, 3863877.25	6.46E-04	1.02E-07	4.00E-08	6.96E-04	1.10E-07	3.38E-07	1.09E-03	1.72E-07	6.77E-08
5057	479863.09, 3863877.25	6.67E-04	1.05E-07	4.13E-08	7.19E-04	1.13E-07	3.49E-07	1.13E-03	1.78E-07	6.99E-08
5058	480363.09, 3863877.25	6.91E-04	1.09E-07	4.28E-08	7.45E-04	1.17E-07	3.62E-07	1.17E-03	1.84E-07	7.25E-08
5059	480863.09, 3863877.25	7.18E-04	1.13E-07	4.44E-08	7.74E-04	1.22E-07	3.76E-07	1.22E-03	1.92E-07	7.53E-08
5060	481363.09, 3863877.25	7.42E-04	1.17E-07	4.59E-08	7.99E-04	1.26E-07	3.88E-07	1.26E-03	1.98E-07	7.77E-08
5061	481863.09, 3863877.25	7.64E-04	1.20E-07	4.73E-08	8.23E-04	1.30E-07	3.99E-07	1.29E-03	2.04E-07	8.00E-08
5062	482363.09, 3863877.25	7.87E-04	1.24E-07	4.87E-08	8.48E-04	1.34E-07	4.11E-07	1.33E-03	2.10E-07	8.23E-08
5063	482863.09, 3863877.25	8.02E-04	1.26E-07	4.96E-08	8.64E-04	1.36E-07	4.19E-07	1.36E-03	2.14E-07	8.39E-08
5064	483363.09, 3863877.25	8.10E-04	1.28E-07	5.02E-08	8.73E-04	1.38E-07	4.24E-07	1.37E-03	2.16E-07	8.47E-08
5065	483863.09, 3863877.25	8.12E-04	1.28E-07	5.03E-08	8.75E-04	1.38E-07	4.24E-07	1.37E-03	2.16E-07	8.47E-08
5066	484363.09, 3863877.25	8.06E-04	1.27E-07	4.99E-08	8.68E-04	1.37E-07	4.21E-07	1.36E-03	2.14E-07	8.40E-08
5067	484863.09, 3863877.25	8.01E-04	1.26E-07	4.96E-08	8.62E-04	1.36E-07	4.18E-07	1.35E-03	2.12E-07	8.34E-08
5068	485363.09, 3863877.25	7.94E-04	1.25E-07	4.91E-08	8.55E-04	1.35E-07	4.15E-07	1.33E-03	2.10E-07	8.26E-08
5069	485863.09, 3863877.25	7.93E-04	1.25E-07	4.90E-08	8.53E-04	1.34E-07	4.14E-07	1.33E-03	2.10E-07	8.24E-08
5070	486363.09, 3863877.25	7.86E-04	1.24E-07	4.86E-08	8.46E-04	1.33E-07	4.11E-07	1.32E-03	2.08E-07	8.17E-08
5071	486863.09, 3863877.25	7.77E-04	1.22E-07	4.81E-08	8.36E-04	1.32E-07	4.06E-07	1.30E-03	2.05E-07	8.07E-08
5072	487363.09, 3863877.25	7.69E-04	1.21E-07	4.76E-08	8.27E-04	1.30E-07	4.01E-07	1.29E-03	2.03E-07	7.98E-08
5073	487863.09, 3863877.25	7.63E-04	1.20E-07	4.72E-08	8.22E-04	1.30E-07	3.99E-07	1.28E-03	2.02E-07	7.94E-08
5074	488363.09, 3863877.25	7.65E-04	1.21E-07	4.73E-08	8.24E-04	1.30E-07	4.00E-07	1.29E-03	2.03E-07	7.97E-08
5075	488863.09, 3863877.25	7.71E-04	1.21E-07	4.77E-08	8.30E-04	1.31E-07	4.03E-07	1.30E-03	2.05E-07	8.06E-08
5076	489363.09, 3863877.25	7.73E-04	1.22E-07	4.78E-08	8.33E-04	1.31E-07	4.04E-07	1.31E-03	2.06E-07	8.09E-08
5077	489863.09, 3863877.25	7.75E-04	1.22E-07	4.79E-08	8.35E-04	1.32E-07	4.05E-07	1.31E-03	2.07E-07	8.12E-08
5078	490363.09, 3863877.25	7.82E-04	1.23E-07	4.84E-08	8.43E-04	1.33E-07	4.09E-07	1.33E-03	2.09E-07	8.21E-08
5079	490863.09, 3863877.25	7.93E-04	1.25E-07	4.91E-08	8.55E-04	1.35E-07	4.15E-07	1.35E-03	2.12E-07	8.34E-08
5080	491363.09, 3863877.25	8.00E-04	1.26E-07	4.95E-08	8.63E-04	1.36E-07	4.19E-07	1.36E-03	2.14E-07	8.42E-08
5081	491863.09, 3863877.25	8.20E-04	1.29E-07	5.08E-08	8.85E-04	1.39E-07	4.29E-07	1.40E-03	2.20E-07	8.64E-08
5082	492363.09, 3863877.25	8.37E-04	1.32E-07	5.18E-08	9.03E-04	1.42E-07	4.38E-07	1.43E-03	2.25E-07	8.84E-08
5083	492863.09, 3863877.25	8.43E-04	1.33E-07	5.22E-08	9.09E-04	1.43E-07	4.41E-07	1.44E-03	2.27E-07	8.91E-08
5084	493363.09, 3863877.25	8.75E-04	1.38E-07	5.41E-08	9.44E-04	1.49E-07	4.58E-07	1.50E-03	2.36E-07	9.26E-08
5085	493863.09, 3863877.25	8.67E-04	1.37E-07	5.36E-08	9.35E-04	1.47E-07	4.54E-07	1.48E-03	2.34E-07	9.18E-08
5086	494363.09, 3863877.25	8.32E-04	1.31E-07	5.15E-08	8.98E-04	1.41E-07	4.36E-07	1.43E-03	2.25E-07	8.82E-08
5087	494863.09, 3863877.25	7.94E-04	1.25E-07	4.92E-08	8.57E-04	1.35E-07	4.16E-07	1.36E-03	2.14E-07	8.42E-08
5088	495363.09, 3863877.25	7.72E-04	1.22E-07	4.78E-08	8.33E-04	1.31E-07	4.04E-07	1.32E-03	2.08E-07	8.18E-08
5089	495863.09, 3863877.25	7.64E-04	1.20E-07	4.73E-08	8.25E-04	1.30E-07	4.00E-07	1.31E-03	2.06E-07	8.10E-08
5090	496363.09, 3863877.25	7.57E-04	1.19E-07	4.69E-08	8.17E-04	1.29E-07	3.97E-07	1.30E-03	2.05E-07	8.04E-08
5091	496863.09, 3863877.25	7.55E-04	1.19E-07	4.67E-08	8.15E-04	1.28E-07	3.95E-07	1.30E-03	2.04E-07	8.02E-08
5092	497363.09, 3863877.25	7.60E-04	1.20E-07	4.71E-08	8.21E-04	1.29E-07	3.98E-07	1.31E-03	2.06E-07	8.08E-08
5093	497863.09, 3863877.25	7.75E-04	1.22E-07	4.80E-08	8.37E-04	1.32E-07	4.06E-07	1.33E-03	2.10E-07	8.25E-08
5094	498363.09, 3863877.25	7.87E-04	1.24E-07	4.87E-08	8.50E-04	1.34E-07	4.12E-07	1.35E-03	2.13E-07	8.39E-08
5095	471363.09, 3864377.25	3.56E-04	5.60E-08	2.20E-08	3.84E-04	6.05E-08	1.86E-07	6.06E-04	9.55E-08	3.75E-08
5096	471863.09, 3864377.25	3.66E-04	5.76E-08	2.26E-08	3.94E-04	6.21E-08	1.91E-07	6.23E-04	9.82E-08	3.86E-08
5097	472363.09, 3864377.25	3.76E-04	5.92E-08	2.32E-08	4.05E-04	6.38E-08	1.97E-07	6.40E-04	1.01E-07	3.96E-08
5098	472863.09, 3864377.25	3.86E-04	6.08E-08	2.39E-08	4.16E-04	6.55E-08	2.02E-07	6.57E-04	1.03E-07	4.06E-08
5099	473363.09, 3864377.25	3.96E-04	6.24E-08	2.45E-08	4.27E-04	6.73E-08	2.07E-07	6.74E-04	1.06E-07	4.17E-08
5100	473863.09, 3864377.25	4.07E-04	6.41E-08	2.52E-08	4.39E-04	6.91E-08	2.13E-07	6.92E-04	1.09E-07	4.28E-08
5101	474363.09, 3864377.25	4.19E-04	6.61E-08	2.60E-08	4.52E-04	7.12E-08	2.19E-07	7.13E-04	1.12E-07	4.41E-08
5102	474863.09, 3864377.25	4.32E-04	6.80E-08	2.67E-08	4.65E-04	7.33E-08	2.26E-07	7.33E-04	1.15E-07	4.54E-08
5103	475363.09, 3864377.25	4.46E-04	7.02E-08	2.76E-08	4.80E-04	7.57E-08	2.33E-07	7.56E-04	1.19E-07	4.68E-08
5104	475863.09, 3864377.25	4.59E-04	7.23E-08	2.84E-08	4.95E-04	7.80E-08	2.40E-07	7.79E-04	1.23E-07	4.82E-08
5105	476363.09, 3864377.25	4.75E-04	7.48E-08	2.94E-08	5.12E-04	8.07E-08	2.48E-07	8.05E-04	1.27E-07	4.98E-08
5106	476863.09, 3864377.25	4.93E-04	7.77E-08	3.05E-08	5.31E-04	8.37E-08	2.58E-07	8.35E-04	1.32E-07	5.17E-08
5107	477363.09, 3864377.25	5.12E-04	8.07E-08	3.17E-08	5.52E-04	8.70E-08	2.68E-07	8.68E-04	1.37E-07	5.37E-08
5108	477863.09, 3864377.25	5.34E-04	8.41E-08	3.30E-08	5.75E-04	9.07E-08	2.79E-07	9.04E-04	1.42E-07	5.60E-08
5109	478363.09, 3864377.25	5.56E-04	8.76E-08	3.44E-08	6.00E-04	9.45E-08	2.91E-07	9.43E-04	1.48E-07	5.83E-08
5110	478863.09, 3864377.25	5.78E-04	9.10E-08	3.58E-08	6.23E-04	9.81E-08	3.02E-07	9.79E-04	1.54E-07	6.06E-08
5111	479363.09, 3864377.25	5.96E-04	9.39E-08	3.69E-08	6.42E-04	1.01E-07	3.12E-07	1.01E-03	1.59E-07	6.24E-08
5112	479863.09, 3864377.25	6.16E-04	9.71E-08	3.81E-08	6.64E-04	1.05E-07	3.22E-07	1.04E-03	1.64E-07	6.46E-08
5113	480363.09, 3864377.25	6.39E-04	1.01E-07	3.96E-08	6.89E-04	1.09E-07	3.34E-07	1.08E-03	1.71E-07	6.70E-08
5114	480863.09, 3864377.25	6.58E-04	1.04E-07	4.07E-08	7.10E-04	1.12E-07	3.44E-07	1.11E-03	1.76E-07	6.90E-08
5115	481363.09, 3864377.25	6.78E-04	1.07E-07	4.19E-08	7.30E-04	1.15E-07	3.54E-07	1.15E-03	1.81E-07	7.09E-08
5116	481863.09, 3864377.25	6.96E-04	1.10E-07	4.31E-08	7.50E-04	1.18E-07	3.64E-07	1.18E-03	1.85E-07	7.29E-08

5117	482363.09, 3864377.25	7.13E-04	1.12E-07	4.41E-08	7.68E-04	1.21E-07	3.73E-07	1.20E-03	1.90E-07	7.46E-08
5118	482863.09, 3864377.25	7.24E-04	1.14E-07	4.48E-08	7.80E-04	1.23E-07	3.78E-07	1.22E-03	1.93E-07	7.57E-08
5119	483363.09, 3864377.25	7.27E-04	1.15E-07	4.50E-08	7.83E-04	1.23E-07	3.80E-07	1.23E-03	1.93E-07	7.59E-08
5120	483863.09, 3864377.25	7.25E-04	1.14E-07	4.49E-08	7.81E-04	1.23E-07	3.79E-07	1.22E-03	1.92E-07	7.56E-08
5121	484363.09, 3864377.25	7.20E-04	1.13E-07	4.46E-08	7.76E-04	1.22E-07	3.76E-07	1.21E-03	1.91E-07	7.50E-08
5122	484863.09, 3864377.25	7.12E-04	1.12E-07	4.41E-08	7.67E-04	1.21E-07	3.72E-07	1.20E-03	1.89E-07	7.41E-08
5123	485363.09, 3864377.25	7.06E-04	1.11E-07	4.37E-08	7.61E-04	1.20E-07	3.69E-07	1.19E-03	1.87E-07	7.34E-08
5124	485863.09, 3864377.25	7.05E-04	1.11E-07	4.36E-08	7.59E-04	1.20E-07	3.68E-07	1.18E-03	1.86E-07	7.32E-08
5125	486363.09, 3864377.25	7.02E-04	1.11E-07	4.34E-08	7.56E-04	1.19E-07	3.67E-07	1.18E-03	1.86E-07	7.29E-08
5126	486863.09, 3864377.25	6.94E-04	1.09E-07	4.30E-08	7.48E-04	1.18E-07	3.63E-07	1.16E-03	1.84E-07	7.21E-08
5127	487363.09, 3864377.25	6.89E-04	1.09E-07	4.27E-08	7.42E-04	1.17E-07	3.60E-07	1.16E-03	1.82E-07	7.16E-08
5128	487863.09, 3864377.25	6.85E-04	1.08E-07	4.24E-08	7.38E-04	1.16E-07	3.58E-07	1.15E-03	1.81E-07	7.12E-08
5129	488363.09, 3864377.25	6.84E-04	1.08E-07	4.23E-08	7.36E-04	1.16E-07	3.57E-07	1.15E-03	1.81E-07	7.12E-08
5130	488863.09, 3864377.25	6.89E-04	1.09E-07	4.26E-08	7.42E-04	1.17E-07	3.60E-07	1.16E-03	1.83E-07	7.19E-08
5131	489363.09, 3864377.25	6.92E-04	1.09E-07	4.28E-08	7.45E-04	1.17E-07	3.62E-07	1.17E-03	1.84E-07	7.24E-08
5132	489863.09, 3864377.25	6.93E-04	1.09E-07	4.29E-08	7.47E-04	1.18E-07	3.62E-07	1.17E-03	1.85E-07	7.26E-08
5133	490363.09, 3864377.25	6.97E-04	1.10E-07	4.32E-08	7.52E-04	1.18E-07	3.65E-07	1.18E-03	1.86E-07	7.31E-08
5134	490863.09, 3864377.25	7.09E-04	1.12E-07	4.39E-08	7.65E-04	1.20E-07	3.71E-07	1.20E-03	1.90E-07	7.45E-08
5135	491363.09, 3864377.25	7.39E-04	1.16E-07	4.57E-08	7.97E-04	1.26E-07	3.87E-07	1.26E-03	1.98E-07	7.78E-08
5136	491863.09, 3864377.25	4.54E-04	7.15E-08	2.81E-08	4.90E-04	7.71E-08	2.38E-07	7.75E-04	1.22E-07	4.80E-08
5137	492363.09, 3864377.25	6.92E-04	1.09E-07	4.28E-08	7.47E-04	1.18E-07	3.62E-07	1.18E-03	1.86E-07	7.32E-08
5138	492863.09, 3864377.25	5.25E-04	8.27E-08	3.25E-08	5.67E-04	8.93E-08	2.75E-07	9.00E-04	1.42E-07	5.57E-08
5139	493363.09, 3864377.25	6.90E-04	1.09E-07	4.27E-08	7.44E-04	1.17E-07	3.61E-07	1.18E-03	1.86E-07	7.31E-08
5140	493863.09, 3864377.25	7.75E-04	1.22E-07	4.80E-08	8.37E-04	1.32E-07	4.06E-07	1.33E-03	2.09E-07	8.21E-08
5141	494363.09, 3864377.25	7.85E-04	1.24E-07	4.86E-08	8.47E-04	1.33E-07	4.11E-07	1.34E-03	2.12E-07	8.32E-08
5142	494863.09, 3864377.25	7.51E-04	1.18E-07	4.65E-08	8.10E-04	1.28E-07	3.93E-07	1.29E-03	2.03E-07	7.96E-08
5143	495363.09, 3864377.25	7.17E-04	1.13E-07	4.44E-08	7.74E-04	1.22E-07	3.75E-07	1.23E-03	1.93E-07	7.60E-08
5144	495863.09, 3864377.25	6.94E-04	1.09E-07	4.29E-08	7.49E-04	1.18E-07	3.63E-07	1.19E-03	1.87E-07	7.35E-08
5145	496363.09, 3864377.25	6.83E-04	1.08E-07	4.23E-08	7.37E-04	1.16E-07	3.58E-07	1.17E-03	1.84E-07	7.24E-08
5146	496863.09, 3864377.25	6.79E-04	1.07E-07	4.20E-08	7.33E-04	1.15E-07	3.56E-07	1.16E-03	1.83E-07	7.21E-08
5147	497363.09, 3864377.25	6.76E-04	1.06E-07	4.18E-08	7.30E-04	1.15E-07	3.54E-07	1.16E-03	1.83E-07	7.18E-08
5148	497863.09, 3864377.25	6.86E-04	1.08E-07	4.24E-08	7.40E-04	1.17E-07	3.59E-07	1.18E-03	1.86E-07	7.29E-08
5149	498363.09, 3864377.25	6.89E-04	1.08E-07	4.26E-08	7.44E-04	1.17E-07	3.61E-07	1.18E-03	1.87E-07	7.33E-08
5150	471363.09, 3864877.25	3.39E-04	5.34E-08	2.10E-08	3.65E-04	5.76E-08	1.77E-07	5.77E-04	9.09E-08	3.57E-08
5151	471863.09, 3864877.25	3.47E-04	5.47E-08	2.15E-08	3.75E-04	5.90E-08	1.82E-07	5.91E-04	9.32E-08	3.66E-08
5152	472363.09, 3864877.25	3.55E-04	5.60E-08	2.20E-08	3.83E-04	6.04E-08	1.86E-07	6.05E-04	9.53E-08	3.74E-08
5153	472863.09, 3864877.25	3.64E-04	5.73E-08	2.25E-08	3.92E-04	6.18E-08	1.90E-07	6.19E-04	9.75E-08	3.83E-08
5154	473363.09, 3864877.25	3.73E-04	5.87E-08	2.31E-08	4.02E-04	6.33E-08	1.95E-07	6.33E-04	9.97E-08	3.92E-08
5155	473863.09, 3864877.25	3.82E-04	6.02E-08	2.36E-08	4.12E-04	6.49E-08	2.00E-07	6.49E-04	1.02E-07	4.01E-08
5156	474363.09, 3864877.25	3.93E-04	6.19E-08	2.43E-08	4.23E-04	6.67E-08	2.05E-07	6.67E-04	1.05E-07	4.13E-08
5157	474863.09, 3864877.25	4.04E-04	6.36E-08	2.50E-08	4.35E-04	6.86E-08	2.11E-07	6.85E-04	1.08E-07	4.24E-08
5158	475363.09, 3864877.25	4.16E-04	6.55E-08	2.57E-08	4.48E-04	7.06E-08	2.17E-07	7.05E-04	1.11E-07	4.36E-08
5159	475863.09, 3864877.25	4.29E-04	6.76E-08	2.65E-08	4.62E-04	7.28E-08	2.24E-07	7.26E-04	1.14E-07	4.49E-08
5160	476363.09, 3864877.25	4.44E-04	7.00E-08	2.75E-08	4.79E-04	7.55E-08	2.32E-07	7.52E-04	1.19E-07	4.66E-08
5161	476863.09, 3864877.25	4.63E-04	7.29E-08	2.86E-08	4.99E-04	7.86E-08	2.42E-07	7.84E-04	1.23E-07	4.85E-08
5162	477363.09, 3864877.25	4.81E-04	7.58E-08	2.98E-08	5.19E-04	8.17E-08	2.52E-07	8.15E-04	1.28E-07	5.04E-08
5163	477863.09, 3864877.25	5.01E-04	7.90E-08	3.10E-08	5.40E-04	8.51E-08	2.62E-07	8.49E-04	1.34E-07	5.25E-08
5164	478363.09, 3864877.25	5.20E-04	8.19E-08	3.22E-08	5.60E-04	8.82E-08	2.72E-07	8.80E-04	1.39E-07	5.45E-08
5165	478863.09, 3864877.25	5.36E-04	8.45E-08	3.32E-08	5.78E-04	9.11E-08	2.80E-07	9.08E-04	1.43E-07	5.62E-08
5166	479363.09, 3864877.25	5.53E-04	8.71E-08	3.42E-08	5.96E-04	9.38E-08	2.89E-07	9.35E-04	1.47E-07	5.79E-08
5167	479863.09, 3864877.25	5.69E-04	8.97E-08	3.52E-08	6.14E-04	9.67E-08	2.98E-07	9.64E-04	1.52E-07	5.96E-08
5168	480363.09, 3864877.25	5.90E-04	9.29E-08	3.65E-08	6.36E-04	1.00E-07	3.08E-07	9.98E-04	1.57E-07	6.18E-08
5169	480863.09, 3864877.25	6.06E-04	9.55E-08	3.75E-08	6.53E-04	1.03E-07	3.17E-07	1.03E-03	1.62E-07	6.35E-08
5170	481363.09, 3864877.25	6.22E-04	9.79E-08	3.85E-08	6.70E-04	1.06E-07	3.25E-07	1.05E-03	1.66E-07	6.51E-08
5171	481863.09, 3864877.25	6.35E-04	1.00E-07	3.93E-08	6.84E-04	1.08E-07	3.32E-07	1.07E-03	1.69E-07	6.64E-08
5172	482363.09, 3864877.25	6.47E-04	1.02E-07	4.00E-08	6.97E-04	1.10E-07	3.38E-07	1.09E-03	1.72E-07	6.77E-08
5173	482863.09, 3864877.25	6.55E-04	1.03E-07	4.05E-08	7.06E-04	1.11E-07	3.42E-07	1.11E-03	1.74E-07	6.84E-08
5174	483363.09, 3864877.25	6.57E-04	1.03E-07	4.07E-08	7.08E-04	1.11E-07	3.43E-07	1.11E-03	1.75E-07	6.86E-08
5175	483863.09, 3864877.25	6.52E-04	1.03E-07	4.04E-08	7.03E-04	1.11E-07	3.41E-07	1.10E-03	1.73E-07	6.80E-08
5176	484363.09, 3864877.25	6.47E-04	1.02E-07	4.00E-08	6.97E-04	1.10E-07	3.38E-07	1.09E-03	1.71E-07	6.73E-08
5177	484863.09, 3864877.25	6.40E-04	1.01E-07	3.96E-08	6.90E-04	1.09E-07	3.35E-07	1.08E-03	1.69E-07	6.65E-08
5178	485363.09, 3864877.25	6.37E-04	1.00E-07	3.94E-08	6.86E-04	1.08E-07	3.33E-07	1.07E-03	1.68E-07	6.61E-08
5179	485863.09, 3864877.25	6.34E-04	9.99E-08	3.92E-08	6.82E-04	1.08E-07	3.31E-07	1.06E-03	1.68E-07	6.58E-08
5180	486363.09, 3864877.25	6.30E-04	9.93E-08	3.90E-08	6.79E-04	1.07E-07	3.29E-07	1.06E-03	1.67E-07	6.54E-08

5181	486863.09, 3864877.25	6.25E-04	9.84E-08	3.87E-08	6.73E-04	1.06E-07	3.26E-07	1.05E-03	1.65E-07	6.48E-08
5182	487363.09, 3864877.25	6.21E-04	9.78E-08	3.84E-08	6.68E-04	1.05E-07	3.24E-07	1.04E-03	1.64E-07	6.44E-08
5183	487863.09, 3864877.25	6.18E-04	9.73E-08	3.82E-08	6.65E-04	1.05E-07	3.23E-07	1.04E-03	1.63E-07	6.42E-08
5184	488363.09, 3864877.25	6.18E-04	9.73E-08	3.82E-08	6.65E-04	1.05E-07	3.23E-07	1.04E-03	1.64E-07	6.43E-08
5185	488863.09, 3864877.25	6.21E-04	9.78E-08	3.84E-08	6.69E-04	1.05E-07	3.24E-07	1.05E-03	1.65E-07	6.48E-08
5186	489363.09, 3864877.25	6.23E-04	9.82E-08	3.86E-08	6.72E-04	1.06E-07	3.26E-07	1.05E-03	1.66E-07	6.52E-08
5187	489863.09, 3864877.25	6.24E-04	9.83E-08	3.86E-08	6.73E-04	1.06E-07	3.26E-07	1.06E-03	1.66E-07	6.54E-08
5188	490363.09, 3864877.25	6.28E-04	9.89E-08	3.88E-08	6.77E-04	1.07E-07	3.28E-07	1.06E-03	1.67E-07	6.58E-08
5189	490863.09, 3864877.25	6.47E-04	1.02E-07	4.01E-08	6.98E-04	1.10E-07	3.39E-07	1.10E-03	1.73E-07	6.80E-08
5190	491363.09, 3864877.25	6.62E-04	1.04E-07	4.10E-08	7.14E-04	1.12E-07	3.46E-07	1.12E-03	1.77E-07	6.96E-08
5191	491863.09, 3864877.25	6.59E-04	1.04E-07	4.08E-08	7.11E-04	1.12E-07	3.45E-07	1.12E-03	1.77E-07	6.94E-08
5192	492363.09, 3864877.25	2.70E-04	4.25E-08	1.67E-08	2.91E-04	4.58E-08	1.41E-07	4.58E-04	7.21E-08	2.83E-08
5193	492863.09, 3864877.25	3.62E-04	5.71E-08	2.24E-08	3.91E-04	6.16E-08	1.90E-07	6.18E-04	9.74E-08	3.83E-08
5194	493363.09, 3864877.25	3.47E-04	5.46E-08	2.14E-08	3.74E-04	5.89E-08	1.81E-07	5.91E-04	9.31E-08	3.66E-08
5195	493863.09, 3864877.25	6.36E-04	1.00E-07	3.93E-08	6.86E-04	1.08E-07	3.33E-07	1.09E-03	1.71E-07	6.73E-08
5196	494363.09, 3864877.25	7.04E-04	1.11E-07	4.36E-08	7.60E-04	1.20E-07	3.69E-07	1.20E-03	1.90E-07	7.45E-08
5197	494863.09, 3864877.25	7.10E-04	1.12E-07	4.39E-08	7.66E-04	1.21E-07	3.72E-07	1.22E-03	1.92E-07	7.52E-08
5198	495363.09, 3864877.25	6.82E-04	1.07E-07	4.22E-08	7.36E-04	1.16E-07	3.57E-07	1.17E-03	1.84E-07	7.23E-08
5199	495863.09, 3864877.25	6.50E-04	1.02E-07	4.03E-08	7.02E-04	1.11E-07	3.41E-07	1.11E-03	1.76E-07	6.90E-08
5200	496363.09, 3864877.25	6.29E-04	9.90E-08	3.89E-08	6.79E-04	1.07E-07	3.29E-07	1.08E-03	1.70E-07	6.67E-08
5201	496863.09, 3864877.25	6.18E-04	9.73E-08	3.82E-08	6.67E-04	1.05E-07	3.23E-07	1.06E-03	1.67E-07	6.55E-08
5202	497363.09, 3864877.25	6.13E-04	9.65E-08	3.79E-08	6.61E-04	1.04E-07	3.21E-07	1.05E-03	1.65E-07	6.50E-08
5203	497863.09, 3864877.25	6.12E-04	9.64E-08	3.79E-08	6.61E-04	1.04E-07	3.20E-07	1.05E-03	1.65E-07	6.50E-08
5204	498363.09, 3864877.25	6.11E-04	9.63E-08	3.78E-08	6.60E-04	1.04E-07	3.20E-07	1.05E-03	1.65E-07	6.50E-08
5205	471363.09, 3865377.25	3.21E-04	5.06E-08	1.99E-08	3.47E-04	5.46E-08	1.68E-07	5.47E-04	8.61E-08	3.38E-08
5206	471863.09, 3865377.25	3.28E-04	5.17E-08	2.03E-08	3.54E-04	5.58E-08	1.72E-07	5.58E-04	8.79E-08	3.45E-08
5207	472363.09, 3865377.25	3.35E-04	5.28E-08	2.07E-08	3.61E-04	5.69E-08	1.75E-07	5.69E-04	8.96E-08	3.52E-08
5208	472863.09, 3865377.25	3.43E-04	5.40E-08	2.12E-08	3.70E-04	5.82E-08	1.79E-07	5.82E-04	9.17E-08	3.60E-08
5209	473363.09, 3865377.25	3.50E-04	5.51E-08	2.17E-08	3.77E-04	5.94E-08	1.83E-07	5.94E-04	9.36E-08	3.68E-08
5210	473863.09, 3865377.25	3.58E-04	5.64E-08	2.22E-08	3.86E-04	6.08E-08	1.87E-07	6.08E-04	9.57E-08	3.76E-08
5211	474363.09, 3865377.25	3.68E-04	5.79E-08	2.28E-08	3.97E-04	6.25E-08	1.92E-07	6.23E-04	9.82E-08	3.86E-08
5212	474863.09, 3865377.25	3.79E-04	5.96E-08	2.34E-08	4.08E-04	6.43E-08	1.98E-07	6.41E-04	1.01E-07	3.97E-08
5213	475363.09, 3865377.25	3.90E-04	6.14E-08	2.41E-08	4.20E-04	6.62E-08	2.04E-07	6.59E-04	1.04E-07	4.08E-08
5214	475863.09, 3865377.25	4.04E-04	6.36E-08	2.50E-08	4.35E-04	6.85E-08	2.11E-07	6.83E-04	1.08E-07	4.23E-08
5215	476363.09, 3865377.25	4.22E-04	6.65E-08	2.61E-08	4.55E-04	7.17E-08	2.21E-07	7.15E-04	1.13E-07	4.43E-08
5216	476863.09, 3865377.25	4.29E-04	6.76E-08	2.66E-08	4.63E-04	7.29E-08	2.25E-07	7.28E-04	1.15E-07	4.51E-08
5217	477363.09, 3865377.25	4.58E-04	7.21E-08	2.83E-08	4.93E-04	7.77E-08	2.39E-07	7.76E-04	1.22E-07	4.80E-08
5218	477863.09, 3865377.25	4.72E-04	7.43E-08	2.92E-08	5.08E-04	8.01E-08	2.47E-07	7.99E-04	1.26E-07	4.95E-08
5219	478363.09, 3865377.25	4.88E-04	7.68E-08	3.02E-08	5.26E-04	8.28E-08	2.55E-07	8.26E-04	1.30E-07	5.11E-08
5220	478863.09, 3865377.25	5.00E-04	7.88E-08	3.10E-08	5.39E-04	8.49E-08	2.62E-07	8.46E-04	1.33E-07	5.24E-08
5221	479363.09, 3865377.25	5.14E-04	8.09E-08	3.18E-08	5.54E-04	8.72E-08	2.69E-07	8.69E-04	1.37E-07	5.38E-08
5222	479863.09, 3865377.25	5.30E-04	8.35E-08	3.28E-08	5.71E-04	9.00E-08	2.77E-07	8.97E-04	1.41E-07	5.55E-08
5223	480363.09, 3865377.25	5.45E-04	8.58E-08	3.37E-08	5.87E-04	9.25E-08	2.85E-07	9.21E-04	1.45E-07	5.70E-08
5224	480863.09, 3865377.25	5.58E-04	8.79E-08	3.46E-08	6.02E-04	9.48E-08	2.92E-07	9.44E-04	1.49E-07	5.84E-08
5225	481363.09, 3865377.25	5.71E-04	9.00E-08	3.53E-08	6.16E-04	9.70E-08	2.99E-07	9.66E-04	1.52E-07	5.98E-08
5226	481863.09, 3865377.25	5.81E-04	9.16E-08	3.60E-08	6.27E-04	9.87E-08	3.04E-07	9.83E-04	1.55E-07	6.08E-08
5227	482363.09, 3865377.25	5.90E-04	9.29E-08	3.65E-08	6.35E-04	1.00E-07	3.08E-07	9.96E-04	1.57E-07	6.17E-08
5228	482863.09, 3865377.25	5.95E-04	9.37E-08	3.68E-08	6.41E-04	1.01E-07	3.11E-07	1.00E-03	1.58E-07	6.21E-08
5229	483363.09, 3865377.25	5.96E-04	9.38E-08	3.69E-08	6.42E-04	1.01E-07	3.11E-07	1.00E-03	1.58E-07	6.21E-08
5230	483863.09, 3865377.25	5.91E-04	9.32E-08	3.66E-08	6.37E-04	1.00E-07	3.09E-07	9.95E-04	1.57E-07	6.16E-08
5231	484363.09, 3865377.25	5.86E-04	9.23E-08	3.63E-08	6.31E-04	9.94E-08	3.06E-07	9.85E-04	1.55E-07	6.09E-08
5232	484863.09, 3865377.25	5.81E-04	9.15E-08	3.60E-08	6.26E-04	9.85E-08	3.04E-07	9.75E-04	1.54E-07	6.03E-08
5233	485363.09, 3865377.25	5.77E-04	9.09E-08	3.57E-08	6.21E-04	9.79E-08	3.01E-07	9.67E-04	1.52E-07	5.99E-08
5234	485863.09, 3865377.25	5.74E-04	9.04E-08	3.55E-08	6.17E-04	9.73E-08	3.00E-07	9.62E-04	1.52E-07	5.95E-08
5235	486363.09, 3865377.25	5.71E-04	9.00E-08	3.53E-08	6.15E-04	9.69E-08	2.98E-07	9.57E-04	1.51E-07	5.93E-08
5236	486863.09, 3865377.25	5.67E-04	8.93E-08	3.51E-08	6.10E-04	9.61E-08	2.96E-07	9.50E-04	1.50E-07	5.88E-08
5237	487363.09, 3865377.25	5.64E-04	8.88E-08	3.49E-08	6.07E-04	9.56E-08	2.95E-07	9.45E-04	1.49E-07	5.85E-08
5238	487863.09, 3865377.25	5.62E-04	8.85E-08	3.48E-08	6.05E-04	9.53E-08	2.93E-07	9.42E-04	1.48E-07	5.83E-08
5239	488363.09, 3865377.25	5.62E-04	8.86E-08	3.48E-08	6.06E-04	9.54E-08	2.94E-07	9.45E-04	1.49E-07	5.85E-08
5240	488863.09, 3865377.25	5.65E-04	8.90E-08	3.50E-08	6.09E-04	9.59E-08	2.95E-07	9.51E-04	1.50E-07	5.89E-08
5241	489363.09, 3865377.25	5.67E-04	8.94E-08	3.51E-08	6.11E-04	9.63E-08	2.97E-07	9.58E-04	1.51E-07	5.93E-08
5242	489863.09, 3865377.25	5.72E-04	9.01E-08	3.54E-08	6.16E-04	9.71E-08	2.99E-07	9.67E-04	1.52E-07	5.98E-08
5243	490363.09, 3865377.25	5.84E-04	9.20E-08	3.62E-08	6.30E-04	9.92E-08	3.06E-07	9.91E-04	1.56E-07	6.13E-08
5244	490863.09, 3865377.25	5.81E-04	9.16E-08	3.60E-08	6.27E-04	9.87E-08	3.04E-07	9.86E-04	1.55E-07	6.10E-08

5245	491363.09, 3865377.25	5.82E-04	9.16E-08	3.60E-08	6.27E-04	9.88E-08	3.04E-07	9.89E-04	1.56E-07	6.12E-08
5246	491863.09, 3865377.25	5.90E-04	9.29E-08	3.65E-08	6.36E-04	1.00E-07	3.09E-07	1.00E-03	1.58E-07	6.21E-08
5247	492363.09, 3865377.25	5.32E-04	8.38E-08	3.29E-08	5.74E-04	9.04E-08	2.78E-07	9.09E-04	1.43E-07	5.62E-08
5248	492863.09, 3865377.25	4.21E-04	6.64E-08	2.61E-08	4.55E-04	7.16E-08	2.21E-07	7.20E-04	1.13E-07	4.46E-08
5249	493363.09, 3865377.25	3.19E-04	5.03E-08	1.98E-08	3.44E-04	5.43E-08	1.67E-07	5.45E-04	8.58E-08	3.37E-08
5250	493863.09, 3865377.25	4.69E-04	7.38E-08	2.90E-08	5.06E-04	7.97E-08	2.45E-07	8.02E-04	1.26E-07	4.97E-08
5251	494363.09, 3865377.25	5.85E-04	9.22E-08	3.62E-08	6.32E-04	9.95E-08	3.07E-07	1.00E-03	1.58E-07	6.19E-08
5252	494863.09, 3865377.25	6.38E-04	1.00E-07	3.95E-08	6.88E-04	1.08E-07	3.34E-07	1.09E-03	1.72E-07	6.75E-08
5253	495363.09, 3865377.25	6.46E-04	1.02E-07	4.00E-08	6.97E-04	1.10E-07	3.38E-07	1.11E-03	1.74E-07	6.85E-08
5254	495863.09, 3865377.25	6.23E-04	9.81E-08	3.85E-08	6.72E-04	1.06E-07	3.26E-07	1.07E-03	1.68E-07	6.60E-08
5255	496363.09, 3865377.25	5.92E-04	9.32E-08	3.66E-08	6.39E-04	1.01E-07	3.10E-07	1.01E-03	1.60E-07	6.27E-08
5256	496863.09, 3865377.25	5.65E-04	8.90E-08	3.49E-08	6.09E-04	9.60E-08	2.96E-07	9.66E-04	1.52E-07	5.98E-08
5257	497363.09, 3865377.25	5.62E-04	8.85E-08	3.48E-08	6.06E-04	9.55E-08	2.94E-07	9.63E-04	1.52E-07	5.96E-08
5258	497863.09, 3865377.25	5.57E-04	8.77E-08	3.45E-08	6.01E-04	9.47E-08	2.92E-07	9.55E-04	1.50E-07	5.91E-08
5259	498363.09, 3865377.25	5.57E-04	8.78E-08	3.45E-08	6.02E-04	9.48E-08	2.92E-07	9.56E-04	1.51E-07	5.91E-08
5260	471363.09, 3865877.25	3.04E-04	4.78E-08	1.88E-08	3.27E-04	5.16E-08	1.59E-07	5.16E-04	8.13E-08	3.19E-08
5261	471863.09, 3865877.25	3.09E-04	4.87E-08	1.91E-08	3.33E-04	5.25E-08	1.62E-07	5.24E-04	8.26E-08	3.25E-08
5262	472363.09, 3865877.25	3.16E-04	4.98E-08	1.95E-08	3.41E-04	5.36E-08	1.65E-07	5.36E-04	8.44E-08	3.32E-08
5263	472863.09, 3865877.25	3.21E-04	5.06E-08	1.99E-08	3.46E-04	5.46E-08	1.68E-07	5.45E-04	8.58E-08	3.37E-08
5264	473363.09, 3865877.25	3.28E-04	5.17E-08	2.03E-08	3.54E-04	5.57E-08	1.72E-07	5.56E-04	8.76E-08	3.44E-08
5265	473863.09, 3865877.25	3.37E-04	5.31E-08	2.09E-08	3.64E-04	5.73E-08	1.76E-07	5.71E-04	9.00E-08	3.54E-08
5266	474363.09, 3865877.25	3.47E-04	5.46E-08	2.15E-08	3.74E-04	5.89E-08	1.81E-07	5.87E-04	9.24E-08	3.63E-08
5267	474863.09, 3865877.25	3.58E-04	5.64E-08	2.22E-08	3.86E-04	6.08E-08	1.87E-07	6.06E-04	9.54E-08	3.75E-08
5268	475363.09, 3865877.25	3.70E-04	5.83E-08	2.29E-08	3.99E-04	6.28E-08	1.93E-07	6.25E-04	9.85E-08	3.87E-08
5269	475863.09, 3865877.25	3.84E-04	6.05E-08	2.38E-08	4.14E-04	6.52E-08	2.01E-07	6.49E-04	1.02E-07	4.02E-08
5270	476363.09, 3865877.25	4.01E-04	6.32E-08	2.48E-08	4.33E-04	6.81E-08	2.10E-07	6.80E-04	1.07E-07	4.21E-08
5271	476863.09, 3865877.25	4.08E-04	6.42E-08	2.52E-08	4.39E-04	6.92E-08	2.13E-07	6.92E-04	1.09E-07	4.28E-08
5272	477363.09, 3865877.25	4.35E-04	6.85E-08	2.69E-08	4.68E-04	7.38E-08	2.27E-07	7.36E-04	1.16E-07	4.56E-08
5273	477863.09, 3865877.25	4.46E-04	7.02E-08	2.76E-08	4.80E-04	7.57E-08	2.33E-07	7.55E-04	1.19E-07	4.67E-08
5274	478363.09, 3865877.25	4.58E-04	7.21E-08	2.83E-08	4.93E-04	7.77E-08	2.39E-07	7.74E-04	1.22E-07	4.79E-08
5275	478863.09, 3865877.25	4.68E-04	7.38E-08	2.90E-08	5.05E-04	7.95E-08	2.45E-07	7.92E-04	1.25E-07	4.90E-08
5276	479363.09, 3865877.25	4.80E-04	7.57E-08	2.97E-08	5.18E-04	8.15E-08	2.51E-07	8.12E-04	1.28E-07	5.03E-08
5277	479863.09, 3865877.25	4.93E-04	7.77E-08	3.05E-08	5.31E-04	8.37E-08	2.58E-07	8.34E-04	1.31E-07	5.16E-08
5278	480363.09, 3865877.25	5.06E-04	7.97E-08	3.13E-08	5.45E-04	8.59E-08	2.64E-07	8.56E-04	1.35E-07	5.29E-08
5279	480863.09, 3865877.25	5.18E-04	8.16E-08	3.20E-08	5.58E-04	8.79E-08	2.71E-07	8.76E-04	1.38E-07	5.42E-08
5280	481363.09, 3865877.25	5.27E-04	8.30E-08	3.26E-08	5.68E-04	8.94E-08	2.75E-07	8.90E-04	1.40E-07	5.51E-08
5281	481863.09, 3865877.25	5.34E-04	8.42E-08	3.31E-08	5.76E-04	9.07E-08	2.79E-07	9.03E-04	1.42E-07	5.59E-08
5282	482363.09, 3865877.25	5.40E-04	8.51E-08	3.34E-08	5.82E-04	9.17E-08	2.82E-07	9.12E-04	1.44E-07	5.64E-08
5283	482863.09, 3865877.25	5.44E-04	8.56E-08	3.36E-08	5.86E-04	9.23E-08	2.84E-07	9.17E-04	1.44E-07	5.67E-08
5284	483363.09, 3865877.25	5.44E-04	8.57E-08	3.37E-08	5.86E-04	9.23E-08	2.84E-07	9.16E-04	1.44E-07	5.67E-08
5285	483863.09, 3865877.25	5.41E-04	8.52E-08	3.35E-08	5.82E-04	9.17E-08	2.82E-07	9.09E-04	1.43E-07	5.62E-08
5286	484363.09, 3865877.25	5.37E-04	8.45E-08	3.32E-08	5.78E-04	9.10E-08	2.80E-07	9.00E-04	1.42E-07	5.57E-08
5287	484863.09, 3865877.25	5.30E-04	8.35E-08	3.28E-08	5.70E-04	8.99E-08	2.77E-07	8.88E-04	1.40E-07	5.50E-08
5288	485363.09, 3865877.25	5.25E-04	8.28E-08	3.25E-08	5.65E-04	8.91E-08	2.74E-07	8.80E-04	1.39E-07	5.45E-08
5289	485863.09, 3865877.25	5.22E-04	8.22E-08	3.23E-08	5.62E-04	8.85E-08	2.73E-07	8.75E-04	1.38E-07	5.41E-08
5290	486363.09, 3865877.25	5.19E-04	8.18E-08	3.21E-08	5.59E-04	8.80E-08	2.71E-07	8.69E-04	1.37E-07	5.38E-08
5291	486863.09, 3865877.25	5.16E-04	8.13E-08	3.19E-08	5.56E-04	8.75E-08	2.70E-07	8.64E-04	1.36E-07	5.35E-08
5292	487363.09, 3865877.25	5.14E-04	8.10E-08	3.18E-08	5.54E-04	8.72E-08	2.69E-07	8.62E-04	1.36E-07	5.34E-08
5293	487863.09, 3865877.25	5.15E-04	8.12E-08	3.19E-08	5.55E-04	8.74E-08	2.69E-07	8.64E-04	1.36E-07	5.35E-08
5294	488363.09, 3865877.25	5.15E-04	8.11E-08	3.19E-08	5.55E-04	8.74E-08	2.69E-07	8.65E-04	1.36E-07	5.35E-08
5295	488863.09, 3865877.25	5.18E-04	8.17E-08	3.21E-08	5.58E-04	8.79E-08	2.71E-07	8.72E-04	1.37E-07	5.40E-08
5296	489363.09, 3865877.25	5.21E-04	8.21E-08	3.23E-08	5.61E-04	8.85E-08	2.72E-07	8.79E-04	1.38E-07	5.44E-08
5297	489863.09, 3865877.25	5.23E-04	8.24E-08	3.24E-08	5.64E-04	8.88E-08	2.74E-07	8.84E-04	1.39E-07	5.47E-08
5298	490363.09, 3865877.25	5.30E-04	8.35E-08	3.28E-08	5.71E-04	9.00E-08	2.77E-07	8.97E-04	1.41E-07	5.55E-08
5299	490863.09, 3865877.25	5.34E-04	8.41E-08	3.30E-08	5.76E-04	9.07E-08	2.79E-07	9.06E-04	1.43E-07	5.60E-08
5300	491363.09, 3865877.25	5.24E-04	8.26E-08	3.24E-08	5.65E-04	8.90E-08	2.74E-07	8.91E-04	1.40E-07	5.51E-08
5301	491863.09, 3865877.25	5.24E-04	8.26E-08	3.24E-08	5.65E-04	8.91E-08	2.74E-07	8.93E-04	1.41E-07	5.52E-08
5302	492363.09, 3865877.25	5.13E-04	8.08E-08	3.17E-08	5.53E-04	8.72E-08	2.69E-07	8.75E-04	1.38E-07	5.42E-08
5303	492863.09, 3865877.25	4.15E-04	6.53E-08	2.57E-08	4.47E-04	7.05E-08	2.17E-07	7.08E-04	1.12E-07	4.38E-08
5304	493363.09, 3865877.25	4.13E-04	6.51E-08	2.56E-08	4.46E-04	7.02E-08	2.16E-07	7.06E-04	1.11E-07	4.37E-08
5305	493863.09, 3865877.25	4.56E-04	7.18E-08	2.82E-08	4.92E-04	7.75E-08	2.39E-07	7.80E-04	1.23E-07	4.83E-08
5306	494363.09, 3865877.25	4.99E-04	7.85E-08	3.09E-08	5.38E-04	8.47E-08	2.61E-07	8.51E-04	1.34E-07	5.27E-08
5307	494863.09, 3865877.25	5.54E-04	8.73E-08	3.43E-08	5.98E-04	9.42E-08	2.90E-07	9.46E-04	1.49E-07	5.86E-08
5308	495363.09, 3865877.25	5.84E-04	9.20E-08	3.61E-08	6.30E-04	9.93E-08	3.06E-07	9.99E-04	1.57E-07	6.18E-08

5309	495863.09, 3865877.25	5.91E-04	9.31E-08	3.66E-08	6.38E-04	1.00E-07	3.09E-07	1.01E-03	1.59E-07	6.26E-08
5310	496363.09, 3865877.25	5.72E-04	9.01E-08	3.54E-08	6.17E-04	9.73E-08	3.00E-07	9.79E-04	1.54E-07	6.06E-08
5311	496863.09, 3865877.25	5.35E-04	8.43E-08	3.31E-08	5.78E-04	9.10E-08	2.80E-07	9.16E-04	1.44E-07	5.67E-08
5312	497363.09, 3865877.25	5.13E-04	8.08E-08	3.18E-08	5.54E-04	8.72E-08	2.69E-07	8.77E-04	1.38E-07	5.43E-08
5313	497863.09, 3865877.25	5.06E-04	7.97E-08	3.13E-08	5.46E-04	8.60E-08	2.65E-07	8.65E-04	1.36E-07	5.35E-08
5314	498363.09, 3865877.25	5.00E-04	7.88E-08	3.10E-08	5.40E-04	8.50E-08	2.62E-07	8.55E-04	1.35E-07	5.29E-08
5315	471363.09, 3866377.25	2.86E-04	4.50E-08	1.77E-08	3.08E-04	4.85E-08	1.50E-07	4.85E-04	7.64E-08	3.00E-08
5316	471863.09, 3866377.25	2.91E-04	4.59E-08	1.80E-08	3.14E-04	4.95E-08	1.52E-07	4.94E-04	7.78E-08	3.06E-08
5317	472363.09, 3866377.25	2.97E-04	4.68E-08	1.84E-08	3.20E-04	5.04E-08	1.55E-07	5.03E-04	7.93E-08	3.11E-08
5318	472863.09, 3866377.25	3.03E-04	4.77E-08	1.87E-08	3.26E-04	5.14E-08	1.58E-07	5.12E-04	8.07E-08	3.17E-08
5319	473363.09, 3866377.25	3.11E-04	4.89E-08	1.92E-08	3.35E-04	5.27E-08	1.62E-07	5.26E-04	8.28E-08	3.25E-08
5320	473863.09, 3866377.25	3.19E-04	5.03E-08	1.98E-08	3.44E-04	5.42E-08	1.67E-07	5.40E-04	8.51E-08	3.34E-08
5321	474363.09, 3866377.25	3.29E-04	5.19E-08	2.04E-08	3.55E-04	5.59E-08	1.72E-07	5.57E-04	8.77E-08	3.44E-08
5322	474863.09, 3866377.25	3.41E-04	5.36E-08	2.11E-08	3.67E-04	5.78E-08	1.78E-07	5.76E-04	9.07E-08	3.56E-08
5323	475363.09, 3866377.25	3.52E-04	5.55E-08	2.18E-08	3.79E-04	5.98E-08	1.84E-07	5.95E-04	9.38E-08	3.68E-08
5324	475863.09, 3866377.25	3.65E-04	5.75E-08	2.26E-08	3.93E-04	6.19E-08	1.91E-07	6.17E-04	9.72E-08	3.82E-08
5325	476363.09, 3866377.25	3.83E-04	6.04E-08	2.37E-08	4.13E-04	6.51E-08	2.00E-07	6.49E-04	1.02E-07	4.02E-08
5326	476863.09, 3866377.25	3.84E-04	6.05E-08	2.38E-08	4.14E-04	6.52E-08	2.01E-07	6.52E-04	1.03E-07	4.04E-08
5327	477363.09, 3866377.25	4.09E-04	6.45E-08	2.53E-08	4.41E-04	6.95E-08	2.14E-07	6.94E-04	1.09E-07	4.29E-08
5328	477863.09, 3866377.25	4.22E-04	6.65E-08	2.61E-08	4.55E-04	7.17E-08	2.21E-07	7.14E-04	1.13E-07	4.42E-08
5329	478363.09, 3866377.25	4.30E-04	6.77E-08	2.66E-08	4.63E-04	7.29E-08	2.25E-07	7.27E-04	1.14E-07	4.50E-08
5330	478863.09, 3866377.25	4.40E-04	6.93E-08	2.72E-08	4.74E-04	7.46E-08	2.30E-07	7.43E-04	1.17E-07	4.60E-08
5331	479363.09, 3866377.25	4.51E-04	7.10E-08	2.79E-08	4.86E-04	7.66E-08	2.36E-07	7.62E-04	1.20E-07	4.72E-08
5332	479863.09, 3866377.25	4.64E-04	7.31E-08	2.87E-08	5.00E-04	7.88E-08	2.43E-07	7.85E-04	1.24E-07	4.86E-08
5333	480363.09, 3866377.25	4.76E-04	7.49E-08	2.94E-08	5.13E-04	8.07E-08	2.49E-07	8.04E-04	1.27E-07	4.98E-08
5334	480863.09, 3866377.25	4.83E-04	7.61E-08	2.99E-08	5.21E-04	8.20E-08	2.53E-07	8.17E-04	1.29E-07	5.05E-08
5335	481363.09, 3866377.25	4.90E-04	7.72E-08	3.03E-08	5.28E-04	8.32E-08	2.56E-07	8.28E-04	1.30E-07	5.12E-08
5336	481863.09, 3866377.25	4.94E-04	7.78E-08	3.06E-08	5.32E-04	8.38E-08	2.58E-07	8.34E-04	1.31E-07	5.16E-08
5337	482363.09, 3866377.25	4.97E-04	7.83E-08	3.08E-08	5.36E-04	8.44E-08	2.60E-07	8.39E-04	1.32E-07	5.19E-08
5338	482863.09, 3866377.25	5.00E-04	7.88E-08	3.10E-08	5.39E-04	8.49E-08	2.62E-07	8.43E-04	1.33E-07	5.22E-08
5339	483363.09, 3866377.25	5.00E-04	7.87E-08	3.09E-08	5.38E-04	8.48E-08	2.61E-07	8.41E-04	1.32E-07	5.20E-08
5340	483863.09, 3866377.25	4.97E-04	7.82E-08	3.07E-08	5.35E-04	8.42E-08	2.59E-07	8.34E-04	1.31E-07	5.16E-08
5341	484363.09, 3866377.25	4.91E-04	7.74E-08	3.04E-08	5.29E-04	8.33E-08	2.57E-07	8.24E-04	1.30E-07	5.10E-08
5342	484863.09, 3866377.25	4.87E-04	7.67E-08	3.01E-08	5.24E-04	8.26E-08	2.54E-07	8.16E-04	1.29E-07	5.05E-08
5343	485363.09, 3866377.25	4.81E-04	7.58E-08	2.98E-08	5.18E-04	8.16E-08	2.51E-07	8.06E-04	1.27E-07	4.99E-08
5344	485863.09, 3866377.25	4.77E-04	7.51E-08	2.95E-08	5.13E-04	8.08E-08	2.49E-07	7.98E-04	1.26E-07	4.94E-08
5345	486363.09, 3866377.25	4.74E-04	7.47E-08	2.94E-08	5.10E-04	8.04E-08	2.48E-07	7.94E-04	1.25E-07	4.91E-08
5346	486863.09, 3866377.25	4.74E-04	7.46E-08	2.93E-08	5.10E-04	8.03E-08	2.47E-07	7.93E-04	1.25E-07	4.91E-08
5347	487363.09, 3866377.25	4.81E-04	7.58E-08	2.98E-08	5.18E-04	8.16E-08	2.51E-07	8.06E-04	1.27E-07	4.99E-08
5348	487863.09, 3866377.25	4.85E-04	7.64E-08	3.00E-08	5.22E-04	8.23E-08	2.53E-07	8.13E-04	1.28E-07	5.03E-08
5349	488363.09, 3866377.25	4.85E-04	7.64E-08	3.00E-08	5.22E-04	8.23E-08	2.53E-07	8.14E-04	1.28E-07	5.04E-08
5350	488863.09, 3866377.25	4.87E-04	7.68E-08	3.02E-08	5.25E-04	8.27E-08	2.55E-07	8.21E-04	1.29E-07	5.08E-08
5351	489363.09, 3866377.25	4.86E-04	7.66E-08	3.01E-08	5.24E-04	8.25E-08	2.54E-07	8.21E-04	1.29E-07	5.08E-08
5352	489863.09, 3866377.25	4.75E-04	7.49E-08	2.94E-08	5.12E-04	8.07E-08	2.49E-07	8.04E-04	1.27E-07	4.98E-08
5353	490363.09, 3866377.25	4.85E-04	7.64E-08	3.00E-08	5.22E-04	8.23E-08	2.53E-07	8.19E-04	1.29E-07	5.07E-08
5354	490863.09, 3866377.25	4.86E-04	7.66E-08	3.01E-08	5.24E-04	8.25E-08	2.54E-07	8.22E-04	1.30E-07	5.09E-08
5355	491363.09, 3866377.25	4.93E-04	7.76E-08	3.05E-08	5.31E-04	8.37E-08	2.58E-07	8.36E-04	1.32E-07	5.17E-08
5356	491863.09, 3866377.25	4.67E-04	7.35E-08	2.89E-08	5.03E-04	7.93E-08	2.44E-07	7.95E-04	1.25E-07	4.92E-08
5357	492363.09, 3866377.25	4.70E-04	7.41E-08	2.91E-08	5.07E-04	7.99E-08	2.46E-07	8.02E-04	1.26E-07	4.96E-08
5358	492863.09, 3866377.25	4.36E-04	6.87E-08	2.70E-08	4.70E-04	7.41E-08	2.28E-07	7.45E-04	1.17E-07	4.61E-08
5359	493363.09, 3866377.25	4.58E-04	7.21E-08	2.83E-08	4.94E-04	7.78E-08	2.40E-07	7.81E-04	1.23E-07	4.83E-08
5360	493863.09, 3866377.25	4.79E-04	7.55E-08	2.96E-08	5.17E-04	8.14E-08	2.51E-07	8.18E-04	1.29E-07	5.06E-08
5361	494363.09, 3866377.25	4.88E-04	7.68E-08	3.02E-08	5.26E-04	8.29E-08	2.55E-07	8.31E-04	1.31E-07	5.14E-08
5362	494863.09, 3866377.25	4.78E-04	7.54E-08	2.96E-08	5.16E-04	8.13E-08	2.50E-07	8.16E-04	1.28E-07	5.05E-08
5363	495363.09, 3866377.25	4.96E-04	7.82E-08	3.07E-08	5.35E-04	8.44E-08	2.60E-07	8.47E-04	1.33E-07	5.24E-08
5364	495863.09, 3866377.25	5.23E-04	8.23E-08	3.23E-08	5.64E-04	8.88E-08	2.74E-07	8.94E-04	1.41E-07	5.53E-08
5365	496363.09, 3866377.25	5.28E-04	8.32E-08	3.27E-08	5.70E-04	8.98E-08	2.76E-07	9.04E-04	1.42E-07	5.60E-08
5366	496863.09, 3866377.25	5.08E-04	8.00E-08	3.14E-08	5.48E-04	8.63E-08	2.66E-07	8.70E-04	1.37E-07	5.38E-08
5367	497363.09, 3866377.25	4.84E-04	7.63E-08	3.00E-08	5.22E-04	8.23E-08	2.53E-07	8.29E-04	1.31E-07	5.13E-08
5368	497863.09, 3866377.25	4.62E-04	7.28E-08	2.86E-08	4.99E-04	7.86E-08	2.42E-07	7.91E-04	1.25E-07	4.89E-08
5369	498363.09, 3866377.25	4.17E-04	6.58E-08	2.58E-08	4.50E-04	7.10E-08	2.19E-07	7.14E-04	1.12E-07	4.42E-08
5370	474494.92, 3848334.16	2.85E-04	4.49E-08	1.76E-08	3.07E-04	4.84E-08	1.49E-07	4.85E-04	7.63E-08	3.00E-08
5371	475167.27, 3848920.79	3.25E-04	5.13E-08	2.01E-08	3.51E-04	5.53E-08	1.70E-07	5.54E-04	8.72E-08	3.43E-08
5372	475297.89, 3848997.96	3.31E-04	5.21E-08	2.05E-08	3.57E-04	5.62E-08	1.73E-07	5.63E-04	8.87E-08	3.48E-08

5373	475439.05, 3849062	3.27E-04	5.15E-08	2.02E-08	3.53E-04	5.56E-08	1.71E-07	5.57E-04	8.77E-08	3.45E-08
5374	475486.86, 3849061.09	3.24E-04	5.11E-08	2.01E-08	3.49E-04	5.51E-08	1.70E-07	5.52E-04	8.69E-08	3.41E-08
5375	475538.46, 3849075.56	3.26E-04	5.14E-08	2.02E-08	3.52E-04	5.54E-08	1.71E-07	5.55E-04	8.74E-08	3.43E-08
5376	475751.79, 3849137.15	3.41E-04	5.37E-08	2.11E-08	3.67E-04	5.79E-08	1.78E-07	5.79E-04	9.13E-08	3.59E-08
5377	476303.62, 3849223.38	3.47E-04	5.47E-08	2.15E-08	3.74E-04	5.90E-08	1.82E-07	5.89E-04	9.29E-08	3.65E-08
5378	476304.51, 3849238.92	3.50E-04	5.51E-08	2.16E-08	3.77E-04	5.94E-08	1.83E-07	5.94E-04	9.35E-08	3.67E-08
5379	476365.04, 3849247.98	3.50E-04	5.51E-08	2.16E-08	3.77E-04	5.94E-08	1.83E-07	5.93E-04	9.35E-08	3.67E-08
5380	476444.86, 3849267.13	3.48E-04	5.48E-08	2.15E-08	3.75E-04	5.91E-08	1.82E-07	5.90E-04	9.30E-08	3.65E-08
5381	476550.75, 3849300.66	3.52E-04	5.54E-08	2.18E-08	3.79E-04	5.97E-08	1.84E-07	5.97E-04	9.40E-08	3.69E-08
5382	476656.71, 3849346.88	3.55E-04	5.60E-08	2.20E-08	3.83E-04	6.03E-08	1.86E-07	6.03E-04	9.49E-08	3.73E-08
5383	476873.55, 3849454.53	3.67E-04	5.78E-08	2.27E-08	3.96E-04	6.23E-08	1.92E-07	6.22E-04	9.79E-08	3.85E-08
5384	477700, 3849859.7	4.29E-04	6.76E-08	2.66E-08	4.62E-04	7.28E-08	2.24E-07	7.25E-04	1.14E-07	4.48E-08
5385	477743.16, 3849856.38	4.28E-04	6.75E-08	2.65E-08	4.62E-04	7.27E-08	2.24E-07	7.24E-04	1.14E-07	4.48E-08
5386	478477.35, 3850216.33	5.34E-04	8.41E-08	3.30E-08	5.76E-04	9.07E-08	2.79E-07	9.05E-04	1.43E-07	5.60E-08
5387	478485.8, 3850201.6	5.39E-04	8.49E-08	3.34E-08	5.81E-04	9.16E-08	2.82E-07	9.15E-04	1.44E-07	5.66E-08
5388	479113.21, 3850501.53	7.29E-04	1.15E-07	4.51E-08	7.86E-04	1.24E-07	3.81E-07	1.24E-03	1.95E-07	7.68E-08
5389	479108.11, 3850382.28	7.40E-04	1.17E-07	4.58E-08	7.98E-04	1.26E-07	3.87E-07	1.26E-03	1.99E-07	7.81E-08
5390	479689.85, 3850674.28	8.63E-04	1.36E-07	5.34E-08	9.31E-04	1.47E-07	4.52E-07	1.47E-03	2.32E-07	9.13E-08
5391	479952.42, 3850774.28	8.98E-04	1.41E-07	5.56E-08	9.69E-04	1.53E-07	4.70E-07	1.53E-03	2.42E-07	9.49E-08
5392	479911.32, 3850884.85	9.32E-04	1.47E-07	5.77E-08	1.01E-03	1.58E-07	4.88E-07	1.59E-03	2.51E-07	9.85E-08
5393	480500.92, 3851178.12	1.04E-03	1.63E-07	6.41E-08	1.12E-03	1.76E-07	5.42E-07	1.76E-03	2.77E-07	1.09E-07
5394	480738.01, 3851289.27	1.06E-03	1.67E-07	6.58E-08	1.15E-03	1.80E-07	5.56E-07	1.80E-03	2.84E-07	1.12E-07
5395	481055.42, 3851443.58	1.10E-03	1.73E-07	6.80E-08	1.18E-03	1.87E-07	5.75E-07	1.86E-03	2.93E-07	1.15E-07
5396	481110.22, 3851443.15	1.09E-03	1.71E-07	6.73E-08	1.17E-03	1.85E-07	5.69E-07	1.84E-03	2.90E-07	1.14E-07
5397	481111.1, 3851417.45	1.07E-03	1.69E-07	6.63E-08	1.15E-03	1.82E-07	5.60E-07	1.81E-03	2.85E-07	1.12E-07
5398	482248.44, 3852605.09	1.85E-03	2.92E-07	1.15E-07	1.99E-03	3.14E-07	9.67E-07	3.11E-03	4.90E-07	1.92E-07
5399	482273.34, 3852632.31	1.88E-03	2.96E-07	1.16E-07	2.02E-03	3.19E-07	9.82E-07	3.15E-03	4.97E-07	1.95E-07
5400	482665.46, 3853038.72	2.51E-03	3.95E-07	1.55E-07	2.70E-03	4.25E-07	1.31E-06	4.18E-03	6.59E-07	2.59E-07
5401	483077.95, 3853844.31	1.72E-02	2.72E-06	1.07E-06	1.86E-02	2.93E-06	9.02E-06	2.93E-02	4.62E-06	1.82E-06
5402	483121.38, 3853909.38	1.88E-02	2.97E-06	1.16E-06	2.04E-02	3.21E-06	9.89E-06	3.32E-02	5.23E-06	2.05E-06
5403	483492.64, 3853911.49	1.11E-02	1.75E-06	6.87E-07	1.20E-02	1.89E-06	5.83E-06	1.95E-02	3.08E-06	1.21E-06
5404	483498.29, 3854204.73	2.03E-02	3.20E-06	1.26E-06	2.21E-02	3.49E-06	1.07E-05	3.76E-02	5.92E-06	2.32E-06
5405	484132.44, 3854662.55	1.96E-02	3.09E-06	1.21E-06	2.12E-02	3.34E-06	1.03E-05	3.36E-02	5.30E-06	2.08E-06
5406	484627.62, 3854876.13	2.32E-02	3.66E-06	1.44E-06	2.50E-02	3.94E-06	1.21E-05	3.89E-02	6.13E-06	2.41E-06
5407	484756.14, 3854949.04	2.49E-02	3.92E-06	1.54E-06	2.68E-02	4.22E-06	1.30E-05	4.17E-02	6.56E-06	2.58E-06
5408	486697.51, 3856599.17	3.94E-02	6.21E-06	2.44E-06	4.26E-02	6.71E-06	2.07E-05	6.82E-02	1.07E-05	4.22E-06
5409	487105.31, 3856962.27	4.64E-02	7.30E-06	2.87E-06	5.01E-02	7.89E-06	2.43E-05	8.03E-02	1.27E-05	4.97E-06
5410	487157.57, 3856901.7	4.22E-02	6.65E-06	2.61E-06	4.56E-02	7.19E-06	2.21E-05	7.31E-02	1.15E-05	4.52E-06
5411	487173.5, 3856853.74	4.00E-02	6.30E-06	2.48E-06	4.32E-02	6.81E-06	2.10E-05	6.92E-02	1.09E-05	4.28E-06
5412	487564.41, 3856860.83	3.29E-02	5.19E-06	2.04E-06	3.56E-02	5.60E-06	1.73E-05	5.69E-02	8.97E-06	3.52E-06
5413	487563.31, 3856931.58	3.47E-02	5.47E-06	2.15E-06	3.75E-02	5.91E-06	1.82E-05	6.01E-02	9.46E-06	3.72E-06
5414	487782.7, 3856926.85	3.12E-02	4.92E-06	1.93E-06	3.37E-02	5.32E-06	1.64E-05	5.40E-02	8.51E-06	3.34E-06
5415	487782.39, 3856757.07	2.80E-02	4.41E-06	1.73E-06	3.03E-02	4.77E-06	1.47E-05	4.84E-02	7.62E-06	2.99E-06
5416	487917.26, 3856752.41	2.66E-02	4.19E-06	1.65E-06	2.88E-02	4.53E-06	1.39E-05	4.60E-02	7.24E-06	2.84E-06
5417	487919.57, 3856953.35	2.99E-02	4.71E-06	1.85E-06	3.23E-02	5.09E-06	1.57E-05	5.18E-02	8.16E-06	3.20E-06
5418	487932.76, 3857000.32	3.05E-02	4.81E-06	1.89E-06	3.30E-02	5.20E-06	1.60E-05	5.28E-02	8.32E-06	3.27E-06
5419	487960.5, 3857044.75	3.09E-02	4.87E-06	1.91E-06	3.34E-02	5.26E-06	1.62E-05	5.35E-02	8.43E-06	3.31E-06
5420	488016.54, 3857089.54	3.09E-02	4.86E-06	1.91E-06	3.34E-02	5.26E-06	1.62E-05	5.35E-02	8.43E-06	3.31E-06
5421	488114.39, 3857165.47	3.09E-02	4.87E-06	1.91E-06	3.34E-02	5.26E-06	1.62E-05	5.36E-02	8.45E-06	3.32E-06
5422	488171.49, 3857234.24	3.11E-02	4.91E-06	1.93E-06	3.37E-02	5.30E-06	1.63E-05	5.41E-02	8.52E-06	3.35E-06
5423	488193.16, 3857297.8	3.18E-02	5.01E-06	1.97E-06	3.44E-02	5.42E-06	1.67E-05	5.53E-02	8.71E-06	3.42E-06
5424	488189.27, 3857649.94	3.78E-02	5.95E-06	2.34E-06	4.09E-02	6.44E-06	1.98E-05	6.59E-02	1.04E-05	4.08E-06
5425	488127.43, 3857732.32	4.13E-02	6.51E-06	2.56E-06	4.47E-02	7.05E-06	2.17E-05	7.23E-02	1.14E-05	4.47E-06
5426	488149.93, 3857752.94	4.10E-02	6.47E-06	2.54E-06	4.44E-02	7.00E-06	2.16E-05	7.18E-02	1.13E-05	4.44E-06
5427	488144.76, 3857758.71	4.13E-02	6.51E-06	2.56E-06	4.48E-02	7.05E-06	2.17E-05	7.24E-02	1.14E-05	4.48E-06
5428	488335.58, 3857932.55	3.79E-02	5.98E-06	2.35E-06	4.11E-02	6.47E-06	1.99E-05	6.63E-02	1.05E-05	4.11E-06
5429	488372.29, 3857943.79	3.69E-02	5.82E-06	2.29E-06	4.00E-02	6.30E-06	1.94E-05	6.46E-02	1.02E-05	4.00E-06
5430	488828.64, 3857936.4	2.69E-02	4.24E-06	1.67E-06	2.91E-02	4.59E-06	1.41E-05	4.69E-02	7.38E-06	2.90E-06
5431	488829.08, 3857959.58	2.70E-02	4.25E-06	1.67E-06	2.92E-02	4.59E-06	1.42E-05	4.69E-02	7.39E-06	2.91E-06
5432	488351.61, 3857964.55	3.78E-02	5.96E-06	2.34E-06	4.09E-02	6.45E-06	1.99E-05	6.62E-02	1.04E-05	4.10E-06
5433	488316.87, 3857947.65	3.87E-02	6.10E-06	2.40E-06	4.19E-02	6.61E-06	2.03E-05	6.78E-02	1.07E-05	4.20E-06
5434	488129.1, 3857775.77	4.23E-02	6.66E-06	2.62E-06	4.58E-02	7.21E-06	2.22E-05	7.41E-02	1.17E-05	4.58E-06
5435	488062.53, 3857846.13	4.67E-02	7.36E-06	2.89E-06	5.06E-02	7.97E-06	2.45E-05	8.22E-02	1.29E-05	5.08E-06
5436	488330.41, 3858091.34	4.07E-02	6.41E-06	2.52E-06	4.41E-02	6.94E-06	2.14E-05	7.15E-02	1.13E-05	4.42E-06

5437	488470.87, 3858174.45	3.62E-02	5.70E-06	2.24E-06	3.91E-02	6.17E-06	1.90E-05	6.32E-02	9.96E-06	3.91E-06
5438	488568.9, 3858262.31	3.20E-02	5.04E-06	1.98E-06	3.46E-02	5.45E-06	1.68E-05	5.56E-02	8.75E-06	3.44E-06
5439	488964.27, 3858025.71	2.48E-02	3.91E-06	1.54E-06	2.68E-02	4.23E-06	1.30E-05	4.32E-02	6.80E-06	2.67E-06
5440	489147.25, 3857956.64	2.26E-02	3.56E-06	1.40E-06	2.44E-02	3.85E-06	1.18E-05	3.93E-02	6.19E-06	2.43E-06
5441	489343.52, 3857932.45	2.05E-02	3.23E-06	1.27E-06	2.22E-02	3.49E-06	1.08E-05	3.57E-02	5.62E-06	2.21E-06
5442	489866.19, 3857923.19	1.62E-02	2.56E-06	1.00E-06	1.75E-02	2.76E-06	8.51E-06	2.82E-02	4.44E-06	1.74E-06
5443	489955.65, 3857902.27	1.57E-02	2.47E-06	9.71E-07	1.70E-02	2.67E-06	8.23E-06	2.72E-02	4.29E-06	1.69E-06
5444	490079.44, 3857847.9	1.51E-02	2.38E-06	9.34E-07	1.63E-02	2.57E-06	7.92E-06	2.62E-02	4.13E-06	1.62E-06
5445	490108.49, 3857934.13	1.47E-02	2.31E-06	9.09E-07	1.59E-02	2.50E-06	7.71E-06	2.55E-02	4.01E-06	1.58E-06
5446	489884.48, 3858014.17	1.58E-02	2.49E-06	9.77E-07	1.71E-02	2.69E-06	8.28E-06	2.74E-02	4.32E-06	1.70E-06
5447	489326.56, 3858025.86	2.04E-02	3.21E-06	1.26E-06	2.20E-02	3.47E-06	1.07E-05	3.54E-02	5.58E-06	2.19E-06
5448	489130.38, 3858056.71	2.25E-02	3.55E-06	1.39E-06	2.43E-02	3.83E-06	1.18E-05	3.92E-02	6.17E-06	2.42E-06
5449	488936.49, 3858143.93	2.48E-02	3.90E-06	1.53E-06	2.68E-02	4.22E-06	1.30E-05	4.30E-02	6.78E-06	2.66E-06
5450	488638.08, 3858327.45	2.88E-02	4.53E-06	1.78E-06	3.11E-02	4.89E-06	1.51E-05	4.96E-02	7.82E-06	3.07E-06
5451	488663.79, 3858349.57	2.76E-02	4.34E-06	1.71E-06	2.98E-02	4.69E-06	1.44E-05	4.74E-02	7.47E-06	2.94E-06
5452	488694.56, 3858349.5	2.68E-02	4.22E-06	1.66E-06	2.90E-02	4.56E-06	1.40E-05	4.61E-02	7.27E-06	2.85E-06
5453	488694.35, 3858336.75	2.71E-02	4.27E-06	1.68E-06	2.93E-02	4.61E-06	1.42E-05	4.67E-02	7.36E-06	2.89E-06
5454	488712.81, 3858336.38	2.67E-02	4.20E-06	1.65E-06	2.88E-02	4.54E-06	1.40E-05	4.60E-02	7.24E-06	2.84E-06
5455	488713.23, 3858367.46	2.59E-02	4.09E-06	1.61E-06	2.80E-02	4.41E-06	1.36E-05	4.45E-02	7.01E-06	2.75E-06
5456	488704.63, 3858384.05	2.57E-02	4.05E-06	1.59E-06	2.77E-02	4.37E-06	1.35E-05	4.40E-02	6.93E-06	2.72E-06
5457	488604.15, 3858488.29	2.48E-02	3.91E-06	1.54E-06	2.67E-02	4.20E-06	1.29E-05	4.10E-02	6.46E-06	2.54E-06
5458	488605.66, 3858550.47	2.31E-02	3.64E-06	1.43E-06	2.47E-02	3.90E-06	1.20E-05	3.68E-02	5.80E-06	2.28E-06
5459	488692.68, 3858548.71	2.16E-02	3.40E-06	1.34E-06	2.31E-02	3.64E-06	1.12E-05	3.48E-02	5.48E-06	2.15E-06
5460	488759.93, 3858461.81	2.26E-02	3.56E-06	1.40E-06	2.43E-02	3.83E-06	1.18E-05	3.79E-02	5.98E-06	2.35E-06
5461	488816.57, 3858541.79	2.00E-02	3.14E-06	1.24E-06	2.14E-02	3.38E-06	1.04E-05	3.27E-02	5.14E-06	2.02E-06
5462	488944.63, 3858656.77	1.69E-02	2.66E-06	1.04E-06	1.80E-02	2.84E-06	8.75E-06	2.66E-02	4.19E-06	1.65E-06
5463	489134.91, 3858830.7	1.33E-02	2.09E-06	8.21E-07	1.41E-02	2.23E-06	6.86E-06	2.03E-02	3.20E-06	1.26E-06
5464	489193.99, 3858886.05	1.17E-02	1.84E-06	7.23E-07	1.25E-02	1.96E-06	6.05E-06	1.82E-02	2.87E-06	1.13E-06
5465	489295.2, 3858954.34	9.89E-03	1.56E-06	6.12E-07	1.06E-02	1.67E-06	5.14E-06	1.58E-02	2.49E-06	9.78E-07
5466	489295.64, 3858992.74	9.25E-03	1.46E-06	5.73E-07	9.91E-03	1.56E-06	4.81E-06	1.49E-02	2.34E-06	9.19E-07
5467	489183.74, 3858911.72	1.12E-02	1.77E-06	6.95E-07	1.20E-02	1.89E-06	5.82E-06	1.75E-02	2.76E-06	1.08E-06
5468	488873.37, 3858625.59	1.80E-02	2.83E-06	1.11E-06	1.92E-02	3.03E-06	9.33E-06	2.85E-02	4.49E-06	1.76E-06
5469	488842.84, 3858658.69	1.80E-02	2.84E-06	1.12E-06	1.92E-02	3.03E-06	9.33E-06	2.79E-02	4.39E-06	1.73E-06
5470	488856.39, 3858670.93	1.78E-02	2.80E-06	1.10E-06	1.90E-02	2.99E-06	9.20E-06	2.74E-02	4.32E-06	1.70E-06
5471	488805.7, 3858724.5	1.88E-02	2.96E-06	1.16E-06	1.99E-02	3.13E-06	9.65E-06	2.74E-02	4.31E-06	1.69E-06
5472	488805.87, 3858804.16	2.16E-02	3.41E-06	1.34E-06	2.27E-02	3.58E-06	1.10E-05	2.88E-02	4.54E-06	1.78E-06
5473	488995.78, 3858936.96	1.21E-02	1.91E-06	7.50E-07	1.29E-02	2.03E-06	6.24E-06	1.80E-02	2.84E-06	1.12E-06
5474	489130.76, 3859017.38	9.09E-03	1.43E-06	5.62E-07	9.72E-03	1.53E-06	4.72E-06	1.44E-02	2.28E-06	8.94E-07
5475	489130.92, 3859052.24	8.41E-03	1.32E-06	5.20E-07	9.01E-03	1.42E-06	4.37E-06	1.35E-02	2.13E-06	8.37E-07
5476	489200.33, 3859090.6	7.80E-03	1.23E-06	4.82E-07	8.36E-03	1.32E-06	4.06E-06	1.27E-02	2.00E-06	7.84E-07
5477	489296.07, 3859143.7	7.14E-03	1.12E-06	4.42E-07	7.66E-03	1.21E-06	3.72E-06	1.17E-02	1.85E-06	7.26E-07
5478	489296.43, 3858954.74	9.88E-03	1.56E-06	6.11E-07	1.06E-02	1.67E-06	5.13E-06	1.58E-02	2.49E-06	9.77E-07
5479	489410.33, 3859033.19	8.48E-03	1.34E-06	5.25E-07	9.09E-03	1.43E-06	4.41E-06	1.38E-02	2.18E-06	8.55E-07
5480	489371.37, 3859089.8	7.79E-03	1.23E-06	4.82E-07	8.36E-03	1.32E-06	4.06E-06	1.27E-02	2.01E-06	7.88E-07
5481	489390.52, 3859102.82	7.62E-03	1.20E-06	4.72E-07	8.19E-03	1.29E-06	3.97E-06	1.25E-02	1.97E-06	7.74E-07
5482	489382.3, 3859114.53	7.49E-03	1.18E-06	4.64E-07	8.04E-03	1.27E-06	3.90E-06	1.23E-02	1.94E-06	7.61E-07
5483	489363.04, 3859102.45	7.64E-03	1.20E-06	4.73E-07	8.20E-03	1.29E-06	3.98E-06	1.25E-02	1.97E-06	7.74E-07
5484	489337.52, 3859140.71	7.18E-03	1.13E-06	4.45E-07	7.72E-03	1.22E-06	3.74E-06	1.18E-02	1.86E-06	7.31E-07
5485	489375.14, 3859164.55	6.93E-03	1.09E-06	4.29E-07	7.45E-03	1.17E-06	3.62E-06	1.14E-02	1.80E-06	7.08E-07
5486	489409.3, 3859114.5	7.49E-03	1.18E-06	4.63E-07	8.04E-03	1.27E-06	3.90E-06	1.23E-02	1.94E-06	7.61E-07
5487	489434.87, 3859131.81	7.29E-03	1.15E-06	4.51E-07	7.83E-03	1.23E-06	3.80E-06	1.20E-02	1.89E-06	7.43E-07
5488	489471.87, 3859075.75	7.90E-03	1.24E-06	4.89E-07	8.48E-03	1.34E-06	4.12E-06	1.30E-02	2.04E-06	8.03E-07
5489	489602.62, 3859164.69	6.94E-03	1.09E-06	4.30E-07	7.47E-03	1.18E-06	3.62E-06	1.15E-02	1.82E-06	7.13E-07
5490	489558.29, 3859232.45	6.36E-03	1.00E-06	3.93E-07	6.84E-03	1.08E-06	3.32E-06	1.06E-02	1.67E-06	6.54E-07
5491	489620.11, 3859273.56	6.04E-03	9.52E-07	3.74E-07	6.50E-03	1.02E-06	3.15E-06	1.01E-02	1.59E-06	6.24E-07
5492	489666.06, 3859206.42	6.58E-03	1.04E-06	4.07E-07	7.07E-03	1.11E-06	3.43E-06	1.10E-02	1.73E-06	6.78E-07
5493	489787.9, 3859285.65	5.98E-03	9.43E-07	3.70E-07	6.44E-03	1.01E-06	3.13E-06	1.00E-02	1.58E-06	6.20E-07
5494	489752.17, 3859343.13	5.59E-03	8.81E-07	3.46E-07	6.02E-03	9.48E-07	2.92E-06	9.37E-03	1.48E-06	5.80E-07
5495	489814.94, 3859385.33	5.35E-03	8.42E-07	3.31E-07	5.76E-03	9.07E-07	2.79E-06	8.98E-03	1.41E-06	5.56E-07
5496	489853.42, 3859330.74	5.69E-03	8.97E-07	3.52E-07	6.13E-03	9.66E-07	2.97E-06	9.56E-03	1.51E-06	5.91E-07
5497	489969.5, 3859401.91	5.29E-03	8.33E-07	3.27E-07	5.70E-03	8.98E-07	2.76E-06	8.90E-03	1.40E-06	5.51E-07
5498	490166.91, 3859486.96	4.88E-03	7.68E-07	3.02E-07	5.25E-03	8.28E-07	2.55E-06	8.23E-03	1.30E-06	5.10E-07
5499	490128.86, 3859571.46	4.47E-03	7.04E-07	2.77E-07	4.82E-03	7.59E-07	2.34E-06	7.55E-03	1.19E-06	4.68E-07
5500	490186.65, 3859593.65	4.39E-03	6.92E-07	2.72E-07	4.74E-03	7.46E-07	2.30E-06	7.43E-03	1.17E-06	4.60E-07

5501 490223.74, 3859517.48	4.74E-03	7.47E-07	2.94E-07	5.11E-03	8.05E-07	2.48E-06	8.02E-03	1.26E-06	4.96E-07
5502 490846.34, 3859817.22	3.79E-03	5.97E-07	2.34E-07	4.08E-03	6.43E-07	1.98E-06	6.44E-03	1.01E-06	3.99E-07
5503 490925.65, 3859844.59	3.72E-03	5.86E-07	2.30E-07	4.01E-03	6.32E-07	1.95E-06	6.34E-03	9.98E-07	3.92E-07
5504 491159.29, 3859896.28	3.59E-03	5.66E-07	2.22E-07	3.87E-03	6.10E-07	1.88E-06	6.12E-03	9.65E-07	3.79E-07
5505 491370.69, 3859960.89	3.42E-03	5.39E-07	2.12E-07	3.69E-03	5.81E-07	1.79E-06	5.83E-03	9.19E-07	3.61E-07
5506 491330.28, 3860063.17	3.16E-03	4.98E-07	1.96E-07	3.41E-03	5.37E-07	1.65E-06	5.39E-03	8.49E-07	3.33E-07
5507 491636.45, 3860180.75	2.96E-03	4.66E-07	1.83E-07	3.19E-03	5.03E-07	1.55E-06	5.05E-03	7.96E-07	3.13E-07
5508 491617.94, 3860203.93	2.91E-03	4.58E-07	1.80E-07	3.14E-03	4.94E-07	1.52E-06	4.96E-03	7.82E-07	3.07E-07
5509 491805.68, 3860271.59	2.80E-03	4.42E-07	1.74E-07	3.03E-03	4.77E-07	1.47E-06	4.79E-03	7.54E-07	2.96E-07
5510 491654.23, 3860414.02	2.53E-03	3.99E-07	1.57E-07	2.73E-03	4.30E-07	1.32E-06	4.32E-03	6.80E-07	2.67E-07
5511 491592.62, 3860510.76	2.34E-03	3.69E-07	1.45E-07	2.53E-03	3.98E-07	1.23E-06	4.00E-03	6.29E-07	2.47E-07
5512 491475.41, 3860368.93	2.55E-03	4.01E-07	1.58E-07	2.75E-03	4.33E-07	1.33E-06	4.34E-03	6.83E-07	2.68E-07
5513 491445.61, 3860337.28	2.59E-03	4.09E-07	1.61E-07	2.80E-03	4.41E-07	1.36E-06	4.42E-03	6.97E-07	2.74E-07
5514 491399.05, 3860300.37	2.66E-03	4.19E-07	1.64E-07	2.87E-03	4.52E-07	1.39E-06	4.53E-03	7.13E-07	2.80E-07
5515 491228.84, 3860235.98	2.74E-03	4.32E-07	1.70E-07	2.96E-03	4.66E-07	1.44E-06	4.67E-03	7.36E-07	2.89E-07
5516 491228.47, 3860174.57	2.88E-03	4.53E-07	1.78E-07	3.10E-03	4.89E-07	1.51E-06	4.90E-03	7.72E-07	3.03E-07
5517 491145.77, 3860112.55	3.01E-03	4.74E-07	1.86E-07	3.25E-03	5.11E-07	1.57E-06	5.12E-03	8.07E-07	3.17E-07
5518 490844.41, 3859966.22	3.34E-03	5.26E-07	2.07E-07	3.60E-03	5.67E-07	1.75E-06	5.68E-03	8.94E-07	3.51E-07
5519 490845.55, 3859928.15	3.45E-03	5.43E-07	2.13E-07	3.72E-03	5.85E-07	1.80E-06	5.86E-03	9.23E-07	3.63E-07
5520 490046.91, 3859625.6	4.21E-03	6.64E-07	2.61E-07	4.54E-03	7.15E-07	2.20E-06	7.12E-03	1.12E-06	4.41E-07
5521 489970.48, 3859589.4	4.34E-03	6.84E-07	2.69E-07	4.68E-03	7.38E-07	2.27E-06	7.34E-03	1.16E-06	4.54E-07
5522 489865.89, 3859529.06	4.59E-03	7.23E-07	2.84E-07	4.94E-03	7.79E-07	2.40E-06	7.74E-03	1.22E-06	4.79E-07
5523 489826.89, 3859531.74	4.56E-03	7.19E-07	2.82E-07	4.92E-03	7.74E-07	2.39E-06	7.70E-03	1.21E-06	4.77E-07
5524 489410.47, 3859303.06	5.72E-03	9.02E-07	3.54E-07	6.16E-03	9.70E-07	2.99E-06	9.57E-03	1.51E-06	5.92E-07
5525 489407.15, 3859286.09	5.85E-03	9.21E-07	3.62E-07	6.29E-03	9.91E-07	3.05E-06	9.76E-03	1.54E-06	6.04E-07
5526 488806.07, 3858963.62	1.07E-02	1.68E-06	6.61E-07	1.14E-02	1.79E-06	5.52E-06	1.63E-02	2.57E-06	1.01E-06
5527 488817.64, 3859546.3	4.72E-03	7.43E-07	2.92E-07	5.08E-03	8.00E-07	2.46E-06	7.94E-03	1.25E-06	4.91E-07
5528 489187.25, 3859549.52	4.64E-03	7.31E-07	2.87E-07	5.00E-03	7.88E-07	2.43E-06	7.82E-03	1.23E-06	4.84E-07
5529 489187.66, 3859523.74	4.73E-03	7.45E-07	2.93E-07	5.10E-03	8.03E-07	2.47E-06	7.97E-03	1.26E-06	4.93E-07
5530 489232.59, 3859522.85	4.72E-03	7.43E-07	2.92E-07	5.08E-03	8.01E-07	2.47E-06	7.95E-03	1.25E-06	4.92E-07
5531 489224.98, 3859759.91	3.99E-03	6.28E-07	2.47E-07	4.30E-03	6.77E-07	2.08E-06	6.75E-03	1.06E-06	4.17E-07
5532 488401.39, 3859763.34	3.82E-03	6.01E-07	2.36E-07	4.11E-03	6.48E-07	1.99E-06	6.42E-03	1.01E-06	3.97E-07
5533 488405.51, 3859966.16	3.31E-03	5.21E-07	2.05E-07	3.56E-03	5.61E-07	1.73E-06	5.57E-03	8.77E-07	3.45E-07
5534 489202.85, 3859956.57	3.50E-03	5.52E-07	2.17E-07	3.78E-03	5.95E-07	1.83E-06	5.94E-03	9.36E-07	3.68E-07
5535 489191.9, 3860676.74	2.27E-03	3.58E-07	1.41E-07	2.45E-03	3.86E-07	1.19E-06	3.85E-03	6.06E-07	2.38E-07
5536 488392.82, 3860687.88	2.20E-03	3.46E-07	1.36E-07	2.37E-03	3.73E-07	1.15E-06	3.71E-03	5.85E-07	2.30E-07
5537 488392.82, 3860760.27	2.13E-03	3.36E-07	1.32E-07	2.30E-03	3.62E-07	1.12E-06	3.61E-03	5.68E-07	2.23E-07
5538 487549.05, 3860777.45	2.04E-03	3.21E-07	1.26E-07	2.20E-03	3.46E-07	1.07E-06	3.43E-03	5.40E-07	2.12E-07
5539 487554.62, 3859571.83	4.17E-03	6.57E-07	2.58E-07	4.49E-03	7.07E-07	2.18E-06	6.99E-03	1.10E-06	4.33E-07
5540 485949.46, 3859558.54	3.67E-03	5.79E-07	2.27E-07	3.96E-03	6.23E-07	1.92E-06	6.19E-03	9.75E-07	3.83E-07
5541 485947.55, 3857943.61	1.35E-02	2.13E-06	8.35E-07	1.45E-02	2.29E-06	7.05E-06	2.27E-02	3.57E-06	1.40E-06
5542 484738.38, 3857940.21	7.46E-03	1.18E-06	4.62E-07	8.04E-03	1.27E-06	3.90E-06	1.26E-02	1.98E-06	7.79E-07
5543 484737.06, 3857535.68	9.62E-03	1.52E-06	5.95E-07	1.04E-02	1.63E-06	5.03E-06	1.62E-02	2.55E-06	1.00E-06
5544 483730.2, 3857530.13	6.41E-03	1.01E-06	3.97E-07	6.91E-03	1.09E-06	3.35E-06	1.08E-02	1.71E-06	6.71E-07
5545 483727.27, 3857130.01	7.79E-03	1.23E-06	4.82E-07	8.39E-03	1.32E-06	4.07E-06	1.32E-02	2.07E-06	8.14E-07
5546 483124.42, 3857123.45	6.13E-03	9.66E-07	3.80E-07	6.61E-03	1.04E-06	3.21E-06	1.04E-02	1.64E-06	6.43E-07
5547 483111.13, 3855921.03	1.05E-02	1.65E-06	6.48E-07	1.13E-02	1.78E-06	5.48E-06	1.78E-02	2.80E-06	1.10E-06
5548 482701.73, 3855918.24	8.20E-03	1.29E-06	5.08E-07	8.85E-03	1.39E-06	4.29E-06	1.40E-02	2.20E-06	8.66E-07
5549 482668.02, 3853521.78	5.39E-03	8.49E-07	3.34E-07	5.75E-03	9.06E-07	2.79E-06	8.35E-03	1.32E-06	5.17E-07
5550 482579.91, 3853219.19	3.05E-03	4.80E-07	1.89E-07	3.27E-03	5.16E-07	1.59E-06	5.05E-03	7.95E-07	3.12E-07
5551 482434.06, 3852961.94	2.39E-03	3.76E-07	1.48E-07	2.57E-03	4.05E-07	1.25E-06	4.00E-03	6.30E-07	2.48E-07
5552 482332.11, 3852832.85	2.18E-03	3.43E-07	1.35E-07	2.35E-03	3.69E-07	1.14E-06	3.66E-03	5.76E-07	2.26E-07
5553 481334.99, 3851818.96	1.30E-03	2.05E-07	8.05E-08	1.40E-03	2.21E-07	6.80E-07	2.20E-03	3.46E-07	1.36E-07
5554 481127.62, 3851646.36	1.22E-03	1.92E-07	7.54E-08	1.31E-03	2.07E-07	6.37E-07	2.06E-03	3.24E-07	1.27E-07
5555 481025.04, 3851591.73	1.20E-03	1.89E-07	7.42E-08	1.29E-03	2.03E-07	6.27E-07	2.03E-03	3.19E-07	1.25E-07
5556 480513.6, 3851335.76	1.11E-03	1.75E-07	6.86E-08	1.20E-03	1.88E-07	5.80E-07	1.89E-03	2.97E-07	1.17E-07
5557 480523.56, 3851317.66	1.10E-03	1.74E-07	6.82E-08	1.19E-03	1.87E-07	5.76E-07	1.87E-03	2.95E-07	1.16E-07
5558 476921.56, 3849569.11	3.89E-04	6.12E-08	2.41E-08	4.19E-04	6.60E-08	2.03E-07	6.58E-04	1.04E-07	4.07E-08
5559 476521.19, 3849373.96	3.68E-04	5.80E-08	2.28E-08	3.97E-04	6.26E-08	1.93E-07	6.25E-04	9.84E-08	3.87E-08
5560 476391.45, 3849333.38	3.67E-04	5.79E-08	2.27E-08	3.96E-04	6.24E-08	1.92E-07	6.23E-04	9.82E-08	3.86E-08
5561 476219.41, 3849304.29	3.69E-04	5.82E-08	2.28E-08	3.98E-04	6.27E-08	1.93E-07	6.26E-04	9.86E-08	3.87E-08
5562 475679.11, 3849218.47	3.61E-04	5.69E-08	2.24E-08	3.90E-04	6.14E-08	1.89E-07	6.14E-04	9.67E-08	3.80E-08
5563 475677.71, 3849233.88	3.64E-04	5.74E-08	2.25E-08	3.93E-04	6.18E-08	1.90E-07	6.19E-04	9.75E-08	3.83E-08
5564 475492.74, 3849204.66	3.21E-04	5.06E-08	1.99E-08	3.46E-04	5.45E-08	1.68E-07	5.47E-04	8.61E-08	3.38E-08

5565	475497.64, 3849158.75	3.33E-04	5.24E-08	2.06E-08	3.59E-04	5.65E-08	1.74E-07	5.66E-04	8.92E-08	3.50E-08
5566	475391.35, 3849141.94	3.46E-04	5.45E-08	2.14E-08	3.73E-04	5.87E-08	1.81E-07	5.88E-04	9.27E-08	3.64E-08
5567	475277, 3849095.47	3.46E-04	5.45E-08	2.14E-08	3.73E-04	5.88E-08	1.81E-07	5.89E-04	9.27E-08	3.64E-08
5568	475183.93, 3849025.66	3.39E-04	5.35E-08	2.10E-08	3.66E-04	5.77E-08	1.78E-07	5.78E-04	9.10E-08	3.57E-08
5569	474453.23, 3848378.77	2.93E-04	4.62E-08	1.81E-08	3.16E-04	4.98E-08	1.53E-07	4.99E-04	7.85E-08	3.09E-08
5570	474569.63, 3848399.34	2.90E-04	4.56E-08	1.79E-08	3.12E-04	4.92E-08	1.52E-07	4.93E-04	7.76E-08	3.05E-08
5571	474644.33, 3848464.52	2.95E-04	4.64E-08	1.82E-08	3.18E-04	5.01E-08	1.54E-07	5.01E-04	7.90E-08	3.10E-08
5572	474719.04, 3848529.7	2.99E-04	4.72E-08	1.85E-08	3.23E-04	5.09E-08	1.57E-07	5.09E-04	8.02E-08	3.15E-08
5573	474793.74, 3848594.88	3.01E-04	4.75E-08	1.87E-08	3.25E-04	5.12E-08	1.58E-07	5.13E-04	8.08E-08	3.17E-08
5574	474868.45, 3848660.07	3.01E-04	4.75E-08	1.87E-08	3.25E-04	5.12E-08	1.58E-07	5.13E-04	8.08E-08	3.17E-08
5575	474943.15, 3848725.25	3.04E-04	4.79E-08	1.88E-08	3.28E-04	5.16E-08	1.59E-07	5.17E-04	8.14E-08	3.20E-08
5576	475017.86, 3848790.43	3.10E-04	4.89E-08	1.92E-08	3.34E-04	5.27E-08	1.62E-07	5.28E-04	8.31E-08	3.27E-08
5577	475092.56, 3848855.61	3.18E-04	5.01E-08	1.97E-08	3.43E-04	5.40E-08	1.66E-07	5.41E-04	8.52E-08	3.35E-08
5578	475232.58, 3848959.38	3.28E-04	5.17E-08	2.03E-08	3.54E-04	5.58E-08	1.72E-07	5.59E-04	8.80E-08	3.46E-08
5579	475368.47, 3849029.98	3.31E-04	5.22E-08	2.05E-08	3.57E-04	5.63E-08	1.73E-07	5.64E-04	8.88E-08	3.49E-08
5580	475609.57, 3849096.09	3.30E-04	5.20E-08	2.04E-08	3.56E-04	5.61E-08	1.73E-07	5.61E-04	8.85E-08	3.47E-08
5581	475680.68, 3849116.62	3.39E-04	5.33E-08	2.09E-08	3.65E-04	5.75E-08	1.77E-07	5.76E-04	9.07E-08	3.56E-08
5582	475843.76, 3849151.52	3.46E-04	5.44E-08	2.14E-08	3.73E-04	5.87E-08	1.81E-07	5.87E-04	9.25E-08	3.63E-08
5583	475935.73, 3849165.89	3.53E-04	5.56E-08	2.18E-08	3.81E-04	6.00E-08	1.85E-07	5.99E-04	9.44E-08	3.71E-08
5584	476027.71, 3849180.27	3.57E-04	5.63E-08	2.21E-08	3.85E-04	6.07E-08	1.87E-07	6.06E-04	9.55E-08	3.75E-08
5585	476119.68, 3849194.64	3.50E-04	5.52E-08	2.17E-08	3.78E-04	5.95E-08	1.83E-07	5.95E-04	9.37E-08	3.68E-08
5586	476211.65, 3849209.01	3.48E-04	5.49E-08	2.16E-08	3.76E-04	5.92E-08	1.82E-07	5.91E-04	9.32E-08	3.66E-08
5587	476497.81, 3849283.9	3.50E-04	5.51E-08	2.16E-08	3.77E-04	5.94E-08	1.83E-07	5.94E-04	9.35E-08	3.67E-08
5588	476603.73, 3849323.77	3.54E-04	5.58E-08	2.19E-08	3.82E-04	6.01E-08	1.85E-07	6.00E-04	9.46E-08	3.72E-08
5589	476728.99, 3849382.76	3.60E-04	5.66E-08	2.23E-08	3.88E-04	6.11E-08	1.88E-07	6.10E-04	9.60E-08	3.77E-08
5590	476801.27, 3849418.65	3.64E-04	5.73E-08	2.25E-08	3.92E-04	6.18E-08	1.90E-07	6.16E-04	9.71E-08	3.81E-08
5591	476956.2, 3849495.05	3.73E-04	5.87E-08	2.31E-08	4.01E-04	6.32E-08	1.95E-07	6.31E-04	9.94E-08	3.90E-08
5592	477038.84, 3849535.56	3.75E-04	5.91E-08	2.32E-08	4.04E-04	6.37E-08	1.96E-07	6.35E-04	1.00E-07	3.93E-08
5593	477121.49, 3849576.08	3.80E-04	5.99E-08	2.35E-08	4.10E-04	6.45E-08	1.99E-07	6.44E-04	1.01E-07	3.98E-08
5594	477204.13, 3849616.6	3.84E-04	6.04E-08	2.37E-08	4.13E-04	6.51E-08	2.01E-07	6.49E-04	1.02E-07	4.02E-08
5595	477286.78, 3849657.12	3.81E-04	6.00E-08	2.36E-08	4.10E-04	6.47E-08	1.99E-07	6.45E-04	1.02E-07	3.99E-08
5596	477369.42, 3849697.63	3.94E-04	6.21E-08	2.44E-08	4.25E-04	6.70E-08	2.06E-07	6.67E-04	1.05E-07	4.13E-08
5597	477452.07, 3849738.15	3.99E-04	6.28E-08	2.47E-08	4.30E-04	6.77E-08	2.09E-07	6.75E-04	1.06E-07	4.18E-08
5598	477534.71, 3849778.67	4.11E-04	6.47E-08	2.54E-08	4.43E-04	6.98E-08	2.15E-07	6.95E-04	1.09E-07	4.30E-08
5599	477617.36, 3849819.18	4.17E-04	6.57E-08	2.58E-08	4.49E-04	7.08E-08	2.18E-07	7.05E-04	1.11E-07	4.36E-08
5600	477824.74, 3849896.37	4.41E-04	6.94E-08	2.73E-08	4.75E-04	7.48E-08	2.30E-07	7.45E-04	1.17E-07	4.61E-08
5601	477906.31, 3849936.37	4.40E-04	6.94E-08	2.73E-08	4.75E-04	7.48E-08	2.30E-07	7.45E-04	1.17E-07	4.61E-08
5602	477987.89, 3849976.36	4.55E-04	7.17E-08	2.82E-08	4.90E-04	7.72E-08	2.38E-07	7.70E-04	1.21E-07	4.76E-08
5603	478069.47, 3850016.36	4.60E-04	7.24E-08	2.85E-08	4.95E-04	7.81E-08	2.40E-07	7.78E-04	1.23E-07	4.82E-08
5604	478151.04, 3850056.35	4.66E-04	7.34E-08	2.88E-08	5.02E-04	7.91E-08	2.44E-07	7.89E-04	1.24E-07	4.88E-08
5605	478232.62, 3850096.35	4.80E-04	7.57E-08	2.97E-08	5.18E-04	8.15E-08	2.51E-07	8.14E-04	1.28E-07	5.04E-08
5606	478314.2, 3850136.34	4.97E-04	7.83E-08	3.07E-08	5.36E-04	8.44E-08	2.60E-07	8.42E-04	1.33E-07	5.21E-08
5607	478395.77, 3850176.34	5.15E-04	8.11E-08	3.19E-08	5.55E-04	8.74E-08	2.69E-07	8.73E-04	1.38E-07	5.40E-08
5608	478575.43, 3850244.45	5.63E-04	8.87E-08	3.49E-08	6.07E-04	9.56E-08	2.95E-07	9.56E-04	1.51E-07	5.92E-08
5609	478665.06, 3850287.29	5.88E-04	9.26E-08	3.64E-08	6.34E-04	9.99E-08	3.08E-07	9.98E-04	1.57E-07	6.18E-08
5610	478754.69, 3850330.14	6.15E-04	9.69E-08	3.81E-08	6.63E-04	1.04E-07	3.22E-07	1.04E-03	1.65E-07	6.47E-08
5611	478844.32, 3850372.99	6.44E-04	1.02E-07	3.99E-08	6.95E-04	1.09E-07	3.37E-07	1.09E-03	1.72E-07	6.78E-08
5612	478933.95, 3850415.84	6.75E-04	1.06E-07	4.18E-08	7.28E-04	1.15E-07	3.53E-07	1.15E-03	1.81E-07	7.10E-08
5613	479023.58, 3850458.68	6.99E-04	1.10E-07	4.33E-08	7.54E-04	1.19E-07	3.66E-07	1.19E-03	1.87E-07	7.36E-08
5614	479110.66, 3850441.91	7.37E-04	1.16E-07	4.56E-08	7.94E-04	1.25E-07	3.85E-07	1.25E-03	1.98E-07	7.76E-08
5615	479191.22, 3850423.99	7.64E-04	1.20E-07	4.73E-08	8.24E-04	1.30E-07	4.00E-07	1.30E-03	2.05E-07	8.06E-08
5616	479274.32, 3850465.71	7.84E-04	1.24E-07	4.86E-08	8.46E-04	1.33E-07	4.11E-07	1.34E-03	2.11E-07	8.28E-08
5617	479357.43, 3850507.42	8.01E-04	1.26E-07	4.96E-08	8.65E-04	1.36E-07	4.20E-07	1.37E-03	2.16E-07	8.47E-08
5618	479440.53, 3850549.14	8.16E-04	1.29E-07	5.05E-08	8.80E-04	1.39E-07	4.27E-07	1.39E-03	2.20E-07	8.63E-08
5619	479523.64, 3850590.85	8.31E-04	1.31E-07	5.14E-08	8.97E-04	1.41E-07	4.35E-07	1.42E-03	2.24E-07	8.79E-08
5620	479606.74, 3850632.57	8.48E-04	1.34E-07	5.25E-08	9.15E-04	1.44E-07	4.44E-07	1.45E-03	2.28E-07	8.97E-08
5621	479777.37, 3850707.61	8.75E-04	1.38E-07	5.41E-08	9.44E-04	1.49E-07	4.58E-07	1.50E-03	2.36E-07	9.25E-08
5622	479864.9, 3850740.95	8.88E-04	1.40E-07	5.49E-08	9.58E-04	1.51E-07	4.65E-07	1.52E-03	2.39E-07	9.39E-08
5623	479931.87, 3850829.57	9.16E-04	1.44E-07	5.67E-08	9.89E-04	1.56E-07	4.80E-07	1.57E-03	2.47E-07	9.69E-08
5624	479995.55, 3850926.75	9.52E-04	1.50E-07	5.89E-08	1.03E-03	1.62E-07	4.99E-07	1.63E-03	2.56E-07	1.01E-07
5625	480079.78, 3850968.64	9.71E-04	1.53E-07	6.01E-08	1.05E-03	1.65E-07	5.08E-07	1.66E-03	2.61E-07	1.03E-07
5626	480164.01, 3851010.54	9.88E-04	1.56E-07	6.12E-08	1.07E-03	1.68E-07	5.17E-07	1.68E-03	2.65E-07	1.04E-07
5627	480248.23, 3851052.43	1.00E-03	1.58E-07	6.21E-08	1.08E-03	1.70E-07	5.25E-07	1.71E-03	2.69E-07	1.06E-07
5628	480332.46, 3851094.33	1.02E-03	1.60E-07	6.29E-08	1.10E-03	1.73E-07	5.32E-07	1.73E-03	2.72E-07	1.07E-07

5629	480416.69, 3851136.22	1.03E-03	1.62E-07	6.35E-08	1.11E-03	1.74E-07	5.37E-07	1.75E-03	2.75E-07	1.08E-07
5630	480579.95, 3851215.17	1.04E-03	1.65E-07	6.46E-08	1.13E-03	1.77E-07	5.46E-07	1.77E-03	2.79E-07	1.10E-07
5631	480658.98, 3851252.22	1.05E-03	1.66E-07	6.52E-08	1.14E-03	1.79E-07	5.51E-07	1.79E-03	2.82E-07	1.11E-07
5632	480817.36, 3851327.85	1.07E-03	1.69E-07	6.63E-08	1.15E-03	1.82E-07	5.60E-07	1.81E-03	2.86E-07	1.12E-07
5633	480896.72, 3851366.43	1.08E-03	1.70E-07	6.68E-08	1.16E-03	1.83E-07	5.65E-07	1.83E-03	2.88E-07	1.13E-07
5634	480976.07, 3851405	1.09E-03	1.71E-07	6.74E-08	1.17E-03	1.85E-07	5.69E-07	1.84E-03	2.90E-07	1.14E-07
5635	481178, 3851487.31	1.10E-03	1.74E-07	6.83E-08	1.19E-03	1.87E-07	5.77E-07	1.86E-03	2.94E-07	1.15E-07
5636	481244.9, 3851557.17	1.14E-03	1.79E-07	7.03E-08	1.22E-03	1.93E-07	5.94E-07	1.92E-03	3.02E-07	1.19E-07
5637	481311.81, 3851627.03	1.17E-03	1.84E-07	7.23E-08	1.26E-03	1.98E-07	6.11E-07	1.97E-03	3.11E-07	1.22E-07
5638	481378.71, 3851696.89	1.20E-03	1.89E-07	7.44E-08	1.30E-03	2.04E-07	6.28E-07	2.03E-03	3.20E-07	1.26E-07
5639	481445.61, 3851766.76	1.24E-03	1.95E-07	7.66E-08	1.33E-03	2.10E-07	6.47E-07	2.09E-03	3.29E-07	1.29E-07
5640	481512.51, 3851836.62	1.27E-03	2.01E-07	7.88E-08	1.37E-03	2.16E-07	6.66E-07	2.15E-03	3.39E-07	1.33E-07
5641	481579.42, 3851906.48	1.31E-03	2.07E-07	8.11E-08	1.41E-03	2.23E-07	6.85E-07	2.21E-03	3.49E-07	1.37E-07
5642	481646.32, 3851976.34	1.35E-03	2.13E-07	8.36E-08	1.46E-03	2.29E-07	7.06E-07	2.28E-03	3.59E-07	1.41E-07
5643	481713.22, 3852046.2	1.39E-03	2.19E-07	8.59E-08	1.50E-03	2.36E-07	7.26E-07	2.34E-03	3.69E-07	1.45E-07
5644	481780.12, 3852116.06	1.44E-03	2.26E-07	8.89E-08	1.55E-03	2.44E-07	7.51E-07	2.42E-03	3.82E-07	1.50E-07
5645	481847.03, 3852185.92	1.49E-03	2.35E-07	9.24E-08	1.61E-03	2.53E-07	7.81E-07	2.52E-03	3.97E-07	1.56E-07
5646	481913.93, 3852255.78	1.55E-03	2.44E-07	9.58E-08	1.67E-03	2.63E-07	8.09E-07	2.61E-03	4.11E-07	1.61E-07
5647	481980.83, 3852325.65	1.61E-03	2.53E-07	9.94E-08	1.73E-03	2.72E-07	8.39E-07	2.70E-03	4.26E-07	1.67E-07
5648	482047.73, 3852395.51	1.66E-03	2.62E-07	1.03E-07	1.79E-03	2.82E-07	8.69E-07	2.80E-03	4.41E-07	1.73E-07
5649	482114.64, 3852465.37	1.72E-03	2.71E-07	1.07E-07	1.85E-03	2.92E-07	9.00E-07	2.89E-03	4.56E-07	1.79E-07
5650	482181.54, 3852535.23	1.79E-03	2.81E-07	1.10E-07	1.92E-03	3.03E-07	9.33E-07	3.00E-03	4.72E-07	1.86E-07
5651	482338.69, 3852700.05	1.95E-03	3.08E-07	1.21E-07	2.10E-03	3.31E-07	1.02E-06	3.27E-03	5.16E-07	2.03E-07
5652	482404.05, 3852767.78	2.03E-03	3.20E-07	1.26E-07	2.19E-03	3.45E-07	1.06E-06	3.41E-03	5.37E-07	2.11E-07
5653	482469.4, 3852835.52	2.13E-03	3.35E-07	1.32E-07	2.29E-03	3.60E-07	1.11E-06	3.56E-03	5.60E-07	2.20E-07
5654	482534.75, 3852903.25	2.23E-03	3.52E-07	1.38E-07	2.40E-03	3.79E-07	1.17E-06	3.73E-03	5.88E-07	2.31E-07
5655	482600.11, 3852970.99	2.36E-03	3.71E-07	1.46E-07	2.54E-03	4.00E-07	1.23E-06	3.94E-03	6.20E-07	2.44E-07
5656	482706.71, 3853119.28	2.72E-03	4.28E-07	1.68E-07	2.92E-03	4.61E-07	1.42E-06	4.52E-03	7.12E-07	2.80E-07
5657	482747.96, 3853199.84	2.97E-03	4.68E-07	1.84E-07	3.20E-03	5.03E-07	1.55E-06	4.92E-03	7.75E-07	3.05E-07
5658	482789.21, 3853280.4	3.29E-03	5.19E-07	2.04E-07	3.54E-03	5.57E-07	1.72E-06	5.41E-03	8.52E-07	3.35E-07
5659	482830.46, 3853360.96	3.77E-03	5.94E-07	2.33E-07	4.04E-03	6.36E-07	1.96E-06	6.07E-03	9.57E-07	3.76E-07
5660	482871.71, 3853441.52	5.86E-03	9.23E-07	3.62E-07	6.19E-03	9.75E-07	3.00E-06	8.35E-03	1.32E-06	5.17E-07
5661	482912.95, 3853522.07	1.12E-02	1.76E-06	6.90E-07	1.16E-02	1.83E-06	5.64E-06	1.38E-02	2.18E-06	8.56E-07
5662	482954.2, 3853602.63	1.12E-02	1.76E-06	6.90E-07	1.17E-02	1.84E-06	5.67E-06	1.44E-02	2.27E-06	8.92E-07
5663	482995.45, 3853683.19	1.17E-02	1.84E-06	7.25E-07	1.24E-02	1.95E-06	5.99E-06	1.64E-02	2.58E-06	1.01E-06
5664	483036.7, 3853763.75	1.37E-02	2.15E-06	8.45E-07	1.46E-02	2.29E-06	7.07E-06	2.12E-02	3.33E-06	1.31E-06
5665	483214.2, 3853909.91	1.47E-02	2.32E-06	9.10E-07	1.59E-02	2.51E-06	7.72E-06	2.58E-02	4.07E-06	1.60E-06
5666	483307.01, 3853910.44	1.33E-02	2.09E-06	8.21E-07	1.44E-02	2.26E-06	6.97E-06	2.33E-02	3.68E-06	1.44E-06
5667	483399.83, 3853910.96	1.20E-02	1.89E-06	7.41E-07	1.30E-02	2.04E-06	6.29E-06	2.11E-02	3.32E-06	1.30E-06
5668	483494.52, 3854009.24	1.38E-02	2.17E-06	8.54E-07	1.50E-02	2.36E-06	7.27E-06	2.49E-02	3.92E-06	1.54E-06
5669	483496.41, 3854106.98	1.71E-02	2.69E-06	1.06E-06	1.86E-02	2.93E-06	9.03E-06	3.14E-02	4.94E-06	1.94E-06
5670	483577.56, 3854261.96	2.00E-02	3.15E-06	1.24E-06	2.18E-02	3.43E-06	1.06E-05	3.67E-02	5.78E-06	2.27E-06
5671	483656.83, 3854319.19	1.95E-02	3.07E-06	1.20E-06	2.12E-02	3.33E-06	1.03E-05	3.54E-02	5.58E-06	2.19E-06
5672	483736.1, 3854376.41	1.88E-02	2.97E-06	1.17E-06	2.05E-02	3.23E-06	9.94E-06	3.40E-02	5.35E-06	2.10E-06
5673	483815.37, 3854433.64	1.84E-02	2.90E-06	1.14E-06	1.99E-02	3.14E-06	9.68E-06	3.28E-02	5.17E-06	2.03E-06
5674	483894.63, 3854490.87	1.80E-02	2.84E-06	1.12E-06	1.96E-02	3.08E-06	9.49E-06	3.19E-02	5.03E-06	1.97E-06
5675	483973.9, 3854548.1	1.81E-02	2.85E-06	1.12E-06	1.96E-02	3.09E-06	9.50E-06	3.17E-02	4.99E-06	1.96E-06
5676	484053.17, 3854605.32	1.89E-02	2.98E-06	1.17E-06	2.05E-02	3.22E-06	9.93E-06	3.28E-02	5.17E-06	2.03E-06
5677	484214.97, 3854698.15	2.04E-02	3.22E-06	1.26E-06	2.20E-02	3.47E-06	1.07E-05	3.48E-02	5.47E-06	2.15E-06
5678	484297.5, 3854733.74	2.16E-02	3.40E-06	1.34E-06	2.32E-02	3.66E-06	1.13E-05	3.64E-02	5.74E-06	2.26E-06
5679	484380.03, 3854769.34	2.18E-02	3.43E-06	1.35E-06	2.34E-02	3.69E-06	1.14E-05	3.66E-02	5.77E-06	2.27E-06
5680	484462.56, 3854804.94	2.26E-02	3.56E-06	1.40E-06	2.43E-02	3.84E-06	1.18E-05	3.80E-02	5.99E-06	2.35E-06
5681	484545.09, 3854840.53	2.24E-02	3.52E-06	1.38E-06	2.41E-02	3.79E-06	1.17E-05	3.75E-02	5.92E-06	2.32E-06
5682	484691.88, 3854912.59	2.41E-02	3.80E-06	1.49E-06	2.60E-02	4.09E-06	1.26E-05	4.04E-02	6.36E-06	2.50E-06
5683	484830.81, 3855012.51	2.66E-02	4.19E-06	1.65E-06	2.86E-02	4.51E-06	1.39E-05	4.44E-02	7.00E-06	2.75E-06
5684	484905.48, 3855075.97	2.94E-02	4.62E-06	1.82E-06	3.16E-02	4.98E-06	1.53E-05	4.91E-02	7.74E-06	3.04E-06
5685	484980.14, 3855139.44	3.12E-02	4.92E-06	1.93E-06	3.36E-02	5.29E-06	1.63E-05	5.23E-02	8.24E-06	3.24E-06
5686	485054.81, 3855202.91	3.22E-02	5.07E-06	1.99E-06	3.47E-02	5.46E-06	1.68E-05	5.40E-02	8.51E-06	3.34E-06
5687	485129.48, 3855266.37	3.20E-02	5.03E-06	1.98E-06	3.44E-02	5.42E-06	1.67E-05	5.36E-02	8.44E-06	3.31E-06
5688	485204.15, 3855329.84	3.37E-02	5.31E-06	2.09E-06	3.63E-02	5.72E-06	1.76E-05	5.67E-02	8.93E-06	3.51E-06
5689	485278.82, 3855393.31	3.43E-02	5.40E-06	2.12E-06	3.69E-02	5.81E-06	1.79E-05	5.77E-02	9.08E-06	3.57E-06
5690	485353.48, 3855456.77	3.53E-02	5.57E-06	2.19E-06	3.81E-02	6.00E-06	1.85E-05	5.96E-02	9.39E-06	3.69E-06
5691	485428.15, 3855520.24	3.57E-02	5.62E-06	2.21E-06	3.84E-02	6.06E-06	1.87E-05	6.03E-02	9.51E-06	3.73E-06
5692	485502.82, 3855583.71	3.61E-02	5.69E-06	2.24E-06	3.89E-02	6.14E-06	1.89E-05	6.12E-02	9.65E-06	3.79E-06

5693	485577.49, 3855647.17	3.75E-02	5.91E-06	2.32E-06	4.05E-02	6.37E-06	1.96E-05	6.38E-02	1.00E-05	3.95E-06
5694	485652.16, 3855710.64	3.89E-02	6.12E-06	2.41E-06	4.19E-02	6.61E-06	2.03E-05	6.63E-02	1.04E-05	4.10E-06
5695	485726.83, 3855774.11	3.93E-02	6.19E-06	2.43E-06	4.24E-02	6.68E-06	2.06E-05	6.72E-02	1.06E-05	4.16E-06
5696	485801.49, 3855837.57	3.92E-02	6.17E-06	2.42E-06	4.23E-02	6.66E-06	2.05E-05	6.70E-02	1.06E-05	4.15E-06
5697	485876.16, 3855901.04	3.95E-02	6.22E-06	2.44E-06	4.26E-02	6.71E-06	2.07E-05	6.77E-02	1.07E-05	4.19E-06
5698	485950.83, 3855964.5	3.94E-02	6.21E-06	2.44E-06	4.26E-02	6.70E-06	2.06E-05	6.77E-02	1.07E-05	4.19E-06
5699	486025.5, 3856027.97	3.88E-02	6.11E-06	2.40E-06	4.19E-02	6.59E-06	2.03E-05	6.67E-02	1.05E-05	4.13E-06
5700	486100.17, 3856091.44	4.05E-02	6.38E-06	2.51E-06	4.38E-02	6.89E-06	2.12E-05	6.98E-02	1.10E-05	4.32E-06
5701	486174.83, 3856154.9	3.95E-02	6.23E-06	2.45E-06	4.27E-02	6.73E-06	2.07E-05	6.82E-02	1.07E-05	4.22E-06
5702	486249.5, 3856218.37	3.71E-02	5.85E-06	2.30E-06	4.01E-02	6.32E-06	1.95E-05	6.41E-02	1.01E-05	3.97E-06
5703	486324.17, 3856281.84	3.53E-02	5.56E-06	2.19E-06	3.82E-02	6.01E-06	1.85E-05	6.10E-02	9.61E-06	3.77E-06
5704	486398.84, 3856345.3	3.61E-02	5.68E-06	2.23E-06	3.90E-02	6.14E-06	1.89E-05	6.23E-02	9.82E-06	3.86E-06
5705	486473.51, 3856408.77	3.62E-02	5.70E-06	2.24E-06	3.91E-02	6.16E-06	1.90E-05	6.26E-02	9.86E-06	3.87E-06
5706	486548.17, 3856472.24	3.72E-02	5.85E-06	2.30E-06	4.02E-02	6.33E-06	1.95E-05	6.42E-02	1.01E-05	3.98E-06
5707	486622.84, 3856535.7	3.82E-02	6.02E-06	2.36E-06	4.13E-02	6.50E-06	2.00E-05	6.60E-02	1.04E-05	4.09E-06
5708	486765.48, 3856659.69	4.10E-02	6.46E-06	2.54E-06	4.43E-02	6.98E-06	2.15E-05	7.08E-02	1.12E-05	4.38E-06
5709	486833.44, 3856720.2	4.20E-02	6.62E-06	2.60E-06	4.54E-02	7.16E-06	2.20E-05	7.27E-02	1.14E-05	4.50E-06
5710	486901.41, 3856780.72	4.34E-02	6.84E-06	2.69E-06	4.69E-02	7.39E-06	2.28E-05	7.51E-02	1.18E-05	4.65E-06
5711	486969.38, 3856841.24	4.45E-02	7.01E-06	2.75E-06	4.81E-02	7.57E-06	2.33E-05	7.70E-02	1.21E-05	4.76E-06
5712	487037.34, 3856901.75	4.54E-02	7.16E-06	2.81E-06	4.91E-02	7.74E-06	2.38E-05	7.87E-02	1.24E-05	4.87E-06
5713	487271.23, 3856855.51	3.79E-02	5.97E-06	2.34E-06	4.09E-02	6.45E-06	1.99E-05	6.55E-02	1.03E-05	4.06E-06
5714	487368.96, 3856857.29	3.60E-02	5.68E-06	2.23E-06	3.89E-02	6.14E-06	1.89E-05	6.23E-02	9.82E-06	3.86E-06
5715	487466.68, 3856859.06	3.45E-02	5.43E-06	2.13E-06	3.72E-02	5.87E-06	1.81E-05	5.96E-02	9.39E-06	3.69E-06
5716	487636.44, 3856930	3.34E-02	5.27E-06	2.07E-06	3.61E-02	5.69E-06	1.75E-05	5.78E-02	9.11E-06	3.58E-06
5717	487709.57, 3856928.43	3.23E-02	5.09E-06	2.00E-06	3.49E-02	5.50E-06	1.69E-05	5.59E-02	8.81E-06	3.46E-06
5718	487782.55, 3856841.96	2.95E-02	4.66E-06	1.83E-06	3.19E-02	5.03E-06	1.55E-05	5.11E-02	8.05E-06	3.16E-06
5719	487849.83, 3856754.74	2.73E-02	4.29E-06	1.69E-06	2.95E-02	4.64E-06	1.43E-05	4.71E-02	7.42E-06	2.91E-06
5720	487918.03, 3856819.39	2.77E-02	4.36E-06	1.71E-06	2.99E-02	4.71E-06	1.45E-05	4.78E-02	7.53E-06	2.96E-06
5721	487918.8, 3856886.37	2.88E-02	4.54E-06	1.78E-06	3.11E-02	4.90E-06	1.51E-05	4.98E-02	7.84E-06	3.08E-06
5722	488065.47, 3857127.51	3.08E-02	4.86E-06	1.91E-06	3.33E-02	5.25E-06	1.62E-05	5.35E-02	8.42E-06	3.31E-06
5723	488192.19, 3857385.84	3.33E-02	5.24E-06	2.06E-06	3.60E-02	5.66E-06	1.74E-05	5.79E-02	9.12E-06	3.58E-06
5724	488191.22, 3857473.87	3.47E-02	5.47E-06	2.15E-06	3.76E-02	5.92E-06	1.82E-05	6.05E-02	9.53E-06	3.75E-06
5725	488190.24, 3857561.91	3.62E-02	5.71E-06	2.24E-06	3.92E-02	6.17E-06	1.90E-05	6.32E-02	9.95E-06	3.91E-06
5726	488158.35, 3857691.13	3.95E-02	6.22E-06	2.44E-06	4.27E-02	6.73E-06	2.07E-05	6.89E-02	1.09E-05	4.26E-06
5727	488208.37, 3857816.66	4.03E-02	6.35E-06	2.49E-06	4.36E-02	6.87E-06	2.11E-05	7.04E-02	1.11E-05	4.36E-06
5728	488271.97, 3857874.6	3.92E-02	6.17E-06	2.42E-06	4.24E-02	6.68E-06	2.06E-05	6.85E-02	1.08E-05	4.24E-06
5729	488463.56, 3857942.31	3.44E-02	5.42E-06	2.13E-06	3.72E-02	5.86E-06	1.81E-05	6.00E-02	9.45E-06	3.71E-06
5730	488554.83, 3857940.83	3.22E-02	5.07E-06	1.99E-06	3.48E-02	5.48E-06	1.69E-05	5.61E-02	8.83E-06	3.47E-06
5731	488646.1, 3857939.36	3.02E-02	4.76E-06	1.87E-06	3.27E-02	5.15E-06	1.59E-05	5.26E-02	8.29E-06	3.26E-06
5732	488737.37, 3857937.88	2.85E-02	4.49E-06	1.76E-06	3.08E-02	4.85E-06	1.49E-05	4.96E-02	7.81E-06	3.07E-06
5733	488733.59, 3857960.57	2.86E-02	4.51E-06	1.77E-06	3.10E-02	4.88E-06	1.50E-05	4.99E-02	7.85E-06	3.09E-06
5734	488638.09, 3857961.57	3.05E-02	4.80E-06	1.89E-06	3.30E-02	5.20E-06	1.60E-05	5.31E-02	8.37E-06	3.29E-06
5735	488542.6, 3857962.56	3.26E-02	5.14E-06	2.02E-06	3.53E-02	5.55E-06	1.71E-05	5.68E-02	8.95E-06	3.52E-06
5736	488447.1, 3857963.56	3.50E-02	5.52E-06	2.17E-06	3.79E-02	5.97E-06	1.84E-05	6.11E-02	9.63E-06	3.78E-06
5737	488254.28, 3857890.36	4.00E-02	6.30E-06	2.47E-06	4.33E-02	6.82E-06	2.10E-05	7.00E-02	1.10E-05	4.33E-06
5738	488191.69, 3857833.06	4.12E-02	6.48E-06	2.55E-06	4.46E-02	7.02E-06	2.16E-05	7.21E-02	1.14E-05	4.46E-06
5739	488129.5, 3857907.43	4.51E-02	7.11E-06	2.79E-06	4.89E-02	7.70E-06	2.37E-05	7.93E-02	1.25E-05	4.91E-06
5740	488196.47, 3857968.74	4.36E-02	6.87E-06	2.70E-06	4.72E-02	7.44E-06	2.29E-05	7.66E-02	1.21E-05	4.74E-06
5741	488263.44, 3858030.04	4.22E-02	6.64E-06	2.61E-06	4.57E-02	7.19E-06	2.22E-05	7.41E-02	1.17E-05	4.58E-06
5742	488400.64, 3858132.9	3.85E-02	6.07E-06	2.38E-06	4.17E-02	6.57E-06	2.02E-05	6.74E-02	1.06E-05	4.17E-06
5743	488519.89, 3858218.38	3.42E-02	5.38E-06	2.11E-06	3.69E-02	5.82E-06	1.79E-05	5.94E-02	9.36E-06	3.68E-06
5744	488647.97, 3858214.99	3.02E-02	4.76E-06	1.87E-06	3.26E-02	5.14E-06	1.58E-05	5.24E-02	8.26E-06	3.25E-06
5745	488727.05, 3858167.67	2.86E-02	4.50E-06	1.77E-06	3.09E-02	4.87E-06	1.50E-05	4.96E-02	7.82E-06	3.07E-06
5746	488806.12, 3858120.35	2.72E-02	4.28E-06	1.68E-06	2.94E-02	4.63E-06	1.43E-05	4.72E-02	7.44E-06	2.92E-06
5747	488885.2, 3858073.03	2.59E-02	4.08E-06	1.60E-06	2.80E-02	4.42E-06	1.36E-05	4.51E-02	7.10E-06	2.79E-06
5748	489055.76, 3857991.18	2.36E-02	3.72E-06	1.46E-06	2.56E-02	4.03E-06	1.24E-05	4.11E-02	6.48E-06	2.54E-06
5749	489245.39, 3857944.55	2.15E-02	3.39E-06	1.33E-06	2.33E-02	3.66E-06	1.13E-05	3.74E-02	5.90E-06	2.32E-06
5750	489430.63, 3857930.91	1.97E-02	3.10E-06	1.22E-06	2.13E-02	3.35E-06	1.03E-05	3.42E-02	5.39E-06	2.12E-06
5751	489517.74, 3857929.36	1.89E-02	2.97E-06	1.17E-06	2.04E-02	3.22E-06	9.91E-06	3.28E-02	5.17E-06	2.03E-06
5752	489604.86, 3857927.82	1.82E-02	2.86E-06	1.12E-06	1.96E-02	3.09E-06	9.53E-06	3.16E-02	4.97E-06	1.95E-06
5753	489691.97, 3857926.28	1.75E-02	2.75E-06	1.08E-06	1.89E-02	2.98E-06	9.17E-06	3.04E-02	4.78E-06	1.88E-06
5754	489779.08, 3857924.73	1.68E-02	2.65E-06	1.04E-06	1.82E-02	2.87E-06	8.83E-06	2.92E-02	4.61E-06	1.81E-06
5755	490017.55, 3857875.09	1.54E-02	2.42E-06	9.51E-07	1.66E-02	2.62E-06	8.06E-06	2.67E-02	4.21E-06	1.65E-06
5756	490033.82, 3857960.81	1.50E-02	2.37E-06	9.31E-07	1.63E-02	2.56E-06	7.89E-06	2.61E-02	4.11E-06	1.61E-06

5757	489959.15, 3857987.49	1.54E-02	2.43E-06	9.54E-07	1.67E-02	2.63E-06	8.09E-06	2.67E-02	4.21E-06	1.65E-06
5758	489791.49, 3858016.12	1.64E-02	2.59E-06	1.02E-06	1.78E-02	2.80E-06	8.61E-06	2.85E-02	4.49E-06	1.76E-06
5759	489698.51, 3858018.07	1.71E-02	2.69E-06	1.06E-06	1.85E-02	2.91E-06	8.97E-06	2.97E-02	4.68E-06	1.84E-06
5760	489605.52, 3858020.02	1.78E-02	2.81E-06	1.10E-06	1.93E-02	3.04E-06	9.35E-06	3.10E-02	4.88E-06	1.92E-06
5761	489512.53, 3858021.96	1.86E-02	2.93E-06	1.15E-06	2.01E-02	3.17E-06	9.76E-06	3.23E-02	5.09E-06	2.00E-06
5762	489419.55, 3858023.91	1.95E-02	3.06E-06	1.20E-06	2.10E-02	3.31E-06	1.02E-05	3.38E-02	5.33E-06	2.09E-06
5763	489228.47, 3858041.29	2.14E-02	3.37E-06	1.32E-06	2.31E-02	3.65E-06	1.12E-05	3.72E-02	5.87E-06	2.31E-06
5764	489065.75, 3858085.78	2.32E-02	3.65E-06	1.44E-06	2.51E-02	3.95E-06	1.22E-05	4.03E-02	6.35E-06	2.50E-06
5765	489001.12, 3858114.86	2.40E-02	3.77E-06	1.48E-06	2.59E-02	4.08E-06	1.26E-05	4.16E-02	6.56E-06	2.58E-06
5766	488861.89, 3858189.81	2.58E-02	4.06E-06	1.59E-06	2.79E-02	4.39E-06	1.35E-05	4.48E-02	7.05E-06	2.77E-06
5767	488787.29, 3858235.69	2.67E-02	4.21E-06	1.65E-06	2.89E-02	4.55E-06	1.40E-05	4.63E-02	7.29E-06	2.87E-06
5768	488712.68, 3858281.57	2.78E-02	4.38E-06	1.72E-06	3.01E-02	4.74E-06	1.46E-05	4.82E-02	7.60E-06	2.98E-06
5769	488654.39, 3858436.17	2.53E-02	3.99E-06	1.57E-06	2.73E-02	4.30E-06	1.33E-05	4.28E-02	6.74E-06	2.65E-06
5770	488726.31, 3858505.26	2.21E-02	3.47E-06	1.36E-06	2.37E-02	3.73E-06	1.15E-05	3.64E-02	5.73E-06	2.25E-06
5771	488880.6, 3858599.28	1.82E-02	2.87E-06	1.13E-06	1.95E-02	3.08E-06	9.48E-06	2.93E-02	4.61E-06	1.81E-06
5772	489008.06, 3858714.75	1.58E-02	2.48E-06	9.76E-07	1.68E-02	2.65E-06	8.16E-06	2.44E-02	3.85E-06	1.51E-06
5773	489071.48, 3858772.72	1.47E-02	2.32E-06	9.10E-07	1.57E-02	2.47E-06	7.60E-06	2.25E-02	3.54E-06	1.39E-06
5774	489244.6, 3858920.2	1.07E-02	1.69E-06	6.63E-07	1.14E-02	1.80E-06	5.55E-06	1.69E-02	2.66E-06	1.05E-06
5775	489239.69, 3858952.23	1.01E-02	1.60E-06	6.27E-07	1.08E-02	1.71E-06	5.25E-06	1.60E-02	2.53E-06	9.93E-07
5776	489121.67, 3858854.49	1.30E-02	2.05E-06	8.06E-07	1.39E-02	2.18E-06	6.73E-06	1.98E-02	3.12E-06	1.23E-06
5777	489059.59, 3858797.27	1.47E-02	2.31E-06	9.07E-07	1.56E-02	2.46E-06	7.57E-06	2.21E-02	3.49E-06	1.37E-06
5778	488997.52, 3858740.04	1.58E-02	2.48E-06	9.75E-07	1.68E-02	2.64E-06	8.14E-06	2.41E-02	3.79E-06	1.49E-06
5779	488935.44, 3858682.82	1.68E-02	2.64E-06	1.04E-06	1.79E-02	2.82E-06	8.68E-06	2.60E-02	4.10E-06	1.61E-06
5780	488869.17, 3858848.43	2.10E-02	3.30E-06	1.30E-06	2.20E-02	3.46E-06	1.07E-05	2.76E-02	4.34E-06	1.71E-06
5781	488932.48, 3858892.69	1.64E-02	2.59E-06	1.02E-06	1.73E-02	2.73E-06	8.41E-06	2.27E-02	3.57E-06	1.40E-06
5782	489063.27, 3858977.17	1.02E-02	1.61E-06	6.31E-07	1.09E-02	1.71E-06	5.28E-06	1.58E-02	2.49E-06	9.80E-07
5783	489248.2, 3859117.15	7.45E-03	1.17E-06	4.61E-07	7.99E-03	1.26E-06	3.88E-06	1.22E-02	1.92E-06	7.54E-07
5784	489296.25, 3859049.22	8.38E-03	1.32E-06	5.18E-07	8.98E-03	1.41E-06	4.36E-06	1.36E-02	2.14E-06	8.40E-07
5785	489353.38, 3858993.97	9.11E-03	1.44E-06	5.64E-07	9.77E-03	1.54E-06	4.74E-06	1.47E-02	2.32E-06	9.11E-07
5786	489537.25, 3859120.22	7.39E-03	1.16E-06	4.57E-07	7.94E-03	1.25E-06	3.85E-06	1.22E-02	1.92E-06	7.55E-07
5787	489726.98, 3859246.04	6.27E-03	9.87E-07	3.88E-07	6.74E-03	1.06E-06	3.27E-06	1.05E-02	1.65E-06	6.48E-07
5788	489911.46, 3859366.33	5.50E-03	8.66E-07	3.40E-07	5.92E-03	9.32E-07	2.87E-06	9.24E-03	1.46E-06	5.72E-07
5789	490035.3, 3859430.26	5.14E-03	8.10E-07	3.18E-07	5.54E-03	8.72E-07	2.69E-06	8.66E-03	1.36E-06	5.36E-07
5790	490101.11, 3859458.61	5.00E-03	7.88E-07	3.10E-07	5.39E-03	8.49E-07	2.62E-06	8.44E-03	1.33E-06	5.22E-07
5791	490312.68, 3859560.3	4.57E-03	7.20E-07	2.83E-07	4.93E-03	7.76E-07	2.39E-06	7.74E-03	1.22E-06	4.79E-07
5792	490401.63, 3859603.12	4.42E-03	6.96E-07	2.73E-07	4.76E-03	7.50E-07	2.31E-06	7.48E-03	1.18E-06	4.63E-07
5793	490490.57, 3859645.94	4.27E-03	6.73E-07	2.64E-07	4.61E-03	7.26E-07	2.23E-06	7.24E-03	1.14E-06	4.48E-07
5794	490579.51, 3859688.76	4.14E-03	6.52E-07	2.56E-07	4.47E-03	7.03E-07	2.17E-06	7.03E-03	1.11E-06	4.35E-07
5795	490668.45, 3859731.58	4.02E-03	6.34E-07	2.49E-07	4.34E-03	6.84E-07	2.11E-06	6.84E-03	1.08E-06	4.23E-07
5796	490757.4, 3859774.4	3.90E-03	6.14E-07	2.41E-07	4.20E-03	6.62E-07	2.04E-06	6.63E-03	1.04E-06	4.10E-07
5797	491003.53, 3859861.82	3.67E-03	5.79E-07	2.27E-07	3.96E-03	6.24E-07	1.92E-06	6.26E-03	9.86E-07	3.87E-07
5798	491081.41, 3859879.05	3.63E-03	5.72E-07	2.25E-07	3.92E-03	6.17E-07	1.90E-06	6.19E-03	9.75E-07	3.83E-07
5799	491229.76, 3859917.82	3.53E-03	5.57E-07	2.19E-07	3.81E-03	6.00E-07	1.85E-06	6.02E-03	9.49E-07	3.73E-07
5800	491300.22, 3859939.35	3.48E-03	5.48E-07	2.15E-07	3.75E-03	5.91E-07	1.82E-06	5.93E-03	9.34E-07	3.67E-07
5801	491350.49, 3860012.03	3.29E-03	5.18E-07	2.04E-07	3.55E-03	5.59E-07	1.72E-06	5.61E-03	8.83E-07	3.47E-07
5802	491406.82, 3860092.57	3.11E-03	4.89E-07	1.92E-07	3.35E-03	5.28E-07	1.63E-06	5.30E-03	8.34E-07	3.28E-07
5803	491483.37, 3860121.96	3.06E-03	4.81E-07	1.89E-07	3.30E-03	5.19E-07	1.60E-06	5.21E-03	8.21E-07	3.23E-07
5804	491559.91, 3860151.36	3.00E-03	4.73E-07	1.86E-07	3.24E-03	5.10E-07	1.57E-06	5.12E-03	8.07E-07	3.17E-07
5805	491711.81, 3860237.76	2.91E-03	4.59E-07	1.80E-07	3.14E-03	4.95E-07	1.53E-06	4.98E-03	7.84E-07	3.08E-07
5806	491755.2, 3860319.07	2.70E-03	4.25E-07	1.67E-07	2.91E-03	4.58E-07	1.41E-06	4.60E-03	7.24E-07	2.85E-07
5807	491704.71, 3860366.54	2.61E-03	4.11E-07	1.61E-07	2.81E-03	4.43E-07	1.36E-06	4.45E-03	7.01E-07	2.75E-07
5808	491623.43, 3860462.39	2.43E-03	3.83E-07	1.50E-07	2.62E-03	4.13E-07	1.27E-06	4.14E-03	6.52E-07	2.56E-07
5809	491534.02, 3860439.85	2.52E-03	3.96E-07	1.56E-07	2.71E-03	4.27E-07	1.32E-06	4.29E-03	6.76E-07	2.66E-07
5810	491313.95, 3860268.18	2.69E-03	4.24E-07	1.67E-07	2.90E-03	4.58E-07	1.41E-06	4.59E-03	7.22E-07	2.84E-07
5811	491187.12, 3860143.56	2.95E-03	4.64E-07	1.82E-07	3.18E-03	5.01E-07	1.54E-06	5.01E-03	7.90E-07	3.10E-07
5812	491070.43, 3860075.97	3.09E-03	4.87E-07	1.91E-07	3.33E-03	5.25E-07	1.62E-06	5.26E-03	8.28E-07	3.25E-07
5813	490995.09, 3860039.39	3.16E-03	4.98E-07	1.96E-07	3.41E-03	5.37E-07	1.66E-06	5.38E-03	8.48E-07	3.33E-07
5814	490919.75, 3860002.8	3.24E-03	5.11E-07	2.01E-07	3.50E-03	5.51E-07	1.70E-06	5.51E-03	8.69E-07	3.41E-07
5815	490756.81, 3859894.53	3.52E-03	5.54E-07	2.18E-07	3.79E-03	5.98E-07	1.84E-06	5.98E-03	9.42E-07	3.70E-07
5816	490668.07, 3859860.92	3.58E-03	5.65E-07	2.22E-07	3.87E-03	6.09E-07	1.88E-06	6.09E-03	9.59E-07	3.77E-07
5817	490579.34, 3859827.3	3.66E-03	5.77E-07	2.27E-07	3.95E-03	6.22E-07	1.92E-06	6.22E-03	9.80E-07	3.85E-07
5818	490490.6, 3859793.68	3.74E-03	5.89E-07	2.31E-07	4.03E-03	6.34E-07	1.95E-06	6.34E-03	9.98E-07	3.92E-07
5819	490401.86, 3859760.07	3.81E-03	6.01E-07	2.36E-07	4.11E-03	6.48E-07	1.99E-06	6.46E-03	1.02E-06	4.00E-07
5820	490313.12, 3859726.45	3.90E-03	6.15E-07	2.42E-07	4.21E-03	6.63E-07	2.04E-06	6.61E-03	1.04E-06	4.09E-07

5821	490224.39, 3859692.83	4.00E-03	6.30E-07	2.48E-07	4.31E-03	6.79E-07	2.09E-06	6.77E-03	1.07E-06	4.19E-07
5822	490135.65, 3859659.22	4.11E-03	6.47E-07	2.54E-07	4.43E-03	6.97E-07	2.15E-06	6.95E-03	1.09E-06	4.30E-07
5823	489918.19, 3859559.23	4.47E-03	7.03E-07	2.76E-07	4.81E-03	7.58E-07	2.33E-06	7.54E-03	1.19E-06	4.67E-07
5824	489743.61, 3859486	4.75E-03	7.49E-07	2.94E-07	5.12E-03	8.07E-07	2.49E-06	8.01E-03	1.26E-06	4.96E-07
5825	489660.32, 3859440.27	4.96E-03	7.82E-07	3.07E-07	5.34E-03	8.42E-07	2.59E-06	8.35E-03	1.32E-06	5.17E-07
5826	489577.04, 3859394.53	5.19E-03	8.18E-07	3.21E-07	5.59E-03	8.81E-07	2.71E-06	8.72E-03	1.37E-06	5.40E-07
5827	489493.75, 3859348.8	5.44E-03	8.57E-07	3.37E-07	5.86E-03	9.23E-07	2.84E-06	9.12E-03	1.44E-06	5.64E-07
5828	489321.28, 3859240.02	6.18E-03	9.73E-07	3.82E-07	6.64E-03	1.05E-06	3.22E-06	1.03E-02	1.62E-06	6.36E-07
5829	489235.41, 3859193.96	6.57E-03	1.03E-06	4.06E-07	7.06E-03	1.11E-06	3.42E-06	1.09E-02	1.71E-06	6.73E-07
5830	489149.54, 3859147.89	7.00E-03	1.10E-06	4.33E-07	7.52E-03	1.18E-06	3.65E-06	1.15E-02	1.81E-06	7.12E-07
5831	489063.68, 3859101.82	7.55E-03	1.19E-06	4.67E-07	8.10E-03	1.28E-06	3.93E-06	1.23E-02	1.94E-06	7.61E-07
5832	488977.81, 3859055.75	8.26E-03	1.30E-06	5.11E-07	8.85E-03	1.39E-06	4.29E-06	1.33E-02	2.09E-06	8.22E-07
5833	488891.94, 3859009.69	9.20E-03	1.45E-06	5.70E-07	9.84E-03	1.55E-06	4.77E-06	1.45E-02	2.28E-06	8.97E-07
5834	488808, 3859060.73	8.13E-03	1.28E-06	5.03E-07	8.72E-03	1.37E-06	4.23E-06	1.31E-02	2.07E-06	8.12E-07
5835	488809.93, 3859157.85	6.98E-03	1.10E-06	4.32E-07	7.50E-03	1.18E-06	3.64E-06	1.15E-02	1.81E-06	7.11E-07
5836	488811.86, 3859254.96	6.20E-03	9.77E-07	3.84E-07	6.67E-03	1.05E-06	3.24E-06	1.03E-02	1.62E-06	6.38E-07
5837	488813.78, 3859352.07	5.61E-03	8.83E-07	3.47E-07	6.03E-03	9.50E-07	2.93E-06	9.37E-03	1.48E-06	5.80E-07
5838	488815.71, 3859449.19	5.13E-03	8.07E-07	3.17E-07	5.52E-03	8.69E-07	2.68E-06	8.60E-03	1.36E-06	5.32E-07
5839	488910.04, 3859547.11	4.71E-03	7.41E-07	2.91E-07	5.07E-03	7.99E-07	2.46E-06	7.92E-03	1.25E-06	4.90E-07
5840	489002.45, 3859547.91	4.70E-03	7.40E-07	2.91E-07	5.06E-03	7.97E-07	2.45E-06	7.91E-03	1.25E-06	4.89E-07
5841	489094.85, 3859548.72	4.68E-03	7.37E-07	2.89E-07	5.04E-03	7.93E-07	2.44E-06	7.88E-03	1.24E-06	4.88E-07
5842	489230.05, 3859601.87	4.45E-03	7.01E-07	2.75E-07	4.79E-03	7.55E-07	2.33E-06	7.51E-03	1.18E-06	4.65E-07
5843	489227.52, 3859680.89	4.21E-03	6.63E-07	2.60E-07	4.54E-03	7.14E-07	2.20E-06	7.11E-03	1.12E-06	4.40E-07
5844	489133.47, 3859760.29	4.00E-03	6.30E-07	2.47E-07	4.31E-03	6.79E-07	2.09E-06	6.76E-03	1.06E-06	4.18E-07
5845	489041.96, 3859760.67	4.00E-03	6.30E-07	2.47E-07	4.31E-03	6.79E-07	2.09E-06	6.76E-03	1.06E-06	4.18E-07
5846	488950.45, 3859761.05	3.99E-03	6.28E-07	2.47E-07	4.30E-03	6.77E-07	2.08E-06	6.74E-03	1.06E-06	4.17E-07
5847	488858.94, 3859761.43	3.97E-03	6.26E-07	2.46E-07	4.28E-03	6.74E-07	2.08E-06	6.71E-03	1.06E-06	4.15E-07
5848	488767.43, 3859761.82	3.94E-03	6.21E-07	2.44E-07	4.25E-03	6.69E-07	2.06E-06	6.65E-03	1.05E-06	4.11E-07
5849	488675.92, 3859762.2	3.92E-03	6.17E-07	2.42E-07	4.22E-03	6.65E-07	2.05E-06	6.60E-03	1.04E-06	4.08E-07
5850	488584.41, 3859762.58	3.88E-03	6.12E-07	2.40E-07	4.18E-03	6.59E-07	2.03E-06	6.53E-03	1.03E-06	4.04E-07
5851	488492.9, 3859762.96	3.85E-03	6.07E-07	2.38E-07	4.15E-03	6.54E-07	2.01E-06	6.48E-03	1.02E-06	4.01E-07
5852	488402.76, 3859830.95	3.64E-03	5.74E-07	2.25E-07	3.92E-03	6.18E-07	1.90E-06	6.13E-03	9.65E-07	3.79E-07
5853	488404.14, 3859898.55	3.46E-03	5.45E-07	2.14E-07	3.73E-03	5.87E-07	1.81E-06	5.82E-03	9.18E-07	3.60E-07
5854	488505.18, 3859964.96	3.33E-03	5.25E-07	2.06E-07	3.59E-03	5.65E-07	1.74E-06	5.61E-03	8.84E-07	3.47E-07
5855	488604.85, 3859963.76	3.35E-03	5.28E-07	2.08E-07	3.61E-03	5.69E-07	1.75E-06	5.66E-03	8.91E-07	3.50E-07
5856	488704.51, 3859962.56	3.38E-03	5.33E-07	2.09E-07	3.65E-03	5.74E-07	1.77E-06	5.71E-03	9.00E-07	3.54E-07
5857	488804.18, 3859961.37	3.42E-03	5.38E-07	2.12E-07	3.68E-03	5.80E-07	1.79E-06	5.77E-03	9.10E-07	3.57E-07
5858	488903.85, 3859960.17	3.45E-03	5.44E-07	2.14E-07	3.72E-03	5.86E-07	1.80E-06	5.83E-03	9.19E-07	3.61E-07
5859	489003.52, 3859958.97	3.47E-03	5.47E-07	2.15E-07	3.74E-03	5.90E-07	1.82E-06	5.88E-03	9.26E-07	3.64E-07
5860	489103.18, 3859957.77	3.49E-03	5.50E-07	2.16E-07	3.76E-03	5.93E-07	1.83E-06	5.91E-03	9.31E-07	3.66E-07
5861	489201.48, 3860046.59	3.31E-03	5.21E-07	2.05E-07	3.57E-03	5.62E-07	1.73E-06	5.61E-03	8.83E-07	3.47E-07
5862	489200.11, 3860136.61	3.12E-03	4.92E-07	1.93E-07	3.36E-03	5.30E-07	1.63E-06	5.29E-03	8.34E-07	3.28E-07
5863	489198.74, 3860226.63	2.95E-03	4.65E-07	1.83E-07	3.18E-03	5.01E-07	1.54E-06	5.00E-03	7.88E-07	3.10E-07
5864	489197.38, 3860316.66	2.79E-03	4.39E-07	1.73E-07	3.01E-03	4.73E-07	1.46E-06	4.73E-03	7.45E-07	2.93E-07
5865	489196.01, 3860406.68	2.64E-03	4.17E-07	1.64E-07	2.85E-03	4.49E-07	1.38E-06	4.48E-03	7.06E-07	2.78E-07
5866	489194.64, 3860496.7	2.50E-03	3.94E-07	1.55E-07	2.70E-03	4.25E-07	1.31E-06	4.24E-03	6.69E-07	2.63E-07
5867	489193.27, 3860586.72	2.38E-03	3.75E-07	1.47E-07	2.57E-03	4.05E-07	1.25E-06	4.04E-03	6.36E-07	2.50E-07
5868	489092.02, 3860678.13	2.25E-03	3.55E-07	1.39E-07	2.43E-03	3.83E-07	1.18E-06	3.82E-03	6.01E-07	2.36E-07
5869	488992.13, 3860679.53	2.24E-03	3.52E-07	1.38E-07	2.41E-03	3.80E-07	1.17E-06	3.79E-03	5.97E-07	2.35E-07
5870	488892.25, 3860680.92	2.23E-03	3.51E-07	1.38E-07	2.40E-03	3.78E-07	1.16E-06	3.77E-03	5.94E-07	2.33E-07
5871	488792.36, 3860682.31	2.21E-03	3.49E-07	1.37E-07	2.39E-03	3.76E-07	1.16E-06	3.75E-03	5.90E-07	2.32E-07
5872	488692.48, 3860683.7	2.21E-03	3.48E-07	1.37E-07	2.38E-03	3.75E-07	1.15E-06	3.73E-03	5.88E-07	2.31E-07
5873	488592.59, 3860685.1	2.19E-03	3.45E-07	1.36E-07	2.36E-03	3.72E-07	1.15E-06	3.71E-03	5.84E-07	2.29E-07
5874	488492.71, 3860686.49	2.19E-03	3.45E-07	1.36E-07	2.36E-03	3.72E-07	1.15E-06	3.70E-03	5.83E-07	2.29E-07
5875	488299.07, 3860762.18	2.13E-03	3.35E-07	1.32E-07	2.29E-03	3.61E-07	1.11E-06	3.59E-03	5.66E-07	2.22E-07
5876	488205.32, 3860764.09	2.11E-03	3.32E-07	1.31E-07	2.27E-03	3.58E-07	1.10E-06	3.56E-03	5.60E-07	2.20E-07
5877	488111.56, 3860766	2.08E-03	3.28E-07	1.29E-07	2.25E-03	3.54E-07	1.09E-06	3.51E-03	5.54E-07	2.17E-07
5878	488017.81, 3860767.91	2.06E-03	3.25E-07	1.28E-07	2.22E-03	3.50E-07	1.08E-06	3.47E-03	5.47E-07	2.15E-07
5879	487924.06, 3860769.81	2.05E-03	3.22E-07	1.27E-07	2.20E-03	3.47E-07	1.07E-06	3.44E-03	5.43E-07	2.13E-07
5880	487830.31, 3860771.72	2.03E-03	3.20E-07	1.26E-07	2.19E-03	3.45E-07	1.06E-06	3.42E-03	5.39E-07	2.12E-07
5881	487736.55, 3860773.63	2.03E-03	3.19E-07	1.25E-07	2.18E-03	3.44E-07	1.06E-06	3.41E-03	5.37E-07	2.11E-07
5882	487642.8, 3860775.54	2.03E-03	3.19E-07	1.25E-07	2.18E-03	3.44E-07	1.06E-06	3.41E-03	5.38E-07	2.11E-07
5883	487549.48, 3860684.71	2.12E-03	3.34E-07	1.31E-07	2.29E-03	3.60E-07	1.11E-06	3.57E-03	5.63E-07	2.21E-07
5884	487549.91, 3860591.97	2.21E-03	3.48E-07	1.37E-07	2.38E-03	3.75E-07	1.15E-06	3.72E-03	5.86E-07	2.30E-07

5885	487550.34, 3860499.23	2.31E-03	3.65E-07	1.43E-07	2.49E-03	3.93E-07	1.21E-06	3.89E-03	6.13E-07	2.41E-07
5886	487550.76, 3860406.49	2.43E-03	3.83E-07	1.51E-07	2.62E-03	4.13E-07	1.27E-06	4.09E-03	6.44E-07	2.53E-07
5887	487551.19, 3860313.75	2.55E-03	4.02E-07	1.58E-07	2.75E-03	4.33E-07	1.33E-06	4.29E-03	6.76E-07	2.66E-07
5888	487551.62, 3860221.01	2.69E-03	4.23E-07	1.66E-07	2.89E-03	4.56E-07	1.40E-06	4.52E-03	7.11E-07	2.79E-07
5889	487552.05, 3860128.27	2.85E-03	4.49E-07	1.76E-07	3.07E-03	4.84E-07	1.49E-06	4.79E-03	7.55E-07	2.96E-07
5890	487552.48, 3860035.53	3.02E-03	4.76E-07	1.87E-07	3.26E-03	5.13E-07	1.58E-06	5.08E-03	8.01E-07	3.14E-07
5891	487552.91, 3859942.79	3.19E-03	5.02E-07	1.97E-07	3.43E-03	5.41E-07	1.67E-06	5.36E-03	8.44E-07	3.31E-07
5892	487553.33, 3859850.05	3.40E-03	5.36E-07	2.11E-07	3.67E-03	5.78E-07	1.78E-06	5.72E-03	9.01E-07	3.54E-07
5893	487553.76, 3859757.31	3.62E-03	5.71E-07	2.24E-07	3.90E-03	6.15E-07	1.89E-06	6.08E-03	9.58E-07	3.76E-07
5894	487554.19, 3859664.57	3.87E-03	6.09E-07	2.39E-07	4.16E-03	6.56E-07	2.02E-06	6.49E-03	1.02E-06	4.02E-07
5895	487460.2, 3859571.05	4.12E-03	6.49E-07	2.55E-07	4.44E-03	6.99E-07	2.15E-06	6.91E-03	1.09E-06	4.28E-07
5896	487365.78, 3859570.27	4.11E-03	6.47E-07	2.54E-07	4.42E-03	6.97E-07	2.15E-06	6.90E-03	1.09E-06	4.27E-07
5897	487271.36, 3859569.48	4.09E-03	6.45E-07	2.53E-07	4.41E-03	6.94E-07	2.14E-06	6.87E-03	1.08E-06	4.25E-07
5898	487176.94, 3859568.7	4.07E-03	6.42E-07	2.52E-07	4.39E-03	6.91E-07	2.13E-06	6.84E-03	1.08E-06	4.23E-07
5899	487082.51, 3859567.92	4.06E-03	6.39E-07	2.51E-07	4.37E-03	6.88E-07	2.12E-06	6.81E-03	1.07E-06	4.22E-07
5900	486988.09, 3859567.14	4.03E-03	6.35E-07	2.50E-07	4.34E-03	6.84E-07	2.11E-06	6.78E-03	1.07E-06	4.19E-07
5901	486893.67, 3859566.36	4.01E-03	6.31E-07	2.48E-07	4.32E-03	6.80E-07	2.09E-06	6.74E-03	1.06E-06	4.17E-07
5902	486799.25, 3859565.58	3.98E-03	6.27E-07	2.46E-07	4.28E-03	6.75E-07	2.08E-06	6.69E-03	1.05E-06	4.14E-07
5903	486704.83, 3859564.79	3.95E-03	6.22E-07	2.44E-07	4.25E-03	6.70E-07	2.06E-06	6.64E-03	1.05E-06	4.11E-07
5904	486610.41, 3859564.01	3.92E-03	6.18E-07	2.43E-07	4.22E-03	6.65E-07	2.05E-06	6.60E-03	1.04E-06	4.08E-07
5905	486515.99, 3859563.23	3.88E-03	6.11E-07	2.40E-07	4.18E-03	6.58E-07	2.03E-06	6.53E-03	1.03E-06	4.04E-07
5906	486421.57, 3859562.45	3.85E-03	6.06E-07	2.38E-07	4.14E-03	6.53E-07	2.01E-06	6.47E-03	1.02E-06	4.01E-07
5907	486327.14, 3859561.67	3.82E-03	6.02E-07	2.36E-07	4.11E-03	6.48E-07	2.00E-06	6.43E-03	1.01E-06	3.98E-07
5908	486232.72, 3859560.89	3.78E-03	5.95E-07	2.34E-07	4.07E-03	6.41E-07	1.98E-06	6.36E-03	1.00E-06	3.94E-07
5909	486138.3, 3859560.1	3.75E-03	5.90E-07	2.32E-07	4.03E-03	6.35E-07	1.96E-06	6.31E-03	9.94E-07	3.90E-07
5910	486043.88, 3859559.32	3.71E-03	5.84E-07	2.30E-07	3.99E-03	6.29E-07	1.94E-06	6.25E-03	9.84E-07	3.87E-07
5911	485949.35, 3859463.54	3.89E-03	6.13E-07	2.41E-07	4.19E-03	6.60E-07	2.03E-06	6.56E-03	1.03E-06	4.06E-07
5912	485949.24, 3859368.55	4.13E-03	6.51E-07	2.56E-07	4.45E-03	7.01E-07	2.16E-06	6.97E-03	1.10E-06	4.31E-07
5913	485949.12, 3859273.55	4.40E-03	6.93E-07	2.72E-07	4.74E-03	7.47E-07	2.30E-06	7.42E-03	1.17E-06	4.59E-07
5914	485949.01, 3859178.56	4.69E-03	7.39E-07	2.90E-07	5.05E-03	7.96E-07	2.45E-06	7.91E-03	1.25E-06	4.90E-07
5915	485948.9, 3859083.56	5.02E-03	7.91E-07	3.11E-07	5.41E-03	8.52E-07	2.63E-06	8.47E-03	1.33E-06	5.24E-07
5916	485948.79, 3858988.56	5.36E-03	8.45E-07	3.32E-07	5.78E-03	9.10E-07	2.80E-06	9.04E-03	1.42E-06	5.60E-07
5917	485948.67, 3858893.57	5.73E-03	9.02E-07	3.55E-07	6.17E-03	9.72E-07	2.99E-06	9.66E-03	1.52E-06	5.98E-07
5918	485948.56, 3858798.57	6.17E-03	9.71E-07	3.82E-07	6.64E-03	1.05E-06	3.22E-06	1.04E-02	1.64E-06	6.43E-07
5919	485948.45, 3858703.58	6.59E-03	1.04E-06	4.08E-07	7.09E-03	1.12E-06	3.44E-06	1.11E-02	1.75E-06	6.87E-07
5920	485948.34, 3858608.58	7.10E-03	1.12E-06	4.40E-07	7.65E-03	1.21E-06	3.71E-06	1.20E-02	1.89E-06	7.41E-07
5921	485948.22, 3858513.59	7.68E-03	1.21E-06	4.75E-07	8.27E-03	1.30E-06	4.01E-06	1.29E-02	2.04E-06	8.00E-07
5922	485948.11, 3858418.59	8.30E-03	1.31E-06	5.14E-07	8.94E-03	1.41E-06	4.34E-06	1.40E-02	2.20E-06	8.65E-07
5923	485948, 3858323.59	9.06E-03	1.43E-06	5.60E-07	9.75E-03	1.54E-06	4.73E-06	1.52E-02	2.40E-06	9.43E-07
5924	485947.89, 3858228.6	9.85E-03	1.55E-06	6.10E-07	1.06E-02	1.67E-06	5.15E-06	1.66E-02	2.61E-06	1.03E-06
5925	485947.77, 3858133.6	1.08E-02	1.69E-06	6.66E-07	1.16E-02	1.82E-06	5.62E-06	1.81E-02	2.85E-06	1.12E-06
5926	485947.66, 3858038.61	1.20E-02	1.89E-06	7.42E-07	1.29E-02	2.03E-06	6.26E-06	2.02E-02	3.18E-06	1.25E-06
5927	485854.54, 3857943.35	1.24E-02	1.96E-06	7.69E-07	1.34E-02	2.11E-06	6.50E-06	2.09E-02	3.29E-06	1.29E-06
5928	485761.52, 3857943.09	1.18E-02	1.85E-06	7.28E-07	1.27E-02	1.99E-06	6.14E-06	1.98E-02	3.11E-06	1.22E-06
5929	485668.51, 3857942.83	1.12E-02	1.77E-06	6.94E-07	1.21E-02	1.90E-06	5.86E-06	1.88E-02	2.97E-06	1.17E-06
5930	485575.5, 3857942.56	1.06E-02	1.68E-06	6.59E-07	1.15E-02	1.81E-06	5.56E-06	1.79E-02	2.82E-06	1.11E-06
5931	485482.48, 3857942.3	1.02E-02	1.60E-06	6.30E-07	1.10E-02	1.73E-06	5.32E-06	1.71E-02	2.70E-06	1.06E-06
5932	485389.47, 3857942.04	9.75E-03	1.54E-06	6.03E-07	1.05E-02	1.65E-06	5.09E-06	1.64E-02	2.58E-06	1.01E-06
5933	485296.46, 3857941.78	9.35E-03	1.47E-06	5.78E-07	1.01E-02	1.59E-06	4.88E-06	1.57E-02	2.48E-06	9.74E-07
5934	485203.45, 3857941.52	9.02E-03	1.42E-06	5.58E-07	9.72E-03	1.53E-06	4.71E-06	1.52E-02	2.39E-06	9.40E-07
5935	485110.43, 3857941.26	8.66E-03	1.36E-06	5.36E-07	9.33E-03	1.47E-06	4.53E-06	1.46E-02	2.30E-06	9.03E-07
5936	485017.42, 3857940.99	8.31E-03	1.31E-06	5.14E-07	8.95E-03	1.41E-06	4.34E-06	1.40E-02	2.20E-06	8.66E-07
5937	484924.41, 3857940.73	7.98E-03	1.26E-06	4.94E-07	8.59E-03	1.35E-06	4.17E-06	1.34E-02	2.12E-06	8.32E-07
5938	484831.39, 3857940.47	7.70E-03	1.21E-06	4.76E-07	8.29E-03	1.31E-06	4.02E-06	1.30E-02	2.04E-06	8.03E-07
5939	484738.12, 3857859.3	7.79E-03	1.23E-06	4.82E-07	8.39E-03	1.32E-06	4.07E-06	1.31E-02	2.07E-06	8.13E-07
5940	484737.85, 3857778.4	8.22E-03	1.29E-06	5.09E-07	8.85E-03	1.39E-06	4.30E-06	1.38E-02	2.18E-06	8.57E-07
5941	484737.59, 3857697.49	8.66E-03	1.36E-06	5.36E-07	9.33E-03	1.47E-06	4.53E-06	1.46E-02	2.30E-06	9.03E-07
5942	484737.32, 3857616.59	9.11E-03	1.44E-06	5.64E-07	9.82E-03	1.55E-06	4.76E-06	1.53E-02	2.42E-06	9.50E-07
5943	484645.53, 3857535.18	9.23E-03	1.45E-06	5.71E-07	9.94E-03	1.57E-06	4.82E-06	1.55E-02	2.45E-06	9.62E-07
5944	484553.99, 3857534.67	8.84E-03	1.39E-06	5.47E-07	9.52E-03	1.50E-06	4.62E-06	1.49E-02	2.35E-06	9.22E-07
5945	484462.46, 3857534.17	8.51E-03	1.34E-06	5.27E-07	9.17E-03	1.44E-06	4.45E-06	1.43E-02	2.26E-06	8.88E-07
5946	484370.93, 3857533.66	8.19E-03	1.29E-06	5.07E-07	8.83E-03	1.39E-06	4.28E-06	1.38E-02	2.18E-06	8.55E-07
5947	484279.4, 3857533.16	7.90E-03	1.24E-06	4.89E-07	8.51E-03	1.34E-06	4.13E-06	1.33E-02	2.10E-06	8.25E-07
5948	484187.86, 3857532.65	7.62E-03	1.20E-06	4.71E-07	8.20E-03	1.29E-06	3.98E-06	1.29E-02	2.02E-06	7.95E-07

5949	484096.33, 3857532.15	7.36E-03	1.16E-06	4.56E-07	7.93E-03	1.25E-06	3.85E-06	1.24E-02	1.96E-06	7.70E-07
5950	484004.8, 3857531.64	7.10E-03	1.12E-06	4.39E-07	7.65E-03	1.21E-06	3.71E-06	1.20E-02	1.89E-06	7.42E-07
5951	483913.27, 3857531.14	6.82E-03	1.08E-06	4.22E-07	7.35E-03	1.16E-06	3.57E-06	1.15E-02	1.82E-06	7.14E-07
5952	483821.73, 3857530.63	6.59E-03	1.04E-06	4.08E-07	7.10E-03	1.12E-06	3.44E-06	1.11E-02	1.75E-06	6.89E-07
5953	483729.61, 3857450.11	6.62E-03	1.04E-06	4.09E-07	7.13E-03	1.12E-06	3.46E-06	1.12E-02	1.76E-06	6.92E-07
5954	483729.03, 3857370.08	6.92E-03	1.09E-06	4.28E-07	7.45E-03	1.17E-06	3.62E-06	1.17E-02	1.84E-06	7.24E-07
5955	483728.44, 3857290.06	7.20E-03	1.13E-06	4.46E-07	7.76E-03	1.22E-06	3.76E-06	1.22E-02	1.92E-06	7.53E-07
5956	483727.86, 3857210.03	7.49E-03	1.18E-06	4.63E-07	8.07E-03	1.27E-06	3.92E-06	1.27E-02	1.99E-06	7.83E-07
5957	483641.15, 3857129.07	7.53E-03	1.19E-06	4.66E-07	8.12E-03	1.28E-06	3.94E-06	1.27E-02	2.01E-06	7.88E-07
5958	483555.03, 3857128.14	7.27E-03	1.14E-06	4.50E-07	7.83E-03	1.23E-06	3.80E-06	1.23E-02	1.94E-06	7.61E-07
5959	483468.91, 3857127.2	6.97E-03	1.10E-06	4.31E-07	7.51E-03	1.18E-06	3.65E-06	1.18E-02	1.86E-06	7.30E-07
5960	483382.78, 3857126.26	6.76E-03	1.06E-06	4.18E-07	7.29E-03	1.15E-06	3.53E-06	1.14E-02	1.80E-06	7.08E-07
5961	483296.66, 3857125.32	6.53E-03	1.03E-06	4.04E-07	7.04E-03	1.11E-06	3.41E-06	1.11E-02	1.74E-06	6.84E-07
5962	483210.54, 3857124.39	6.30E-03	9.92E-07	3.90E-07	6.79E-03	1.07E-06	3.29E-06	1.07E-02	1.68E-06	6.60E-07
5963	483123.4, 3857030.96	6.33E-03	9.98E-07	3.92E-07	6.83E-03	1.08E-06	3.31E-06	1.07E-02	1.69E-06	6.64E-07
5964	483122.38, 3856938.46	6.61E-03	1.04E-06	4.09E-07	7.13E-03	1.12E-06	3.46E-06	1.12E-02	1.77E-06	6.94E-07
5965	483121.35, 3856845.97	6.90E-03	1.09E-06	4.27E-07	7.44E-03	1.17E-06	3.61E-06	1.17E-02	1.84E-06	7.24E-07
5966	483120.33, 3856753.47	7.15E-03	1.13E-06	4.43E-07	7.71E-03	1.21E-06	3.74E-06	1.21E-02	1.91E-06	7.50E-07
5967	483119.31, 3856660.98	7.41E-03	1.17E-06	4.59E-07	7.99E-03	1.26E-06	3.88E-06	1.26E-02	1.98E-06	7.78E-07
5968	483118.29, 3856568.49	7.71E-03	1.22E-06	4.77E-07	8.32E-03	1.31E-06	4.04E-06	1.31E-02	2.06E-06	8.10E-07
5969	483117.26, 3856475.99	8.05E-03	1.27E-06	4.98E-07	8.68E-03	1.37E-06	4.21E-06	1.37E-02	2.15E-06	8.45E-07
5970	483116.24, 3856383.5	8.38E-03	1.32E-06	5.19E-07	9.03E-03	1.42E-06	4.38E-06	1.42E-02	2.24E-06	8.80E-07
5971	483115.22, 3856291.01	8.74E-03	1.38E-06	5.41E-07	9.42E-03	1.48E-06	4.57E-06	1.48E-02	2.34E-06	9.18E-07
5972	483114.2, 3856198.51	9.08E-03	1.43E-06	5.62E-07	9.79E-03	1.54E-06	4.75E-06	1.54E-02	2.43E-06	9.54E-07
5973	483113.17, 3856106.02	9.55E-03	1.50E-06	5.91E-07	1.03E-02	1.62E-06	5.00E-06	1.62E-02	2.56E-06	1.00E-06
5974	483112.15, 3856013.52	9.99E-03	1.57E-06	6.18E-07	1.08E-02	1.70E-06	5.23E-06	1.70E-02	2.67E-06	1.05E-06
5975	483029.25, 3855920.47	1.00E-02	1.57E-06	6.19E-07	1.08E-02	1.70E-06	5.23E-06	1.70E-02	2.68E-06	1.05E-06
5976	482947.37, 3855919.91	9.50E-03	1.50E-06	5.88E-07	1.02E-02	1.61E-06	4.97E-06	1.62E-02	2.55E-06	1.00E-06
5977	482865.49, 3855919.36	9.01E-03	1.42E-06	5.58E-07	9.72E-03	1.53E-06	4.72E-06	1.54E-02	2.42E-06	9.50E-07
5978	482783.61, 3855918.8	8.60E-03	1.36E-06	5.33E-07	9.28E-03	1.46E-06	4.50E-06	1.47E-02	2.31E-06	9.08E-07
5979	482700.33, 3855818.39	8.53E-03	1.34E-06	5.28E-07	9.20E-03	1.45E-06	4.46E-06	1.46E-02	2.29E-06	9.01E-07
5980	482698.92, 3855718.54	8.94E-03	1.41E-06	5.53E-07	9.64E-03	1.52E-06	4.68E-06	1.53E-02	2.40E-06	9.45E-07
5981	482697.52, 3855618.68	9.32E-03	1.47E-06	5.77E-07	1.01E-02	1.58E-06	4.88E-06	1.59E-02	2.51E-06	9.87E-07
5982	482696.11, 3855518.83	9.82E-03	1.55E-06	6.08E-07	1.06E-02	1.67E-06	5.14E-06	1.68E-02	2.65E-06	1.04E-06
5983	482694.71, 3855418.98	1.03E-02	1.62E-06	6.36E-07	1.11E-02	1.75E-06	5.38E-06	1.76E-02	2.77E-06	1.09E-06
5984	482693.3, 3855319.13	1.08E-02	1.70E-06	6.66E-07	1.16E-02	1.83E-06	5.64E-06	1.85E-02	2.91E-06	1.14E-06
5985	482691.9, 3855219.27	1.14E-02	1.79E-06	7.04E-07	1.23E-02	1.94E-06	5.96E-06	1.96E-02	3.09E-06	1.21E-06
5986	482690.49, 3855119.42	1.20E-02	1.89E-06	7.41E-07	1.29E-02	2.04E-06	6.28E-06	2.07E-02	3.26E-06	1.28E-06
5987	482689.09, 3855019.57	1.29E-02	2.03E-06	7.96E-07	1.39E-02	2.19E-06	6.74E-06	2.23E-02	3.51E-06	1.38E-06
5988	482687.68, 3854919.72	1.36E-02	2.15E-06	8.43E-07	1.47E-02	2.32E-06	7.15E-06	2.37E-02	3.73E-06	1.47E-06
5989	482686.28, 3854819.86	1.46E-02	2.30E-06	9.04E-07	1.58E-02	2.49E-06	7.66E-06	2.55E-02	4.01E-06	1.58E-06
5990	482684.88, 3854720.01	1.54E-02	2.42E-06	9.50E-07	1.66E-02	2.62E-06	8.06E-06	2.69E-02	4.24E-06	1.67E-06
5991	482683.47, 3854620.16	1.63E-02	2.57E-06	1.01E-06	1.77E-02	2.78E-06	8.57E-06	2.87E-02	4.52E-06	1.78E-06
5992	482682.07, 3854520.31	1.67E-02	2.63E-06	1.03E-06	1.81E-02	2.85E-06	8.77E-06	2.95E-02	4.64E-06	1.82E-06
5993	482680.66, 3854420.45	1.65E-02	2.59E-06	1.02E-06	1.79E-02	2.81E-06	8.66E-06	2.92E-02	4.60E-06	1.81E-06
5994	482679.26, 3854320.6	1.58E-02	2.48E-06	9.76E-07	1.71E-02	2.70E-06	8.30E-06	2.81E-02	4.43E-06	1.74E-06
5995	482677.85, 3854220.75	1.53E-02	2.41E-06	9.46E-07	1.66E-02	2.61E-06	8.05E-06	2.72E-02	4.29E-06	1.68E-06
5996	482676.45, 3854120.9	1.38E-02	2.17E-06	8.52E-07	1.49E-02	2.35E-06	7.24E-06	2.44E-02	3.85E-06	1.51E-06
5997	482675.04, 3854021.04	1.23E-02	1.94E-06	7.62E-07	1.33E-02	2.10E-06	6.47E-06	2.17E-02	3.41E-06	1.34E-06
5998	482673.64, 3853921.19	1.07E-02	1.69E-06	6.65E-07	1.16E-02	1.83E-06	5.63E-06	1.86E-02	2.93E-06	1.15E-06
5999	482672.23, 3853821.34	9.36E-03	1.47E-06	5.79E-07	1.01E-02	1.59E-06	4.89E-06	1.58E-02	2.49E-06	9.79E-07
6000	482670.83, 3853721.49	7.86E-03	1.24E-06	4.86E-07	8.43E-03	1.33E-06	4.09E-06	1.28E-02	2.02E-06	7.94E-07
6001	482669.42, 3853621.63	6.48E-03	1.02E-06	4.01E-07	6.92E-03	1.09E-06	3.36E-06	1.02E-02	1.60E-06	6.30E-07
6002	482645.99, 3853446.13	4.47E-03	7.04E-07	2.77E-07	4.78E-03	7.53E-07	2.32E-06	7.10E-03	1.12E-06	4.39E-07
6003	482623.97, 3853370.49	3.80E-03	5.99E-07	2.35E-07	4.08E-03	6.42E-07	1.98E-06	6.17E-03	9.72E-07	3.82E-07
6004	482601.94, 3853294.84	3.36E-03	5.30E-07	2.08E-07	3.61E-03	5.69E-07	1.75E-06	5.53E-03	8.72E-07	3.42E-07
6005	482531.29, 3853133.44	2.78E-03	4.38E-07	1.72E-07	2.99E-03	4.71E-07	1.45E-06	4.63E-03	7.30E-07	2.87E-07
6006	482482.68, 3853047.69	2.57E-03	4.05E-07	1.59E-07	2.77E-03	4.36E-07	1.34E-06	4.30E-03	6.77E-07	2.66E-07
6007	482383.09, 3852897.4	2.28E-03	3.59E-07	1.41E-07	2.45E-03	3.86E-07	1.19E-06	3.82E-03	6.02E-07	2.36E-07
6008	482265.64, 3852765.26	2.09E-03	3.29E-07	1.29E-07	2.25E-03	3.54E-07	1.09E-06	3.51E-03	5.53E-07	2.17E-07
6009	482199.16, 3852697.66	2.01E-03	3.16E-07	1.24E-07	2.16E-03	3.41E-07	1.05E-06	3.38E-03	5.32E-07	2.09E-07
6010	482132.69, 3852630.07	1.93E-03	3.04E-07	1.20E-07	2.08E-03	3.28E-07	1.01E-06	3.25E-03	5.12E-07	2.01E-07
6011	482066.21, 3852562.48	1.86E-03	2.93E-07	1.15E-07	2.01E-03	3.16E-07	9.73E-07	3.14E-03	4.94E-07	1.94E-07
6012	481999.74, 3852494.89	1.80E-03	2.83E-07	1.11E-07	1.93E-03	3.05E-07	9.38E-07	3.02E-03	4.76E-07	1.87E-07

6013	481933.26, 3852427.29	1.73E-03	2.73E-07	1.07E-07	1.87E-03	2.94E-07	9.05E-07	2.92E-03	4.60E-07	1.81E-07
6014	481866.79, 3852359.7	1.67E-03	2.63E-07	1.04E-07	1.80E-03	2.84E-07	8.74E-07	2.82E-03	4.44E-07	1.75E-07
6015	481800.31, 3852292.11	1.62E-03	2.54E-07	1.00E-07	1.74E-03	2.74E-07	8.44E-07	2.72E-03	4.29E-07	1.69E-07
6016	481733.84, 3852224.52	1.56E-03	2.46E-07	9.66E-08	1.68E-03	2.65E-07	8.16E-07	2.63E-03	4.15E-07	1.63E-07
6017	481667.36, 3852156.92	1.51E-03	2.38E-07	9.34E-08	1.63E-03	2.56E-07	7.89E-07	2.55E-03	4.01E-07	1.58E-07
6018	481600.89, 3852089.33	1.46E-03	2.30E-07	9.05E-08	1.58E-03	2.48E-07	7.65E-07	2.47E-03	3.89E-07	1.53E-07
6019	481534.41, 3852021.74	1.42E-03	2.24E-07	8.79E-08	1.53E-03	2.41E-07	7.42E-07	2.40E-03	3.78E-07	1.48E-07
6020	481467.94, 3851954.15	1.38E-03	2.17E-07	8.53E-08	1.49E-03	2.34E-07	7.21E-07	2.33E-03	3.67E-07	1.44E-07
6021	481401.46, 3851886.55	1.34E-03	2.11E-07	8.28E-08	1.44E-03	2.27E-07	6.99E-07	2.26E-03	3.56E-07	1.40E-07
6022	481265.87, 3851761.43	1.27E-03	2.00E-07	7.87E-08	1.37E-03	2.16E-07	6.65E-07	2.15E-03	3.38E-07	1.33E-07
6023	481196.74, 3851703.89	1.24E-03	1.96E-07	7.70E-08	1.34E-03	2.11E-07	6.50E-07	2.10E-03	3.31E-07	1.30E-07
6024	481076.33, 3851619.05	1.21E-03	1.90E-07	7.48E-08	1.30E-03	2.05E-07	6.32E-07	2.04E-03	3.22E-07	1.26E-07
6025	480939.8, 3851549.07	1.18E-03	1.86E-07	7.32E-08	1.27E-03	2.01E-07	6.18E-07	2.00E-03	3.15E-07	1.24E-07
6026	480854.56, 3851506.41	1.17E-03	1.84E-07	7.23E-08	1.26E-03	1.98E-07	6.11E-07	1.98E-03	3.11E-07	1.22E-07
6027	480769.32, 3851463.75	1.15E-03	1.82E-07	7.14E-08	1.24E-03	1.96E-07	6.04E-07	1.96E-03	3.08E-07	1.21E-07
6028	480684.08, 3851421.08	1.14E-03	1.80E-07	7.05E-08	1.23E-03	1.94E-07	5.96E-07	1.93E-03	3.05E-07	1.20E-07
6029	480598.84, 3851378.42	1.13E-03	1.77E-07	6.96E-08	1.21E-03	1.91E-07	5.89E-07	1.91E-03	3.01E-07	1.18E-07
6030	480435.71, 3851275.01	1.09E-03	1.71E-07	6.72E-08	1.17E-03	1.84E-07	5.68E-07	1.85E-03	2.91E-07	1.14E-07
6031	480347.85, 3851232.36	1.07E-03	1.68E-07	6.61E-08	1.15E-03	1.81E-07	5.59E-07	1.82E-03	2.87E-07	1.13E-07
6032	480260, 3851189.72	1.05E-03	1.65E-07	6.50E-08	1.13E-03	1.78E-07	5.50E-07	1.79E-03	2.82E-07	1.11E-07
6033	480172.15, 3851147.07	1.03E-03	1.62E-07	6.37E-08	1.11E-03	1.75E-07	5.39E-07	1.76E-03	2.77E-07	1.09E-07
6034	480084.29, 3851104.42	1.01E-03	1.59E-07	6.24E-08	1.09E-03	1.71E-07	5.28E-07	1.72E-03	2.71E-07	1.06E-07
6035	479996.44, 3851061.77	9.85E-04	1.55E-07	6.10E-08	1.06E-03	1.67E-07	5.16E-07	1.68E-03	2.65E-07	1.04E-07
6036	479908.58, 3851019.13	9.55E-04	1.51E-07	5.91E-08	1.03E-03	1.62E-07	5.00E-07	1.63E-03	2.57E-07	1.01E-07
6037	479820.73, 3850976.48	9.29E-04	1.46E-07	5.75E-08	1.00E-03	1.58E-07	4.86E-07	1.58E-03	2.50E-07	9.81E-08
6038	479732.88, 3850933.83	9.00E-04	1.42E-07	5.57E-08	9.71E-04	1.53E-07	4.71E-07	1.54E-03	2.42E-07	9.51E-08
6039	479645.02, 3850891.18	8.73E-04	1.37E-07	5.40E-08	9.41E-04	1.48E-07	4.57E-07	1.49E-03	2.34E-07	9.21E-08
6040	479557.17, 3850848.54	8.45E-04	1.33E-07	5.23E-08	9.12E-04	1.44E-07	4.42E-07	1.44E-03	2.27E-07	8.92E-08
6041	479469.32, 3850805.89	8.14E-04	1.28E-07	5.04E-08	8.78E-04	1.38E-07	4.26E-07	1.39E-03	2.18E-07	8.58E-08
6042	479381.46, 3850763.24	7.88E-04	1.24E-07	4.88E-08	8.50E-04	1.34E-07	4.12E-07	1.34E-03	2.11E-07	8.30E-08
6043	479293.61, 3850720.59	7.65E-04	1.20E-07	4.73E-08	8.25E-04	1.30E-07	4.00E-07	1.30E-03	2.05E-07	8.04E-08
6044	479205.76, 3850677.95	7.40E-04	1.17E-07	4.58E-08	7.98E-04	1.26E-07	3.87E-07	1.26E-03	1.98E-07	7.78E-08
6045	479117.9, 3850635.3	7.17E-04	1.13E-07	4.44E-08	7.73E-04	1.22E-07	3.75E-07	1.22E-03	1.92E-07	7.52E-08
6046	479030.05, 3850592.65	6.94E-04	1.09E-07	4.30E-08	7.48E-04	1.18E-07	3.63E-07	1.17E-03	1.85E-07	7.27E-08
6047	478942.19, 3850550	6.65E-04	1.05E-07	4.12E-08	7.17E-04	1.13E-07	3.48E-07	1.13E-03	1.77E-07	6.97E-08
6048	478854.34, 3850507.36	6.26E-04	9.87E-08	3.88E-08	6.75E-04	1.06E-07	3.28E-07	1.06E-03	1.67E-07	6.57E-08
6049	478766.49, 3850464.71	5.98E-04	9.42E-08	3.70E-08	6.44E-04	1.01E-07	3.13E-07	1.01E-03	1.59E-07	6.27E-08
6050	478678.63, 3850422.06	5.73E-04	9.02E-08	3.55E-08	6.17E-04	9.73E-08	3.00E-07	9.70E-04	1.53E-07	6.00E-08
6051	478590.78, 3850379.41	5.49E-04	8.64E-08	3.40E-08	5.91E-04	9.32E-08	2.87E-07	9.29E-04	1.46E-07	5.75E-08
6052	478502.93, 3850336.77	5.29E-04	8.33E-08	3.27E-08	5.70E-04	8.98E-08	2.77E-07	8.96E-04	1.41E-07	5.54E-08
6053	478415.07, 3850294.12	5.12E-04	8.06E-08	3.17E-08	5.52E-04	8.69E-08	2.68E-07	8.67E-04	1.37E-07	5.36E-08
6054	478327.22, 3850251.47	4.93E-04	7.77E-08	3.05E-08	5.31E-04	8.37E-08	2.58E-07	8.35E-04	1.32E-07	5.17E-08
6055	478239.36, 3850208.82	4.77E-04	7.51E-08	2.95E-08	5.14E-04	8.10E-08	2.49E-07	8.08E-04	1.27E-07	5.00E-08
6056	478151.51, 3850166.18	4.64E-04	7.30E-08	2.87E-08	5.00E-04	7.87E-08	2.42E-07	7.85E-04	1.24E-07	4.86E-08
6057	478063.66, 3850123.53	4.51E-04	7.11E-08	2.79E-08	4.86E-04	7.66E-08	2.36E-07	7.64E-04	1.20E-07	4.73E-08
6058	477975.8, 3850080.88	4.54E-04	7.15E-08	2.81E-08	4.89E-04	7.71E-08	2.37E-07	7.67E-04	1.21E-07	4.75E-08
6059	477887.95, 3850038.23	4.48E-04	7.06E-08	2.77E-08	4.83E-04	7.60E-08	2.34E-07	7.57E-04	1.19E-07	4.68E-08
6060	477800.1, 3849995.59	4.44E-04	7.00E-08	2.75E-08	4.79E-04	7.54E-08	2.32E-07	7.50E-04	1.18E-07	4.64E-08
6061	477712.24, 3849952.94	4.37E-04	6.89E-08	2.71E-08	4.71E-04	7.42E-08	2.29E-07	7.38E-04	1.16E-07	4.57E-08
6062	477624.39, 3849910.29	4.31E-04	6.80E-08	2.67E-08	4.65E-04	7.32E-08	2.26E-07	7.28E-04	1.15E-07	4.51E-08
6063	477536.54, 3849867.64	4.27E-04	6.72E-08	2.64E-08	4.60E-04	7.24E-08	2.23E-07	7.20E-04	1.13E-07	4.46E-08
6064	477448.68, 3849825	4.21E-04	6.63E-08	2.60E-08	4.53E-04	7.14E-08	2.20E-07	7.10E-04	1.12E-07	4.39E-08
6065	477360.83, 3849782.35	4.16E-04	6.55E-08	2.57E-08	4.48E-04	7.05E-08	2.17E-07	7.01E-04	1.10E-07	4.34E-08
6066	477272.97, 3849739.7	4.10E-04	6.47E-08	2.54E-08	4.42E-04	6.97E-08	2.15E-07	6.93E-04	1.09E-07	4.29E-08
6067	477185.12, 3849697.05	4.07E-04	6.41E-08	2.52E-08	4.38E-04	6.90E-08	2.13E-07	6.86E-04	1.08E-07	4.25E-08
6068	477097.27, 3849654.41	4.02E-04	6.33E-08	2.49E-08	4.33E-04	6.82E-08	2.10E-07	6.79E-04	1.07E-07	4.20E-08
6069	477009.41, 3849611.76	3.94E-04	6.21E-08	2.44E-08	4.24E-04	6.69E-08	2.06E-07	6.66E-04	1.05E-07	4.12E-08
6070	476841.49, 3849530.08	3.86E-04	6.08E-08	2.39E-08	4.16E-04	6.55E-08	2.02E-07	6.53E-04	1.03E-07	4.04E-08
6071	476761.41, 3849491.05	3.83E-04	6.04E-08	2.37E-08	4.13E-04	6.51E-08	2.00E-07	6.49E-04	1.02E-07	4.02E-08
6072	476681.34, 3849452.02	3.79E-04	5.98E-08	2.35E-08	4.09E-04	6.44E-08	1.98E-07	6.43E-04	1.01E-07	3.98E-08
6073	476601.26, 3849412.99	3.75E-04	5.90E-08	2.32E-08	4.04E-04	6.36E-08	1.96E-07	6.35E-04	1.00E-07	3.93E-08
6074	476456.32, 3849353.67	3.65E-04	5.76E-08	2.26E-08	3.94E-04	6.21E-08	1.91E-07	6.20E-04	9.77E-08	3.84E-08
6075	476305.43, 3849318.84	3.69E-04	5.81E-08	2.28E-08	3.98E-04	6.26E-08	1.93E-07	6.25E-04	9.85E-08	3.87E-08
6076	476129.36, 3849289.99	3.70E-04	5.83E-08	2.29E-08	3.99E-04	6.29E-08	1.94E-07	6.28E-04	9.89E-08	3.89E-08

6077	476039.31, 3849275.68	3.71E-04	5.85E-08	2.30E-08	4.00E-04	6.30E-08	1.94E-07	6.30E-04	9.92E-08	3.90E-08
6078	475949.26, 3849261.38	3.67E-04	5.78E-08	2.27E-08	3.96E-04	6.24E-08	1.92E-07	6.23E-04	9.82E-08	3.86E-08
6079	475859.21, 3849247.08	3.67E-04	5.77E-08	2.27E-08	3.95E-04	6.23E-08	1.92E-07	6.22E-04	9.80E-08	3.85E-08
6080	475769.16, 3849232.77	3.65E-04	5.75E-08	2.26E-08	3.93E-04	6.20E-08	1.91E-07	6.20E-04	9.76E-08	3.83E-08
6081	475585.23, 3849219.27	3.21E-04	5.05E-08	1.98E-08	3.46E-04	5.45E-08	1.68E-07	5.46E-04	8.60E-08	3.38E-08
6082	475444.5, 3849150.35	3.43E-04	5.41E-08	2.12E-08	3.70E-04	5.83E-08	1.80E-07	5.84E-04	9.20E-08	3.61E-08
6083	475334.18, 3849118.71	3.47E-04	5.46E-08	2.15E-08	3.74E-04	5.89E-08	1.81E-07	5.90E-04	9.29E-08	3.65E-08
6084	475230.47, 3849060.57	3.43E-04	5.40E-08	2.12E-08	3.69E-04	5.82E-08	1.79E-07	5.83E-04	9.18E-08	3.61E-08
6085	475110.86, 3848960.97	3.34E-04	5.25E-08	2.06E-08	3.60E-04	5.67E-08	1.75E-07	5.67E-04	8.94E-08	3.51E-08
6086	475037.79, 3848896.28	3.25E-04	5.13E-08	2.01E-08	3.51E-04	5.53E-08	1.70E-07	5.54E-04	8.72E-08	3.43E-08
6087	474964.72, 3848831.59	3.18E-04	5.01E-08	1.97E-08	3.43E-04	5.40E-08	1.66E-07	5.41E-04	8.52E-08	3.35E-08
6088	474891.65, 3848766.9	3.13E-04	4.93E-08	1.94E-08	3.37E-04	5.31E-08	1.64E-07	5.32E-04	8.38E-08	3.29E-08
6089	474818.58, 3848702.22	3.09E-04	4.87E-08	1.91E-08	3.33E-04	5.25E-08	1.62E-07	5.26E-04	8.28E-08	3.25E-08
6090	474745.51, 3848637.53	3.11E-04	4.90E-08	1.93E-08	3.36E-04	5.29E-08	1.63E-07	5.29E-04	8.34E-08	3.27E-08
6091	474672.44, 3848572.84	3.09E-04	4.87E-08	1.91E-08	3.33E-04	5.25E-08	1.62E-07	5.26E-04	8.28E-08	3.25E-08
6092	474599.37, 3848508.15	3.03E-04	4.77E-08	1.87E-08	3.26E-04	5.14E-08	1.58E-07	5.15E-04	8.11E-08	3.18E-08
6093	474526.3, 3848443.46	2.98E-04	4.70E-08	1.85E-08	3.22E-04	5.07E-08	1.56E-07	5.07E-04	7.99E-08	3.14E-08

Block Swap Yard - Park Risk

Rec#	X, Y	2028 RD Concentrat	Dose	Risk	2033 RD Concentrat	Dose	Risk	2048 RD Concentrat	Dose	Risk
1	485973.61, 3854936.51	1.17E-02	3.69E-06	1.57E-06	1.26E-02	3.98E-06	1.69E-06	1.98E-02	6.26E-06	2.66E-06
2	486023.61, 3854936.51	1.14E-02	3.59E-06	1.52E-06	1.23E-02	3.87E-06	1.64E-06	1.93E-02	6.08E-06	2.58E-06
3	486073.61, 3854936.51	1.11E-02	3.51E-06	1.49E-06	1.20E-02	3.78E-06	1.61E-06	1.89E-02	5.96E-06	2.53E-06
4	486123.61, 3854936.51	1.07E-02	3.37E-06	1.43E-06	1.15E-02	3.63E-06	1.54E-06	1.81E-02	5.72E-06	2.43E-06
5	486173.61, 3854936.51	1.06E-02	3.34E-06	1.42E-06	1.14E-02	3.60E-06	1.53E-06	1.80E-02	5.67E-06	2.40E-06
6	486223.61, 3854936.51	1.03E-02	3.25E-06	1.38E-06	1.11E-02	3.50E-06	1.49E-06	1.75E-02	5.51E-06	2.34E-06
7	486273.61, 3854936.51	1.01E-02	3.18E-06	1.35E-06	1.09E-02	3.43E-06	1.45E-06	1.71E-02	5.40E-06	2.29E-06
8	486323.61, 3854936.51	9.88E-03	3.12E-06	1.32E-06	1.06E-02	3.36E-06	1.43E-06	1.68E-02	5.30E-06	2.25E-06
9	485973.61, 3854986.51	1.25E-02	3.94E-06	1.67E-06	1.35E-02	4.25E-06	1.80E-06	2.12E-02	6.68E-06	2.83E-06
10	486023.61, 3854986.51	1.22E-02	3.84E-06	1.63E-06	1.31E-02	4.14E-06	1.76E-06	2.06E-02	6.51E-06	2.76E-06
11	486073.61, 3854986.51	1.18E-02	3.72E-06	1.58E-06	1.27E-02	4.01E-06	1.70E-06	2.00E-02	6.31E-06	2.68E-06
12	486123.61, 3854986.51	1.15E-02	3.61E-06	1.53E-06	1.23E-02	3.90E-06	1.65E-06	1.94E-02	6.13E-06	2.60E-06
13	486173.61, 3854986.51	1.12E-02	3.55E-06	1.51E-06	1.21E-02	3.83E-06	1.62E-06	1.91E-02	6.02E-06	2.55E-06
14	486223.61, 3854986.51	1.09E-02	3.45E-06	1.46E-06	1.18E-02	3.71E-06	1.58E-06	1.85E-02	5.85E-06	2.48E-06
15	486273.61, 3854986.51	1.06E-02	3.34E-06	1.42E-06	1.14E-02	3.60E-06	1.53E-06	1.80E-02	5.67E-06	2.40E-06
16	486323.61, 3854986.51	1.05E-02	3.32E-06	1.41E-06	1.13E-02	3.58E-06	1.52E-06	1.78E-02	5.63E-06	2.39E-06
17	485973.61, 3855036.51	1.33E-02	4.21E-06	1.79E-06	1.44E-02	4.54E-06	1.93E-06	2.26E-02	7.13E-06	3.03E-06
18	486023.61, 3855036.51	1.30E-02	4.09E-06	1.73E-06	1.40E-02	4.41E-06	1.87E-06	2.19E-02	6.92E-06	2.94E-06
19	486073.61, 3855036.51	1.25E-02	3.94E-06	1.67E-06	1.35E-02	4.25E-06	1.80E-06	2.12E-02	6.68E-06	2.83E-06
20	486123.61, 3855036.51	1.21E-02	3.83E-06	1.62E-06	1.31E-02	4.13E-06	1.75E-06	2.06E-02	6.49E-06	2.75E-06
21	486173.61, 3855036.51	1.19E-02	3.76E-06	1.60E-06	1.28E-02	4.05E-06	1.72E-06	2.02E-02	6.38E-06	2.70E-06
22	486223.61, 3855036.51	1.15E-02	3.63E-06	1.54E-06	1.24E-02	3.91E-06	1.66E-06	1.95E-02	6.16E-06	2.61E-06
23	486273.61, 3855036.51	1.13E-02	3.58E-06	1.52E-06	1.22E-02	3.86E-06	1.64E-06	1.92E-02	6.07E-06	2.58E-06
24	486323.61, 3855036.51	1.10E-02	3.49E-06	1.48E-06	1.19E-02	3.76E-06	1.59E-06	1.87E-02	5.92E-06	2.51E-06
25	485973.61, 3855086.51	1.42E-02	4.48E-06	1.90E-06	1.53E-02	4.83E-06	2.05E-06	2.40E-02	7.58E-06	3.22E-06
26	486023.61, 3855086.51	1.38E-02	4.37E-06	1.85E-06	1.49E-02	4.70E-06	2.00E-06	2.34E-02	7.39E-06	3.13E-06
27	486073.61, 3855086.51	1.33E-02	4.20E-06	1.78E-06	1.43E-02	4.53E-06	1.92E-06	2.25E-02	7.11E-06	3.02E-06
28	486123.61, 3855086.51	1.30E-02	4.10E-06	1.74E-06	1.40E-02	4.42E-06	1.87E-06	2.20E-02	6.94E-06	2.95E-06
29	486173.61, 3855086.51	1.25E-02	3.96E-06	1.68E-06	1.35E-02	4.27E-06	1.81E-06	2.13E-02	6.71E-06	2.85E-06
30	486223.61, 3855086.51	1.23E-02	3.87E-06	1.64E-06	1.32E-02	4.17E-06	1.77E-06	2.08E-02	6.55E-06	2.78E-06
31	485973.61, 3855136.51	1.52E-02	4.79E-06	2.03E-06	1.64E-02	5.17E-06	2.19E-06	2.57E-02	8.11E-06	3.44E-06
32	486023.61, 3855136.51	1.47E-02	4.64E-06	1.97E-06	1.58E-02	5.00E-06	2.12E-06	2.49E-02	7.85E-06	3.33E-06
33	486073.61, 3855136.51	1.42E-02	4.49E-06	1.90E-06	1.53E-02	4.84E-06	2.05E-06	2.41E-02	7.59E-06	3.22E-06
34	486123.61, 3855136.51	1.38E-02	4.35E-06	1.85E-06	1.49E-02	4.69E-06	1.99E-06	2.34E-02	7.37E-06	3.13E-06
35	486173.61, 3855136.51	1.34E-02	4.22E-06	1.79E-06	1.44E-02	4.54E-06	1.93E-06	2.26E-02	7.14E-06	3.03E-06
36	486223.61, 3855136.51	1.30E-02	4.10E-06	1.74E-06	1.40E-02	4.42E-06	1.87E-06	2.20E-02	6.94E-06	2.95E-06
37	485973.61, 3855186.51	1.62E-02	5.12E-06	2.17E-06	1.75E-02	5.52E-06	2.34E-06	2.75E-02	8.67E-06	3.68E-06
38	486023.61, 3855186.51	1.57E-02	4.96E-06	2.11E-06	1.69E-02	5.35E-06	2.27E-06	2.66E-02	8.39E-06	3.56E-06
39	486073.61, 3855186.51	1.51E-02	4.77E-06	2.02E-06	1.63E-02	5.14E-06	2.18E-06	2.56E-02	8.07E-06	3.42E-06
40	486123.61, 3855186.51	1.45E-02	4.59E-06	1.95E-06	1.57E-02	4.94E-06	2.10E-06	2.46E-02	7.77E-06	3.30E-06
41	486173.61, 3855186.51	1.41E-02	4.45E-06	1.89E-06	1.52E-02	4.80E-06	2.04E-06	2.39E-02	7.54E-06	3.20E-06
42	486223.61, 3855186.51	1.37E-02	4.32E-06	1.83E-06	1.48E-02	4.66E-06	1.98E-06	2.32E-02	7.32E-06	3.11E-06
43	486273.61, 3855186.51	1.33E-02	4.19E-06	1.78E-06	1.43E-02	4.51E-06	1.91E-06	2.25E-02	7.09E-06	3.01E-06
44	486323.61, 3855186.51	1.32E-02	4.17E-06	1.77E-06	1.42E-02	4.49E-06	1.91E-06	2.24E-02	7.07E-06	3.00E-06
45	485973.61, 3855236.51	1.73E-02	5.46E-06	2.31E-06	1.86E-02	5.88E-06	2.49E-06	2.92E-02	9.23E-06	3.91E-06
46	486023.61, 3855236.51	1.66E-02	5.24E-06	2.22E-06	1.79E-02	5.65E-06	2.40E-06	2.81E-02	8.86E-06	3.76E-06
47	486073.61, 3855236.51	1.59E-02	5.02E-06	2.13E-06	1.72E-02	5.41E-06	2.30E-06	2.69E-02	8.50E-06	3.61E-06
48	486123.61, 3855236.51	1.54E-02	4.86E-06	2.06E-06	1.66E-02	5.24E-06	2.22E-06	2.61E-02	8.22E-06	3.49E-06
49	486173.61, 3855236.51	1.49E-02	4.71E-06	2.00E-06	1.61E-02	5.07E-06	2.15E-06	2.53E-02	7.97E-06	3.38E-06
50	486223.61, 3855236.51	1.44E-02	4.55E-06	1.93E-06	1.56E-02	4.91E-06	2.08E-06	2.44E-02	7.71E-06	3.27E-06
51	486273.61, 3855236.51	1.38E-02	4.36E-06	1.85E-06	1.49E-02	4.70E-06	1.99E-06	2.34E-02	7.38E-06	3.13E-06
52	486323.61, 3855236.51	1.39E-02	4.39E-06	1.86E-06	1.50E-02	4.73E-06	2.01E-06	2.36E-02	7.44E-06	3.16E-06
53	485973.61, 3855286.51	1.83E-02	5.79E-06	2.46E-06	1.98E-02	6.24E-06	2.65E-06	3.10E-02	9.79E-06	4.16E-06
54	486023.61, 3855286.51	1.76E-02	5.54E-06	2.35E-06	1.89E-02	5.97E-06	2.53E-06	2.97E-02	9.37E-06	3.98E-06
55	486073.61, 3855286.51	1.69E-02	5.33E-06	2.26E-06	1.82E-02	5.74E-06	2.44E-06	2.86E-02	9.02E-06	3.83E-06
56	486123.61, 3855286.51	1.62E-02	5.12E-06	2.17E-06	1.75E-02	5.52E-06	2.34E-06	2.75E-02	8.67E-06	3.68E-06
57	486173.61, 3855286.51	1.56E-02	4.94E-06	2.09E-06	1.69E-02	5.32E-06	2.26E-06	2.65E-02	8.36E-06	3.55E-06

58	486223.61, 3855286.51	1.52E-02	4.80E-06	2.03E-06	1.64E-02	5.17E-06	2.19E-06	2.57E-02	8.12E-06	3.45E-06
59	486123.61, 3855336.51	1.71E-02	5.39E-06	2.29E-06	1.84E-02	5.81E-06	2.46E-06	2.89E-02	9.12E-06	3.87E-06
60	486173.61, 3855336.51	1.65E-02	5.22E-06	2.21E-06	1.78E-02	5.62E-06	2.39E-06	2.80E-02	8.83E-06	3.75E-06
61	486223.61, 3855336.51	1.60E-02	5.04E-06	2.14E-06	1.72E-02	5.43E-06	2.31E-06	2.71E-02	8.54E-06	3.62E-06
62	486123.61, 3855386.51	1.80E-02	5.68E-06	2.41E-06	1.94E-02	6.12E-06	2.60E-06	3.05E-02	9.62E-06	4.08E-06
63	486173.61, 3855386.51	1.74E-02	5.49E-06	2.33E-06	1.87E-02	5.92E-06	2.51E-06	2.95E-02	9.30E-06	3.95E-06
64	486223.61, 3855386.51	1.69E-02	5.32E-06	2.26E-06	1.82E-02	5.74E-06	2.43E-06	2.86E-02	9.02E-06	3.83E-06
65	486533.18, 3855443.15	1.52E-02	4.78E-06	2.03E-06	1.63E-02	5.16E-06	2.19E-06	2.58E-02	8.13E-06	3.45E-06
66	486583.18, 3855443.15	1.47E-02	4.66E-06	1.98E-06	1.59E-02	5.02E-06	2.13E-06	2.51E-02	7.91E-06	3.36E-06
67	486633.18, 3855443.15	1.44E-02	4.53E-06	1.92E-06	1.55E-02	4.89E-06	2.07E-06	2.44E-02	7.71E-06	3.27E-06
68	486683.18, 3855443.15	1.41E-02	4.45E-06	1.89E-06	1.52E-02	4.79E-06	2.03E-06	2.40E-02	7.56E-06	3.21E-06
69	486533.18, 3855493.15	1.58E-02	5.00E-06	2.12E-06	1.71E-02	5.39E-06	2.29E-06	2.69E-02	8.50E-06	3.60E-06
70	486583.18, 3855493.15	1.54E-02	4.87E-06	2.07E-06	1.66E-02	5.25E-06	2.23E-06	2.62E-02	8.28E-06	3.51E-06
71	486633.18, 3855493.15	1.50E-02	4.74E-06	2.01E-06	1.62E-02	5.12E-06	2.17E-06	2.56E-02	8.07E-06	3.42E-06
72	486683.18, 3855493.15	1.47E-02	4.63E-06	1.96E-06	1.58E-02	4.99E-06	2.12E-06	2.49E-02	7.87E-06	3.34E-06
73	486533.18, 3855543.15	1.66E-02	5.24E-06	2.22E-06	1.79E-02	5.65E-06	2.40E-06	2.82E-02	8.91E-06	3.78E-06
74	486583.18, 3855543.15	1.60E-02	5.06E-06	2.15E-06	1.73E-02	5.46E-06	2.32E-06	2.73E-02	8.62E-06	3.66E-06
75	486633.18, 3855543.15	1.56E-02	4.94E-06	2.10E-06	1.69E-02	5.33E-06	2.26E-06	2.66E-02	8.41E-06	3.57E-06
76	486683.18, 3855543.15	1.51E-02	4.78E-06	2.03E-06	1.63E-02	5.15E-06	2.19E-06	2.58E-02	8.13E-06	3.45E-06
77	486533.18, 3855593.15	1.73E-02	5.46E-06	2.32E-06	1.87E-02	5.89E-06	2.50E-06	2.95E-02	9.30E-06	3.94E-06
78	486583.18, 3855593.15	1.68E-02	5.29E-06	2.25E-06	1.81E-02	5.71E-06	2.42E-06	2.85E-02	9.01E-06	3.82E-06
79	486633.18, 3855593.15	1.63E-02	5.14E-06	2.18E-06	1.76E-02	5.55E-06	2.35E-06	2.77E-02	8.76E-06	3.72E-06
80	486683.18, 3855593.15	1.59E-02	5.02E-06	2.13E-06	1.72E-02	5.41E-06	2.30E-06	2.71E-02	8.55E-06	3.63E-06
81	486533.18, 3855643.15	1.81E-02	5.70E-06	2.42E-06	1.95E-02	6.15E-06	2.61E-06	3.08E-02	9.71E-06	4.12E-06
82	486583.18, 3855643.15	1.75E-02	5.53E-06	2.35E-06	1.89E-02	5.97E-06	2.53E-06	2.99E-02	9.42E-06	4.00E-06
83	486633.18, 3855643.15	1.70E-02	5.37E-06	2.28E-06	1.83E-02	5.79E-06	2.46E-06	2.90E-02	9.15E-06	3.88E-06
84	486683.18, 3855643.15	1.66E-02	5.23E-06	2.22E-06	1.79E-02	5.64E-06	2.39E-06	2.82E-02	8.91E-06	3.78E-06
85	486533.18, 3855693.15	1.89E-02	5.98E-06	2.54E-06	2.04E-02	6.45E-06	2.74E-06	3.23E-02	1.02E-05	4.33E-06
86	486583.18, 3855693.15	1.82E-02	5.75E-06	2.44E-06	1.97E-02	6.21E-06	2.63E-06	3.11E-02	9.81E-06	4.16E-06
87	486633.18, 3855693.15	1.75E-02	5.54E-06	2.35E-06	1.89E-02	5.97E-06	2.53E-06	2.99E-02	9.44E-06	4.01E-06
88	486683.18, 3855693.15	1.72E-02	5.44E-06	2.31E-06	1.86E-02	5.86E-06	2.49E-06	2.94E-02	9.27E-06	3.93E-06
89	486733.18, 3855693.15	1.71E-02	5.38E-06	2.28E-06	1.84E-02	5.81E-06	2.46E-06	2.91E-02	9.18E-06	3.90E-06
90	486783.18, 3855693.15	1.70E-02	5.35E-06	2.27E-06	1.83E-02	5.77E-06	2.45E-06	2.89E-02	9.13E-06	3.88E-06
91	486533.18, 3855743.15	1.98E-02	6.24E-06	2.65E-06	2.13E-02	6.73E-06	2.85E-06	3.37E-02	1.06E-05	4.52E-06
92	486583.18, 3855743.15	1.89E-02	5.96E-06	2.53E-06	2.04E-02	6.43E-06	2.73E-06	3.22E-02	1.02E-05	4.32E-06
93	486633.18, 3855743.15	1.83E-02	5.77E-06	2.45E-06	1.97E-02	6.22E-06	2.64E-06	3.12E-02	9.84E-06	4.18E-06
94	486683.18, 3855743.15	1.80E-02	5.69E-06	2.41E-06	1.95E-02	6.14E-06	2.61E-06	3.08E-02	9.72E-06	4.12E-06
95	486733.18, 3855743.15	1.77E-02	5.58E-06	2.37E-06	1.91E-02	6.02E-06	2.55E-06	3.02E-02	9.53E-06	4.04E-06
96	486783.18, 3855743.15	1.77E-02	5.58E-06	2.37E-06	1.91E-02	6.02E-06	2.55E-06	3.02E-02	9.53E-06	4.04E-06
97	486533.18, 3855793.15	2.06E-02	6.51E-06	2.76E-06	2.23E-02	7.02E-06	2.98E-06	3.52E-02	1.11E-05	4.72E-06
98	486583.18, 3855793.15	1.95E-02	6.15E-06	2.61E-06	2.10E-02	6.63E-06	2.81E-06	3.33E-02	1.05E-05	4.46E-06
99	486633.18, 3855793.15	1.92E-02	6.05E-06	2.57E-06	2.07E-02	6.53E-06	2.77E-06	3.28E-02	1.03E-05	4.39E-06
100	486683.18, 3855793.15	1.89E-02	5.97E-06	2.53E-06	2.04E-02	6.45E-06	2.74E-06	3.24E-02	1.02E-05	4.33E-06
101	486733.18, 3855793.15	1.86E-02	5.87E-06	2.49E-06	2.01E-02	6.34E-06	2.69E-06	3.18E-02	1.00E-05	4.26E-06
102	486783.18, 3855793.15	1.84E-02	5.79E-06	2.46E-06	1.98E-02	6.25E-06	2.65E-06	3.14E-02	9.90E-06	4.20E-06
103	486533.18, 3855843.15	2.13E-02	6.72E-06	2.85E-06	2.30E-02	7.26E-06	3.08E-06	3.64E-02	1.15E-05	4.88E-06
104	486583.18, 3855843.15	2.03E-02	6.42E-06	2.72E-06	2.20E-02	6.93E-06	2.94E-06	3.48E-02	1.10E-05	4.66E-06
105	486633.18, 3855843.15	2.00E-02	6.32E-06	2.68E-06	2.16E-02	6.83E-06	2.90E-06	3.43E-02	1.08E-05	4.59E-06
106	486683.18, 3855843.15	1.98E-02	6.24E-06	2.65E-06	2.13E-02	6.73E-06	2.86E-06	3.38E-02	1.07E-05	4.53E-06
107	486733.18, 3855843.15	1.95E-02	6.15E-06	2.61E-06	2.10E-02	6.64E-06	2.82E-06	3.33E-02	1.05E-05	4.46E-06
108	486783.18, 3855843.15	1.92E-02	6.05E-06	2.57E-06	2.07E-02	6.53E-06	2.77E-06	3.28E-02	1.04E-05	4.40E-06
109	486533.18, 3855893.15	2.17E-02	6.86E-06	2.91E-06	2.34E-02	7.40E-06	3.14E-06	3.72E-02	1.17E-05	4.98E-06
110	486583.18, 3855893.15	2.13E-02	6.73E-06	2.86E-06	2.30E-02	7.27E-06	3.08E-06	3.65E-02	1.15E-05	4.89E-06
111	486633.18, 3855893.15	2.09E-02	6.60E-06	2.80E-06	2.26E-02	7.13E-06	3.02E-06	3.58E-02	1.13E-05	4.80E-06
112	486683.18, 3855893.15	2.06E-02	6.51E-06	2.76E-06	2.22E-02	7.02E-06	2.98E-06	3.53E-02	1.11E-05	4.73E-06
113	486733.18, 3855893.15	2.03E-02	6.41E-06	2.72E-06	2.19E-02	6.92E-06	2.94E-06	3.48E-02	1.10E-05	4.66E-06
114	486783.18, 3855893.15	2.01E-02	6.34E-06	2.69E-06	2.17E-02	6.84E-06	2.90E-06	3.44E-02	1.09E-05	4.61E-06
115	486533.18, 3855943.15	2.26E-02	7.12E-06	3.02E-06	2.44E-02	7.69E-06	3.26E-06	3.87E-02	1.22E-05	5.18E-06
116	486583.18, 3855943.15	2.24E-02	7.06E-06	2.99E-06	2.41E-02	7.62E-06	3.23E-06	3.83E-02	1.21E-05	5.13E-06
117	486633.18, 3855943.15	2.19E-02	6.90E-06	2.93E-06	2.36E-02	7.45E-06	3.16E-06	3.75E-02	1.18E-05	5.02E-06
118	486683.18, 3855943.15	2.16E-02	6.81E-06	2.89E-06	2.33E-02	7.36E-06	3.12E-06	3.70E-02	1.17E-05	4.96E-06

119	486733.18, 3855943.15	2.12E-02	6.69E-06	2.84E-06	2.29E-02	7.22E-06	3.06E-06	3.63E-02	1.15E-05	4.86E-06
120	486783.18, 3855943.15	2.10E-02	6.62E-06	2.81E-06	2.26E-02	7.14E-06	3.03E-06	3.60E-02	1.13E-05	4.81E-06
121	486533.18, 3855993.15	2.36E-02	7.46E-06	3.17E-06	2.55E-02	8.06E-06	3.42E-06	4.06E-02	1.28E-05	5.43E-06
122	486583.18, 3855993.15	2.33E-02	7.34E-06	3.11E-06	2.51E-02	7.92E-06	3.36E-06	3.99E-02	1.26E-05	5.34E-06
123	486633.18, 3855993.15	2.28E-02	7.21E-06	3.06E-06	2.46E-02	7.78E-06	3.30E-06	3.92E-02	1.24E-05	5.24E-06
124	486683.18, 3855993.15	2.25E-02	7.11E-06	3.02E-06	2.43E-02	7.68E-06	3.26E-06	3.87E-02	1.22E-05	5.18E-06
125	486733.18, 3855993.15	2.21E-02	6.99E-06	2.96E-06	2.39E-02	7.54E-06	3.20E-06	3.80E-02	1.20E-05	5.09E-06
126	486783.18, 3855993.15	2.18E-02	6.89E-06	2.92E-06	2.36E-02	7.43E-06	3.15E-06	3.74E-02	1.18E-05	5.01E-06
127	486533.18, 3856043.15	2.47E-02	7.80E-06	3.31E-06	2.67E-02	8.42E-06	3.57E-06	4.24E-02	1.34E-05	5.68E-06
128	486583.18, 3856043.15	2.44E-02	7.69E-06	3.26E-06	2.63E-02	8.30E-06	3.52E-06	4.18E-02	1.32E-05	5.60E-06
129	486633.18, 3856043.15	2.38E-02	7.52E-06	3.19E-06	2.57E-02	8.12E-06	3.45E-06	4.09E-02	1.29E-05	5.48E-06
130	486683.18, 3856043.15	2.35E-02	7.43E-06	3.15E-06	2.54E-02	8.02E-06	3.40E-06	4.04E-02	1.28E-05	5.41E-06
131	486733.18, 3856043.15	2.31E-02	7.28E-06	3.09E-06	2.49E-02	7.86E-06	3.34E-06	3.96E-02	1.25E-05	5.31E-06
132	486783.18, 3856043.15	2.28E-02	7.21E-06	3.06E-06	2.47E-02	7.78E-06	3.30E-06	3.92E-02	1.24E-05	5.25E-06
133	486533.18, 3856093.15	2.59E-02	8.19E-06	3.47E-06	2.80E-02	8.84E-06	3.75E-06	4.46E-02	1.41E-05	5.97E-06
134	486583.18, 3856093.15	2.54E-02	8.03E-06	3.41E-06	2.75E-02	8.67E-06	3.68E-06	4.37E-02	1.38E-05	5.85E-06
135	486633.18, 3856093.15	2.49E-02	7.87E-06	3.34E-06	2.69E-02	8.50E-06	3.60E-06	4.28E-02	1.35E-05	5.74E-06
136	486683.18, 3856093.15	2.46E-02	7.75E-06	3.29E-06	2.65E-02	8.37E-06	3.55E-06	4.22E-02	1.33E-05	5.65E-06
137	486733.18, 3856093.15	2.41E-02	7.61E-06	3.23E-06	2.60E-02	8.22E-06	3.49E-06	4.14E-02	1.31E-05	5.55E-06
138	486783.18, 3856093.15	2.38E-02	7.51E-06	3.19E-06	2.57E-02	8.11E-06	3.44E-06	4.09E-02	1.29E-05	5.48E-06
139	486533.18, 3856143.15	2.71E-02	8.56E-06	3.63E-06	2.93E-02	9.24E-06	3.92E-06	4.66E-02	1.47E-05	6.25E-06
140	486583.18, 3856143.15	2.65E-02	8.36E-06	3.55E-06	2.86E-02	9.02E-06	3.83E-06	4.55E-02	1.44E-05	6.10E-06
141	486633.18, 3856143.15	2.60E-02	8.22E-06	3.49E-06	2.81E-02	8.88E-06	3.77E-06	4.48E-02	1.41E-05	6.00E-06
142	486683.18, 3856143.15	2.56E-02	8.08E-06	3.43E-06	2.76E-02	8.72E-06	3.70E-06	4.40E-02	1.39E-05	5.90E-06
143	486733.18, 3856143.15	2.52E-02	7.94E-06	3.37E-06	2.72E-02	8.57E-06	3.64E-06	4.33E-02	1.37E-05	5.80E-06
144	486783.18, 3856143.15	2.49E-02	7.86E-06	3.34E-06	2.69E-02	8.49E-06	3.60E-06	4.29E-02	1.35E-05	5.74E-06
145	486533.18, 3856193.15	2.85E-02	8.98E-06	3.81E-06	3.07E-02	9.70E-06	4.12E-06	4.90E-02	1.55E-05	6.56E-06
146	486583.18, 3856193.15	2.77E-02	8.73E-06	3.71E-06	2.99E-02	9.43E-06	4.00E-06	4.77E-02	1.50E-05	6.38E-06
147	486633.18, 3856193.15	2.72E-02	8.58E-06	3.64E-06	2.94E-02	9.27E-06	3.93E-06	4.68E-02	1.48E-05	6.27E-06
148	486683.18, 3856193.15	2.69E-02	8.48E-06	3.60E-06	2.90E-02	9.16E-06	3.88E-06	4.62E-02	1.46E-05	6.19E-06
149	486733.18, 3856193.15	2.63E-02	8.30E-06	3.52E-06	2.84E-02	8.97E-06	3.81E-06	4.53E-02	1.43E-05	6.07E-06
150	486783.18, 3856193.15	2.60E-02	8.22E-06	3.49E-06	2.81E-02	8.88E-06	3.77E-06	4.49E-02	1.42E-05	6.01E-06
151	486533.18, 3856243.15	2.98E-02	9.40E-06	3.99E-06	3.22E-02	1.02E-05	4.31E-06	5.13E-02	1.62E-05	6.87E-06
152	486583.18, 3856243.15	2.91E-02	9.18E-06	3.90E-06	3.14E-02	9.92E-06	4.21E-06	5.02E-02	1.58E-05	6.72E-06
153	486633.18, 3856243.15	2.85E-02	8.99E-06	3.82E-06	3.08E-02	9.71E-06	4.12E-06	4.91E-02	1.55E-05	6.58E-06
154	486683.18, 3856243.15	2.80E-02	8.84E-06	3.75E-06	3.03E-02	9.55E-06	4.05E-06	4.83E-02	1.52E-05	6.46E-06
155	486733.18, 3856243.15	2.76E-02	8.71E-06	3.70E-06	2.98E-02	9.41E-06	3.99E-06	4.76E-02	1.50E-05	6.37E-06
156	486783.18, 3856243.15	2.71E-02	8.56E-06	3.63E-06	2.93E-02	9.25E-06	3.93E-06	4.68E-02	1.48E-05	6.26E-06
157	486533.18, 3856293.15	3.13E-02	9.87E-06	4.19E-06	3.38E-02	1.07E-05	4.52E-06	5.39E-02	1.70E-05	7.22E-06
158	486583.18, 3856293.15	3.05E-02	9.63E-06	4.08E-06	3.29E-02	1.04E-05	4.41E-06	5.26E-02	1.66E-05	7.05E-06
159	486633.18, 3856293.15	2.99E-02	9.43E-06	4.00E-06	3.23E-02	1.02E-05	4.32E-06	5.15E-02	1.63E-05	6.90E-06
160	486683.18, 3856293.15	2.93E-02	9.25E-06	3.92E-06	3.17E-02	9.99E-06	4.24E-06	5.05E-02	1.60E-05	6.77E-06
161	486733.18, 3856293.15	2.89E-02	9.13E-06	3.87E-06	3.12E-02	9.86E-06	4.18E-06	4.99E-02	1.57E-05	6.68E-06
162	486783.18, 3856293.15	2.84E-02	8.96E-06	3.80E-06	3.07E-02	9.68E-06	4.11E-06	4.89E-02	1.54E-05	6.55E-06
163	486783.18, 3856343.15	2.98E-02	9.42E-06	4.00E-06	3.22E-02	1.02E-05	4.32E-06	5.15E-02	1.63E-05	6.90E-06
164	486833.18, 3856343.15	2.93E-02	9.26E-06	3.93E-06	3.17E-02	1.00E-05	4.25E-06	5.06E-02	1.60E-05	6.78E-06
165	486883.18, 3856343.15	2.89E-02	9.11E-06	3.87E-06	3.12E-02	9.84E-06	4.18E-06	4.98E-02	1.57E-05	6.67E-06
166	486783.18, 3856393.15	3.11E-02	9.83E-06	4.17E-06	3.37E-02	1.06E-05	4.51E-06	5.38E-02	1.70E-05	7.20E-06
167	486833.18, 3856393.15	3.06E-02	9.67E-06	4.10E-06	3.31E-02	1.04E-05	4.43E-06	5.29E-02	1.67E-05	7.08E-06
168	486883.18, 3856393.15	3.00E-02	9.47E-06	4.02E-06	3.24E-02	1.02E-05	4.34E-06	5.18E-02	1.63E-05	6.93E-06
169	487208.74, 3856886.11	4.04E-02	1.27E-05	5.41E-06	4.36E-02	1.38E-05	5.84E-06	6.99E-02	2.21E-05	9.36E-06
170	487258.74, 3856886.11	3.92E-02	1.24E-05	5.25E-06	4.24E-02	1.34E-05	5.68E-06	6.79E-02	2.14E-05	9.09E-06
171	487308.74, 3856886.11	3.81E-02	1.20E-05	5.11E-06	4.12E-02	1.30E-05	5.52E-06	6.60E-02	2.08E-05	8.84E-06
172	487358.74, 3856886.11	3.71E-02	1.17E-05	4.97E-06	4.01E-02	1.27E-05	5.37E-06	6.42E-02	2.03E-05	8.59E-06
173	487208.74, 3856936.11	4.23E-02	1.34E-05	5.67E-06	4.57E-02	1.44E-05	6.13E-06	7.33E-02	2.31E-05	9.82E-06
174	487258.74, 3856936.11	4.10E-02	1.30E-05	5.50E-06	4.44E-02	1.40E-05	5.94E-06	7.11E-02	2.24E-05	9.52E-06
175	487308.74, 3856936.11	3.99E-02	1.26E-05	5.34E-06	4.31E-02	1.36E-05	5.77E-06	6.91E-02	2.18E-05	9.25E-06
176	487358.74, 3856936.11	3.88E-02	1.22E-05	5.19E-06	4.19E-02	1.32E-05	5.61E-06	6.71E-02	2.12E-05	8.98E-06
177	487208.74, 3856986.11	4.44E-02	1.40E-05	5.95E-06	4.80E-02	1.52E-05	6.43E-06	7.70E-02	2.43E-05	1.03E-05
178	487258.74, 3856986.11	4.31E-02	1.36E-05	5.77E-06	4.66E-02	1.47E-05	6.24E-06	7.47E-02	2.36E-05	1.00E-05
179	487308.74, 3856986.11	4.17E-02	1.32E-05	5.59E-06	4.51E-02	1.42E-05	6.04E-06	7.23E-02	2.28E-05	9.68E-06

180	487358.74, 3856986.11	4.05E-02	1.28E-05	5.43E-06	4.38E-02	1.38E-05	5.87E-06	7.02E-02	2.22E-05	9.40E-06
181	487208.74, 3857036.11	4.67E-02	1.47E-05	6.26E-06	5.05E-02	1.59E-05	6.76E-06	8.10E-02	2.56E-05	1.08E-05
182	487258.74, 3857036.11	4.52E-02	1.43E-05	6.05E-06	4.88E-02	1.54E-05	6.54E-06	7.83E-02	2.47E-05	1.05E-05
183	487308.74, 3857036.11	4.38E-02	1.38E-05	5.86E-06	4.73E-02	1.49E-05	6.34E-06	7.59E-02	2.40E-05	1.02E-05
184	487358.74, 3857036.11	4.24E-02	1.34E-05	5.68E-06	4.59E-02	1.45E-05	6.14E-06	7.36E-02	2.32E-05	9.85E-06
185	487427.14, 3856878.23	3.56E-02	1.13E-05	4.77E-06	3.85E-02	1.22E-05	5.16E-06	6.17E-02	1.95E-05	8.26E-06
186	487477.14, 3856878.23	3.48E-02	1.10E-05	4.66E-06	3.76E-02	1.19E-05	5.03E-06	6.02E-02	1.90E-05	8.06E-06
187	487527.14, 3856878.23	3.39E-02	1.07E-05	4.55E-06	3.67E-02	1.16E-05	4.91E-06	5.87E-02	1.85E-05	7.86E-06
188	487427.14, 3856928.23	3.71E-02	1.17E-05	4.97E-06	4.01E-02	1.27E-05	5.38E-06	6.43E-02	2.03E-05	8.61E-06
189	487477.14, 3856928.23	3.61E-02	1.14E-05	4.84E-06	3.91E-02	1.23E-05	5.23E-06	6.25E-02	1.97E-05	8.38E-06
190	487527.14, 3856928.23	3.52E-02	1.11E-05	4.72E-06	3.81E-02	1.20E-05	5.10E-06	6.10E-02	1.93E-05	8.17E-06
191	487577.14, 3856928.23	3.44E-02	1.09E-05	4.61E-06	3.72E-02	1.17E-05	4.98E-06	5.95E-02	1.88E-05	7.97E-06
192	487627.14, 3856928.23	3.35E-02	1.06E-05	4.49E-06	3.62E-02	1.14E-05	4.85E-06	5.80E-02	1.83E-05	7.77E-06
193	487677.14, 3856928.23	3.28E-02	1.03E-05	4.39E-06	3.54E-02	1.12E-05	4.74E-06	5.67E-02	1.79E-05	7.59E-06
194	487727.14, 3856928.23	3.21E-02	1.01E-05	4.29E-06	3.46E-02	1.09E-05	4.64E-06	5.55E-02	1.75E-05	7.43E-06
195	487777.14, 3856928.23	3.13E-02	9.89E-06	4.20E-06	3.39E-02	1.07E-05	4.53E-06	5.42E-02	1.71E-05	7.26E-06
196	487427.14, 3856978.23	3.87E-02	1.22E-05	5.18E-06	4.18E-02	1.32E-05	5.60E-06	6.70E-02	2.11E-05	8.97E-06
197	487477.14, 3856978.23	3.76E-02	1.19E-05	5.04E-06	4.07E-02	1.28E-05	5.45E-06	6.52E-02	2.06E-05	8.73E-06
198	487527.14, 3856978.23	3.67E-02	1.16E-05	4.91E-06	3.96E-02	1.25E-05	5.31E-06	6.35E-02	2.00E-05	8.50E-06
199	487577.14, 3856978.23	3.57E-02	1.13E-05	4.78E-06	3.86E-02	1.22E-05	5.17E-06	6.18E-02	1.95E-05	8.28E-06
200	487627.14, 3856978.23	3.48E-02	1.10E-05	4.66E-06	3.76E-02	1.19E-05	5.03E-06	6.02E-02	1.90E-05	8.06E-06
201	487677.14, 3856978.23	3.39E-02	1.07E-05	4.55E-06	3.67E-02	1.16E-05	4.91E-06	5.88E-02	1.85E-05	7.87E-06
202	487727.14, 3856978.23	3.30E-02	1.04E-05	4.42E-06	3.57E-02	1.13E-05	4.78E-06	5.72E-02	1.80E-05	7.65E-06
203	487777.14, 3856978.23	3.24E-02	1.02E-05	4.34E-06	3.50E-02	1.11E-05	4.69E-06	5.61E-02	1.77E-05	7.51E-06
204	487427.14, 3857028.23	4.04E-02	1.28E-05	5.41E-06	4.37E-02	1.38E-05	5.85E-06	7.00E-02	2.21E-05	9.38E-06
205	487477.14, 3857028.23	3.93E-02	1.24E-05	5.26E-06	4.24E-02	1.34E-05	5.68E-06	6.80E-02	2.15E-05	9.11E-06
206	487527.14, 3857028.23	3.81E-02	1.20E-05	5.11E-06	4.12E-02	1.30E-05	5.52E-06	6.61E-02	2.09E-05	8.85E-06
207	487577.14, 3857028.23	3.71E-02	1.17E-05	4.97E-06	4.01E-02	1.27E-05	5.37E-06	6.43E-02	2.03E-05	8.61E-06
208	487627.14, 3857028.23	3.61E-02	1.14E-05	4.83E-06	3.90E-02	1.23E-05	5.22E-06	6.25E-02	1.97E-05	8.37E-06
209	487677.14, 3857028.23	3.52E-02	1.11E-05	4.71E-06	3.80E-02	1.20E-05	5.09E-06	6.09E-02	1.92E-05	8.15E-06
210	487727.14, 3857028.23	3.43E-02	1.08E-05	4.60E-06	3.71E-02	1.17E-05	4.97E-06	5.95E-02	1.88E-05	7.96E-06
211	487777.14, 3857028.23	3.35E-02	1.06E-05	4.49E-06	3.62E-02	1.14E-05	4.85E-06	5.80E-02	1.83E-05	7.77E-06
212	487427.14, 3857078.23	4.23E-02	1.33E-05	5.66E-06	4.57E-02	1.44E-05	6.12E-06	7.33E-02	2.31E-05	9.81E-06
213	487477.14, 3857078.23	4.09E-02	1.29E-05	5.48E-06	4.43E-02	1.40E-05	5.93E-06	7.10E-02	2.24E-05	9.51E-06
214	487527.14, 3857078.23	3.97E-02	1.25E-05	5.32E-06	4.30E-02	1.36E-05	5.75E-06	6.89E-02	2.17E-05	9.23E-06
215	487577.14, 3857078.23	3.86E-02	1.22E-05	5.17E-06	4.17E-02	1.32E-05	5.59E-06	6.69E-02	2.11E-05	8.96E-06
216	487627.14, 3857078.23	3.75E-02	1.18E-05	5.02E-06	4.05E-02	1.28E-05	5.43E-06	6.50E-02	2.05E-05	8.70E-06
217	487677.14, 3857078.23	3.65E-02	1.15E-05	4.89E-06	3.94E-02	1.24E-05	5.28E-06	6.32E-02	2.00E-05	8.47E-06
218	487727.14, 3857078.23	3.55E-02	1.12E-05	4.76E-06	3.84E-02	1.21E-05	5.14E-06	6.16E-02	1.94E-05	8.25E-06
219	487777.14, 3857078.23	3.46E-02	1.09E-05	4.63E-06	3.74E-02	1.18E-05	5.01E-06	6.00E-02	1.89E-05	8.03E-06
220	487427.14, 3857128.23	4.42E-02	1.40E-05	5.93E-06	4.78E-02	1.51E-05	6.41E-06	7.68E-02	2.42E-05	1.03E-05
221	487477.14, 3857128.23	4.28E-02	1.35E-05	5.73E-06	4.62E-02	1.46E-05	6.19E-06	7.42E-02	2.34E-05	9.94E-06
222	487527.14, 3857128.23	4.14E-02	1.31E-05	5.54E-06	4.48E-02	1.41E-05	5.99E-06	7.18E-02	2.27E-05	9.61E-06
223	487577.14, 3857128.23	4.02E-02	1.27E-05	5.38E-06	4.34E-02	1.37E-05	5.81E-06	6.96E-02	2.20E-05	9.32E-06
224	487627.14, 3857128.23	3.90E-02	1.23E-05	5.22E-06	4.21E-02	1.33E-05	5.64E-06	6.76E-02	2.13E-05	9.05E-06
225	487677.14, 3857128.23	3.78E-02	1.19E-05	5.07E-06	4.09E-02	1.29E-05	5.48E-06	6.56E-02	2.07E-05	8.79E-06
226	487727.14, 3857128.23	3.68E-02	1.16E-05	4.93E-06	3.98E-02	1.26E-05	5.33E-06	6.39E-02	2.02E-05	8.55E-06
227	487777.14, 3857128.23	3.58E-02	1.13E-05	4.80E-06	3.87E-02	1.22E-05	5.19E-06	6.21E-02	1.96E-05	8.32E-06
228	488049.44, 3856539.39	2.26E-02	7.12E-06	3.02E-06	2.44E-02	7.69E-06	3.26E-06	3.89E-02	1.23E-05	5.21E-06
229	488099.44, 3856539.39	2.22E-02	6.99E-06	2.97E-06	2.39E-02	7.56E-06	3.21E-06	3.82E-02	1.21E-05	5.12E-06
230	488149.44, 3856539.39	2.18E-02	6.89E-06	2.92E-06	2.36E-02	7.44E-06	3.16E-06	3.76E-02	1.19E-05	5.04E-06
231	488049.44, 3856589.39	2.32E-02	7.32E-06	3.11E-06	2.51E-02	7.91E-06	3.36E-06	4.00E-02	1.26E-05	5.36E-06
232	488099.44, 3856589.39	2.28E-02	7.19E-06	3.05E-06	2.46E-02	7.77E-06	3.30E-06	3.93E-02	1.24E-05	5.27E-06
233	488149.44, 3856589.39	2.24E-02	7.07E-06	3.00E-06	2.42E-02	7.64E-06	3.24E-06	3.87E-02	1.22E-05	5.18E-06
234	488199.44, 3856589.39	2.20E-02	6.95E-06	2.95E-06	2.38E-02	7.51E-06	3.19E-06	3.80E-02	1.20E-05	5.09E-06
235	488249.44, 3856589.39	2.17E-02	6.86E-06	2.91E-06	2.35E-02	7.41E-06	3.14E-06	3.75E-02	1.18E-05	5.02E-06
236	488049.44, 3856639.39	2.38E-02	7.53E-06	3.19E-06	2.58E-02	8.13E-06	3.45E-06	4.12E-02	1.30E-05	5.51E-06
237	488099.44, 3856639.39	2.34E-02	7.39E-06	3.14E-06	2.53E-02	7.98E-06	3.39E-06	4.04E-02	1.28E-05	5.41E-06
238	488149.44, 3856639.39	2.30E-02	7.26E-06	3.08E-06	2.49E-02	7.85E-06	3.33E-06	3.97E-02	1.25E-05	5.32E-06
239	488199.44, 3856639.39	2.26E-02	7.15E-06	3.03E-06	2.45E-02	7.72E-06	3.28E-06	3.91E-02	1.23E-05	5.23E-06
240	488249.44, 3856639.39	2.23E-02	7.03E-06	2.98E-06	2.41E-02	7.60E-06	3.22E-06	3.85E-02	1.21E-05	5.15E-06

241	488299.44, 3856639.39	2.19E-02	6.92E-06	2.94E-06	2.37E-02	7.48E-06	3.17E-06	3.78E-02	1.19E-05	5.07E-06
242	488349.44, 3856639.39	2.16E-02	6.81E-06	2.89E-06	2.33E-02	7.35E-06	3.12E-06	3.72E-02	1.17E-05	4.98E-06
243	488399.44, 3856639.39	2.13E-02	6.71E-06	2.85E-06	2.30E-02	7.25E-06	3.08E-06	3.67E-02	1.16E-05	4.91E-06
244	488099.44, 3856689.39	2.41E-02	7.60E-06	3.22E-06	2.60E-02	8.21E-06	3.48E-06	4.16E-02	1.31E-05	5.57E-06
245	488149.44, 3856689.39	2.36E-02	7.46E-06	3.17E-06	2.55E-02	8.06E-06	3.42E-06	4.08E-02	1.29E-05	5.46E-06
246	488199.44, 3856689.39	2.32E-02	7.34E-06	3.11E-06	2.51E-02	7.93E-06	3.36E-06	4.01E-02	1.27E-05	5.37E-06
247	488249.44, 3856689.39	2.28E-02	7.21E-06	3.06E-06	2.47E-02	7.79E-06	3.30E-06	3.94E-02	1.24E-05	5.28E-06
248	488299.44, 3856689.39	2.25E-02	7.10E-06	3.01E-06	2.43E-02	7.67E-06	3.25E-06	3.88E-02	1.23E-05	5.20E-06
249	488349.44, 3856689.39	2.21E-02	6.98E-06	2.96E-06	2.39E-02	7.54E-06	3.20E-06	3.82E-02	1.20E-05	5.11E-06
250	488399.44, 3856689.39	2.17E-02	6.85E-06	2.91E-06	2.34E-02	7.40E-06	3.14E-06	3.75E-02	1.18E-05	5.02E-06
251	488099.44, 3856739.39	2.48E-02	7.81E-06	3.31E-06	2.67E-02	8.44E-06	3.58E-06	4.28E-02	1.35E-05	5.72E-06
252	488149.44, 3856739.39	2.43E-02	7.66E-06	3.25E-06	2.62E-02	8.28E-06	3.51E-06	4.19E-02	1.32E-05	5.61E-06
253	488199.44, 3856739.39	2.39E-02	7.54E-06	3.20E-06	2.58E-02	8.14E-06	3.45E-06	4.12E-02	1.30E-05	5.52E-06
254	488249.44, 3856739.39	2.34E-02	7.40E-06	3.14E-06	2.53E-02	7.99E-06	3.39E-06	4.05E-02	1.28E-05	5.42E-06
255	488299.44, 3856739.39	2.30E-02	7.25E-06	3.08E-06	2.48E-02	7.84E-06	3.33E-06	3.97E-02	1.25E-05	5.32E-06
256	488349.44, 3856739.39	2.27E-02	7.15E-06	3.03E-06	2.45E-02	7.72E-06	3.28E-06	3.91E-02	1.23E-05	5.24E-06
257	488399.44, 3856739.39	2.23E-02	7.04E-06	2.99E-06	2.41E-02	7.61E-06	3.23E-06	3.85E-02	1.22E-05	5.16E-06
258	487999.44, 3856789.39	2.63E-02	8.31E-06	3.53E-06	2.85E-02	8.98E-06	3.81E-06	4.55E-02	1.44E-05	6.09E-06
259	488049.44, 3856789.39	2.59E-02	8.16E-06	3.46E-06	2.79E-02	8.82E-06	3.74E-06	4.47E-02	1.41E-05	5.98E-06
260	488099.44, 3856789.39	2.54E-02	8.02E-06	3.40E-06	2.75E-02	8.67E-06	3.68E-06	4.39E-02	1.39E-05	5.88E-06
261	488149.44, 3856789.39	2.49E-02	7.87E-06	3.34E-06	2.69E-02	8.50E-06	3.61E-06	4.31E-02	1.36E-05	5.77E-06
262	488199.44, 3856789.39	2.45E-02	7.73E-06	3.28E-06	2.65E-02	8.35E-06	3.54E-06	4.23E-02	1.33E-05	5.66E-06
263	488249.44, 3856789.39	2.40E-02	7.59E-06	3.22E-06	2.60E-02	8.20E-06	3.48E-06	4.15E-02	1.31E-05	5.56E-06
264	488299.44, 3856789.39	2.36E-02	7.44E-06	3.16E-06	2.55E-02	8.04E-06	3.41E-06	4.07E-02	1.29E-05	5.45E-06
265	488349.44, 3856789.39	2.32E-02	7.33E-06	3.11E-06	2.51E-02	7.92E-06	3.36E-06	4.01E-02	1.27E-05	5.37E-06
266	488399.44, 3856789.39	2.28E-02	7.21E-06	3.06E-06	2.47E-02	7.79E-06	3.30E-06	3.95E-02	1.25E-05	5.28E-06
267	487949.44, 3856839.39	2.76E-02	8.72E-06	3.70E-06	2.98E-02	9.42E-06	4.00E-06	4.77E-02	1.51E-05	6.39E-06
268	487999.44, 3856839.39	2.71E-02	8.55E-06	3.63E-06	2.93E-02	9.24E-06	3.92E-06	4.68E-02	1.48E-05	6.27E-06
269	488049.44, 3856839.39	2.66E-02	8.38E-06	3.56E-06	2.87E-02	9.06E-06	3.84E-06	4.59E-02	1.45E-05	6.15E-06
270	488099.44, 3856839.39	2.61E-02	8.23E-06	3.49E-06	2.82E-02	8.89E-06	3.77E-06	4.51E-02	1.42E-05	6.03E-06
271	488149.44, 3856839.39	2.56E-02	8.08E-06	3.43E-06	2.77E-02	8.73E-06	3.70E-06	4.42E-02	1.40E-05	5.92E-06
272	488199.44, 3856839.39	2.51E-02	7.93E-06	3.36E-06	2.71E-02	8.57E-06	3.64E-06	4.34E-02	1.37E-05	5.81E-06
273	487949.44, 3856889.39	2.84E-02	8.96E-06	3.80E-06	3.07E-02	9.69E-06	4.11E-06	4.91E-02	1.55E-05	6.58E-06
274	487999.44, 3856889.39	2.79E-02	8.80E-06	3.73E-06	3.01E-02	9.51E-06	4.03E-06	4.82E-02	1.52E-05	6.45E-06
275	488049.44, 3856889.39	2.73E-02	8.61E-06	3.65E-06	2.95E-02	9.30E-06	3.95E-06	4.72E-02	1.49E-05	6.32E-06
276	488099.44, 3856889.39	2.68E-02	8.45E-06	3.59E-06	2.89E-02	9.13E-06	3.87E-06	4.63E-02	1.46E-05	6.20E-06
277	488635.86, 3857895.05	3.02E-02	9.54E-06	4.05E-06	3.27E-02	1.03E-05	4.38E-06	5.27E-02	1.66E-05	7.05E-06
278	489137.64, 3857804.15	2.27E-02	7.17E-06	3.04E-06	2.46E-02	7.75E-06	3.29E-06	3.95E-02	1.25E-05	5.29E-06
279	488617.32, 3857859.41	3.04E-02	9.59E-06	4.07E-06	3.29E-02	1.04E-05	4.40E-06	5.29E-02	1.67E-05	7.09E-06
280	488667.32, 3857859.41	2.95E-02	9.31E-06	3.95E-06	3.19E-02	1.01E-05	4.27E-06	5.14E-02	1.62E-05	6.88E-06
281	488717.32, 3857859.41	2.86E-02	9.03E-06	3.83E-06	3.10E-02	9.77E-06	4.14E-06	4.98E-02	1.57E-05	6.67E-06
282	488767.32, 3857859.41	2.78E-02	8.76E-06	3.72E-06	3.00E-02	9.47E-06	4.02E-06	4.83E-02	1.53E-05	6.47E-06
283	488617.32, 3857909.41	3.07E-02	9.68E-06	4.11E-06	3.32E-02	1.05E-05	4.44E-06	5.35E-02	1.69E-05	7.16E-06
284	488667.32, 3857909.41	2.97E-02	9.36E-06	3.97E-06	3.21E-02	1.01E-05	4.30E-06	5.16E-02	1.63E-05	6.91E-06
285	488717.32, 3857909.41	2.88E-02	9.09E-06	3.86E-06	3.12E-02	9.83E-06	4.17E-06	5.02E-02	1.58E-05	6.72E-06
286	488767.32, 3857909.41	2.79E-02	8.81E-06	3.74E-06	3.02E-02	9.53E-06	4.04E-06	4.86E-02	1.53E-05	6.51E-06
287	488417.32, 3857959.41	3.58E-02	1.13E-05	4.79E-06	3.87E-02	1.22E-05	5.19E-06	6.25E-02	1.97E-05	8.37E-06
288	488467.32, 3857959.41	3.44E-02	1.09E-05	4.61E-06	3.73E-02	1.18E-05	4.99E-06	6.01E-02	1.90E-05	8.05E-06
289	488517.32, 3857959.41	3.32E-02	1.05E-05	4.44E-06	3.59E-02	1.13E-05	4.81E-06	5.79E-02	1.83E-05	7.75E-06
290	488567.32, 3857959.41	3.20E-02	1.01E-05	4.28E-06	3.46E-02	1.09E-05	4.63E-06	5.57E-02	1.76E-05	7.47E-06
291	488617.32, 3857959.41	3.09E-02	9.76E-06	4.14E-06	3.34E-02	1.06E-05	4.48E-06	5.38E-02	1.70E-05	7.21E-06
292	488667.32, 3857959.41	2.99E-02	9.44E-06	4.00E-06	3.23E-02	1.02E-05	4.33E-06	5.21E-02	1.64E-05	6.97E-06
293	488717.32, 3857959.41	2.89E-02	9.13E-06	3.87E-06	3.13E-02	9.87E-06	4.19E-06	5.04E-02	1.59E-05	6.74E-06
294	488767.32, 3857959.41	2.80E-02	8.85E-06	3.75E-06	3.03E-02	9.57E-06	4.06E-06	4.88E-02	1.54E-05	6.53E-06
295	488417.32, 3858009.41	3.63E-02	1.15E-05	4.87E-06	3.93E-02	1.24E-05	5.27E-06	6.35E-02	2.00E-05	8.50E-06
296	488467.32, 3858009.41	3.49E-02	1.10E-05	4.67E-06	3.77E-02	1.19E-05	5.05E-06	6.09E-02	1.92E-05	8.15E-06
297	488517.32, 3858009.41	3.35E-02	1.06E-05	4.49E-06	3.63E-02	1.14E-05	4.86E-06	5.84E-02	1.84E-05	7.83E-06
298	488567.32, 3858009.41	3.23E-02	1.02E-05	4.32E-06	3.49E-02	1.10E-05	4.67E-06	5.62E-02	1.77E-05	7.52E-06
299	488617.32, 3858009.41	3.11E-02	9.83E-06	4.17E-06	3.37E-02	1.06E-05	4.51E-06	5.42E-02	1.71E-05	7.26E-06
300	488667.32, 3858009.41	3.01E-02	9.49E-06	4.03E-06	3.25E-02	1.03E-05	4.36E-06	5.24E-02	1.65E-05	7.01E-06
301	488717.32, 3858009.41	2.91E-02	9.17E-06	3.89E-06	3.14E-02	9.92E-06	4.21E-06	5.06E-02	1.60E-05	6.77E-06

302	488767.32, 3858009.41	2.81E-02	8.87E-06	3.76E-06	3.04E-02	9.59E-06	4.07E-06	4.89E-02	1.54E-05	6.55E-06
303	488417.32, 3858059.41	3.69E-02	1.16E-05	4.94E-06	3.99E-02	1.26E-05	5.34E-06	6.44E-02	2.03E-05	8.62E-06
304	488467.32, 3858059.41	3.53E-02	1.11E-05	4.73E-06	3.82E-02	1.20E-05	5.11E-06	6.15E-02	1.94E-05	8.24E-06
305	488517.32, 3858059.41	3.38E-02	1.07E-05	4.53E-06	3.66E-02	1.16E-05	4.90E-06	5.90E-02	1.86E-05	7.90E-06
306	488567.32, 3858059.41	3.25E-02	1.03E-05	4.35E-06	3.52E-02	1.11E-05	4.71E-06	5.66E-02	1.79E-05	7.58E-06
307	488617.32, 3858059.41	3.13E-02	9.87E-06	4.19E-06	3.38E-02	1.07E-05	4.53E-06	5.44E-02	1.72E-05	7.29E-06
308	488667.32, 3858059.41	3.01E-02	9.51E-06	4.04E-06	3.26E-02	1.03E-05	4.37E-06	5.25E-02	1.66E-05	7.03E-06
309	488417.32, 3858109.41	3.75E-02	1.18E-05	5.02E-06	4.06E-02	1.28E-05	5.43E-06	6.55E-02	2.07E-05	8.78E-06
310	488467.32, 3858109.41	3.57E-02	1.13E-05	4.79E-06	3.87E-02	1.22E-05	5.18E-06	6.24E-02	1.97E-05	8.35E-06
311	488517.32, 3858109.41	3.41E-02	1.08E-05	4.57E-06	3.69E-02	1.17E-05	4.94E-06	5.95E-02	1.88E-05	7.96E-06
312	488567.32, 3858109.41	3.27E-02	1.03E-05	4.38E-06	3.54E-02	1.12E-05	4.74E-06	5.69E-02	1.80E-05	7.62E-06
313	488617.32, 3858109.41	3.13E-02	9.89E-06	4.20E-06	3.39E-02	1.07E-05	4.54E-06	5.45E-02	1.72E-05	7.30E-06
314	488667.32, 3858109.41	3.02E-02	9.52E-06	4.04E-06	3.26E-02	1.03E-05	4.37E-06	5.25E-02	1.66E-05	7.03E-06
315	488769.93, 3858449.27	2.28E-02	7.18E-06	3.05E-06	2.45E-02	7.74E-06	3.28E-06	3.83E-02	1.21E-05	5.13E-06
316	488819.93, 3858449.27	2.19E-02	6.93E-06	2.94E-06	2.36E-02	7.46E-06	3.17E-06	3.70E-02	1.17E-05	4.95E-06
317	488819.93, 3858499.27	2.08E-02	6.56E-06	2.79E-06	2.24E-02	7.06E-06	3.00E-06	3.46E-02	1.09E-05	4.63E-06
318	488869.93, 3858499.27	2.01E-02	6.36E-06	2.70E-06	2.17E-02	6.84E-06	2.90E-06	3.35E-02	1.06E-05	4.49E-06
319	488869.93, 3858549.27	1.92E-02	6.05E-06	2.57E-06	2.06E-02	6.49E-06	2.76E-06	3.14E-02	9.90E-06	4.20E-06
320	489438.17, 3859571.48	4.45E-03	1.41E-06	5.96E-07	4.80E-03	1.51E-06	6.43E-07	7.52E-03	2.37E-06	1.01E-06
321	489488.17, 3859571.48	4.43E-03	1.40E-06	5.93E-07	4.77E-03	1.51E-06	6.39E-07	7.48E-03	2.36E-06	1.00E-06
322	489538.17, 3859571.48	4.41E-03	1.39E-06	5.90E-07	4.75E-03	1.50E-06	6.36E-07	7.45E-03	2.35E-06	9.97E-07
323	489588.17, 3859571.48	4.39E-03	1.39E-06	5.88E-07	4.73E-03	1.49E-06	6.33E-07	7.41E-03	2.34E-06	9.93E-07
324	489438.17, 3859621.48	4.30E-03	1.36E-06	5.76E-07	4.63E-03	1.46E-06	6.20E-07	7.26E-03	2.29E-06	9.73E-07
325	489488.17, 3859621.48	4.27E-03	1.35E-06	5.72E-07	4.61E-03	1.45E-06	6.17E-07	7.22E-03	2.28E-06	9.67E-07
326	489538.17, 3859621.48	4.25E-03	1.34E-06	5.69E-07	4.58E-03	1.45E-06	6.13E-07	7.18E-03	2.27E-06	9.62E-07
327	489588.17, 3859621.48	4.23E-03	1.34E-06	5.67E-07	4.56E-03	1.44E-06	6.11E-07	7.16E-03	2.26E-06	9.58E-07
328	489238.17, 3859671.48	4.23E-03	1.34E-06	5.67E-07	4.56E-03	1.44E-06	6.11E-07	7.16E-03	2.26E-06	9.58E-07
329	489288.17, 3859671.48	4.22E-03	1.33E-06	5.65E-07	4.55E-03	1.43E-06	6.09E-07	7.13E-03	2.25E-06	9.55E-07
330	489338.17, 3859671.48	4.20E-03	1.33E-06	5.63E-07	4.53E-03	1.43E-06	6.06E-07	7.10E-03	2.24E-06	9.51E-07
331	489388.17, 3859671.48	4.19E-03	1.32E-06	5.60E-07	4.51E-03	1.42E-06	6.04E-07	7.08E-03	2.23E-06	9.48E-07
332	489438.17, 3859671.48	4.16E-03	1.31E-06	5.57E-07	4.48E-03	1.41E-06	6.00E-07	7.03E-03	2.22E-06	9.42E-07
333	489488.17, 3859671.48	4.14E-03	1.31E-06	5.54E-07	4.46E-03	1.41E-06	5.97E-07	7.00E-03	2.21E-06	9.38E-07
334	489538.17, 3859671.48	4.12E-03	1.30E-06	5.51E-07	4.44E-03	1.40E-06	5.94E-07	6.97E-03	2.20E-06	9.33E-07
335	489588.17, 3859671.48	4.10E-03	1.29E-06	5.49E-07	4.42E-03	1.39E-06	5.91E-07	6.93E-03	2.19E-06	9.28E-07
336	489238.17, 3859721.48	4.09E-03	1.29E-06	5.48E-07	4.41E-03	1.39E-06	5.91E-07	6.92E-03	2.18E-06	9.27E-07
337	489288.17, 3859721.48	4.09E-03	1.29E-06	5.47E-07	4.40E-03	1.39E-06	5.90E-07	6.91E-03	2.18E-06	9.26E-07
338	489338.17, 3859721.48	4.07E-03	1.29E-06	5.45E-07	4.39E-03	1.39E-06	5.88E-07	6.89E-03	2.17E-06	9.23E-07
339	489388.17, 3859721.48	4.05E-03	1.28E-06	5.43E-07	4.37E-03	1.38E-06	5.85E-07	6.86E-03	2.17E-06	9.19E-07
340	489438.17, 3859721.48	4.03E-03	1.27E-06	5.40E-07	4.35E-03	1.37E-06	5.82E-07	6.82E-03	2.15E-06	9.14E-07
341	489488.17, 3859721.48	4.02E-03	1.27E-06	5.38E-07	4.33E-03	1.37E-06	5.80E-07	6.80E-03	2.15E-06	9.10E-07
342	489538.17, 3859721.48	3.99E-03	1.26E-06	5.35E-07	4.31E-03	1.36E-06	5.77E-07	6.76E-03	2.13E-06	9.06E-07
343	489588.17, 3859721.48	3.97E-03	1.25E-06	5.32E-07	4.28E-03	1.35E-06	5.74E-07	6.73E-03	2.12E-06	9.01E-07
344	489238.17, 3859771.48	3.96E-03	1.25E-06	5.30E-07	4.27E-03	1.35E-06	5.71E-07	6.70E-03	2.11E-06	8.97E-07
345	489288.17, 3859771.48	3.96E-03	1.25E-06	5.30E-07	4.26E-03	1.35E-06	5.71E-07	6.70E-03	2.11E-06	8.97E-07
346	489338.17, 3859771.48	3.94E-03	1.24E-06	5.28E-07	4.25E-03	1.34E-06	5.69E-07	6.67E-03	2.11E-06	8.94E-07
347	489388.17, 3859771.48	3.93E-03	1.24E-06	5.26E-07	4.24E-03	1.34E-06	5.67E-07	6.65E-03	2.10E-06	8.91E-07
348	489438.17, 3859771.48	3.91E-03	1.23E-06	5.24E-07	4.21E-03	1.33E-06	5.64E-07	6.62E-03	2.09E-06	8.87E-07
349	489488.17, 3859771.48	3.90E-03	1.23E-06	5.22E-07	4.20E-03	1.33E-06	5.63E-07	6.61E-03	2.08E-06	8.85E-07
350	489538.17, 3859771.48	3.88E-03	1.23E-06	5.20E-07	4.19E-03	1.32E-06	5.60E-07	6.58E-03	2.08E-06	8.81E-07
351	489588.17, 3859771.48	3.86E-03	1.22E-06	5.17E-07	4.16E-03	1.31E-06	5.57E-07	6.54E-03	2.06E-06	8.76E-07
352	489238.17, 3859821.48	3.83E-03	1.21E-06	5.13E-07	4.13E-03	1.30E-06	5.53E-07	6.48E-03	2.05E-06	8.68E-07
353	489288.17, 3859821.48	3.83E-03	1.21E-06	5.13E-07	4.13E-03	1.30E-06	5.53E-07	6.49E-03	2.05E-06	8.69E-07
354	489338.17, 3859821.48	3.82E-03	1.21E-06	5.12E-07	4.12E-03	1.30E-06	5.52E-07	6.47E-03	2.04E-06	8.67E-07
355	489388.17, 3859821.48	3.81E-03	1.20E-06	5.10E-07	4.11E-03	1.30E-06	5.50E-07	6.46E-03	2.04E-06	8.65E-07
356	489438.17, 3859821.48	3.80E-03	1.20E-06	5.09E-07	4.10E-03	1.29E-06	5.49E-07	6.45E-03	2.03E-06	8.63E-07
357	489488.17, 3859821.48	3.79E-03	1.20E-06	5.08E-07	4.09E-03	1.29E-06	5.47E-07	6.43E-03	2.03E-06	8.61E-07
358	489538.17, 3859821.48	3.78E-03	1.19E-06	5.06E-07	4.07E-03	1.29E-06	5.45E-07	6.40E-03	2.02E-06	8.58E-07
359	489588.17, 3859821.48	3.76E-03	1.19E-06	5.03E-07	4.05E-03	1.28E-06	5.42E-07	6.37E-03	2.01E-06	8.53E-07
360	489238.17, 3859871.48	3.71E-03	1.17E-06	4.97E-07	4.00E-03	1.26E-06	5.35E-07	6.28E-03	1.98E-06	8.41E-07
361	489288.17, 3859871.48	3.71E-03	1.17E-06	4.96E-07	4.00E-03	1.26E-06	5.35E-07	6.28E-03	1.98E-06	8.41E-07
362	489338.17, 3859871.48	3.70E-03	1.17E-06	4.96E-07	3.99E-03	1.26E-06	5.35E-07	6.28E-03	1.98E-06	8.41E-07

363	489388.17, 3859871.48	3.70E-03	1.17E-06	4.96E-07	3.99E-03	1.26E-06	5.34E-07	6.28E-03	1.98E-06	8.40E-07
364	489438.17, 3859871.48	3.70E-03	1.17E-06	4.96E-07	3.99E-03	1.26E-06	5.34E-07	6.28E-03	1.98E-06	8.40E-07
365	489488.17, 3859871.48	3.70E-03	1.17E-06	4.95E-07	3.99E-03	1.26E-06	5.34E-07	6.27E-03	1.98E-06	8.40E-07
366	489538.17, 3859871.48	3.68E-03	1.16E-06	4.93E-07	3.97E-03	1.25E-06	5.31E-07	6.24E-03	1.97E-06	8.36E-07
367	489588.17, 3859871.48	3.66E-03	1.16E-06	4.90E-07	3.95E-03	1.25E-06	5.29E-07	6.21E-03	1.96E-06	8.32E-07
368	489238.17, 3859921.48	3.59E-03	1.13E-06	4.81E-07	3.87E-03	1.22E-06	5.19E-07	6.09E-03	1.92E-06	8.16E-07
369	489288.17, 3859921.48	3.60E-03	1.14E-06	4.82E-07	3.88E-03	1.22E-06	5.20E-07	6.10E-03	1.93E-06	8.17E-07
370	489338.17, 3859921.48	3.60E-03	1.14E-06	4.82E-07	3.88E-03	1.22E-06	5.20E-07	6.10E-03	1.93E-06	8.18E-07
371	489388.17, 3859921.48	3.60E-03	1.14E-06	4.82E-07	3.88E-03	1.23E-06	5.20E-07	6.11E-03	1.93E-06	8.18E-07
372	489438.17, 3859921.48	3.61E-03	1.14E-06	4.83E-07	3.89E-03	1.23E-06	5.21E-07	6.12E-03	1.93E-06	8.20E-07
373	489488.17, 3859921.48	3.60E-03	1.14E-06	4.82E-07	3.88E-03	1.22E-06	5.20E-07	6.11E-03	1.93E-06	8.18E-07
374	489538.17, 3859921.48	3.59E-03	1.13E-06	4.80E-07	3.87E-03	1.22E-06	5.18E-07	6.09E-03	1.92E-06	8.15E-07
375	489588.17, 3859921.48	3.57E-03	1.13E-06	4.79E-07	3.85E-03	1.22E-06	5.16E-07	6.07E-03	1.92E-06	8.13E-07
376	489238.17, 3859971.48	3.49E-03	1.10E-06	4.67E-07	3.76E-03	1.19E-06	5.03E-07	5.91E-03	1.87E-06	7.92E-07
377	489288.17, 3859971.48	3.49E-03	1.10E-06	4.68E-07	3.76E-03	1.19E-06	5.04E-07	5.92E-03	1.87E-06	7.93E-07
378	489338.17, 3859971.48	3.50E-03	1.10E-06	4.68E-07	3.77E-03	1.19E-06	5.05E-07	5.93E-03	1.87E-06	7.95E-07
379	489388.17, 3859971.48	3.50E-03	1.11E-06	4.69E-07	3.78E-03	1.19E-06	5.06E-07	5.95E-03	1.88E-06	7.97E-07
380	489438.17, 3859971.48	3.51E-03	1.11E-06	4.70E-07	3.79E-03	1.20E-06	5.07E-07	5.97E-03	1.88E-06	7.99E-07
381	489488.17, 3859971.48	3.51E-03	1.11E-06	4.71E-07	3.79E-03	1.20E-06	5.07E-07	5.98E-03	1.89E-06	8.00E-07
382	489538.17, 3859971.48	3.51E-03	1.11E-06	4.70E-07	3.78E-03	1.19E-06	5.06E-07	5.97E-03	1.88E-06	7.99E-07
383	489588.17, 3859971.48	3.49E-03	1.10E-06	4.68E-07	3.77E-03	1.19E-06	5.05E-07	5.95E-03	1.88E-06	7.96E-07
384	483577.7, 3854071	1.45E-02	4.58E-06	1.94E-06	1.58E-02	4.98E-06	2.11E-06	2.64E-02	8.32E-06	3.53E-06
385	483627.7, 3854071	1.38E-02	4.35E-06	1.85E-06	1.50E-02	4.73E-06	2.01E-06	2.50E-02	7.90E-06	3.35E-06
386	483677.7, 3854071	1.31E-02	4.12E-06	1.75E-06	1.42E-02	4.48E-06	1.90E-06	2.37E-02	7.47E-06	3.17E-06
387	483727.7, 3854071	1.24E-02	3.91E-06	1.66E-06	1.35E-02	4.25E-06	1.80E-06	2.24E-02	7.07E-06	3.00E-06
388	483777.7, 3854071	1.16E-02	3.66E-06	1.55E-06	1.26E-02	3.97E-06	1.69E-06	2.09E-02	6.59E-06	2.80E-06
389	483577.7, 3854121	1.60E-02	5.06E-06	2.15E-06	1.75E-02	5.51E-06	2.34E-06	2.94E-02	9.26E-06	3.93E-06
390	483627.7, 3854121	1.50E-02	4.75E-06	2.02E-06	1.64E-02	5.17E-06	2.19E-06	2.75E-02	8.67E-06	3.68E-06
391	483677.7, 3854121	1.40E-02	4.42E-06	1.88E-06	1.52E-02	4.81E-06	2.04E-06	2.55E-02	8.04E-06	3.41E-06
392	483727.7, 3854121	1.30E-02	4.10E-06	1.74E-06	1.41E-02	4.46E-06	1.89E-06	2.36E-02	7.44E-06	3.16E-06
393	483777.7, 3854121	1.23E-02	3.88E-06	1.64E-06	1.33E-02	4.21E-06	1.79E-06	2.22E-02	7.01E-06	2.98E-06
394	483577.7, 3854171	1.72E-02	5.44E-06	2.31E-06	1.88E-02	5.93E-06	2.51E-06	3.17E-02	9.99E-06	4.24E-06
395	483627.7, 3854171	1.59E-02	5.00E-06	2.12E-06	1.73E-02	5.45E-06	2.31E-06	2.90E-02	9.15E-06	3.88E-06
396	483677.7, 3854171	1.48E-02	4.66E-06	1.98E-06	1.61E-02	5.07E-06	2.15E-06	2.69E-02	8.50E-06	3.61E-06
397	483727.7, 3854171	1.39E-02	4.38E-06	1.86E-06	1.51E-02	4.77E-06	2.02E-06	2.53E-02	7.97E-06	3.38E-06
398	483777.7, 3854171	1.30E-02	4.11E-06	1.74E-06	1.41E-02	4.46E-06	1.89E-06	2.36E-02	7.45E-06	3.16E-06
399	483827.7, 3854171	1.20E-02	3.78E-06	1.60E-06	1.30E-02	4.10E-06	1.74E-06	2.16E-02	6.83E-06	2.90E-06
400	483877.7, 3854171	1.13E-02	3.58E-06	1.52E-06	1.23E-02	3.89E-06	1.65E-06	2.05E-02	6.46E-06	2.74E-06
401	483727.7, 3854221	1.49E-02	4.71E-06	2.00E-06	1.62E-02	5.12E-06	2.17E-06	2.71E-02	8.57E-06	3.63E-06
402	483777.7, 3854221	1.39E-02	4.38E-06	1.86E-06	1.51E-02	4.77E-06	2.02E-06	2.52E-02	7.96E-06	3.38E-06
403	483827.7, 3854221	1.34E-02	4.21E-06	1.79E-06	1.45E-02	4.58E-06	1.94E-06	2.42E-02	7.63E-06	3.24E-06
404	483877.7, 3854221	1.24E-02	3.92E-06	1.66E-06	1.35E-02	4.26E-06	1.81E-06	2.24E-02	7.08E-06	3.00E-06
405	489150.19, 3858726.45	1.44E-02	4.53E-06	1.92E-06	1.53E-02	4.84E-06	2.05E-06	2.27E-02	7.16E-06	3.04E-06
406	489200.19, 3858726.45	1.40E-02	4.40E-06	1.87E-06	1.49E-02	4.71E-06	2.00E-06	2.22E-02	7.01E-06	2.97E-06
407	489150.19, 3858776.45	1.38E-02	4.36E-06	1.85E-06	1.47E-02	4.65E-06	1.97E-06	2.15E-02	6.79E-06	2.88E-06
408	489200.19, 3858776.45	1.34E-02	4.22E-06	1.79E-06	1.43E-02	4.51E-06	1.91E-06	2.10E-02	6.64E-06	2.82E-06
409	488919.6, 3856400.76	1.64E-02	5.18E-06	2.20E-06	1.77E-02	5.59E-06	2.37E-06	2.83E-02	8.93E-06	3.79E-06
410	488919.6, 3856450.76	1.68E-02	5.29E-06	2.24E-06	1.81E-02	5.71E-06	2.42E-06	2.89E-02	9.12E-06	3.87E-06
411	488969.6, 3856450.76	1.65E-02	5.21E-06	2.21E-06	1.78E-02	5.63E-06	2.39E-06	2.85E-02	9.00E-06	3.82E-06
412	488919.6, 3856500.76	1.71E-02	5.40E-06	2.29E-06	1.85E-02	5.83E-06	2.48E-06	2.95E-02	9.32E-06	3.95E-06
413	488969.6, 3856500.76	1.69E-02	5.33E-06	2.26E-06	1.82E-02	5.76E-06	2.44E-06	2.91E-02	9.20E-06	3.90E-06
414	488919.6, 3856550.76	1.75E-02	5.52E-06	2.34E-06	1.89E-02	5.96E-06	2.53E-06	3.02E-02	9.53E-06	4.04E-06
415	488969.6, 3856550.76	1.72E-02	5.44E-06	2.31E-06	1.86E-02	5.88E-06	2.49E-06	2.98E-02	9.39E-06	3.98E-06
416	488819.6, 3856600.76	1.84E-02	5.80E-06	2.46E-06	1.98E-02	6.26E-06	2.66E-06	3.17E-02	1.00E-05	4.25E-06
417	488869.6, 3856600.76	1.81E-02	5.71E-06	2.42E-06	1.95E-02	6.17E-06	2.62E-06	3.12E-02	9.86E-06	4.18E-06
418	488919.6, 3856600.76	1.78E-02	5.63E-06	2.39E-06	1.93E-02	6.08E-06	2.58E-06	3.08E-02	9.72E-06	4.13E-06
419	488819.6, 3856650.76	1.88E-02	5.92E-06	2.51E-06	2.03E-02	6.39E-06	2.71E-06	3.24E-02	1.02E-05	4.34E-06
420	488869.6, 3856650.76	1.85E-02	5.83E-06	2.47E-06	2.00E-02	6.30E-06	2.67E-06	3.19E-02	1.01E-05	4.27E-06
421	488819.6, 3856700.76	1.91E-02	6.04E-06	2.56E-06	2.07E-02	6.53E-06	2.77E-06	3.31E-02	1.04E-05	4.43E-06
422	488869.6, 3856700.76	1.88E-02	5.95E-06	2.52E-06	2.04E-02	6.43E-06	2.73E-06	3.26E-02	1.03E-05	4.36E-06
423	488819.6, 3856750.76	1.95E-02	6.16E-06	2.61E-06	2.11E-02	6.66E-06	2.83E-06	3.37E-02	1.06E-05	4.52E-06

424	488869.6, 3856750.76	1.92E-02	6.07E-06	2.57E-06	2.08E-02	6.56E-06	2.78E-06	3.32E-02	1.05E-05	4.45E-06
425	488819.6, 3857050.76	2.19E-02	6.93E-06	2.94E-06	2.37E-02	7.49E-06	3.18E-06	3.80E-02	1.20E-05	5.09E-06
426	488869.6, 3857050.76	2.16E-02	6.80E-06	2.89E-06	2.33E-02	7.35E-06	3.12E-06	3.73E-02	1.18E-05	5.00E-06
427	488919.6, 3857050.76	2.12E-02	6.68E-06	2.84E-06	2.29E-02	7.22E-06	3.06E-06	3.67E-02	1.16E-05	4.91E-06
428	488819.6, 3857100.76	2.23E-02	7.05E-06	2.99E-06	2.41E-02	7.62E-06	3.23E-06	3.87E-02	1.22E-05	5.18E-06
429	488869.6, 3857100.76	2.19E-02	6.92E-06	2.94E-06	2.37E-02	7.48E-06	3.17E-06	3.80E-02	1.20E-05	5.09E-06
430	488919.6, 3857100.76	2.15E-02	6.79E-06	2.88E-06	2.33E-02	7.34E-06	3.12E-06	3.73E-02	1.18E-05	5.00E-06
431	488819.6, 3857150.76	2.27E-02	7.17E-06	3.04E-06	2.46E-02	7.75E-06	3.29E-06	3.94E-02	1.24E-05	5.27E-06
432	488869.6, 3857150.76	2.23E-02	7.03E-06	2.98E-06	2.41E-02	7.60E-06	3.23E-06	3.86E-02	1.22E-05	5.18E-06
433	488919.6, 3857150.76	2.19E-02	6.90E-06	2.93E-06	2.36E-02	7.46E-06	3.17E-06	3.79E-02	1.20E-05	5.08E-06
434	488969.6, 3857150.76	2.15E-02	6.78E-06	2.88E-06	2.32E-02	7.32E-06	3.11E-06	3.72E-02	1.18E-05	4.99E-06
435	488819.6, 3857200.76	2.31E-02	7.29E-06	3.09E-06	2.50E-02	7.88E-06	3.34E-06	4.01E-02	1.26E-05	5.37E-06
436	488869.6, 3857200.76	2.27E-02	7.15E-06	3.03E-06	2.45E-02	7.73E-06	3.28E-06	3.93E-02	1.24E-05	5.26E-06
437	488919.6, 3857200.76	2.22E-02	7.01E-06	2.98E-06	2.40E-02	7.58E-06	3.22E-06	3.85E-02	1.22E-05	5.16E-06
438	488969.6, 3857200.76	2.18E-02	6.88E-06	2.92E-06	2.36E-02	7.44E-06	3.16E-06	3.78E-02	1.19E-05	5.06E-06
439	488819.6, 3857250.76	2.35E-02	7.41E-06	3.14E-06	2.54E-02	8.01E-06	3.40E-06	4.07E-02	1.29E-05	5.46E-06
440	488869.6, 3857250.76	2.30E-02	7.26E-06	3.08E-06	2.49E-02	7.85E-06	3.33E-06	3.99E-02	1.26E-05	5.35E-06
441	488919.6, 3857250.76	2.26E-02	7.12E-06	3.02E-06	2.44E-02	7.70E-06	3.27E-06	3.91E-02	1.24E-05	5.24E-06
442	488969.6, 3857250.76	2.21E-02	6.98E-06	2.96E-06	2.39E-02	7.55E-06	3.20E-06	3.84E-02	1.21E-05	5.14E-06
443	488819.6, 3857300.76	2.38E-02	7.53E-06	3.19E-06	2.58E-02	8.14E-06	3.45E-06	4.14E-02	1.31E-05	5.54E-06
444	488869.6, 3857300.76	2.34E-02	7.37E-06	3.13E-06	2.52E-02	7.97E-06	3.38E-06	4.05E-02	1.28E-05	5.43E-06
445	488919.6, 3857300.76	2.29E-02	7.22E-06	3.06E-06	2.47E-02	7.81E-06	3.31E-06	3.97E-02	1.25E-05	5.32E-06
446	488819.6, 3857450.76	2.49E-02	7.85E-06	3.33E-06	2.69E-02	8.49E-06	3.60E-06	4.32E-02	1.36E-05	5.79E-06
447	488869.6, 3857450.76	2.43E-02	7.68E-06	3.26E-06	2.63E-02	8.30E-06	3.52E-06	4.23E-02	1.33E-05	5.66E-06
448	488919.6, 3857450.76	2.38E-02	7.51E-06	3.19E-06	2.57E-02	8.12E-06	3.44E-06	4.13E-02	1.30E-05	5.53E-06
449	488819.6, 3857500.76	2.52E-02	7.95E-06	3.38E-06	2.73E-02	8.60E-06	3.65E-06	4.38E-02	1.38E-05	5.87E-06
450	488869.6, 3857500.76	2.46E-02	7.77E-06	3.30E-06	2.66E-02	8.40E-06	3.57E-06	4.28E-02	1.35E-05	5.73E-06
451	488919.6, 3857500.76	2.41E-02	7.59E-06	3.22E-06	2.60E-02	8.21E-06	3.48E-06	4.18E-02	1.32E-05	5.60E-06
452	488819.6, 3857550.76	2.55E-02	8.05E-06	3.42E-06	2.76E-02	8.71E-06	3.69E-06	4.44E-02	1.40E-05	5.94E-06
453	488869.6, 3857550.76	2.49E-02	7.86E-06	3.34E-06	2.69E-02	8.50E-06	3.61E-06	4.33E-02	1.37E-05	5.80E-06
454	488919.6, 3857550.76	2.43E-02	7.68E-06	3.26E-06	2.63E-02	8.30E-06	3.52E-06	4.23E-02	1.33E-05	5.66E-06
455	489663.71, 3860900.05	2.05E-03	6.48E-07	2.75E-07	2.21E-03	6.99E-07	2.96E-07	3.49E-03	1.10E-06	4.67E-07
456	489813.71, 3860900.05	2.07E-03	6.53E-07	2.77E-07	2.23E-03	7.04E-07	2.99E-07	3.52E-03	1.11E-06	4.71E-07
457	489863.71, 3860900.05	2.07E-03	6.54E-07	2.78E-07	2.24E-03	7.06E-07	2.99E-07	3.53E-03	1.11E-06	4.72E-07
458	489913.71, 3860900.05	2.08E-03	6.57E-07	2.79E-07	2.24E-03	7.08E-07	3.01E-07	3.54E-03	1.12E-06	4.74E-07
459	489963.71, 3860900.05	2.08E-03	6.58E-07	2.79E-07	2.25E-03	7.09E-07	3.01E-07	3.55E-03	1.12E-06	4.75E-07
460	490013.71, 3860900.05	2.09E-03	6.61E-07	2.80E-07	2.26E-03	7.12E-07	3.02E-07	3.56E-03	1.12E-06	4.77E-07
461	490063.71, 3860900.05	2.10E-03	6.62E-07	2.81E-07	2.26E-03	7.14E-07	3.03E-07	3.57E-03	1.13E-06	4.78E-07
462	489663.71, 3860950.05	2.00E-03	6.33E-07	2.68E-07	2.16E-03	6.82E-07	2.89E-07	3.41E-03	1.07E-06	4.56E-07
463	489813.71, 3860950.05	2.02E-03	6.38E-07	2.71E-07	2.18E-03	6.88E-07	2.92E-07	3.44E-03	1.08E-06	4.60E-07
464	489863.71, 3860950.05	2.02E-03	6.38E-07	2.71E-07	2.18E-03	6.88E-07	2.92E-07	3.44E-03	1.09E-06	4.61E-07
465	489913.71, 3860950.05	2.03E-03	6.41E-07	2.72E-07	2.19E-03	6.91E-07	2.93E-07	3.45E-03	1.09E-06	4.62E-07
466	489963.71, 3860950.05	2.03E-03	6.42E-07	2.72E-07	2.19E-03	6.92E-07	2.94E-07	3.46E-03	1.09E-06	4.63E-07
467	490013.71, 3860950.05	2.04E-03	6.44E-07	2.73E-07	2.20E-03	6.94E-07	2.95E-07	3.47E-03	1.10E-06	4.65E-07
468	490063.71, 3860950.05	2.05E-03	6.46E-07	2.74E-07	2.21E-03	6.97E-07	2.96E-07	3.48E-03	1.10E-06	4.66E-07
469	489513.71, 3861000.05	1.95E-03	6.15E-07	2.61E-07	2.10E-03	6.63E-07	2.81E-07	3.31E-03	1.04E-06	4.43E-07
470	489563.71, 3861000.05	1.95E-03	6.16E-07	2.61E-07	2.10E-03	6.64E-07	2.82E-07	3.31E-03	1.05E-06	4.44E-07
471	489613.71, 3861000.05	1.96E-03	6.17E-07	2.62E-07	2.11E-03	6.65E-07	2.82E-07	3.32E-03	1.05E-06	4.45E-07
472	489663.71, 3861000.05	1.96E-03	6.18E-07	2.62E-07	2.11E-03	6.67E-07	2.83E-07	3.33E-03	1.05E-06	4.46E-07
473	489713.71, 3861000.05	1.96E-03	6.19E-07	2.63E-07	2.12E-03	6.68E-07	2.83E-07	3.33E-03	1.05E-06	4.46E-07
474	489763.71, 3861000.05	1.97E-03	6.20E-07	2.63E-07	2.12E-03	6.69E-07	2.84E-07	3.34E-03	1.05E-06	4.47E-07
475	489813.71, 3861000.05	1.97E-03	6.23E-07	2.64E-07	2.13E-03	6.72E-07	2.85E-07	3.36E-03	1.06E-06	4.49E-07
476	489863.71, 3861000.05	1.98E-03	6.24E-07	2.65E-07	2.13E-03	6.72E-07	2.85E-07	3.36E-03	1.06E-06	4.50E-07
477	489913.71, 3861000.05	1.98E-03	6.26E-07	2.65E-07	2.14E-03	6.75E-07	2.86E-07	3.37E-03	1.06E-06	4.51E-07
478	489963.71, 3861000.05	1.98E-03	6.26E-07	2.66E-07	2.14E-03	6.76E-07	2.87E-07	3.38E-03	1.07E-06	4.52E-07
479	490013.71, 3861000.05	1.99E-03	6.28E-07	2.67E-07	2.15E-03	6.78E-07	2.88E-07	3.39E-03	1.07E-06	4.54E-07
480	490063.71, 3861000.05	2.00E-03	6.30E-07	2.67E-07	2.15E-03	6.79E-07	2.88E-07	3.40E-03	1.07E-06	4.55E-07
481	489513.71, 3861050.05	1.91E-03	6.02E-07	2.55E-07	2.06E-03	6.49E-07	2.75E-07	3.24E-03	1.02E-06	4.34E-07
482	489563.71, 3861050.05	1.91E-03	6.02E-07	2.56E-07	2.06E-03	6.50E-07	2.76E-07	3.24E-03	1.02E-06	4.34E-07
483	489613.71, 3861050.05	1.91E-03	6.04E-07	2.56E-07	2.06E-03	6.52E-07	2.76E-07	3.25E-03	1.03E-06	4.36E-07
484	489663.71, 3861050.05	1.92E-03	6.04E-07	2.56E-07	2.07E-03	6.52E-07	2.77E-07	3.25E-03	1.03E-06	4.36E-07

485	489713.71, 3861050.05	1.92E-03	6.05E-07	2.57E-07	2.07E-03	6.52E-07	2.77E-07	3.26E-03	1.03E-06	4.36E-07
486	489763.71, 3861050.05	1.92E-03	6.06E-07	2.57E-07	2.07E-03	6.54E-07	2.77E-07	3.27E-03	1.03E-06	4.37E-07
487	489813.71, 3861050.05	1.93E-03	6.08E-07	2.58E-07	2.08E-03	6.56E-07	2.78E-07	3.28E-03	1.03E-06	4.39E-07
488	489863.71, 3861050.05	1.93E-03	6.09E-07	2.58E-07	2.08E-03	6.57E-07	2.79E-07	3.28E-03	1.04E-06	4.39E-07
489	489913.71, 3861050.05	1.93E-03	6.11E-07	2.59E-07	2.09E-03	6.58E-07	2.79E-07	3.29E-03	1.04E-06	4.41E-07
490	489963.71, 3861050.05	1.94E-03	6.12E-07	2.60E-07	2.09E-03	6.60E-07	2.80E-07	3.30E-03	1.04E-06	4.42E-07
491	490013.71, 3861050.05	1.95E-03	6.14E-07	2.61E-07	2.10E-03	6.62E-07	2.81E-07	3.31E-03	1.04E-06	4.43E-07
492	490063.71, 3861050.05	1.95E-03	6.15E-07	2.61E-07	2.10E-03	6.64E-07	2.82E-07	3.32E-03	1.05E-06	4.44E-07
493	489513.71, 3861100.05	1.87E-03	5.90E-07	2.50E-07	2.02E-03	6.36E-07	2.70E-07	3.17E-03	1.00E-06	4.25E-07
494	489563.71, 3861100.05	1.87E-03	5.89E-07	2.50E-07	2.01E-03	6.36E-07	2.70E-07	3.17E-03	1.00E-06	4.25E-07
495	489613.71, 3861100.05	1.87E-03	5.89E-07	2.50E-07	2.01E-03	6.35E-07	2.69E-07	3.17E-03	1.00E-06	4.24E-07
496	489663.71, 3861100.05	1.87E-03	5.90E-07	2.50E-07	2.02E-03	6.36E-07	2.70E-07	3.17E-03	1.00E-06	4.25E-07
497	489713.71, 3861100.05	1.87E-03	5.91E-07	2.51E-07	2.02E-03	6.37E-07	2.70E-07	3.18E-03	1.00E-06	4.26E-07
498	489763.71, 3861100.05	1.88E-03	5.92E-07	2.51E-07	2.02E-03	6.39E-07	2.71E-07	3.19E-03	1.01E-06	4.27E-07
499	489813.71, 3861100.05	1.88E-03	5.94E-07	2.52E-07	2.03E-03	6.40E-07	2.72E-07	3.20E-03	1.01E-06	4.28E-07
500	489863.71, 3861100.05	1.89E-03	5.96E-07	2.53E-07	2.04E-03	6.43E-07	2.73E-07	3.21E-03	1.01E-06	4.30E-07
501	489913.71, 3861100.05	1.89E-03	5.96E-07	2.53E-07	2.04E-03	6.43E-07	2.73E-07	3.21E-03	1.01E-06	4.30E-07
502	489963.71, 3861100.05	1.89E-03	5.98E-07	2.54E-07	2.04E-03	6.45E-07	2.74E-07	3.22E-03	1.02E-06	4.31E-07
503	490013.71, 3861100.05	1.90E-03	5.99E-07	2.54E-07	2.05E-03	6.46E-07	2.74E-07	3.23E-03	1.02E-06	4.32E-07
504	490063.71, 3861100.05	1.90E-03	6.00E-07	2.55E-07	2.05E-03	6.48E-07	2.75E-07	3.24E-03	1.02E-06	4.33E-07
505	489713.71, 3861150.05	1.83E-03	5.78E-07	2.45E-07	1.97E-03	6.23E-07	2.64E-07	3.11E-03	9.82E-07	4.17E-07
506	489763.71, 3861150.05	1.83E-03	5.79E-07	2.46E-07	1.98E-03	6.24E-07	2.65E-07	3.12E-03	9.84E-07	4.18E-07
507	489813.71, 3861150.05	1.84E-03	5.80E-07	2.46E-07	1.98E-03	6.26E-07	2.66E-07	3.13E-03	9.87E-07	4.19E-07
508	489863.71, 3861150.05	1.84E-03	5.82E-07	2.47E-07	1.99E-03	6.27E-07	2.66E-07	3.13E-03	9.89E-07	4.20E-07
509	489913.71, 3861150.05	1.85E-03	5.83E-07	2.47E-07	1.99E-03	6.28E-07	2.67E-07	3.14E-03	9.91E-07	4.20E-07
510	489963.71, 3861150.05	1.85E-03	5.84E-07	2.48E-07	1.99E-03	6.29E-07	2.67E-07	3.15E-03	9.93E-07	4.21E-07
511	490013.71, 3861150.05	1.85E-03	5.85E-07	2.48E-07	2.00E-03	6.30E-07	2.67E-07	3.15E-03	9.95E-07	4.22E-07
512	490063.71, 3861150.05	1.86E-03	5.86E-07	2.49E-07	2.00E-03	6.32E-07	2.68E-07	3.16E-03	9.98E-07	4.23E-07
513	489613.71, 3861200.05	1.78E-03	5.63E-07	2.39E-07	1.92E-03	6.07E-07	2.57E-07	3.03E-03	9.56E-07	4.06E-07
514	489663.71, 3861200.05	1.79E-03	5.64E-07	2.39E-07	1.93E-03	6.08E-07	2.58E-07	3.04E-03	9.58E-07	4.06E-07
515	489713.71, 3861200.05	1.79E-03	5.65E-07	2.40E-07	1.93E-03	6.09E-07	2.59E-07	3.04E-03	9.60E-07	4.07E-07
516	489763.71, 3861200.05	1.79E-03	5.66E-07	2.40E-07	1.93E-03	6.11E-07	2.59E-07	3.05E-03	9.62E-07	4.08E-07
517	489813.71, 3861200.05	1.80E-03	5.68E-07	2.41E-07	1.94E-03	6.12E-07	2.60E-07	3.06E-03	9.65E-07	4.09E-07
518	489863.71, 3861200.05	1.80E-03	5.69E-07	2.42E-07	1.94E-03	6.14E-07	2.60E-07	3.07E-03	9.68E-07	4.11E-07
519	489913.71, 3861200.05	1.81E-03	5.70E-07	2.42E-07	1.95E-03	6.15E-07	2.61E-07	3.07E-03	9.69E-07	4.11E-07
520	489963.71, 3861200.05	1.81E-03	5.71E-07	2.42E-07	1.95E-03	6.15E-07	2.61E-07	3.08E-03	9.71E-07	4.12E-07
521	490013.71, 3861200.05	1.81E-03	5.72E-07	2.43E-07	1.95E-03	6.17E-07	2.62E-07	3.08E-03	9.73E-07	4.13E-07
522	490063.71, 3861200.05	1.82E-03	5.73E-07	2.43E-07	1.96E-03	6.18E-07	2.62E-07	3.09E-03	9.75E-07	4.14E-07
523	489513.71, 3861250.05	1.74E-03	5.49E-07	2.33E-07	1.87E-03	5.92E-07	2.51E-07	2.95E-03	9.31E-07	3.95E-07
524	489563.71, 3861250.05	1.74E-03	5.50E-07	2.33E-07	1.88E-03	5.93E-07	2.52E-07	2.96E-03	9.34E-07	3.96E-07
525	489613.71, 3861250.05	1.75E-03	5.51E-07	2.34E-07	1.88E-03	5.94E-07	2.52E-07	2.97E-03	9.36E-07	3.97E-07
526	489663.71, 3861250.05	1.75E-03	5.52E-07	2.34E-07	1.89E-03	5.95E-07	2.53E-07	2.97E-03	9.38E-07	3.98E-07
527	489713.71, 3861250.05	1.75E-03	5.53E-07	2.35E-07	1.89E-03	5.96E-07	2.53E-07	2.98E-03	9.40E-07	3.99E-07
528	489763.71, 3861250.05	1.76E-03	5.54E-07	2.35E-07	1.89E-03	5.98E-07	2.54E-07	2.98E-03	9.42E-07	4.00E-07
529	489813.71, 3861250.05	1.76E-03	5.55E-07	2.36E-07	1.90E-03	5.99E-07	2.54E-07	2.99E-03	9.44E-07	4.00E-07
530	489863.71, 3861250.05	1.76E-03	5.56E-07	2.36E-07	1.90E-03	6.00E-07	2.55E-07	3.00E-03	9.46E-07	4.01E-07
531	489913.71, 3861250.05	1.77E-03	5.58E-07	2.37E-07	1.91E-03	6.02E-07	2.55E-07	3.01E-03	9.48E-07	4.02E-07
532	489963.71, 3861250.05	1.77E-03	5.59E-07	2.37E-07	1.91E-03	6.03E-07	2.56E-07	3.01E-03	9.50E-07	4.03E-07
533	490013.71, 3861250.05	1.77E-03	5.60E-07	2.38E-07	1.91E-03	6.04E-07	2.56E-07	3.02E-03	9.52E-07	4.04E-07
534	490063.71, 3861250.05	1.78E-03	5.60E-07	2.38E-07	1.91E-03	6.04E-07	2.56E-07	3.02E-03	9.53E-07	4.04E-07
535	489528.13, 3861308.47	1.70E-03	5.36E-07	2.27E-07	1.83E-03	5.77E-07	2.45E-07	2.88E-03	9.09E-07	3.86E-07
536	489578.13, 3861308.47	1.70E-03	5.37E-07	2.28E-07	1.83E-03	5.79E-07	2.46E-07	2.89E-03	9.11E-07	3.87E-07
537	489628.13, 3861308.47	1.70E-03	5.38E-07	2.28E-07	1.84E-03	5.80E-07	2.46E-07	2.89E-03	9.13E-07	3.87E-07
538	489678.13, 3861308.47	1.71E-03	5.39E-07	2.29E-07	1.84E-03	5.81E-07	2.47E-07	2.90E-03	9.15E-07	3.88E-07
539	489728.13, 3861308.47	1.71E-03	5.40E-07	2.29E-07	1.85E-03	5.82E-07	2.47E-07	2.91E-03	9.18E-07	3.89E-07
540	489778.13, 3861308.47	1.71E-03	5.41E-07	2.29E-07	1.85E-03	5.83E-07	2.47E-07	2.91E-03	9.19E-07	3.90E-07
541	489678.13, 3861358.47	1.67E-03	5.28E-07	2.24E-07	1.80E-03	5.69E-07	2.41E-07	2.84E-03	8.96E-07	3.80E-07
542	489728.13, 3861358.47	1.68E-03	5.29E-07	2.24E-07	1.81E-03	5.70E-07	2.42E-07	2.85E-03	8.98E-07	3.81E-07
543	489528.13, 3861408.47	1.63E-03	5.14E-07	2.18E-07	1.76E-03	5.54E-07	2.35E-07	2.76E-03	8.72E-07	3.70E-07
544	489578.13, 3861408.47	1.63E-03	5.15E-07	2.18E-07	1.76E-03	5.55E-07	2.36E-07	2.77E-03	8.74E-07	3.71E-07
545	489628.13, 3861408.47	1.64E-03	5.17E-07	2.19E-07	1.77E-03	5.57E-07	2.36E-07	2.78E-03	8.77E-07	3.72E-07

546	489678.13, 3861408.47	1.64E-03	5.17E-07	2.19E-07	1.77E-03	5.58E-07	2.37E-07	2.78E-03	8.79E-07	3.73E-07
547	489728.13, 3861408.47	1.64E-03	5.18E-07	2.20E-07	1.77E-03	5.58E-07	2.37E-07	2.79E-03	8.80E-07	3.73E-07
548	489528.13, 3861458.47	1.60E-03	5.04E-07	2.14E-07	1.72E-03	5.43E-07	2.31E-07	2.71E-03	8.55E-07	3.63E-07
549	489578.13, 3861458.47	1.60E-03	5.05E-07	2.14E-07	1.73E-03	5.45E-07	2.31E-07	2.72E-03	8.57E-07	3.64E-07
550	489628.13, 3861458.47	1.60E-03	5.06E-07	2.15E-07	1.73E-03	5.46E-07	2.31E-07	2.72E-03	8.59E-07	3.65E-07
551	489678.13, 3861458.47	1.61E-03	5.07E-07	2.15E-07	1.73E-03	5.46E-07	2.32E-07	2.73E-03	8.61E-07	3.65E-07
552	489728.13, 3861458.47	1.61E-03	5.07E-07	2.15E-07	1.73E-03	5.47E-07	2.32E-07	2.73E-03	8.61E-07	3.65E-07
553	489528.13, 3861508.47	1.57E-03	4.94E-07	2.10E-07	1.69E-03	5.33E-07	2.26E-07	2.66E-03	8.39E-07	3.56E-07
554	489578.13, 3861508.47	1.57E-03	4.95E-07	2.10E-07	1.69E-03	5.34E-07	2.26E-07	2.66E-03	8.40E-07	3.56E-07
555	489628.13, 3861508.47	1.57E-03	4.96E-07	2.10E-07	1.69E-03	5.35E-07	2.27E-07	2.67E-03	8.42E-07	3.57E-07
556	489678.13, 3861508.47	1.57E-03	4.96E-07	2.11E-07	1.70E-03	5.35E-07	2.27E-07	2.67E-03	8.43E-07	3.58E-07
557	489728.13, 3861508.47	1.57E-03	4.97E-07	2.11E-07	1.70E-03	5.36E-07	2.27E-07	2.67E-03	8.44E-07	3.58E-07
558	489628.13, 3861558.47	1.54E-03	4.87E-07	2.06E-07	1.66E-03	5.25E-07	2.23E-07	2.62E-03	8.26E-07	3.50E-07
559	489678.13, 3861558.47	1.55E-03	4.88E-07	2.07E-07	1.67E-03	5.26E-07	2.23E-07	2.62E-03	8.28E-07	3.51E-07
560	489728.13, 3861558.47	1.55E-03	4.88E-07	2.07E-07	1.67E-03	5.26E-07	2.23E-07	2.63E-03	8.29E-07	3.52E-07
561	489357.08, 3861015.81	1.93E-03	6.08E-07	2.58E-07	2.08E-03	6.55E-07	2.78E-07	3.27E-03	1.03E-06	4.37E-07
562	489407.08, 3861015.81	1.93E-03	6.08E-07	2.58E-07	2.08E-03	6.55E-07	2.78E-07	3.27E-03	1.03E-06	4.38E-07
563	489457.08, 3861015.81	1.93E-03	6.09E-07	2.58E-07	2.08E-03	6.56E-07	2.78E-07	3.27E-03	1.03E-06	4.38E-07
564	489357.08, 3861065.81	1.88E-03	5.95E-07	2.52E-07	2.03E-03	6.41E-07	2.72E-07	3.20E-03	1.01E-06	4.28E-07
565	489407.08, 3861065.81	1.88E-03	5.95E-07	2.52E-07	2.03E-03	6.41E-07	2.72E-07	3.20E-03	1.01E-06	4.28E-07
566	489457.08, 3861065.81	1.89E-03	5.96E-07	2.53E-07	2.03E-03	6.42E-07	2.72E-07	3.20E-03	1.01E-06	4.29E-07
567	489357.08, 3861115.81	1.84E-03	5.82E-07	2.47E-07	1.99E-03	6.27E-07	2.66E-07	3.13E-03	9.87E-07	4.19E-07
568	489407.08, 3861115.81	1.85E-03	5.83E-07	2.47E-07	1.99E-03	6.28E-07	2.67E-07	3.13E-03	9.89E-07	4.20E-07
569	489457.08, 3861115.81	1.85E-03	5.84E-07	2.48E-07	1.99E-03	6.29E-07	2.67E-07	3.14E-03	9.90E-07	4.20E-07
570	489407.08, 3861165.81	1.81E-03	5.71E-07	2.42E-07	1.95E-03	6.16E-07	2.61E-07	3.07E-03	9.69E-07	4.11E-07
571	489457.08, 3861165.81	1.81E-03	5.71E-07	2.42E-07	1.95E-03	6.16E-07	2.61E-07	3.07E-03	9.69E-07	4.11E-07
572	489407.08, 3861215.81	1.76E-03	5.57E-07	2.36E-07	1.90E-03	6.00E-07	2.55E-07	2.99E-03	9.44E-07	4.01E-07
573	489457.08, 3861215.81	1.77E-03	5.57E-07	2.36E-07	1.90E-03	6.01E-07	2.55E-07	3.00E-03	9.46E-07	4.01E-07
574	489407.08, 3861265.81	1.72E-03	5.43E-07	2.30E-07	1.85E-03	5.85E-07	2.48E-07	2.92E-03	9.21E-07	3.91E-07
575	489457.08, 3861265.81	1.72E-03	5.44E-07	2.31E-07	1.86E-03	5.86E-07	2.49E-07	2.92E-03	9.23E-07	3.92E-07
576	489309.86, 3861110.14	1.84E-03	5.82E-07	2.47E-07	1.99E-03	6.27E-07	2.66E-07	3.13E-03	9.87E-07	4.19E-07
577	489407.08, 3861315.81	1.68E-03	5.31E-07	2.25E-07	1.81E-03	5.73E-07	2.43E-07	2.86E-03	9.01E-07	3.82E-07
578	489457.08, 3861315.81	1.69E-03	5.33E-07	2.26E-07	1.82E-03	5.74E-07	2.44E-07	2.86E-03	9.04E-07	3.83E-07
579	488906.03, 3861006.75	1.92E-03	6.07E-07	2.57E-07	2.07E-03	6.54E-07	2.77E-07	3.26E-03	1.03E-06	4.36E-07
580	488956.03, 3861006.75	1.93E-03	6.09E-07	2.58E-07	2.08E-03	6.57E-07	2.79E-07	3.27E-03	1.03E-06	4.38E-07
581	488904.24, 3861051.87	1.91E-03	6.02E-07	2.56E-07	2.06E-03	6.49E-07	2.76E-07	3.23E-03	1.02E-06	4.33E-07
582	488954.24, 3861051.87	1.90E-03	6.00E-07	2.54E-07	2.05E-03	6.47E-07	2.74E-07	3.22E-03	1.02E-06	4.31E-07
583	489004.24, 3861051.87	1.91E-03	6.03E-07	2.56E-07	2.06E-03	6.50E-07	2.76E-07	3.24E-03	1.02E-06	4.33E-07
584	488804.24, 3861101.87	1.85E-03	5.84E-07	2.48E-07	1.99E-03	6.30E-07	2.67E-07	3.13E-03	9.89E-07	4.20E-07
585	488854.24, 3861101.87	1.86E-03	5.86E-07	2.49E-07	2.00E-03	6.32E-07	2.68E-07	3.15E-03	9.93E-07	4.21E-07
586	488904.24, 3861101.87	1.84E-03	5.81E-07	2.46E-07	1.98E-03	6.26E-07	2.66E-07	3.12E-03	9.84E-07	4.17E-07
587	488954.24, 3861101.87	1.84E-03	5.80E-07	2.46E-07	1.98E-03	6.25E-07	2.65E-07	3.11E-03	9.82E-07	4.17E-07
588	489004.24, 3861101.87	1.84E-03	5.80E-07	2.46E-07	1.98E-03	6.26E-07	2.65E-07	3.12E-03	9.83E-07	4.17E-07
589	488804.24, 3861151.87	1.79E-03	5.64E-07	2.39E-07	1.93E-03	6.08E-07	2.58E-07	3.02E-03	9.55E-07	4.05E-07
590	488854.24, 3861151.87	1.78E-03	5.63E-07	2.39E-07	1.92E-03	6.07E-07	2.58E-07	3.02E-03	9.54E-07	4.05E-07
591	489129.49, 3861187.55	1.77E-03	5.57E-07	2.37E-07	1.90E-03	6.01E-07	2.55E-07	2.99E-03	9.45E-07	4.01E-07
592	489179.49, 3861187.55	1.77E-03	5.58E-07	2.37E-07	1.91E-03	6.01E-07	2.55E-07	3.00E-03	9.46E-07	4.01E-07
593	488804.24, 3861201.87	1.75E-03	5.52E-07	2.34E-07	1.89E-03	5.95E-07	2.52E-07	2.96E-03	9.35E-07	3.97E-07
594	488854.24, 3861201.87	1.74E-03	5.50E-07	2.33E-07	1.88E-03	5.93E-07	2.52E-07	2.95E-03	9.32E-07	3.95E-07
595	489129.49, 3861237.55	1.73E-03	5.47E-07	2.32E-07	1.87E-03	5.90E-07	2.50E-07	2.94E-03	9.27E-07	3.93E-07
596	489179.49, 3861237.55	1.73E-03	5.46E-07	2.32E-07	1.87E-03	5.89E-07	2.50E-07	2.93E-03	9.26E-07	3.93E-07
597	488804.24, 3861251.87	1.71E-03	5.41E-07	2.30E-07	1.85E-03	5.83E-07	2.47E-07	2.90E-03	9.16E-07	3.89E-07
598	488854.24, 3861251.87	1.71E-03	5.39E-07	2.29E-07	1.84E-03	5.81E-07	2.47E-07	2.89E-03	9.13E-07	3.87E-07
599	488804.24, 3861301.87	1.68E-03	5.29E-07	2.25E-07	1.81E-03	5.70E-07	2.42E-07	2.84E-03	8.96E-07	3.80E-07
600	488854.24, 3861301.87	1.67E-03	5.28E-07	2.24E-07	1.80E-03	5.69E-07	2.42E-07	2.83E-03	8.95E-07	3.80E-07
601	490943.5, 3860181.97	2.81E-03	8.88E-07	3.77E-07	3.03E-03	9.57E-07	4.06E-07	4.79E-03	1.51E-06	6.41E-07
602	490993.5, 3860181.97	2.82E-03	8.90E-07	3.78E-07	3.04E-03	9.60E-07	4.07E-07	4.80E-03	1.51E-06	6.43E-07
603	491043.5, 3860181.97	2.83E-03	8.93E-07	3.79E-07	3.05E-03	9.63E-07	4.08E-07	4.81E-03	1.52E-06	6.44E-07
604	491093.5, 3860181.97	2.83E-03	8.94E-07	3.79E-07	3.06E-03	9.64E-07	4.09E-07	4.82E-03	1.52E-06	6.46E-07
605	490943.5, 3860231.97	2.72E-03	8.57E-07	3.64E-07	2.93E-03	9.25E-07	3.92E-07	4.62E-03	1.46E-06	6.19E-07
606	490993.5, 3860231.97	2.73E-03	8.61E-07	3.65E-07	2.94E-03	9.29E-07	3.94E-07	4.64E-03	1.47E-06	6.22E-07

607	491043.5, 3860231.97	2.73E-03	8.62E-07	3.66E-07	2.95E-03	9.30E-07	3.94E-07	4.65E-03	1.47E-06	6.23E-07
608	491093.5, 3860231.97	2.73E-03	8.63E-07	3.66E-07	2.95E-03	9.31E-07	3.95E-07	4.66E-03	1.47E-06	6.23E-07
609	490943.5, 3860281.97	2.63E-03	8.30E-07	3.52E-07	2.84E-03	8.95E-07	3.80E-07	4.48E-03	1.41E-06	5.99E-07
610	490993.5, 3860281.97	2.64E-03	8.32E-07	3.53E-07	2.84E-03	8.98E-07	3.81E-07	4.49E-03	1.42E-06	6.01E-07
611	491043.5, 3860281.97	2.64E-03	8.33E-07	3.54E-07	2.85E-03	8.99E-07	3.81E-07	4.50E-03	1.42E-06	6.02E-07
612	491093.5, 3860281.97	2.64E-03	8.35E-07	3.54E-07	2.85E-03	9.00E-07	3.82E-07	4.50E-03	1.42E-06	6.03E-07
613	490943.5, 3860331.97	2.55E-03	8.04E-07	3.41E-07	2.75E-03	8.68E-07	3.68E-07	4.34E-03	1.37E-06	5.81E-07
614	490993.5, 3860331.97	2.55E-03	8.05E-07	3.41E-07	2.75E-03	8.68E-07	3.68E-07	4.34E-03	1.37E-06	5.81E-07
615	491043.5, 3860331.97	2.55E-03	8.05E-07	3.42E-07	2.75E-03	8.69E-07	3.69E-07	4.35E-03	1.37E-06	5.82E-07
616	491093.5, 3860331.97	2.56E-03	8.07E-07	3.42E-07	2.76E-03	8.70E-07	3.69E-07	4.35E-03	1.37E-06	5.83E-07
617	490086.72, 3859935.12	3.32E-03	1.05E-06	4.44E-07	3.58E-03	1.13E-06	4.79E-07	5.63E-03	1.78E-06	7.54E-07
618	490136.72, 3859935.12	3.30E-03	1.04E-06	4.42E-07	3.56E-03	1.12E-06	4.77E-07	5.61E-03	1.77E-06	7.52E-07
619	490186.72, 3859935.12	3.30E-03	1.04E-06	4.41E-07	3.55E-03	1.12E-06	4.76E-07	5.60E-03	1.77E-06	7.50E-07
620	490236.72, 3859935.12	3.29E-03	1.04E-06	4.41E-07	3.55E-03	1.12E-06	4.75E-07	5.59E-03	1.76E-06	7.49E-07
621	490286.72, 3859935.12	3.29E-03	1.04E-06	4.40E-07	3.54E-03	1.12E-06	4.75E-07	5.58E-03	1.76E-06	7.48E-07
622	490336.72, 3859935.12	3.29E-03	1.04E-06	4.40E-07	3.54E-03	1.12E-06	4.75E-07	5.58E-03	1.76E-06	7.48E-07
623	490386.72, 3859935.12	3.29E-03	1.04E-06	4.41E-07	3.55E-03	1.12E-06	4.75E-07	5.59E-03	1.76E-06	7.48E-07
624	490436.72, 3859935.12	3.30E-03	1.04E-06	4.41E-07	3.55E-03	1.12E-06	4.76E-07	5.60E-03	1.77E-06	7.50E-07
625	490486.72, 3859935.12	3.30E-03	1.04E-06	4.42E-07	3.56E-03	1.12E-06	4.77E-07	5.61E-03	1.77E-06	7.51E-07
626	490536.72, 3859935.12	3.32E-03	1.05E-06	4.45E-07	3.58E-03	1.13E-06	4.80E-07	5.64E-03	1.78E-06	7.56E-07
627	490586.72, 3859935.12	3.34E-03	1.05E-06	4.48E-07	3.60E-03	1.14E-06	4.83E-07	5.68E-03	1.79E-06	7.60E-07
628	490636.72, 3859935.12	3.36E-03	1.06E-06	4.50E-07	3.62E-03	1.14E-06	4.85E-07	5.70E-03	1.80E-06	7.64E-07
629	490686.72, 3859935.12	3.38E-03	1.07E-06	4.53E-07	3.65E-03	1.15E-06	4.88E-07	5.75E-03	1.81E-06	7.70E-07
630	490736.72, 3859935.12	3.40E-03	1.07E-06	4.55E-07	3.67E-03	1.16E-06	4.91E-07	5.78E-03	1.82E-06	7.74E-07
631	490086.72, 3859985.12	3.22E-03	1.02E-06	4.32E-07	3.48E-03	1.10E-06	4.66E-07	5.48E-03	1.73E-06	7.34E-07
632	490136.72, 3859985.12	3.21E-03	1.01E-06	4.30E-07	3.46E-03	1.09E-06	4.63E-07	5.45E-03	1.72E-06	7.30E-07
633	490186.72, 3859985.12	3.20E-03	1.01E-06	4.28E-07	3.45E-03	1.09E-06	4.62E-07	5.43E-03	1.72E-06	7.28E-07
634	490236.72, 3859985.12	3.19E-03	1.01E-06	4.27E-07	3.44E-03	1.09E-06	4.61E-07	5.42E-03	1.71E-06	7.26E-07
635	490286.72, 3859985.12	3.18E-03	1.00E-06	4.26E-07	3.43E-03	1.08E-06	4.60E-07	5.41E-03	1.71E-06	7.25E-07
636	490336.72, 3859985.12	3.18E-03	1.00E-06	4.26E-07	3.43E-03	1.08E-06	4.59E-07	5.40E-03	1.71E-06	7.23E-07
637	490386.72, 3859985.12	3.17E-03	1.00E-06	4.25E-07	3.42E-03	1.08E-06	4.58E-07	5.39E-03	1.70E-06	7.22E-07
638	490436.72, 3859985.12	3.17E-03	1.00E-06	4.25E-07	3.42E-03	1.08E-06	4.58E-07	5.40E-03	1.70E-06	7.22E-07
639	490486.72, 3859985.12	3.18E-03	1.00E-06	4.26E-07	3.43E-03	1.08E-06	4.59E-07	5.40E-03	1.71E-06	7.24E-07
640	490536.72, 3859985.12	3.19E-03	1.01E-06	4.27E-07	3.44E-03	1.09E-06	4.61E-07	5.42E-03	1.71E-06	7.26E-07
641	490586.72, 3859985.12	3.21E-03	1.01E-06	4.29E-07	3.46E-03	1.09E-06	4.63E-07	5.45E-03	1.72E-06	7.29E-07
642	490636.72, 3859985.12	3.22E-03	1.02E-06	4.32E-07	3.48E-03	1.10E-06	4.65E-07	5.48E-03	1.73E-06	7.34E-07
643	490686.72, 3859985.12	3.25E-03	1.02E-06	4.35E-07	3.50E-03	1.11E-06	4.69E-07	5.52E-03	1.74E-06	7.39E-07
644	490736.72, 3859985.12	3.26E-03	1.03E-06	4.37E-07	3.52E-03	1.11E-06	4.71E-07	5.54E-03	1.75E-06	7.42E-07
645	490786.72, 3859985.12	3.27E-03	1.03E-06	4.38E-07	3.53E-03	1.11E-06	4.73E-07	5.57E-03	1.76E-06	7.45E-07
646	490086.72, 3860035.12	3.14E-03	9.92E-07	4.21E-07	3.39E-03	1.07E-06	4.54E-07	5.34E-03	1.69E-06	7.15E-07
647	490136.72, 3860035.12	3.12E-03	9.86E-07	4.18E-07	3.37E-03	1.06E-06	4.51E-07	5.31E-03	1.68E-06	7.11E-07
648	490186.72, 3860035.12	3.11E-03	9.81E-07	4.16E-07	3.35E-03	1.06E-06	4.49E-07	5.29E-03	1.67E-06	7.08E-07
649	490236.72, 3860035.12	3.10E-03	9.77E-07	4.15E-07	3.34E-03	1.05E-06	4.47E-07	5.27E-03	1.66E-06	7.05E-07
650	490286.72, 3860035.12	3.09E-03	9.74E-07	4.13E-07	3.33E-03	1.05E-06	4.46E-07	5.25E-03	1.66E-06	7.03E-07
651	490336.72, 3860035.12	3.08E-03	9.72E-07	4.13E-07	3.32E-03	1.05E-06	4.45E-07	5.24E-03	1.65E-06	7.01E-07
652	490386.72, 3860035.12	3.07E-03	9.70E-07	4.11E-07	3.31E-03	1.05E-06	4.44E-07	5.22E-03	1.65E-06	6.99E-07
653	490436.72, 3860035.12	3.07E-03	9.68E-07	4.11E-07	3.31E-03	1.04E-06	4.43E-07	5.22E-03	1.65E-06	6.99E-07
654	490486.72, 3860035.12	3.07E-03	9.68E-07	4.11E-07	3.31E-03	1.04E-06	4.43E-07	5.22E-03	1.65E-06	6.99E-07
655	490536.72, 3860035.12	3.07E-03	9.70E-07	4.12E-07	3.31E-03	1.05E-06	4.44E-07	5.23E-03	1.65E-06	7.00E-07
656	490586.72, 3860035.12	3.08E-03	9.73E-07	4.13E-07	3.32E-03	1.05E-06	4.45E-07	5.24E-03	1.65E-06	7.02E-07
657	490636.72, 3860035.12	3.09E-03	9.75E-07	4.14E-07	3.33E-03	1.05E-06	4.46E-07	5.25E-03	1.66E-06	7.03E-07
658	490686.72, 3860035.12	3.10E-03	9.79E-07	4.16E-07	3.35E-03	1.06E-06	4.48E-07	5.28E-03	1.67E-06	7.06E-07
659	490736.72, 3860035.12	3.13E-03	9.87E-07	4.19E-07	3.37E-03	1.06E-06	4.52E-07	5.32E-03	1.68E-06	7.12E-07
660	490786.72, 3860035.12	3.14E-03	9.91E-07	4.20E-07	3.39E-03	1.07E-06	4.53E-07	5.34E-03	1.69E-06	7.15E-07
661	490836.72, 3860035.12	3.15E-03	9.94E-07	4.22E-07	3.40E-03	1.07E-06	4.55E-07	5.36E-03	1.69E-06	7.18E-07
662	490086.72, 3860085.12	3.08E-03	9.71E-07	4.12E-07	3.32E-03	1.05E-06	4.44E-07	5.23E-03	1.65E-06	7.01E-07
663	490136.72, 3860085.12	3.05E-03	9.62E-07	4.08E-07	3.29E-03	1.04E-06	4.40E-07	5.18E-03	1.64E-06	6.94E-07
664	490186.72, 3860085.12	3.03E-03	9.57E-07	4.06E-07	3.27E-03	1.03E-06	4.38E-07	5.16E-03	1.63E-06	6.91E-07
665	490236.72, 3860085.12	3.02E-03	9.52E-07	4.04E-07	3.25E-03	1.03E-06	4.36E-07	5.13E-03	1.62E-06	6.87E-07
666	490286.72, 3860085.12	3.00E-03	9.48E-07	4.02E-07	3.24E-03	1.02E-06	4.34E-07	5.11E-03	1.61E-06	6.84E-07
667	490336.72, 3860085.12	2.99E-03	9.44E-07	4.00E-07	3.22E-03	1.02E-06	4.32E-07	5.09E-03	1.61E-06	6.81E-07

668	490386.72, 3860085.12	2.98E-03	9.41E-07	3.99E-07	3.21E-03	1.01E-06	4.30E-07	5.07E-03	1.60E-06	6.79E-07
669	490436.72, 3860085.12	2.97E-03	9.38E-07	3.98E-07	3.21E-03	1.01E-06	4.29E-07	5.06E-03	1.60E-06	6.77E-07
670	490486.72, 3860085.12	2.97E-03	9.37E-07	3.97E-07	3.20E-03	1.01E-06	4.29E-07	5.05E-03	1.59E-06	6.76E-07
671	490536.72, 3860085.12	2.97E-03	9.37E-07	3.98E-07	3.20E-03	1.01E-06	4.29E-07	5.05E-03	1.59E-06	6.76E-07
672	490586.72, 3860085.12	2.97E-03	9.38E-07	3.98E-07	3.21E-03	1.01E-06	4.29E-07	5.06E-03	1.60E-06	6.77E-07
673	490636.72, 3860085.12	2.98E-03	9.39E-07	3.99E-07	3.21E-03	1.01E-06	4.30E-07	5.06E-03	1.60E-06	6.78E-07
674	490686.72, 3860085.12	2.99E-03	9.42E-07	4.00E-07	3.22E-03	1.02E-06	4.31E-07	5.08E-03	1.60E-06	6.80E-07
675	490736.72, 3860085.12	3.00E-03	9.47E-07	4.02E-07	3.23E-03	1.02E-06	4.33E-07	5.10E-03	1.61E-06	6.83E-07
676	490786.72, 3860085.12	3.01E-03	9.51E-07	4.04E-07	3.25E-03	1.03E-06	4.35E-07	5.13E-03	1.62E-06	6.87E-07
677	490836.72, 3860085.12	3.02E-03	9.54E-07	4.05E-07	3.26E-03	1.03E-06	4.37E-07	5.14E-03	1.62E-06	6.89E-07
678	490086.72, 3860135.12	2.99E-03	9.45E-07	4.01E-07	3.23E-03	1.02E-06	4.32E-07	5.09E-03	1.61E-06	6.82E-07
679	490136.72, 3860135.12	2.98E-03	9.39E-07	3.98E-07	3.21E-03	1.01E-06	4.30E-07	5.06E-03	1.60E-06	6.78E-07
680	490186.72, 3860135.12	2.96E-03	9.34E-07	3.96E-07	3.19E-03	1.01E-06	4.27E-07	5.03E-03	1.59E-06	6.74E-07
681	490236.72, 3860135.12	2.94E-03	9.28E-07	3.94E-07	3.17E-03	1.00E-06	4.25E-07	5.00E-03	1.58E-06	6.70E-07
682	490286.72, 3860135.12	2.93E-03	9.23E-07	3.92E-07	3.15E-03	9.96E-07	4.22E-07	4.98E-03	1.57E-06	6.66E-07
683	490336.72, 3860135.12	2.91E-03	9.19E-07	3.90E-07	3.14E-03	9.91E-07	4.20E-07	4.95E-03	1.56E-06	6.63E-07
684	490386.72, 3860135.12	2.90E-03	9.15E-07	3.88E-07	3.13E-03	9.87E-07	4.19E-07	4.93E-03	1.56E-06	6.60E-07
685	490436.72, 3860135.12	2.89E-03	9.11E-07	3.87E-07	3.11E-03	9.83E-07	4.17E-07	4.91E-03	1.55E-06	6.58E-07
686	490486.72, 3860135.12	2.88E-03	9.09E-07	3.86E-07	3.11E-03	9.80E-07	4.16E-07	4.90E-03	1.55E-06	6.56E-07
687	490536.72, 3860135.12	2.88E-03	9.08E-07	3.85E-07	3.10E-03	9.79E-07	4.15E-07	4.89E-03	1.54E-06	6.55E-07
688	490586.72, 3860135.12	2.88E-03	9.07E-07	3.85E-07	3.10E-03	9.79E-07	4.15E-07	4.89E-03	1.54E-06	6.55E-07
689	490636.72, 3860135.12	2.88E-03	9.08E-07	3.85E-07	3.10E-03	9.79E-07	4.15E-07	4.89E-03	1.54E-06	6.55E-07
690	490686.72, 3860135.12	2.88E-03	9.08E-07	3.85E-07	3.10E-03	9.80E-07	4.16E-07	4.90E-03	1.55E-06	6.56E-07
691	490736.72, 3860135.12	2.89E-03	9.11E-07	3.86E-07	3.11E-03	9.82E-07	4.17E-07	4.91E-03	1.55E-06	6.57E-07
692	490786.72, 3860135.12	2.90E-03	9.14E-07	3.88E-07	3.12E-03	9.86E-07	4.18E-07	4.93E-03	1.56E-06	6.60E-07
693	490836.72, 3860135.12	2.90E-03	9.17E-07	3.89E-07	3.13E-03	9.89E-07	4.20E-07	4.94E-03	1.56E-06	6.62E-07
694	490086.72, 3860185.12	2.92E-03	9.23E-07	3.91E-07	3.15E-03	9.95E-07	4.22E-07	4.97E-03	1.57E-06	6.66E-07
695	490136.72, 3860185.12	2.91E-03	9.18E-07	3.89E-07	3.14E-03	9.90E-07	4.20E-07	4.95E-03	1.56E-06	6.63E-07
696	490186.72, 3860185.12	2.89E-03	9.13E-07	3.87E-07	3.12E-03	9.84E-07	4.18E-07	4.92E-03	1.55E-06	6.59E-07
697	490236.72, 3860185.12	2.87E-03	9.07E-07	3.85E-07	3.10E-03	9.78E-07	4.15E-07	4.89E-03	1.54E-06	6.55E-07
698	490286.72, 3860185.12	2.86E-03	9.01E-07	3.82E-07	3.08E-03	9.72E-07	4.12E-07	4.86E-03	1.53E-06	6.51E-07
699	490336.72, 3860185.12	2.84E-03	8.96E-07	3.80E-07	3.06E-03	9.66E-07	4.10E-07	4.83E-03	1.52E-06	6.47E-07
700	490386.72, 3860185.12	2.82E-03	8.91E-07	3.78E-07	3.05E-03	9.61E-07	4.08E-07	4.81E-03	1.52E-06	6.44E-07
701	490436.72, 3860185.12	2.81E-03	8.87E-07	3.76E-07	3.03E-03	9.57E-07	4.06E-07	4.78E-03	1.51E-06	6.41E-07
702	490486.72, 3860185.12	2.80E-03	8.84E-07	3.75E-07	3.02E-03	9.53E-07	4.04E-07	4.77E-03	1.50E-06	6.38E-07
703	490536.72, 3860185.12	2.79E-03	8.82E-07	3.74E-07	3.01E-03	9.51E-07	4.03E-07	4.75E-03	1.50E-06	6.37E-07
704	490586.72, 3860185.12	2.79E-03	8.81E-07	3.74E-07	3.01E-03	9.50E-07	4.03E-07	4.75E-03	1.50E-06	6.36E-07
705	490636.72, 3860185.12	2.79E-03	8.79E-07	3.73E-07	3.00E-03	9.48E-07	4.02E-07	4.74E-03	1.50E-06	6.35E-07
706	490686.72, 3860185.12	2.79E-03	8.80E-07	3.73E-07	3.01E-03	9.49E-07	4.02E-07	4.74E-03	1.50E-06	6.35E-07
707	490736.72, 3860185.12	2.79E-03	8.79E-07	3.73E-07	3.01E-03	9.48E-07	4.02E-07	4.74E-03	1.50E-06	6.35E-07
708	490786.72, 3860185.12	2.79E-03	8.81E-07	3.74E-07	3.01E-03	9.50E-07	4.03E-07	4.75E-03	1.50E-06	6.36E-07
709	490836.72, 3860185.12	2.80E-03	8.83E-07	3.75E-07	3.02E-03	9.53E-07	4.04E-07	4.76E-03	1.50E-06	6.38E-07
710	490086.72, 3860235.12	2.86E-03	9.03E-07	3.83E-07	3.08E-03	9.74E-07	4.13E-07	4.87E-03	1.54E-06	6.52E-07
711	490136.72, 3860235.12	2.84E-03	8.98E-07	3.81E-07	3.07E-03	9.68E-07	4.11E-07	4.84E-03	1.53E-06	6.48E-07
712	490186.72, 3860235.12	2.83E-03	8.92E-07	3.79E-07	3.05E-03	9.63E-07	4.08E-07	4.81E-03	1.52E-06	6.44E-07
713	490236.72, 3860235.12	2.81E-03	8.87E-07	3.76E-07	3.03E-03	9.56E-07	4.06E-07	4.78E-03	1.51E-06	6.40E-07
714	490286.72, 3860235.12	2.79E-03	8.81E-07	3.74E-07	3.01E-03	9.50E-07	4.03E-07	4.75E-03	1.50E-06	6.36E-07
715	490336.72, 3860235.12	2.77E-03	8.75E-07	3.71E-07	2.99E-03	9.44E-07	4.01E-07	4.72E-03	1.49E-06	6.32E-07
716	490386.72, 3860235.12	2.76E-03	8.70E-07	3.69E-07	2.97E-03	9.39E-07	3.98E-07	4.69E-03	1.48E-06	6.29E-07
717	490436.72, 3860235.12	2.74E-03	8.66E-07	3.67E-07	2.96E-03	9.34E-07	3.96E-07	4.67E-03	1.47E-06	6.25E-07
718	490486.72, 3860235.12	2.73E-03	8.62E-07	3.66E-07	2.94E-03	9.29E-07	3.94E-07	4.65E-03	1.47E-06	6.22E-07
719	490536.72, 3860235.12	2.72E-03	8.59E-07	3.64E-07	2.93E-03	9.26E-07	3.93E-07	4.63E-03	1.46E-06	6.20E-07
720	490586.72, 3860235.12	2.71E-03	8.56E-07	3.63E-07	2.93E-03	9.24E-07	3.92E-07	4.62E-03	1.46E-06	6.18E-07
721	490636.72, 3860235.12	2.71E-03	8.54E-07	3.63E-07	2.92E-03	9.22E-07	3.91E-07	4.61E-03	1.45E-06	6.17E-07
722	490686.72, 3860235.12	2.70E-03	8.53E-07	3.62E-07	2.92E-03	9.20E-07	3.91E-07	4.60E-03	1.45E-06	6.16E-07
723	490736.72, 3860235.12	2.70E-03	8.53E-07	3.62E-07	2.91E-03	9.20E-07	3.90E-07	4.60E-03	1.45E-06	6.16E-07
724	490786.72, 3860235.12	2.70E-03	8.53E-07	3.62E-07	2.91E-03	9.20E-07	3.90E-07	4.60E-03	1.45E-06	6.16E-07
725	490086.72, 3860285.12	2.80E-03	8.83E-07	3.75E-07	3.02E-03	9.52E-07	4.04E-07	4.76E-03	1.50E-06	6.38E-07
726	490136.72, 3860285.12	2.78E-03	8.79E-07	3.73E-07	3.00E-03	9.48E-07	4.02E-07	4.74E-03	1.50E-06	6.34E-07
727	490186.72, 3860285.12	2.77E-03	8.73E-07	3.70E-07	2.98E-03	9.42E-07	4.00E-07	4.71E-03	1.49E-06	6.31E-07
728	490236.72, 3860285.12	2.75E-03	8.68E-07	3.68E-07	2.97E-03	9.36E-07	3.97E-07	4.68E-03	1.48E-06	6.27E-07

729	490286.72, 3860285.12	2.73E-03	8.62E-07	3.66E-07	2.95E-03	9.30E-07	3.94E-07	4.65E-03	1.47E-06	6.23E-07
730	490336.72, 3860285.12	2.71E-03	8.56E-07	3.63E-07	2.93E-03	9.24E-07	3.92E-07	4.62E-03	1.46E-06	6.19E-07
731	490386.72, 3860285.12	2.70E-03	8.51E-07	3.61E-07	2.91E-03	9.18E-07	3.90E-07	4.59E-03	1.45E-06	6.15E-07
732	490436.72, 3860285.12	2.68E-03	8.46E-07	3.59E-07	2.89E-03	9.13E-07	3.87E-07	4.57E-03	1.44E-06	6.11E-07
733	490486.72, 3860285.12	2.67E-03	8.42E-07	3.57E-07	2.88E-03	9.08E-07	3.85E-07	4.54E-03	1.43E-06	6.08E-07
734	490536.72, 3860285.12	2.65E-03	8.37E-07	3.55E-07	2.86E-03	9.03E-07	3.83E-07	4.52E-03	1.43E-06	6.05E-07
735	490586.72, 3860285.12	2.64E-03	8.34E-07	3.54E-07	2.85E-03	8.99E-07	3.82E-07	4.50E-03	1.42E-06	6.02E-07
736	490636.72, 3860285.12	2.63E-03	8.31E-07	3.53E-07	2.84E-03	8.97E-07	3.80E-07	4.49E-03	1.42E-06	6.01E-07
737	490686.72, 3860285.12	2.63E-03	8.30E-07	3.52E-07	2.84E-03	8.95E-07	3.80E-07	4.48E-03	1.41E-06	6.00E-07
738	490736.72, 3860285.12	2.62E-03	8.28E-07	3.51E-07	2.83E-03	8.94E-07	3.79E-07	4.47E-03	1.41E-06	5.99E-07
739	490786.72, 3860285.12	2.62E-03	8.28E-07	3.51E-07	2.83E-03	8.93E-07	3.79E-07	4.47E-03	1.41E-06	5.98E-07
740	490086.72, 3860335.12	2.74E-03	8.64E-07	3.66E-07	2.95E-03	9.32E-07	3.95E-07	4.66E-03	1.47E-06	6.24E-07
741	490136.72, 3860335.12	2.72E-03	8.60E-07	3.65E-07	2.94E-03	9.28E-07	3.94E-07	4.64E-03	1.46E-06	6.21E-07
742	490186.72, 3860335.12	2.71E-03	8.55E-07	3.63E-07	2.92E-03	9.22E-07	3.91E-07	4.61E-03	1.46E-06	6.18E-07
743	490236.72, 3860335.12	2.69E-03	8.50E-07	3.61E-07	2.91E-03	9.17E-07	3.89E-07	4.59E-03	1.45E-06	6.14E-07
744	490286.72, 3860335.12	2.68E-03	8.45E-07	3.58E-07	2.89E-03	9.11E-07	3.86E-07	4.56E-03	1.44E-06	6.10E-07
745	490336.72, 3860335.12	2.66E-03	8.39E-07	3.56E-07	2.87E-03	9.05E-07	3.84E-07	4.52E-03	1.43E-06	6.06E-07
746	490386.72, 3860335.12	2.64E-03	8.33E-07	3.54E-07	2.85E-03	8.99E-07	3.81E-07	4.50E-03	1.42E-06	6.02E-07
747	490436.72, 3860335.12	2.62E-03	8.28E-07	3.51E-07	2.83E-03	8.93E-07	3.79E-07	4.47E-03	1.41E-06	5.98E-07
748	490486.72, 3860335.12	2.61E-03	8.23E-07	3.49E-07	2.81E-03	8.88E-07	3.77E-07	4.44E-03	1.40E-06	5.95E-07
749	490536.72, 3860335.12	2.59E-03	8.19E-07	3.47E-07	2.80E-03	8.83E-07	3.75E-07	4.42E-03	1.39E-06	5.92E-07
750	490586.72, 3860335.12	2.58E-03	8.15E-07	3.46E-07	2.78E-03	8.79E-07	3.73E-07	4.40E-03	1.39E-06	5.89E-07
751	490636.72, 3860335.12	2.57E-03	8.11E-07	3.44E-07	2.77E-03	8.75E-07	3.71E-07	4.38E-03	1.38E-06	5.86E-07
752	490686.72, 3860335.12	2.56E-03	8.09E-07	3.43E-07	2.76E-03	8.72E-07	3.70E-07	4.36E-03	1.38E-06	5.84E-07
753	490736.72, 3860335.12	2.56E-03	8.06E-07	3.42E-07	2.76E-03	8.70E-07	3.69E-07	4.35E-03	1.37E-06	5.83E-07
754	490786.72, 3860335.12	2.55E-03	8.06E-07	3.42E-07	2.75E-03	8.69E-07	3.69E-07	4.35E-03	1.37E-06	5.82E-07
755	490086.72, 3860385.12	2.68E-03	8.45E-07	3.59E-07	2.89E-03	9.11E-07	3.87E-07	4.56E-03	1.44E-06	6.10E-07
756	490136.72, 3860385.12	2.67E-03	8.42E-07	3.57E-07	2.88E-03	9.08E-07	3.85E-07	4.54E-03	1.43E-06	6.08E-07
757	490186.72, 3860385.12	2.65E-03	8.37E-07	3.55E-07	2.86E-03	9.03E-07	3.83E-07	4.52E-03	1.43E-06	6.05E-07
758	490236.72, 3860385.12	2.64E-03	8.33E-07	3.53E-07	2.85E-03	8.98E-07	3.81E-07	4.49E-03	1.42E-06	6.02E-07
759	490286.72, 3860385.12	2.62E-03	8.27E-07	3.51E-07	2.83E-03	8.92E-07	3.79E-07	4.46E-03	1.41E-06	5.98E-07
760	490336.72, 3860385.12	2.60E-03	8.22E-07	3.49E-07	2.81E-03	8.87E-07	3.76E-07	4.44E-03	1.40E-06	5.94E-07
761	490386.72, 3860385.12	2.59E-03	8.16E-07	3.46E-07	2.79E-03	8.81E-07	3.74E-07	4.41E-03	1.39E-06	5.90E-07
762	490436.72, 3860385.12	2.57E-03	8.11E-07	3.44E-07	2.77E-03	8.75E-07	3.71E-07	4.38E-03	1.38E-06	5.86E-07
763	490486.72, 3860385.12	2.55E-03	8.06E-07	3.42E-07	2.76E-03	8.70E-07	3.69E-07	4.35E-03	1.37E-06	5.83E-07
764	490536.72, 3860385.12	2.54E-03	8.02E-07	3.40E-07	2.74E-03	8.65E-07	3.67E-07	4.33E-03	1.37E-06	5.79E-07
765	490586.72, 3860385.12	2.53E-03	7.97E-07	3.38E-07	2.72E-03	8.60E-07	3.65E-07	4.30E-03	1.36E-06	5.76E-07
766	490636.72, 3860385.12	2.51E-03	7.93E-07	3.36E-07	2.71E-03	8.55E-07	3.63E-07	4.28E-03	1.35E-06	5.73E-07
767	490686.72, 3860385.12	2.50E-03	7.90E-07	3.35E-07	2.70E-03	8.52E-07	3.61E-07	4.26E-03	1.35E-06	5.71E-07
768	490736.72, 3860385.12	2.49E-03	7.87E-07	3.34E-07	2.69E-03	8.49E-07	3.60E-07	4.25E-03	1.34E-06	5.69E-07
769	490786.72, 3860385.12	2.49E-03	7.84E-07	3.33E-07	2.68E-03	8.46E-07	3.59E-07	4.23E-03	1.34E-06	5.67E-07
770	490136.72, 3860435.12	2.61E-03	8.23E-07	3.49E-07	2.81E-03	8.88E-07	3.77E-07	4.44E-03	1.40E-06	5.95E-07
771	490186.72, 3860435.12	2.60E-03	8.20E-07	3.48E-07	2.80E-03	8.84E-07	3.75E-07	4.42E-03	1.40E-06	5.93E-07
772	490236.72, 3860435.12	2.58E-03	8.16E-07	3.46E-07	2.79E-03	8.80E-07	3.73E-07	4.40E-03	1.39E-06	5.89E-07
773	490286.72, 3860435.12	2.57E-03	8.11E-07	3.44E-07	2.77E-03	8.75E-07	3.71E-07	4.38E-03	1.38E-06	5.86E-07
774	490336.72, 3860435.12	2.55E-03	8.05E-07	3.42E-07	2.75E-03	8.69E-07	3.69E-07	4.35E-03	1.37E-06	5.82E-07
775	490386.72, 3860435.12	2.54E-03	8.00E-07	3.40E-07	2.74E-03	8.63E-07	3.66E-07	4.32E-03	1.36E-06	5.78E-07
776	490436.72, 3860435.12	2.52E-03	7.95E-07	3.37E-07	2.72E-03	8.58E-07	3.64E-07	4.29E-03	1.35E-06	5.75E-07
777	490486.72, 3860435.12	2.50E-03	7.90E-07	3.35E-07	2.70E-03	8.52E-07	3.62E-07	4.26E-03	1.35E-06	5.71E-07
778	490536.72, 3860435.12	2.49E-03	7.85E-07	3.33E-07	2.68E-03	8.47E-07	3.59E-07	4.24E-03	1.34E-06	5.68E-07
779	490586.72, 3860435.12	2.47E-03	7.80E-07	3.31E-07	2.67E-03	8.42E-07	3.57E-07	4.21E-03	1.33E-06	5.64E-07
780	490636.72, 3860435.12	2.46E-03	7.76E-07	3.29E-07	2.65E-03	8.37E-07	3.55E-07	4.19E-03	1.32E-06	5.61E-07
781	490686.72, 3860435.12	2.45E-03	7.72E-07	3.28E-07	2.64E-03	8.33E-07	3.53E-07	4.17E-03	1.32E-06	5.58E-07
782	490736.72, 3860435.12	2.44E-03	7.69E-07	3.26E-07	2.63E-03	8.30E-07	3.52E-07	4.15E-03	1.31E-06	5.56E-07
783	490786.72, 3860435.12	2.43E-03	7.66E-07	3.25E-07	2.62E-03	8.26E-07	3.51E-07	4.14E-03	1.31E-06	5.54E-07
784	490136.72, 3860485.12	2.56E-03	8.06E-07	3.42E-07	2.76E-03	8.70E-07	3.69E-07	4.35E-03	1.37E-06	5.83E-07
785	490186.72, 3860485.12	2.54E-03	8.03E-07	3.41E-07	2.74E-03	8.66E-07	3.68E-07	4.33E-03	1.37E-06	5.80E-07
786	490236.72, 3860485.12	2.53E-03	7.99E-07	3.39E-07	2.73E-03	8.62E-07	3.66E-07	4.31E-03	1.36E-06	5.77E-07
787	490286.72, 3860485.12	2.52E-03	7.95E-07	3.37E-07	2.72E-03	8.57E-07	3.64E-07	4.29E-03	1.35E-06	5.75E-07
788	490336.72, 3860485.12	2.50E-03	7.90E-07	3.35E-07	2.70E-03	8.52E-07	3.61E-07	4.26E-03	1.35E-06	5.71E-07
789	490386.72, 3860485.12	2.49E-03	7.85E-07	3.33E-07	2.68E-03	8.47E-07	3.59E-07	4.24E-03	1.34E-06	5.68E-07

790	490436.72, 3860485.12	2.47E-03	7.81E-07	3.31E-07	2.67E-03	8.42E-07	3.57E-07	4.21E-03	1.33E-06	5.64E-07
791	490486.72, 3860485.12	2.46E-03	7.75E-07	3.29E-07	2.65E-03	8.36E-07	3.55E-07	4.19E-03	1.32E-06	5.60E-07
792	490536.72, 3860485.12	2.44E-03	7.70E-07	3.27E-07	2.63E-03	8.30E-07	3.52E-07	4.16E-03	1.31E-06	5.57E-07
793	490586.72, 3860485.12	2.42E-03	7.65E-07	3.25E-07	2.61E-03	8.25E-07	3.50E-07	4.13E-03	1.30E-06	5.53E-07
794	490636.72, 3860485.12	2.41E-03	7.61E-07	3.23E-07	2.60E-03	8.20E-07	3.48E-07	4.11E-03	1.30E-06	5.50E-07
795	490686.72, 3860485.12	2.40E-03	7.56E-07	3.21E-07	2.58E-03	8.15E-07	3.46E-07	4.08E-03	1.29E-06	5.47E-07
796	490736.72, 3860485.12	2.38E-03	7.52E-07	3.19E-07	2.57E-03	8.12E-07	3.44E-07	4.06E-03	1.28E-06	5.44E-07
797	490786.72, 3860485.12	2.37E-03	7.49E-07	3.18E-07	2.56E-03	8.08E-07	3.43E-07	4.04E-03	1.28E-06	5.42E-07
798	490136.72, 3860535.12	2.50E-03	7.89E-07	3.35E-07	2.70E-03	8.51E-07	3.61E-07	4.26E-03	1.34E-06	5.70E-07
799	490186.72, 3860535.12	2.50E-03	7.88E-07	3.34E-07	2.69E-03	8.50E-07	3.61E-07	4.25E-03	1.34E-06	5.69E-07
800	490236.72, 3860535.12	2.48E-03	7.83E-07	3.32E-07	2.68E-03	8.44E-07	3.58E-07	4.23E-03	1.33E-06	5.66E-07
801	490286.72, 3860535.12	2.47E-03	7.79E-07	3.30E-07	2.66E-03	8.40E-07	3.56E-07	4.20E-03	1.33E-06	5.63E-07
802	490336.72, 3860535.12	2.45E-03	7.75E-07	3.29E-07	2.65E-03	8.36E-07	3.55E-07	4.18E-03	1.32E-06	5.60E-07
803	490386.72, 3860535.12	2.44E-03	7.71E-07	3.27E-07	2.63E-03	8.31E-07	3.53E-07	4.16E-03	1.31E-06	5.57E-07
804	490436.72, 3860535.12	2.43E-03	7.67E-07	3.25E-07	2.62E-03	8.27E-07	3.51E-07	4.14E-03	1.31E-06	5.54E-07
805	490486.72, 3860535.12	2.41E-03	7.62E-07	3.23E-07	2.60E-03	8.22E-07	3.49E-07	4.11E-03	1.30E-06	5.51E-07
806	490536.72, 3860535.12	2.40E-03	7.58E-07	3.22E-07	2.59E-03	8.18E-07	3.47E-07	4.10E-03	1.29E-06	5.48E-07
807	490586.72, 3860535.12	2.38E-03	7.51E-07	3.19E-07	2.57E-03	8.10E-07	3.44E-07	4.06E-03	1.28E-06	5.43E-07
808	490636.72, 3860535.12	2.36E-03	7.46E-07	3.17E-07	2.55E-03	8.05E-07	3.41E-07	4.03E-03	1.27E-06	5.39E-07
809	490686.72, 3860535.12	2.35E-03	7.42E-07	3.15E-07	2.53E-03	8.00E-07	3.39E-07	4.00E-03	1.26E-06	5.36E-07
810	490736.72, 3860535.12	2.34E-03	7.37E-07	3.13E-07	2.52E-03	7.95E-07	3.37E-07	3.98E-03	1.26E-06	5.33E-07
811	490786.72, 3860535.12	2.32E-03	7.34E-07	3.11E-07	2.51E-03	7.91E-07	3.36E-07	3.96E-03	1.25E-06	5.31E-07
812	490136.72, 3860585.12	2.45E-03	7.73E-07	3.28E-07	2.64E-03	8.34E-07	3.54E-07	4.17E-03	1.32E-06	5.59E-07
813	490186.72, 3860585.12	2.43E-03	7.68E-07	3.26E-07	2.62E-03	8.28E-07	3.51E-07	4.14E-03	1.31E-06	5.55E-07
814	490236.72, 3860585.12	2.43E-03	7.66E-07	3.25E-07	2.62E-03	8.26E-07	3.51E-07	4.13E-03	1.30E-06	5.54E-07
815	490286.72, 3860585.12	2.42E-03	7.63E-07	3.24E-07	2.61E-03	8.23E-07	3.49E-07	4.12E-03	1.30E-06	5.52E-07
816	490336.72, 3860585.12	2.41E-03	7.60E-07	3.22E-07	2.60E-03	8.20E-07	3.48E-07	4.10E-03	1.29E-06	5.49E-07
817	490386.72, 3860585.12	2.39E-03	7.56E-07	3.21E-07	2.58E-03	8.15E-07	3.46E-07	4.08E-03	1.29E-06	5.46E-07
818	490436.72, 3860585.12	2.39E-03	7.53E-07	3.20E-07	2.58E-03	8.13E-07	3.45E-07	4.07E-03	1.28E-06	5.45E-07
819	490486.72, 3860585.12	2.38E-03	7.50E-07	3.18E-07	2.56E-03	8.10E-07	3.43E-07	4.05E-03	1.28E-06	5.43E-07
820	490536.72, 3860585.12	2.36E-03	7.45E-07	3.16E-07	2.55E-03	8.04E-07	3.41E-07	4.02E-03	1.27E-06	5.39E-07
821	490586.72, 3860585.12	2.34E-03	7.37E-07	3.13E-07	2.52E-03	7.95E-07	3.37E-07	3.98E-03	1.26E-06	5.33E-07
822	490636.72, 3860585.12	2.32E-03	7.32E-07	3.11E-07	2.50E-03	7.90E-07	3.35E-07	3.96E-03	1.25E-06	5.30E-07
823	490686.72, 3860585.12	2.31E-03	7.28E-07	3.09E-07	2.49E-03	7.85E-07	3.33E-07	3.93E-03	1.24E-06	5.26E-07
824	490736.72, 3860585.12	2.29E-03	7.23E-07	3.07E-07	2.47E-03	7.80E-07	3.31E-07	3.91E-03	1.23E-06	5.23E-07
825	490786.72, 3860585.12	2.28E-03	7.19E-07	3.05E-07	2.46E-03	7.76E-07	3.29E-07	3.88E-03	1.23E-06	5.20E-07
826	490136.72, 3860635.12	2.40E-03	7.59E-07	3.22E-07	2.59E-03	8.19E-07	3.47E-07	4.10E-03	1.29E-06	5.49E-07
827	490186.72, 3860635.12	2.39E-03	7.55E-07	3.20E-07	2.58E-03	8.14E-07	3.45E-07	4.07E-03	1.29E-06	5.46E-07
828	490236.72, 3860635.12	2.38E-03	7.50E-07	3.18E-07	2.56E-03	8.09E-07	3.43E-07	4.05E-03	1.28E-06	5.42E-07
829	490286.72, 3860635.12	2.37E-03	7.47E-07	3.17E-07	2.55E-03	8.06E-07	3.42E-07	4.04E-03	1.27E-06	5.40E-07
830	490336.72, 3860635.12	2.36E-03	7.45E-07	3.16E-07	2.55E-03	8.03E-07	3.41E-07	4.02E-03	1.27E-06	5.38E-07
831	490386.72, 3860635.12	2.35E-03	7.41E-07	3.15E-07	2.53E-03	8.00E-07	3.39E-07	4.00E-03	1.26E-06	5.36E-07
832	490436.72, 3860635.12	2.34E-03	7.38E-07	3.13E-07	2.52E-03	7.96E-07	3.38E-07	3.98E-03	1.26E-06	5.33E-07
833	490486.72, 3860635.12	2.32E-03	7.34E-07	3.11E-07	2.51E-03	7.91E-07	3.36E-07	3.96E-03	1.25E-06	5.31E-07
834	490536.72, 3860635.12	2.31E-03	7.30E-07	3.10E-07	2.50E-03	7.88E-07	3.34E-07	3.94E-03	1.24E-06	5.28E-07
835	490586.72, 3860635.12	2.30E-03	7.25E-07	3.07E-07	2.48E-03	7.82E-07	3.32E-07	3.91E-03	1.24E-06	5.24E-07
836	490636.72, 3860635.12	2.28E-03	7.20E-07	3.06E-07	2.46E-03	7.77E-07	3.30E-07	3.89E-03	1.23E-06	5.21E-07
837	490686.72, 3860635.12	2.27E-03	7.15E-07	3.03E-07	2.44E-03	7.71E-07	3.27E-07	3.86E-03	1.22E-06	5.17E-07
838	490736.72, 3860635.12	2.25E-03	7.10E-07	3.01E-07	2.43E-03	7.66E-07	3.25E-07	3.84E-03	1.21E-06	5.14E-07
839	490786.72, 3860635.12	2.24E-03	7.06E-07	2.99E-07	2.41E-03	7.61E-07	3.23E-07	3.81E-03	1.20E-06	5.11E-07
840	490136.72, 3860685.12	2.35E-03	7.41E-07	3.14E-07	2.53E-03	7.99E-07	3.39E-07	4.00E-03	1.26E-06	5.36E-07
841	490186.72, 3860685.12	2.35E-03	7.42E-07	3.15E-07	2.54E-03	8.01E-07	3.40E-07	4.01E-03	1.27E-06	5.37E-07
842	490236.72, 3860685.12	2.34E-03	7.37E-07	3.13E-07	2.52E-03	7.95E-07	3.38E-07	3.98E-03	1.26E-06	5.33E-07
843	490286.72, 3860685.12	2.32E-03	7.31E-07	3.10E-07	2.50E-03	7.89E-07	3.35E-07	3.95E-03	1.25E-06	5.29E-07
844	490336.72, 3860685.12	2.31E-03	7.30E-07	3.10E-07	2.50E-03	7.88E-07	3.34E-07	3.94E-03	1.24E-06	5.28E-07
845	490386.72, 3860685.12	2.30E-03	7.27E-07	3.09E-07	2.49E-03	7.85E-07	3.33E-07	3.93E-03	1.24E-06	5.26E-07
846	490436.72, 3860685.12	2.29E-03	7.23E-07	3.07E-07	2.47E-03	7.80E-07	3.31E-07	3.91E-03	1.23E-06	5.23E-07
847	490486.72, 3860685.12	2.28E-03	7.19E-07	3.05E-07	2.46E-03	7.76E-07	3.29E-07	3.88E-03	1.23E-06	5.20E-07
848	490536.72, 3860685.12	2.27E-03	7.15E-07	3.04E-07	2.45E-03	7.72E-07	3.27E-07	3.86E-03	1.22E-06	5.17E-07
849	490586.72, 3860685.12	2.25E-03	7.11E-07	3.02E-07	2.43E-03	7.67E-07	3.26E-07	3.84E-03	1.21E-06	5.15E-07
850	490636.72, 3860685.12	2.24E-03	7.07E-07	3.00E-07	2.42E-03	7.63E-07	3.24E-07	3.82E-03	1.21E-06	5.12E-07

851	490686.72, 3860685.12	2.23E-03	7.03E-07	2.98E-07	2.40E-03	7.59E-07	3.22E-07	3.80E-03	1.20E-06	5.09E-07
852	490736.72, 3860685.12	2.21E-03	6.99E-07	2.96E-07	2.39E-03	7.54E-07	3.20E-07	3.77E-03	1.19E-06	5.05E-07
853	490786.72, 3860685.12	2.20E-03	6.95E-07	2.95E-07	2.38E-03	7.50E-07	3.18E-07	3.75E-03	1.18E-06	5.03E-07
854	490136.72, 3860735.12	2.28E-03	7.20E-07	3.06E-07	2.46E-03	7.77E-07	3.30E-07	3.89E-03	1.23E-06	5.21E-07
855	490186.72, 3860735.12	2.28E-03	7.19E-07	3.05E-07	2.46E-03	7.75E-07	3.29E-07	3.88E-03	1.22E-06	5.20E-07
856	490236.72, 3860735.12	2.27E-03	7.18E-07	3.04E-07	2.45E-03	7.74E-07	3.28E-07	3.87E-03	1.22E-06	5.19E-07
857	490286.72, 3860735.12	2.27E-03	7.16E-07	3.04E-07	2.45E-03	7.73E-07	3.28E-07	3.87E-03	1.22E-06	5.18E-07
858	490336.72, 3860735.12	2.26E-03	7.14E-07	3.03E-07	2.44E-03	7.71E-07	3.27E-07	3.86E-03	1.22E-06	5.17E-07
859	490386.72, 3860735.12	2.26E-03	7.13E-07	3.02E-07	2.44E-03	7.69E-07	3.26E-07	3.85E-03	1.21E-06	5.15E-07
860	490436.72, 3860735.12	2.26E-03	7.12E-07	3.02E-07	2.43E-03	7.68E-07	3.26E-07	3.84E-03	1.21E-06	5.15E-07
861	490486.72, 3860735.12	2.24E-03	7.07E-07	3.00E-07	2.42E-03	7.63E-07	3.24E-07	3.82E-03	1.21E-06	5.12E-07
862	490536.72, 3860735.12	2.22E-03	7.02E-07	2.98E-07	2.40E-03	7.57E-07	3.21E-07	3.79E-03	1.20E-06	5.08E-07
863	490586.72, 3860735.12	2.21E-03	6.98E-07	2.96E-07	2.39E-03	7.53E-07	3.19E-07	3.77E-03	1.19E-06	5.05E-07
864	490636.72, 3860735.12	2.20E-03	6.94E-07	2.94E-07	2.37E-03	7.49E-07	3.18E-07	3.75E-03	1.18E-06	5.02E-07
865	490686.72, 3860735.12	2.19E-03	6.91E-07	2.93E-07	2.36E-03	7.45E-07	3.16E-07	3.73E-03	1.18E-06	5.00E-07
866	490736.72, 3860735.12	2.18E-03	6.87E-07	2.92E-07	2.35E-03	7.42E-07	3.15E-07	3.71E-03	1.17E-06	4.97E-07
867	490136.72, 3860785.12	2.22E-03	7.01E-07	2.98E-07	2.40E-03	7.56E-07	3.21E-07	3.78E-03	1.19E-06	5.07E-07
868	490186.72, 3860785.12	2.22E-03	7.01E-07	2.98E-07	2.40E-03	7.57E-07	3.21E-07	3.79E-03	1.19E-06	5.07E-07
869	490236.72, 3860785.12	2.22E-03	7.01E-07	2.97E-07	2.39E-03	7.56E-07	3.21E-07	3.78E-03	1.19E-06	5.06E-07
870	490286.72, 3860785.12	2.22E-03	7.00E-07	2.97E-07	2.39E-03	7.55E-07	3.20E-07	3.78E-03	1.19E-06	5.06E-07
871	490336.72, 3860785.12	2.21E-03	6.98E-07	2.96E-07	2.39E-03	7.53E-07	3.20E-07	3.77E-03	1.19E-06	5.05E-07
872	490386.72, 3860785.12	2.21E-03	6.98E-07	2.96E-07	2.39E-03	7.53E-07	3.19E-07	3.77E-03	1.19E-06	5.05E-07
873	490436.72, 3860785.12	2.20E-03	6.96E-07	2.95E-07	2.38E-03	7.50E-07	3.18E-07	3.76E-03	1.19E-06	5.03E-07
874	490486.72, 3860785.12	2.20E-03	6.94E-07	2.94E-07	2.37E-03	7.49E-07	3.18E-07	3.75E-03	1.18E-06	5.02E-07
875	490536.72, 3860785.12	2.19E-03	6.90E-07	2.93E-07	2.36E-03	7.45E-07	3.16E-07	3.73E-03	1.18E-06	4.99E-07
876	490586.72, 3860785.12	2.17E-03	6.85E-07	2.91E-07	2.34E-03	7.39E-07	3.14E-07	3.70E-03	1.17E-06	4.96E-07
877	490636.72, 3860785.12	2.16E-03	6.81E-07	2.89E-07	2.33E-03	7.35E-07	3.12E-07	3.68E-03	1.16E-06	4.93E-07
878	490686.72, 3860785.12	2.15E-03	6.78E-07	2.88E-07	2.32E-03	7.31E-07	3.10E-07	3.66E-03	1.16E-06	4.90E-07
879	490736.72, 3860785.12	2.14E-03	6.75E-07	2.86E-07	2.31E-03	7.28E-07	3.09E-07	3.65E-03	1.15E-06	4.88E-07
880	490086.72, 3860835.12	2.17E-03	6.84E-07	2.90E-07	2.34E-03	7.37E-07	3.13E-07	3.69E-03	1.16E-06	4.94E-07
881	490136.72, 3860835.12	2.17E-03	6.85E-07	2.91E-07	2.34E-03	7.39E-07	3.14E-07	3.70E-03	1.17E-06	4.95E-07
882	490186.72, 3860835.12	2.17E-03	6.85E-07	2.91E-07	2.34E-03	7.39E-07	3.13E-07	3.70E-03	1.17E-06	4.95E-07
883	490236.72, 3860835.12	2.17E-03	6.84E-07	2.90E-07	2.34E-03	7.38E-07	3.13E-07	3.69E-03	1.17E-06	4.95E-07
884	490286.72, 3860835.12	2.17E-03	6.84E-07	2.90E-07	2.34E-03	7.38E-07	3.13E-07	3.69E-03	1.17E-06	4.95E-07
885	490336.72, 3860835.12	2.16E-03	6.83E-07	2.90E-07	2.33E-03	7.37E-07	3.13E-07	3.69E-03	1.16E-06	4.94E-07
886	490386.72, 3860835.12	2.16E-03	6.82E-07	2.89E-07	2.33E-03	7.36E-07	3.12E-07	3.68E-03	1.16E-06	4.93E-07
887	490436.72, 3860835.12	2.16E-03	6.81E-07	2.89E-07	2.33E-03	7.35E-07	3.12E-07	3.68E-03	1.16E-06	4.93E-07
888	490486.72, 3860835.12	2.15E-03	6.79E-07	2.88E-07	2.32E-03	7.33E-07	3.11E-07	3.67E-03	1.16E-06	4.91E-07
889	490536.72, 3860835.12	2.14E-03	6.77E-07	2.87E-07	2.31E-03	7.30E-07	3.10E-07	3.66E-03	1.15E-06	4.90E-07
890	490586.72, 3860835.12	2.13E-03	6.73E-07	2.86E-07	2.30E-03	7.26E-07	3.08E-07	3.64E-03	1.15E-06	4.87E-07
891	490636.72, 3860835.12	2.12E-03	6.69E-07	2.84E-07	2.29E-03	7.22E-07	3.06E-07	3.62E-03	1.14E-06	4.84E-07
892	490686.72, 3860835.12	2.11E-03	6.66E-07	2.83E-07	2.28E-03	7.18E-07	3.05E-07	3.60E-03	1.14E-06	4.82E-07
893	490736.72, 3860835.12	2.10E-03	6.63E-07	2.81E-07	2.27E-03	7.15E-07	3.03E-07	3.58E-03	1.13E-06	4.80E-07
894	490086.72, 3860885.12	2.12E-03	6.68E-07	2.83E-07	2.28E-03	7.20E-07	3.06E-07	3.60E-03	1.14E-06	4.82E-07
895	490136.72, 3860885.12	2.12E-03	6.69E-07	2.84E-07	2.28E-03	7.21E-07	3.06E-07	3.61E-03	1.14E-06	4.83E-07
896	490186.72, 3860885.12	2.12E-03	6.69E-07	2.84E-07	2.29E-03	7.21E-07	3.06E-07	3.61E-03	1.14E-06	4.83E-07
897	490236.72, 3860885.12	2.12E-03	6.69E-07	2.84E-07	2.29E-03	7.22E-07	3.06E-07	3.61E-03	1.14E-06	4.83E-07
898	490286.72, 3860885.12	2.12E-03	6.69E-07	2.84E-07	2.29E-03	7.21E-07	3.06E-07	3.61E-03	1.14E-06	4.83E-07
899	490336.72, 3860885.12	2.12E-03	6.68E-07	2.83E-07	2.28E-03	7.20E-07	3.06E-07	3.61E-03	1.14E-06	4.83E-07
900	490386.72, 3860885.12	2.11E-03	6.68E-07	2.83E-07	2.28E-03	7.20E-07	3.06E-07	3.60E-03	1.14E-06	4.83E-07
901	490436.72, 3860885.12	2.11E-03	6.67E-07	2.83E-07	2.28E-03	7.19E-07	3.05E-07	3.60E-03	1.14E-06	4.82E-07
902	490486.72, 3860885.12	2.11E-03	6.66E-07	2.82E-07	2.27E-03	7.18E-07	3.05E-07	3.60E-03	1.13E-06	4.81E-07
903	490536.72, 3860885.12	2.10E-03	6.63E-07	2.81E-07	2.27E-03	7.16E-07	3.04E-07	3.58E-03	1.13E-06	4.80E-07
904	490586.72, 3860885.12	2.09E-03	6.61E-07	2.80E-07	2.26E-03	7.13E-07	3.02E-07	3.57E-03	1.13E-06	4.78E-07
905	490636.72, 3860885.12	2.08E-03	6.57E-07	2.79E-07	2.25E-03	7.09E-07	3.01E-07	3.55E-03	1.12E-06	4.76E-07
906	490686.72, 3860885.12	2.07E-03	6.54E-07	2.77E-07	2.24E-03	7.05E-07	2.99E-07	3.53E-03	1.12E-06	4.73E-07
907	490736.72, 3860885.12	2.06E-03	6.51E-07	2.76E-07	2.22E-03	7.02E-07	2.98E-07	3.52E-03	1.11E-06	4.71E-07
908	490086.72, 3860935.12	2.06E-03	6.51E-07	2.76E-07	2.22E-03	7.02E-07	2.98E-07	3.51E-03	1.11E-06	4.70E-07
909	490136.72, 3860935.12	2.06E-03	6.51E-07	2.76E-07	2.23E-03	7.03E-07	2.98E-07	3.51E-03	1.11E-06	4.71E-07
910	490186.72, 3860935.12	2.07E-03	6.53E-07	2.77E-07	2.23E-03	7.04E-07	2.99E-07	3.52E-03	1.11E-06	4.72E-07
911	490236.72, 3860935.12	2.07E-03	6.53E-07	2.77E-07	2.23E-03	7.05E-07	2.99E-07	3.53E-03	1.11E-06	4.72E-07

912	490286.72, 3860935.12	2.07E-03	6.54E-07	2.77E-07	2.23E-03	7.05E-07	2.99E-07	3.53E-03	1.11E-06	4.73E-07
913	490336.72, 3860935.12	2.07E-03	6.53E-07	2.77E-07	2.23E-03	7.05E-07	2.99E-07	3.53E-03	1.11E-06	4.72E-07
914	490386.72, 3860935.12	2.07E-03	6.53E-07	2.77E-07	2.23E-03	7.05E-07	2.99E-07	3.53E-03	1.11E-06	4.73E-07
915	490436.72, 3860935.12	2.07E-03	6.53E-07	2.77E-07	2.23E-03	7.05E-07	2.99E-07	3.53E-03	1.11E-06	4.72E-07
916	490486.72, 3860935.12	2.07E-03	6.52E-07	2.77E-07	2.23E-03	7.03E-07	2.98E-07	3.52E-03	1.11E-06	4.72E-07
917	490536.72, 3860935.12	2.06E-03	6.51E-07	2.76E-07	2.22E-03	7.02E-07	2.98E-07	3.51E-03	1.11E-06	4.71E-07
918	490586.72, 3860935.12	2.05E-03	6.48E-07	2.75E-07	2.22E-03	6.99E-07	2.97E-07	3.50E-03	1.11E-06	4.69E-07
919	490636.72, 3860935.12	2.04E-03	6.45E-07	2.74E-07	2.21E-03	6.96E-07	2.95E-07	3.49E-03	1.10E-06	4.67E-07
920	490686.72, 3860935.12	2.04E-03	6.43E-07	2.73E-07	2.20E-03	6.93E-07	2.94E-07	3.47E-03	1.10E-06	4.65E-07
921	490736.72, 3860935.12	2.03E-03	6.39E-07	2.71E-07	2.19E-03	6.90E-07	2.93E-07	3.46E-03	1.09E-06	4.63E-07
922	490786.72, 3860935.12	2.02E-03	6.36E-07	2.70E-07	2.17E-03	6.86E-07	2.91E-07	3.44E-03	1.09E-06	4.61E-07
923	490836.72, 3860935.12	2.01E-03	6.34E-07	2.69E-07	2.17E-03	6.84E-07	2.90E-07	3.43E-03	1.08E-06	4.59E-07
924	490086.72, 3860985.12	2.01E-03	6.36E-07	2.70E-07	2.17E-03	6.85E-07	2.91E-07	3.43E-03	1.08E-06	4.59E-07
925	490136.72, 3860985.12	2.02E-03	6.37E-07	2.70E-07	2.18E-03	6.87E-07	2.91E-07	3.43E-03	1.08E-06	4.60E-07
926	490186.72, 3860985.12	2.02E-03	6.38E-07	2.71E-07	2.18E-03	6.88E-07	2.92E-07	3.44E-03	1.09E-06	4.61E-07
927	490236.72, 3860985.12	2.02E-03	6.38E-07	2.71E-07	2.18E-03	6.88E-07	2.92E-07	3.44E-03	1.09E-06	4.61E-07
928	490286.72, 3860985.12	2.02E-03	6.39E-07	2.71E-07	2.18E-03	6.89E-07	2.92E-07	3.45E-03	1.09E-06	4.62E-07
929	490336.72, 3860985.12	2.02E-03	6.39E-07	2.71E-07	2.18E-03	6.89E-07	2.92E-07	3.45E-03	1.09E-06	4.62E-07
930	490386.72, 3860985.12	2.02E-03	6.39E-07	2.71E-07	2.18E-03	6.89E-07	2.92E-07	3.45E-03	1.09E-06	4.62E-07
931	490436.72, 3860985.12	2.03E-03	6.40E-07	2.71E-07	2.19E-03	6.90E-07	2.93E-07	3.45E-03	1.09E-06	4.63E-07
932	490486.72, 3860985.12	2.02E-03	6.39E-07	2.71E-07	2.18E-03	6.89E-07	2.92E-07	3.45E-03	1.09E-06	4.62E-07
933	490536.72, 3860985.12	2.02E-03	6.37E-07	2.70E-07	2.18E-03	6.87E-07	2.92E-07	3.44E-03	1.09E-06	4.61E-07
934	490586.72, 3860985.12	2.01E-03	6.36E-07	2.70E-07	2.17E-03	6.86E-07	2.91E-07	3.43E-03	1.08E-06	4.60E-07
935	490636.72, 3860985.12	2.01E-03	6.34E-07	2.69E-07	2.17E-03	6.84E-07	2.90E-07	3.43E-03	1.08E-06	4.59E-07
936	490686.72, 3860985.12	2.00E-03	6.31E-07	2.68E-07	2.16E-03	6.81E-07	2.89E-07	3.41E-03	1.08E-06	4.57E-07
937	490736.72, 3860985.12	1.99E-03	6.28E-07	2.67E-07	2.15E-03	6.78E-07	2.88E-07	3.40E-03	1.07E-06	4.55E-07
938	490786.72, 3860985.12	1.98E-03	6.25E-07	2.65E-07	2.14E-03	6.75E-07	2.86E-07	3.38E-03	1.07E-06	4.53E-07
939	490836.72, 3860985.12	1.97E-03	6.23E-07	2.64E-07	2.13E-03	6.72E-07	2.85E-07	3.37E-03	1.06E-06	4.51E-07
940	490086.72, 3861035.12	1.97E-03	6.20E-07	2.63E-07	2.12E-03	6.69E-07	2.84E-07	3.35E-03	1.06E-06	4.48E-07
941	490136.72, 3861035.12	1.97E-03	6.22E-07	2.64E-07	2.12E-03	6.70E-07	2.84E-07	3.35E-03	1.06E-06	4.49E-07
942	490186.72, 3861035.12	1.97E-03	6.23E-07	2.64E-07	2.13E-03	6.71E-07	2.85E-07	3.36E-03	1.06E-06	4.50E-07
943	490236.72, 3861035.12	1.98E-03	6.24E-07	2.65E-07	2.13E-03	6.73E-07	2.85E-07	3.37E-03	1.06E-06	4.51E-07
944	490286.72, 3861035.12	1.98E-03	6.24E-07	2.65E-07	2.13E-03	6.73E-07	2.86E-07	3.37E-03	1.06E-06	4.51E-07
945	490336.72, 3861035.12	1.98E-03	6.24E-07	2.65E-07	2.13E-03	6.73E-07	2.86E-07	3.37E-03	1.06E-06	4.51E-07
946	490386.72, 3861035.12	1.98E-03	6.25E-07	2.65E-07	2.14E-03	6.75E-07	2.86E-07	3.38E-03	1.07E-06	4.52E-07
947	490436.72, 3861035.12	1.98E-03	6.26E-07	2.66E-07	2.14E-03	6.75E-07	2.87E-07	3.38E-03	1.07E-06	4.53E-07
948	490486.72, 3861035.12	1.98E-03	6.26E-07	2.65E-07	2.14E-03	6.75E-07	2.86E-07	3.38E-03	1.07E-06	4.53E-07
949	490536.72, 3861035.12	1.98E-03	6.25E-07	2.65E-07	2.14E-03	6.74E-07	2.86E-07	3.38E-03	1.07E-06	4.52E-07
950	490586.72, 3861035.12	1.98E-03	6.23E-07	2.65E-07	2.13E-03	6.73E-07	2.85E-07	3.37E-03	1.06E-06	4.51E-07
951	490636.72, 3861035.12	1.97E-03	6.22E-07	2.64E-07	2.12E-03	6.71E-07	2.85E-07	3.36E-03	1.06E-06	4.50E-07
952	490686.72, 3861035.12	1.96E-03	6.20E-07	2.63E-07	2.12E-03	6.68E-07	2.84E-07	3.35E-03	1.06E-06	4.48E-07
953	490736.72, 3861035.12	1.96E-03	6.17E-07	2.62E-07	2.11E-03	6.66E-07	2.82E-07	3.34E-03	1.05E-06	4.47E-07
954	490786.72, 3861035.12	1.95E-03	6.15E-07	2.61E-07	2.10E-03	6.63E-07	2.81E-07	3.32E-03	1.05E-06	4.45E-07
955	490836.72, 3861035.12	1.94E-03	6.12E-07	2.60E-07	2.09E-03	6.61E-07	2.80E-07	3.31E-03	1.04E-06	4.43E-07
956	490086.72, 3861085.12	1.92E-03	6.06E-07	2.57E-07	2.07E-03	6.53E-07	2.77E-07	3.27E-03	1.03E-06	4.37E-07
957	490136.72, 3861085.12	1.93E-03	6.08E-07	2.58E-07	2.08E-03	6.55E-07	2.78E-07	3.28E-03	1.03E-06	4.39E-07
958	490186.72, 3861085.12	1.93E-03	6.10E-07	2.59E-07	2.08E-03	6.57E-07	2.79E-07	3.29E-03	1.04E-06	4.40E-07
959	490236.72, 3861085.12	1.93E-03	6.10E-07	2.59E-07	2.08E-03	6.58E-07	2.79E-07	3.29E-03	1.04E-06	4.41E-07
960	490286.72, 3861085.12	1.93E-03	6.10E-07	2.59E-07	2.09E-03	6.58E-07	2.79E-07	3.29E-03	1.04E-06	4.41E-07
961	490336.72, 3861085.12	1.94E-03	6.11E-07	2.59E-07	2.09E-03	6.59E-07	2.80E-07	3.30E-03	1.04E-06	4.41E-07
962	490386.72, 3861085.12	1.94E-03	6.12E-07	2.60E-07	2.09E-03	6.60E-07	2.80E-07	3.30E-03	1.04E-06	4.42E-07
963	490436.72, 3861085.12	1.94E-03	6.12E-07	2.60E-07	2.09E-03	6.60E-07	2.80E-07	3.31E-03	1.04E-06	4.43E-07
964	490486.72, 3861085.12	1.94E-03	6.12E-07	2.60E-07	2.09E-03	6.61E-07	2.80E-07	3.31E-03	1.04E-06	4.43E-07
965	490536.72, 3861085.12	1.94E-03	6.13E-07	2.60E-07	2.09E-03	6.61E-07	2.80E-07	3.31E-03	1.04E-06	4.43E-07
966	490586.72, 3861085.12	1.94E-03	6.11E-07	2.59E-07	2.09E-03	6.60E-07	2.80E-07	3.30E-03	1.04E-06	4.42E-07
967	490636.72, 3861085.12	1.93E-03	6.10E-07	2.59E-07	2.08E-03	6.58E-07	2.79E-07	3.29E-03	1.04E-06	4.41E-07
968	490686.72, 3861085.12	1.93E-03	6.08E-07	2.58E-07	2.08E-03	6.56E-07	2.78E-07	3.29E-03	1.04E-06	4.40E-07
969	490736.72, 3861085.12	1.92E-03	6.06E-07	2.57E-07	2.07E-03	6.54E-07	2.77E-07	3.28E-03	1.03E-06	4.39E-07
970	490786.72, 3861085.12	1.91E-03	6.04E-07	2.56E-07	2.07E-03	6.52E-07	2.77E-07	3.27E-03	1.03E-06	4.37E-07
971	490836.72, 3861085.12	1.91E-03	6.02E-07	2.55E-07	2.06E-03	6.49E-07	2.75E-07	3.25E-03	1.03E-06	4.36E-07
972	490086.72, 3861135.12	1.87E-03	5.91E-07	2.51E-07	2.02E-03	6.38E-07	2.71E-07	3.19E-03	1.01E-06	4.27E-07

973	490136.72, 3861135.12	1.88E-03	5.93E-07	2.52E-07	2.03E-03	6.40E-07	2.71E-07	3.20E-03	1.01E-06	4.28E-07
974	490186.72, 3861135.12	1.89E-03	5.95E-07	2.52E-07	2.03E-03	6.42E-07	2.72E-07	3.21E-03	1.01E-06	4.30E-07
975	490236.72, 3861135.12	1.89E-03	5.96E-07	2.53E-07	2.04E-03	6.43E-07	2.73E-07	3.22E-03	1.02E-06	4.31E-07
976	490286.72, 3861135.12	1.89E-03	5.97E-07	2.53E-07	2.04E-03	6.44E-07	2.73E-07	3.22E-03	1.02E-06	4.32E-07
977	490336.72, 3861135.12	1.89E-03	5.98E-07	2.54E-07	2.04E-03	6.45E-07	2.74E-07	3.23E-03	1.02E-06	4.32E-07
978	490386.72, 3861135.12	1.90E-03	5.99E-07	2.54E-07	2.05E-03	6.46E-07	2.74E-07	3.23E-03	1.02E-06	4.33E-07
979	490436.72, 3861135.12	1.90E-03	5.99E-07	2.54E-07	2.05E-03	6.46E-07	2.74E-07	3.23E-03	1.02E-06	4.33E-07
980	490486.72, 3861135.12	1.90E-03	6.00E-07	2.54E-07	2.05E-03	6.47E-07	2.74E-07	3.24E-03	1.02E-06	4.34E-07
981	490536.72, 3861135.12	1.90E-03	6.00E-07	2.54E-07	2.05E-03	6.47E-07	2.74E-07	3.24E-03	1.02E-06	4.34E-07
982	490586.72, 3861135.12	1.90E-03	5.99E-07	2.54E-07	2.05E-03	6.46E-07	2.74E-07	3.24E-03	1.02E-06	4.33E-07
983	490636.72, 3861135.12	1.89E-03	5.98E-07	2.54E-07	2.04E-03	6.45E-07	2.74E-07	3.23E-03	1.02E-06	4.33E-07
984	490686.72, 3861135.12	1.89E-03	5.97E-07	2.53E-07	2.04E-03	6.44E-07	2.73E-07	3.22E-03	1.02E-06	4.32E-07
985	490736.72, 3861135.12	1.89E-03	5.95E-07	2.53E-07	2.04E-03	6.42E-07	2.73E-07	3.22E-03	1.02E-06	4.31E-07
986	490786.72, 3861135.12	1.88E-03	5.94E-07	2.52E-07	2.03E-03	6.41E-07	2.72E-07	3.21E-03	1.01E-06	4.30E-07
987	490836.72, 3861135.12	1.87E-03	5.92E-07	2.51E-07	2.02E-03	6.38E-07	2.71E-07	3.20E-03	1.01E-06	4.28E-07
988	490086.72, 3861185.12	1.83E-03	5.78E-07	2.45E-07	1.97E-03	6.23E-07	2.64E-07	3.11E-03	9.83E-07	4.17E-07
989	490136.72, 3861185.12	1.83E-03	5.79E-07	2.45E-07	1.98E-03	6.24E-07	2.65E-07	3.12E-03	9.85E-07	4.18E-07
990	490186.72, 3861185.12	1.84E-03	5.80E-07	2.46E-07	1.98E-03	6.26E-07	2.65E-07	3.13E-03	9.88E-07	4.19E-07
991	490236.72, 3861185.12	1.84E-03	5.82E-07	2.47E-07	1.99E-03	6.28E-07	2.66E-07	3.14E-03	9.91E-07	4.20E-07
992	490286.72, 3861185.12	1.85E-03	5.84E-07	2.48E-07	1.99E-03	6.30E-07	2.67E-07	3.15E-03	9.94E-07	4.22E-07
993	490336.72, 3861185.12	1.85E-03	5.84E-07	2.48E-07	1.99E-03	6.30E-07	2.67E-07	3.15E-03	9.94E-07	4.22E-07
994	490386.72, 3861185.12	1.85E-03	5.85E-07	2.48E-07	2.00E-03	6.31E-07	2.68E-07	3.16E-03	9.96E-07	4.23E-07
995	490436.72, 3861185.12	1.86E-03	5.86E-07	2.49E-07	2.00E-03	6.32E-07	2.68E-07	3.16E-03	9.99E-07	4.24E-07
996	490486.72, 3861185.12	1.86E-03	5.87E-07	2.49E-07	2.00E-03	6.33E-07	2.68E-07	3.17E-03	1.00E-06	4.24E-07
997	490536.72, 3861185.12	1.86E-03	5.88E-07	2.49E-07	2.01E-03	6.34E-07	2.69E-07	3.18E-03	1.00E-06	4.25E-07
998	490586.72, 3861185.12	1.86E-03	5.87E-07	2.49E-07	2.01E-03	6.34E-07	2.69E-07	3.17E-03	1.00E-06	4.25E-07
999	490636.72, 3861185.12	1.86E-03	5.86E-07	2.49E-07	2.00E-03	6.32E-07	2.68E-07	3.17E-03	9.99E-07	4.24E-07
1000	490686.72, 3861185.12	1.85E-03	5.85E-07	2.48E-07	2.00E-03	6.31E-07	2.68E-07	3.16E-03	9.98E-07	4.23E-07
1001	490736.72, 3861185.12	1.85E-03	5.85E-07	2.48E-07	2.00E-03	6.31E-07	2.68E-07	3.16E-03	9.97E-07	4.23E-07
1002	490786.72, 3861185.12	1.85E-03	5.84E-07	2.48E-07	1.99E-03	6.30E-07	2.67E-07	3.15E-03	9.96E-07	4.22E-07
1003	490836.72, 3861185.12	1.84E-03	5.82E-07	2.47E-07	1.99E-03	6.28E-07	2.66E-07	3.15E-03	9.93E-07	4.21E-07
1004	490086.72, 3861235.12	1.79E-03	5.64E-07	2.39E-07	1.93E-03	6.09E-07	2.58E-07	3.04E-03	9.60E-07	4.07E-07
1005	490136.72, 3861235.12	1.79E-03	5.65E-07	2.40E-07	1.93E-03	6.10E-07	2.59E-07	3.05E-03	9.62E-07	4.08E-07
1006	490186.72, 3861235.12	1.80E-03	5.67E-07	2.41E-07	1.94E-03	6.11E-07	2.59E-07	3.06E-03	9.65E-07	4.09E-07
1007	490236.72, 3861235.12	1.80E-03	5.68E-07	2.41E-07	1.94E-03	6.12E-07	2.60E-07	3.06E-03	9.67E-07	4.10E-07
1008	490386.72, 3861235.12	1.81E-03	5.71E-07	2.42E-07	1.95E-03	6.16E-07	2.61E-07	3.08E-03	9.73E-07	4.13E-07
1009	490436.72, 3861235.12	1.81E-03	5.72E-07	2.43E-07	1.95E-03	6.17E-07	2.62E-07	3.09E-03	9.74E-07	4.13E-07
1010	490486.72, 3861235.12	1.81E-03	5.73E-07	2.43E-07	1.96E-03	6.18E-07	2.62E-07	3.09E-03	9.76E-07	4.14E-07
1011	490536.72, 3861235.12	1.82E-03	5.75E-07	2.44E-07	1.96E-03	6.20E-07	2.63E-07	3.11E-03	9.80E-07	4.16E-07
1012	490586.72, 3861235.12	1.83E-03	5.76E-07	2.44E-07	1.97E-03	6.21E-07	2.64E-07	3.11E-03	9.82E-07	4.17E-07
1013	490636.72, 3861235.12	1.82E-03	5.74E-07	2.44E-07	1.96E-03	6.19E-07	2.63E-07	3.10E-03	9.79E-07	4.15E-07
1014	490686.72, 3861235.12	1.82E-03	5.74E-07	2.43E-07	1.96E-03	6.19E-07	2.63E-07	3.10E-03	9.78E-07	4.15E-07
1015	490736.72, 3861235.12	1.82E-03	5.74E-07	2.43E-07	1.96E-03	6.19E-07	2.63E-07	3.10E-03	9.78E-07	4.15E-07
1016	490786.72, 3861235.12	1.82E-03	5.73E-07	2.43E-07	1.96E-03	6.18E-07	2.62E-07	3.10E-03	9.78E-07	4.15E-07
1017	490836.72, 3861235.12	1.81E-03	5.72E-07	2.43E-07	1.96E-03	6.17E-07	2.62E-07	3.09E-03	9.76E-07	4.14E-07
1018	490086.72, 3861285.12	1.75E-03	5.52E-07	2.34E-07	1.89E-03	5.95E-07	2.53E-07	2.98E-03	9.39E-07	3.99E-07
1019	490136.72, 3861285.12	1.76E-03	5.54E-07	2.35E-07	1.89E-03	5.98E-07	2.54E-07	2.99E-03	9.43E-07	4.00E-07
1020	490186.72, 3861285.12	1.76E-03	5.54E-07	2.35E-07	1.89E-03	5.98E-07	2.54E-07	2.99E-03	9.44E-07	4.00E-07
1021	490236.72, 3861285.12	1.76E-03	5.55E-07	2.36E-07	1.90E-03	5.99E-07	2.54E-07	3.00E-03	9.45E-07	4.01E-07
1022	490386.72, 3861285.12	1.77E-03	5.59E-07	2.37E-07	1.91E-03	6.03E-07	2.56E-07	3.01E-03	9.51E-07	4.04E-07
1023	490436.72, 3861285.12	1.77E-03	5.60E-07	2.38E-07	1.91E-03	6.04E-07	2.56E-07	3.02E-03	9.54E-07	4.05E-07
1024	490486.72, 3861285.12	1.78E-03	5.60E-07	2.38E-07	1.92E-03	6.05E-07	2.57E-07	3.03E-03	9.55E-07	4.05E-07
1025	490536.72, 3861285.12	1.78E-03	5.61E-07	2.38E-07	1.92E-03	6.06E-07	2.57E-07	3.03E-03	9.57E-07	4.06E-07
1026	490586.72, 3861285.12	1.78E-03	5.62E-07	2.39E-07	1.92E-03	6.07E-07	2.57E-07	3.04E-03	9.59E-07	4.07E-07
1027	490636.72, 3861285.12	1.78E-03	5.62E-07	2.38E-07	1.92E-03	6.06E-07	2.57E-07	3.04E-03	9.58E-07	4.06E-07
1028	490686.72, 3861285.12	1.78E-03	5.62E-07	2.38E-07	1.92E-03	6.06E-07	2.57E-07	3.04E-03	9.58E-07	4.07E-07
1029	490736.72, 3861285.12	1.78E-03	5.63E-07	2.39E-07	1.92E-03	6.07E-07	2.58E-07	3.04E-03	9.60E-07	4.07E-07
1030	490786.72, 3861285.12	1.78E-03	5.62E-07	2.39E-07	1.92E-03	6.07E-07	2.57E-07	3.04E-03	9.60E-07	4.07E-07
1031	490836.72, 3861285.12	1.78E-03	5.61E-07	2.38E-07	1.92E-03	6.05E-07	2.57E-07	3.03E-03	9.58E-07	4.06E-07
1032	490061.24, 3859716.13	3.88E-03	1.22E-06	5.20E-07	4.18E-03	1.32E-06	5.60E-07	6.57E-03	2.07E-06	8.80E-07
1033	490111.24, 3859716.13	3.89E-03	1.23E-06	5.21E-07	4.19E-03	1.32E-06	5.61E-07	6.59E-03	2.08E-06	8.82E-07

1034 490161.24, 3859716.13	3.90E-03	1.23E-06	5.22E-07	4.20E-03	1.33E-06	5.63E-07	6.60E-03	2.08E-06	8.84E-07
1035 490211.24, 3859716.13	3.91E-03	1.23E-06	5.23E-07	4.21E-03	1.33E-06	5.64E-07	6.62E-03	2.09E-06	8.86E-07
1036 490061.24, 3859766.13	3.73E-03	1.18E-06	4.99E-07	4.02E-03	1.27E-06	5.38E-07	6.32E-03	1.99E-06	8.46E-07
1037 490111.24, 3859766.13	3.73E-03	1.18E-06	4.99E-07	4.02E-03	1.27E-06	5.38E-07	6.32E-03	1.99E-06	8.46E-07
1038 490161.24, 3859766.13	3.73E-03	1.18E-06	5.00E-07	4.02E-03	1.27E-06	5.39E-07	6.33E-03	2.00E-06	8.47E-07
1039 490211.24, 3859766.13	3.74E-03	1.18E-06	5.01E-07	4.03E-03	1.27E-06	5.40E-07	6.34E-03	2.00E-06	8.49E-07
1040 490061.24, 3859816.13	3.59E-03	1.13E-06	4.81E-07	3.87E-03	1.22E-06	5.18E-07	6.09E-03	1.92E-06	8.15E-07
1041 490111.24, 3859816.13	3.58E-03	1.13E-06	4.80E-07	3.86E-03	1.22E-06	5.18E-07	6.08E-03	1.92E-06	8.14E-07
1042 490161.24, 3859816.13	3.59E-03	1.13E-06	4.80E-07	3.87E-03	1.22E-06	5.18E-07	6.08E-03	1.92E-06	8.15E-07
1043 490211.24, 3859816.13	3.59E-03	1.13E-06	4.81E-07	3.87E-03	1.22E-06	5.18E-07	6.09E-03	1.92E-06	8.15E-07
1044 490061.24, 3859866.13	3.47E-03	1.09E-06	4.64E-07	3.74E-03	1.18E-06	5.01E-07	5.89E-03	1.86E-06	7.88E-07
1045 490111.24, 3859866.13	3.46E-03	1.09E-06	4.63E-07	3.73E-03	1.18E-06	5.00E-07	5.87E-03	1.85E-06	7.86E-07
1046 490161.24, 3859866.13	3.46E-03	1.09E-06	4.63E-07	3.73E-03	1.18E-06	4.99E-07	5.87E-03	1.85E-06	7.86E-07
1047 490211.24, 3859866.13	3.46E-03	1.09E-06	4.63E-07	3.73E-03	1.18E-06	4.99E-07	5.87E-03	1.85E-06	7.85E-07
1048 490061.24, 3859916.13	3.36E-03	1.06E-06	4.50E-07	3.62E-03	1.14E-06	4.85E-07	5.71E-03	1.80E-06	7.64E-07
1049 490111.24, 3859916.13	3.35E-03	1.06E-06	4.48E-07	3.61E-03	1.14E-06	4.84E-07	5.69E-03	1.80E-06	7.62E-07
1050 490161.24, 3859916.13	3.34E-03	1.05E-06	4.47E-07	3.60E-03	1.14E-06	4.82E-07	5.67E-03	1.79E-06	7.60E-07
1051 490211.24, 3859916.13	3.33E-03	1.05E-06	4.47E-07	3.60E-03	1.13E-06	4.81E-07	5.66E-03	1.79E-06	7.58E-07
1052 490229.25, 3859815.26	3.60E-03	1.13E-06	4.81E-07	3.88E-03	1.22E-06	5.19E-07	6.10E-03	1.92E-06	8.17E-07
1053 490279.25, 3859815.26	3.60E-03	1.14E-06	4.82E-07	3.88E-03	1.23E-06	5.20E-07	6.11E-03	1.93E-06	8.18E-07
1054 490329.25, 3859815.26	3.61E-03	1.14E-06	4.83E-07	3.89E-03	1.23E-06	5.21E-07	6.12E-03	1.93E-06	8.19E-07
1055 490379.25, 3859815.26	3.62E-03	1.14E-06	4.85E-07	3.91E-03	1.23E-06	5.23E-07	6.14E-03	1.94E-06	8.23E-07
1056 490429.25, 3859815.26	3.64E-03	1.15E-06	4.88E-07	3.93E-03	1.24E-06	5.26E-07	6.18E-03	1.95E-06	8.27E-07
1057 490229.25, 3859865.26	3.46E-03	1.09E-06	4.63E-07	3.73E-03	1.18E-06	4.99E-07	5.87E-03	1.85E-06	7.86E-07
1058 490279.25, 3859865.26	3.46E-03	1.09E-06	4.63E-07	3.73E-03	1.18E-06	5.00E-07	5.87E-03	1.85E-06	7.87E-07
1059 490329.25, 3859865.26	3.47E-03	1.09E-06	4.64E-07	3.74E-03	1.18E-06	5.00E-07	5.88E-03	1.86E-06	7.88E-07
1060 490379.25, 3859865.26	3.47E-03	1.10E-06	4.65E-07	3.75E-03	1.18E-06	5.02E-07	5.90E-03	1.86E-06	7.90E-07
1061 490429.25, 3859865.26	3.49E-03	1.10E-06	4.67E-07	3.76E-03	1.19E-06	5.03E-07	5.92E-03	1.87E-06	7.92E-07
1062 490229.25, 3859915.26	3.34E-03	1.05E-06	4.47E-07	3.60E-03	1.14E-06	4.82E-07	5.67E-03	1.79E-06	7.59E-07
1063 490279.25, 3859915.26	3.33E-03	1.05E-06	4.46E-07	3.59E-03	1.13E-06	4.81E-07	5.66E-03	1.79E-06	7.58E-07
1064 490329.25, 3859915.26	3.33E-03	1.05E-06	4.47E-07	3.60E-03	1.13E-06	4.81E-07	5.66E-03	1.79E-06	7.58E-07
1065 490379.25, 3859915.26	3.34E-03	1.05E-06	4.47E-07	3.60E-03	1.14E-06	4.82E-07	5.67E-03	1.79E-06	7.59E-07
1066 490429.25, 3859915.26	3.35E-03	1.06E-06	4.48E-07	3.61E-03	1.14E-06	4.83E-07	5.68E-03	1.79E-06	7.61E-07
1067 490451.43, 3859872.59	3.47E-03	1.10E-06	4.65E-07	3.74E-03	1.18E-06	5.01E-07	5.89E-03	1.86E-06	7.89E-07
1068 490501.43, 3859872.59	3.49E-03	1.10E-06	4.67E-07	3.76E-03	1.19E-06	5.04E-07	5.92E-03	1.87E-06	7.93E-07
1069 490551.43, 3859872.59	3.51E-03	1.11E-06	4.70E-07	3.79E-03	1.19E-06	5.07E-07	5.96E-03	1.88E-06	7.98E-07
1070 490601.43, 3859872.59	3.53E-03	1.12E-06	4.73E-07	3.81E-03	1.20E-06	5.10E-07	6.00E-03	1.89E-06	8.03E-07
1071 490451.43, 3859922.59	3.33E-03	1.05E-06	4.46E-07	3.59E-03	1.13E-06	4.81E-07	5.66E-03	1.79E-06	7.57E-07
1072 490501.43, 3859922.59	3.34E-03	1.06E-06	4.48E-07	3.60E-03	1.14E-06	4.83E-07	5.68E-03	1.79E-06	7.60E-07
1073 490551.43, 3859922.59	3.36E-03	1.06E-06	4.50E-07	3.62E-03	1.14E-06	4.85E-07	5.71E-03	1.80E-06	7.64E-07
1074 490601.43, 3859922.59	3.38E-03	1.07E-06	4.53E-07	3.65E-03	1.15E-06	4.89E-07	5.75E-03	1.81E-06	7.70E-07
1075 482129.67, 3852241.07	1.45E-03	4.57E-07	1.94E-07	1.56E-03	4.92E-07	2.09E-07	2.43E-03	7.67E-07	3.25E-07
1076 482029.67, 3852291.07	1.55E-03	4.89E-07	2.08E-07	1.67E-03	5.27E-07	2.24E-07	2.61E-03	8.23E-07	3.49E-07
1077 482079.67, 3852291.07	1.53E-03	4.84E-07	2.05E-07	1.65E-03	5.21E-07	2.21E-07	2.58E-03	8.13E-07	3.45E-07
1078 482129.67, 3852291.07	1.51E-03	4.77E-07	2.02E-07	1.63E-03	5.14E-07	2.18E-07	2.54E-03	8.02E-07	3.40E-07
1079 482179.67, 3852291.07	1.48E-03	4.66E-07	1.98E-07	1.59E-03	5.02E-07	2.13E-07	2.48E-03	7.82E-07	3.32E-07
1080 482229.67, 3852291.07	1.44E-03	4.55E-07	1.93E-07	1.55E-03	4.90E-07	2.08E-07	2.42E-03	7.65E-07	3.25E-07
1081 482029.67, 3852341.07	1.61E-03	5.07E-07	2.15E-07	1.73E-03	5.46E-07	2.32E-07	2.70E-03	8.53E-07	3.62E-07
1082 482079.67, 3852341.07	1.59E-03	5.01E-07	2.13E-07	1.71E-03	5.39E-07	2.29E-07	2.67E-03	8.42E-07	3.57E-07
1083 482129.67, 3852341.07	1.57E-03	4.95E-07	2.10E-07	1.69E-03	5.33E-07	2.26E-07	2.64E-03	8.32E-07	3.53E-07
1084 482179.67, 3852341.07	1.55E-03	4.88E-07	2.07E-07	1.67E-03	5.26E-07	2.23E-07	2.60E-03	8.20E-07	3.48E-07
1085 482259.06, 3852400.14	1.59E-03	5.03E-07	2.13E-07	1.72E-03	5.41E-07	2.30E-07	2.67E-03	8.43E-07	3.58E-07
1086 482309.06, 3852400.14	1.55E-03	4.91E-07	2.08E-07	1.67E-03	5.28E-07	2.24E-07	2.61E-03	8.22E-07	3.49E-07
1087 482209.06, 3852450.14	1.67E-03	5.27E-07	2.24E-07	1.80E-03	5.67E-07	2.41E-07	2.80E-03	8.84E-07	3.75E-07
1088 482259.06, 3852450.14	1.65E-03	5.21E-07	2.21E-07	1.78E-03	5.61E-07	2.38E-07	2.77E-03	8.74E-07	3.71E-07
1089 482309.06, 3852450.14	1.63E-03	5.14E-07	2.18E-07	1.75E-03	5.54E-07	2.35E-07	2.73E-03	8.62E-07	3.66E-07
1090 482209.06, 3852500.14	1.73E-03	5.46E-07	2.32E-07	1.86E-03	5.88E-07	2.49E-07	2.90E-03	9.16E-07	3.89E-07
1091 482259.06, 3852500.14	1.71E-03	5.40E-07	2.29E-07	1.84E-03	5.81E-07	2.47E-07	2.87E-03	9.06E-07	3.84E-07
1092 482309.06, 3852500.14	1.69E-03	5.34E-07	2.26E-07	1.82E-03	5.75E-07	2.44E-07	2.84E-03	8.95E-07	3.80E-07
1093 482283.91, 3852513.62	1.72E-03	5.42E-07	2.30E-07	1.85E-03	5.84E-07	2.48E-07	2.88E-03	9.09E-07	3.86E-07
1094 482333.91, 3852513.62	1.70E-03	5.37E-07	2.28E-07	1.83E-03	5.78E-07	2.45E-07	2.85E-03	8.99E-07	3.82E-07

1095	482283.91, 3852563.62	1.78E-03	5.63E-07	2.39E-07	1.92E-03	6.06E-07	2.57E-07	2.99E-03	9.43E-07	4.00E-07
1096	482333.91, 3852563.62	1.77E-03	5.57E-07	2.36E-07	1.90E-03	6.00E-07	2.55E-07	2.96E-03	9.34E-07	3.96E-07
1097	482383.91, 3852563.62	1.75E-03	5.53E-07	2.35E-07	1.88E-03	5.95E-07	2.52E-07	2.93E-03	9.25E-07	3.93E-07
1098	482283.91, 3852613.62	1.85E-03	5.84E-07	2.48E-07	1.99E-03	6.29E-07	2.67E-07	3.10E-03	9.79E-07	4.15E-07
1099	482333.91, 3852613.62	1.83E-03	5.78E-07	2.45E-07	1.97E-03	6.22E-07	2.64E-07	3.07E-03	9.68E-07	4.11E-07
1100	482383.91, 3852613.62	1.82E-03	5.73E-07	2.43E-07	1.96E-03	6.17E-07	2.62E-07	3.04E-03	9.60E-07	4.07E-07
1101	482602.38, 3852600.87	1.72E-03	5.44E-07	2.31E-07	1.86E-03	5.86E-07	2.49E-07	2.89E-03	9.13E-07	3.87E-07
1102	482652.38, 3852600.87	1.71E-03	5.40E-07	2.29E-07	1.84E-03	5.82E-07	2.47E-07	2.87E-03	9.07E-07	3.85E-07
1103	482702.38, 3852600.87	1.67E-03	5.26E-07	2.23E-07	1.80E-03	5.67E-07	2.41E-07	2.81E-03	8.86E-07	3.76E-07
1104	482552.38, 3852650.87	1.83E-03	5.77E-07	2.45E-07	1.97E-03	6.21E-07	2.64E-07	3.06E-03	9.67E-07	4.10E-07
1105	482602.38, 3852650.87	1.81E-03	5.70E-07	2.42E-07	1.94E-03	6.14E-07	2.60E-07	3.02E-03	9.54E-07	4.05E-07
1106	482652.38, 3852650.87	1.80E-03	5.67E-07	2.41E-07	1.93E-03	6.10E-07	2.59E-07	3.01E-03	9.50E-07	4.03E-07
1107	482702.38, 3852650.87	1.78E-03	5.63E-07	2.39E-07	1.92E-03	6.06E-07	2.57E-07	2.99E-03	9.43E-07	4.00E-07
1108	482552.38, 3852700.87	1.90E-03	6.00E-07	2.54E-07	2.05E-03	6.45E-07	2.74E-07	3.18E-03	1.00E-06	4.26E-07
1109	482602.38, 3852700.87	1.90E-03	5.99E-07	2.54E-07	2.04E-03	6.44E-07	2.73E-07	3.17E-03	1.00E-06	4.25E-07
1110	482652.38, 3852700.87	1.90E-03	5.99E-07	2.54E-07	2.04E-03	6.45E-07	2.73E-07	3.17E-03	1.00E-06	4.25E-07
1111	482702.38, 3852700.87	1.89E-03	5.95E-07	2.53E-07	2.03E-03	6.41E-07	2.72E-07	3.16E-03	9.96E-07	4.23E-07
1112	482452.38, 3852750.87	1.99E-03	6.29E-07	2.67E-07	2.15E-03	6.77E-07	2.87E-07	3.34E-03	1.05E-06	4.47E-07
1113	482521.29, 3852749.74	1.98E-03	6.25E-07	2.65E-07	2.13E-03	6.72E-07	2.85E-07	3.31E-03	1.05E-06	4.43E-07
1114	482571.29, 3852749.74	1.97E-03	6.23E-07	2.64E-07	2.12E-03	6.70E-07	2.84E-07	3.30E-03	1.04E-06	4.42E-07
1115	482521.29, 3852799.74	2.06E-03	6.49E-07	2.75E-07	2.21E-03	6.98E-07	2.96E-07	3.44E-03	1.09E-06	4.60E-07
1116	482571.29, 3852799.74	2.05E-03	6.48E-07	2.75E-07	2.21E-03	6.97E-07	2.96E-07	3.43E-03	1.08E-06	4.60E-07
1117	482621.29, 3852799.74	2.05E-03	6.47E-07	2.75E-07	2.21E-03	6.97E-07	2.96E-07	3.43E-03	1.08E-06	4.59E-07
1118	482571.29, 3852849.74	2.13E-03	6.73E-07	2.86E-07	2.30E-03	7.25E-07	3.07E-07	3.57E-03	1.13E-06	4.78E-07
1119	482621.29, 3852849.74	2.13E-03	6.73E-07	2.86E-07	2.30E-03	7.24E-07	3.07E-07	3.57E-03	1.13E-06	4.77E-07
1120	482577.42, 3852901.55	2.22E-03	7.02E-07	2.98E-07	2.39E-03	7.56E-07	3.21E-07	3.72E-03	1.17E-06	4.98E-07
1121	482627.42, 3852901.55	2.22E-03	7.02E-07	2.98E-07	2.39E-03	7.55E-07	3.21E-07	3.72E-03	1.17E-06	4.98E-07
1122	482629.96, 3852955.85	2.33E-03	7.35E-07	3.12E-07	2.51E-03	7.91E-07	3.35E-07	3.89E-03	1.23E-06	5.21E-07
1123	482679.96, 3852955.85	2.33E-03	7.35E-07	3.12E-07	2.51E-03	7.91E-07	3.36E-07	3.89E-03	1.23E-06	5.21E-07
1124	482781.63, 3853034.48	2.48E-03	7.83E-07	3.32E-07	2.67E-03	8.42E-07	3.57E-07	4.14E-03	1.31E-06	5.54E-07
1125	482831.63, 3853034.48	2.45E-03	7.72E-07	3.28E-07	2.63E-03	8.31E-07	3.53E-07	4.09E-03	1.29E-06	5.47E-07
1126	482881.63, 3853034.48	2.41E-03	7.61E-07	3.23E-07	2.60E-03	8.19E-07	3.48E-07	4.03E-03	1.27E-06	5.39E-07
1127	482781.63, 3853084.48	2.61E-03	8.23E-07	3.49E-07	2.81E-03	8.86E-07	3.76E-07	4.35E-03	1.37E-06	5.82E-07
1128	482831.63, 3853084.48	2.58E-03	8.13E-07	3.45E-07	2.77E-03	8.74E-07	3.71E-07	4.29E-03	1.36E-06	5.75E-07
1129	482881.63, 3853084.48	2.54E-03	8.01E-07	3.40E-07	2.73E-03	8.62E-07	3.66E-07	4.23E-03	1.34E-06	5.67E-07
1130	482781.63, 3853134.48	2.75E-03	8.69E-07	3.69E-07	2.96E-03	9.34E-07	3.96E-07	4.58E-03	1.44E-06	6.13E-07
1131	482831.63, 3853134.48	2.72E-03	8.58E-07	3.64E-07	2.93E-03	9.23E-07	3.92E-07	4.53E-03	1.43E-06	6.06E-07
1132	482881.63, 3853134.48	2.68E-03	8.46E-07	3.59E-07	2.88E-03	9.10E-07	3.86E-07	4.46E-03	1.41E-06	5.98E-07
1133	482831.63, 3853184.48	2.88E-03	9.09E-07	3.86E-07	3.10E-03	9.78E-07	4.15E-07	4.78E-03	1.51E-06	6.40E-07
1134	482881.63, 3853184.48	2.84E-03	8.96E-07	3.80E-07	3.05E-03	9.64E-07	4.09E-07	4.72E-03	1.49E-06	6.32E-07
1135	484154.84, 3854250.98	9.56E-03	3.02E-06	1.28E-06	1.04E-02	3.28E-06	1.39E-06	1.71E-02	5.40E-06	2.29E-06
1136	484204.84, 3854250.98	9.29E-03	2.93E-06	1.24E-06	1.01E-02	3.18E-06	1.35E-06	1.66E-02	5.24E-06	2.22E-06
1137	484154.84, 3854300.98	9.91E-03	3.13E-06	1.33E-06	1.08E-02	3.40E-06	1.44E-06	1.77E-02	5.59E-06	2.37E-06
1138	484204.84, 3854300.98	9.75E-03	3.08E-06	1.31E-06	1.06E-02	3.34E-06	1.42E-06	1.74E-02	5.49E-06	2.33E-06
1139	484074.19, 3854519.8	1.47E-02	4.64E-06	1.97E-06	1.59E-02	5.02E-06	2.13E-06	2.58E-02	8.15E-06	3.46E-06
1140	484124.19, 3854519.8	1.40E-02	4.41E-06	1.87E-06	1.51E-02	4.77E-06	2.02E-06	2.45E-02	7.74E-06	3.28E-06
1141	484074.19, 3854569.8	1.63E-02	5.14E-06	2.18E-06	1.76E-02	5.56E-06	2.36E-06	2.84E-02	8.97E-06	3.81E-06
1142	484124.19, 3854569.8	1.53E-02	4.83E-06	2.05E-06	1.65E-02	5.22E-06	2.21E-06	2.67E-02	8.42E-06	3.57E-06
1143	485205.11, 3855188.89	2.66E-02	8.40E-06	3.56E-06	2.86E-02	9.04E-06	3.84E-06	4.46E-02	1.41E-05	5.98E-06
1144	485255.11, 3855188.89	2.51E-02	7.93E-06	3.36E-06	2.70E-02	8.53E-06	3.62E-06	4.22E-02	1.33E-05	5.64E-06
1145	485205.11, 3855238.89	2.77E-02	8.74E-06	3.71E-06	2.98E-02	9.41E-06	3.99E-06	4.64E-02	1.47E-05	6.22E-06
1146	485255.11, 3855238.89	2.67E-02	8.44E-06	3.58E-06	2.88E-02	9.08E-06	3.85E-06	4.49E-02	1.42E-05	6.01E-06
1147	485205.11, 3855288.89	3.10E-02	9.77E-06	4.15E-06	3.33E-02	1.05E-05	4.46E-06	5.19E-02	1.64E-05	6.96E-06
1148	485255.11, 3855288.89	2.94E-02	9.28E-06	3.94E-06	3.17E-02	1.00E-05	4.24E-06	4.94E-02	1.56E-05	6.61E-06
1149	485255.11, 3855338.89	3.24E-02	1.02E-05	4.34E-06	3.49E-02	1.10E-05	4.67E-06	5.45E-02	1.72E-05	7.29E-06
1150	485305.11, 3855338.89	3.06E-02	9.67E-06	4.10E-06	3.30E-02	1.04E-05	4.42E-06	5.15E-02	1.63E-05	6.90E-06
1151	485852.5, 3855635.28	2.95E-02	9.31E-06	3.95E-06	3.18E-02	1.00E-05	4.26E-06	5.02E-02	1.58E-05	6.72E-06
1152	485902.5, 3855635.28	2.81E-02	8.87E-06	3.76E-06	3.03E-02	9.56E-06	4.06E-06	4.78E-02	1.51E-05	6.40E-06
1153	485852.5, 3855685.28	3.10E-02	9.79E-06	4.16E-06	3.35E-02	1.06E-05	4.48E-06	5.29E-02	1.67E-05	7.08E-06
1154	485902.5, 3855685.28	2.95E-02	9.31E-06	3.95E-06	3.18E-02	1.00E-05	4.26E-06	5.03E-02	1.59E-05	6.73E-06
1155	485852.5, 3855735.28	3.27E-02	1.03E-05	4.38E-06	3.53E-02	1.11E-05	4.72E-06	5.58E-02	1.76E-05	7.47E-06

1156	485902.5, 3855735.28	3.13E-02	9.88E-06	4.19E-06	3.38E-02	1.07E-05	4.52E-06	5.34E-02	1.69E-05	7.15E-06
1157	485852.5, 3855785.28	3.48E-02	1.10E-05	4.66E-06	3.76E-02	1.19E-05	5.03E-06	5.95E-02	1.88E-05	7.97E-06
1158	485902.5, 3855785.28	3.28E-02	1.04E-05	4.40E-06	3.54E-02	1.12E-05	4.74E-06	5.61E-02	1.77E-05	7.51E-06
1159	486809.46, 3856465.28	3.30E-02	1.04E-05	4.42E-06	3.57E-02	1.13E-05	4.78E-06	5.70E-02	1.80E-05	7.64E-06
1160	486859.46, 3856465.28	3.24E-02	1.02E-05	4.33E-06	3.50E-02	1.10E-05	4.68E-06	5.59E-02	1.76E-05	7.48E-06
1161	486909.46, 3856465.28	3.16E-02	9.98E-06	4.23E-06	3.42E-02	1.08E-05	4.57E-06	5.46E-02	1.72E-05	7.31E-06
1162	486809.46, 3856515.28	3.46E-02	1.09E-05	4.63E-06	3.74E-02	1.18E-05	5.01E-06	5.98E-02	1.89E-05	8.00E-06
1163	486859.46, 3856515.28	3.40E-02	1.07E-05	4.55E-06	3.67E-02	1.16E-05	4.91E-06	5.87E-02	1.85E-05	7.86E-06
1164	486909.46, 3856515.28	3.32E-02	1.05E-05	4.45E-06	3.59E-02	1.13E-05	4.81E-06	5.74E-02	1.81E-05	7.68E-06
1165	486980.94, 3856357.95	2.81E-02	8.86E-06	3.76E-06	3.03E-02	9.57E-06	4.06E-06	4.84E-02	1.53E-05	6.48E-06
1166	487030.94, 3856357.95	2.76E-02	8.70E-06	3.69E-06	2.98E-02	9.40E-06	3.99E-06	4.75E-02	1.50E-05	6.36E-06
1167	486980.94, 3856407.95	2.93E-02	9.25E-06	3.93E-06	3.17E-02	1.00E-05	4.24E-06	5.06E-02	1.60E-05	6.78E-06
1168	487030.94, 3856407.95	2.87E-02	9.07E-06	3.85E-06	3.10E-02	9.80E-06	4.16E-06	4.96E-02	1.56E-05	6.64E-06
1169	487447.18, 3856437.45	2.54E-02	8.01E-06	3.40E-06	2.74E-02	8.65E-06	3.67E-06	4.38E-02	1.38E-05	5.86E-06
1170	487497.18, 3856437.45	2.50E-02	7.88E-06	3.34E-06	2.70E-02	8.52E-06	3.61E-06	4.31E-02	1.36E-05	5.77E-06
1171	487547.18, 3856437.45	2.46E-02	7.76E-06	3.29E-06	2.66E-02	8.39E-06	3.56E-06	4.24E-02	1.34E-05	5.68E-06
1172	487447.18, 3856487.45	2.63E-02	8.31E-06	3.52E-06	2.84E-02	8.97E-06	3.81E-06	4.54E-02	1.43E-05	6.08E-06
1173	487497.18, 3856487.45	2.59E-02	8.16E-06	3.46E-06	2.79E-02	8.82E-06	3.74E-06	4.46E-02	1.41E-05	5.97E-06
1174	487547.18, 3856487.45	2.55E-02	8.04E-06	3.41E-06	2.75E-02	8.68E-06	3.68E-06	4.39E-02	1.39E-05	5.88E-06
1175	487447.18, 3856537.45	2.73E-02	8.61E-06	3.65E-06	2.95E-02	9.30E-06	3.95E-06	4.71E-02	1.49E-05	6.31E-06
1176	487497.18, 3856537.45	2.68E-02	8.45E-06	3.59E-06	2.89E-02	9.13E-06	3.88E-06	4.62E-02	1.46E-05	6.19E-06
1177	487547.18, 3856537.45	2.64E-02	8.32E-06	3.53E-06	2.85E-02	8.99E-06	3.82E-06	4.55E-02	1.44E-05	6.09E-06
1178	489285.89, 3858826.54	1.20E-02	3.80E-06	1.61E-06	1.29E-02	4.06E-06	1.72E-06	1.91E-02	6.02E-06	2.55E-06
1179	489335.89, 3858826.54	1.17E-02	3.70E-06	1.57E-06	1.25E-02	3.96E-06	1.68E-06	1.87E-02	5.91E-06	2.51E-06
1180	489385.89, 3858826.54	1.14E-02	3.61E-06	1.53E-06	1.23E-02	3.87E-06	1.64E-06	1.84E-02	5.81E-06	2.47E-06
1181	489435.89, 3858826.54	1.12E-02	3.54E-06	1.50E-06	1.20E-02	3.79E-06	1.61E-06	1.81E-02	5.72E-06	2.43E-06
1182	489485.89, 3858826.54	1.10E-02	3.47E-06	1.47E-06	1.18E-02	3.72E-06	1.58E-06	1.79E-02	5.64E-06	2.39E-06
1183	489535.89, 3858826.54	1.08E-02	3.40E-06	1.44E-06	1.16E-02	3.65E-06	1.55E-06	1.76E-02	5.56E-06	2.36E-06
1184	489585.89, 3858826.54	1.06E-02	3.34E-06	1.42E-06	1.14E-02	3.59E-06	1.52E-06	1.74E-02	5.48E-06	2.33E-06
1185	489635.89, 3858826.54	1.04E-02	3.29E-06	1.39E-06	1.12E-02	3.53E-06	1.50E-06	1.72E-02	5.41E-06	2.30E-06
1186	489685.89, 3858826.54	1.02E-02	3.24E-06	1.37E-06	1.10E-02	3.48E-06	1.48E-06	1.69E-02	5.34E-06	2.27E-06
1187	489735.89, 3858826.54	1.01E-02	3.19E-06	1.35E-06	1.09E-02	3.42E-06	1.45E-06	1.67E-02	5.28E-06	2.24E-06
1188	489785.89, 3858826.54	9.94E-03	3.14E-06	1.33E-06	1.07E-02	3.38E-06	1.43E-06	1.65E-02	5.21E-06	2.21E-06
1189	489835.89, 3858826.54	9.80E-03	3.09E-06	1.31E-06	1.05E-02	3.33E-06	1.41E-06	1.63E-02	5.15E-06	2.19E-06
1190	489885.89, 3858826.54	9.67E-03	3.05E-06	1.29E-06	1.04E-02	3.28E-06	1.39E-06	1.61E-02	5.09E-06	2.16E-06
1191	489935.89, 3858826.54	9.53E-03	3.01E-06	1.28E-06	1.03E-02	3.24E-06	1.37E-06	1.59E-02	5.03E-06	2.13E-06
1192	489985.89, 3858826.54	9.41E-03	2.97E-06	1.26E-06	1.01E-02	3.20E-06	1.36E-06	1.58E-02	4.97E-06	2.11E-06
1193	490035.89, 3858826.54	9.29E-03	2.93E-06	1.24E-06	1.00E-02	3.16E-06	1.34E-06	1.56E-02	4.92E-06	2.09E-06
1194	489285.89, 3858876.54	1.12E-02	3.55E-06	1.51E-06	1.20E-02	3.80E-06	1.61E-06	1.78E-02	5.62E-06	2.39E-06
1195	489335.89, 3858876.54	1.10E-02	3.46E-06	1.47E-06	1.17E-02	3.71E-06	1.57E-06	1.75E-02	5.53E-06	2.35E-06
1196	489385.89, 3858876.54	1.07E-02	3.39E-06	1.44E-06	1.15E-02	3.63E-06	1.54E-06	1.73E-02	5.45E-06	2.31E-06
1197	489435.89, 3858876.54	1.05E-02	3.32E-06	1.41E-06	1.13E-02	3.56E-06	1.51E-06	1.70E-02	5.38E-06	2.28E-06
1198	489485.89, 3858876.54	1.03E-02	3.26E-06	1.38E-06	1.11E-02	3.50E-06	1.49E-06	1.68E-02	5.31E-06	2.25E-06
1199	489535.89, 3858876.54	1.02E-02	3.21E-06	1.36E-06	1.09E-02	3.44E-06	1.46E-06	1.66E-02	5.24E-06	2.22E-06
1200	489585.89, 3858876.54	1.00E-02	3.16E-06	1.34E-06	1.07E-02	3.39E-06	1.44E-06	1.64E-02	5.18E-06	2.20E-06
1201	489635.89, 3858876.54	9.86E-03	3.11E-06	1.32E-06	1.06E-02	3.34E-06	1.42E-06	1.62E-02	5.12E-06	2.17E-06
1202	489685.89, 3858876.54	9.71E-03	3.07E-06	1.30E-06	1.04E-02	3.29E-06	1.40E-06	1.60E-02	5.06E-06	2.15E-06
1203	489735.89, 3858876.54	9.58E-03	3.02E-06	1.28E-06	1.03E-02	3.25E-06	1.38E-06	1.59E-02	5.01E-06	2.12E-06
1204	489785.89, 3858876.54	9.45E-03	2.98E-06	1.27E-06	1.02E-02	3.21E-06	1.36E-06	1.57E-02	4.95E-06	2.10E-06
1205	489835.89, 3858876.54	9.33E-03	2.94E-06	1.25E-06	1.00E-02	3.17E-06	1.34E-06	1.55E-02	4.90E-06	2.08E-06
1206	489885.89, 3858876.54	9.21E-03	2.91E-06	1.23E-06	9.90E-03	3.13E-06	1.33E-06	1.53E-02	4.84E-06	2.05E-06
1207	489935.89, 3858876.54	9.09E-03	2.87E-06	1.22E-06	9.78E-03	3.09E-06	1.31E-06	1.52E-02	4.79E-06	2.03E-06
1208	489985.89, 3858876.54	8.98E-03	2.83E-06	1.20E-06	9.67E-03	3.05E-06	1.29E-06	1.50E-02	4.74E-06	2.01E-06
1209	490035.89, 3858876.54	8.88E-03	2.80E-06	1.19E-06	9.55E-03	3.02E-06	1.28E-06	1.49E-02	4.70E-06	1.99E-06
1210	489285.89, 3858926.54	1.04E-02	3.28E-06	1.39E-06	1.11E-02	3.51E-06	1.49E-06	1.65E-02	5.22E-06	2.21E-06
1211	489335.89, 3858926.54	1.02E-02	3.22E-06	1.37E-06	1.09E-02	3.45E-06	1.46E-06	1.63E-02	5.15E-06	2.19E-06
1212	489385.89, 3858926.54	1.00E-02	3.16E-06	1.34E-06	1.07E-02	3.39E-06	1.44E-06	1.61E-02	5.09E-06	2.16E-06
1213	489435.89, 3858926.54	9.85E-03	3.11E-06	1.32E-06	1.06E-02	3.33E-06	1.41E-06	1.60E-02	5.04E-06	2.14E-06
1214	489485.89, 3858926.54	9.70E-03	3.06E-06	1.30E-06	1.04E-02	3.28E-06	1.39E-06	1.58E-02	4.98E-06	2.11E-06
1215	489535.89, 3858926.54	9.56E-03	3.02E-06	1.28E-06	1.03E-02	3.24E-06	1.37E-06	1.56E-02	4.93E-06	2.09E-06
1216	489585.89, 3858926.54	9.43E-03	2.97E-06	1.26E-06	1.01E-02	3.19E-06	1.36E-06	1.55E-02	4.88E-06	2.07E-06

1217	489635.89, 3858926.54	9.30E-03	2.94E-06	1.25E-06	9.99E-03	3.15E-06	1.34E-06	1.53E-02	4.83E-06	2.05E-06
1218	489685.89, 3858926.54	9.19E-03	2.90E-06	1.23E-06	9.87E-03	3.12E-06	1.32E-06	1.52E-02	4.79E-06	2.03E-06
1219	489735.89, 3858926.54	9.07E-03	2.86E-06	1.21E-06	9.75E-03	3.08E-06	1.31E-06	1.50E-02	4.74E-06	2.01E-06
1220	489785.89, 3858926.54	8.96E-03	2.83E-06	1.20E-06	9.64E-03	3.04E-06	1.29E-06	1.49E-02	4.69E-06	1.99E-06
1221	489835.89, 3858926.54	8.86E-03	2.80E-06	1.19E-06	9.53E-03	3.01E-06	1.28E-06	1.47E-02	4.65E-06	1.97E-06
1222	489885.89, 3858926.54	8.76E-03	2.76E-06	1.17E-06	9.42E-03	2.97E-06	1.26E-06	1.46E-02	4.61E-06	1.95E-06
1223	489935.89, 3858926.54	8.66E-03	2.73E-06	1.16E-06	9.32E-03	2.94E-06	1.25E-06	1.45E-02	4.56E-06	1.94E-06
1224	489985.89, 3858926.54	8.56E-03	2.70E-06	1.15E-06	9.22E-03	2.91E-06	1.23E-06	1.43E-02	4.52E-06	1.92E-06
1225	490035.89, 3858926.54	8.47E-03	2.67E-06	1.13E-06	9.12E-03	2.88E-06	1.22E-06	1.42E-02	4.48E-06	1.90E-06
1226	489335.89, 3858976.54	9.41E-03	2.97E-06	1.26E-06	1.01E-02	3.18E-06	1.35E-06	1.51E-02	4.78E-06	2.03E-06
1227	489385.89, 3858976.54	9.29E-03	2.93E-06	1.24E-06	9.96E-03	3.14E-06	1.33E-06	1.50E-02	4.74E-06	2.01E-06
1228	489435.89, 3858976.54	9.17E-03	2.90E-06	1.23E-06	9.84E-03	3.11E-06	1.32E-06	1.49E-02	4.70E-06	2.00E-06
1229	489485.89, 3858976.54	9.06E-03	2.86E-06	1.21E-06	9.73E-03	3.07E-06	1.30E-06	1.48E-02	4.67E-06	1.98E-06
1230	489535.89, 3858976.54	8.96E-03	2.83E-06	1.20E-06	9.62E-03	3.04E-06	1.29E-06	1.47E-02	4.63E-06	1.96E-06
1231	489585.89, 3858976.54	8.86E-03	2.80E-06	1.19E-06	9.51E-03	3.00E-06	1.27E-06	1.46E-02	4.59E-06	1.95E-06
1232	489635.89, 3858976.54	8.76E-03	2.77E-06	1.17E-06	9.41E-03	2.97E-06	1.26E-06	1.44E-02	4.56E-06	1.93E-06
1233	489685.89, 3858976.54	8.67E-03	2.74E-06	1.16E-06	9.32E-03	2.94E-06	1.25E-06	1.43E-02	4.52E-06	1.92E-06
1234	489735.89, 3858976.54	8.58E-03	2.71E-06	1.15E-06	9.22E-03	2.91E-06	1.23E-06	1.42E-02	4.48E-06	1.90E-06
1235	489785.89, 3858976.54	8.49E-03	2.68E-06	1.14E-06	9.13E-03	2.88E-06	1.22E-06	1.41E-02	4.45E-06	1.89E-06
1236	489835.89, 3858976.54	8.40E-03	2.65E-06	1.12E-06	9.03E-03	2.85E-06	1.21E-06	1.40E-02	4.41E-06	1.87E-06
1237	489885.89, 3858976.54	8.32E-03	2.63E-06	1.11E-06	8.95E-03	2.82E-06	1.20E-06	1.39E-02	4.38E-06	1.86E-06
1238	489935.89, 3858976.54	8.24E-03	2.60E-06	1.10E-06	8.87E-03	2.80E-06	1.19E-06	1.38E-02	4.34E-06	1.84E-06
1239	489985.89, 3858976.54	8.16E-03	2.57E-06	1.09E-06	8.78E-03	2.77E-06	1.18E-06	1.36E-02	4.31E-06	1.83E-06
1240	490035.89, 3858976.54	8.09E-03	2.55E-06	1.08E-06	8.71E-03	2.75E-06	1.17E-06	1.36E-02	4.28E-06	1.82E-06
1241	489385.89, 3859026.54	8.60E-03	2.71E-06	1.15E-06	9.22E-03	2.91E-06	1.23E-06	1.40E-02	4.41E-06	1.87E-06
1242	489435.89, 3859026.54	8.53E-03	2.69E-06	1.14E-06	9.15E-03	2.89E-06	1.23E-06	1.39E-02	4.39E-06	1.86E-06
1243	489485.89, 3859026.54	8.46E-03	2.67E-06	1.13E-06	9.08E-03	2.86E-06	1.22E-06	1.38E-02	4.37E-06	1.85E-06
1244	489535.89, 3859026.54	8.38E-03	2.65E-06	1.12E-06	9.00E-03	2.84E-06	1.21E-06	1.38E-02	4.34E-06	1.84E-06
1245	489585.89, 3859026.54	8.31E-03	2.62E-06	1.11E-06	8.93E-03	2.82E-06	1.20E-06	1.37E-02	4.32E-06	1.83E-06
1246	489635.89, 3859026.54	8.24E-03	2.60E-06	1.10E-06	8.86E-03	2.80E-06	1.19E-06	1.36E-02	4.29E-06	1.82E-06
1247	489685.89, 3859026.54	8.17E-03	2.58E-06	1.09E-06	8.78E-03	2.77E-06	1.18E-06	1.35E-02	4.27E-06	1.81E-06
1248	489735.89, 3859026.54	8.10E-03	2.56E-06	1.08E-06	8.71E-03	2.75E-06	1.17E-06	1.34E-02	4.24E-06	1.80E-06
1249	489785.89, 3859026.54	8.03E-03	2.53E-06	1.08E-06	8.63E-03	2.73E-06	1.16E-06	1.33E-02	4.21E-06	1.79E-06
1250	489835.89, 3859026.54	7.96E-03	2.51E-06	1.07E-06	8.57E-03	2.70E-06	1.15E-06	1.33E-02	4.19E-06	1.78E-06
1251	489885.89, 3859026.54	7.90E-03	2.49E-06	1.06E-06	8.50E-03	2.68E-06	1.14E-06	1.32E-02	4.16E-06	1.76E-06
1252	489935.89, 3859026.54	7.83E-03	2.47E-06	1.05E-06	8.43E-03	2.66E-06	1.13E-06	1.31E-02	4.13E-06	1.75E-06
1253	489985.89, 3859026.54	7.77E-03	2.45E-06	1.04E-06	8.36E-03	2.64E-06	1.12E-06	1.30E-02	4.10E-06	1.74E-06
1254	490035.89, 3859026.54	7.71E-03	2.43E-06	1.03E-06	8.30E-03	2.62E-06	1.11E-06	1.29E-02	4.08E-06	1.73E-06
1255	489485.89, 3859076.54	7.88E-03	2.49E-06	1.05E-06	8.46E-03	2.67E-06	1.13E-06	1.29E-02	4.09E-06	1.73E-06
1256	489535.89, 3859076.54	7.84E-03	2.47E-06	1.05E-06	8.42E-03	2.66E-06	1.13E-06	1.29E-02	4.08E-06	1.73E-06
1257	489585.89, 3859076.54	7.79E-03	2.46E-06	1.04E-06	8.37E-03	2.64E-06	1.12E-06	1.29E-02	4.06E-06	1.72E-06
1258	489635.89, 3859076.54	7.74E-03	2.44E-06	1.04E-06	8.32E-03	2.63E-06	1.11E-06	1.28E-02	4.04E-06	1.72E-06
1259	489685.89, 3859076.54	7.69E-03	2.43E-06	1.03E-06	8.27E-03	2.61E-06	1.11E-06	1.28E-02	4.03E-06	1.71E-06
1260	489735.89, 3859076.54	7.64E-03	2.41E-06	1.02E-06	8.22E-03	2.59E-06	1.10E-06	1.27E-02	4.01E-06	1.70E-06
1261	489785.89, 3859076.54	7.59E-03	2.40E-06	1.02E-06	8.16E-03	2.58E-06	1.09E-06	1.26E-02	3.99E-06	1.69E-06
1262	489835.89, 3859076.54	7.54E-03	2.38E-06	1.01E-06	8.11E-03	2.56E-06	1.09E-06	1.26E-02	3.97E-06	1.68E-06
1263	489885.89, 3859076.54	7.49E-03	2.36E-06	1.00E-06	8.06E-03	2.54E-06	1.08E-06	1.25E-02	3.95E-06	1.67E-06
1264	489935.89, 3859076.54	7.44E-03	2.35E-06	9.96E-07	8.01E-03	2.53E-06	1.07E-06	1.24E-02	3.93E-06	1.67E-06
1265	489985.89, 3859076.54	7.39E-03	2.33E-06	9.90E-07	7.95E-03	2.51E-06	1.07E-06	1.24E-02	3.91E-06	1.66E-06
1266	490035.89, 3859076.54	7.35E-03	2.32E-06	9.84E-07	7.91E-03	2.50E-06	1.06E-06	1.23E-02	3.89E-06	1.65E-06
1267	489585.89, 3859126.54	7.30E-03	2.30E-06	9.78E-07	7.85E-03	2.48E-06	1.05E-06	1.21E-02	3.82E-06	1.62E-06
1268	489635.89, 3859126.54	7.27E-03	2.30E-06	9.74E-07	7.82E-03	2.47E-06	1.05E-06	1.21E-02	3.81E-06	1.62E-06
1269	489685.89, 3859126.54	7.24E-03	2.29E-06	9.70E-07	7.79E-03	2.46E-06	1.04E-06	1.20E-02	3.80E-06	1.61E-06
1270	489735.89, 3859126.54	7.21E-03	2.28E-06	9.65E-07	7.75E-03	2.45E-06	1.04E-06	1.20E-02	3.79E-06	1.61E-06
1271	489785.89, 3859126.54	7.17E-03	2.26E-06	9.61E-07	7.72E-03	2.44E-06	1.03E-06	1.20E-02	3.77E-06	1.60E-06
1272	489835.89, 3859126.54	7.14E-03	2.25E-06	9.56E-07	7.68E-03	2.42E-06	1.03E-06	1.19E-02	3.76E-06	1.60E-06
1273	489885.89, 3859126.54	7.10E-03	2.24E-06	9.51E-07	7.64E-03	2.41E-06	1.02E-06	1.19E-02	3.75E-06	1.59E-06
1274	489935.89, 3859126.54	7.06E-03	2.23E-06	9.46E-07	7.60E-03	2.40E-06	1.02E-06	1.18E-02	3.73E-06	1.58E-06
1275	489985.89, 3859126.54	7.03E-03	2.22E-06	9.41E-07	7.57E-03	2.39E-06	1.01E-06	1.18E-02	3.72E-06	1.58E-06
1276	490035.89, 3859126.54	6.99E-03	2.21E-06	9.36E-07	7.53E-03	2.38E-06	1.01E-06	1.17E-02	3.71E-06	1.57E-06
1277	489585.89, 3859176.54	6.84E-03	2.16E-06	9.16E-07	7.36E-03	2.32E-06	9.85E-07	1.14E-02	3.59E-06	1.52E-06

1278	489635.89, 3859176.54	6.83E-03	2.16E-06	9.15E-07	7.35E-03	2.32E-06	9.84E-07	1.14E-02	3.58E-06	1.52E-06
1279	489685.89, 3859176.54	6.81E-03	2.15E-06	9.13E-07	7.33E-03	2.31E-06	9.82E-07	1.13E-02	3.58E-06	1.52E-06
1280	489735.89, 3859176.54	6.80E-03	2.14E-06	9.10E-07	7.31E-03	2.31E-06	9.79E-07	1.13E-02	3.57E-06	1.52E-06
1281	489785.89, 3859176.54	6.78E-03	2.14E-06	9.08E-07	7.29E-03	2.30E-06	9.77E-07	1.13E-02	3.57E-06	1.52E-06
1282	489835.89, 3859176.54	6.75E-03	2.13E-06	9.05E-07	7.27E-03	2.29E-06	9.73E-07	1.13E-02	3.56E-06	1.51E-06
1283	489885.89, 3859176.54	6.73E-03	2.12E-06	9.01E-07	7.25E-03	2.29E-06	9.70E-07	1.13E-02	3.56E-06	1.51E-06
1284	489935.89, 3859176.54	6.70E-03	2.12E-06	8.98E-07	7.22E-03	2.28E-06	9.66E-07	1.12E-02	3.55E-06	1.50E-06
1285	489985.89, 3859176.54	6.68E-03	2.11E-06	8.95E-07	7.20E-03	2.27E-06	9.63E-07	1.12E-02	3.54E-06	1.50E-06
1286	490035.89, 3859176.54	6.65E-03	2.10E-06	8.91E-07	7.16E-03	2.26E-06	9.59E-07	1.12E-02	3.53E-06	1.50E-06
1287	489685.89, 3859226.54	6.42E-03	2.03E-06	8.59E-07	6.90E-03	2.18E-06	9.24E-07	1.07E-02	3.38E-06	1.43E-06
1288	489735.89, 3859226.54	6.41E-03	2.02E-06	8.58E-07	6.90E-03	2.18E-06	9.23E-07	1.07E-02	3.38E-06	1.43E-06
1289	489785.89, 3859226.54	6.40E-03	2.02E-06	8.57E-07	6.89E-03	2.17E-06	9.23E-07	1.07E-02	3.38E-06	1.43E-06
1290	489835.89, 3859226.54	6.39E-03	2.02E-06	8.56E-07	6.88E-03	2.17E-06	9.22E-07	1.07E-02	3.38E-06	1.43E-06
1291	489885.89, 3859226.54	6.38E-03	2.01E-06	8.54E-07	6.87E-03	2.17E-06	9.20E-07	1.07E-02	3.38E-06	1.43E-06
1292	489935.89, 3859226.54	6.37E-03	2.01E-06	8.52E-07	6.85E-03	2.16E-06	9.18E-07	1.07E-02	3.37E-06	1.43E-06
1293	489985.89, 3859226.54	6.35E-03	2.01E-06	8.51E-07	6.84E-03	2.16E-06	9.16E-07	1.07E-02	3.37E-06	1.43E-06
1294	490035.89, 3859226.54	6.33E-03	2.00E-06	8.48E-07	6.82E-03	2.15E-06	9.13E-07	1.07E-02	3.36E-06	1.43E-06
1295	489735.89, 3859276.54	6.04E-03	1.91E-06	8.09E-07	6.51E-03	2.05E-06	8.71E-07	1.01E-02	3.19E-06	1.35E-06
1296	489785.89, 3859276.54	6.05E-03	1.91E-06	8.10E-07	6.51E-03	2.05E-06	8.72E-07	1.01E-02	3.19E-06	1.36E-06
1297	489835.89, 3859276.54	6.05E-03	1.91E-06	8.10E-07	6.51E-03	2.06E-06	8.72E-07	1.01E-02	3.20E-06	1.36E-06
1298	489885.89, 3859276.54	6.05E-03	1.91E-06	8.10E-07	6.51E-03	2.05E-06	8.72E-07	1.01E-02	3.20E-06	1.36E-06
1299	489935.89, 3859276.54	6.04E-03	1.91E-06	8.09E-07	6.51E-03	2.05E-06	8.71E-07	1.02E-02	3.20E-06	1.36E-06
1300	489985.89, 3859276.54	6.04E-03	1.91E-06	8.09E-07	6.51E-03	2.05E-06	8.72E-07	1.02E-02	3.21E-06	1.36E-06
1301	490035.89, 3859276.54	6.02E-03	1.90E-06	8.07E-07	6.49E-03	2.05E-06	8.69E-07	1.01E-02	3.20E-06	1.36E-06
1302	490458.06, 3859590.74	4.48E-03	1.41E-06	6.00E-07	4.83E-03	1.53E-06	6.47E-07	7.60E-03	2.40E-06	1.02E-06
1303	490508.06, 3859590.74	4.49E-03	1.42E-06	6.02E-07	4.85E-03	1.53E-06	6.49E-07	7.62E-03	2.41E-06	1.02E-06
1304	490558.06, 3859590.74	4.50E-03	1.42E-06	6.03E-07	4.85E-03	1.53E-06	6.50E-07	7.64E-03	2.41E-06	1.02E-06
1305	490608.06, 3859590.74	4.51E-03	1.42E-06	6.04E-07	4.86E-03	1.53E-06	6.51E-07	7.66E-03	2.42E-06	1.03E-06
1306	490658.06, 3859590.74	4.51E-03	1.42E-06	6.04E-07	4.86E-03	1.54E-06	6.51E-07	7.67E-03	2.42E-06	1.03E-06
1307	490708.06, 3859590.74	4.51E-03	1.42E-06	6.04E-07	4.86E-03	1.54E-06	6.51E-07	7.67E-03	2.42E-06	1.03E-06
1308	490758.06, 3859590.74	4.51E-03	1.42E-06	6.03E-07	4.86E-03	1.53E-06	6.51E-07	7.67E-03	2.42E-06	1.03E-06
1309	490808.06, 3859590.74	4.50E-03	1.42E-06	6.02E-07	4.85E-03	1.53E-06	6.50E-07	7.67E-03	2.42E-06	1.03E-06
1310	490858.06, 3859590.74	4.49E-03	1.42E-06	6.01E-07	4.84E-03	1.53E-06	6.48E-07	7.66E-03	2.42E-06	1.03E-06
1311	490458.06, 3859640.74	4.28E-03	1.35E-06	5.74E-07	4.62E-03	1.46E-06	6.18E-07	7.26E-03	2.29E-06	9.72E-07
1312	490508.06, 3859640.74	4.30E-03	1.36E-06	5.76E-07	4.63E-03	1.46E-06	6.20E-07	7.29E-03	2.30E-06	9.76E-07
1313	490558.06, 3859640.74	4.31E-03	1.36E-06	5.77E-07	4.65E-03	1.47E-06	6.22E-07	7.32E-03	2.31E-06	9.80E-07
1314	490608.06, 3859640.74	4.32E-03	1.36E-06	5.79E-07	4.66E-03	1.47E-06	6.24E-07	7.34E-03	2.32E-06	9.83E-07
1315	490658.06, 3859640.74	4.33E-03	1.37E-06	5.80E-07	4.67E-03	1.47E-06	6.26E-07	7.37E-03	2.32E-06	9.86E-07
1316	490708.06, 3859640.74	4.34E-03	1.37E-06	5.81E-07	4.68E-03	1.48E-06	6.26E-07	7.38E-03	2.33E-06	9.88E-07
1317	490758.06, 3859640.74	4.34E-03	1.37E-06	5.81E-07	4.68E-03	1.48E-06	6.27E-07	7.39E-03	2.33E-06	9.89E-07
1318	490808.06, 3859640.74	4.34E-03	1.37E-06	5.81E-07	4.68E-03	1.48E-06	6.26E-07	7.39E-03	2.33E-06	9.89E-07
1319	490858.06, 3859640.74	4.33E-03	1.37E-06	5.80E-07	4.67E-03	1.48E-06	6.26E-07	7.39E-03	2.33E-06	9.89E-07
1320	490608.06, 3859690.74	4.14E-03	1.31E-06	5.55E-07	4.47E-03	1.41E-06	5.98E-07	7.04E-03	2.22E-06	9.42E-07
1321	490658.06, 3859690.74	4.16E-03	1.31E-06	5.57E-07	4.49E-03	1.42E-06	6.01E-07	7.07E-03	2.23E-06	9.46E-07
1322	490708.06, 3859690.74	4.17E-03	1.32E-06	5.58E-07	4.50E-03	1.42E-06	6.02E-07	7.09E-03	2.24E-06	9.49E-07
1323	490758.06, 3859690.74	4.18E-03	1.32E-06	5.59E-07	4.50E-03	1.42E-06	6.03E-07	7.11E-03	2.24E-06	9.52E-07
1324	490808.06, 3859690.74	4.18E-03	1.32E-06	5.60E-07	4.51E-03	1.42E-06	6.04E-07	7.12E-03	2.25E-06	9.53E-07
1325	490858.06, 3859690.74	4.18E-03	1.32E-06	5.59E-07	4.51E-03	1.42E-06	6.03E-07	7.12E-03	2.25E-06	9.53E-07
1326	490708.06, 3859740.74	4.00E-03	1.26E-06	5.36E-07	4.32E-03	1.36E-06	5.78E-07	6.80E-03	2.15E-06	9.11E-07
1327	490758.06, 3859740.74	4.01E-03	1.27E-06	5.37E-07	4.32E-03	1.36E-06	5.79E-07	6.82E-03	2.15E-06	9.13E-07
1328	490808.06, 3859740.74	4.02E-03	1.27E-06	5.38E-07	4.33E-03	1.37E-06	5.80E-07	6.84E-03	2.16E-06	9.15E-07
1329	490858.06, 3859740.74	4.02E-03	1.27E-06	5.38E-07	4.34E-03	1.37E-06	5.81E-07	6.85E-03	2.16E-06	9.17E-07
1330	490786.56, 3859749.39	3.99E-03	1.26E-06	5.34E-07	4.30E-03	1.36E-06	5.76E-07	6.78E-03	2.14E-06	9.08E-07
1331	490836.56, 3859749.39	3.99E-03	1.26E-06	5.35E-07	4.31E-03	1.36E-06	5.77E-07	6.80E-03	2.14E-06	9.10E-07
1332	490786.56, 3859799.39	3.83E-03	1.21E-06	5.12E-07	4.13E-03	1.30E-06	5.52E-07	6.50E-03	2.05E-06	8.71E-07
1333	490836.56, 3859799.39	3.84E-03	1.21E-06	5.14E-07	4.14E-03	1.31E-06	5.54E-07	6.53E-03	2.06E-06	8.74E-07
1334	492307.84, 3854508.36	3.98E-03	1.26E-06	5.33E-07	4.30E-03	1.36E-06	5.76E-07	6.85E-03	2.16E-06	9.18E-07
1335	486445.7, 3854753.6	7.94E-03	2.51E-06	1.06E-06	8.57E-03	2.70E-06	1.15E-06	1.35E-02	4.27E-06	1.81E-06
1336	472599.75, 3877830.11	1.33E-04	4.21E-08	1.79E-08	1.44E-04	4.53E-08	1.92E-08	2.24E-04	7.08E-08	3.01E-08
1337	493107.48, 3866840.19	4.00E-04	1.26E-07	5.35E-08	4.31E-04	1.36E-07	5.77E-08	6.83E-04	2.15E-07	9.14E-08
1338	495815.8, 3861662.87	1.45E-03	4.58E-07	1.94E-07	1.57E-03	4.95E-07	2.10E-07	2.50E-03	7.89E-07	3.35E-07

1339	480272.33, 3841389.2	4.10E-05	1.29E-08	5.49E-09	4.42E-05	1.40E-08	5.92E-09	6.98E-05	2.20E-08	9.35E-09
1340	497005.18, 3862813.64	1.03E-03	3.26E-07	1.38E-07	1.12E-03	3.52E-07	1.49E-07	1.78E-03	5.62E-07	2.38E-07
1341	493677.33, 3860302.55	2.65E-03	8.35E-07	3.54E-07	2.86E-03	9.02E-07	3.83E-07	4.55E-03	1.44E-06	6.09E-07
1342	493727.33, 3860302.55	2.64E-03	8.33E-07	3.53E-07	2.85E-03	8.99E-07	3.81E-07	4.53E-03	1.43E-06	6.07E-07
1343	493777.33, 3860302.55	2.63E-03	8.30E-07	3.52E-07	2.84E-03	8.96E-07	3.80E-07	4.52E-03	1.43E-06	6.05E-07
1344	493827.33, 3860302.55	2.62E-03	8.27E-07	3.51E-07	2.83E-03	8.93E-07	3.79E-07	4.51E-03	1.42E-06	6.03E-07
1345	493877.33, 3860302.55	2.61E-03	8.24E-07	3.50E-07	2.82E-03	8.90E-07	3.78E-07	4.49E-03	1.42E-06	6.01E-07
1346	493927.33, 3860302.55	2.60E-03	8.21E-07	3.48E-07	2.81E-03	8.87E-07	3.76E-07	4.47E-03	1.41E-06	5.99E-07
1347	493977.33, 3860302.55	2.60E-03	8.19E-07	3.48E-07	2.80E-03	8.85E-07	3.75E-07	4.46E-03	1.41E-06	5.98E-07
1348	494027.33, 3860302.55	2.59E-03	8.17E-07	3.46E-07	2.79E-03	8.82E-07	3.74E-07	4.45E-03	1.40E-06	5.96E-07
1349	493677.33, 3860352.55	2.60E-03	8.19E-07	3.48E-07	2.80E-03	8.84E-07	3.75E-07	4.46E-03	1.41E-06	5.97E-07
1350	493727.33, 3860352.55	2.59E-03	8.16E-07	3.46E-07	2.79E-03	8.81E-07	3.74E-07	4.44E-03	1.40E-06	5.95E-07
1351	493777.33, 3860352.55	2.58E-03	8.13E-07	3.45E-07	2.78E-03	8.78E-07	3.73E-07	4.43E-03	1.40E-06	5.93E-07
1352	493827.33, 3860352.55	2.57E-03	8.11E-07	3.44E-07	2.77E-03	8.76E-07	3.71E-07	4.42E-03	1.39E-06	5.91E-07
1353	493877.33, 3860352.55	2.56E-03	8.08E-07	3.43E-07	2.77E-03	8.73E-07	3.70E-07	4.40E-03	1.39E-06	5.90E-07
1354	493927.33, 3860352.55	2.55E-03	8.06E-07	3.42E-07	2.76E-03	8.71E-07	3.69E-07	4.39E-03	1.39E-06	5.88E-07
1355	493977.33, 3860352.55	2.55E-03	8.04E-07	3.41E-07	2.75E-03	8.68E-07	3.68E-07	4.38E-03	1.38E-06	5.87E-07
1356	494027.33, 3860352.55	2.54E-03	8.01E-07	3.40E-07	2.74E-03	8.65E-07	3.67E-07	4.37E-03	1.38E-06	5.85E-07
1357	493677.33, 3860402.55	2.54E-03	8.02E-07	3.40E-07	2.74E-03	8.66E-07	3.68E-07	4.37E-03	1.38E-06	5.85E-07
1358	493727.33, 3860402.55	2.53E-03	8.00E-07	3.39E-07	2.74E-03	8.63E-07	3.66E-07	4.35E-03	1.37E-06	5.83E-07
1359	493777.33, 3860402.55	2.53E-03	7.98E-07	3.39E-07	2.73E-03	8.62E-07	3.66E-07	4.35E-03	1.37E-06	5.82E-07
1360	493827.33, 3860402.55	2.52E-03	7.95E-07	3.37E-07	2.72E-03	8.59E-07	3.64E-07	4.33E-03	1.37E-06	5.80E-07
1361	493877.33, 3860402.55	2.51E-03	7.93E-07	3.36E-07	2.71E-03	8.56E-07	3.63E-07	4.32E-03	1.36E-06	5.78E-07
1362	493927.33, 3860402.55	2.51E-03	7.91E-07	3.36E-07	2.71E-03	8.54E-07	3.62E-07	4.31E-03	1.36E-06	5.77E-07
1363	493977.33, 3860402.55	2.50E-03	7.89E-07	3.35E-07	2.70E-03	8.52E-07	3.62E-07	4.30E-03	1.36E-06	5.76E-07
1364	494027.33, 3860402.55	2.49E-03	7.87E-07	3.34E-07	2.69E-03	8.50E-07	3.60E-07	4.29E-03	1.35E-06	5.74E-07
1365	493677.33, 3860452.55	2.49E-03	7.87E-07	3.34E-07	2.69E-03	8.49E-07	3.60E-07	4.28E-03	1.35E-06	5.73E-07
1366	493727.33, 3860452.55	2.48E-03	7.83E-07	3.32E-07	2.68E-03	8.46E-07	3.59E-07	4.26E-03	1.35E-06	5.71E-07
1367	493777.33, 3860452.55	2.47E-03	7.81E-07	3.31E-07	2.67E-03	8.43E-07	3.58E-07	4.25E-03	1.34E-06	5.69E-07
1368	493827.33, 3860452.55	2.47E-03	7.79E-07	3.31E-07	2.67E-03	8.42E-07	3.57E-07	4.24E-03	1.34E-06	5.68E-07
1369	493877.33, 3860452.55	2.46E-03	7.78E-07	3.30E-07	2.66E-03	8.40E-07	3.56E-07	4.23E-03	1.34E-06	5.67E-07
1370	493927.33, 3860452.55	2.46E-03	7.77E-07	3.29E-07	2.66E-03	8.39E-07	3.56E-07	4.23E-03	1.33E-06	5.66E-07
1371	493977.33, 3860452.55	2.45E-03	7.74E-07	3.28E-07	2.65E-03	8.36E-07	3.55E-07	4.22E-03	1.33E-06	5.65E-07
1372	494027.33, 3860452.55	2.45E-03	7.72E-07	3.27E-07	2.64E-03	8.33E-07	3.54E-07	4.20E-03	1.33E-06	5.63E-07
1373	493677.33, 3860502.55	2.44E-03	7.71E-07	3.27E-07	2.64E-03	8.32E-07	3.53E-07	4.20E-03	1.32E-06	5.62E-07
1374	493727.33, 3860502.55	2.43E-03	7.68E-07	3.26E-07	2.63E-03	8.29E-07	3.52E-07	4.18E-03	1.32E-06	5.60E-07
1375	493777.33, 3860502.55	2.43E-03	7.66E-07	3.25E-07	2.62E-03	8.27E-07	3.51E-07	4.17E-03	1.32E-06	5.58E-07
1376	493827.33, 3860502.55	2.42E-03	7.64E-07	3.24E-07	2.61E-03	8.25E-07	3.50E-07	4.16E-03	1.31E-06	5.57E-07
1377	493877.33, 3860502.55	2.42E-03	7.62E-07	3.23E-07	2.61E-03	8.23E-07	3.49E-07	4.15E-03	1.31E-06	5.56E-07
1378	493927.33, 3860502.55	2.41E-03	7.61E-07	3.23E-07	2.60E-03	8.22E-07	3.49E-07	4.15E-03	1.31E-06	5.55E-07
1379	493977.33, 3860502.55	2.40E-03	7.59E-07	3.22E-07	2.60E-03	8.19E-07	3.48E-07	4.13E-03	1.30E-06	5.54E-07
1380	494027.33, 3860502.55	2.40E-03	7.57E-07	3.21E-07	2.59E-03	8.17E-07	3.47E-07	4.12E-03	1.30E-06	5.52E-07
1381	493627.33, 3860552.55	2.40E-03	7.57E-07	3.21E-07	2.59E-03	8.18E-07	3.47E-07	4.12E-03	1.30E-06	5.52E-07
1382	493677.33, 3860552.55	2.39E-03	7.54E-07	3.20E-07	2.58E-03	8.15E-07	3.46E-07	4.11E-03	1.30E-06	5.50E-07
1383	493727.33, 3860552.55	2.38E-03	7.52E-07	3.19E-07	2.57E-03	8.12E-07	3.44E-07	4.09E-03	1.29E-06	5.48E-07
1384	493777.33, 3860552.55	2.38E-03	7.50E-07	3.18E-07	2.57E-03	8.10E-07	3.44E-07	4.08E-03	1.29E-06	5.47E-07
1385	493827.33, 3860552.55	2.37E-03	7.49E-07	3.18E-07	2.56E-03	8.09E-07	3.43E-07	4.08E-03	1.29E-06	5.46E-07
1386	493877.33, 3860552.55	2.37E-03	7.47E-07	3.17E-07	2.56E-03	8.07E-07	3.42E-07	4.07E-03	1.28E-06	5.45E-07
1387	493927.33, 3860552.55	2.36E-03	7.46E-07	3.16E-07	2.55E-03	8.05E-07	3.42E-07	4.06E-03	1.28E-06	5.44E-07
1388	493977.33, 3860552.55	2.36E-03	7.44E-07	3.16E-07	2.55E-03	8.04E-07	3.41E-07	4.05E-03	1.28E-06	5.43E-07
1389	494027.33, 3860552.55	2.35E-03	7.42E-07	3.15E-07	2.54E-03	8.01E-07	3.40E-07	4.04E-03	1.28E-06	5.41E-07
1390	493627.33, 3860602.55	2.35E-03	7.42E-07	3.15E-07	2.54E-03	8.01E-07	3.40E-07	4.04E-03	1.27E-06	5.40E-07
1391	493727.33, 3860602.55	2.33E-03	7.36E-07	3.12E-07	2.52E-03	7.94E-07	3.37E-07	4.00E-03	1.26E-06	5.36E-07
1392	493777.33, 3860602.55	2.33E-03	7.35E-07	3.12E-07	2.52E-03	7.94E-07	3.37E-07	4.00E-03	1.26E-06	5.36E-07
1393	493827.33, 3860602.55	2.32E-03	7.34E-07	3.11E-07	2.51E-03	7.92E-07	3.36E-07	3.99E-03	1.26E-06	5.35E-07
1394	493877.33, 3860602.55	2.32E-03	7.33E-07	3.11E-07	2.51E-03	7.91E-07	3.36E-07	3.99E-03	1.26E-06	5.34E-07
1395	493927.33, 3860602.55	2.32E-03	7.31E-07	3.10E-07	2.50E-03	7.90E-07	3.35E-07	3.98E-03	1.26E-06	5.33E-07
1396	493977.33, 3860602.55	2.31E-03	7.30E-07	3.10E-07	2.50E-03	7.88E-07	3.34E-07	3.98E-03	1.25E-06	5.32E-07
1397	494027.33, 3860602.55	2.31E-03	7.28E-07	3.09E-07	2.49E-03	7.86E-07	3.33E-07	3.96E-03	1.25E-06	5.31E-07
1398	493627.33, 3860652.55	2.30E-03	7.26E-07	3.08E-07	2.48E-03	7.84E-07	3.32E-07	3.95E-03	1.25E-06	5.29E-07
1399	493727.33, 3860652.55	2.28E-03	7.20E-07	3.06E-07	2.46E-03	7.78E-07	3.30E-07	3.92E-03	1.24E-06	5.25E-07

1400	493777.33, 3860652.55	2.28E-03	7.20E-07	3.05E-07	2.46E-03	7.77E-07	3.30E-07	3.92E-03	1.24E-06	5.25E-07
1401	493827.33, 3860652.55	2.28E-03	7.19E-07	3.05E-07	2.46E-03	7.76E-07	3.29E-07	3.91E-03	1.24E-06	5.24E-07
1402	493877.33, 3860652.55	2.28E-03	7.18E-07	3.05E-07	2.46E-03	7.76E-07	3.29E-07	3.91E-03	1.23E-06	5.24E-07
1403	493927.33, 3860652.55	2.27E-03	7.17E-07	3.04E-07	2.45E-03	7.74E-07	3.29E-07	3.90E-03	1.23E-06	5.23E-07
1404	493977.33, 3860652.55	2.27E-03	7.15E-07	3.04E-07	2.45E-03	7.73E-07	3.28E-07	3.90E-03	1.23E-06	5.22E-07
1405	494027.33, 3860652.55	2.26E-03	7.14E-07	3.03E-07	2.44E-03	7.71E-07	3.27E-07	3.89E-03	1.23E-06	5.21E-07
1406	494311.06, 3858401.99	2.58E-03	8.13E-07	3.45E-07	2.78E-03	8.78E-07	3.73E-07	4.43E-03	1.40E-06	5.93E-07
1407	494361.06, 3858401.99	2.53E-03	7.99E-07	3.39E-07	2.73E-03	8.63E-07	3.66E-07	4.35E-03	1.37E-06	5.83E-07
1408	494411.06, 3858401.99	2.50E-03	7.89E-07	3.35E-07	2.70E-03	8.52E-07	3.61E-07	4.30E-03	1.36E-06	5.75E-07
1409	494461.06, 3858401.99	2.48E-03	7.84E-07	3.33E-07	2.68E-03	8.47E-07	3.59E-07	4.27E-03	1.35E-06	5.72E-07
1410	494511.06, 3858401.99	2.45E-03	7.73E-07	3.28E-07	2.65E-03	8.35E-07	3.54E-07	4.21E-03	1.33E-06	5.64E-07
1411	494561.06, 3858401.99	2.43E-03	7.68E-07	3.26E-07	2.63E-03	8.29E-07	3.52E-07	4.18E-03	1.32E-06	5.60E-07
1412	494611.06, 3858401.99	2.40E-03	7.57E-07	3.21E-07	2.59E-03	8.18E-07	3.47E-07	4.12E-03	1.30E-06	5.52E-07
1413	494661.06, 3858401.99	2.37E-03	7.48E-07	3.17E-07	2.56E-03	8.08E-07	3.43E-07	4.08E-03	1.29E-06	5.46E-07
1414	494711.06, 3858401.99	2.33E-03	7.35E-07	3.12E-07	2.51E-03	7.93E-07	3.37E-07	4.00E-03	1.26E-06	5.36E-07
1415	494761.06, 3858401.99	2.31E-03	7.28E-07	3.09E-07	2.49E-03	7.86E-07	3.33E-07	3.96E-03	1.25E-06	5.31E-07
1416	494811.06, 3858401.99	2.27E-03	7.18E-07	3.04E-07	2.45E-03	7.75E-07	3.29E-07	3.91E-03	1.23E-06	5.23E-07
1417	494861.06, 3858401.99	2.24E-03	7.08E-07	3.01E-07	2.42E-03	7.65E-07	3.25E-07	3.86E-03	1.22E-06	5.17E-07
1418	494911.06, 3858401.99	2.22E-03	7.00E-07	2.97E-07	2.39E-03	7.55E-07	3.21E-07	3.81E-03	1.20E-06	5.10E-07
1419	494961.06, 3858401.99	2.19E-03	6.90E-07	2.93E-07	2.36E-03	7.45E-07	3.16E-07	3.76E-03	1.19E-06	5.03E-07
1420	495011.06, 3858401.99	2.15E-03	6.79E-07	2.88E-07	2.32E-03	7.33E-07	3.11E-07	3.70E-03	1.17E-06	4.95E-07
1421	495061.06, 3858401.99	2.12E-03	6.69E-07	2.84E-07	2.29E-03	7.23E-07	3.07E-07	3.64E-03	1.15E-06	4.88E-07
1422	495111.06, 3858401.99	2.07E-03	6.52E-07	2.77E-07	2.23E-03	7.04E-07	2.99E-07	3.55E-03	1.12E-06	4.76E-07
1423	495161.06, 3858401.99	2.06E-03	6.49E-07	2.75E-07	2.22E-03	7.01E-07	2.97E-07	3.53E-03	1.12E-06	4.73E-07
1424	495211.06, 3858401.99	2.01E-03	6.34E-07	2.69E-07	2.17E-03	6.85E-07	2.91E-07	3.45E-03	1.09E-06	4.62E-07
1425	495261.06, 3858401.99	1.98E-03	6.26E-07	2.66E-07	2.14E-03	6.76E-07	2.87E-07	3.41E-03	1.08E-06	4.57E-07
1426	495311.06, 3858401.99	1.96E-03	6.18E-07	2.62E-07	2.11E-03	6.67E-07	2.83E-07	3.36E-03	1.06E-06	4.51E-07
1427	495361.06, 3858401.99	1.94E-03	6.12E-07	2.60E-07	2.09E-03	6.61E-07	2.80E-07	3.33E-03	1.05E-06	4.46E-07
1428	495411.06, 3858401.99	1.93E-03	6.09E-07	2.58E-07	2.08E-03	6.57E-07	2.79E-07	3.31E-03	1.05E-06	4.44E-07
1429	495461.06, 3858401.99	1.92E-03	6.06E-07	2.57E-07	2.07E-03	6.55E-07	2.78E-07	3.30E-03	1.04E-06	4.42E-07
1430	495511.06, 3858401.99	1.91E-03	6.03E-07	2.56E-07	2.06E-03	6.51E-07	2.76E-07	3.28E-03	1.04E-06	4.40E-07
1431	495561.06, 3858401.99	1.89E-03	5.95E-07	2.52E-07	2.04E-03	6.43E-07	2.73E-07	3.24E-03	1.02E-06	4.34E-07
1432	495611.06, 3858401.99	1.88E-03	5.92E-07	2.51E-07	2.03E-03	6.39E-07	2.71E-07	3.22E-03	1.02E-06	4.32E-07
1433	495661.06, 3858401.99	1.89E-03	5.96E-07	2.53E-07	2.04E-03	6.43E-07	2.73E-07	3.24E-03	1.02E-06	4.34E-07
1434	494311.06, 3858451.99	2.63E-03	8.30E-07	3.52E-07	2.84E-03	8.96E-07	3.80E-07	4.52E-03	1.43E-06	6.05E-07
1435	494361.06, 3858451.99	2.59E-03	8.17E-07	3.47E-07	2.80E-03	8.83E-07	3.75E-07	4.45E-03	1.41E-06	5.96E-07
1436	494411.06, 3858451.99	2.56E-03	8.07E-07	3.43E-07	2.76E-03	8.72E-07	3.70E-07	4.40E-03	1.39E-06	5.89E-07
1437	494461.06, 3858451.99	2.53E-03	7.98E-07	3.39E-07	2.73E-03	8.62E-07	3.66E-07	4.35E-03	1.37E-06	5.82E-07
1438	494511.06, 3858451.99	2.51E-03	7.93E-07	3.36E-07	2.71E-03	8.56E-07	3.63E-07	4.32E-03	1.36E-06	5.78E-07
1439	494561.06, 3858451.99	2.48E-03	7.82E-07	3.32E-07	2.67E-03	8.44E-07	3.58E-07	4.26E-03	1.34E-06	5.70E-07
1440	494611.06, 3858451.99	2.45E-03	7.73E-07	3.28E-07	2.65E-03	8.35E-07	3.54E-07	4.21E-03	1.33E-06	5.64E-07
1441	494661.06, 3858451.99	2.42E-03	7.64E-07	3.24E-07	2.61E-03	8.25E-07	3.50E-07	4.16E-03	1.31E-06	5.57E-07
1442	494711.06, 3858451.99	2.38E-03	7.52E-07	3.19E-07	2.57E-03	8.12E-07	3.45E-07	4.10E-03	1.29E-06	5.49E-07
1443	494761.06, 3858451.99	2.35E-03	7.41E-07	3.14E-07	2.53E-03	8.00E-07	3.39E-07	4.04E-03	1.27E-06	5.40E-07
1444	494811.06, 3858451.99	2.32E-03	7.31E-07	3.10E-07	2.50E-03	7.90E-07	3.35E-07	3.98E-03	1.26E-06	5.33E-07
1445	494861.06, 3858451.99	2.28E-03	7.21E-07	3.06E-07	2.47E-03	7.78E-07	3.30E-07	3.93E-03	1.24E-06	5.26E-07
1446	494911.06, 3858451.99	2.24E-03	7.08E-07	3.00E-07	2.42E-03	7.64E-07	3.24E-07	3.85E-03	1.22E-06	5.16E-07
1447	494961.06, 3858451.99	2.21E-03	6.97E-07	2.96E-07	2.38E-03	7.53E-07	3.19E-07	3.80E-03	1.20E-06	5.08E-07
1448	495011.06, 3858451.99	2.17E-03	6.85E-07	2.90E-07	2.34E-03	7.39E-07	3.14E-07	3.73E-03	1.18E-06	4.99E-07
1449	495061.06, 3858451.99	2.15E-03	6.79E-07	2.88E-07	2.32E-03	7.33E-07	3.11E-07	3.70E-03	1.17E-06	4.95E-07
1450	495111.06, 3858451.99	2.11E-03	6.67E-07	2.83E-07	2.28E-03	7.20E-07	3.05E-07	3.63E-03	1.15E-06	4.86E-07
1451	495161.06, 3858451.99	2.07E-03	6.53E-07	2.77E-07	2.23E-03	7.05E-07	2.99E-07	3.56E-03	1.12E-06	4.76E-07
1452	495211.06, 3858451.99	2.03E-03	6.41E-07	2.72E-07	2.19E-03	6.92E-07	2.94E-07	3.49E-03	1.10E-06	4.67E-07
1453	495261.06, 3858451.99	2.01E-03	6.33E-07	2.69E-07	2.17E-03	6.84E-07	2.90E-07	3.45E-03	1.09E-06	4.62E-07
1454	495311.06, 3858451.99	1.99E-03	6.27E-07	2.66E-07	2.14E-03	6.77E-07	2.87E-07	3.41E-03	1.08E-06	4.57E-07
1455	495361.06, 3858451.99	1.97E-03	6.21E-07	2.64E-07	2.12E-03	6.71E-07	2.85E-07	3.38E-03	1.07E-06	4.53E-07
1456	495411.06, 3858451.99	1.96E-03	6.18E-07	2.62E-07	2.12E-03	6.68E-07	2.83E-07	3.37E-03	1.06E-06	4.51E-07
1457	495461.06, 3858451.99	1.95E-03	6.16E-07	2.61E-07	2.11E-03	6.65E-07	2.82E-07	3.36E-03	1.06E-06	4.49E-07
1458	495511.06, 3858451.99	1.93E-03	6.10E-07	2.59E-07	2.09E-03	6.59E-07	2.79E-07	3.32E-03	1.05E-06	4.45E-07
1459	495561.06, 3858451.99	1.93E-03	6.10E-07	2.59E-07	2.09E-03	6.59E-07	2.80E-07	3.32E-03	1.05E-06	4.45E-07
1460	495611.06, 3858451.99	1.91E-03	6.03E-07	2.56E-07	2.06E-03	6.51E-07	2.76E-07	3.28E-03	1.04E-06	4.39E-07

1461	495661.06, 3858451.99	1.91E-03	6.01E-07	2.55E-07	2.06E-03	6.49E-07	2.75E-07	3.27E-03	1.03E-06	4.38E-07
1462	494311.06, 3858501.99	2.64E-03	8.32E-07	3.53E-07	2.85E-03	8.98E-07	3.81E-07	4.53E-03	1.43E-06	6.07E-07
1463	494361.06, 3858501.99	2.61E-03	8.24E-07	3.49E-07	2.82E-03	8.89E-07	3.77E-07	4.49E-03	1.42E-06	6.01E-07
1464	494411.06, 3858501.99	2.58E-03	8.14E-07	3.46E-07	2.79E-03	8.79E-07	3.73E-07	4.44E-03	1.40E-06	5.94E-07
1465	494461.06, 3858501.99	2.56E-03	8.08E-07	3.43E-07	2.77E-03	8.73E-07	3.70E-07	4.40E-03	1.39E-06	5.90E-07
1466	494511.06, 3858501.99	2.52E-03	7.96E-07	3.38E-07	2.72E-03	8.60E-07	3.65E-07	4.34E-03	1.37E-06	5.81E-07
1467	494561.06, 3858501.99	2.52E-03	7.96E-07	3.38E-07	2.72E-03	8.60E-07	3.65E-07	4.34E-03	1.37E-06	5.81E-07
1468	494611.06, 3858501.99	2.49E-03	7.86E-07	3.33E-07	2.69E-03	8.49E-07	3.60E-07	4.28E-03	1.35E-06	5.73E-07
1469	494661.06, 3858501.99	2.47E-03	7.79E-07	3.30E-07	2.66E-03	8.41E-07	3.57E-07	4.24E-03	1.34E-06	5.68E-07
1470	494711.06, 3858501.99	2.43E-03	7.67E-07	3.25E-07	2.62E-03	8.28E-07	3.51E-07	4.18E-03	1.32E-06	5.59E-07
1471	494761.06, 3858501.99	2.39E-03	7.54E-07	3.20E-07	2.58E-03	8.14E-07	3.45E-07	4.10E-03	1.30E-06	5.50E-07
1472	494811.06, 3858501.99	2.35E-03	7.41E-07	3.14E-07	2.54E-03	8.00E-07	3.40E-07	4.04E-03	1.27E-06	5.41E-07
1473	494861.06, 3858501.99	2.32E-03	7.33E-07	3.11E-07	2.51E-03	7.91E-07	3.36E-07	3.99E-03	1.26E-06	5.34E-07
1474	494911.06, 3858501.99	2.27E-03	7.16E-07	3.04E-07	2.45E-03	7.73E-07	3.28E-07	3.90E-03	1.23E-06	5.22E-07
1475	494961.06, 3858501.99	2.24E-03	7.07E-07	3.00E-07	2.42E-03	7.64E-07	3.24E-07	3.85E-03	1.22E-06	5.16E-07
1476	495011.06, 3858501.99	2.20E-03	6.93E-07	2.94E-07	2.37E-03	7.49E-07	3.18E-07	3.77E-03	1.19E-06	5.05E-07
1477	495061.06, 3858501.99	2.18E-03	6.87E-07	2.92E-07	2.35E-03	7.42E-07	3.15E-07	3.74E-03	1.18E-06	5.01E-07
1478	495111.06, 3858501.99	2.12E-03	6.70E-07	2.84E-07	2.29E-03	7.23E-07	3.07E-07	3.65E-03	1.15E-06	4.88E-07
1479	495161.06, 3858501.99	2.09E-03	6.59E-07	2.80E-07	2.25E-03	7.11E-07	3.02E-07	3.59E-03	1.13E-06	4.80E-07
1480	495211.06, 3858501.99	2.05E-03	6.48E-07	2.75E-07	2.22E-03	7.00E-07	2.97E-07	3.53E-03	1.11E-06	4.73E-07
1481	495261.06, 3858501.99	2.03E-03	6.40E-07	2.72E-07	2.19E-03	6.91E-07	2.93E-07	3.49E-03	1.10E-06	4.67E-07
1482	495311.06, 3858501.99	2.01E-03	6.36E-07	2.70E-07	2.17E-03	6.86E-07	2.91E-07	3.46E-03	1.09E-06	4.63E-07
1483	495361.06, 3858501.99	2.00E-03	6.31E-07	2.68E-07	2.16E-03	6.82E-07	2.89E-07	3.44E-03	1.08E-06	4.60E-07
1484	495411.06, 3858501.99	1.99E-03	6.28E-07	2.67E-07	2.15E-03	6.78E-07	2.88E-07	3.42E-03	1.08E-06	4.58E-07
1485	495461.06, 3858501.99	1.98E-03	6.25E-07	2.65E-07	2.14E-03	6.75E-07	2.87E-07	3.41E-03	1.07E-06	4.56E-07
1486	495511.06, 3858501.99	1.97E-03	6.21E-07	2.64E-07	2.13E-03	6.71E-07	2.85E-07	3.38E-03	1.07E-06	4.53E-07
1487	495561.06, 3858501.99	1.97E-03	6.21E-07	2.64E-07	2.13E-03	6.71E-07	2.85E-07	3.38E-03	1.07E-06	4.53E-07
1488	495611.06, 3858501.99	1.94E-03	6.13E-07	2.60E-07	2.10E-03	6.62E-07	2.81E-07	3.34E-03	1.05E-06	4.47E-07
1489	495661.06, 3858501.99	1.94E-03	6.13E-07	2.60E-07	2.10E-03	6.62E-07	2.81E-07	3.34E-03	1.05E-06	4.47E-07
1490	494311.06, 3858551.99	2.59E-03	8.17E-07	3.47E-07	2.79E-03	8.82E-07	3.74E-07	4.45E-03	1.40E-06	5.96E-07
1491	494361.06, 3858551.99	2.60E-03	8.21E-07	3.48E-07	2.81E-03	8.87E-07	3.76E-07	4.47E-03	1.41E-06	5.99E-07
1492	494411.06, 3858551.99	2.62E-03	8.27E-07	3.51E-07	2.83E-03	8.93E-07	3.79E-07	4.50E-03	1.42E-06	6.03E-07
1493	494461.06, 3858551.99	2.61E-03	8.24E-07	3.50E-07	2.82E-03	8.90E-07	3.77E-07	4.49E-03	1.42E-06	6.01E-07
1494	494511.06, 3858551.99	2.59E-03	8.17E-07	3.47E-07	2.79E-03	8.82E-07	3.74E-07	4.45E-03	1.40E-06	5.96E-07
1495	494561.06, 3858551.99	2.57E-03	8.10E-07	3.44E-07	2.77E-03	8.75E-07	3.71E-07	4.41E-03	1.39E-06	5.91E-07
1496	494611.06, 3858551.99	2.54E-03	8.02E-07	3.40E-07	2.74E-03	8.66E-07	3.67E-07	4.37E-03	1.38E-06	5.85E-07
1497	494661.06, 3858551.99	2.52E-03	7.94E-07	3.37E-07	2.72E-03	8.58E-07	3.64E-07	4.33E-03	1.37E-06	5.79E-07
1498	494711.06, 3858551.99	2.47E-03	7.81E-07	3.31E-07	2.67E-03	8.43E-07	3.58E-07	4.25E-03	1.34E-06	5.70E-07
1499	494761.06, 3858551.99	2.43E-03	7.68E-07	3.26E-07	2.63E-03	8.29E-07	3.52E-07	4.18E-03	1.32E-06	5.60E-07
1500	494811.06, 3858551.99	2.40E-03	7.57E-07	3.21E-07	2.59E-03	8.18E-07	3.47E-07	4.13E-03	1.30E-06	5.52E-07
1501	494861.06, 3858551.99	2.36E-03	7.44E-07	3.16E-07	2.55E-03	8.04E-07	3.41E-07	4.05E-03	1.28E-06	5.43E-07
1502	494911.06, 3858551.99	2.31E-03	7.30E-07	3.10E-07	2.50E-03	7.88E-07	3.34E-07	3.97E-03	1.25E-06	5.32E-07
1503	494961.06, 3858551.99	2.27E-03	7.18E-07	3.05E-07	2.46E-03	7.75E-07	3.29E-07	3.91E-03	1.23E-06	5.24E-07
1504	495011.06, 3858551.99	2.23E-03	7.03E-07	2.98E-07	2.41E-03	7.59E-07	3.22E-07	3.83E-03	1.21E-06	5.13E-07
1505	495061.06, 3858551.99	2.20E-03	6.94E-07	2.95E-07	2.37E-03	7.50E-07	3.18E-07	3.78E-03	1.19E-06	5.06E-07
1506	495111.06, 3858551.99	2.14E-03	6.77E-07	2.87E-07	2.32E-03	7.31E-07	3.10E-07	3.68E-03	1.16E-06	4.93E-07
1507	495161.06, 3858551.99	2.11E-03	6.66E-07	2.82E-07	2.28E-03	7.19E-07	3.05E-07	3.62E-03	1.14E-06	4.85E-07
1508	495211.06, 3858551.99	2.08E-03	6.56E-07	2.78E-07	2.24E-03	7.08E-07	3.00E-07	3.57E-03	1.13E-06	4.78E-07
1509	495261.06, 3858551.99	2.06E-03	6.49E-07	2.75E-07	2.22E-03	7.01E-07	2.97E-07	3.53E-03	1.11E-06	4.73E-07
1510	495311.06, 3858551.99	2.04E-03	6.45E-07	2.74E-07	2.21E-03	6.97E-07	2.96E-07	3.51E-03	1.11E-06	4.70E-07
1511	495361.06, 3858551.99	2.03E-03	6.41E-07	2.72E-07	2.19E-03	6.92E-07	2.94E-07	3.49E-03	1.10E-06	4.67E-07
1512	495411.06, 3858551.99	2.02E-03	6.39E-07	2.71E-07	2.19E-03	6.90E-07	2.93E-07	3.48E-03	1.10E-06	4.66E-07
1513	495461.06, 3858551.99	2.01E-03	6.35E-07	2.70E-07	2.17E-03	6.86E-07	2.91E-07	3.46E-03	1.09E-06	4.63E-07
1514	495511.06, 3858551.99	2.01E-03	6.33E-07	2.69E-07	2.17E-03	6.84E-07	2.90E-07	3.45E-03	1.09E-06	4.62E-07
1515	495561.06, 3858551.99	2.00E-03	6.30E-07	2.67E-07	2.16E-03	6.80E-07	2.89E-07	3.43E-03	1.08E-06	4.59E-07
1516	495611.06, 3858551.99	1.98E-03	6.26E-07	2.65E-07	2.14E-03	6.75E-07	2.87E-07	3.41E-03	1.08E-06	4.56E-07
1517	495661.06, 3858551.99	1.97E-03	6.21E-07	2.63E-07	2.12E-03	6.70E-07	2.84E-07	3.38E-03	1.07E-06	4.53E-07
1518	494311.06, 3858601.99	2.47E-03	7.79E-07	3.31E-07	2.67E-03	8.41E-07	3.57E-07	4.24E-03	1.34E-06	5.68E-07
1519	494361.06, 3858601.99	2.58E-03	8.15E-07	3.46E-07	2.79E-03	8.80E-07	3.74E-07	4.44E-03	1.40E-06	5.95E-07
1520	494411.06, 3858601.99	2.67E-03	8.44E-07	3.58E-07	2.89E-03	9.11E-07	3.87E-07	4.60E-03	1.45E-06	6.16E-07
1521	494461.06, 3858601.99	2.66E-03	8.40E-07	3.57E-07	2.88E-03	9.07E-07	3.85E-07	4.58E-03	1.45E-06	6.13E-07

1522	494511.06, 3858601.99	2.63E-03	8.29E-07	3.52E-07	2.84E-03	8.95E-07	3.80E-07	4.52E-03	1.43E-06	6.05E-07
1523	494561.06, 3858601.99	2.63E-03	8.29E-07	3.52E-07	2.84E-03	8.95E-07	3.80E-07	4.52E-03	1.43E-06	6.05E-07
1524	494611.06, 3858601.99	2.59E-03	8.17E-07	3.47E-07	2.80E-03	8.83E-07	3.75E-07	4.45E-03	1.41E-06	5.96E-07
1525	494661.06, 3858601.99	2.56E-03	8.09E-07	3.43E-07	2.77E-03	8.73E-07	3.71E-07	4.41E-03	1.39E-06	5.90E-07
1526	494711.06, 3858601.99	2.52E-03	7.96E-07	3.38E-07	2.72E-03	8.60E-07	3.65E-07	4.34E-03	1.37E-06	5.81E-07
1527	494761.06, 3858601.99	2.48E-03	7.83E-07	3.32E-07	2.68E-03	8.46E-07	3.59E-07	4.27E-03	1.35E-06	5.71E-07
1528	494811.06, 3858601.99	2.42E-03	7.65E-07	3.24E-07	2.62E-03	8.26E-07	3.50E-07	4.17E-03	1.31E-06	5.58E-07
1529	494861.06, 3858601.99	2.39E-03	7.55E-07	3.20E-07	2.58E-03	8.15E-07	3.46E-07	4.11E-03	1.30E-06	5.51E-07
1530	494911.06, 3858601.99	2.34E-03	7.38E-07	3.13E-07	2.52E-03	7.97E-07	3.38E-07	4.02E-03	1.27E-06	5.38E-07
1531	494961.06, 3858601.99	2.30E-03	7.26E-07	3.08E-07	2.48E-03	7.84E-07	3.33E-07	3.95E-03	1.25E-06	5.30E-07
1532	495011.06, 3858601.99	2.26E-03	7.14E-07	3.03E-07	2.44E-03	7.71E-07	3.27E-07	3.89E-03	1.23E-06	5.21E-07
1533	495061.06, 3858601.99	2.22E-03	7.01E-07	2.97E-07	2.40E-03	7.57E-07	3.21E-07	3.82E-03	1.20E-06	5.11E-07
1534	495111.06, 3858601.99	2.16E-03	6.83E-07	2.90E-07	2.34E-03	7.37E-07	3.13E-07	3.72E-03	1.17E-06	4.98E-07
1535	495161.06, 3858601.99	2.13E-03	6.72E-07	2.85E-07	2.30E-03	7.26E-07	3.08E-07	3.66E-03	1.16E-06	4.90E-07
1536	495211.06, 3858601.99	2.11E-03	6.66E-07	2.83E-07	2.28E-03	7.19E-07	3.05E-07	3.63E-03	1.14E-06	4.86E-07
1537	495261.06, 3858601.99	2.09E-03	6.58E-07	2.79E-07	2.25E-03	7.11E-07	3.02E-07	3.59E-03	1.13E-06	4.80E-07
1538	495311.06, 3858601.99	2.07E-03	6.53E-07	2.77E-07	2.23E-03	7.05E-07	2.99E-07	3.56E-03	1.12E-06	4.76E-07
1539	495361.06, 3858601.99	2.06E-03	6.50E-07	2.76E-07	2.22E-03	7.02E-07	2.98E-07	3.54E-03	1.12E-06	4.74E-07
1540	495411.06, 3858601.99	2.05E-03	6.47E-07	2.74E-07	2.21E-03	6.98E-07	2.96E-07	3.52E-03	1.11E-06	4.71E-07
1541	495461.06, 3858601.99	2.04E-03	6.44E-07	2.73E-07	2.20E-03	6.95E-07	2.95E-07	3.51E-03	1.11E-06	4.70E-07
1542	495511.06, 3858601.99	2.02E-03	6.38E-07	2.71E-07	2.18E-03	6.89E-07	2.92E-07	3.48E-03	1.10E-06	4.65E-07
1543	495561.06, 3858601.99	2.02E-03	6.37E-07	2.70E-07	2.18E-03	6.88E-07	2.92E-07	3.47E-03	1.10E-06	4.65E-07
1544	495611.06, 3858601.99	2.00E-03	6.31E-07	2.68E-07	2.16E-03	6.81E-07	2.89E-07	3.43E-03	1.08E-06	4.60E-07
1545	495661.06, 3858601.99	1.99E-03	6.29E-07	2.67E-07	2.15E-03	6.79E-07	2.88E-07	3.42E-03	1.08E-06	4.58E-07
1546	494311.06, 3858651.99	2.44E-03	7.71E-07	3.27E-07	2.64E-03	8.33E-07	3.53E-07	4.20E-03	1.32E-06	5.62E-07
1547	494361.06, 3858651.99	2.55E-03	8.06E-07	3.42E-07	2.76E-03	8.71E-07	3.69E-07	4.39E-03	1.39E-06	5.88E-07
1548	494411.06, 3858651.99	2.69E-03	8.49E-07	3.60E-07	2.90E-03	9.17E-07	3.89E-07	4.63E-03	1.46E-06	6.20E-07
1549	494461.06, 3858651.99	2.70E-03	8.54E-07	3.62E-07	2.92E-03	9.22E-07	3.91E-07	4.65E-03	1.47E-06	6.23E-07
1550	494511.06, 3858651.99	2.68E-03	8.46E-07	3.59E-07	2.90E-03	9.14E-07	3.88E-07	4.61E-03	1.46E-06	6.18E-07
1551	494561.06, 3858651.99	2.67E-03	8.41E-07	3.57E-07	2.88E-03	9.09E-07	3.85E-07	4.58E-03	1.45E-06	6.14E-07
1552	494611.06, 3858651.99	2.64E-03	8.34E-07	3.54E-07	2.85E-03	9.01E-07	3.82E-07	4.55E-03	1.43E-06	6.09E-07
1553	494661.06, 3858651.99	2.61E-03	8.23E-07	3.49E-07	2.82E-03	8.89E-07	3.77E-07	4.49E-03	1.42E-06	6.01E-07
1554	494711.06, 3858651.99	2.56E-03	8.09E-07	3.43E-07	2.77E-03	8.73E-07	3.71E-07	4.41E-03	1.39E-06	5.90E-07
1555	494761.06, 3858651.99	2.53E-03	7.97E-07	3.38E-07	2.73E-03	8.61E-07	3.65E-07	4.34E-03	1.37E-06	5.82E-07
1556	494811.06, 3858651.99	2.47E-03	7.81E-07	3.31E-07	2.67E-03	8.43E-07	3.58E-07	4.25E-03	1.34E-06	5.70E-07
1557	494861.06, 3858651.99	2.42E-03	7.65E-07	3.25E-07	2.62E-03	8.26E-07	3.51E-07	4.17E-03	1.32E-06	5.58E-07
1558	494911.06, 3858651.99	2.37E-03	7.48E-07	3.18E-07	2.56E-03	8.08E-07	3.43E-07	4.08E-03	1.29E-06	5.46E-07
1559	494961.06, 3858651.99	2.32E-03	7.34E-07	3.11E-07	2.51E-03	7.92E-07	3.36E-07	4.00E-03	1.26E-06	5.35E-07
1560	495011.06, 3858651.99	2.29E-03	7.22E-07	3.06E-07	2.47E-03	7.80E-07	3.31E-07	3.93E-03	1.24E-06	5.27E-07
1561	495061.06, 3858651.99	2.25E-03	7.09E-07	3.01E-07	2.43E-03	7.66E-07	3.25E-07	3.86E-03	1.22E-06	5.17E-07
1562	495111.06, 3858651.99	2.20E-03	6.94E-07	2.94E-07	2.37E-03	7.49E-07	3.18E-07	3.78E-03	1.19E-06	5.06E-07
1563	495161.06, 3858651.99	2.17E-03	6.84E-07	2.90E-07	2.34E-03	7.39E-07	3.14E-07	3.73E-03	1.18E-06	4.99E-07
1564	495211.06, 3858651.99	2.13E-03	6.73E-07	2.86E-07	2.30E-03	7.27E-07	3.08E-07	3.67E-03	1.16E-06	4.91E-07
1565	495261.06, 3858651.99	2.12E-03	6.70E-07	2.84E-07	2.29E-03	7.23E-07	3.07E-07	3.65E-03	1.15E-06	4.88E-07
1566	495311.06, 3858651.99	2.10E-03	6.64E-07	2.82E-07	2.27E-03	7.17E-07	3.04E-07	3.62E-03	1.14E-06	4.84E-07
1567	495361.06, 3858651.99	2.09E-03	6.60E-07	2.80E-07	2.26E-03	7.13E-07	3.03E-07	3.60E-03	1.14E-06	4.82E-07
1568	495411.06, 3858651.99	2.08E-03	6.58E-07	2.79E-07	2.25E-03	7.11E-07	3.01E-07	3.58E-03	1.13E-06	4.80E-07
1569	495461.06, 3858651.99	2.08E-03	6.57E-07	2.79E-07	2.25E-03	7.10E-07	3.01E-07	3.58E-03	1.13E-06	4.79E-07
1570	495511.06, 3858651.99	2.06E-03	6.51E-07	2.76E-07	2.23E-03	7.02E-07	2.98E-07	3.54E-03	1.12E-06	4.74E-07
1571	495561.06, 3858651.99	2.05E-03	6.46E-07	2.74E-07	2.21E-03	6.97E-07	2.96E-07	3.52E-03	1.11E-06	4.71E-07
1572	495611.06, 3858651.99	2.02E-03	6.38E-07	2.71E-07	2.18E-03	6.89E-07	2.92E-07	3.47E-03	1.10E-06	4.65E-07
1573	495661.06, 3858651.99	2.01E-03	6.35E-07	2.70E-07	2.17E-03	6.86E-07	2.91E-07	3.46E-03	1.09E-06	4.63E-07
1574	494311.06, 3858701.99	2.47E-03	7.81E-07	3.31E-07	2.67E-03	8.43E-07	3.58E-07	4.25E-03	1.34E-06	5.69E-07
1575	494361.06, 3858701.99	2.63E-03	8.31E-07	3.53E-07	2.84E-03	8.98E-07	3.81E-07	4.53E-03	1.43E-06	6.07E-07
1576	494411.06, 3858701.99	2.73E-03	8.61E-07	3.65E-07	2.95E-03	9.30E-07	3.95E-07	4.69E-03	1.48E-06	6.28E-07
1577	494461.06, 3858701.99	2.73E-03	8.60E-07	3.65E-07	2.94E-03	9.29E-07	3.94E-07	4.69E-03	1.48E-06	6.28E-07
1578	494511.06, 3858701.99	2.72E-03	8.60E-07	3.65E-07	2.94E-03	9.28E-07	3.94E-07	4.69E-03	1.48E-06	6.28E-07
1579	494561.06, 3858701.99	2.70E-03	8.53E-07	3.62E-07	2.92E-03	9.21E-07	3.91E-07	4.65E-03	1.47E-06	6.23E-07
1580	494611.06, 3858701.99	2.65E-03	8.35E-07	3.54E-07	2.86E-03	9.02E-07	3.83E-07	4.55E-03	1.44E-06	6.10E-07
1581	494661.06, 3858701.99	2.64E-03	8.33E-07	3.54E-07	2.85E-03	9.00E-07	3.82E-07	4.54E-03	1.43E-06	6.08E-07
1582	494711.06, 3858701.99	2.53E-03	7.97E-07	3.38E-07	2.73E-03	8.61E-07	3.65E-07	4.34E-03	1.37E-06	5.82E-07

1583	494761.06, 3858701.99	2.55E-03	8.03E-07	3.41E-07	2.75E-03	8.67E-07	3.68E-07	4.38E-03	1.38E-06	5.86E-07
1584	494811.06, 3858701.99	2.49E-03	7.87E-07	3.34E-07	2.69E-03	8.49E-07	3.60E-07	4.29E-03	1.35E-06	5.74E-07
1585	494861.06, 3858701.99	2.45E-03	7.73E-07	3.28E-07	2.65E-03	8.35E-07	3.54E-07	4.21E-03	1.33E-06	5.64E-07
1586	494911.06, 3858701.99	2.41E-03	7.62E-07	3.23E-07	2.61E-03	8.22E-07	3.49E-07	4.15E-03	1.31E-06	5.56E-07
1587	494961.06, 3858701.99	2.34E-03	7.39E-07	3.13E-07	2.53E-03	7.98E-07	3.38E-07	4.02E-03	1.27E-06	5.39E-07
1588	495011.06, 3858701.99	2.30E-03	7.25E-07	3.07E-07	2.48E-03	7.82E-07	3.32E-07	3.95E-03	1.25E-06	5.28E-07
1589	495061.06, 3858701.99	2.27E-03	7.18E-07	3.05E-07	2.46E-03	7.75E-07	3.29E-07	3.91E-03	1.23E-06	5.24E-07
1590	495111.06, 3858701.99	2.22E-03	7.02E-07	2.98E-07	2.40E-03	7.58E-07	3.22E-07	3.82E-03	1.21E-06	5.12E-07
1591	495161.06, 3858701.99	2.20E-03	6.94E-07	2.94E-07	2.37E-03	7.49E-07	3.18E-07	3.78E-03	1.19E-06	5.06E-07
1592	495211.06, 3858701.99	2.16E-03	6.83E-07	2.90E-07	2.34E-03	7.37E-07	3.13E-07	3.72E-03	1.17E-06	4.98E-07
1593	495261.06, 3858701.99	2.15E-03	6.80E-07	2.88E-07	2.32E-03	7.34E-07	3.11E-07	3.70E-03	1.17E-06	4.96E-07
1594	495311.06, 3858701.99	2.14E-03	6.77E-07	2.87E-07	2.31E-03	7.31E-07	3.10E-07	3.68E-03	1.16E-06	4.93E-07
1595	495361.06, 3858701.99	2.13E-03	6.72E-07	2.85E-07	2.30E-03	7.26E-07	3.08E-07	3.66E-03	1.15E-06	4.90E-07
1596	495411.06, 3858701.99	2.12E-03	6.70E-07	2.84E-07	2.29E-03	7.24E-07	3.07E-07	3.65E-03	1.15E-06	4.89E-07
1597	495461.06, 3858701.99	2.11E-03	6.67E-07	2.83E-07	2.28E-03	7.20E-07	3.06E-07	3.63E-03	1.15E-06	4.86E-07
1598	495511.06, 3858701.99	2.10E-03	6.62E-07	2.81E-07	2.26E-03	7.14E-07	3.03E-07	3.60E-03	1.14E-06	4.82E-07
1599	495561.06, 3858701.99	2.08E-03	6.55E-07	2.78E-07	2.24E-03	7.07E-07	3.00E-07	3.57E-03	1.13E-06	4.78E-07
1600	495611.06, 3858701.99	2.06E-03	6.49E-07	2.75E-07	2.22E-03	7.00E-07	2.97E-07	3.53E-03	1.11E-06	4.73E-07
1601	495661.06, 3858701.99	2.04E-03	6.45E-07	2.73E-07	2.21E-03	6.96E-07	2.95E-07	3.51E-03	1.11E-06	4.70E-07
1602	494311.06, 3858751.99	2.51E-03	7.93E-07	3.37E-07	2.71E-03	8.57E-07	3.64E-07	4.32E-03	1.36E-06	5.79E-07
1603	494361.06, 3858751.99	2.70E-03	8.53E-07	3.62E-07	2.92E-03	9.21E-07	3.91E-07	4.65E-03	1.47E-06	6.23E-07
1604	494411.06, 3858751.99	2.77E-03	8.76E-07	3.72E-07	3.00E-03	9.46E-07	4.01E-07	4.77E-03	1.51E-06	6.39E-07
1605	494461.06, 3858751.99	2.77E-03	8.75E-07	3.71E-07	2.99E-03	9.44E-07	4.01E-07	4.77E-03	1.50E-06	6.38E-07
1606	494511.06, 3858751.99	2.78E-03	8.77E-07	3.72E-07	3.00E-03	9.47E-07	4.02E-07	4.78E-03	1.51E-06	6.40E-07
1607	494561.06, 3858751.99	2.74E-03	8.65E-07	3.67E-07	2.96E-03	9.34E-07	3.96E-07	4.71E-03	1.49E-06	6.31E-07
1608	494611.06, 3858751.99	2.69E-03	8.50E-07	3.61E-07	2.91E-03	9.18E-07	3.90E-07	4.63E-03	1.46E-06	6.21E-07
1609	494661.06, 3858751.99	2.66E-03	8.41E-07	3.57E-07	2.88E-03	9.08E-07	3.85E-07	4.58E-03	1.45E-06	6.14E-07
1610	494711.06, 3858751.99	2.60E-03	8.19E-07	3.48E-07	2.80E-03	8.85E-07	3.75E-07	4.47E-03	1.41E-06	5.98E-07
1611	494761.06, 3858751.99	2.58E-03	8.14E-07	3.45E-07	2.78E-03	8.79E-07	3.73E-07	4.44E-03	1.40E-06	5.94E-07
1612	494811.06, 3858751.99	2.52E-03	7.96E-07	3.38E-07	2.72E-03	8.59E-07	3.65E-07	4.34E-03	1.37E-06	5.81E-07
1613	494861.06, 3858751.99	2.47E-03	7.80E-07	3.31E-07	2.67E-03	8.42E-07	3.57E-07	4.25E-03	1.34E-06	5.69E-07
1614	494911.06, 3858751.99	2.41E-03	7.62E-07	3.23E-07	2.61E-03	8.23E-07	3.49E-07	4.15E-03	1.31E-06	5.56E-07
1615	494961.06, 3858751.99	2.37E-03	7.50E-07	3.18E-07	2.56E-03	8.09E-07	3.43E-07	4.08E-03	1.29E-06	5.47E-07
1616	495011.06, 3858751.99	2.35E-03	7.41E-07	3.14E-07	2.53E-03	8.00E-07	3.39E-07	4.04E-03	1.27E-06	5.40E-07
1617	495061.06, 3858751.99	2.31E-03	7.28E-07	3.09E-07	2.49E-03	7.86E-07	3.33E-07	3.96E-03	1.25E-06	5.31E-07
1618	495111.06, 3858751.99	2.26E-03	7.12E-07	3.02E-07	2.44E-03	7.69E-07	3.26E-07	3.88E-03	1.22E-06	5.20E-07
1619	495161.06, 3858751.99	2.23E-03	7.04E-07	2.99E-07	2.41E-03	7.60E-07	3.22E-07	3.83E-03	1.21E-06	5.13E-07
1620	495211.06, 3858751.99	2.19E-03	6.93E-07	2.94E-07	2.37E-03	7.48E-07	3.17E-07	3.77E-03	1.19E-06	5.05E-07
1621	495261.06, 3858751.99	2.18E-03	6.89E-07	2.92E-07	2.36E-03	7.44E-07	3.16E-07	3.75E-03	1.18E-06	5.02E-07
1622	495311.06, 3858751.99	2.17E-03	6.86E-07	2.91E-07	2.35E-03	7.41E-07	3.14E-07	3.74E-03	1.18E-06	5.00E-07
1623	495361.06, 3858751.99	2.16E-03	6.82E-07	2.89E-07	2.33E-03	7.36E-07	3.12E-07	3.71E-03	1.17E-06	4.97E-07
1624	495411.06, 3858751.99	2.16E-03	6.81E-07	2.89E-07	2.33E-03	7.35E-07	3.12E-07	3.71E-03	1.17E-06	4.97E-07
1625	495461.06, 3858751.99	2.15E-03	6.77E-07	2.87E-07	2.32E-03	7.32E-07	3.10E-07	3.69E-03	1.16E-06	4.94E-07
1626	495511.06, 3858751.99	2.13E-03	6.72E-07	2.85E-07	2.30E-03	7.26E-07	3.08E-07	3.66E-03	1.16E-06	4.90E-07
1627	495561.06, 3858751.99	2.11E-03	6.66E-07	2.82E-07	2.28E-03	7.19E-07	3.05E-07	3.63E-03	1.14E-06	4.86E-07
1628	495611.06, 3858751.99	2.09E-03	6.60E-07	2.80E-07	2.26E-03	7.12E-07	3.02E-07	3.59E-03	1.13E-06	4.81E-07
1629	495661.06, 3858751.99	2.07E-03	6.55E-07	2.78E-07	2.24E-03	7.07E-07	3.00E-07	3.57E-03	1.13E-06	4.77E-07
1630	494311.06, 3858801.99	2.59E-03	8.18E-07	3.47E-07	2.80E-03	8.83E-07	3.75E-07	4.45E-03	1.41E-06	5.96E-07
1631	494361.06, 3858801.99	2.76E-03	8.70E-07	3.69E-07	2.98E-03	9.40E-07	3.99E-07	4.74E-03	1.50E-06	6.35E-07
1632	494411.06, 3858801.99	2.79E-03	8.82E-07	3.74E-07	3.02E-03	9.52E-07	4.04E-07	4.81E-03	1.52E-06	6.44E-07
1633	494461.06, 3858801.99	2.81E-03	8.87E-07	3.76E-07	3.03E-03	9.57E-07	4.06E-07	4.83E-03	1.53E-06	6.47E-07
1634	494511.06, 3858801.99	2.82E-03	8.90E-07	3.78E-07	3.05E-03	9.61E-07	4.08E-07	4.85E-03	1.53E-06	6.50E-07
1635	494561.06, 3858801.99	2.80E-03	8.85E-07	3.75E-07	3.03E-03	9.56E-07	4.05E-07	4.82E-03	1.52E-06	6.46E-07
1636	494611.06, 3858801.99	2.77E-03	8.75E-07	3.71E-07	3.00E-03	9.45E-07	4.01E-07	4.77E-03	1.51E-06	6.39E-07
1637	494661.06, 3858801.99	2.73E-03	8.60E-07	3.65E-07	2.94E-03	9.29E-07	3.94E-07	4.69E-03	1.48E-06	6.28E-07
1638	494711.06, 3858801.99	2.67E-03	8.42E-07	3.57E-07	2.88E-03	9.09E-07	3.86E-07	4.59E-03	1.45E-06	6.15E-07
1639	494761.06, 3858801.99	2.60E-03	8.21E-07	3.48E-07	2.81E-03	8.87E-07	3.76E-07	4.48E-03	1.41E-06	5.99E-07
1640	494811.06, 3858801.99	2.53E-03	8.00E-07	3.39E-07	2.74E-03	8.64E-07	3.67E-07	4.36E-03	1.38E-06	5.84E-07
1641	494861.06, 3858801.99	2.50E-03	7.89E-07	3.35E-07	2.70E-03	8.52E-07	3.61E-07	4.30E-03	1.36E-06	5.76E-07
1642	494911.06, 3858801.99	2.45E-03	7.72E-07	3.27E-07	2.64E-03	8.33E-07	3.54E-07	4.21E-03	1.33E-06	5.63E-07
1643	494961.06, 3858801.99	2.41E-03	7.59E-07	3.22E-07	2.60E-03	8.20E-07	3.48E-07	4.14E-03	1.31E-06	5.54E-07

1644	495011.06, 3858801.99	2.36E-03	7.46E-07	3.17E-07	2.55E-03	8.06E-07	3.42E-07	4.06E-03	1.28E-06	5.44E-07
1645	495061.06, 3858801.99	2.34E-03	7.38E-07	3.13E-07	2.52E-03	7.96E-07	3.38E-07	4.02E-03	1.27E-06	5.38E-07
1646	495111.06, 3858801.99	2.28E-03	7.20E-07	3.06E-07	2.47E-03	7.78E-07	3.30E-07	3.92E-03	1.24E-06	5.26E-07
1647	495161.06, 3858801.99	2.24E-03	7.08E-07	3.01E-07	2.42E-03	7.65E-07	3.25E-07	3.86E-03	1.22E-06	5.17E-07
1648	495211.06, 3858801.99	2.22E-03	7.02E-07	2.98E-07	2.40E-03	7.58E-07	3.21E-07	3.82E-03	1.21E-06	5.12E-07
1649	495261.06, 3858801.99	2.21E-03	6.98E-07	2.96E-07	2.39E-03	7.54E-07	3.20E-07	3.80E-03	1.20E-06	5.09E-07
1650	495311.06, 3858801.99	2.21E-03	6.96E-07	2.95E-07	2.38E-03	7.52E-07	3.19E-07	3.79E-03	1.20E-06	5.08E-07
1651	495361.06, 3858801.99	2.19E-03	6.92E-07	2.94E-07	2.37E-03	7.48E-07	3.17E-07	3.77E-03	1.19E-06	5.05E-07
1652	495411.06, 3858801.99	2.20E-03	6.94E-07	2.94E-07	2.37E-03	7.49E-07	3.18E-07	3.78E-03	1.19E-06	5.06E-07
1653	495461.06, 3858801.99	2.18E-03	6.89E-07	2.92E-07	2.36E-03	7.44E-07	3.16E-07	3.75E-03	1.18E-06	5.03E-07
1654	495511.06, 3858801.99	2.16E-03	6.83E-07	2.90E-07	2.34E-03	7.37E-07	3.13E-07	3.72E-03	1.17E-06	4.98E-07
1655	495561.06, 3858801.99	2.15E-03	6.77E-07	2.87E-07	2.32E-03	7.31E-07	3.10E-07	3.69E-03	1.16E-06	4.94E-07
1656	495611.06, 3858801.99	2.12E-03	6.69E-07	2.84E-07	2.29E-03	7.23E-07	3.07E-07	3.65E-03	1.15E-06	4.88E-07
1657	495661.06, 3858801.99	2.11E-03	6.65E-07	2.82E-07	2.28E-03	7.18E-07	3.05E-07	3.62E-03	1.14E-06	4.85E-07
1658	494311.06, 3858851.99	2.77E-03	8.75E-07	3.71E-07	2.99E-03	9.45E-07	4.01E-07	4.77E-03	1.51E-06	6.39E-07
1659	494361.06, 3858851.99	2.87E-03	9.05E-07	3.84E-07	3.10E-03	9.77E-07	4.15E-07	4.93E-03	1.56E-06	6.61E-07
1660	494411.06, 3858851.99	2.86E-03	9.01E-07	3.82E-07	3.08E-03	9.73E-07	4.13E-07	4.91E-03	1.55E-06	6.58E-07
1661	494461.06, 3858851.99	2.86E-03	9.02E-07	3.83E-07	3.09E-03	9.74E-07	4.13E-07	4.92E-03	1.55E-06	6.59E-07
1662	494511.06, 3858851.99	2.86E-03	9.01E-07	3.82E-07	3.08E-03	9.73E-07	4.13E-07	4.91E-03	1.55E-06	6.58E-07
1663	494561.06, 3858851.99	2.83E-03	8.95E-07	3.80E-07	3.06E-03	9.66E-07	4.10E-07	4.88E-03	1.54E-06	6.53E-07
1664	494611.06, 3858851.99	2.80E-03	8.83E-07	3.75E-07	3.02E-03	9.53E-07	4.04E-07	4.81E-03	1.52E-06	6.45E-07
1665	494661.06, 3858851.99	2.75E-03	8.68E-07	3.68E-07	2.97E-03	9.37E-07	3.98E-07	4.73E-03	1.49E-06	6.34E-07
1666	494711.06, 3858851.99	2.68E-03	8.47E-07	3.59E-07	2.90E-03	9.14E-07	3.88E-07	4.62E-03	1.46E-06	6.18E-07
1667	494761.06, 3858851.99	2.62E-03	8.27E-07	3.51E-07	2.83E-03	8.93E-07	3.79E-07	4.51E-03	1.42E-06	6.03E-07
1668	494811.06, 3858851.99	2.57E-03	8.10E-07	3.44E-07	2.77E-03	8.75E-07	3.71E-07	4.41E-03	1.39E-06	5.91E-07
1669	494861.06, 3858851.99	2.53E-03	7.99E-07	3.39E-07	2.73E-03	8.63E-07	3.66E-07	4.35E-03	1.37E-06	5.83E-07
1670	494911.06, 3858851.99	2.48E-03	7.84E-07	3.32E-07	2.68E-03	8.46E-07	3.59E-07	4.27E-03	1.35E-06	5.72E-07
1671	494961.06, 3858851.99	2.44E-03	7.70E-07	3.27E-07	2.64E-03	8.32E-07	3.53E-07	4.20E-03	1.33E-06	5.62E-07
1672	495011.06, 3858851.99	2.41E-03	7.60E-07	3.22E-07	2.60E-03	8.20E-07	3.48E-07	4.14E-03	1.31E-06	5.54E-07
1673	495061.06, 3858851.99	2.37E-03	7.47E-07	3.17E-07	2.56E-03	8.07E-07	3.42E-07	4.07E-03	1.28E-06	5.45E-07
1674	495111.06, 3858851.99	2.30E-03	7.25E-07	3.07E-07	2.48E-03	7.82E-07	3.32E-07	3.95E-03	1.25E-06	5.29E-07
1675	495161.06, 3858851.99	2.26E-03	7.13E-07	3.02E-07	2.44E-03	7.70E-07	3.27E-07	3.88E-03	1.23E-06	5.20E-07
1676	495211.06, 3858851.99	2.26E-03	7.13E-07	3.02E-07	2.44E-03	7.70E-07	3.27E-07	3.88E-03	1.23E-06	5.20E-07
1677	495261.06, 3858851.99	2.25E-03	7.09E-07	3.01E-07	2.43E-03	7.66E-07	3.25E-07	3.86E-03	1.22E-06	5.17E-07
1678	495311.06, 3858851.99	2.24E-03	7.08E-07	3.00E-07	2.42E-03	7.65E-07	3.24E-07	3.86E-03	1.22E-06	5.17E-07
1679	495361.06, 3858851.99	2.23E-03	7.05E-07	2.99E-07	2.41E-03	7.61E-07	3.23E-07	3.84E-03	1.21E-06	5.14E-07
1680	495411.06, 3858851.99	2.23E-03	7.02E-07	2.98E-07	2.40E-03	7.58E-07	3.22E-07	3.83E-03	1.21E-06	5.12E-07
1681	495461.06, 3858851.99	2.22E-03	7.00E-07	2.97E-07	2.40E-03	7.56E-07	3.21E-07	3.82E-03	1.20E-06	5.11E-07
1682	495511.06, 3858851.99	2.20E-03	6.96E-07	2.95E-07	2.38E-03	7.51E-07	3.19E-07	3.79E-03	1.20E-06	5.08E-07
1683	495561.06, 3858851.99	2.17E-03	6.85E-07	2.90E-07	2.34E-03	7.39E-07	3.14E-07	3.73E-03	1.18E-06	4.99E-07
1684	495611.06, 3858851.99	2.14E-03	6.76E-07	2.87E-07	2.31E-03	7.30E-07	3.10E-07	3.68E-03	1.16E-06	4.93E-07
1685	495661.06, 3858851.99	2.14E-03	6.74E-07	2.86E-07	2.31E-03	7.28E-07	3.09E-07	3.67E-03	1.16E-06	4.92E-07
1686	494311.06, 3858901.99	2.84E-03	8.98E-07	3.81E-07	3.07E-03	9.69E-07	4.11E-07	4.90E-03	1.54E-06	6.56E-07
1687	494361.06, 3858901.99	2.91E-03	9.20E-07	3.90E-07	3.15E-03	9.93E-07	4.21E-07	5.02E-03	1.58E-06	6.72E-07
1688	494411.06, 3858901.99	2.92E-03	9.20E-07	3.90E-07	3.15E-03	9.94E-07	4.22E-07	5.02E-03	1.58E-06	6.72E-07
1689	494461.06, 3858901.99	2.92E-03	9.23E-07	3.91E-07	3.16E-03	9.96E-07	4.23E-07	5.03E-03	1.59E-06	6.74E-07
1690	494511.06, 3858901.99	2.91E-03	9.20E-07	3.90E-07	3.15E-03	9.94E-07	4.22E-07	5.02E-03	1.58E-06	6.72E-07
1691	494561.06, 3858901.99	2.88E-03	9.08E-07	3.85E-07	3.11E-03	9.81E-07	4.16E-07	4.95E-03	1.56E-06	6.63E-07
1692	494611.06, 3858901.99	2.81E-03	8.87E-07	3.76E-07	3.03E-03	9.58E-07	4.06E-07	4.84E-03	1.53E-06	6.48E-07
1693	494661.06, 3858901.99	2.77E-03	8.75E-07	3.71E-07	2.99E-03	9.45E-07	4.01E-07	4.77E-03	1.51E-06	6.39E-07
1694	494711.06, 3858901.99	2.71E-03	8.56E-07	3.63E-07	2.93E-03	9.24E-07	3.92E-07	4.67E-03	1.47E-06	6.25E-07
1695	494761.06, 3858901.99	2.64E-03	8.33E-07	3.54E-07	2.85E-03	9.00E-07	3.82E-07	4.54E-03	1.43E-06	6.08E-07
1696	494811.06, 3858901.99	2.60E-03	8.20E-07	3.48E-07	2.81E-03	8.86E-07	3.76E-07	4.47E-03	1.41E-06	5.99E-07
1697	494861.06, 3858901.99	2.57E-03	8.10E-07	3.44E-07	2.77E-03	8.75E-07	3.71E-07	4.42E-03	1.39E-06	5.91E-07
1698	494911.06, 3858901.99	2.50E-03	7.89E-07	3.35E-07	2.70E-03	8.52E-07	3.61E-07	4.30E-03	1.36E-06	5.76E-07
1699	494961.06, 3858901.99	2.46E-03	7.77E-07	3.30E-07	2.66E-03	8.39E-07	3.56E-07	4.23E-03	1.34E-06	5.67E-07
1700	495011.06, 3858901.99	2.43E-03	7.65E-07	3.25E-07	2.62E-03	8.27E-07	3.51E-07	4.17E-03	1.32E-06	5.59E-07
1701	495061.06, 3858901.99	2.37E-03	7.49E-07	3.18E-07	2.56E-03	8.09E-07	3.43E-07	4.08E-03	1.29E-06	5.47E-07
1702	495111.06, 3858901.99	2.30E-03	7.26E-07	3.08E-07	2.49E-03	7.84E-07	3.33E-07	3.96E-03	1.25E-06	5.30E-07
1703	495161.06, 3858901.99	2.28E-03	7.19E-07	3.05E-07	2.46E-03	7.77E-07	3.30E-07	3.92E-03	1.24E-06	5.25E-07
1704	495211.06, 3858901.99	2.29E-03	7.23E-07	3.07E-07	2.47E-03	7.81E-07	3.31E-07	3.94E-03	1.24E-06	5.28E-07

1705	495261.06, 3858901.99	2.28E-03	7.21E-07	3.06E-07	2.47E-03	7.79E-07	3.30E-07	3.93E-03	1.24E-06	5.26E-07
1706	495311.06, 3858901.99	2.27E-03	7.17E-07	3.04E-07	2.45E-03	7.75E-07	3.29E-07	3.91E-03	1.23E-06	5.23E-07
1707	495361.06, 3858901.99	2.26E-03	7.14E-07	3.03E-07	2.44E-03	7.71E-07	3.27E-07	3.89E-03	1.23E-06	5.21E-07
1708	495411.06, 3858901.99	2.26E-03	7.14E-07	3.03E-07	2.44E-03	7.71E-07	3.27E-07	3.89E-03	1.23E-06	5.21E-07
1709	495461.06, 3858901.99	2.25E-03	7.09E-07	3.01E-07	2.43E-03	7.66E-07	3.25E-07	3.86E-03	1.22E-06	5.17E-07
1710	495511.06, 3858901.99	2.22E-03	7.01E-07	2.98E-07	2.40E-03	7.57E-07	3.21E-07	3.82E-03	1.21E-06	5.12E-07
1711	495561.06, 3858901.99	2.20E-03	6.95E-07	2.95E-07	2.38E-03	7.51E-07	3.19E-07	3.79E-03	1.20E-06	5.07E-07
1712	495611.06, 3858901.99	2.18E-03	6.87E-07	2.91E-07	2.35E-03	7.41E-07	3.15E-07	3.74E-03	1.18E-06	5.01E-07
1713	495661.06, 3858901.99	2.17E-03	6.85E-07	2.91E-07	2.34E-03	7.40E-07	3.14E-07	3.73E-03	1.18E-06	5.00E-07
1714	494311.06, 3858951.99	2.96E-03	9.33E-07	3.96E-07	3.19E-03	1.01E-06	4.28E-07	5.09E-03	1.61E-06	6.82E-07
1715	494361.06, 3858951.99	2.98E-03	9.41E-07	3.99E-07	3.22E-03	1.02E-06	4.31E-07	5.13E-03	1.62E-06	6.87E-07
1716	494411.06, 3858951.99	2.95E-03	9.32E-07	3.95E-07	3.19E-03	1.01E-06	4.27E-07	5.09E-03	1.61E-06	6.81E-07
1717	494461.06, 3858951.99	2.96E-03	9.35E-07	3.97E-07	3.20E-03	1.01E-06	4.29E-07	5.10E-03	1.61E-06	6.83E-07
1718	494511.06, 3858951.99	2.94E-03	9.29E-07	3.94E-07	3.18E-03	1.00E-06	4.26E-07	5.07E-03	1.60E-06	6.78E-07
1719	494561.06, 3858951.99	2.90E-03	9.17E-07	3.89E-07	3.14E-03	9.90E-07	4.20E-07	5.00E-03	1.58E-06	6.70E-07
1720	494611.06, 3858951.99	2.85E-03	8.99E-07	3.82E-07	3.08E-03	9.71E-07	4.12E-07	4.91E-03	1.55E-06	6.57E-07
1721	494661.06, 3858951.99	2.80E-03	8.83E-07	3.75E-07	3.02E-03	9.54E-07	4.05E-07	4.82E-03	1.52E-06	6.45E-07
1722	494711.06, 3858951.99	2.73E-03	8.60E-07	3.65E-07	2.94E-03	9.29E-07	3.94E-07	4.69E-03	1.48E-06	6.28E-07
1723	494761.06, 3858951.99	2.67E-03	8.43E-07	3.58E-07	2.89E-03	9.11E-07	3.86E-07	4.60E-03	1.45E-06	6.16E-07
1724	494811.06, 3858951.99	2.64E-03	8.32E-07	3.53E-07	2.85E-03	8.99E-07	3.81E-07	4.54E-03	1.43E-06	6.07E-07
1725	494861.06, 3858951.99	2.60E-03	8.20E-07	3.48E-07	2.81E-03	8.86E-07	3.76E-07	4.47E-03	1.41E-06	5.99E-07
1726	494911.06, 3858951.99	2.55E-03	8.04E-07	3.41E-07	2.75E-03	8.68E-07	3.68E-07	4.38E-03	1.38E-06	5.87E-07
1727	494961.06, 3858951.99	2.52E-03	7.95E-07	3.37E-07	2.72E-03	8.59E-07	3.64E-07	4.33E-03	1.37E-06	5.80E-07
1728	495011.06, 3858951.99	2.44E-03	7.70E-07	3.27E-07	2.63E-03	8.31E-07	3.53E-07	4.20E-03	1.32E-06	5.62E-07
1729	495061.06, 3858951.99	2.36E-03	7.46E-07	3.17E-07	2.55E-03	8.06E-07	3.42E-07	4.07E-03	1.28E-06	5.44E-07
1730	495111.06, 3858951.99	2.31E-03	7.28E-07	3.09E-07	2.49E-03	7.86E-07	3.34E-07	3.97E-03	1.25E-06	5.31E-07
1731	495161.06, 3858951.99	2.33E-03	7.35E-07	3.12E-07	2.52E-03	7.94E-07	3.37E-07	4.01E-03	1.26E-06	5.37E-07
1732	495211.06, 3858951.99	2.33E-03	7.34E-07	3.11E-07	2.51E-03	7.93E-07	3.36E-07	4.00E-03	1.26E-06	5.36E-07
1733	495261.06, 3858951.99	2.32E-03	7.32E-07	3.11E-07	2.51E-03	7.91E-07	3.36E-07	3.99E-03	1.26E-06	5.34E-07
1734	495311.06, 3858951.99	2.29E-03	7.23E-07	3.07E-07	2.47E-03	7.81E-07	3.31E-07	3.94E-03	1.24E-06	5.28E-07
1735	495361.06, 3858951.99	2.29E-03	7.23E-07	3.07E-07	2.47E-03	7.80E-07	3.31E-07	3.94E-03	1.24E-06	5.27E-07
1736	495411.06, 3858951.99	2.29E-03	7.23E-07	3.07E-07	2.47E-03	7.81E-07	3.31E-07	3.94E-03	1.24E-06	5.28E-07
1737	495461.06, 3858951.99	2.28E-03	7.19E-07	3.05E-07	2.46E-03	7.77E-07	3.30E-07	3.92E-03	1.24E-06	5.25E-07
1738	495511.06, 3858951.99	2.28E-03	7.18E-07	3.05E-07	2.46E-03	7.75E-07	3.29E-07	3.91E-03	1.24E-06	5.24E-07
1739	495561.06, 3858951.99	2.23E-03	7.05E-07	2.99E-07	2.41E-03	7.62E-07	3.23E-07	3.84E-03	1.21E-06	5.15E-07
1740	495611.06, 3858951.99	2.21E-03	6.98E-07	2.96E-07	2.39E-03	7.53E-07	3.20E-07	3.80E-03	1.20E-06	5.09E-07
1741	495661.06, 3858951.99	2.21E-03	6.97E-07	2.96E-07	2.38E-03	7.52E-07	3.19E-07	3.80E-03	1.20E-06	5.09E-07
1742	494311.06, 3859001.99	3.03E-03	9.57E-07	4.06E-07	3.27E-03	1.03E-06	4.39E-07	5.22E-03	1.65E-06	6.99E-07
1743	494361.06, 3859001.99	3.02E-03	9.54E-07	4.05E-07	3.27E-03	1.03E-06	4.37E-07	5.21E-03	1.64E-06	6.98E-07
1744	494411.06, 3859001.99	3.02E-03	9.53E-07	4.04E-07	3.26E-03	1.03E-06	4.37E-07	5.20E-03	1.64E-06	6.96E-07
1745	494461.06, 3859001.99	3.00E-03	9.47E-07	4.02E-07	3.24E-03	1.02E-06	4.34E-07	5.16E-03	1.63E-06	6.92E-07
1746	494511.06, 3859001.99	2.98E-03	9.40E-07	3.99E-07	3.22E-03	1.02E-06	4.31E-07	5.13E-03	1.62E-06	6.87E-07
1747	494561.06, 3859001.99	2.93E-03	9.23E-07	3.92E-07	3.16E-03	9.97E-07	4.23E-07	5.04E-03	1.59E-06	6.75E-07
1748	494611.06, 3859001.99	2.88E-03	9.08E-07	3.85E-07	3.11E-03	9.81E-07	4.16E-07	4.95E-03	1.56E-06	6.63E-07
1749	494661.06, 3859001.99	2.82E-03	8.89E-07	3.77E-07	3.04E-03	9.60E-07	4.07E-07	4.85E-03	1.53E-06	6.49E-07
1750	494711.06, 3859001.99	2.75E-03	8.67E-07	3.68E-07	2.97E-03	9.36E-07	3.97E-07	4.73E-03	1.49E-06	6.33E-07
1751	494761.06, 3859001.99	2.70E-03	8.53E-07	3.62E-07	2.92E-03	9.21E-07	3.91E-07	4.65E-03	1.47E-06	6.23E-07
1752	494811.06, 3859001.99	2.68E-03	8.45E-07	3.59E-07	2.89E-03	9.13E-07	3.87E-07	4.61E-03	1.45E-06	6.17E-07
1753	494861.06, 3859001.99	2.63E-03	8.30E-07	3.52E-07	2.84E-03	8.97E-07	3.81E-07	4.53E-03	1.43E-06	6.06E-07
1754	494911.06, 3859001.99	2.58E-03	8.15E-07	3.46E-07	2.79E-03	8.80E-07	3.73E-07	4.44E-03	1.40E-06	5.95E-07
1755	494961.06, 3859001.99	2.53E-03	7.99E-07	3.39E-07	2.74E-03	8.63E-07	3.66E-07	4.36E-03	1.38E-06	5.84E-07
1756	495011.06, 3859001.99	2.40E-03	7.59E-07	3.22E-07	2.60E-03	8.19E-07	3.48E-07	4.14E-03	1.31E-06	5.54E-07
1757	495061.06, 3859001.99	2.38E-03	7.51E-07	3.18E-07	2.57E-03	8.11E-07	3.44E-07	4.09E-03	1.29E-06	5.48E-07
1758	495111.06, 3859001.99	2.32E-03	7.34E-07	3.11E-07	2.51E-03	7.92E-07	3.36E-07	4.00E-03	1.26E-06	5.35E-07
1759	495161.06, 3859001.99	2.36E-03	7.46E-07	3.17E-07	2.55E-03	8.06E-07	3.42E-07	4.07E-03	1.28E-06	5.44E-07
1760	495211.06, 3859001.99	2.35E-03	7.42E-07	3.15E-07	2.54E-03	8.01E-07	3.40E-07	4.04E-03	1.28E-06	5.42E-07
1761	495261.06, 3859001.99	2.35E-03	7.41E-07	3.15E-07	2.54E-03	8.01E-07	3.40E-07	4.04E-03	1.28E-06	5.41E-07
1762	495311.06, 3859001.99	2.33E-03	7.37E-07	3.13E-07	2.52E-03	7.96E-07	3.38E-07	4.02E-03	1.27E-06	5.38E-07
1763	495361.06, 3859001.99	2.33E-03	7.36E-07	3.12E-07	2.52E-03	7.94E-07	3.37E-07	4.01E-03	1.27E-06	5.37E-07
1764	495411.06, 3859001.99	2.32E-03	7.33E-07	3.11E-07	2.51E-03	7.91E-07	3.36E-07	3.99E-03	1.26E-06	5.35E-07
1765	495461.06, 3859001.99	2.32E-03	7.31E-07	3.10E-07	2.50E-03	7.89E-07	3.35E-07	3.98E-03	1.26E-06	5.33E-07

1766	495511.06, 3859001.99	2.28E-03	7.21E-07	3.06E-07	2.47E-03	7.78E-07	3.30E-07	3.93E-03	1.24E-06	5.26E-07
1767	495561.06, 3859001.99	2.27E-03	7.15E-07	3.03E-07	2.45E-03	7.72E-07	3.28E-07	3.90E-03	1.23E-06	5.22E-07
1768	495611.06, 3859001.99	2.24E-03	7.08E-07	3.01E-07	2.42E-03	7.65E-07	3.25E-07	3.86E-03	1.22E-06	5.17E-07
1769	495661.06, 3859001.99	2.26E-03	7.12E-07	3.02E-07	2.44E-03	7.69E-07	3.26E-07	3.88E-03	1.22E-06	5.20E-07
1770	494311.06, 3859051.99	3.08E-03	9.73E-07	4.13E-07	3.33E-03	1.05E-06	4.46E-07	5.31E-03	1.68E-06	7.11E-07
1771	494361.06, 3859051.99	3.09E-03	9.74E-07	4.13E-07	3.33E-03	1.05E-06	4.46E-07	5.31E-03	1.68E-06	7.12E-07
1772	494411.06, 3859051.99	3.06E-03	9.65E-07	4.09E-07	3.30E-03	1.04E-06	4.42E-07	5.27E-03	1.66E-06	7.05E-07
1773	494461.06, 3859051.99	3.02E-03	9.54E-07	4.05E-07	3.27E-03	1.03E-06	4.37E-07	5.21E-03	1.64E-06	6.97E-07
1774	494511.06, 3859051.99	2.98E-03	9.41E-07	3.99E-07	3.22E-03	1.02E-06	4.31E-07	5.13E-03	1.62E-06	6.87E-07
1775	494561.06, 3859051.99	2.94E-03	9.29E-07	3.94E-07	3.18E-03	1.00E-06	4.26E-07	5.07E-03	1.60E-06	6.79E-07
1776	494611.06, 3859051.99	2.89E-03	9.13E-07	3.87E-07	3.13E-03	9.86E-07	4.18E-07	4.98E-03	1.57E-06	6.67E-07
1777	494661.06, 3859051.99	2.84E-03	8.96E-07	3.80E-07	3.07E-03	9.68E-07	4.11E-07	4.89E-03	1.54E-06	6.55E-07
1778	494711.06, 3859051.99	2.79E-03	8.80E-07	3.73E-07	3.01E-03	9.51E-07	4.03E-07	4.80E-03	1.52E-06	6.43E-07
1779	494761.06, 3859051.99	2.74E-03	8.64E-07	3.66E-07	2.95E-03	9.33E-07	3.96E-07	4.71E-03	1.49E-06	6.31E-07
1780	494811.06, 3859051.99	2.70E-03	8.52E-07	3.61E-07	2.92E-03	9.20E-07	3.90E-07	4.65E-03	1.47E-06	6.22E-07
1781	494861.06, 3859051.99	2.66E-03	8.40E-07	3.56E-07	2.87E-03	9.07E-07	3.85E-07	4.58E-03	1.45E-06	6.13E-07
1782	494911.06, 3859051.99	2.60E-03	8.21E-07	3.49E-07	2.81E-03	8.87E-07	3.76E-07	4.48E-03	1.41E-06	6.00E-07
1783	494961.06, 3859051.99	2.52E-03	7.94E-07	3.37E-07	2.72E-03	8.58E-07	3.64E-07	4.33E-03	1.37E-06	5.80E-07
1784	495011.06, 3859051.99	2.45E-03	7.74E-07	3.28E-07	2.65E-03	8.36E-07	3.55E-07	4.22E-03	1.33E-06	5.65E-07
1785	495061.06, 3859051.99	2.41E-03	7.61E-07	3.23E-07	2.60E-03	8.21E-07	3.49E-07	4.15E-03	1.31E-06	5.55E-07
1786	495111.06, 3859051.99	2.39E-03	7.54E-07	3.20E-07	2.58E-03	8.14E-07	3.45E-07	4.11E-03	1.30E-06	5.50E-07
1787	495161.06, 3859051.99	2.41E-03	7.59E-07	3.22E-07	2.60E-03	8.20E-07	3.48E-07	4.14E-03	1.31E-06	5.54E-07
1788	495211.06, 3859051.99	2.38E-03	7.51E-07	3.19E-07	2.57E-03	8.11E-07	3.44E-07	4.09E-03	1.29E-06	5.48E-07
1789	495261.06, 3859051.99	2.39E-03	7.53E-07	3.19E-07	2.58E-03	8.13E-07	3.45E-07	4.10E-03	1.30E-06	5.50E-07
1790	495311.06, 3859051.99	2.37E-03	7.47E-07	3.17E-07	2.56E-03	8.07E-07	3.42E-07	4.07E-03	1.29E-06	5.45E-07
1791	495361.06, 3859051.99	2.36E-03	7.45E-07	3.16E-07	2.55E-03	8.04E-07	3.41E-07	4.06E-03	1.28E-06	5.44E-07
1792	495411.06, 3859051.99	2.36E-03	7.44E-07	3.16E-07	2.55E-03	8.04E-07	3.41E-07	4.06E-03	1.28E-06	5.43E-07
1793	495461.06, 3859051.99	2.36E-03	7.44E-07	3.16E-07	2.54E-03	8.03E-07	3.41E-07	4.06E-03	1.28E-06	5.43E-07
1794	495511.06, 3859051.99	2.32E-03	7.33E-07	3.11E-07	2.51E-03	7.92E-07	3.36E-07	4.00E-03	1.26E-06	5.35E-07
1795	495561.06, 3859051.99	2.30E-03	7.25E-07	3.08E-07	2.48E-03	7.83E-07	3.32E-07	3.95E-03	1.25E-06	5.30E-07
1796	495611.06, 3859051.99	2.28E-03	7.19E-07	3.05E-07	2.46E-03	7.76E-07	3.29E-07	3.92E-03	1.24E-06	5.25E-07
1797	495661.06, 3859051.99	2.29E-03	7.21E-07	3.06E-07	2.47E-03	7.79E-07	3.31E-07	3.93E-03	1.24E-06	5.27E-07
1798	494311.06, 3859101.99	3.14E-03	9.90E-07	4.20E-07	3.39E-03	1.07E-06	4.54E-07	5.41E-03	1.71E-06	7.24E-07
1799	494361.06, 3859101.99	3.11E-03	9.83E-07	4.17E-07	3.36E-03	1.06E-06	4.50E-07	5.36E-03	1.69E-06	7.18E-07
1800	494411.06, 3859101.99	3.09E-03	9.76E-07	4.14E-07	3.34E-03	1.05E-06	4.47E-07	5.33E-03	1.68E-06	7.14E-07
1801	494461.06, 3859101.99	3.06E-03	9.65E-07	4.10E-07	3.30E-03	1.04E-06	4.42E-07	5.27E-03	1.66E-06	7.06E-07
1802	494511.06, 3859101.99	3.01E-03	9.49E-07	4.03E-07	3.25E-03	1.03E-06	4.35E-07	5.18E-03	1.63E-06	6.94E-07
1803	494561.06, 3859101.99	2.97E-03	9.36E-07	3.97E-07	3.20E-03	1.01E-06	4.29E-07	5.11E-03	1.61E-06	6.84E-07
1804	494611.06, 3859101.99	2.90E-03	9.17E-07	3.89E-07	3.14E-03	9.90E-07	4.20E-07	5.00E-03	1.58E-06	6.70E-07
1805	494661.06, 3859101.99	2.86E-03	9.04E-07	3.84E-07	3.09E-03	9.77E-07	4.14E-07	4.93E-03	1.56E-06	6.61E-07
1806	494711.06, 3859101.99	2.79E-03	8.82E-07	3.74E-07	3.02E-03	9.52E-07	4.04E-07	4.81E-03	1.52E-06	6.44E-07
1807	494761.06, 3859101.99	2.78E-03	8.76E-07	3.72E-07	3.00E-03	9.46E-07	4.01E-07	4.78E-03	1.51E-06	6.40E-07
1808	494811.06, 3859101.99	2.73E-03	8.61E-07	3.66E-07	2.95E-03	9.30E-07	3.95E-07	4.70E-03	1.48E-06	6.29E-07
1809	494861.06, 3859101.99	2.69E-03	8.49E-07	3.60E-07	2.90E-03	9.17E-07	3.89E-07	4.63E-03	1.46E-06	6.20E-07
1810	494911.06, 3859101.99	2.63E-03	8.30E-07	3.52E-07	2.84E-03	8.96E-07	3.80E-07	4.53E-03	1.43E-06	6.06E-07
1811	494961.06, 3859101.99	2.54E-03	8.01E-07	3.40E-07	2.74E-03	8.65E-07	3.67E-07	4.37E-03	1.38E-06	5.85E-07
1812	495011.06, 3859101.99	2.44E-03	7.71E-07	3.27E-07	2.64E-03	8.33E-07	3.53E-07	4.20E-03	1.33E-06	5.63E-07
1813	495061.06, 3859101.99	2.44E-03	7.71E-07	3.27E-07	2.64E-03	8.33E-07	3.53E-07	4.20E-03	1.33E-06	5.63E-07
1814	495111.06, 3859101.99	2.42E-03	7.63E-07	3.24E-07	2.61E-03	8.24E-07	3.50E-07	4.16E-03	1.31E-06	5.57E-07
1815	495161.06, 3859101.99	2.43E-03	7.68E-07	3.26E-07	2.63E-03	8.30E-07	3.52E-07	4.19E-03	1.32E-06	5.61E-07
1816	495211.06, 3859101.99	2.42E-03	7.62E-07	3.23E-07	2.61E-03	8.23E-07	3.49E-07	4.16E-03	1.31E-06	5.57E-07
1817	495261.06, 3859101.99	2.41E-03	7.61E-07	3.23E-07	2.60E-03	8.22E-07	3.49E-07	4.15E-03	1.31E-06	5.56E-07
1818	495311.06, 3859101.99	2.40E-03	7.58E-07	3.22E-07	2.60E-03	8.19E-07	3.48E-07	4.14E-03	1.31E-06	5.54E-07
1819	495361.06, 3859101.99	2.40E-03	7.59E-07	3.22E-07	2.60E-03	8.20E-07	3.48E-07	4.14E-03	1.31E-06	5.54E-07
1820	495411.06, 3859101.99	2.40E-03	7.57E-07	3.21E-07	2.59E-03	8.17E-07	3.47E-07	4.13E-03	1.30E-06	5.53E-07
1821	495461.06, 3859101.99	2.38E-03	7.50E-07	3.18E-07	2.57E-03	8.10E-07	3.44E-07	4.09E-03	1.29E-06	5.48E-07
1822	495511.06, 3859101.99	2.36E-03	7.46E-07	3.17E-07	2.55E-03	8.06E-07	3.42E-07	4.07E-03	1.28E-06	5.45E-07
1823	495561.06, 3859101.99	2.34E-03	7.39E-07	3.14E-07	2.53E-03	7.98E-07	3.39E-07	4.03E-03	1.27E-06	5.40E-07
1824	495611.06, 3859101.99	2.32E-03	7.31E-07	3.10E-07	2.50E-03	7.89E-07	3.35E-07	3.98E-03	1.26E-06	5.34E-07
1825	495661.06, 3859101.99	2.31E-03	7.30E-07	3.10E-07	2.50E-03	7.89E-07	3.35E-07	3.98E-03	1.26E-06	5.33E-07
1826	494311.06, 3859151.99	3.17E-03	1.00E-06	4.24E-07	3.42E-03	1.08E-06	4.58E-07	5.46E-03	1.72E-06	7.31E-07

1827	494361.06, 3859151.99	3.15E-03	9.95E-07	4.22E-07	3.40E-03	1.07E-06	4.56E-07	5.43E-03	1.71E-06	7.27E-07
1828	494411.06, 3859151.99	3.11E-03	9.82E-07	4.17E-07	3.36E-03	1.06E-06	4.50E-07	5.36E-03	1.69E-06	7.18E-07
1829	494461.06, 3859151.99	3.07E-03	9.69E-07	4.11E-07	3.32E-03	1.05E-06	4.44E-07	5.29E-03	1.67E-06	7.08E-07
1830	494511.06, 3859151.99	3.02E-03	9.52E-07	4.04E-07	3.26E-03	1.03E-06	4.36E-07	5.20E-03	1.64E-06	6.96E-07
1831	494561.06, 3859151.99	2.98E-03	9.42E-07	4.00E-07	3.22E-03	1.02E-06	4.32E-07	5.14E-03	1.62E-06	6.88E-07
1832	494611.06, 3859151.99	2.93E-03	9.24E-07	3.92E-07	3.16E-03	9.98E-07	4.24E-07	5.05E-03	1.59E-06	6.76E-07
1833	494661.06, 3859151.99	2.89E-03	9.13E-07	3.88E-07	3.13E-03	9.86E-07	4.19E-07	4.98E-03	1.57E-06	6.68E-07
1834	494711.06, 3859151.99	2.86E-03	9.04E-07	3.84E-07	3.09E-03	9.76E-07	4.14E-07	4.93E-03	1.56E-06	6.61E-07
1835	494761.06, 3859151.99	2.80E-03	8.84E-07	3.75E-07	3.02E-03	9.55E-07	4.05E-07	4.82E-03	1.52E-06	6.46E-07
1836	494811.06, 3859151.99	2.75E-03	8.67E-07	3.68E-07	2.97E-03	9.36E-07	3.97E-07	4.73E-03	1.49E-06	6.34E-07
1837	494861.06, 3859151.99	2.71E-03	8.56E-07	3.63E-07	2.93E-03	9.25E-07	3.92E-07	4.67E-03	1.47E-06	6.26E-07
1838	494911.06, 3859151.99	2.65E-03	8.35E-07	3.54E-07	2.86E-03	9.02E-07	3.83E-07	4.56E-03	1.44E-06	6.10E-07
1839	494961.06, 3859151.99	2.56E-03	8.07E-07	3.43E-07	2.76E-03	8.72E-07	3.70E-07	4.40E-03	1.39E-06	5.90E-07
1840	495011.06, 3859151.99	2.47E-03	7.81E-07	3.31E-07	2.67E-03	8.43E-07	3.58E-07	4.26E-03	1.34E-06	5.70E-07
1841	495061.06, 3859151.99	2.47E-03	7.78E-07	3.30E-07	2.66E-03	8.41E-07	3.57E-07	4.24E-03	1.34E-06	5.68E-07
1842	495111.06, 3859151.99	2.45E-03	7.74E-07	3.28E-07	2.65E-03	8.35E-07	3.54E-07	4.22E-03	1.33E-06	5.65E-07
1843	495161.06, 3859151.99	2.47E-03	7.79E-07	3.30E-07	2.67E-03	8.41E-07	3.57E-07	4.25E-03	1.34E-06	5.69E-07
1844	495211.06, 3859151.99	2.46E-03	7.75E-07	3.29E-07	2.65E-03	8.37E-07	3.55E-07	4.23E-03	1.33E-06	5.66E-07
1845	495261.06, 3859151.99	2.44E-03	7.71E-07	3.27E-07	2.64E-03	8.33E-07	3.53E-07	4.21E-03	1.33E-06	5.63E-07
1846	495311.06, 3859151.99	2.44E-03	7.69E-07	3.26E-07	2.63E-03	8.30E-07	3.52E-07	4.19E-03	1.32E-06	5.62E-07
1847	495361.06, 3859151.99	2.43E-03	7.66E-07	3.25E-07	2.62E-03	8.27E-07	3.51E-07	4.18E-03	1.32E-06	5.59E-07
1848	495411.06, 3859151.99	2.44E-03	7.70E-07	3.27E-07	2.63E-03	8.31E-07	3.53E-07	4.20E-03	1.33E-06	5.62E-07
1849	495461.06, 3859151.99	2.43E-03	7.67E-07	3.25E-07	2.62E-03	8.28E-07	3.51E-07	4.18E-03	1.32E-06	5.60E-07
1850	495511.06, 3859151.99	2.40E-03	7.57E-07	3.21E-07	2.59E-03	8.18E-07	3.47E-07	4.13E-03	1.30E-06	5.53E-07
1851	495561.06, 3859151.99	2.38E-03	7.51E-07	3.19E-07	2.57E-03	8.11E-07	3.44E-07	4.10E-03	1.29E-06	5.48E-07
1852	495611.06, 3859151.99	2.36E-03	7.45E-07	3.16E-07	2.55E-03	8.05E-07	3.41E-07	4.06E-03	1.28E-06	5.44E-07
1853	495661.06, 3859151.99	2.35E-03	7.41E-07	3.14E-07	2.53E-03	8.00E-07	3.39E-07	4.04E-03	1.27E-06	5.41E-07
1854	494311.06, 3859201.99	3.19E-03	1.01E-06	4.27E-07	3.44E-03	1.09E-06	4.61E-07	5.49E-03	1.73E-06	7.36E-07
1855	494361.06, 3859201.99	3.16E-03	9.99E-07	4.24E-07	3.42E-03	1.08E-06	4.58E-07	5.45E-03	1.72E-06	7.30E-07
1856	494411.06, 3859201.99	3.13E-03	9.88E-07	4.19E-07	3.38E-03	1.07E-06	4.53E-07	5.39E-03	1.70E-06	7.22E-07
1857	494461.06, 3859201.99	3.08E-03	9.72E-07	4.13E-07	3.33E-03	1.05E-06	4.46E-07	5.31E-03	1.68E-06	7.11E-07
1858	494511.06, 3859201.99	3.05E-03	9.62E-07	4.08E-07	3.29E-03	1.04E-06	4.41E-07	5.25E-03	1.66E-06	7.03E-07
1859	494561.06, 3859201.99	2.99E-03	9.44E-07	4.01E-07	3.23E-03	1.02E-06	4.33E-07	5.15E-03	1.63E-06	6.90E-07
1860	494611.06, 3859201.99	2.95E-03	9.30E-07	3.95E-07	3.18E-03	1.00E-06	4.26E-07	5.08E-03	1.60E-06	6.80E-07
1861	494661.06, 3859201.99	2.91E-03	9.19E-07	3.90E-07	3.15E-03	9.93E-07	4.21E-07	5.02E-03	1.58E-06	6.72E-07
1862	494711.06, 3859201.99	2.88E-03	9.08E-07	3.85E-07	3.11E-03	9.81E-07	4.16E-07	4.96E-03	1.56E-06	6.64E-07
1863	494761.06, 3859201.99	2.82E-03	8.90E-07	3.78E-07	3.05E-03	9.61E-07	4.08E-07	4.86E-03	1.53E-06	6.50E-07
1864	494811.06, 3859201.99	2.77E-03	8.75E-07	3.71E-07	2.99E-03	9.45E-07	4.01E-07	4.77E-03	1.51E-06	6.39E-07
1865	494861.06, 3859201.99	2.72E-03	8.57E-07	3.64E-07	2.93E-03	9.26E-07	3.93E-07	4.68E-03	1.48E-06	6.26E-07
1866	494911.06, 3859201.99	2.64E-03	8.34E-07	3.54E-07	2.85E-03	9.01E-07	3.82E-07	4.55E-03	1.44E-06	6.09E-07
1867	494961.06, 3859201.99	2.57E-03	8.10E-07	3.44E-07	2.77E-03	8.75E-07	3.71E-07	4.42E-03	1.40E-06	5.92E-07
1868	495011.06, 3859201.99	2.47E-03	7.79E-07	3.30E-07	2.66E-03	8.41E-07	3.57E-07	4.25E-03	1.34E-06	5.69E-07
1869	495061.06, 3859201.99	2.50E-03	7.90E-07	3.35E-07	2.70E-03	8.53E-07	3.62E-07	4.31E-03	1.36E-06	5.77E-07
1870	495111.06, 3859201.99	2.50E-03	7.90E-07	3.35E-07	2.70E-03	8.53E-07	3.62E-07	4.31E-03	1.36E-06	5.77E-07
1871	495161.06, 3859201.99	2.50E-03	7.87E-07	3.34E-07	2.69E-03	8.50E-07	3.61E-07	4.30E-03	1.36E-06	5.75E-07
1872	495211.06, 3859201.99	2.47E-03	7.81E-07	3.31E-07	2.67E-03	8.43E-07	3.58E-07	4.26E-03	1.34E-06	5.70E-07
1873	495261.06, 3859201.99	2.47E-03	7.81E-07	3.31E-07	2.67E-03	8.43E-07	3.58E-07	4.26E-03	1.34E-06	5.70E-07
1874	495311.06, 3859201.99	2.47E-03	7.78E-07	3.30E-07	2.66E-03	8.41E-07	3.57E-07	4.25E-03	1.34E-06	5.69E-07
1875	495361.06, 3859201.99	2.46E-03	7.77E-07	3.30E-07	2.66E-03	8.39E-07	3.56E-07	4.24E-03	1.34E-06	5.68E-07
1876	495411.06, 3859201.99	2.47E-03	7.80E-07	3.31E-07	2.67E-03	8.42E-07	3.57E-07	4.25E-03	1.34E-06	5.70E-07
1877	495461.06, 3859201.99	2.46E-03	7.75E-07	3.29E-07	2.65E-03	8.37E-07	3.55E-07	4.23E-03	1.33E-06	5.66E-07
1878	495511.06, 3859201.99	2.44E-03	7.71E-07	3.27E-07	2.64E-03	8.33E-07	3.53E-07	4.21E-03	1.33E-06	5.63E-07
1879	495561.06, 3859201.99	2.41E-03	7.61E-07	3.23E-07	2.60E-03	8.22E-07	3.49E-07	4.15E-03	1.31E-06	5.56E-07
1880	495611.06, 3859201.99	2.39E-03	7.54E-07	3.20E-07	2.58E-03	8.14E-07	3.45E-07	4.11E-03	1.30E-06	5.51E-07
1881	495661.06, 3859201.99	2.37E-03	7.49E-07	3.18E-07	2.56E-03	8.09E-07	3.43E-07	4.09E-03	1.29E-06	5.47E-07
1882	494311.06, 3859251.99	3.20E-03	1.01E-06	4.29E-07	3.46E-03	1.09E-06	4.63E-07	5.52E-03	1.74E-06	7.39E-07
1883	494361.06, 3859251.99	3.17E-03	1.00E-06	4.24E-07	3.42E-03	1.08E-06	4.58E-07	5.46E-03	1.72E-06	7.31E-07
1884	494411.06, 3859251.99	3.12E-03	9.85E-07	4.18E-07	3.37E-03	1.06E-06	4.51E-07	5.38E-03	1.70E-06	7.20E-07
1885	494461.06, 3859251.99	3.09E-03	9.75E-07	4.14E-07	3.34E-03	1.05E-06	4.47E-07	5.32E-03	1.68E-06	7.13E-07
1886	494511.06, 3859251.99	3.03E-03	9.58E-07	4.06E-07	3.28E-03	1.03E-06	4.39E-07	5.23E-03	1.65E-06	7.00E-07
1887	494561.06, 3859251.99	3.00E-03	9.47E-07	4.02E-07	3.24E-03	1.02E-06	4.34E-07	5.17E-03	1.63E-06	6.92E-07

1888	494611.06, 3859251.99	2.95E-03	9.32E-07	3.95E-07	3.19E-03	1.01E-06	4.27E-07	5.09E-03	1.61E-06	6.81E-07
1889	494661.06, 3859251.99	2.93E-03	9.24E-07	3.92E-07	3.16E-03	9.98E-07	4.24E-07	5.04E-03	1.59E-06	6.76E-07
1890	494711.06, 3859251.99	2.89E-03	9.13E-07	3.87E-07	3.13E-03	9.86E-07	4.18E-07	4.98E-03	1.57E-06	6.67E-07
1891	494761.06, 3859251.99	2.80E-03	8.85E-07	3.76E-07	3.03E-03	9.56E-07	4.06E-07	4.83E-03	1.52E-06	6.47E-07
1892	494811.06, 3859251.99	2.79E-03	8.81E-07	3.74E-07	3.01E-03	9.51E-07	4.04E-07	4.81E-03	1.52E-06	6.44E-07
1893	494861.06, 3859251.99	2.71E-03	8.55E-07	3.63E-07	2.93E-03	9.24E-07	3.92E-07	4.67E-03	1.47E-06	6.25E-07
1894	494911.06, 3859251.99	2.64E-03	8.32E-07	3.53E-07	2.85E-03	8.99E-07	3.81E-07	4.54E-03	1.43E-06	6.08E-07
1895	494961.06, 3859251.99	2.60E-03	8.21E-07	3.48E-07	2.81E-03	8.87E-07	3.76E-07	4.48E-03	1.41E-06	6.00E-07
1896	495011.06, 3859251.99	2.56E-03	8.07E-07	3.42E-07	2.76E-03	8.71E-07	3.70E-07	4.40E-03	1.39E-06	5.89E-07
1897	495061.06, 3859251.99	2.56E-03	8.07E-07	3.43E-07	2.76E-03	8.72E-07	3.70E-07	4.41E-03	1.39E-06	5.90E-07
1898	495111.06, 3859251.99	2.54E-03	8.02E-07	3.40E-07	2.74E-03	8.66E-07	3.68E-07	4.38E-03	1.38E-06	5.86E-07
1899	495161.06, 3859251.99	2.53E-03	7.99E-07	3.39E-07	2.74E-03	8.63E-07	3.66E-07	4.36E-03	1.38E-06	5.84E-07
1900	495211.06, 3859251.99	2.51E-03	7.93E-07	3.37E-07	2.71E-03	8.57E-07	3.64E-07	4.33E-03	1.37E-06	5.80E-07
1901	495261.06, 3859251.99	2.51E-03	7.91E-07	3.36E-07	2.71E-03	8.55E-07	3.63E-07	4.32E-03	1.36E-06	5.78E-07
1902	495311.06, 3859251.99	2.51E-03	7.91E-07	3.36E-07	2.71E-03	8.55E-07	3.63E-07	4.32E-03	1.36E-06	5.78E-07
1903	495361.06, 3859251.99	2.50E-03	7.88E-07	3.34E-07	2.70E-03	8.51E-07	3.61E-07	4.30E-03	1.36E-06	5.76E-07
1904	495411.06, 3859251.99	2.50E-03	7.89E-07	3.35E-07	2.70E-03	8.52E-07	3.62E-07	4.31E-03	1.36E-06	5.77E-07
1905	495461.06, 3859251.99	2.49E-03	7.85E-07	3.33E-07	2.69E-03	8.48E-07	3.60E-07	4.28E-03	1.35E-06	5.74E-07
1906	495511.06, 3859251.99	2.46E-03	7.76E-07	3.29E-07	2.66E-03	8.38E-07	3.56E-07	4.24E-03	1.34E-06	5.67E-07
1907	495561.06, 3859251.99	2.44E-03	7.69E-07	3.26E-07	2.63E-03	8.31E-07	3.53E-07	4.20E-03	1.32E-06	5.62E-07
1908	495611.06, 3859251.99	2.41E-03	7.61E-07	3.23E-07	2.60E-03	8.22E-07	3.49E-07	4.15E-03	1.31E-06	5.56E-07
1909	495661.06, 3859251.99	2.39E-03	7.55E-07	3.20E-07	2.58E-03	8.16E-07	3.46E-07	4.12E-03	1.30E-06	5.52E-07
1910	494311.06, 3859301.99	3.21E-03	1.01E-06	4.30E-07	3.47E-03	1.09E-06	4.64E-07	5.53E-03	1.75E-06	7.40E-07
1911	494361.06, 3859301.99	3.17E-03	1.00E-06	4.25E-07	3.43E-03	1.08E-06	4.59E-07	5.47E-03	1.73E-06	7.32E-07
1912	494411.06, 3859301.99	3.13E-03	9.87E-07	4.19E-07	3.38E-03	1.07E-06	4.52E-07	5.39E-03	1.70E-06	7.22E-07
1913	494461.06, 3859301.99	3.08E-03	9.72E-07	4.13E-07	3.33E-03	1.05E-06	4.46E-07	5.31E-03	1.68E-06	7.11E-07
1914	494511.06, 3859301.99	3.04E-03	9.59E-07	4.07E-07	3.28E-03	1.04E-06	4.40E-07	5.24E-03	1.65E-06	7.01E-07
1915	494561.06, 3859301.99	3.01E-03	9.49E-07	4.03E-07	3.25E-03	1.02E-06	4.35E-07	5.18E-03	1.63E-06	6.93E-07
1916	494611.06, 3859301.99	2.97E-03	9.37E-07	3.98E-07	3.21E-03	1.01E-06	4.29E-07	5.11E-03	1.61E-06	6.85E-07
1917	494661.06, 3859301.99	2.93E-03	9.26E-07	3.93E-07	3.17E-03	1.00E-06	4.24E-07	5.05E-03	1.59E-06	6.76E-07
1918	494711.06, 3859301.99	2.89E-03	9.11E-07	3.87E-07	3.12E-03	9.84E-07	4.18E-07	4.97E-03	1.57E-06	6.66E-07
1919	494761.06, 3859301.99	2.85E-03	8.99E-07	3.81E-07	3.08E-03	9.71E-07	4.12E-07	4.91E-03	1.55E-06	6.57E-07
1920	494811.06, 3859301.99	2.79E-03	8.81E-07	3.74E-07	3.01E-03	9.51E-07	4.04E-07	4.81E-03	1.52E-06	6.44E-07
1921	494861.06, 3859301.99	2.71E-03	8.55E-07	3.63E-07	2.93E-03	9.23E-07	3.92E-07	4.67E-03	1.47E-06	6.25E-07
1922	494911.06, 3859301.99	2.67E-03	8.42E-07	3.57E-07	2.88E-03	9.10E-07	3.86E-07	4.60E-03	1.45E-06	6.16E-07
1923	494961.06, 3859301.99	2.59E-03	8.17E-07	3.46E-07	2.79E-03	8.82E-07	3.74E-07	4.46E-03	1.41E-06	5.97E-07
1924	495011.06, 3859301.99	2.56E-03	8.07E-07	3.43E-07	2.76E-03	8.72E-07	3.70E-07	4.41E-03	1.39E-06	5.90E-07
1925	495061.06, 3859301.99	2.59E-03	8.19E-07	3.47E-07	2.80E-03	8.84E-07	3.75E-07	4.47E-03	1.41E-06	5.98E-07
1926	495111.06, 3859301.99	2.55E-03	8.06E-07	3.42E-07	2.76E-03	8.70E-07	3.69E-07	4.40E-03	1.39E-06	5.89E-07
1927	495161.06, 3859301.99	2.54E-03	8.03E-07	3.41E-07	2.75E-03	8.67E-07	3.68E-07	4.38E-03	1.38E-06	5.87E-07
1928	495211.06, 3859301.99	2.55E-03	8.06E-07	3.42E-07	2.76E-03	8.71E-07	3.69E-07	4.40E-03	1.39E-06	5.89E-07
1929	495261.06, 3859301.99	2.55E-03	8.05E-07	3.42E-07	2.76E-03	8.70E-07	3.69E-07	4.40E-03	1.39E-06	5.89E-07
1930	495311.06, 3859301.99	2.52E-03	7.97E-07	3.38E-07	2.73E-03	8.60E-07	3.65E-07	4.35E-03	1.37E-06	5.82E-07
1931	495361.06, 3859301.99	2.53E-03	7.97E-07	3.38E-07	2.73E-03	8.61E-07	3.65E-07	4.35E-03	1.37E-06	5.82E-07
1932	495411.06, 3859301.99	2.52E-03	7.94E-07	3.37E-07	2.72E-03	8.58E-07	3.64E-07	4.34E-03	1.37E-06	5.81E-07
1933	495461.06, 3859301.99	2.51E-03	7.93E-07	3.36E-07	2.71E-03	8.56E-07	3.63E-07	4.33E-03	1.37E-06	5.79E-07
1934	495511.06, 3859301.99	2.49E-03	7.85E-07	3.33E-07	2.69E-03	8.48E-07	3.60E-07	4.28E-03	1.35E-06	5.74E-07
1935	495561.06, 3859301.99	2.45E-03	7.72E-07	3.28E-07	2.64E-03	8.34E-07	3.54E-07	4.21E-03	1.33E-06	5.64E-07
1936	495611.06, 3859301.99	2.43E-03	7.67E-07	3.25E-07	2.62E-03	8.28E-07	3.51E-07	4.18E-03	1.32E-06	5.60E-07
1937	495661.06, 3859301.99	2.41E-03	7.61E-07	3.23E-07	2.60E-03	8.22E-07	3.49E-07	4.15E-03	1.31E-06	5.56E-07
1938	494311.06, 3859351.99	3.20E-03	1.01E-06	4.28E-07	3.46E-03	1.09E-06	4.63E-07	5.51E-03	1.74E-06	7.38E-07
1939	494361.06, 3859351.99	3.16E-03	9.99E-07	4.24E-07	3.42E-03	1.08E-06	4.58E-07	5.45E-03	1.72E-06	7.30E-07
1940	494411.06, 3859351.99	3.12E-03	9.83E-07	4.17E-07	3.37E-03	1.06E-06	4.51E-07	5.37E-03	1.69E-06	7.19E-07
1941	494461.06, 3859351.99	3.07E-03	9.70E-07	4.12E-07	3.32E-03	1.05E-06	4.45E-07	5.29E-03	1.67E-06	7.09E-07
1942	494511.06, 3859351.99	3.04E-03	9.58E-07	4.07E-07	3.28E-03	1.03E-06	4.39E-07	5.23E-03	1.65E-06	7.00E-07
1943	494561.06, 3859351.99	3.01E-03	9.49E-07	4.03E-07	3.25E-03	1.03E-06	4.35E-07	5.18E-03	1.64E-06	6.94E-07
1944	494611.06, 3859351.99	2.97E-03	9.39E-07	3.98E-07	3.21E-03	1.01E-06	4.30E-07	5.12E-03	1.62E-06	6.86E-07
1945	494661.06, 3859351.99	2.94E-03	9.27E-07	3.93E-07	3.17E-03	1.00E-06	4.25E-07	5.06E-03	1.60E-06	6.78E-07
1946	494711.06, 3859351.99	2.89E-03	9.13E-07	3.87E-07	3.12E-03	9.86E-07	4.18E-07	4.98E-03	1.57E-06	6.67E-07
1947	494761.06, 3859351.99	2.83E-03	8.94E-07	3.79E-07	3.06E-03	9.65E-07	4.09E-07	4.88E-03	1.54E-06	6.53E-07
1948	494811.06, 3859351.99	2.75E-03	8.67E-07	3.68E-07	2.97E-03	9.37E-07	3.97E-07	4.73E-03	1.49E-06	6.34E-07

1949	494861.06, 3859351.99	2.72E-03	8.57E-07	3.64E-07	2.93E-03	9.26E-07	3.93E-07	4.68E-03	1.48E-06	6.27E-07
1950	494911.06, 3859351.99	2.70E-03	8.51E-07	3.61E-07	2.91E-03	9.19E-07	3.90E-07	4.64E-03	1.47E-06	6.22E-07
1951	494961.06, 3859351.99	2.66E-03	8.39E-07	3.56E-07	2.87E-03	9.06E-07	3.84E-07	4.58E-03	1.45E-06	6.13E-07
1952	495011.06, 3859351.99	2.63E-03	8.31E-07	3.52E-07	2.84E-03	8.97E-07	3.81E-07	4.53E-03	1.43E-06	6.07E-07
1953	495061.06, 3859351.99	2.65E-03	8.36E-07	3.55E-07	2.86E-03	9.03E-07	3.83E-07	4.56E-03	1.44E-06	6.11E-07
1954	495111.06, 3859351.99	2.62E-03	8.26E-07	3.51E-07	2.83E-03	8.93E-07	3.79E-07	4.51E-03	1.42E-06	6.04E-07
1955	495161.06, 3859351.99	2.61E-03	8.22E-07	3.49E-07	2.81E-03	8.88E-07	3.77E-07	4.49E-03	1.42E-06	6.01E-07
1956	495211.06, 3859351.99	2.59E-03	8.17E-07	3.47E-07	2.80E-03	8.83E-07	3.75E-07	4.46E-03	1.41E-06	5.97E-07
1957	495261.06, 3859351.99	2.59E-03	8.16E-07	3.46E-07	2.79E-03	8.81E-07	3.74E-07	4.45E-03	1.41E-06	5.96E-07
1958	495311.06, 3859351.99	2.56E-03	8.08E-07	3.43E-07	2.77E-03	8.73E-07	3.70E-07	4.41E-03	1.39E-06	5.91E-07
1959	495361.06, 3859351.99	2.55E-03	8.04E-07	3.41E-07	2.75E-03	8.69E-07	3.69E-07	4.39E-03	1.39E-06	5.88E-07
1960	495411.06, 3859351.99	2.54E-03	8.02E-07	3.40E-07	2.75E-03	8.67E-07	3.68E-07	4.38E-03	1.38E-06	5.86E-07
1961	495461.06, 3859351.99	2.54E-03	8.02E-07	3.40E-07	2.75E-03	8.66E-07	3.68E-07	4.38E-03	1.38E-06	5.86E-07
1962	495511.06, 3859351.99	2.51E-03	7.91E-07	3.36E-07	2.71E-03	8.55E-07	3.63E-07	4.32E-03	1.36E-06	5.78E-07
1963	495561.06, 3859351.99	2.48E-03	7.84E-07	3.32E-07	2.68E-03	8.46E-07	3.59E-07	4.28E-03	1.35E-06	5.73E-07
1964	495611.06, 3859351.99	2.47E-03	7.78E-07	3.30E-07	2.66E-03	8.40E-07	3.57E-07	4.25E-03	1.34E-06	5.69E-07
1965	495661.06, 3859351.99	2.43E-03	7.67E-07	3.26E-07	2.63E-03	8.29E-07	3.52E-07	4.19E-03	1.32E-06	5.61E-07
1966	494311.06, 3859401.99	3.19E-03	1.01E-06	4.28E-07	3.45E-03	1.09E-06	4.62E-07	5.50E-03	1.74E-06	7.36E-07
1967	494361.06, 3859401.99	3.15E-03	9.94E-07	4.22E-07	3.40E-03	1.07E-06	4.55E-07	5.42E-03	1.71E-06	7.26E-07
1968	494411.06, 3859401.99	3.10E-03	9.79E-07	4.15E-07	3.35E-03	1.06E-06	4.48E-07	5.34E-03	1.69E-06	7.15E-07
1969	494461.06, 3859401.99	3.06E-03	9.67E-07	4.10E-07	3.31E-03	1.04E-06	4.43E-07	5.28E-03	1.67E-06	7.07E-07
1970	494511.06, 3859401.99	3.04E-03	9.60E-07	4.07E-07	3.28E-03	1.04E-06	4.40E-07	5.24E-03	1.65E-06	7.01E-07
1971	494561.06, 3859401.99	3.01E-03	9.50E-07	4.03E-07	3.25E-03	1.03E-06	4.35E-07	5.19E-03	1.64E-06	6.94E-07
1972	494611.06, 3859401.99	2.97E-03	9.38E-07	3.98E-07	3.21E-03	1.01E-06	4.30E-07	5.12E-03	1.62E-06	6.86E-07
1973	494661.06, 3859401.99	2.95E-03	9.30E-07	3.95E-07	3.18E-03	1.00E-06	4.26E-07	5.08E-03	1.60E-06	6.80E-07
1974	494711.06, 3859401.99	2.91E-03	9.20E-07	3.90E-07	3.15E-03	9.94E-07	4.22E-07	5.02E-03	1.58E-06	6.72E-07
1975	494761.06, 3859401.99	2.85E-03	9.00E-07	3.82E-07	3.08E-03	9.72E-07	4.12E-07	4.91E-03	1.55E-06	6.58E-07
1976	494811.06, 3859401.99	2.80E-03	8.85E-07	3.76E-07	3.03E-03	9.56E-07	4.06E-07	4.83E-03	1.52E-06	6.47E-07
1977	494861.06, 3859401.99	2.74E-03	8.66E-07	3.67E-07	2.96E-03	9.35E-07	3.97E-07	4.73E-03	1.49E-06	6.33E-07
1978	494911.06, 3859401.99	2.71E-03	8.54E-07	3.62E-07	2.92E-03	9.23E-07	3.91E-07	4.66E-03	1.47E-06	6.24E-07
1979	494961.06, 3859401.99	2.69E-03	8.48E-07	3.60E-07	2.90E-03	9.15E-07	3.88E-07	4.63E-03	1.46E-06	6.19E-07
1980	495011.06, 3859401.99	2.67E-03	8.43E-07	3.58E-07	2.89E-03	9.11E-07	3.86E-07	4.60E-03	1.45E-06	6.16E-07
1981	495061.06, 3859401.99	2.66E-03	8.41E-07	3.57E-07	2.88E-03	9.08E-07	3.85E-07	4.59E-03	1.45E-06	6.15E-07
1982	495111.06, 3859401.99	2.63E-03	8.31E-07	3.53E-07	2.84E-03	8.98E-07	3.81E-07	4.54E-03	1.43E-06	6.08E-07
1983	495161.06, 3859401.99	2.62E-03	8.28E-07	3.51E-07	2.83E-03	8.95E-07	3.80E-07	4.52E-03	1.43E-06	6.05E-07
1984	495211.06, 3859401.99	2.62E-03	8.27E-07	3.51E-07	2.83E-03	8.94E-07	3.79E-07	4.52E-03	1.43E-06	6.05E-07
1985	495261.06, 3859401.99	2.61E-03	8.23E-07	3.49E-07	2.82E-03	8.89E-07	3.77E-07	4.49E-03	1.42E-06	6.01E-07
1986	495311.06, 3859401.99	2.59E-03	8.17E-07	3.47E-07	2.80E-03	8.83E-07	3.75E-07	4.46E-03	1.41E-06	5.97E-07
1987	495361.06, 3859401.99	2.59E-03	8.17E-07	3.47E-07	2.80E-03	8.83E-07	3.75E-07	4.46E-03	1.41E-06	5.97E-07
1988	495411.06, 3859401.99	2.58E-03	8.14E-07	3.45E-07	2.79E-03	8.79E-07	3.73E-07	4.44E-03	1.40E-06	5.95E-07
1989	495461.06, 3859401.99	2.56E-03	8.08E-07	3.43E-07	2.76E-03	8.72E-07	3.70E-07	4.41E-03	1.39E-06	5.90E-07
1990	495511.06, 3859401.99	2.53E-03	7.97E-07	3.38E-07	2.73E-03	8.61E-07	3.65E-07	4.35E-03	1.37E-06	5.83E-07
1991	495561.06, 3859401.99	2.49E-03	7.86E-07	3.33E-07	2.69E-03	8.49E-07	3.60E-07	4.29E-03	1.35E-06	5.74E-07
1992	495611.06, 3859401.99	2.47E-03	7.79E-07	3.31E-07	2.67E-03	8.42E-07	3.57E-07	4.25E-03	1.34E-06	5.70E-07
1993	495661.06, 3859401.99	2.45E-03	7.74E-07	3.28E-07	2.65E-03	8.36E-07	3.55E-07	4.23E-03	1.33E-06	5.66E-07
1994	494311.06, 3859451.99	3.17E-03	9.99E-07	4.24E-07	3.42E-03	1.08E-06	4.58E-07	5.45E-03	1.72E-06	7.30E-07
1995	494361.06, 3859451.99	3.13E-03	9.87E-07	4.19E-07	3.38E-03	1.07E-06	4.52E-07	5.38E-03	1.70E-06	7.21E-07
1996	494411.06, 3859451.99	3.07E-03	9.70E-07	4.11E-07	3.32E-03	1.05E-06	4.44E-07	5.29E-03	1.67E-06	7.08E-07
1997	494461.06, 3859451.99	3.05E-03	9.64E-07	4.09E-07	3.30E-03	1.04E-06	4.42E-07	5.26E-03	1.66E-06	7.04E-07
1998	494511.06, 3859451.99	3.02E-03	9.53E-07	4.04E-07	3.26E-03	1.03E-06	4.37E-07	5.20E-03	1.64E-06	6.96E-07
1999	494561.06, 3859451.99	2.99E-03	9.44E-07	4.01E-07	3.23E-03	1.02E-06	4.33E-07	5.15E-03	1.63E-06	6.90E-07
2000	494611.06, 3859451.99	2.98E-03	9.39E-07	3.99E-07	3.21E-03	1.01E-06	4.30E-07	5.13E-03	1.62E-06	6.86E-07
2001	494661.06, 3859451.99	2.94E-03	9.28E-07	3.94E-07	3.17E-03	1.00E-06	4.25E-07	5.06E-03	1.60E-06	6.78E-07
2002	494711.06, 3859451.99	2.90E-03	9.16E-07	3.89E-07	3.13E-03	9.89E-07	4.20E-07	5.00E-03	1.58E-06	6.69E-07
2003	494761.06, 3859451.99	2.87E-03	9.06E-07	3.84E-07	3.10E-03	9.79E-07	4.15E-07	4.94E-03	1.56E-06	6.62E-07
2004	494811.06, 3859451.99	2.82E-03	8.90E-07	3.78E-07	3.05E-03	9.62E-07	4.08E-07	4.86E-03	1.53E-06	6.51E-07
2005	494861.06, 3859451.99	2.78E-03	8.77E-07	3.72E-07	3.00E-03	9.48E-07	4.02E-07	4.79E-03	1.51E-06	6.41E-07
2006	494911.06, 3859451.99	2.75E-03	8.68E-07	3.68E-07	2.97E-03	9.37E-07	3.98E-07	4.74E-03	1.49E-06	6.34E-07
2007	494961.06, 3859451.99	2.73E-03	8.62E-07	3.66E-07	2.95E-03	9.31E-07	3.95E-07	4.71E-03	1.49E-06	6.30E-07
2008	495011.06, 3859451.99	2.71E-03	8.55E-07	3.63E-07	2.93E-03	9.23E-07	3.92E-07	4.67E-03	1.47E-06	6.25E-07
2009	495061.06, 3859451.99	2.69E-03	8.48E-07	3.60E-07	2.90E-03	9.16E-07	3.89E-07	4.63E-03	1.46E-06	6.20E-07

2010 495111.06, 3859451.99	2.66E-03	8.40E-07	3.57E-07	2.88E-03	9.08E-07	3.85E-07	4.59E-03	1.45E-06	6.14E-07
2011 495161.06, 3859451.99	2.65E-03	8.37E-07	3.55E-07	2.87E-03	9.05E-07	3.84E-07	4.57E-03	1.44E-06	6.12E-07
2012 495211.06, 3859451.99	2.65E-03	8.36E-07	3.55E-07	2.86E-03	9.03E-07	3.83E-07	4.56E-03	1.44E-06	6.11E-07
2013 495261.06, 3859451.99	2.64E-03	8.33E-07	3.54E-07	2.85E-03	9.00E-07	3.82E-07	4.55E-03	1.44E-06	6.09E-07
2014 495311.06, 3859451.99	2.62E-03	8.28E-07	3.51E-07	2.83E-03	8.94E-07	3.79E-07	4.52E-03	1.43E-06	6.05E-07
2015 495361.06, 3859451.99	2.61E-03	8.24E-07	3.49E-07	2.82E-03	8.90E-07	3.77E-07	4.50E-03	1.42E-06	6.02E-07
2016 495411.06, 3859451.99	2.59E-03	8.18E-07	3.47E-07	2.80E-03	8.83E-07	3.75E-07	4.46E-03	1.41E-06	5.98E-07
2017 495461.06, 3859451.99	2.58E-03	8.13E-07	3.45E-07	2.78E-03	8.78E-07	3.73E-07	4.44E-03	1.40E-06	5.94E-07
2018 495511.06, 3859451.99	2.54E-03	8.02E-07	3.40E-07	2.74E-03	8.66E-07	3.67E-07	4.38E-03	1.38E-06	5.86E-07
2019 495561.06, 3859451.99	2.52E-03	7.95E-07	3.37E-07	2.72E-03	8.58E-07	3.64E-07	4.34E-03	1.37E-06	5.81E-07
2020 495611.06, 3859451.99	2.50E-03	7.88E-07	3.34E-07	2.70E-03	8.51E-07	3.61E-07	4.30E-03	1.36E-06	5.76E-07
2021 495661.06, 3859451.99	2.48E-03	7.82E-07	3.32E-07	2.68E-03	8.45E-07	3.58E-07	4.27E-03	1.35E-06	5.71E-07
2022 494311.06, 3859501.99	3.14E-03	9.92E-07	4.21E-07	3.40E-03	1.07E-06	4.55E-07	5.41E-03	1.71E-06	7.24E-07
2023 494361.06, 3859501.99	3.11E-03	9.81E-07	4.16E-07	3.36E-03	1.06E-06	4.49E-07	5.35E-03	1.69E-06	7.16E-07
2024 494411.06, 3859501.99	3.04E-03	9.60E-07	4.07E-07	3.29E-03	1.04E-06	4.40E-07	5.24E-03	1.65E-06	7.01E-07
2025 494461.06, 3859501.99	3.04E-03	9.60E-07	4.07E-07	3.28E-03	1.04E-06	4.40E-07	5.24E-03	1.65E-06	7.01E-07
2026 494511.06, 3859501.99	3.01E-03	9.49E-07	4.02E-07	3.25E-03	1.02E-06	4.35E-07	5.17E-03	1.63E-06	6.93E-07
2027 494561.06, 3859501.99	2.97E-03	9.39E-07	3.98E-07	3.21E-03	1.01E-06	4.30E-07	5.12E-03	1.62E-06	6.86E-07
2028 494611.06, 3859501.99	2.98E-03	9.39E-07	3.99E-07	3.21E-03	1.01E-06	4.30E-07	5.12E-03	1.62E-06	6.86E-07
2029 494661.06, 3859501.99	2.94E-03	9.27E-07	3.93E-07	3.17E-03	1.00E-06	4.25E-07	5.06E-03	1.60E-06	6.77E-07
2030 494711.06, 3859501.99	2.89E-03	9.11E-07	3.87E-07	3.12E-03	9.84E-07	4.17E-07	4.97E-03	1.57E-06	6.66E-07
2031 494761.06, 3859501.99	2.88E-03	9.08E-07	3.85E-07	3.11E-03	9.81E-07	4.16E-07	4.96E-03	1.56E-06	6.64E-07
2032 494811.06, 3859501.99	2.81E-03	8.88E-07	3.77E-07	3.04E-03	9.59E-07	4.07E-07	4.85E-03	1.53E-06	6.49E-07
2033 494861.06, 3859501.99	2.79E-03	8.80E-07	3.73E-07	3.01E-03	9.50E-07	4.03E-07	4.80E-03	1.52E-06	6.43E-07
2034 494911.06, 3859501.99	2.77E-03	8.75E-07	3.71E-07	2.99E-03	9.45E-07	4.01E-07	4.78E-03	1.51E-06	6.39E-07
2035 494961.06, 3859501.99	2.74E-03	8.65E-07	3.67E-07	2.96E-03	9.34E-07	3.96E-07	4.72E-03	1.49E-06	6.32E-07
2036 495011.06, 3859501.99	2.72E-03	8.60E-07	3.65E-07	2.94E-03	9.29E-07	3.94E-07	4.69E-03	1.48E-06	6.29E-07
2037 495061.06, 3859501.99	2.71E-03	8.56E-07	3.63E-07	2.93E-03	9.24E-07	3.92E-07	4.67E-03	1.47E-06	6.25E-07
2038 495111.06, 3859501.99	2.68E-03	8.46E-07	3.59E-07	2.89E-03	9.14E-07	3.88E-07	4.62E-03	1.46E-06	6.18E-07
2039 495161.06, 3859501.99	2.67E-03	8.42E-07	3.57E-07	2.88E-03	9.09E-07	3.86E-07	4.60E-03	1.45E-06	6.15E-07
2040 495211.06, 3859501.99	2.66E-03	8.41E-07	3.57E-07	2.88E-03	9.08E-07	3.85E-07	4.59E-03	1.45E-06	6.14E-07
2041 495261.06, 3859501.99	2.65E-03	8.36E-07	3.55E-07	2.86E-03	9.03E-07	3.83E-07	4.57E-03	1.44E-06	6.11E-07
2042 495311.06, 3859501.99	2.64E-03	8.34E-07	3.54E-07	2.85E-03	9.00E-07	3.82E-07	4.55E-03	1.44E-06	6.09E-07
2043 495361.06, 3859501.99	2.63E-03	8.29E-07	3.52E-07	2.84E-03	8.95E-07	3.80E-07	4.52E-03	1.43E-06	6.06E-07
2044 495411.06, 3859501.99	2.61E-03	8.24E-07	3.50E-07	2.82E-03	8.90E-07	3.78E-07	4.50E-03	1.42E-06	6.02E-07
2045 495461.06, 3859501.99	2.59E-03	8.18E-07	3.47E-07	2.80E-03	8.84E-07	3.75E-07	4.47E-03	1.41E-06	5.98E-07
2046 495511.06, 3859501.99	2.55E-03	8.05E-07	3.41E-07	2.75E-03	8.69E-07	3.69E-07	4.39E-03	1.39E-06	5.88E-07
2047 495561.06, 3859501.99	2.54E-03	8.02E-07	3.40E-07	2.75E-03	8.66E-07	3.68E-07	4.38E-03	1.38E-06	5.86E-07
2048 495611.06, 3859501.99	2.52E-03	7.95E-07	3.37E-07	2.72E-03	8.59E-07	3.64E-07	4.34E-03	1.37E-06	5.81E-07
2049 495661.06, 3859501.99	2.49E-03	7.87E-07	3.34E-07	2.69E-03	8.50E-07	3.61E-07	4.30E-03	1.36E-06	5.75E-07
2050 494311.06, 3859551.99	3.12E-03	9.83E-07	4.17E-07	3.36E-03	1.06E-06	4.50E-07	5.36E-03	1.69E-06	7.18E-07
2051 494361.06, 3859551.99	3.08E-03	9.71E-07	4.12E-07	3.32E-03	1.05E-06	4.45E-07	5.29E-03	1.67E-06	7.09E-07
2052 494411.06, 3859551.99	3.01E-03	9.51E-07	4.03E-07	3.25E-03	1.03E-06	4.36E-07	5.19E-03	1.64E-06	6.94E-07
2053 494461.06, 3859551.99	3.02E-03	9.53E-07	4.04E-07	3.26E-03	1.03E-06	4.37E-07	5.20E-03	1.64E-06	6.96E-07
2054 494511.06, 3859551.99	2.99E-03	9.43E-07	4.00E-07	3.23E-03	1.02E-06	4.32E-07	5.14E-03	1.62E-06	6.88E-07
2055 494561.06, 3859551.99	2.96E-03	9.35E-07	3.97E-07	3.20E-03	1.01E-06	4.28E-07	5.10E-03	1.61E-06	6.83E-07
2056 494611.06, 3859551.99	2.95E-03	9.30E-07	3.95E-07	3.18E-03	1.00E-06	4.26E-07	5.07E-03	1.60E-06	6.80E-07
2057 494661.06, 3859551.99	2.93E-03	9.24E-07	3.92E-07	3.16E-03	9.98E-07	4.23E-07	5.04E-03	1.59E-06	6.75E-07
2058 494711.06, 3859551.99	2.86E-03	9.02E-07	3.83E-07	3.09E-03	9.74E-07	4.13E-07	4.92E-03	1.55E-06	6.59E-07
2059 494761.06, 3859551.99	2.87E-03	9.06E-07	3.84E-07	3.10E-03	9.78E-07	4.15E-07	4.94E-03	1.56E-06	6.62E-07
2060 494811.06, 3859551.99	2.82E-03	8.90E-07	3.78E-07	3.04E-03	9.61E-07	4.08E-07	4.85E-03	1.53E-06	6.50E-07
2061 494861.06, 3859551.99	2.80E-03	8.83E-07	3.74E-07	3.02E-03	9.53E-07	4.04E-07	4.82E-03	1.52E-06	6.45E-07
2062 494911.06, 3859551.99	2.77E-03	8.74E-07	3.71E-07	2.99E-03	9.43E-07	4.00E-07	4.77E-03	1.50E-06	6.38E-07
2063 494961.06, 3859551.99	2.75E-03	8.69E-07	3.69E-07	2.97E-03	9.39E-07	3.98E-07	4.74E-03	1.50E-06	6.35E-07
2064 495011.06, 3859551.99	2.74E-03	8.66E-07	3.68E-07	2.96E-03	9.36E-07	3.97E-07	4.73E-03	1.49E-06	6.33E-07
2065 495061.06, 3859551.99	2.72E-03	8.60E-07	3.65E-07	2.94E-03	9.28E-07	3.94E-07	4.69E-03	1.48E-06	6.28E-07
2066 495111.06, 3859551.99	2.70E-03	8.51E-07	3.61E-07	2.91E-03	9.19E-07	3.90E-07	4.64E-03	1.47E-06	6.22E-07
2067 495161.06, 3859551.99	2.69E-03	8.48E-07	3.60E-07	2.90E-03	9.16E-07	3.89E-07	4.63E-03	1.46E-06	6.20E-07
2068 495211.06, 3859551.99	2.68E-03	8.47E-07	3.59E-07	2.90E-03	9.14E-07	3.88E-07	4.62E-03	1.46E-06	6.19E-07
2069 495261.06, 3859551.99	2.66E-03	8.40E-07	3.56E-07	2.87E-03	9.07E-07	3.85E-07	4.58E-03	1.45E-06	6.14E-07
2070 495311.06, 3859551.99	2.64E-03	8.35E-07	3.54E-07	2.86E-03	9.01E-07	3.82E-07	4.55E-03	1.44E-06	6.10E-07

2071	495361.06, 3859551.99	2.63E-03	8.31E-07	3.52E-07	2.84E-03	8.97E-07	3.81E-07	4.53E-03	1.43E-06	6.07E-07
2072	495411.06, 3859551.99	2.62E-03	8.28E-07	3.51E-07	2.83E-03	8.94E-07	3.79E-07	4.52E-03	1.43E-06	6.05E-07
2073	495461.06, 3859551.99	2.59E-03	8.19E-07	3.47E-07	2.80E-03	8.84E-07	3.75E-07	4.47E-03	1.41E-06	5.98E-07
2074	495511.06, 3859551.99	2.56E-03	8.09E-07	3.43E-07	2.77E-03	8.74E-07	3.71E-07	4.42E-03	1.39E-06	5.92E-07
2075	495561.06, 3859551.99	2.55E-03	8.04E-07	3.41E-07	2.75E-03	8.68E-07	3.68E-07	4.39E-03	1.38E-06	5.88E-07
2076	495611.06, 3859551.99	2.53E-03	7.98E-07	3.39E-07	2.73E-03	8.62E-07	3.66E-07	4.36E-03	1.38E-06	5.83E-07
2077	495661.06, 3859551.99	2.51E-03	7.91E-07	3.36E-07	2.71E-03	8.54E-07	3.62E-07	4.32E-03	1.36E-06	5.78E-07
2078	494311.06, 3859601.99	3.09E-03	9.75E-07	4.14E-07	3.34E-03	1.05E-06	4.47E-07	5.31E-03	1.68E-06	7.11E-07
2079	494361.06, 3859601.99	3.03E-03	9.56E-07	4.06E-07	3.27E-03	1.03E-06	4.38E-07	5.21E-03	1.64E-06	6.98E-07
2080	494411.06, 3859601.99	2.99E-03	9.44E-07	4.01E-07	3.23E-03	1.02E-06	4.33E-07	5.15E-03	1.62E-06	6.89E-07
2081	494461.06, 3859601.99	3.00E-03	9.46E-07	4.01E-07	3.24E-03	1.02E-06	4.33E-07	5.15E-03	1.63E-06	6.90E-07
2082	494511.06, 3859601.99	2.95E-03	9.32E-07	3.96E-07	3.19E-03	1.01E-06	4.27E-07	5.08E-03	1.60E-06	6.81E-07
2083	494561.06, 3859601.99	2.95E-03	9.31E-07	3.95E-07	3.19E-03	1.01E-06	4.27E-07	5.08E-03	1.60E-06	6.80E-07
2084	494611.06, 3859601.99	2.94E-03	9.28E-07	3.94E-07	3.17E-03	1.00E-06	4.25E-07	5.06E-03	1.60E-06	6.77E-07
2085	494661.06, 3859601.99	2.89E-03	9.13E-07	3.87E-07	3.12E-03	9.86E-07	4.18E-07	4.98E-03	1.57E-06	6.67E-07
2086	494711.06, 3859601.99	2.85E-03	8.99E-07	3.81E-07	3.08E-03	9.71E-07	4.12E-07	4.90E-03	1.55E-06	6.56E-07
2087	494761.06, 3859601.99	2.87E-03	9.06E-07	3.84E-07	3.10E-03	9.79E-07	4.15E-07	4.94E-03	1.56E-06	6.62E-07
2088	494811.06, 3859601.99	2.82E-03	8.91E-07	3.78E-07	3.05E-03	9.62E-07	4.08E-07	4.86E-03	1.53E-06	6.51E-07
2089	494861.06, 3859601.99	2.80E-03	8.85E-07	3.75E-07	3.03E-03	9.56E-07	4.05E-07	4.83E-03	1.52E-06	6.46E-07
2090	494911.06, 3859601.99	2.77E-03	8.73E-07	3.70E-07	2.99E-03	9.43E-07	4.00E-07	4.76E-03	1.50E-06	6.38E-07
2091	494961.06, 3859601.99	2.77E-03	8.75E-07	3.71E-07	2.99E-03	9.45E-07	4.01E-07	4.77E-03	1.51E-06	6.39E-07
2092	495011.06, 3859601.99	2.73E-03	8.62E-07	3.66E-07	2.95E-03	9.31E-07	3.95E-07	4.70E-03	1.48E-06	6.30E-07
2093	495061.06, 3859601.99	2.73E-03	8.61E-07	3.65E-07	2.95E-03	9.30E-07	3.95E-07	4.70E-03	1.48E-06	6.29E-07
2094	495111.06, 3859601.99	2.70E-03	8.53E-07	3.62E-07	2.92E-03	9.21E-07	3.91E-07	4.65E-03	1.47E-06	6.23E-07
2095	495161.06, 3859601.99	2.69E-03	8.50E-07	3.61E-07	2.91E-03	9.18E-07	3.90E-07	4.64E-03	1.46E-06	6.21E-07
2096	495211.06, 3859601.99	2.68E-03	8.45E-07	3.59E-07	2.89E-03	9.13E-07	3.87E-07	4.61E-03	1.46E-06	6.18E-07
2097	495261.06, 3859601.99	2.67E-03	8.42E-07	3.57E-07	2.88E-03	9.09E-07	3.86E-07	4.59E-03	1.45E-06	6.15E-07
2098	495311.06, 3859601.99	2.66E-03	8.39E-07	3.56E-07	2.87E-03	9.06E-07	3.84E-07	4.58E-03	1.44E-06	6.13E-07
2099	495361.06, 3859601.99	2.64E-03	8.34E-07	3.54E-07	2.85E-03	9.00E-07	3.82E-07	4.55E-03	1.44E-06	6.09E-07
2100	495411.06, 3859601.99	2.63E-03	8.30E-07	3.52E-07	2.84E-03	8.97E-07	3.80E-07	4.53E-03	1.43E-06	6.07E-07
2101	495461.06, 3859601.99	2.60E-03	8.20E-07	3.48E-07	2.80E-03	8.85E-07	3.76E-07	4.47E-03	1.41E-06	5.99E-07
2102	495511.06, 3859601.99	2.57E-03	8.10E-07	3.44E-07	2.77E-03	8.75E-07	3.71E-07	4.42E-03	1.40E-06	5.92E-07
2103	495561.06, 3859601.99	2.56E-03	8.08E-07	3.43E-07	2.77E-03	8.73E-07	3.70E-07	4.41E-03	1.39E-06	5.91E-07
2104	495611.06, 3859601.99	2.53E-03	7.97E-07	3.38E-07	2.73E-03	8.61E-07	3.65E-07	4.35E-03	1.37E-06	5.83E-07
2105	495661.06, 3859601.99	2.52E-03	7.94E-07	3.37E-07	2.72E-03	8.57E-07	3.64E-07	4.33E-03	1.37E-06	5.80E-07
2106	494311.06, 3859651.99	3.04E-03	9.61E-07	4.08E-07	3.29E-03	1.04E-06	4.40E-07	5.23E-03	1.65E-06	7.01E-07
2107	494361.06, 3859651.99	2.99E-03	9.44E-07	4.01E-07	3.23E-03	1.02E-06	4.33E-07	5.15E-03	1.62E-06	6.89E-07
2108	494411.06, 3859651.99	2.97E-03	9.38E-07	3.98E-07	3.21E-03	1.01E-06	4.30E-07	5.11E-03	1.61E-06	6.84E-07
2109	494461.06, 3859651.99	2.97E-03	9.38E-07	3.98E-07	3.21E-03	1.01E-06	4.30E-07	5.11E-03	1.61E-06	6.85E-07
2110	494511.06, 3859651.99	2.95E-03	9.31E-07	3.95E-07	3.19E-03	1.01E-06	4.27E-07	5.07E-03	1.60E-06	6.79E-07
2111	494561.06, 3859651.99	2.94E-03	9.26E-07	3.93E-07	3.17E-03	1.00E-06	4.24E-07	5.05E-03	1.59E-06	6.76E-07
2112	494611.06, 3859651.99	2.92E-03	9.21E-07	3.91E-07	3.15E-03	9.95E-07	4.22E-07	5.02E-03	1.58E-06	6.72E-07
2113	494661.06, 3859651.99	2.87E-03	9.05E-07	3.84E-07	3.10E-03	9.78E-07	4.15E-07	4.94E-03	1.56E-06	6.61E-07
2114	494711.06, 3859651.99	2.86E-03	9.01E-07	3.82E-07	3.08E-03	9.73E-07	4.13E-07	4.91E-03	1.55E-06	6.58E-07
2115	494761.06, 3859651.99	2.85E-03	8.98E-07	3.81E-07	3.07E-03	9.70E-07	4.11E-07	4.90E-03	1.55E-06	6.56E-07
2116	494811.06, 3859651.99	2.82E-03	8.89E-07	3.77E-07	3.04E-03	9.60E-07	4.07E-07	4.84E-03	1.53E-06	6.49E-07
2117	494861.06, 3859651.99	2.80E-03	8.84E-07	3.75E-07	3.03E-03	9.55E-07	4.05E-07	4.82E-03	1.52E-06	6.46E-07
2118	494911.06, 3859651.99	2.78E-03	8.77E-07	3.72E-07	3.00E-03	9.47E-07	4.02E-07	4.78E-03	1.51E-06	6.41E-07
2119	494961.06, 3859651.99	2.76E-03	8.72E-07	3.70E-07	2.99E-03	9.42E-07	4.00E-07	4.76E-03	1.50E-06	6.37E-07
2120	495011.06, 3859651.99	2.74E-03	8.66E-07	3.68E-07	2.96E-03	9.36E-07	3.97E-07	4.72E-03	1.49E-06	6.33E-07
2121	495061.06, 3859651.99	2.73E-03	8.63E-07	3.66E-07	2.95E-03	9.32E-07	3.95E-07	4.70E-03	1.48E-06	6.30E-07
2122	495111.06, 3859651.99	2.71E-03	8.56E-07	3.63E-07	2.93E-03	9.24E-07	3.92E-07	4.67E-03	1.47E-06	6.25E-07
2123	495161.06, 3859651.99	2.70E-03	8.51E-07	3.61E-07	2.91E-03	9.19E-07	3.90E-07	4.64E-03	1.46E-06	6.21E-07
2124	495211.06, 3859651.99	2.68E-03	8.47E-07	3.60E-07	2.90E-03	9.15E-07	3.88E-07	4.62E-03	1.46E-06	6.19E-07
2125	495261.06, 3859651.99	2.67E-03	8.42E-07	3.57E-07	2.88E-03	9.10E-07	3.86E-07	4.59E-03	1.45E-06	6.15E-07
2126	495311.06, 3859651.99	2.66E-03	8.38E-07	3.56E-07	2.87E-03	9.05E-07	3.84E-07	4.57E-03	1.44E-06	6.12E-07
2127	495361.06, 3859651.99	2.64E-03	8.34E-07	3.54E-07	2.86E-03	9.01E-07	3.82E-07	4.55E-03	1.44E-06	6.10E-07
2128	495411.06, 3859651.99	2.63E-03	8.29E-07	3.52E-07	2.84E-03	8.96E-07	3.80E-07	4.52E-03	1.43E-06	6.06E-07
2129	495461.06, 3859651.99	2.60E-03	8.20E-07	3.48E-07	2.81E-03	8.85E-07	3.76E-07	4.47E-03	1.41E-06	5.99E-07
2130	495511.06, 3859651.99	2.57E-03	8.11E-07	3.44E-07	2.78E-03	8.76E-07	3.72E-07	4.43E-03	1.40E-06	5.93E-07
2131	495561.06, 3859651.99	2.56E-03	8.08E-07	3.43E-07	2.76E-03	8.72E-07	3.70E-07	4.41E-03	1.39E-06	5.90E-07

2132	495611.06, 3859651.99	2.54E-03	8.02E-07	3.40E-07	2.74E-03	8.66E-07	3.67E-07	4.37E-03	1.38E-06	5.86E-07
2133	495661.06, 3859651.99	2.52E-03	7.95E-07	3.37E-07	2.72E-03	8.59E-07	3.64E-07	4.34E-03	1.37E-06	5.81E-07
2134	494311.06, 3859701.99	2.97E-03	9.38E-07	3.98E-07	3.21E-03	1.01E-06	4.30E-07	5.11E-03	1.61E-06	6.84E-07
2135	494361.06, 3859701.99	2.95E-03	9.30E-07	3.95E-07	3.18E-03	1.00E-06	4.26E-07	5.07E-03	1.60E-06	6.79E-07
2136	494411.06, 3859701.99	2.94E-03	9.27E-07	3.93E-07	3.17E-03	1.00E-06	4.25E-07	5.05E-03	1.59E-06	6.76E-07
2137	494461.06, 3859701.99	2.95E-03	9.30E-07	3.94E-07	3.18E-03	1.00E-06	4.26E-07	5.06E-03	1.60E-06	6.78E-07
2138	494511.06, 3859701.99	2.93E-03	9.24E-07	3.92E-07	3.16E-03	9.97E-07	4.23E-07	5.03E-03	1.59E-06	6.74E-07
2139	494561.06, 3859701.99	2.91E-03	9.20E-07	3.90E-07	3.15E-03	9.93E-07	4.21E-07	5.01E-03	1.58E-06	6.71E-07
2140	494611.06, 3859701.99	2.90E-03	9.15E-07	3.88E-07	3.13E-03	9.88E-07	4.19E-07	4.99E-03	1.57E-06	6.68E-07
2141	494661.06, 3859701.99	2.85E-03	8.99E-07	3.81E-07	3.08E-03	9.71E-07	4.12E-07	4.90E-03	1.55E-06	6.56E-07
2142	494711.06, 3859701.99	2.84E-03	8.98E-07	3.81E-07	3.07E-03	9.69E-07	4.11E-07	4.89E-03	1.54E-06	6.55E-07
2143	494761.06, 3859701.99	2.82E-03	8.90E-07	3.78E-07	3.05E-03	9.61E-07	4.08E-07	4.85E-03	1.53E-06	6.50E-07
2144	494811.06, 3859701.99	2.80E-03	8.82E-07	3.74E-07	3.02E-03	9.53E-07	4.04E-07	4.81E-03	1.52E-06	6.44E-07
2145	494861.06, 3859701.99	2.79E-03	8.82E-07	3.74E-07	3.02E-03	9.52E-07	4.04E-07	4.81E-03	1.52E-06	6.44E-07
2146	494911.06, 3859701.99	2.77E-03	8.75E-07	3.71E-07	2.99E-03	9.45E-07	4.01E-07	4.77E-03	1.51E-06	6.39E-07
2147	494961.06, 3859701.99	2.75E-03	8.69E-07	3.69E-07	2.97E-03	9.38E-07	3.98E-07	4.74E-03	1.50E-06	6.34E-07
2148	495011.06, 3859701.99	2.74E-03	8.66E-07	3.67E-07	2.96E-03	9.35E-07	3.97E-07	4.72E-03	1.49E-06	6.32E-07
2149	495061.06, 3859701.99	2.73E-03	8.61E-07	3.65E-07	2.94E-03	9.29E-07	3.94E-07	4.69E-03	1.48E-06	6.28E-07
2150	495111.06, 3859701.99	2.71E-03	8.55E-07	3.63E-07	2.93E-03	9.24E-07	3.92E-07	4.66E-03	1.47E-06	6.25E-07
2151	495161.06, 3859701.99	2.69E-03	8.49E-07	3.60E-07	2.91E-03	9.17E-07	3.89E-07	4.63E-03	1.46E-06	6.20E-07
2152	495211.06, 3859701.99	2.67E-03	8.43E-07	3.58E-07	2.88E-03	9.10E-07	3.86E-07	4.60E-03	1.45E-06	6.16E-07
2153	495261.06, 3859701.99	2.67E-03	8.42E-07	3.57E-07	2.88E-03	9.09E-07	3.86E-07	4.59E-03	1.45E-06	6.15E-07
2154	495311.06, 3859701.99	2.65E-03	8.36E-07	3.55E-07	2.86E-03	9.03E-07	3.83E-07	4.56E-03	1.44E-06	6.11E-07
2155	495361.06, 3859701.99	2.63E-03	8.31E-07	3.53E-07	2.84E-03	8.97E-07	3.81E-07	4.53E-03	1.43E-06	6.07E-07
2156	495411.06, 3859701.99	2.61E-03	8.23E-07	3.49E-07	2.82E-03	8.89E-07	3.77E-07	4.49E-03	1.42E-06	6.01E-07
2157	495461.06, 3859701.99	2.59E-03	8.18E-07	3.47E-07	2.80E-03	8.83E-07	3.75E-07	4.46E-03	1.41E-06	5.97E-07
2158	495511.06, 3859701.99	2.55E-03	8.06E-07	3.42E-07	2.76E-03	8.71E-07	3.70E-07	4.40E-03	1.39E-06	5.89E-07
2159	495561.06, 3859701.99	2.56E-03	8.07E-07	3.42E-07	2.76E-03	8.71E-07	3.70E-07	4.40E-03	1.39E-06	5.89E-07
2160	495611.06, 3859701.99	2.54E-03	8.01E-07	3.40E-07	2.74E-03	8.66E-07	3.67E-07	4.37E-03	1.38E-06	5.85E-07
2161	495661.06, 3859701.99	2.52E-03	7.96E-07	3.38E-07	2.72E-03	8.59E-07	3.65E-07	4.34E-03	1.37E-06	5.81E-07
2162	494311.06, 3859751.99	2.95E-03	9.30E-07	3.95E-07	3.18E-03	1.00E-06	4.26E-07	5.07E-03	1.60E-06	6.78E-07
2163	494361.06, 3859751.99	2.93E-03	9.25E-07	3.92E-07	3.16E-03	9.99E-07	4.24E-07	5.04E-03	1.59E-06	6.74E-07
2164	494411.06, 3859751.99	2.91E-03	9.18E-07	3.89E-07	3.14E-03	9.91E-07	4.21E-07	5.00E-03	1.58E-06	6.69E-07
2165	494461.06, 3859751.99	2.91E-03	9.18E-07	3.90E-07	3.14E-03	9.92E-07	4.21E-07	5.00E-03	1.58E-06	6.70E-07
2166	494511.06, 3859751.99	2.90E-03	9.17E-07	3.89E-07	3.14E-03	9.90E-07	4.20E-07	4.99E-03	1.58E-06	6.68E-07
2167	494561.06, 3859751.99	2.89E-03	9.11E-07	3.87E-07	3.12E-03	9.84E-07	4.18E-07	4.96E-03	1.57E-06	6.65E-07
2168	494611.06, 3859751.99	2.87E-03	9.04E-07	3.84E-07	3.09E-03	9.77E-07	4.14E-07	4.93E-03	1.55E-06	6.60E-07
2169	494661.06, 3859751.99	2.83E-03	8.93E-07	3.79E-07	3.06E-03	9.65E-07	4.09E-07	4.87E-03	1.54E-06	6.52E-07
2170	494711.06, 3859751.99	2.83E-03	8.92E-07	3.78E-07	3.05E-03	9.63E-07	4.09E-07	4.86E-03	1.53E-06	6.51E-07
2171	494761.06, 3859751.99	2.81E-03	8.88E-07	3.77E-07	3.04E-03	9.59E-07	4.07E-07	4.84E-03	1.53E-06	6.48E-07
2172	494811.06, 3859751.99	2.79E-03	8.82E-07	3.74E-07	3.02E-03	9.52E-07	4.04E-07	4.80E-03	1.52E-06	6.43E-07
2173	494861.06, 3859751.99	2.78E-03	8.77E-07	3.72E-07	3.00E-03	9.47E-07	4.02E-07	4.78E-03	1.51E-06	6.40E-07
2174	494911.06, 3859751.99	2.76E-03	8.72E-07	3.70E-07	2.99E-03	9.42E-07	4.00E-07	4.75E-03	1.50E-06	6.37E-07
2175	494961.06, 3859751.99	2.75E-03	8.68E-07	3.68E-07	2.97E-03	9.37E-07	3.98E-07	4.73E-03	1.49E-06	6.33E-07
2176	495011.06, 3859751.99	2.73E-03	8.63E-07	3.66E-07	2.95E-03	9.32E-07	3.95E-07	4.70E-03	1.48E-06	6.30E-07
2177	495061.06, 3859751.99	2.72E-03	8.59E-07	3.65E-07	2.94E-03	9.28E-07	3.94E-07	4.68E-03	1.48E-06	6.27E-07
2178	495111.06, 3859751.99	2.71E-03	8.54E-07	3.62E-07	2.92E-03	9.22E-07	3.91E-07	4.66E-03	1.47E-06	6.23E-07
2179	495161.06, 3859751.99	2.69E-03	8.48E-07	3.60E-07	2.90E-03	9.16E-07	3.89E-07	4.62E-03	1.46E-06	6.19E-07
2180	495211.06, 3859751.99	2.67E-03	8.42E-07	3.57E-07	2.88E-03	9.10E-07	3.86E-07	4.59E-03	1.45E-06	6.15E-07
2181	495261.06, 3859751.99	2.66E-03	8.39E-07	3.56E-07	2.87E-03	9.06E-07	3.84E-07	4.57E-03	1.44E-06	6.12E-07
2182	495311.06, 3859751.99	2.64E-03	8.33E-07	3.54E-07	2.85E-03	9.00E-07	3.82E-07	4.54E-03	1.43E-06	6.08E-07
2183	495361.06, 3859751.99	2.62E-03	8.28E-07	3.51E-07	2.83E-03	8.95E-07	3.80E-07	4.52E-03	1.43E-06	6.05E-07
2184	495411.06, 3859751.99	2.61E-03	8.24E-07	3.49E-07	2.82E-03	8.89E-07	3.77E-07	4.49E-03	1.42E-06	6.01E-07
2185	495461.06, 3859751.99	2.59E-03	8.16E-07	3.46E-07	2.79E-03	8.82E-07	3.74E-07	4.45E-03	1.40E-06	5.96E-07
2186	495511.06, 3859751.99	2.56E-03	8.09E-07	3.43E-07	2.77E-03	8.74E-07	3.71E-07	4.41E-03	1.39E-06	5.91E-07
2187	495561.06, 3859751.99	2.55E-03	8.04E-07	3.41E-07	2.75E-03	8.68E-07	3.68E-07	4.38E-03	1.38E-06	5.87E-07
2188	495611.06, 3859751.99	2.53E-03	7.99E-07	3.39E-07	2.73E-03	8.63E-07	3.66E-07	4.36E-03	1.38E-06	5.84E-07
2189	495661.06, 3859751.99	2.52E-03	7.96E-07	3.38E-07	2.72E-03	8.59E-07	3.65E-07	4.34E-03	1.37E-06	5.81E-07
2190	494311.06, 3859801.99	2.92E-03	9.22E-07	3.91E-07	3.15E-03	9.96E-07	4.22E-07	5.02E-03	1.58E-06	6.72E-07
2191	494361.06, 3859801.99	2.90E-03	9.15E-07	3.88E-07	3.13E-03	9.88E-07	4.19E-07	4.98E-03	1.57E-06	6.67E-07
2192	494411.06, 3859801.99	2.87E-03	9.07E-07	3.85E-07	3.10E-03	9.79E-07	4.15E-07	4.94E-03	1.56E-06	6.61E-07

2193	494461.06, 3859801.99	2.87E-03	9.07E-07	3.85E-07	3.10E-03	9.79E-07	4.15E-07	4.94E-03	1.56E-06	6.61E-07
2194	494511.06, 3859801.99	2.87E-03	9.07E-07	3.85E-07	3.10E-03	9.79E-07	4.15E-07	4.94E-03	1.56E-06	6.61E-07
2195	494561.06, 3859801.99	2.86E-03	9.02E-07	3.83E-07	3.09E-03	9.74E-07	4.13E-07	4.91E-03	1.55E-06	6.58E-07
2196	494611.06, 3859801.99	2.83E-03	8.93E-07	3.79E-07	3.05E-03	9.64E-07	4.09E-07	4.86E-03	1.53E-06	6.51E-07
2197	494661.06, 3859801.99	2.81E-03	8.87E-07	3.76E-07	3.04E-03	9.58E-07	4.06E-07	4.83E-03	1.52E-06	6.47E-07
2198	494711.06, 3859801.99	2.79E-03	8.80E-07	3.74E-07	3.01E-03	9.51E-07	4.03E-07	4.79E-03	1.51E-06	6.42E-07
2199	494761.06, 3859801.99	2.79E-03	8.81E-07	3.74E-07	3.01E-03	9.51E-07	4.03E-07	4.80E-03	1.51E-06	6.42E-07
2200	494811.06, 3859801.99	2.77E-03	8.75E-07	3.71E-07	2.99E-03	9.45E-07	4.01E-07	4.77E-03	1.50E-06	6.38E-07
2201	494861.06, 3859801.99	2.76E-03	8.72E-07	3.70E-07	2.98E-03	9.41E-07	3.99E-07	4.75E-03	1.50E-06	6.36E-07
2202	494911.06, 3859801.99	2.74E-03	8.65E-07	3.67E-07	2.96E-03	9.35E-07	3.97E-07	4.71E-03	1.49E-06	6.31E-07
2203	494961.06, 3859801.99	2.73E-03	8.61E-07	3.65E-07	2.95E-03	9.30E-07	3.95E-07	4.69E-03	1.48E-06	6.28E-07
2204	495011.06, 3859801.99	2.71E-03	8.56E-07	3.63E-07	2.93E-03	9.25E-07	3.92E-07	4.67E-03	1.47E-06	6.25E-07
2205	495061.06, 3859801.99	2.70E-03	8.53E-07	3.62E-07	2.92E-03	9.21E-07	3.91E-07	4.65E-03	1.47E-06	6.22E-07
2206	495111.06, 3859801.99	2.68E-03	8.47E-07	3.59E-07	2.90E-03	9.15E-07	3.88E-07	4.62E-03	1.46E-06	6.18E-07
2207	495161.06, 3859801.99	2.67E-03	8.42E-07	3.57E-07	2.88E-03	9.09E-07	3.86E-07	4.59E-03	1.45E-06	6.14E-07
2208	495211.06, 3859801.99	2.66E-03	8.38E-07	3.56E-07	2.87E-03	9.05E-07	3.84E-07	4.57E-03	1.44E-06	6.12E-07
2209	495261.06, 3859801.99	2.64E-03	8.32E-07	3.53E-07	2.85E-03	8.99E-07	3.81E-07	4.54E-03	1.43E-06	6.08E-07
2210	495311.06, 3859801.99	2.63E-03	8.29E-07	3.52E-07	2.84E-03	8.95E-07	3.80E-07	4.52E-03	1.43E-06	6.05E-07
2211	495361.06, 3859801.99	2.61E-03	8.24E-07	3.50E-07	2.82E-03	8.90E-07	3.78E-07	4.49E-03	1.42E-06	6.01E-07
2212	495411.06, 3859801.99	2.59E-03	8.18E-07	3.47E-07	2.80E-03	8.83E-07	3.75E-07	4.46E-03	1.41E-06	5.97E-07
2213	495461.06, 3859801.99	2.58E-03	8.13E-07	3.45E-07	2.78E-03	8.78E-07	3.73E-07	4.43E-03	1.40E-06	5.93E-07
2214	495511.06, 3859801.99	2.55E-03	8.06E-07	3.42E-07	2.76E-03	8.70E-07	3.69E-07	4.39E-03	1.39E-06	5.88E-07
2215	495561.06, 3859801.99	2.54E-03	8.02E-07	3.40E-07	2.74E-03	8.66E-07	3.67E-07	4.37E-03	1.38E-06	5.85E-07
2216	495611.06, 3859801.99	2.53E-03	8.00E-07	3.39E-07	2.74E-03	8.64E-07	3.67E-07	4.36E-03	1.38E-06	5.84E-07
2217	495661.06, 3859801.99	2.51E-03	7.93E-07	3.37E-07	2.71E-03	8.57E-07	3.63E-07	4.33E-03	1.37E-06	5.79E-07
2218	494311.06, 3859851.99	2.88E-03	9.10E-07	3.86E-07	3.11E-03	9.83E-07	4.17E-07	4.95E-03	1.56E-06	6.63E-07
2219	494361.06, 3859851.99	2.87E-03	9.05E-07	3.84E-07	3.10E-03	9.77E-07	4.14E-07	4.92E-03	1.55E-06	6.59E-07
2220	494411.06, 3859851.99	2.85E-03	8.98E-07	3.81E-07	3.07E-03	9.70E-07	4.12E-07	4.89E-03	1.54E-06	6.55E-07
2221	494461.06, 3859851.99	2.83E-03	8.93E-07	3.79E-07	3.06E-03	9.65E-07	4.09E-07	4.86E-03	1.54E-06	6.51E-07
2222	494511.06, 3859851.99	2.83E-03	8.92E-07	3.78E-07	3.05E-03	9.63E-07	4.09E-07	4.85E-03	1.53E-06	6.50E-07
2223	494561.06, 3859851.99	2.82E-03	8.91E-07	3.78E-07	3.05E-03	9.62E-07	4.08E-07	4.85E-03	1.53E-06	6.49E-07
2224	494611.06, 3859851.99	2.79E-03	8.82E-07	3.74E-07	3.02E-03	9.52E-07	4.04E-07	4.80E-03	1.52E-06	6.43E-07
2225	494661.06, 3859851.99	2.79E-03	8.79E-07	3.73E-07	3.01E-03	9.50E-07	4.03E-07	4.79E-03	1.51E-06	6.41E-07
2226	494711.06, 3859851.99	2.76E-03	8.72E-07	3.70E-07	2.98E-03	9.42E-07	4.00E-07	4.75E-03	1.50E-06	6.36E-07
2227	494761.06, 3859851.99	2.76E-03	8.72E-07	3.70E-07	2.98E-03	9.41E-07	3.99E-07	4.75E-03	1.50E-06	6.35E-07
2228	494811.06, 3859851.99	2.75E-03	8.67E-07	3.68E-07	2.97E-03	9.36E-07	3.97E-07	4.72E-03	1.49E-06	6.32E-07
2229	494861.06, 3859851.99	2.74E-03	8.64E-07	3.67E-07	2.96E-03	9.33E-07	3.96E-07	4.70E-03	1.48E-06	6.30E-07
2230	494911.06, 3859851.99	2.72E-03	8.59E-07	3.64E-07	2.94E-03	9.27E-07	3.93E-07	4.68E-03	1.48E-06	6.26E-07
2231	494961.06, 3859851.99	2.71E-03	8.54E-07	3.62E-07	2.92E-03	9.23E-07	3.91E-07	4.65E-03	1.47E-06	6.23E-07
2232	495011.06, 3859851.99	2.69E-03	8.50E-07	3.61E-07	2.91E-03	9.18E-07	3.89E-07	4.63E-03	1.46E-06	6.20E-07
2233	495061.06, 3859851.99	2.68E-03	8.47E-07	3.59E-07	2.90E-03	9.14E-07	3.88E-07	4.61E-03	1.46E-06	6.17E-07
2234	495111.06, 3859851.99	2.66E-03	8.41E-07	3.57E-07	2.88E-03	9.08E-07	3.85E-07	4.58E-03	1.45E-06	6.13E-07
2235	495161.06, 3859851.99	2.65E-03	8.36E-07	3.55E-07	2.86E-03	9.03E-07	3.83E-07	4.56E-03	1.44E-06	6.10E-07
2236	495211.06, 3859851.99	2.64E-03	8.32E-07	3.53E-07	2.85E-03	8.98E-07	3.81E-07	4.53E-03	1.43E-06	6.07E-07
2237	495261.06, 3859851.99	2.62E-03	8.27E-07	3.51E-07	2.83E-03	8.93E-07	3.79E-07	4.51E-03	1.42E-06	6.03E-07
2238	495311.06, 3859851.99	2.61E-03	8.23E-07	3.49E-07	2.82E-03	8.89E-07	3.77E-07	4.49E-03	1.42E-06	6.01E-07
2239	495361.06, 3859851.99	2.60E-03	8.19E-07	3.48E-07	2.80E-03	8.85E-07	3.75E-07	4.46E-03	1.41E-06	5.98E-07
2240	495411.06, 3859851.99	2.58E-03	8.14E-07	3.45E-07	2.78E-03	8.79E-07	3.73E-07	4.43E-03	1.40E-06	5.94E-07
2241	495461.06, 3859851.99	2.56E-03	8.08E-07	3.43E-07	2.77E-03	8.73E-07	3.70E-07	4.41E-03	1.39E-06	5.90E-07
2242	495511.06, 3859851.99	2.54E-03	8.02E-07	3.40E-07	2.75E-03	8.67E-07	3.68E-07	4.37E-03	1.38E-06	5.86E-07
2243	495561.06, 3859851.99	2.53E-03	7.99E-07	3.39E-07	2.73E-03	8.63E-07	3.66E-07	4.36E-03	1.37E-06	5.83E-07
2244	495611.06, 3859851.99	2.52E-03	7.96E-07	3.38E-07	2.72E-03	8.59E-07	3.65E-07	4.34E-03	1.37E-06	5.81E-07
2245	495661.06, 3859851.99	2.50E-03	7.90E-07	3.35E-07	2.70E-03	8.53E-07	3.62E-07	4.31E-03	1.36E-06	5.77E-07
2246	494311.06, 3859901.99	2.84E-03	8.98E-07	3.81E-07	3.07E-03	9.69E-07	4.11E-07	4.89E-03	1.54E-06	6.54E-07
2247	494361.06, 3859901.99	2.82E-03	8.90E-07	3.78E-07	3.05E-03	9.61E-07	4.08E-07	4.84E-03	1.53E-06	6.49E-07
2248	494411.06, 3859901.99	2.81E-03	8.88E-07	3.77E-07	3.04E-03	9.58E-07	4.07E-07	4.83E-03	1.52E-06	6.47E-07
2249	494461.06, 3859901.99	2.80E-03	8.83E-07	3.75E-07	3.02E-03	9.54E-07	4.05E-07	4.81E-03	1.52E-06	6.44E-07
2250	494511.06, 3859901.99	2.79E-03	8.80E-07	3.73E-07	3.01E-03	9.50E-07	4.03E-07	4.79E-03	1.51E-06	6.42E-07
2251	494561.06, 3859901.99	2.79E-03	8.80E-07	3.73E-07	3.01E-03	9.50E-07	4.03E-07	4.79E-03	1.51E-06	6.41E-07
2252	494611.06, 3859901.99	2.76E-03	8.71E-07	3.70E-07	2.98E-03	9.41E-07	3.99E-07	4.74E-03	1.50E-06	6.35E-07
2253	494661.06, 3859901.99	2.76E-03	8.71E-07	3.69E-07	2.98E-03	9.40E-07	3.99E-07	4.74E-03	1.50E-06	6.35E-07

2254	494711.06, 3859901.99	2.73E-03	8.62E-07	3.66E-07	2.95E-03	9.31E-07	3.95E-07	4.69E-03	1.48E-06	6.28E-07
2255	494761.06, 3859901.99	2.73E-03	8.60E-07	3.65E-07	2.94E-03	9.29E-07	3.94E-07	4.68E-03	1.48E-06	6.27E-07
2256	494811.06, 3859901.99	2.72E-03	8.58E-07	3.64E-07	2.94E-03	9.27E-07	3.93E-07	4.67E-03	1.47E-06	6.26E-07
2257	494861.06, 3859901.99	2.71E-03	8.55E-07	3.63E-07	2.93E-03	9.24E-07	3.92E-07	4.66E-03	1.47E-06	6.24E-07
2258	494911.06, 3859901.99	2.69E-03	8.50E-07	3.61E-07	2.91E-03	9.18E-07	3.89E-07	4.63E-03	1.46E-06	6.20E-07
2259	494961.06, 3859901.99	2.68E-03	8.47E-07	3.59E-07	2.90E-03	9.14E-07	3.88E-07	4.61E-03	1.46E-06	6.17E-07
2260	495011.06, 3859901.99	2.67E-03	8.42E-07	3.57E-07	2.88E-03	9.09E-07	3.86E-07	4.58E-03	1.45E-06	6.14E-07
2261	495061.06, 3859901.99	2.65E-03	8.38E-07	3.55E-07	2.87E-03	9.05E-07	3.84E-07	4.56E-03	1.44E-06	6.11E-07
2262	495111.06, 3859901.99	2.64E-03	8.32E-07	3.53E-07	2.85E-03	8.99E-07	3.81E-07	4.53E-03	1.43E-06	6.07E-07
2263	495161.06, 3859901.99	2.62E-03	8.28E-07	3.51E-07	2.83E-03	8.94E-07	3.79E-07	4.51E-03	1.42E-06	6.04E-07
2264	495211.06, 3859901.99	2.61E-03	8.25E-07	3.50E-07	2.82E-03	8.90E-07	3.78E-07	4.49E-03	1.42E-06	6.01E-07
2265	495261.06, 3859901.99	2.59E-03	8.19E-07	3.47E-07	2.80E-03	8.84E-07	3.75E-07	4.46E-03	1.41E-06	5.97E-07
2266	495311.06, 3859901.99	2.58E-03	8.16E-07	3.46E-07	2.79E-03	8.81E-07	3.74E-07	4.44E-03	1.40E-06	5.95E-07
2267	495361.06, 3859901.99	2.57E-03	8.11E-07	3.44E-07	2.78E-03	8.76E-07	3.72E-07	4.42E-03	1.39E-06	5.92E-07
2268	495411.06, 3859901.99	2.55E-03	8.06E-07	3.42E-07	2.76E-03	8.70E-07	3.69E-07	4.39E-03	1.39E-06	5.88E-07
2269	495461.06, 3859901.99	2.54E-03	8.01E-07	3.40E-07	2.74E-03	8.65E-07	3.67E-07	4.37E-03	1.38E-06	5.85E-07
2270	495511.06, 3859901.99	2.53E-03	7.98E-07	3.39E-07	2.73E-03	8.62E-07	3.66E-07	4.35E-03	1.37E-06	5.82E-07
2271	495561.06, 3859901.99	2.52E-03	7.95E-07	3.37E-07	2.72E-03	8.58E-07	3.64E-07	4.33E-03	1.37E-06	5.80E-07
2272	495611.06, 3859901.99	2.50E-03	7.90E-07	3.35E-07	2.70E-03	8.53E-07	3.62E-07	4.30E-03	1.36E-06	5.76E-07
2273	495661.06, 3859901.99	2.48E-03	7.84E-07	3.33E-07	2.68E-03	8.47E-07	3.59E-07	4.27E-03	1.35E-06	5.72E-07
2274	494311.06, 3859951.99	2.81E-03	8.86E-07	3.76E-07	3.03E-03	9.57E-07	4.06E-07	4.82E-03	1.52E-06	6.46E-07
2275	494361.06, 3859951.99	2.79E-03	8.81E-07	3.74E-07	3.01E-03	9.51E-07	4.04E-07	4.79E-03	1.51E-06	6.42E-07
2276	494411.06, 3859951.99	2.78E-03	8.76E-07	3.72E-07	3.00E-03	9.46E-07	4.01E-07	4.77E-03	1.50E-06	6.38E-07
2277	494461.06, 3859951.99	2.76E-03	8.72E-07	3.70E-07	2.98E-03	9.41E-07	3.99E-07	4.74E-03	1.50E-06	6.35E-07
2278	494511.06, 3859951.99	2.75E-03	8.69E-07	3.69E-07	2.97E-03	9.38E-07	3.98E-07	4.73E-03	1.49E-06	6.33E-07
2279	494561.06, 3859951.99	2.75E-03	8.69E-07	3.69E-07	2.97E-03	9.39E-07	3.98E-07	4.73E-03	1.49E-06	6.33E-07
2280	494611.06, 3859951.99	2.73E-03	8.62E-07	3.66E-07	2.95E-03	9.31E-07	3.95E-07	4.69E-03	1.48E-06	6.28E-07
2281	494661.06, 3859951.99	2.73E-03	8.61E-07	3.65E-07	2.94E-03	9.29E-07	3.94E-07	4.68E-03	1.48E-06	6.27E-07
2282	494711.06, 3859951.99	2.71E-03	8.54E-07	3.62E-07	2.92E-03	9.22E-07	3.91E-07	4.65E-03	1.47E-06	6.22E-07
2283	494761.06, 3859951.99	2.70E-03	8.51E-07	3.61E-07	2.91E-03	9.19E-07	3.90E-07	4.63E-03	1.46E-06	6.20E-07
2284	494811.06, 3859951.99	2.69E-03	8.48E-07	3.60E-07	2.90E-03	9.15E-07	3.88E-07	4.61E-03	1.46E-06	6.18E-07
2285	494861.06, 3859951.99	2.68E-03	8.46E-07	3.59E-07	2.89E-03	9.13E-07	3.87E-07	4.60E-03	1.45E-06	6.16E-07
2286	494911.06, 3859951.99	2.66E-03	8.41E-07	3.57E-07	2.88E-03	9.08E-07	3.85E-07	4.58E-03	1.44E-06	6.13E-07
2287	494961.06, 3859951.99	2.65E-03	8.36E-07	3.55E-07	2.86E-03	9.03E-07	3.83E-07	4.55E-03	1.44E-06	6.10E-07
2288	495011.06, 3859951.99	2.64E-03	8.32E-07	3.53E-07	2.85E-03	8.98E-07	3.81E-07	4.53E-03	1.43E-06	6.06E-07
2289	495061.06, 3859951.99	2.62E-03	8.28E-07	3.52E-07	2.83E-03	8.95E-07	3.80E-07	4.51E-03	1.42E-06	6.04E-07
2290	495111.06, 3859951.99	2.61E-03	8.23E-07	3.49E-07	2.82E-03	8.89E-07	3.77E-07	4.48E-03	1.41E-06	6.00E-07
2291	495161.06, 3859951.99	2.59E-03	8.19E-07	3.47E-07	2.80E-03	8.84E-07	3.75E-07	4.46E-03	1.41E-06	5.97E-07
2292	495211.06, 3859951.99	2.58E-03	8.14E-07	3.45E-07	2.78E-03	8.79E-07	3.73E-07	4.43E-03	1.40E-06	5.93E-07
2293	495261.06, 3859951.99	2.57E-03	8.10E-07	3.44E-07	2.77E-03	8.75E-07	3.71E-07	4.41E-03	1.39E-06	5.91E-07
2294	495311.06, 3859951.99	2.56E-03	8.08E-07	3.43E-07	2.76E-03	8.72E-07	3.70E-07	4.40E-03	1.39E-06	5.89E-07
2295	495361.06, 3859951.99	2.55E-03	8.04E-07	3.41E-07	2.75E-03	8.68E-07	3.68E-07	4.38E-03	1.38E-06	5.86E-07
2296	495411.06, 3859951.99	2.53E-03	7.99E-07	3.39E-07	2.73E-03	8.63E-07	3.66E-07	4.35E-03	1.37E-06	5.83E-07
2297	495461.06, 3859951.99	2.52E-03	7.95E-07	3.37E-07	2.72E-03	8.58E-07	3.64E-07	4.33E-03	1.37E-06	5.80E-07
2298	495511.06, 3859951.99	2.50E-03	7.90E-07	3.35E-07	2.70E-03	8.54E-07	3.62E-07	4.31E-03	1.36E-06	5.77E-07
2299	495561.06, 3859951.99	2.50E-03	7.88E-07	3.35E-07	2.70E-03	8.51E-07	3.61E-07	4.29E-03	1.36E-06	5.75E-07
2300	495611.06, 3859951.99	2.48E-03	7.84E-07	3.32E-07	2.68E-03	8.46E-07	3.59E-07	4.27E-03	1.35E-06	5.72E-07
2301	495661.06, 3859951.99	2.47E-03	7.78E-07	3.30E-07	2.66E-03	8.40E-07	3.57E-07	4.24E-03	1.34E-06	5.68E-07
2302	494311.06, 3860001.99	2.77E-03	8.74E-07	3.71E-07	2.99E-03	9.43E-07	4.00E-07	4.75E-03	1.50E-06	6.37E-07
2303	494361.06, 3860001.99	2.76E-03	8.70E-07	3.69E-07	2.97E-03	9.39E-07	3.98E-07	4.73E-03	1.49E-06	6.34E-07
2304	494411.06, 3860001.99	2.74E-03	8.64E-07	3.67E-07	2.96E-03	9.33E-07	3.96E-07	4.70E-03	1.48E-06	6.30E-07
2305	494461.06, 3860001.99	2.73E-03	8.61E-07	3.65E-07	2.94E-03	9.29E-07	3.94E-07	4.68E-03	1.48E-06	6.27E-07
2306	494511.06, 3860001.99	2.71E-03	8.56E-07	3.63E-07	2.93E-03	9.25E-07	3.92E-07	4.66E-03	1.47E-06	6.24E-07
2307	494561.06, 3860001.99	2.72E-03	8.58E-07	3.64E-07	2.93E-03	9.26E-07	3.93E-07	4.67E-03	1.47E-06	6.25E-07
2308	494611.06, 3860001.99	2.70E-03	8.53E-07	3.62E-07	2.92E-03	9.21E-07	3.91E-07	4.64E-03	1.46E-06	6.21E-07
2309	494661.06, 3860001.99	2.69E-03	8.50E-07	3.60E-07	2.91E-03	9.17E-07	3.89E-07	4.62E-03	1.46E-06	6.19E-07
2310	494711.06, 3860001.99	2.67E-03	8.41E-07	3.57E-07	2.88E-03	9.08E-07	3.85E-07	4.58E-03	1.45E-06	6.13E-07
2311	494761.06, 3860001.99	2.66E-03	8.41E-07	3.57E-07	2.88E-03	9.08E-07	3.85E-07	4.58E-03	1.44E-06	6.13E-07
2312	494811.06, 3860001.99	2.66E-03	8.38E-07	3.56E-07	2.87E-03	9.05E-07	3.84E-07	4.56E-03	1.44E-06	6.11E-07
2313	494861.06, 3860001.99	2.65E-03	8.36E-07	3.55E-07	2.86E-03	9.02E-07	3.83E-07	4.55E-03	1.44E-06	6.09E-07
2314	494911.06, 3860001.99	2.62E-03	8.28E-07	3.51E-07	2.83E-03	8.94E-07	3.79E-07	4.51E-03	1.42E-06	6.03E-07

2315	494961.06, 3860001.99	2.62E-03	8.25E-07	3.50E-07	2.82E-03	8.91E-07	3.78E-07	4.49E-03	1.42E-06	6.02E-07
2316	495011.06, 3860001.99	2.60E-03	8.21E-07	3.48E-07	2.81E-03	8.86E-07	3.76E-07	4.47E-03	1.41E-06	5.98E-07
2317	495061.06, 3860001.99	2.59E-03	8.19E-07	3.47E-07	2.80E-03	8.84E-07	3.75E-07	4.46E-03	1.41E-06	5.97E-07
2318	495111.06, 3860001.99	2.58E-03	8.14E-07	3.45E-07	2.79E-03	8.79E-07	3.73E-07	4.43E-03	1.40E-06	5.93E-07
2319	495161.06, 3860001.99	2.56E-03	8.10E-07	3.43E-07	2.77E-03	8.74E-07	3.71E-07	4.41E-03	1.39E-06	5.90E-07
2320	495211.06, 3860001.99	2.56E-03	8.07E-07	3.42E-07	2.76E-03	8.71E-07	3.70E-07	4.39E-03	1.39E-06	5.88E-07
2321	495261.06, 3860001.99	2.54E-03	8.03E-07	3.41E-07	2.75E-03	8.67E-07	3.68E-07	4.37E-03	1.38E-06	5.85E-07
2322	495311.06, 3860001.99	2.53E-03	8.00E-07	3.39E-07	2.74E-03	8.63E-07	3.66E-07	4.35E-03	1.37E-06	5.83E-07
2323	495361.06, 3860001.99	2.51E-03	7.94E-07	3.37E-07	2.71E-03	8.57E-07	3.64E-07	4.32E-03	1.36E-06	5.79E-07
2324	495411.06, 3860001.99	2.51E-03	7.92E-07	3.36E-07	2.71E-03	8.55E-07	3.63E-07	4.31E-03	1.36E-06	5.77E-07
2325	495461.06, 3860001.99	2.50E-03	7.88E-07	3.34E-07	2.70E-03	8.51E-07	3.61E-07	4.29E-03	1.35E-06	5.74E-07
2326	495511.06, 3860001.99	2.48E-03	7.84E-07	3.33E-07	2.68E-03	8.47E-07	3.59E-07	4.27E-03	1.35E-06	5.72E-07
2327	495561.06, 3860001.99	2.48E-03	7.82E-07	3.32E-07	2.67E-03	8.44E-07	3.58E-07	4.26E-03	1.34E-06	5.70E-07
2328	495611.06, 3860001.99	2.46E-03	7.77E-07	3.30E-07	2.66E-03	8.39E-07	3.56E-07	4.23E-03	1.34E-06	5.67E-07
2329	495661.06, 3860001.99	2.45E-03	7.72E-07	3.28E-07	2.64E-03	8.34E-07	3.54E-07	4.21E-03	1.33E-06	5.63E-07
2330	494411.06, 3860051.99	2.70E-03	8.53E-07	3.62E-07	2.92E-03	9.21E-07	3.91E-07	4.64E-03	1.46E-06	6.21E-07
2331	494461.06, 3860051.99	2.69E-03	8.49E-07	3.60E-07	2.90E-03	9.17E-07	3.89E-07	4.62E-03	1.46E-06	6.19E-07
2332	494511.06, 3860051.99	2.68E-03	8.45E-07	3.59E-07	2.89E-03	9.13E-07	3.87E-07	4.60E-03	1.45E-06	6.16E-07
2333	494561.06, 3860051.99	2.67E-03	8.44E-07	3.58E-07	2.89E-03	9.11E-07	3.87E-07	4.59E-03	1.45E-06	6.15E-07
2334	494611.06, 3860051.99	2.67E-03	8.41E-07	3.57E-07	2.88E-03	9.08E-07	3.85E-07	4.58E-03	1.44E-06	6.13E-07
2335	494661.06, 3860051.99	2.66E-03	8.38E-07	3.56E-07	2.87E-03	9.05E-07	3.84E-07	4.56E-03	1.44E-06	6.11E-07
2336	494711.06, 3860051.99	2.64E-03	8.33E-07	3.53E-07	2.85E-03	8.99E-07	3.82E-07	4.53E-03	1.43E-06	6.07E-07
2337	494761.06, 3860051.99	2.63E-03	8.30E-07	3.52E-07	2.84E-03	8.96E-07	3.80E-07	4.52E-03	1.43E-06	6.05E-07
2338	494811.06, 3860051.99	2.62E-03	8.28E-07	3.51E-07	2.83E-03	8.94E-07	3.79E-07	4.51E-03	1.42E-06	6.03E-07
2339	494861.06, 3860051.99	2.62E-03	8.26E-07	3.50E-07	2.82E-03	8.92E-07	3.78E-07	4.49E-03	1.42E-06	6.02E-07
2340	494911.06, 3860051.99	2.60E-03	8.21E-07	3.48E-07	2.81E-03	8.87E-07	3.76E-07	4.47E-03	1.41E-06	5.98E-07
2341	494961.06, 3860051.99	2.59E-03	8.16E-07	3.46E-07	2.79E-03	8.82E-07	3.74E-07	4.44E-03	1.40E-06	5.95E-07
2342	495011.06, 3860051.99	2.57E-03	8.12E-07	3.45E-07	2.78E-03	8.77E-07	3.72E-07	4.42E-03	1.39E-06	5.92E-07
2343	495061.06, 3860051.99	2.56E-03	8.08E-07	3.43E-07	2.77E-03	8.73E-07	3.70E-07	4.40E-03	1.39E-06	5.89E-07
2344	495111.06, 3860051.99	2.55E-03	8.04E-07	3.41E-07	2.75E-03	8.68E-07	3.68E-07	4.37E-03	1.38E-06	5.86E-07
2345	495161.06, 3860051.99	2.53E-03	8.00E-07	3.39E-07	2.74E-03	8.64E-07	3.66E-07	4.35E-03	1.37E-06	5.83E-07
2346	495211.06, 3860051.99	2.52E-03	7.96E-07	3.38E-07	2.72E-03	8.59E-07	3.65E-07	4.33E-03	1.37E-06	5.80E-07
2347	495261.06, 3860051.99	2.51E-03	7.93E-07	3.36E-07	2.71E-03	8.56E-07	3.63E-07	4.32E-03	1.36E-06	5.78E-07
2348	495311.06, 3860051.99	2.50E-03	7.90E-07	3.35E-07	2.70E-03	8.53E-07	3.62E-07	4.30E-03	1.36E-06	5.76E-07
2349	495361.06, 3860051.99	2.49E-03	7.87E-07	3.34E-07	2.69E-03	8.50E-07	3.61E-07	4.28E-03	1.35E-06	5.74E-07
2350	495411.06, 3860051.99	2.48E-03	7.84E-07	3.32E-07	2.68E-03	8.46E-07	3.59E-07	4.27E-03	1.35E-06	5.71E-07
2351	495461.06, 3860051.99	2.47E-03	7.80E-07	3.31E-07	2.67E-03	8.42E-07	3.57E-07	4.25E-03	1.34E-06	5.68E-07
2352	495511.06, 3860051.99	2.46E-03	7.77E-07	3.30E-07	2.66E-03	8.39E-07	3.56E-07	4.23E-03	1.33E-06	5.66E-07
2353	495561.06, 3860051.99	2.45E-03	7.73E-07	3.28E-07	2.65E-03	8.35E-07	3.54E-07	4.21E-03	1.33E-06	5.64E-07
2354	495611.06, 3860051.99	2.44E-03	7.69E-07	3.26E-07	2.63E-03	8.31E-07	3.53E-07	4.19E-03	1.32E-06	5.61E-07
2355	495661.06, 3860051.99	2.42E-03	7.65E-07	3.24E-07	2.62E-03	8.26E-07	3.50E-07	4.16E-03	1.31E-06	5.58E-07
2356	494411.06, 3860101.99	2.66E-03	8.39E-07	3.56E-07	2.87E-03	9.06E-07	3.84E-07	4.57E-03	1.44E-06	6.11E-07
2357	494461.06, 3860101.99	2.65E-03	8.38E-07	3.55E-07	2.87E-03	9.04E-07	3.84E-07	4.56E-03	1.44E-06	6.10E-07
2358	494511.06, 3860101.99	2.64E-03	8.33E-07	3.53E-07	2.85E-03	8.99E-07	3.82E-07	4.53E-03	1.43E-06	6.07E-07
2359	494561.06, 3860101.99	2.63E-03	8.30E-07	3.52E-07	2.84E-03	8.97E-07	3.80E-07	4.52E-03	1.43E-06	6.05E-07
2360	494611.06, 3860101.99	2.63E-03	8.29E-07	3.52E-07	2.84E-03	8.95E-07	3.80E-07	4.51E-03	1.42E-06	6.04E-07
2361	494661.06, 3860101.99	2.62E-03	8.26E-07	3.51E-07	2.83E-03	8.92E-07	3.78E-07	4.50E-03	1.42E-06	6.02E-07
2362	494711.06, 3860101.99	2.60E-03	8.22E-07	3.49E-07	2.81E-03	8.87E-07	3.76E-07	4.47E-03	1.41E-06	5.99E-07
2363	494761.06, 3860101.99	2.59E-03	8.19E-07	3.47E-07	2.80E-03	8.84E-07	3.75E-07	4.46E-03	1.41E-06	5.97E-07
2364	494811.06, 3860101.99	2.59E-03	8.16E-07	3.46E-07	2.79E-03	8.81E-07	3.74E-07	4.44E-03	1.40E-06	5.95E-07
2365	494861.06, 3860101.99	2.58E-03	8.16E-07	3.46E-07	2.79E-03	8.81E-07	3.74E-07	4.44E-03	1.40E-06	5.94E-07
2366	494911.06, 3860101.99	2.56E-03	8.08E-07	3.43E-07	2.77E-03	8.73E-07	3.70E-07	4.40E-03	1.39E-06	5.89E-07
2367	494961.06, 3860101.99	2.55E-03	8.05E-07	3.42E-07	2.75E-03	8.70E-07	3.69E-07	4.38E-03	1.38E-06	5.87E-07
2368	495011.06, 3860101.99	2.54E-03	8.01E-07	3.40E-07	2.74E-03	8.65E-07	3.67E-07	4.36E-03	1.38E-06	5.84E-07
2369	495061.06, 3860101.99	2.53E-03	7.97E-07	3.38E-07	2.73E-03	8.61E-07	3.65E-07	4.34E-03	1.37E-06	5.81E-07
2370	495111.06, 3860101.99	2.51E-03	7.93E-07	3.36E-07	2.71E-03	8.56E-07	3.63E-07	4.31E-03	1.36E-06	5.78E-07
2371	495161.06, 3860101.99	2.50E-03	7.90E-07	3.35E-07	2.70E-03	8.53E-07	3.62E-07	4.30E-03	1.36E-06	5.76E-07
2372	495211.06, 3860101.99	2.49E-03	7.87E-07	3.34E-07	2.69E-03	8.49E-07	3.60E-07	4.28E-03	1.35E-06	5.73E-07
2373	495261.06, 3860101.99	2.48E-03	7.83E-07	3.32E-07	2.68E-03	8.46E-07	3.59E-07	4.26E-03	1.35E-06	5.71E-07
2374	495311.06, 3860101.99	2.47E-03	7.80E-07	3.31E-07	2.67E-03	8.42E-07	3.57E-07	4.25E-03	1.34E-06	5.69E-07
2375	495361.06, 3860101.99	2.46E-03	7.77E-07	3.30E-07	2.66E-03	8.39E-07	3.56E-07	4.23E-03	1.34E-06	5.67E-07

2376	495411.06, 3860101.99	2.45E-03	7.74E-07	3.28E-07	2.65E-03	8.36E-07	3.55E-07	4.21E-03	1.33E-06	5.64E-07
2377	495461.06, 3860101.99	2.44E-03	7.70E-07	3.27E-07	2.63E-03	8.31E-07	3.53E-07	4.19E-03	1.32E-06	5.61E-07
2378	495511.06, 3860101.99	2.43E-03	7.67E-07	3.26E-07	2.62E-03	8.28E-07	3.51E-07	4.18E-03	1.32E-06	5.59E-07
2379	495561.06, 3860101.99	2.42E-03	7.65E-07	3.24E-07	2.62E-03	8.26E-07	3.50E-07	4.16E-03	1.31E-06	5.58E-07
2380	495611.06, 3860101.99	2.41E-03	7.60E-07	3.23E-07	2.60E-03	8.21E-07	3.48E-07	4.14E-03	1.31E-06	5.54E-07
2381	495661.06, 3860101.99	2.40E-03	7.57E-07	3.21E-07	2.59E-03	8.17E-07	3.47E-07	4.12E-03	1.30E-06	5.52E-07
2382	494861.06, 3860151.99	2.56E-03	8.08E-07	3.43E-07	2.76E-03	8.72E-07	3.70E-07	4.40E-03	1.39E-06	5.90E-07
2383	494911.06, 3860151.99	2.53E-03	7.98E-07	3.39E-07	2.73E-03	8.61E-07	3.66E-07	4.34E-03	1.37E-06	5.82E-07
2384	494961.06, 3860151.99	2.52E-03	7.94E-07	3.37E-07	2.72E-03	8.58E-07	3.64E-07	4.32E-03	1.36E-06	5.79E-07
2385	495011.06, 3860151.99	2.50E-03	7.91E-07	3.35E-07	2.70E-03	8.54E-07	3.62E-07	4.30E-03	1.36E-06	5.76E-07
2386	495061.06, 3860151.99	2.49E-03	7.87E-07	3.34E-07	2.69E-03	8.49E-07	3.60E-07	4.28E-03	1.35E-06	5.73E-07
2387	495111.06, 3860151.99	2.48E-03	7.83E-07	3.32E-07	2.68E-03	8.46E-07	3.59E-07	4.26E-03	1.35E-06	5.71E-07
2388	495161.06, 3860151.99	2.47E-03	7.80E-07	3.31E-07	2.67E-03	8.42E-07	3.57E-07	4.25E-03	1.34E-06	5.69E-07
2389	495211.06, 3860151.99	2.46E-03	7.77E-07	3.30E-07	2.66E-03	8.39E-07	3.56E-07	4.23E-03	1.33E-06	5.66E-07
2390	495261.06, 3860151.99	2.45E-03	7.74E-07	3.28E-07	2.65E-03	8.35E-07	3.54E-07	4.21E-03	1.33E-06	5.64E-07
2391	495311.06, 3860151.99	2.44E-03	7.71E-07	3.27E-07	2.64E-03	8.32E-07	3.53E-07	4.19E-03	1.32E-06	5.62E-07
2392	495361.06, 3860151.99	2.43E-03	7.68E-07	3.26E-07	2.63E-03	8.29E-07	3.52E-07	4.18E-03	1.32E-06	5.60E-07
2393	495411.06, 3860151.99	2.42E-03	7.64E-07	3.24E-07	2.62E-03	8.25E-07	3.50E-07	4.16E-03	1.31E-06	5.57E-07
2394	495461.06, 3860151.99	2.41E-03	7.61E-07	3.23E-07	2.60E-03	8.22E-07	3.49E-07	4.14E-03	1.31E-06	5.55E-07
2395	495511.06, 3860151.99	2.40E-03	7.58E-07	3.22E-07	2.59E-03	8.18E-07	3.47E-07	4.13E-03	1.30E-06	5.52E-07
2396	495561.06, 3860151.99	2.39E-03	7.55E-07	3.20E-07	2.58E-03	8.15E-07	3.46E-07	4.11E-03	1.30E-06	5.50E-07
2397	495611.06, 3860151.99	2.38E-03	7.52E-07	3.19E-07	2.57E-03	8.12E-07	3.44E-07	4.09E-03	1.29E-06	5.48E-07
2398	495661.06, 3860151.99	2.37E-03	7.48E-07	3.17E-07	2.56E-03	8.08E-07	3.43E-07	4.07E-03	1.29E-06	5.45E-07
2399	495718.25, 3859442.96	2.45E-03	7.73E-07	3.28E-07	2.64E-03	8.34E-07	3.54E-07	4.22E-03	1.33E-06	5.65E-07
2400	495818.25, 3859442.96	2.40E-03	7.58E-07	3.22E-07	2.59E-03	8.19E-07	3.47E-07	4.14E-03	1.31E-06	5.54E-07
2401	495918.25, 3859442.96	2.37E-03	7.48E-07	3.17E-07	2.56E-03	8.08E-07	3.43E-07	4.08E-03	1.29E-06	5.47E-07
2402	496018.25, 3859442.96	2.34E-03	7.39E-07	3.14E-07	2.53E-03	7.99E-07	3.39E-07	4.04E-03	1.27E-06	5.40E-07
2403	496118.25, 3859442.96	2.36E-03	7.44E-07	3.16E-07	2.55E-03	8.04E-07	3.41E-07	4.06E-03	1.28E-06	5.44E-07
2404	496218.25, 3859442.96	2.37E-03	7.47E-07	3.17E-07	2.56E-03	8.07E-07	3.42E-07	4.08E-03	1.29E-06	5.46E-07
2405	496318.25, 3859442.96	2.34E-03	7.40E-07	3.14E-07	2.53E-03	7.99E-07	3.39E-07	4.04E-03	1.27E-06	5.41E-07
2406	496418.25, 3859442.96	2.32E-03	7.32E-07	3.11E-07	2.50E-03	7.91E-07	3.35E-07	4.00E-03	1.26E-06	5.35E-07
2407	495718.25, 3859542.96	2.48E-03	7.83E-07	3.32E-07	2.68E-03	8.46E-07	3.59E-07	4.27E-03	1.35E-06	5.72E-07
2408	495818.25, 3859542.96	2.45E-03	7.73E-07	3.28E-07	2.64E-03	8.35E-07	3.54E-07	4.22E-03	1.33E-06	5.65E-07
2409	495918.25, 3859542.96	2.41E-03	7.60E-07	3.23E-07	2.60E-03	8.21E-07	3.48E-07	4.15E-03	1.31E-06	5.56E-07
2410	496018.25, 3859542.96	2.37E-03	7.50E-07	3.18E-07	2.57E-03	8.10E-07	3.43E-07	4.09E-03	1.29E-06	5.48E-07
2411	496118.25, 3859542.96	2.39E-03	7.53E-07	3.20E-07	2.58E-03	8.14E-07	3.45E-07	4.11E-03	1.30E-06	5.51E-07
2412	496218.25, 3859542.96	2.39E-03	7.53E-07	3.20E-07	2.58E-03	8.14E-07	3.45E-07	4.11E-03	1.30E-06	5.51E-07
2413	496318.25, 3859542.96	2.38E-03	7.50E-07	3.18E-07	2.57E-03	8.11E-07	3.44E-07	4.10E-03	1.29E-06	5.49E-07
2414	496418.25, 3859542.96	2.34E-03	7.40E-07	3.14E-07	2.53E-03	7.99E-07	3.39E-07	4.04E-03	1.27E-06	5.41E-07
2415	495718.25, 3859642.96	2.49E-03	7.86E-07	3.33E-07	2.69E-03	8.49E-07	3.60E-07	4.29E-03	1.35E-06	5.74E-07
2416	495818.25, 3859642.96	2.45E-03	7.74E-07	3.29E-07	2.65E-03	8.36E-07	3.55E-07	4.23E-03	1.33E-06	5.66E-07
2417	495918.25, 3859642.96	2.43E-03	7.67E-07	3.25E-07	2.62E-03	8.28E-07	3.51E-07	4.19E-03	1.32E-06	5.60E-07
2418	496018.25, 3859642.96	2.40E-03	7.57E-07	3.21E-07	2.59E-03	8.17E-07	3.47E-07	4.13E-03	1.30E-06	5.53E-07
2419	496118.25, 3859642.96	2.41E-03	7.61E-07	3.23E-07	2.61E-03	8.22E-07	3.49E-07	4.16E-03	1.31E-06	5.56E-07
2420	496218.25, 3859642.96	2.41E-03	7.62E-07	3.23E-07	2.61E-03	8.23E-07	3.49E-07	4.16E-03	1.31E-06	5.57E-07
2421	496318.25, 3859642.96	2.39E-03	7.54E-07	3.20E-07	2.58E-03	8.14E-07	3.45E-07	4.11E-03	1.30E-06	5.51E-07
2422	496418.25, 3859642.96	2.29E-03	7.24E-07	3.07E-07	2.48E-03	7.82E-07	3.32E-07	3.95E-03	1.25E-06	5.29E-07
2423	495718.25, 3859742.96	2.50E-03	7.90E-07	3.35E-07	2.70E-03	8.53E-07	3.62E-07	4.31E-03	1.36E-06	5.77E-07
2424	495818.25, 3859742.96	2.46E-03	7.78E-07	3.30E-07	2.66E-03	8.40E-07	3.56E-07	4.24E-03	1.34E-06	5.68E-07
2425	495918.25, 3859742.96	2.43E-03	7.68E-07	3.26E-07	2.63E-03	8.30E-07	3.52E-07	4.19E-03	1.32E-06	5.61E-07
2426	496018.25, 3859742.96	2.40E-03	7.58E-07	3.22E-07	2.59E-03	8.19E-07	3.47E-07	4.14E-03	1.31E-06	5.54E-07
2427	496118.25, 3859742.96	2.41E-03	7.60E-07	3.22E-07	2.60E-03	8.21E-07	3.48E-07	4.15E-03	1.31E-06	5.55E-07
2428	496218.25, 3859742.96	2.42E-03	7.63E-07	3.24E-07	2.61E-03	8.25E-07	3.50E-07	4.17E-03	1.31E-06	5.58E-07
2429	496318.25, 3859742.96	2.35E-03	7.41E-07	3.14E-07	2.54E-03	8.00E-07	3.40E-07	4.04E-03	1.28E-06	5.41E-07
2430	496418.25, 3859742.96	2.28E-03	7.20E-07	3.05E-07	2.46E-03	7.78E-07	3.30E-07	3.93E-03	1.24E-06	5.26E-07
2431	495718.25, 3859842.96	2.49E-03	7.86E-07	3.33E-07	2.69E-03	8.48E-07	3.60E-07	4.28E-03	1.35E-06	5.74E-07
2432	495818.25, 3859842.96	2.46E-03	7.77E-07	3.30E-07	2.66E-03	8.39E-07	3.56E-07	4.24E-03	1.34E-06	5.67E-07
2433	495918.25, 3859842.96	2.43E-03	7.68E-07	3.26E-07	2.63E-03	8.29E-07	3.52E-07	4.19E-03	1.32E-06	5.60E-07
2434	496018.25, 3859842.96	2.41E-03	7.62E-07	3.23E-07	2.61E-03	8.23E-07	3.49E-07	4.15E-03	1.31E-06	5.56E-07
2435	496118.25, 3859842.96	2.43E-03	7.66E-07	3.25E-07	2.62E-03	8.27E-07	3.51E-07	4.18E-03	1.32E-06	5.59E-07
2436	496218.25, 3859842.96	2.37E-03	7.47E-07	3.17E-07	2.56E-03	8.07E-07	3.42E-07	4.07E-03	1.29E-06	5.45E-07

2437	496318.25, 3859842.96	2.24E-03	7.08E-07	3.00E-07	2.42E-03	7.65E-07	3.25E-07	3.86E-03	1.22E-06	5.17E-07
2438	496418.25, 3859842.96	2.16E-03	6.81E-07	2.89E-07	2.33E-03	7.36E-07	3.12E-07	3.72E-03	1.17E-06	4.98E-07
2439	495718.25, 3859942.96	2.46E-03	7.76E-07	3.29E-07	2.65E-03	8.38E-07	3.55E-07	4.23E-03	1.33E-06	5.66E-07
2440	495818.25, 3859942.96	2.43E-03	7.67E-07	3.25E-07	2.62E-03	8.28E-07	3.51E-07	4.18E-03	1.32E-06	5.60E-07
2441	495918.25, 3859942.96	2.41E-03	7.61E-07	3.23E-07	2.60E-03	8.21E-07	3.48E-07	4.14E-03	1.31E-06	5.55E-07
2442	496018.25, 3859942.96	2.41E-03	7.60E-07	3.22E-07	2.60E-03	8.20E-07	3.48E-07	4.14E-03	1.31E-06	5.54E-07
2443	496118.25, 3859942.96	2.37E-03	7.46E-07	3.17E-07	2.55E-03	8.06E-07	3.42E-07	4.07E-03	1.28E-06	5.45E-07
2444	496218.25, 3859942.96	2.29E-03	7.24E-07	3.07E-07	2.48E-03	7.82E-07	3.32E-07	3.95E-03	1.25E-06	5.29E-07
2445	496318.25, 3859942.96	2.22E-03	6.99E-07	2.97E-07	2.39E-03	7.55E-07	3.21E-07	3.82E-03	1.20E-06	5.11E-07
2446	496418.25, 3859942.96	2.10E-03	6.64E-07	2.82E-07	2.27E-03	7.17E-07	3.04E-07	3.62E-03	1.14E-06	4.85E-07
2447	496856.82, 3858864.83	1.96E-03	6.18E-07	2.62E-07	2.11E-03	6.67E-07	2.83E-07	3.37E-03	1.06E-06	4.51E-07
2448	496956.82, 3858864.83	1.93E-03	6.09E-07	2.58E-07	2.08E-03	6.57E-07	2.79E-07	3.32E-03	1.05E-06	4.44E-07
2449	497056.82, 3858864.83	1.90E-03	6.00E-07	2.55E-07	2.05E-03	6.48E-07	2.75E-07	3.27E-03	1.03E-06	4.38E-07
2450	497156.82, 3858864.83	1.87E-03	5.89E-07	2.50E-07	2.02E-03	6.36E-07	2.70E-07	3.21E-03	1.01E-06	4.30E-07
2451	497256.82, 3858864.83	1.86E-03	5.86E-07	2.49E-07	2.00E-03	6.33E-07	2.68E-07	3.19E-03	1.01E-06	4.28E-07
2452	496856.82, 3858964.83	2.01E-03	6.33E-07	2.69E-07	2.17E-03	6.84E-07	2.90E-07	3.45E-03	1.09E-06	4.62E-07
2453	496956.82, 3858964.83	1.96E-03	6.20E-07	2.63E-07	2.12E-03	6.69E-07	2.84E-07	3.38E-03	1.07E-06	4.52E-07
2454	497056.82, 3858964.83	1.93E-03	6.10E-07	2.59E-07	2.09E-03	6.58E-07	2.79E-07	3.32E-03	1.05E-06	4.45E-07
2455	497156.82, 3858964.83	1.90E-03	5.99E-07	2.54E-07	2.05E-03	6.47E-07	2.75E-07	3.27E-03	1.03E-06	4.38E-07
2456	497256.82, 3858964.83	1.92E-03	6.05E-07	2.57E-07	2.07E-03	6.53E-07	2.77E-07	3.30E-03	1.04E-06	4.42E-07
2457	496856.82, 3859064.83	2.02E-03	6.39E-07	2.71E-07	2.19E-03	6.90E-07	2.93E-07	3.48E-03	1.10E-06	4.66E-07
2458	496956.82, 3859064.83	1.99E-03	6.28E-07	2.66E-07	2.15E-03	6.78E-07	2.88E-07	3.42E-03	1.08E-06	4.58E-07
2459	497056.82, 3859064.83	1.96E-03	6.19E-07	2.63E-07	2.12E-03	6.69E-07	2.84E-07	3.38E-03	1.07E-06	4.52E-07
2460	497156.82, 3859064.83	1.94E-03	6.12E-07	2.60E-07	2.09E-03	6.61E-07	2.80E-07	3.34E-03	1.05E-06	4.47E-07
2461	497256.82, 3859064.83	1.97E-03	6.22E-07	2.64E-07	2.13E-03	6.72E-07	2.85E-07	3.39E-03	1.07E-06	4.55E-07
2462	496856.82, 3859164.83	2.02E-03	6.38E-07	2.70E-07	2.18E-03	6.89E-07	2.92E-07	3.48E-03	1.10E-06	4.66E-07
2463	496956.82, 3859164.83	1.98E-03	6.26E-07	2.65E-07	2.14E-03	6.76E-07	2.87E-07	3.41E-03	1.08E-06	4.57E-07
2464	497056.82, 3859164.83	1.97E-03	6.21E-07	2.64E-07	2.13E-03	6.71E-07	2.85E-07	3.39E-03	1.07E-06	4.54E-07
2465	497156.82, 3859164.83	1.98E-03	6.25E-07	2.65E-07	2.14E-03	6.75E-07	2.87E-07	3.41E-03	1.08E-06	4.57E-07
2466	497256.82, 3859164.83	2.02E-03	6.39E-07	2.71E-07	2.19E-03	6.90E-07	2.93E-07	3.49E-03	1.10E-06	4.67E-07
2467	496856.82, 3859264.83	2.00E-03	6.32E-07	2.68E-07	2.16E-03	6.82E-07	2.90E-07	3.45E-03	1.09E-06	4.61E-07
2468	496956.82, 3859264.83	2.00E-03	6.30E-07	2.67E-07	2.16E-03	6.81E-07	2.89E-07	3.44E-03	1.08E-06	4.60E-07
2469	497056.82, 3859264.83	2.01E-03	6.35E-07	2.69E-07	2.17E-03	6.86E-07	2.91E-07	3.46E-03	1.09E-06	4.64E-07
2470	497156.82, 3859264.83	2.02E-03	6.38E-07	2.71E-07	2.18E-03	6.89E-07	2.93E-07	3.48E-03	1.10E-06	4.66E-07
2471	497256.82, 3859264.83	2.06E-03	6.49E-07	2.76E-07	2.22E-03	7.01E-07	2.98E-07	3.54E-03	1.12E-06	4.75E-07
2472	497088.92, 3858620.93	1.78E-03	5.63E-07	2.39E-07	1.92E-03	6.08E-07	2.58E-07	3.07E-03	9.67E-07	4.10E-07
2473	497138.92, 3858620.93	1.78E-03	5.62E-07	2.38E-07	1.92E-03	6.07E-07	2.57E-07	3.06E-03	9.66E-07	4.10E-07
2474	497188.92, 3858620.93	1.77E-03	5.58E-07	2.37E-07	1.91E-03	6.03E-07	2.56E-07	3.04E-03	9.60E-07	4.07E-07
2475	497238.92, 3858620.93	1.76E-03	5.55E-07	2.36E-07	1.90E-03	5.99E-07	2.54E-07	3.02E-03	9.55E-07	4.05E-07
2476	497088.92, 3858670.93	1.79E-03	5.64E-07	2.39E-07	1.93E-03	6.09E-07	2.58E-07	3.07E-03	9.69E-07	4.11E-07
2477	497138.92, 3858670.93	1.79E-03	5.66E-07	2.40E-07	1.94E-03	6.11E-07	2.59E-07	3.08E-03	9.73E-07	4.13E-07
2478	497188.92, 3858670.93	1.78E-03	5.61E-07	2.38E-07	1.92E-03	6.05E-07	2.57E-07	3.06E-03	9.64E-07	4.09E-07
2479	497238.92, 3858670.93	1.77E-03	5.60E-07	2.37E-07	1.91E-03	6.04E-07	2.56E-07	3.05E-03	9.62E-07	4.08E-07
2480	497088.92, 3858720.93	1.82E-03	5.76E-07	2.44E-07	1.97E-03	6.22E-07	2.64E-07	3.14E-03	9.90E-07	4.20E-07
2481	497138.92, 3858720.93	1.78E-03	5.62E-07	2.39E-07	1.92E-03	6.07E-07	2.58E-07	3.06E-03	9.67E-07	4.10E-07
2482	497188.92, 3858720.93	1.77E-03	5.59E-07	2.37E-07	1.91E-03	6.04E-07	2.56E-07	3.05E-03	9.62E-07	4.08E-07
2483	497238.92, 3858720.93	1.79E-03	5.66E-07	2.40E-07	1.94E-03	6.11E-07	2.59E-07	3.08E-03	9.73E-07	4.13E-07
2484	497088.92, 3858770.93	1.83E-03	5.79E-07	2.46E-07	1.98E-03	6.25E-07	2.65E-07	3.15E-03	9.95E-07	4.22E-07
2485	497138.92, 3858770.93	1.82E-03	5.73E-07	2.43E-07	1.96E-03	6.19E-07	2.62E-07	3.12E-03	9.85E-07	4.18E-07
2486	497188.92, 3858770.93	1.80E-03	5.68E-07	2.41E-07	1.94E-03	6.14E-07	2.60E-07	3.10E-03	9.78E-07	4.15E-07
2487	497238.92, 3858770.93	1.81E-03	5.72E-07	2.43E-07	1.96E-03	6.18E-07	2.62E-07	3.12E-03	9.84E-07	4.18E-07
2488	497396.65, 3858622.63	1.82E-03	5.76E-07	2.44E-07	1.97E-03	6.22E-07	2.64E-07	3.14E-03	9.90E-07	4.20E-07
2489	497496.65, 3858622.63	1.86E-03	5.87E-07	2.49E-07	2.01E-03	6.34E-07	2.69E-07	3.20E-03	1.01E-06	4.28E-07
2490	497596.65, 3858622.63	1.93E-03	6.08E-07	2.58E-07	2.08E-03	6.57E-07	2.79E-07	3.32E-03	1.05E-06	4.44E-07
2491	497696.65, 3858622.63	1.95E-03	6.14E-07	2.61E-07	2.10E-03	6.63E-07	2.81E-07	3.35E-03	1.06E-06	4.49E-07
2492	497796.65, 3858622.63	1.99E-03	6.28E-07	2.66E-07	2.15E-03	6.78E-07	2.88E-07	3.43E-03	1.08E-06	4.59E-07
2493	497896.65, 3858622.63	2.03E-03	6.41E-07	2.72E-07	2.20E-03	6.93E-07	2.94E-07	3.50E-03	1.10E-06	4.69E-07
2494	497396.65, 3858722.63	1.87E-03	5.90E-07	2.50E-07	2.02E-03	6.37E-07	2.70E-07	3.22E-03	1.02E-06	4.31E-07
2495	497496.65, 3858722.63	1.91E-03	6.02E-07	2.55E-07	2.06E-03	6.50E-07	2.76E-07	3.28E-03	1.04E-06	4.39E-07
2496	497596.65, 3858722.63	1.97E-03	6.23E-07	2.64E-07	2.13E-03	6.73E-07	2.85E-07	3.40E-03	1.07E-06	4.55E-07
2497	497696.65, 3858722.63	2.01E-03	6.34E-07	2.69E-07	2.17E-03	6.85E-07	2.91E-07	3.46E-03	1.09E-06	4.63E-07

2498	497796.65, 3858722.63	2.03E-03	6.39E-07	2.71E-07	2.19E-03	6.91E-07	2.93E-07	3.49E-03	1.10E-06	4.67E-07
2499	497896.65, 3858722.63	2.05E-03	6.48E-07	2.75E-07	2.22E-03	7.00E-07	2.97E-07	3.54E-03	1.12E-06	4.74E-07
2500	497396.65, 3858822.63	1.90E-03	5.99E-07	2.54E-07	2.05E-03	6.47E-07	2.74E-07	3.27E-03	1.03E-06	4.37E-07
2501	497496.65, 3858822.63	1.93E-03	6.09E-07	2.58E-07	2.08E-03	6.58E-07	2.79E-07	3.32E-03	1.05E-06	4.45E-07
2502	497596.65, 3858822.63	2.01E-03	6.33E-07	2.69E-07	2.17E-03	6.84E-07	2.90E-07	3.45E-03	1.09E-06	4.63E-07
2503	497696.65, 3858822.63	2.03E-03	6.41E-07	2.72E-07	2.20E-03	6.93E-07	2.94E-07	3.50E-03	1.10E-06	4.69E-07
2504	497796.65, 3858822.63	2.05E-03	6.47E-07	2.74E-07	2.21E-03	6.99E-07	2.96E-07	3.53E-03	1.11E-06	4.73E-07
2505	497896.65, 3858822.63	2.10E-03	6.63E-07	2.81E-07	2.27E-03	7.16E-07	3.04E-07	3.62E-03	1.14E-06	4.85E-07
2506	497396.65, 3858922.63	1.93E-03	6.09E-07	2.59E-07	2.09E-03	6.58E-07	2.79E-07	3.32E-03	1.05E-06	4.45E-07
2507	497496.65, 3858922.63	2.00E-03	6.30E-07	2.67E-07	2.16E-03	6.81E-07	2.89E-07	3.44E-03	1.09E-06	4.60E-07
2508	497596.65, 3858922.63	1.99E-03	6.29E-07	2.67E-07	2.15E-03	6.79E-07	2.88E-07	3.43E-03	1.08E-06	4.60E-07
2509	497696.65, 3858922.63	2.07E-03	6.53E-07	2.77E-07	2.23E-03	7.05E-07	2.99E-07	3.56E-03	1.12E-06	4.77E-07
2510	497796.65, 3858922.63	2.11E-03	6.65E-07	2.82E-07	2.28E-03	7.18E-07	3.05E-07	3.63E-03	1.15E-06	4.86E-07
2511	497896.65, 3858922.63	2.17E-03	6.85E-07	2.91E-07	2.34E-03	7.40E-07	3.14E-07	3.74E-03	1.18E-06	5.01E-07
2512	497364.44, 3858201.52	1.74E-03	5.48E-07	2.33E-07	1.88E-03	5.92E-07	2.51E-07	2.99E-03	9.43E-07	4.00E-07
2513	497414.44, 3858201.52	1.75E-03	5.53E-07	2.35E-07	1.89E-03	5.98E-07	2.54E-07	3.02E-03	9.52E-07	4.04E-07
2514	497464.44, 3858201.52	1.77E-03	5.58E-07	2.37E-07	1.91E-03	6.03E-07	2.56E-07	3.04E-03	9.60E-07	4.07E-07
2515	497514.44, 3858201.52	1.78E-03	5.60E-07	2.38E-07	1.92E-03	6.05E-07	2.57E-07	3.05E-03	9.64E-07	4.09E-07
2516	497564.44, 3858201.52	1.77E-03	5.58E-07	2.37E-07	1.91E-03	6.02E-07	2.56E-07	3.04E-03	9.60E-07	4.07E-07
2517	497614.44, 3858201.52	1.77E-03	5.59E-07	2.37E-07	1.91E-03	6.03E-07	2.56E-07	3.05E-03	9.61E-07	4.08E-07
2518	497364.44, 3858251.52	1.77E-03	5.57E-07	2.36E-07	1.91E-03	6.02E-07	2.55E-07	3.04E-03	9.58E-07	4.07E-07
2519	497414.44, 3858251.52	1.79E-03	5.65E-07	2.40E-07	1.93E-03	6.10E-07	2.59E-07	3.08E-03	9.71E-07	4.12E-07
2520	497464.44, 3858251.52	1.77E-03	5.60E-07	2.38E-07	1.92E-03	6.05E-07	2.57E-07	3.05E-03	9.63E-07	4.09E-07
2521	497514.44, 3858251.52	1.76E-03	5.54E-07	2.35E-07	1.90E-03	5.99E-07	2.54E-07	3.02E-03	9.53E-07	4.04E-07
2522	497564.44, 3858251.52	1.75E-03	5.52E-07	2.34E-07	1.89E-03	5.96E-07	2.53E-07	3.01E-03	9.50E-07	4.03E-07
2523	497614.44, 3858251.52	1.74E-03	5.51E-07	2.34E-07	1.88E-03	5.95E-07	2.52E-07	3.00E-03	9.47E-07	4.02E-07
2524	497364.44, 3858301.52	1.77E-03	5.59E-07	2.37E-07	1.91E-03	6.04E-07	2.56E-07	3.05E-03	9.61E-07	4.08E-07
2525	497414.44, 3858301.52	1.79E-03	5.63E-07	2.39E-07	1.93E-03	6.08E-07	2.58E-07	3.07E-03	9.69E-07	4.11E-07
2526	497464.44, 3858301.52	1.77E-03	5.57E-07	2.36E-07	1.91E-03	6.02E-07	2.55E-07	3.04E-03	9.58E-07	4.07E-07
2527	497514.44, 3858301.52	1.75E-03	5.53E-07	2.35E-07	1.89E-03	5.97E-07	2.53E-07	3.01E-03	9.52E-07	4.04E-07
2528	497564.44, 3858301.52	1.73E-03	5.47E-07	2.32E-07	1.87E-03	5.91E-07	2.51E-07	2.98E-03	9.41E-07	3.99E-07
2529	497614.44, 3858301.52	1.73E-03	5.45E-07	2.31E-07	1.86E-03	5.89E-07	2.50E-07	2.97E-03	9.37E-07	3.98E-07
2530	497364.44, 3858351.52	1.78E-03	5.62E-07	2.39E-07	1.92E-03	6.07E-07	2.58E-07	3.06E-03	9.67E-07	4.10E-07
2531	497414.44, 3858351.52	1.77E-03	5.58E-07	2.37E-07	1.91E-03	6.03E-07	2.56E-07	3.04E-03	9.60E-07	4.07E-07
2532	497464.44, 3858351.52	1.76E-03	5.57E-07	2.36E-07	1.90E-03	6.01E-07	2.55E-07	3.03E-03	9.57E-07	4.06E-07
2533	497514.44, 3858351.52	1.75E-03	5.53E-07	2.35E-07	1.89E-03	5.98E-07	2.54E-07	3.02E-03	9.52E-07	4.04E-07
2534	497564.44, 3858351.52	1.73E-03	5.46E-07	2.31E-07	1.87E-03	5.89E-07	2.50E-07	2.97E-03	9.38E-07	3.98E-07
2535	497614.44, 3858351.52	1.72E-03	5.44E-07	2.31E-07	1.86E-03	5.87E-07	2.49E-07	2.96E-03	9.35E-07	3.97E-07
2536	497364.44, 3858401.52	1.76E-03	5.56E-07	2.36E-07	1.90E-03	6.00E-07	2.55E-07	3.03E-03	9.56E-07	4.06E-07
2537	497414.44, 3858401.52	1.76E-03	5.56E-07	2.36E-07	1.90E-03	6.00E-07	2.55E-07	3.03E-03	9.56E-07	4.06E-07
2538	497464.44, 3858401.52	1.75E-03	5.52E-07	2.34E-07	1.89E-03	5.96E-07	2.53E-07	3.01E-03	9.49E-07	4.02E-07
2539	497514.44, 3858401.52	1.74E-03	5.49E-07	2.33E-07	1.88E-03	5.93E-07	2.52E-07	2.99E-03	9.45E-07	4.01E-07
2540	497564.44, 3858401.52	1.76E-03	5.55E-07	2.35E-07	1.90E-03	5.99E-07	2.54E-07	3.02E-03	9.54E-07	4.05E-07
2541	497614.44, 3858401.52	1.77E-03	5.59E-07	2.37E-07	1.91E-03	6.03E-07	2.56E-07	3.05E-03	9.61E-07	4.08E-07
2542	493478.11, 3860497.94	2.47E-03	7.80E-07	3.31E-07	2.67E-03	8.43E-07	3.57E-07	4.25E-03	1.34E-06	5.69E-07
2543	493528.11, 3860497.94	2.47E-03	7.78E-07	3.30E-07	2.66E-03	8.40E-07	3.56E-07	4.23E-03	1.34E-06	5.67E-07
2544	493478.11, 3860547.94	2.42E-03	7.64E-07	3.24E-07	2.61E-03	8.25E-07	3.50E-07	4.16E-03	1.31E-06	5.57E-07
2545	493528.11, 3860547.94	2.41E-03	7.62E-07	3.23E-07	2.61E-03	8.22E-07	3.49E-07	4.14E-03	1.31E-06	5.55E-07
2546	493478.11, 3860597.94	2.37E-03	7.48E-07	3.17E-07	2.56E-03	8.07E-07	3.43E-07	4.07E-03	1.28E-06	5.45E-07
2547	493528.11, 3860597.94	2.36E-03	7.46E-07	3.16E-07	2.55E-03	8.05E-07	3.42E-07	4.06E-03	1.28E-06	5.43E-07
2548	493561.88, 3860524.64	2.43E-03	7.68E-07	3.26E-07	2.63E-03	8.29E-07	3.52E-07	4.18E-03	1.32E-06	5.60E-07
2549	493591.88, 3860524.64	2.43E-03	7.67E-07	3.25E-07	2.62E-03	8.28E-07	3.51E-07	4.18E-03	1.32E-06	5.59E-07
2550	493561.88, 3860554.64	2.40E-03	7.58E-07	3.22E-07	2.59E-03	8.19E-07	3.47E-07	4.13E-03	1.30E-06	5.52E-07
2551	493591.88, 3860554.64	2.40E-03	7.58E-07	3.22E-07	2.59E-03	8.18E-07	3.47E-07	4.12E-03	1.30E-06	5.52E-07
2552	492880.5, 3860293.11	2.77E-03	8.74E-07	3.71E-07	2.99E-03	9.43E-07	4.00E-07	4.75E-03	1.50E-06	6.36E-07
2553	492930.5, 3860293.11	2.77E-03	8.73E-07	3.70E-07	2.99E-03	9.42E-07	4.00E-07	4.74E-03	1.50E-06	6.35E-07
2554	492980.5, 3860293.11	2.76E-03	8.72E-07	3.70E-07	2.98E-03	9.41E-07	3.99E-07	4.74E-03	1.50E-06	6.35E-07
2555	493030.5, 3860293.11	2.77E-03	8.73E-07	3.70E-07	2.99E-03	9.42E-07	4.00E-07	4.75E-03	1.50E-06	6.36E-07
2556	493080.5, 3860293.11	2.76E-03	8.73E-07	3.70E-07	2.99E-03	9.42E-07	4.00E-07	4.75E-03	1.50E-06	6.36E-07
2557	493130.5, 3860293.11	2.75E-03	8.69E-07	3.69E-07	2.97E-03	9.38E-07	3.98E-07	4.73E-03	1.49E-06	6.33E-07
2558	493180.5, 3860293.11	2.74E-03	8.65E-07	3.67E-07	2.96E-03	9.34E-07	3.96E-07	4.71E-03	1.49E-06	6.30E-07

2559 493230.5, 3860293.11	2.73E-03	8.63E-07	3.66E-07	2.95E-03	9.31E-07	3.95E-07	4.69E-03	1.48E-06	6.28E-07
2560 493280.5, 3860293.11	2.73E-03	8.61E-07	3.65E-07	2.95E-03	9.30E-07	3.95E-07	4.69E-03	1.48E-06	6.28E-07
2561 493330.5, 3860293.11	2.72E-03	8.59E-07	3.64E-07	2.94E-03	9.28E-07	3.94E-07	4.68E-03	1.48E-06	6.26E-07
2562 493380.5, 3860293.11	2.71E-03	8.57E-07	3.63E-07	2.93E-03	9.25E-07	3.92E-07	4.66E-03	1.47E-06	6.24E-07
2563 492880.5, 3860343.11	2.70E-03	8.53E-07	3.62E-07	2.92E-03	9.21E-07	3.91E-07	4.63E-03	1.46E-06	6.21E-07
2564 492930.5, 3860343.11	2.70E-03	8.52E-07	3.61E-07	2.91E-03	9.20E-07	3.90E-07	4.63E-03	1.46E-06	6.20E-07
2565 492980.5, 3860343.11	2.71E-03	8.55E-07	3.63E-07	2.92E-03	9.23E-07	3.91E-07	4.65E-03	1.47E-06	6.22E-07
2566 493030.5, 3860343.11	2.70E-03	8.53E-07	3.62E-07	2.92E-03	9.21E-07	3.91E-07	4.64E-03	1.46E-06	6.21E-07
2567 493080.5, 3860343.11	2.70E-03	8.54E-07	3.62E-07	2.92E-03	9.22E-07	3.91E-07	4.64E-03	1.47E-06	6.22E-07
2568 493130.5, 3860343.11	2.70E-03	8.51E-07	3.61E-07	2.91E-03	9.19E-07	3.90E-07	4.63E-03	1.46E-06	6.20E-07
2569 493180.5, 3860343.11	2.68E-03	8.47E-07	3.59E-07	2.90E-03	9.14E-07	3.88E-07	4.61E-03	1.45E-06	6.17E-07
2570 493230.5, 3860343.11	2.68E-03	8.44E-07	3.58E-07	2.89E-03	9.12E-07	3.87E-07	4.59E-03	1.45E-06	6.15E-07
2571 493280.5, 3860343.11	2.67E-03	8.43E-07	3.58E-07	2.89E-03	9.11E-07	3.86E-07	4.59E-03	1.45E-06	6.15E-07
2572 493330.5, 3860343.11	2.67E-03	8.42E-07	3.57E-07	2.88E-03	9.09E-07	3.86E-07	4.58E-03	1.45E-06	6.13E-07
2573 493380.5, 3860343.11	2.66E-03	8.39E-07	3.56E-07	2.87E-03	9.06E-07	3.85E-07	4.57E-03	1.44E-06	6.12E-07
2574 492880.5, 3860393.11	2.64E-03	8.32E-07	3.53E-07	2.85E-03	8.98E-07	3.81E-07	4.52E-03	1.43E-06	6.05E-07
2575 492930.5, 3860393.11	2.64E-03	8.32E-07	3.53E-07	2.85E-03	8.98E-07	3.81E-07	4.52E-03	1.43E-06	6.06E-07
2576 492980.5, 3860393.11	2.64E-03	8.33E-07	3.54E-07	2.85E-03	9.00E-07	3.82E-07	4.53E-03	1.43E-06	6.07E-07
2577 493030.5, 3860393.11	2.64E-03	8.33E-07	3.54E-07	2.85E-03	9.00E-07	3.82E-07	4.53E-03	1.43E-06	6.07E-07
2578 493080.5, 3860393.11	2.64E-03	8.35E-07	3.54E-07	2.86E-03	9.01E-07	3.82E-07	4.54E-03	1.43E-06	6.08E-07
2579 493130.5, 3860393.11	2.64E-03	8.32E-07	3.53E-07	2.85E-03	8.98E-07	3.81E-07	4.52E-03	1.43E-06	6.06E-07
2580 493180.5, 3860393.11	2.62E-03	8.28E-07	3.51E-07	2.83E-03	8.94E-07	3.79E-07	4.50E-03	1.42E-06	6.03E-07
2581 493230.5, 3860393.11	2.62E-03	8.26E-07	3.50E-07	2.83E-03	8.92E-07	3.78E-07	4.49E-03	1.42E-06	6.02E-07
2582 493280.5, 3860393.11	2.62E-03	8.26E-07	3.50E-07	2.82E-03	8.92E-07	3.78E-07	4.49E-03	1.42E-06	6.02E-07
2583 493330.5, 3860393.11	2.61E-03	8.25E-07	3.50E-07	2.82E-03	8.90E-07	3.78E-07	4.49E-03	1.42E-06	6.01E-07
2584 493380.5, 3860393.11	2.61E-03	8.23E-07	3.49E-07	2.81E-03	8.88E-07	3.77E-07	4.48E-03	1.41E-06	5.99E-07
2585 492880.5, 3860443.11	2.57E-03	8.12E-07	3.45E-07	2.78E-03	8.77E-07	3.72E-07	4.41E-03	1.39E-06	5.91E-07
2586 492930.5, 3860443.11	2.57E-03	8.11E-07	3.44E-07	2.78E-03	8.76E-07	3.72E-07	4.41E-03	1.39E-06	5.90E-07
2587 492980.5, 3860443.11	2.57E-03	8.13E-07	3.45E-07	2.78E-03	8.77E-07	3.72E-07	4.42E-03	1.39E-06	5.91E-07
2588 493030.5, 3860443.11	2.58E-03	8.13E-07	3.45E-07	2.78E-03	8.78E-07	3.72E-07	4.42E-03	1.40E-06	5.92E-07
2589 493080.5, 3860443.11	2.57E-03	8.12E-07	3.45E-07	2.78E-03	8.77E-07	3.72E-07	4.42E-03	1.39E-06	5.91E-07
2590 493130.5, 3860443.11	2.57E-03	8.11E-07	3.44E-07	2.78E-03	8.76E-07	3.72E-07	4.41E-03	1.39E-06	5.91E-07
2591 493180.5, 3860443.11	2.56E-03	8.08E-07	3.43E-07	2.76E-03	8.72E-07	3.70E-07	4.39E-03	1.39E-06	5.88E-07
2592 493230.5, 3860443.11	2.56E-03	8.08E-07	3.43E-07	2.77E-03	8.73E-07	3.70E-07	4.40E-03	1.39E-06	5.89E-07
2593 493280.5, 3860443.11	2.56E-03	8.08E-07	3.43E-07	2.76E-03	8.72E-07	3.70E-07	4.39E-03	1.39E-06	5.88E-07
2594 493330.5, 3860443.11	2.56E-03	8.07E-07	3.43E-07	2.76E-03	8.72E-07	3.70E-07	4.39E-03	1.39E-06	5.88E-07
2595 493380.5, 3860443.11	2.55E-03	8.05E-07	3.42E-07	2.75E-03	8.69E-07	3.69E-07	4.38E-03	1.38E-06	5.87E-07
2596 493180.5, 3860493.11	2.50E-03	7.90E-07	3.35E-07	2.70E-03	8.53E-07	3.62E-07	4.30E-03	1.36E-06	5.75E-07
2597 493230.5, 3860493.11	2.50E-03	7.90E-07	3.35E-07	2.70E-03	8.53E-07	3.62E-07	4.30E-03	1.36E-06	5.76E-07
2598 493280.5, 3860493.11	2.50E-03	7.90E-07	3.35E-07	2.70E-03	8.53E-07	3.62E-07	4.30E-03	1.36E-06	5.76E-07
2599 493330.5, 3860493.11	2.50E-03	7.89E-07	3.35E-07	2.70E-03	8.52E-07	3.62E-07	4.29E-03	1.36E-06	5.75E-07
2600 493380.5, 3860493.11	2.49E-03	7.87E-07	3.34E-07	2.69E-03	8.50E-07	3.61E-07	4.28E-03	1.35E-06	5.74E-07
2601 493330.5, 3860543.11	2.45E-03	7.72E-07	3.28E-07	2.64E-03	8.34E-07	3.54E-07	4.20E-03	1.33E-06	5.62E-07
2602 493380.5, 3860543.11	2.44E-03	7.70E-07	3.27E-07	2.63E-03	8.31E-07	3.53E-07	4.19E-03	1.32E-06	5.61E-07
2603 494135.94, 3860876.85	2.06E-03	6.50E-07	2.76E-07	2.22E-03	7.02E-07	2.98E-07	3.54E-03	1.12E-06	4.74E-07
2604 494185.94, 3860876.85	2.05E-03	6.48E-07	2.75E-07	2.22E-03	7.00E-07	2.97E-07	3.53E-03	1.11E-06	4.73E-07
2605 494135.94, 3860926.85	2.02E-03	6.36E-07	2.70E-07	2.18E-03	6.87E-07	2.92E-07	3.46E-03	1.09E-06	4.64E-07
2606 494185.94, 3860926.85	2.01E-03	6.35E-07	2.70E-07	2.17E-03	6.86E-07	2.91E-07	3.46E-03	1.09E-06	4.63E-07
2607 494135.94, 3860976.85	1.98E-03	6.23E-07	2.65E-07	2.13E-03	6.73E-07	2.86E-07	3.39E-03	1.07E-06	4.54E-07
2608 494185.94, 3860976.85	1.97E-03	6.23E-07	2.64E-07	2.13E-03	6.72E-07	2.85E-07	3.39E-03	1.07E-06	4.54E-07
2609 494135.94, 3861026.85	1.93E-03	6.10E-07	2.59E-07	2.09E-03	6.59E-07	2.80E-07	3.32E-03	1.05E-06	4.45E-07
2610 494185.94, 3861026.85	1.93E-03	6.10E-07	2.59E-07	2.09E-03	6.59E-07	2.79E-07	3.32E-03	1.05E-06	4.45E-07
2611 494135.94, 3861076.85	1.89E-03	5.98E-07	2.54E-07	2.04E-03	6.45E-07	2.74E-07	3.25E-03	1.03E-06	4.36E-07
2612 494185.94, 3861076.85	1.89E-03	5.97E-07	2.53E-07	2.04E-03	6.45E-07	2.74E-07	3.25E-03	1.03E-06	4.35E-07
2613 490360.04, 3858710.04	9.35E-03	2.95E-06	1.25E-06	1.01E-02	3.18E-06	1.35E-06	1.59E-02	5.01E-06	2.12E-06
2614 490410.04, 3858710.04	9.22E-03	2.91E-06	1.23E-06	9.94E-03	3.14E-06	1.33E-06	1.57E-02	4.94E-06	2.10E-06
2615 490460.04, 3858710.04	9.08E-03	2.87E-06	1.22E-06	9.80E-03	3.09E-06	1.31E-06	1.54E-02	4.88E-06	2.07E-06
2616 490510.04, 3858710.04	8.96E-03	2.83E-06	1.20E-06	9.66E-03	3.05E-06	1.29E-06	1.52E-02	4.81E-06	2.04E-06
2617 490560.04, 3858710.04	8.83E-03	2.79E-06	1.18E-06	9.53E-03	3.01E-06	1.28E-06	1.50E-02	4.75E-06	2.01E-06
2618 490610.04, 3858710.04	8.71E-03	2.75E-06	1.17E-06	9.39E-03	2.97E-06	1.26E-06	1.48E-02	4.69E-06	1.99E-06
2619 490660.04, 3858710.04	8.60E-03	2.71E-06	1.15E-06	9.28E-03	2.93E-06	1.24E-06	1.47E-02	4.63E-06	1.96E-06

2620 490710.04, 3858710.04	8.45E-03	2.67E-06	1.13E-06	9.11E-03	2.88E-06	1.22E-06	1.44E-02	4.55E-06	1.93E-06
2621 490760.04, 3858710.04	8.32E-03	2.63E-06	1.11E-06	8.98E-03	2.83E-06	1.20E-06	1.42E-02	4.49E-06	1.90E-06
2622 490810.04, 3858710.04	8.20E-03	2.59E-06	1.10E-06	8.85E-03	2.79E-06	1.19E-06	1.40E-02	4.42E-06	1.88E-06
2623 490860.04, 3858710.04	8.07E-03	2.55E-06	1.08E-06	8.71E-03	2.75E-06	1.17E-06	1.38E-02	4.36E-06	1.85E-06
2624 490360.04, 3858760.04	9.02E-03	2.85E-06	1.21E-06	9.72E-03	3.07E-06	1.30E-06	1.53E-02	4.82E-06	2.05E-06
2625 490410.04, 3858760.04	8.90E-03	2.81E-06	1.19E-06	9.59E-03	3.03E-06	1.28E-06	1.51E-02	4.77E-06	2.02E-06
2626 490460.04, 3858760.04	8.77E-03	2.77E-06	1.17E-06	9.46E-03	2.99E-06	1.27E-06	1.49E-02	4.70E-06	2.00E-06
2627 490510.04, 3858760.04	8.65E-03	2.73E-06	1.16E-06	9.33E-03	2.94E-06	1.25E-06	1.47E-02	4.64E-06	1.97E-06
2628 490560.04, 3858760.04	8.53E-03	2.69E-06	1.14E-06	9.20E-03	2.90E-06	1.23E-06	1.45E-02	4.58E-06	1.95E-06
2629 490610.04, 3858760.04	8.41E-03	2.66E-06	1.13E-06	9.07E-03	2.86E-06	1.22E-06	1.43E-02	4.53E-06	1.92E-06
2630 490660.04, 3858760.04	8.27E-03	2.61E-06	1.11E-06	8.92E-03	2.81E-06	1.19E-06	1.41E-02	4.45E-06	1.89E-06
2631 490710.04, 3858760.04	8.15E-03	2.57E-06	1.09E-06	8.79E-03	2.78E-06	1.18E-06	1.39E-02	4.39E-06	1.86E-06
2632 490760.04, 3858760.04	8.03E-03	2.53E-06	1.07E-06	8.66E-03	2.73E-06	1.16E-06	1.37E-02	4.33E-06	1.84E-06
2633 490810.04, 3858760.04	7.91E-03	2.50E-06	1.06E-06	8.53E-03	2.69E-06	1.14E-06	1.35E-02	4.27E-06	1.81E-06
2634 490860.04, 3858760.04	7.80E-03	2.46E-06	1.04E-06	8.41E-03	2.66E-06	1.13E-06	1.33E-02	4.21E-06	1.79E-06
2635 490360.04, 3858810.04	8.68E-03	2.74E-06	1.16E-06	9.36E-03	2.95E-06	1.25E-06	1.47E-02	4.64E-06	1.97E-06
2636 490410.04, 3858810.04	8.57E-03	2.70E-06	1.15E-06	9.24E-03	2.92E-06	1.24E-06	1.45E-02	4.59E-06	1.95E-06
2637 490460.04, 3858810.04	8.45E-03	2.67E-06	1.13E-06	9.12E-03	2.88E-06	1.22E-06	1.44E-02	4.53E-06	1.92E-06
2638 490510.04, 3858810.04	8.35E-03	2.63E-06	1.12E-06	9.00E-03	2.84E-06	1.21E-06	1.42E-02	4.48E-06	1.90E-06
2639 490560.04, 3858810.04	8.24E-03	2.60E-06	1.10E-06	8.88E-03	2.80E-06	1.19E-06	1.40E-02	4.42E-06	1.88E-06
2640 490610.04, 3858810.04	8.12E-03	2.56E-06	1.09E-06	8.76E-03	2.76E-06	1.17E-06	1.38E-02	4.37E-06	1.85E-06
2641 490660.04, 3858810.04	7.98E-03	2.52E-06	1.07E-06	8.60E-03	2.72E-06	1.15E-06	1.36E-02	4.29E-06	1.82E-06
2642 490710.04, 3858810.04	7.86E-03	2.48E-06	1.05E-06	8.48E-03	2.68E-06	1.14E-06	1.34E-02	4.23E-06	1.80E-06
2643 490760.04, 3858810.04	7.73E-03	2.44E-06	1.03E-06	8.34E-03	2.63E-06	1.12E-06	1.32E-02	4.17E-06	1.77E-06
2644 490810.04, 3858810.04	7.64E-03	2.41E-06	1.02E-06	8.24E-03	2.60E-06	1.10E-06	1.30E-02	4.12E-06	1.75E-06
2645 490860.04, 3858810.04	7.52E-03	2.37E-06	1.01E-06	8.11E-03	2.56E-06	1.09E-06	1.29E-02	4.06E-06	1.72E-06
2646 490360.04, 3858860.04	8.34E-03	2.63E-06	1.12E-06	8.99E-03	2.84E-06	1.20E-06	1.41E-02	4.46E-06	1.89E-06
2647 490410.04, 3858860.04	8.25E-03	2.60E-06	1.10E-06	8.89E-03	2.81E-06	1.19E-06	1.40E-02	4.41E-06	1.87E-06
2648 490460.04, 3858860.04	8.14E-03	2.57E-06	1.09E-06	8.77E-03	2.77E-06	1.17E-06	1.38E-02	4.36E-06	1.85E-06
2649 490510.04, 3858860.04	8.04E-03	2.54E-06	1.08E-06	8.67E-03	2.74E-06	1.16E-06	1.37E-02	4.31E-06	1.83E-06
2650 490560.04, 3858860.04	7.94E-03	2.51E-06	1.06E-06	8.56E-03	2.70E-06	1.15E-06	1.35E-02	4.26E-06	1.81E-06
2651 490610.04, 3858860.04	7.79E-03	2.46E-06	1.04E-06	8.40E-03	2.65E-06	1.12E-06	1.33E-02	4.18E-06	1.78E-06
2652 490660.04, 3858860.04	7.68E-03	2.42E-06	1.03E-06	8.29E-03	2.62E-06	1.11E-06	1.31E-02	4.13E-06	1.75E-06
2653 490710.04, 3858860.04	7.59E-03	2.39E-06	1.02E-06	8.19E-03	2.58E-06	1.10E-06	1.29E-02	4.08E-06	1.73E-06
2654 490760.04, 3858860.04	7.47E-03	2.36E-06	1.00E-06	8.06E-03	2.54E-06	1.08E-06	1.27E-02	4.02E-06	1.71E-06
2655 490810.04, 3858860.04	7.35E-03	2.32E-06	9.84E-07	7.93E-03	2.50E-06	1.06E-06	1.26E-02	3.96E-06	1.68E-06
2656 490860.04, 3858860.04	7.23E-03	2.28E-06	9.68E-07	7.80E-03	2.46E-06	1.04E-06	1.24E-02	3.90E-06	1.66E-06
2657 490360.04, 3858910.04	8.02E-03	2.53E-06	1.07E-06	8.64E-03	2.73E-06	1.16E-06	1.36E-02	4.28E-06	1.82E-06
2658 490410.04, 3858910.04	7.93E-03	2.50E-06	1.06E-06	8.55E-03	2.70E-06	1.14E-06	1.34E-02	4.24E-06	1.80E-06
2659 490460.04, 3858910.04	7.83E-03	2.47E-06	1.05E-06	8.45E-03	2.67E-06	1.13E-06	1.33E-02	4.20E-06	1.78E-06
2660 490510.04, 3858910.04	7.74E-03	2.44E-06	1.04E-06	8.34E-03	2.63E-06	1.12E-06	1.31E-02	4.15E-06	1.76E-06
2661 490560.04, 3858910.04	7.64E-03	2.41E-06	1.02E-06	8.24E-03	2.60E-06	1.10E-06	1.30E-02	4.10E-06	1.74E-06
2662 490610.04, 3858910.04	7.50E-03	2.37E-06	1.00E-06	8.09E-03	2.55E-06	1.08E-06	1.28E-02	4.03E-06	1.71E-06
2663 490660.04, 3858910.04	7.40E-03	2.33E-06	9.91E-07	7.98E-03	2.52E-06	1.07E-06	1.26E-02	3.98E-06	1.69E-06
2664 490710.04, 3858910.04	7.29E-03	2.30E-06	9.76E-07	7.86E-03	2.48E-06	1.05E-06	1.24E-02	3.92E-06	1.67E-06
2665 490760.04, 3858910.04	7.17E-03	2.26E-06	9.60E-07	7.74E-03	2.44E-06	1.04E-06	1.22E-02	3.86E-06	1.64E-06
2666 490810.04, 3858910.04	7.07E-03	2.23E-06	9.47E-07	7.63E-03	2.41E-06	1.02E-06	1.21E-02	3.81E-06	1.62E-06
2667 490860.04, 3858910.04	6.95E-03	2.19E-06	9.30E-07	7.50E-03	2.37E-06	1.00E-06	1.19E-02	3.75E-06	1.59E-06
2668 490360.04, 3858960.04	7.70E-03	2.43E-06	1.03E-06	8.29E-03	2.62E-06	1.11E-06	1.30E-02	4.11E-06	1.74E-06
2669 490410.04, 3858960.04	7.61E-03	2.40E-06	1.02E-06	8.20E-03	2.59E-06	1.10E-06	1.29E-02	4.07E-06	1.73E-06
2670 490460.04, 3858960.04	7.52E-03	2.37E-06	1.01E-06	8.11E-03	2.56E-06	1.09E-06	1.28E-02	4.03E-06	1.71E-06
2671 490510.04, 3858960.04	7.43E-03	2.35E-06	9.95E-07	8.01E-03	2.53E-06	1.07E-06	1.26E-02	3.99E-06	1.69E-06
2672 490560.04, 3858960.04	7.31E-03	2.31E-06	9.79E-07	7.88E-03	2.49E-06	1.06E-06	1.24E-02	3.92E-06	1.66E-06
2673 490610.04, 3858960.04	7.20E-03	2.27E-06	9.64E-07	7.76E-03	2.45E-06	1.04E-06	1.23E-02	3.87E-06	1.64E-06
2674 490660.04, 3858960.04	7.12E-03	2.25E-06	9.53E-07	7.68E-03	2.42E-06	1.03E-06	1.21E-02	3.83E-06	1.62E-06
2675 490710.04, 3858960.04	7.01E-03	2.21E-06	9.38E-07	7.56E-03	2.39E-06	1.01E-06	1.20E-02	3.77E-06	1.60E-06
2676 490760.04, 3858960.04	6.90E-03	2.18E-06	9.24E-07	7.44E-03	2.35E-06	9.97E-07	1.18E-02	3.72E-06	1.58E-06
2677 490810.04, 3858960.04	6.79E-03	2.14E-06	9.09E-07	7.33E-03	2.31E-06	9.81E-07	1.16E-02	3.66E-06	1.55E-06
2678 490860.04, 3858960.04	6.66E-03	2.10E-06	8.92E-07	7.19E-03	2.27E-06	9.63E-07	1.14E-02	3.60E-06	1.53E-06
2679 490360.04, 3859010.04	7.38E-03	2.33E-06	9.88E-07	7.96E-03	2.51E-06	1.07E-06	1.25E-02	3.94E-06	1.67E-06
2680 490410.04, 3859010.04	7.30E-03	2.30E-06	9.78E-07	7.87E-03	2.48E-06	1.05E-06	1.24E-02	3.91E-06	1.66E-06

2681 490460.04, 3859010.04	7.21E-03	2.28E-06	9.66E-07	7.78E-03	2.45E-06	1.04E-06	1.22E-02	3.87E-06	1.64E-06
2682 490510.04, 3859010.04	7.08E-03	2.23E-06	9.48E-07	7.64E-03	2.41E-06	1.02E-06	1.20E-02	3.80E-06	1.61E-06
2683 490560.04, 3859010.04	7.00E-03	2.21E-06	9.38E-07	7.55E-03	2.38E-06	1.01E-06	1.19E-02	3.76E-06	1.60E-06
2684 490610.04, 3859010.04	6.90E-03	2.18E-06	9.24E-07	7.44E-03	2.35E-06	9.97E-07	1.18E-02	3.71E-06	1.57E-06
2685 490660.04, 3859010.04	6.83E-03	2.16E-06	9.15E-07	7.37E-03	2.33E-06	9.87E-07	1.16E-02	3.67E-06	1.56E-06
2686 490710.04, 3859010.04	6.72E-03	2.12E-06	9.00E-07	7.25E-03	2.29E-06	9.71E-07	1.15E-02	3.62E-06	1.54E-06
2687 490760.04, 3859010.04	6.62E-03	2.09E-06	8.86E-07	7.14E-03	2.25E-06	9.56E-07	1.13E-02	3.57E-06	1.51E-06
2688 490810.04, 3859010.04	6.50E-03	2.05E-06	8.71E-07	7.02E-03	2.22E-06	9.40E-07	1.11E-02	3.51E-06	1.49E-06
2689 490860.04, 3859010.04	6.40E-03	2.02E-06	8.57E-07	6.90E-03	2.18E-06	9.25E-07	1.10E-02	3.46E-06	1.47E-06
2690 490360.04, 3859060.04	7.07E-03	2.23E-06	9.47E-07	7.62E-03	2.41E-06	1.02E-06	1.20E-02	3.78E-06	1.60E-06
2691 490410.04, 3859060.04	6.99E-03	2.21E-06	9.36E-07	7.54E-03	2.38E-06	1.01E-06	1.19E-02	3.74E-06	1.59E-06
2692 490460.04, 3859060.04	6.91E-03	2.18E-06	9.26E-07	7.45E-03	2.35E-06	9.98E-07	1.17E-02	3.71E-06	1.57E-06
2693 490510.04, 3859060.04	6.79E-03	2.14E-06	9.10E-07	7.32E-03	2.31E-06	9.81E-07	1.15E-02	3.64E-06	1.55E-06
2694 490560.04, 3859060.04	6.69E-03	2.11E-06	8.97E-07	7.22E-03	2.28E-06	9.67E-07	1.14E-02	3.60E-06	1.53E-06
2695 490610.04, 3859060.04	6.62E-03	2.09E-06	8.86E-07	7.14E-03	2.25E-06	9.56E-07	1.13E-02	3.56E-06	1.51E-06
2696 490660.04, 3859060.04	6.54E-03	2.06E-06	8.76E-07	7.06E-03	2.23E-06	9.45E-07	1.12E-02	3.52E-06	1.49E-06
2697 490710.04, 3859060.04	6.43E-03	2.03E-06	8.62E-07	6.94E-03	2.19E-06	9.30E-07	1.10E-02	3.47E-06	1.47E-06
2698 490760.04, 3859060.04	6.33E-03	2.00E-06	8.48E-07	6.83E-03	2.16E-06	9.15E-07	1.08E-02	3.41E-06	1.45E-06
2699 490810.04, 3859060.04	6.22E-03	1.96E-06	8.33E-07	6.71E-03	2.12E-06	8.99E-07	1.06E-02	3.36E-06	1.43E-06
2700 490860.04, 3859060.04	6.11E-03	1.93E-06	8.19E-07	6.60E-03	2.08E-06	8.84E-07	1.05E-02	3.30E-06	1.40E-06
2701 490360.04, 3859110.04	6.78E-03	2.14E-06	9.08E-07	7.31E-03	2.31E-06	9.79E-07	1.15E-02	3.63E-06	1.54E-06
2702 490410.04, 3859110.04	6.71E-03	2.12E-06	8.98E-07	7.23E-03	2.28E-06	9.69E-07	1.14E-02	3.59E-06	1.52E-06
2703 490460.04, 3859110.04	6.64E-03	2.10E-06	8.90E-07	7.16E-03	2.26E-06	9.59E-07	1.13E-02	3.56E-06	1.51E-06
2704 490510.04, 3859110.04	6.50E-03	2.05E-06	8.70E-07	7.01E-03	2.21E-06	9.39E-07	1.11E-02	3.49E-06	1.48E-06
2705 490560.04, 3859110.04	6.42E-03	2.02E-06	8.59E-07	6.92E-03	2.18E-06	9.27E-07	1.09E-02	3.45E-06	1.46E-06
2706 490610.04, 3859110.04	6.32E-03	2.00E-06	8.47E-07	6.82E-03	2.15E-06	9.13E-07	1.08E-02	3.40E-06	1.44E-06
2707 490660.04, 3859110.04	6.22E-03	1.96E-06	8.32E-07	6.71E-03	2.12E-06	8.98E-07	1.06E-02	3.35E-06	1.42E-06
2708 490710.04, 3859110.04	6.14E-03	1.94E-06	8.22E-07	6.62E-03	2.09E-06	8.87E-07	1.05E-02	3.31E-06	1.40E-06
2709 490760.04, 3859110.04	6.04E-03	1.91E-06	8.09E-07	6.52E-03	2.06E-06	8.73E-07	1.03E-02	3.26E-06	1.38E-06
2710 490810.04, 3859110.04	5.93E-03	1.87E-06	7.94E-07	6.40E-03	2.02E-06	8.57E-07	1.02E-02	3.20E-06	1.36E-06
2711 490860.04, 3859110.04	5.81E-03	1.83E-06	7.78E-07	6.27E-03	1.98E-06	8.40E-07	9.96E-03	3.14E-06	1.33E-06
2712 490360.04, 3859160.04	6.51E-03	2.05E-06	8.71E-07	7.01E-03	2.21E-06	9.39E-07	1.10E-02	3.48E-06	1.48E-06
2713 490410.04, 3859160.04	6.44E-03	2.03E-06	8.63E-07	6.95E-03	2.19E-06	9.30E-07	1.09E-02	3.45E-06	1.46E-06
2714 490460.04, 3859160.04	6.38E-03	2.01E-06	8.54E-07	6.88E-03	2.17E-06	9.21E-07	1.08E-02	3.42E-06	1.45E-06
2715 490510.04, 3859160.04	6.26E-03	1.98E-06	8.39E-07	6.76E-03	2.13E-06	9.05E-07	1.07E-02	3.36E-06	1.43E-06
2716 490560.04, 3859160.04	6.16E-03	1.95E-06	8.25E-07	6.65E-03	2.10E-06	8.90E-07	1.05E-02	3.31E-06	1.41E-06
2717 490610.04, 3859160.04	6.09E-03	1.92E-06	8.15E-07	6.57E-03	2.07E-06	8.79E-07	1.04E-02	3.28E-06	1.39E-06
2718 490660.04, 3859160.04	5.94E-03	1.87E-06	7.95E-07	6.41E-03	2.02E-06	8.58E-07	1.01E-02	3.20E-06	1.36E-06
2719 490710.04, 3859160.04	5.86E-03	1.85E-06	7.85E-07	6.32E-03	2.00E-06	8.47E-07	1.00E-02	3.16E-06	1.34E-06
2720 490760.04, 3859160.04	5.73E-03	1.81E-06	7.67E-07	6.18E-03	1.95E-06	8.28E-07	9.81E-03	3.09E-06	1.31E-06
2721 490810.04, 3859160.04	5.64E-03	1.78E-06	7.55E-07	6.09E-03	1.92E-06	8.15E-07	9.67E-03	3.05E-06	1.29E-06
2722 490860.04, 3859160.04	5.55E-03	1.75E-06	7.43E-07	5.99E-03	1.89E-06	8.02E-07	9.51E-03	3.00E-06	1.27E-06
2723 490360.04, 3859210.04	6.24E-03	1.97E-06	8.35E-07	6.73E-03	2.12E-06	9.01E-07	1.06E-02	3.34E-06	1.42E-06
2724 490410.04, 3859210.04	6.20E-03	1.96E-06	8.30E-07	6.68E-03	2.11E-06	8.95E-07	1.05E-02	3.32E-06	1.41E-06
2725 490460.04, 3859210.04	6.12E-03	1.93E-06	8.20E-07	6.61E-03	2.08E-06	8.85E-07	1.04E-02	3.29E-06	1.40E-06
2726 490510.04, 3859210.04	6.02E-03	1.90E-06	8.06E-07	6.49E-03	2.05E-06	8.69E-07	1.02E-02	3.23E-06	1.37E-06
2727 490560.04, 3859210.04	5.95E-03	1.88E-06	7.97E-07	6.42E-03	2.03E-06	8.60E-07	1.01E-02	3.20E-06	1.36E-06
2728 490610.04, 3859210.04	5.87E-03	1.85E-06	7.86E-07	6.33E-03	2.00E-06	8.48E-07	1.00E-02	3.16E-06	1.34E-06
2729 490660.04, 3859210.04	5.74E-03	1.81E-06	7.69E-07	6.19E-03	1.96E-06	8.30E-07	9.81E-03	3.10E-06	1.31E-06
2730 490710.04, 3859210.04	5.65E-03	1.78E-06	7.57E-07	6.10E-03	1.93E-06	8.17E-07	9.67E-03	3.05E-06	1.30E-06
2731 490760.04, 3859210.04	5.52E-03	1.74E-06	7.39E-07	5.96E-03	1.88E-06	7.98E-07	9.45E-03	2.98E-06	1.27E-06
2732 490810.04, 3859210.04	5.48E-03	1.73E-06	7.34E-07	5.92E-03	1.87E-06	7.93E-07	9.39E-03	2.96E-06	1.26E-06
2733 490860.04, 3859210.04	5.44E-03	1.72E-06	7.29E-07	5.87E-03	1.85E-06	7.86E-07	9.32E-03	2.94E-06	1.25E-06
2734 490360.04, 3859260.04	5.98E-03	1.89E-06	8.01E-07	6.45E-03	2.03E-06	8.63E-07	1.01E-02	3.20E-06	1.36E-06
2735 490410.04, 3859260.04	5.94E-03	1.87E-06	7.95E-07	6.40E-03	2.02E-06	8.58E-07	1.01E-02	3.18E-06	1.35E-06
2736 490460.04, 3859260.04	5.90E-03	1.86E-06	7.90E-07	6.36E-03	2.01E-06	8.52E-07	1.00E-02	3.17E-06	1.34E-06
2737 490510.04, 3859260.04	5.86E-03	1.85E-06	7.85E-07	6.32E-03	1.99E-06	8.46E-07	9.97E-03	3.15E-06	1.34E-06
2738 490560.04, 3859260.04	5.77E-03	1.82E-06	7.72E-07	6.22E-03	1.96E-06	8.33E-07	9.82E-03	3.10E-06	1.31E-06
2739 490610.04, 3859260.04	5.67E-03	1.79E-06	7.60E-07	6.12E-03	1.93E-06	8.19E-07	9.67E-03	3.05E-06	1.30E-06
2740 490660.04, 3859260.04	5.63E-03	1.78E-06	7.55E-07	6.08E-03	1.92E-06	8.14E-07	9.61E-03	3.03E-06	1.29E-06
2741 490710.04, 3859260.04	5.57E-03	1.76E-06	7.46E-07	6.01E-03	1.90E-06	8.05E-07	9.51E-03	3.00E-06	1.27E-06

2742	490760.04, 3859260.04	5.45E-03	1.72E-06	7.30E-07	5.89E-03	1.86E-06	7.88E-07	9.33E-03	2.94E-06	1.25E-06
2743	490810.04, 3859260.04	5.41E-03	1.71E-06	7.24E-07	5.83E-03	1.84E-06	7.81E-07	9.25E-03	2.92E-06	1.24E-06
2744	490860.04, 3859260.04	5.36E-03	1.69E-06	7.17E-07	5.78E-03	1.82E-06	7.74E-07	9.17E-03	2.89E-06	1.23E-06
2745	490360.04, 3859310.04	5.74E-03	1.81E-06	7.68E-07	6.18E-03	1.95E-06	8.28E-07	9.73E-03	3.07E-06	1.30E-06
2746	490410.04, 3859310.04	5.71E-03	1.80E-06	7.64E-07	6.15E-03	1.94E-06	8.24E-07	9.69E-03	3.06E-06	1.30E-06
2747	490460.04, 3859310.04	5.68E-03	1.79E-06	7.60E-07	6.12E-03	1.93E-06	8.20E-07	9.65E-03	3.05E-06	1.29E-06
2748	490510.04, 3859310.04	5.64E-03	1.78E-06	7.56E-07	6.09E-03	1.92E-06	8.15E-07	9.60E-03	3.03E-06	1.29E-06
2749	490560.04, 3859310.04	5.61E-03	1.77E-06	7.51E-07	6.05E-03	1.91E-06	8.10E-07	9.55E-03	3.02E-06	1.28E-06
2750	490610.04, 3859310.04	5.58E-03	1.76E-06	7.47E-07	6.02E-03	1.90E-06	8.05E-07	9.50E-03	3.00E-06	1.27E-06
2751	490660.04, 3859310.04	5.50E-03	1.74E-06	7.37E-07	5.93E-03	1.87E-06	7.95E-07	9.37E-03	2.96E-06	1.25E-06
2752	490710.04, 3859310.04	5.41E-03	1.71E-06	7.25E-07	5.84E-03	1.84E-06	7.82E-07	9.24E-03	2.92E-06	1.24E-06
2753	490760.04, 3859310.04	5.35E-03	1.69E-06	7.16E-07	5.77E-03	1.82E-06	7.73E-07	9.14E-03	2.88E-06	1.22E-06
2754	490810.04, 3859310.04	5.30E-03	1.67E-06	7.10E-07	5.72E-03	1.81E-06	7.67E-07	9.07E-03	2.86E-06	1.21E-06
2755	490860.04, 3859310.04	5.24E-03	1.65E-06	7.02E-07	5.66E-03	1.78E-06	7.57E-07	8.96E-03	2.83E-06	1.20E-06
2756	490360.04, 3859360.04	5.50E-03	1.74E-06	7.36E-07	5.93E-03	1.87E-06	7.94E-07	9.32E-03	2.94E-06	1.25E-06
2757	490410.04, 3859360.04	5.48E-03	1.73E-06	7.34E-07	5.91E-03	1.87E-06	7.91E-07	9.30E-03	2.94E-06	1.25E-06
2758	490460.04, 3859360.04	5.46E-03	1.72E-06	7.32E-07	5.89E-03	1.86E-06	7.89E-07	9.28E-03	2.93E-06	1.24E-06
2759	490510.04, 3859360.04	5.44E-03	1.72E-06	7.29E-07	5.87E-03	1.85E-06	7.86E-07	9.25E-03	2.92E-06	1.24E-06
2760	490560.04, 3859360.04	5.41E-03	1.71E-06	7.25E-07	5.84E-03	1.84E-06	7.82E-07	9.21E-03	2.91E-06	1.23E-06
2761	490610.04, 3859360.04	5.38E-03	1.70E-06	7.20E-07	5.80E-03	1.83E-06	7.77E-07	9.16E-03	2.89E-06	1.23E-06
2762	490660.04, 3859360.04	5.35E-03	1.69E-06	7.16E-07	5.77E-03	1.82E-06	7.72E-07	9.12E-03	2.88E-06	1.22E-06
2763	490710.04, 3859360.04	5.27E-03	1.66E-06	7.06E-07	5.69E-03	1.79E-06	7.61E-07	8.99E-03	2.84E-06	1.20E-06
2764	490760.04, 3859360.04	5.21E-03	1.64E-06	6.97E-07	5.62E-03	1.77E-06	7.53E-07	8.89E-03	2.81E-06	1.19E-06
2765	490810.04, 3859360.04	5.18E-03	1.64E-06	6.94E-07	5.59E-03	1.76E-06	7.49E-07	8.85E-03	2.79E-06	1.18E-06
2766	490860.04, 3859360.04	5.13E-03	1.62E-06	6.88E-07	5.54E-03	1.75E-06	7.42E-07	8.77E-03	2.77E-06	1.17E-06
2767	490360.04, 3859410.04	5.26E-03	1.66E-06	7.05E-07	5.67E-03	1.79E-06	7.60E-07	8.92E-03	2.81E-06	1.19E-06
2768	490410.04, 3859410.04	5.25E-03	1.66E-06	7.04E-07	5.66E-03	1.79E-06	7.59E-07	8.91E-03	2.81E-06	1.19E-06
2769	490460.04, 3859410.04	5.24E-03	1.66E-06	7.02E-07	5.65E-03	1.78E-06	7.57E-07	8.90E-03	2.81E-06	1.19E-06
2770	490510.04, 3859410.04	5.23E-03	1.65E-06	7.01E-07	5.64E-03	1.78E-06	7.55E-07	8.89E-03	2.81E-06	1.19E-06
2771	490560.04, 3859410.04	5.22E-03	1.65E-06	6.98E-07	5.62E-03	1.78E-06	7.53E-07	8.87E-03	2.80E-06	1.19E-06
2772	490610.04, 3859410.04	5.20E-03	1.64E-06	6.96E-07	5.60E-03	1.77E-06	7.50E-07	8.84E-03	2.79E-06	1.18E-06
2773	490660.04, 3859410.04	5.17E-03	1.63E-06	6.92E-07	5.57E-03	1.76E-06	7.46E-07	8.80E-03	2.78E-06	1.18E-06
2774	490710.04, 3859410.04	5.14E-03	1.62E-06	6.88E-07	5.54E-03	1.75E-06	7.42E-07	8.76E-03	2.77E-06	1.17E-06
2775	490760.04, 3859410.04	5.07E-03	1.60E-06	6.78E-07	5.47E-03	1.73E-06	7.32E-07	8.64E-03	2.73E-06	1.16E-06
2776	490810.04, 3859410.04	5.04E-03	1.59E-06	6.75E-07	5.44E-03	1.72E-06	7.28E-07	8.60E-03	2.71E-06	1.15E-06
2777	490860.04, 3859410.04	5.02E-03	1.58E-06	6.72E-07	5.42E-03	1.71E-06	7.25E-07	8.57E-03	2.70E-06	1.15E-06
2778	490360.04, 3859460.04	5.03E-03	1.59E-06	6.74E-07	5.42E-03	1.71E-06	7.26E-07	8.52E-03	2.69E-06	1.14E-06
2779	490410.04, 3859460.04	5.03E-03	1.59E-06	6.74E-07	5.43E-03	1.71E-06	7.27E-07	8.53E-03	2.69E-06	1.14E-06
2780	490460.04, 3859460.04	5.03E-03	1.59E-06	6.74E-07	5.42E-03	1.71E-06	7.26E-07	8.53E-03	2.69E-06	1.14E-06
2781	490510.04, 3859460.04	5.02E-03	1.59E-06	6.73E-07	5.42E-03	1.71E-06	7.25E-07	8.53E-03	2.69E-06	1.14E-06
2782	490560.04, 3859460.04	5.01E-03	1.58E-06	6.72E-07	5.41E-03	1.71E-06	7.24E-07	8.52E-03	2.69E-06	1.14E-06
2783	490610.04, 3859460.04	5.00E-03	1.58E-06	6.70E-07	5.40E-03	1.70E-06	7.22E-07	8.51E-03	2.69E-06	1.14E-06
2784	490660.04, 3859460.04	4.99E-03	1.57E-06	6.68E-07	5.38E-03	1.70E-06	7.20E-07	8.49E-03	2.68E-06	1.14E-06
2785	490710.04, 3859460.04	4.97E-03	1.57E-06	6.65E-07	5.36E-03	1.69E-06	7.18E-07	8.47E-03	2.67E-06	1.13E-06
2786	490760.04, 3859460.04	4.94E-03	1.56E-06	6.62E-07	5.33E-03	1.68E-06	7.14E-07	8.43E-03	2.66E-06	1.13E-06
2787	490810.04, 3859460.04	4.92E-03	1.55E-06	6.59E-07	5.31E-03	1.67E-06	7.11E-07	8.40E-03	2.65E-06	1.12E-06
2788	490860.04, 3859460.04	4.90E-03	1.55E-06	6.56E-07	5.29E-03	1.67E-06	7.08E-07	8.37E-03	2.64E-06	1.12E-06
2789	490360.04, 3859510.04	4.81E-03	1.52E-06	6.44E-07	5.18E-03	1.64E-06	6.94E-07	8.14E-03	2.57E-06	1.09E-06
2790	490410.04, 3859510.04	4.81E-03	1.52E-06	6.45E-07	5.19E-03	1.64E-06	6.95E-07	8.16E-03	2.57E-06	1.09E-06
2791	490460.04, 3859510.04	4.82E-03	1.52E-06	6.45E-07	5.19E-03	1.64E-06	6.96E-07	8.17E-03	2.58E-06	1.09E-06
2792	490510.04, 3859510.04	4.82E-03	1.52E-06	6.45E-07	5.20E-03	1.64E-06	6.96E-07	8.18E-03	2.58E-06	1.10E-06
2793	490560.04, 3859510.04	4.82E-03	1.52E-06	6.45E-07	5.19E-03	1.64E-06	6.95E-07	8.18E-03	2.58E-06	1.10E-06
2794	490610.04, 3859510.04	4.81E-03	1.52E-06	6.44E-07	5.19E-03	1.64E-06	6.95E-07	8.18E-03	2.58E-06	1.10E-06
2795	490660.04, 3859510.04	4.80E-03	1.52E-06	6.43E-07	5.18E-03	1.64E-06	6.94E-07	8.17E-03	2.58E-06	1.09E-06
2796	490710.04, 3859510.04	4.79E-03	1.51E-06	6.42E-07	5.17E-03	1.63E-06	6.92E-07	8.16E-03	2.58E-06	1.09E-06
2797	490760.04, 3859510.04	4.78E-03	1.51E-06	6.40E-07	5.15E-03	1.63E-06	6.90E-07	8.14E-03	2.57E-06	1.09E-06
2798	490810.04, 3859510.04	4.76E-03	1.50E-06	6.38E-07	5.14E-03	1.62E-06	6.88E-07	8.12E-03	2.56E-06	1.09E-06
2799	490860.04, 3859510.04	4.74E-03	1.50E-06	6.35E-07	5.12E-03	1.62E-06	6.85E-07	8.09E-03	2.55E-06	1.08E-06
2800	490360.04, 3859560.04	4.59E-03	1.45E-06	6.15E-07	4.95E-03	1.56E-06	6.63E-07	7.77E-03	2.45E-06	1.04E-06
2801	490410.04, 3859560.04	4.60E-03	1.45E-06	6.16E-07	4.96E-03	1.57E-06	6.64E-07	7.79E-03	2.46E-06	1.04E-06
2802	490460.04, 3859560.04	4.61E-03	1.46E-06	6.17E-07	4.97E-03	1.57E-06	6.66E-07	7.82E-03	2.47E-06	1.05E-06

2803 490510.04, 3859560.04	4.62E-03	1.46E-06	6.18E-07	4.98E-03	1.57E-06	6.67E-07	7.84E-03	2.47E-06	1.05E-06
2804 490560.04, 3859560.04	4.62E-03	1.46E-06	6.19E-07	4.98E-03	1.57E-06	6.67E-07	7.85E-03	2.48E-06	1.05E-06
2805 490610.04, 3859560.04	4.62E-03	1.46E-06	6.19E-07	4.98E-03	1.57E-06	6.67E-07	7.85E-03	2.48E-06	1.05E-06
2806 490660.04, 3859560.04	4.62E-03	1.46E-06	6.19E-07	4.98E-03	1.57E-06	6.67E-07	7.86E-03	2.48E-06	1.05E-06
2807 490710.04, 3859560.04	4.62E-03	1.46E-06	6.18E-07	4.98E-03	1.57E-06	6.67E-07	7.86E-03	2.48E-06	1.05E-06
2808 490760.04, 3859560.04	4.61E-03	1.45E-06	6.17E-07	4.97E-03	1.57E-06	6.66E-07	7.85E-03	2.48E-06	1.05E-06
2809 490810.04, 3859560.04	4.60E-03	1.45E-06	6.16E-07	4.96E-03	1.57E-06	6.64E-07	7.84E-03	2.47E-06	1.05E-06
2810 490860.04, 3859560.04	4.58E-03	1.45E-06	6.14E-07	4.94E-03	1.56E-06	6.62E-07	7.82E-03	2.47E-06	1.05E-06
2811 490187.25, 3859422.08	5.20E-03	1.64E-06	6.97E-07	5.61E-03	1.77E-06	7.51E-07	8.79E-03	2.77E-06	1.18E-06
2812 490237.25, 3859422.08	5.21E-03	1.64E-06	6.97E-07	5.61E-03	1.77E-06	7.52E-07	8.80E-03	2.78E-06	1.18E-06
2813 490287.25, 3859422.08	5.21E-03	1.64E-06	6.98E-07	5.61E-03	1.77E-06	7.52E-07	8.81E-03	2.78E-06	1.18E-06
2814 490337.25, 3859422.08	5.21E-03	1.64E-06	6.98E-07	5.61E-03	1.77E-06	7.52E-07	8.82E-03	2.78E-06	1.18E-06
2815 490187.25, 3859472.08	4.96E-03	1.56E-06	6.64E-07	5.34E-03	1.69E-06	7.15E-07	8.37E-03	2.64E-06	1.12E-06
2816 490237.25, 3859472.08	4.96E-03	1.57E-06	6.65E-07	5.35E-03	1.69E-06	7.16E-07	8.39E-03	2.65E-06	1.12E-06
2817 490287.25, 3859472.08	4.98E-03	1.57E-06	6.66E-07	5.36E-03	1.69E-06	7.18E-07	8.42E-03	2.66E-06	1.13E-06
2818 490337.25, 3859472.08	4.98E-03	1.57E-06	6.67E-07	5.37E-03	1.69E-06	7.18E-07	8.43E-03	2.66E-06	1.13E-06
2819 490297.07, 3859500.42	4.85E-03	1.53E-06	6.49E-07	5.22E-03	1.65E-06	6.99E-07	8.20E-03	2.59E-06	1.10E-06
2820 490327.07, 3859500.42	4.85E-03	1.53E-06	6.49E-07	5.22E-03	1.65E-06	6.99E-07	8.20E-03	2.59E-06	1.10E-06
2821 490297.07, 3859530.42	4.70E-03	1.48E-06	6.30E-07	5.07E-03	1.60E-06	6.79E-07	7.96E-03	2.51E-06	1.07E-06
2822 490327.07, 3859530.42	4.71E-03	1.49E-06	6.31E-07	5.08E-03	1.60E-06	6.80E-07	7.97E-03	2.52E-06	1.07E-06
2823 490319.73, 3859055.34	7.16E-03	2.26E-06	9.59E-07	7.72E-03	2.44E-06	1.03E-06	1.21E-02	3.82E-06	1.62E-06
2824 490319.73, 3859105.34	6.86E-03	2.17E-06	9.19E-07	7.39E-03	2.33E-06	9.90E-07	1.16E-02	3.66E-06	1.55E-06
2825 490069.73, 3859155.34	6.77E-03	2.14E-06	9.07E-07	7.29E-03	2.30E-06	9.76E-07	1.14E-02	3.59E-06	1.52E-06
2826 490119.73, 3859155.34	6.73E-03	2.13E-06	9.02E-07	7.25E-03	2.29E-06	9.71E-07	1.13E-02	3.58E-06	1.52E-06
2827 490269.73, 3859155.34	6.62E-03	2.09E-06	8.86E-07	7.13E-03	2.25E-06	9.55E-07	1.12E-02	3.53E-06	1.50E-06
2828 490319.73, 3859155.34	6.57E-03	2.07E-06	8.80E-07	7.09E-03	2.24E-06	9.49E-07	1.11E-02	3.51E-06	1.49E-06
2829 490069.73, 3859205.34	6.44E-03	2.03E-06	8.63E-07	6.94E-03	2.19E-06	9.29E-07	1.08E-02	3.42E-06	1.45E-06
2830 490119.73, 3859205.34	6.41E-03	2.02E-06	8.59E-07	6.91E-03	2.18E-06	9.25E-07	1.08E-02	3.41E-06	1.45E-06
2831 490169.73, 3859205.34	6.39E-03	2.02E-06	8.55E-07	6.88E-03	2.17E-06	9.21E-07	1.08E-02	3.40E-06	1.44E-06
2832 490219.73, 3859205.34	6.36E-03	2.01E-06	8.52E-07	6.85E-03	2.16E-06	9.18E-07	1.07E-02	3.39E-06	1.44E-06
2833 490269.73, 3859205.34	6.33E-03	2.00E-06	8.48E-07	6.82E-03	2.15E-06	9.14E-07	1.07E-02	3.38E-06	1.43E-06
2834 490319.73, 3859205.34	6.30E-03	1.99E-06	8.43E-07	6.79E-03	2.14E-06	9.09E-07	1.07E-02	3.36E-06	1.43E-06
2835 490069.73, 3859255.34	6.14E-03	1.94E-06	8.22E-07	6.61E-03	2.09E-06	8.85E-07	1.03E-02	3.26E-06	1.38E-06
2836 490119.73, 3859255.34	6.11E-03	1.93E-06	8.19E-07	6.59E-03	2.08E-06	8.82E-07	1.03E-02	3.25E-06	1.38E-06
2837 490169.73, 3859255.34	6.09E-03	1.92E-06	8.16E-07	6.57E-03	2.07E-06	8.79E-07	1.03E-02	3.24E-06	1.38E-06
2838 490219.73, 3859255.34	6.08E-03	1.92E-06	8.14E-07	6.55E-03	2.07E-06	8.77E-07	1.03E-02	3.24E-06	1.37E-06
2839 490269.73, 3859255.34	6.06E-03	1.91E-06	8.11E-07	6.53E-03	2.06E-06	8.74E-07	1.02E-02	3.23E-06	1.37E-06
2840 490319.73, 3859255.34	6.03E-03	1.90E-06	8.08E-07	6.50E-03	2.05E-06	8.71E-07	1.02E-02	3.22E-06	1.37E-06
2841 490069.73, 3859305.34	5.84E-03	1.84E-06	7.82E-07	6.29E-03	1.99E-06	8.43E-07	9.84E-03	3.11E-06	1.32E-06
2842 490119.73, 3859305.34	5.83E-03	1.84E-06	7.80E-07	6.28E-03	1.98E-06	8.41E-07	9.82E-03	3.10E-06	1.32E-06
2843 490169.73, 3859305.34	5.82E-03	1.84E-06	7.79E-07	6.27E-03	1.98E-06	8.39E-07	9.81E-03	3.10E-06	1.31E-06
2844 490219.73, 3859305.34	5.81E-03	1.83E-06	7.77E-07	6.26E-03	1.97E-06	8.38E-07	9.81E-03	3.10E-06	1.31E-06
2845 490269.73, 3859305.34	5.79E-03	1.83E-06	7.76E-07	6.24E-03	1.97E-06	8.36E-07	9.80E-03	3.09E-06	1.31E-06
2846 490319.73, 3859305.34	5.78E-03	1.82E-06	7.74E-07	6.23E-03	1.97E-06	8.34E-07	9.78E-03	3.09E-06	1.31E-06
2847 490069.73, 3859355.34	5.56E-03	1.75E-06	7.44E-07	5.99E-03	1.89E-06	8.02E-07	9.36E-03	2.95E-06	1.25E-06
2848 490119.73, 3859355.34	5.55E-03	1.75E-06	7.43E-07	5.98E-03	1.89E-06	8.01E-07	9.36E-03	2.95E-06	1.25E-06
2849 490169.73, 3859355.34	5.55E-03	1.75E-06	7.43E-07	5.97E-03	1.89E-06	8.00E-07	9.36E-03	2.95E-06	1.25E-06
2850 490219.73, 3859355.34	5.54E-03	1.75E-06	7.42E-07	5.97E-03	1.89E-06	8.00E-07	9.37E-03	2.96E-06	1.25E-06
2851 490269.73, 3859355.34	5.54E-03	1.75E-06	7.41E-07	5.97E-03	1.88E-06	7.99E-07	9.36E-03	2.96E-06	1.25E-06
2852 490319.73, 3859355.34	5.53E-03	1.75E-06	7.40E-07	5.96E-03	1.88E-06	7.98E-07	9.36E-03	2.96E-06	1.25E-06
2853 490069.73, 3859405.34	5.28E-03	1.67E-06	7.07E-07	5.69E-03	1.79E-06	7.62E-07	8.90E-03	2.81E-06	1.19E-06
2854 490119.73, 3859405.34	5.28E-03	1.67E-06	7.07E-07	5.69E-03	1.80E-06	7.62E-07	8.91E-03	2.81E-06	1.19E-06
2855 490169.73, 3859405.34	5.29E-03	1.67E-06	7.08E-07	5.70E-03	1.80E-06	7.63E-07	8.92E-03	2.82E-06	1.19E-06
2856 490219.73, 3859405.34	5.29E-03	1.67E-06	7.08E-07	5.70E-03	1.80E-06	7.63E-07	8.94E-03	2.82E-06	1.20E-06
2857 490269.73, 3859405.34	5.29E-03	1.67E-06	7.09E-07	5.70E-03	1.80E-06	7.64E-07	8.95E-03	2.82E-06	1.20E-06
2858 490319.73, 3859405.34	5.29E-03	1.67E-06	7.08E-07	5.70E-03	1.80E-06	7.63E-07	8.96E-03	2.83E-06	1.20E-06
2859 490161.89, 3859541.83	4.61E-03	1.46E-06	6.18E-07	4.97E-03	1.57E-06	6.66E-07	7.79E-03	2.46E-06	1.04E-06
2860 490171.89, 3859541.83	4.62E-03	1.46E-06	6.18E-07	4.98E-03	1.57E-06	6.66E-07	7.80E-03	2.46E-06	1.04E-06
2861 490161.89, 3859551.83	4.57E-03	1.44E-06	6.12E-07	4.92E-03	1.55E-06	6.59E-07	7.72E-03	2.44E-06	1.03E-06
2862 490171.89, 3859551.83	4.57E-03	1.44E-06	6.12E-07	4.93E-03	1.55E-06	6.60E-07	7.72E-03	2.44E-06	1.03E-06
2863 489799.72, 3859348.21	5.58E-03	1.76E-06	7.47E-07	6.00E-03	1.89E-06	8.04E-07	9.36E-03	2.95E-06	1.25E-06

2864	489819.72, 3859348.21	5.58E-03	1.76E-06	7.47E-07	6.01E-03	1.90E-06	8.05E-07	9.36E-03	2.96E-06	1.25E-06
2865	489799.72, 3859368.21	5.45E-03	1.72E-06	7.30E-07	5.87E-03	1.85E-06	7.86E-07	9.15E-03	2.89E-06	1.22E-06
2866	489819.72, 3859368.21	5.46E-03	1.72E-06	7.31E-07	5.87E-03	1.85E-06	7.87E-07	9.16E-03	2.89E-06	1.23E-06
2867	489775.41, 3859329.72	5.69E-03	1.80E-06	7.62E-07	6.12E-03	1.93E-06	8.20E-07	9.53E-03	3.01E-06	1.28E-06
2868	489795.41, 3859329.72	5.69E-03	1.80E-06	7.62E-07	6.13E-03	1.93E-06	8.21E-07	9.54E-03	3.01E-06	1.28E-06
2869	489775.41, 3859349.72	5.56E-03	1.75E-06	7.44E-07	5.98E-03	1.89E-06	8.01E-07	9.32E-03	2.94E-06	1.25E-06
2870	489795.41, 3859349.72	5.57E-03	1.76E-06	7.45E-07	5.99E-03	1.89E-06	8.02E-07	9.34E-03	2.95E-06	1.25E-06
2871	489595.05, 3859219.43	6.47E-03	2.04E-06	8.66E-07	6.96E-03	2.20E-06	9.32E-07	1.08E-02	3.40E-06	1.44E-06
2872	489615.05, 3859219.43	6.47E-03	2.04E-06	8.67E-07	6.96E-03	2.20E-06	9.32E-07	1.08E-02	3.40E-06	1.44E-06
2873	489595.05, 3859239.43	6.30E-03	1.99E-06	8.44E-07	6.78E-03	2.14E-06	9.08E-07	1.05E-02	3.31E-06	1.41E-06
2874	489615.05, 3859239.43	6.31E-03	1.99E-06	8.45E-07	6.79E-03	2.14E-06	9.09E-07	1.05E-02	3.32E-06	1.41E-06
2875	489372.4, 3859092.58	7.75E-03	2.45E-06	1.04E-06	8.32E-03	2.63E-06	1.11E-06	1.27E-02	4.00E-06	1.70E-06
2876	489422.4, 3859092.58	7.73E-03	2.44E-06	1.04E-06	8.30E-03	2.62E-06	1.11E-06	1.27E-02	4.00E-06	1.70E-06
2877	489372.4, 3859142.58	7.17E-03	2.26E-06	9.60E-07	7.70E-03	2.43E-06	1.03E-06	1.18E-02	3.72E-06	1.58E-06
2878	489422.4, 3859142.58	7.18E-03	2.26E-06	9.61E-07	7.71E-03	2.43E-06	1.03E-06	1.18E-02	3.73E-06	1.58E-06
2879	488870.84, 3858666.64	1.76E-02	5.56E-06	2.36E-06	1.88E-02	5.93E-06	2.52E-06	2.73E-02	8.62E-06	3.66E-06
2880	488900.84, 3858666.64	1.73E-02	5.45E-06	2.31E-06	1.84E-02	5.82E-06	2.47E-06	2.69E-02	8.49E-06	3.60E-06
2881	488870.84, 3858696.64	1.75E-02	5.52E-06	2.34E-06	1.86E-02	5.88E-06	2.49E-06	2.66E-02	8.39E-06	3.56E-06
2882	488900.84, 3858696.64	1.71E-02	5.40E-06	2.29E-06	1.82E-02	5.75E-06	2.44E-06	2.62E-02	8.26E-06	3.50E-06
2883	488889.67, 3858683.97	1.73E-02	5.46E-06	2.32E-06	1.84E-02	5.82E-06	2.47E-06	2.66E-02	8.40E-06	3.56E-06
2884	488919.67, 3858683.97	1.69E-02	5.34E-06	2.27E-06	1.81E-02	5.70E-06	2.42E-06	2.62E-02	8.27E-06	3.51E-06
2885	488889.67, 3858713.97	1.72E-02	5.43E-06	2.31E-06	1.83E-02	5.78E-06	2.45E-06	2.60E-02	8.20E-06	3.48E-06
2886	488919.67, 3858713.97	1.68E-02	5.30E-06	2.25E-06	1.79E-02	5.64E-06	2.40E-06	2.56E-02	8.06E-06	3.42E-06
2887	488906.61, 3858703.33	1.70E-02	5.37E-06	2.28E-06	1.81E-02	5.71E-06	2.42E-06	2.59E-02	8.19E-06	3.47E-06
2888	488936.61, 3858703.33	1.66E-02	5.25E-06	2.23E-06	1.77E-02	5.59E-06	2.37E-06	2.55E-02	8.06E-06	3.42E-06
2889	488906.61, 3858733.33	1.70E-02	5.36E-06	2.27E-06	1.80E-02	5.70E-06	2.42E-06	2.54E-02	8.02E-06	3.40E-06
2890	488936.61, 3858733.33	1.66E-02	5.22E-06	2.22E-06	1.76E-02	5.56E-06	2.36E-06	2.50E-02	7.88E-06	3.34E-06
2891	488637.63, 3858467.85	2.47E-02	7.81E-06	3.31E-06	2.66E-02	8.40E-06	3.57E-06	4.13E-02	1.30E-05	5.54E-06
2892	488662.63, 3858467.85	2.42E-02	7.64E-06	3.24E-06	2.61E-02	8.22E-06	3.49E-06	4.05E-02	1.28E-05	5.42E-06
2893	488637.63, 3858492.85	2.40E-02	7.57E-06	3.21E-06	2.58E-02	8.13E-06	3.45E-06	3.96E-02	1.25E-05	5.31E-06
2894	488662.63, 3858492.85	2.35E-02	7.41E-06	3.15E-06	2.52E-02	7.97E-06	3.38E-06	3.89E-02	1.23E-05	5.20E-06
2895	488687.63, 3858492.85	2.30E-02	7.27E-06	3.08E-06	2.48E-02	7.82E-06	3.32E-06	3.82E-02	1.20E-05	5.11E-06
2896	488637.63, 3858517.85	2.33E-02	7.34E-06	3.12E-06	2.50E-02	7.88E-06	3.34E-06	3.79E-02	1.20E-05	5.08E-06
2897	488662.63, 3858517.85	2.28E-02	7.20E-06	3.05E-06	2.45E-02	7.73E-06	3.28E-06	3.73E-02	1.18E-05	4.99E-06
2898	488687.63, 3858517.85	2.24E-02	7.06E-06	3.00E-06	2.40E-02	7.58E-06	3.22E-06	3.66E-02	1.16E-05	4.90E-06
2899	488194.42, 3857168.98	2.98E-02	9.40E-06	3.99E-06	3.22E-02	1.02E-05	4.31E-06	5.17E-02	1.63E-05	6.92E-06
2900	488244.42, 3857168.98	2.91E-02	9.20E-06	3.90E-06	3.15E-02	9.94E-06	4.22E-06	5.06E-02	1.60E-05	6.77E-06
2901	488294.42, 3857168.98	2.85E-02	8.99E-06	3.82E-06	3.08E-02	9.72E-06	4.12E-06	4.94E-02	1.56E-05	6.62E-06
2902	488244.42, 3857218.98	2.98E-02	9.41E-06	3.99E-06	3.22E-02	1.02E-05	4.32E-06	5.18E-02	1.63E-05	6.94E-06
2903	488294.42, 3857218.98	2.91E-02	9.20E-06	3.90E-06	3.15E-02	9.95E-06	4.22E-06	5.06E-02	1.60E-05	6.78E-06
2904	488294.42, 3857268.98	2.98E-02	9.41E-06	3.99E-06	3.22E-02	1.02E-05	4.32E-06	5.18E-02	1.64E-05	6.94E-06
2905	488139.13, 3857111.68	2.97E-02	9.37E-06	3.98E-06	3.21E-02	1.01E-05	4.30E-06	5.15E-02	1.63E-05	6.90E-06
2906	488189.13, 3857111.68	2.91E-02	9.18E-06	3.89E-06	3.14E-02	9.92E-06	4.21E-06	5.04E-02	1.59E-05	6.75E-06
2907	488189.13, 3857161.68	2.98E-02	9.39E-06	3.99E-06	3.22E-02	1.02E-05	4.31E-06	5.16E-02	1.63E-05	6.92E-06
2908	487951.04, 3856961.26	2.96E-02	9.33E-06	3.96E-06	3.20E-02	1.01E-05	4.28E-06	5.12E-02	1.62E-05	6.85E-06
2909	488001.04, 3856961.26	2.90E-02	9.15E-06	3.88E-06	3.13E-02	9.88E-06	4.19E-06	5.01E-02	1.58E-05	6.71E-06
2910	488051.04, 3856961.26	2.83E-02	8.95E-06	3.80E-06	3.06E-02	9.67E-06	4.10E-06	4.90E-02	1.55E-05	6.57E-06
2911	488101.04, 3856961.26	2.79E-02	8.80E-06	3.73E-06	3.01E-02	9.51E-06	4.03E-06	4.82E-02	1.52E-05	6.46E-06
2912	487951.04, 3857011.26	3.05E-02	9.62E-06	4.08E-06	3.29E-02	1.04E-05	4.41E-06	5.28E-02	1.66E-05	7.06E-06
2913	488001.04, 3857011.26	2.98E-02	9.39E-06	3.98E-06	3.22E-02	1.01E-05	4.31E-06	5.15E-02	1.63E-05	6.90E-06
2914	488051.04, 3857011.26	2.91E-02	9.18E-06	3.90E-06	3.14E-02	9.92E-06	4.21E-06	5.04E-02	1.59E-05	6.74E-06
2915	488101.04, 3857011.26	2.86E-02	9.02E-06	3.83E-06	3.09E-02	9.75E-06	4.14E-06	4.95E-02	1.56E-05	6.62E-06
2916	488001.04, 3857061.26	3.06E-02	9.66E-06	4.10E-06	3.31E-02	1.04E-05	4.43E-06	5.30E-02	1.67E-05	7.10E-06
2917	488051.04, 3857061.26	2.99E-02	9.45E-06	4.01E-06	3.24E-02	1.02E-05	4.33E-06	5.18E-02	1.64E-05	6.94E-06
2918	488101.04, 3857061.26	2.93E-02	9.26E-06	3.93E-06	3.17E-02	1.00E-05	4.24E-06	5.08E-02	1.60E-05	6.80E-06
2919	487638.98, 3856673.79	2.80E-02	8.83E-06	3.75E-06	3.02E-02	9.54E-06	4.05E-06	4.83E-02	1.52E-05	6.47E-06
2920	487688.98, 3856673.79	2.75E-02	8.68E-06	3.68E-06	2.97E-02	9.38E-06	3.98E-06	4.75E-02	1.50E-05	6.36E-06
2921	487638.98, 3856723.79	2.89E-02	9.14E-06	3.88E-06	3.13E-02	9.87E-06	4.19E-06	5.00E-02	1.58E-05	6.70E-06
2922	487688.98, 3856723.79	2.84E-02	8.96E-06	3.80E-06	3.07E-02	9.68E-06	4.11E-06	4.91E-02	1.55E-05	6.57E-06
2923	486324.61, 3855740.57	2.30E-02	7.25E-06	3.08E-06	2.48E-02	7.83E-06	3.32E-06	3.92E-02	1.24E-05	5.25E-06
2924	486374.61, 3855740.57	2.18E-02	6.88E-06	2.92E-06	2.35E-02	7.42E-06	3.15E-06	3.72E-02	1.17E-05	4.98E-06

2925	486424.61, 3855740.57	2.12E-02	6.68E-06	2.83E-06	2.28E-02	7.20E-06	3.06E-06	3.61E-02	1.14E-05	4.84E-06
2926	486324.61, 3855790.57	2.38E-02	7.51E-06	3.19E-06	2.57E-02	8.11E-06	3.44E-06	4.07E-02	1.28E-05	5.45E-06
2927	486374.61, 3855790.57	2.27E-02	7.15E-06	3.03E-06	2.44E-02	7.72E-06	3.27E-06	3.87E-02	1.22E-05	5.18E-06
2928	486424.61, 3855790.57	2.22E-02	7.00E-06	2.97E-06	2.39E-02	7.56E-06	3.21E-06	3.79E-02	1.20E-05	5.08E-06
2929	486324.61, 3855840.57	2.46E-02	7.77E-06	3.30E-06	2.66E-02	8.38E-06	3.56E-06	4.21E-02	1.33E-05	5.64E-06
2930	486374.61, 3855840.57	2.40E-02	7.58E-06	3.21E-06	2.59E-02	8.18E-06	3.47E-06	4.11E-02	1.30E-05	5.50E-06
2931	486424.61, 3855840.57	2.33E-02	7.34E-06	3.12E-06	2.51E-02	7.93E-06	3.36E-06	3.98E-02	1.26E-05	5.33E-06
2932	486324.61, 3855890.57	2.60E-02	8.22E-06	3.49E-06	2.81E-02	8.87E-06	3.77E-06	4.46E-02	1.41E-05	5.97E-06
2933	486374.61, 3855890.57	2.53E-02	7.98E-06	3.39E-06	2.73E-02	8.62E-06	3.66E-06	4.33E-02	1.37E-05	5.80E-06
2934	486424.61, 3855890.57	2.44E-02	7.71E-06	3.27E-06	2.64E-02	8.33E-06	3.53E-06	4.19E-02	1.32E-05	5.61E-06
2935	488735.69, 3858285.64	2.71E-02	8.57E-06	3.63E-06	2.93E-02	9.26E-06	3.93E-06	4.70E-02	1.48E-05	6.29E-06
2936	488765.69, 3858285.64	2.65E-02	8.35E-06	3.54E-06	2.86E-02	9.03E-06	3.83E-06	4.58E-02	1.44E-05	6.13E-06
2937	488735.69, 3858315.64	2.66E-02	8.40E-06	3.56E-06	2.87E-02	9.07E-06	3.85E-06	4.59E-02	1.45E-05	6.15E-06
2938	488765.69, 3858315.64	2.59E-02	8.19E-06	3.47E-06	2.80E-02	8.85E-06	3.75E-06	4.48E-02	1.41E-05	6.00E-06
2939	478676.63, 3849871.93	6.40E-04	2.02E-07	8.57E-08	6.90E-04	2.18E-07	9.24E-08	1.09E-03	3.45E-07	1.46E-07
2940	479326.63, 3849871.93	6.10E-04	1.92E-07	8.16E-08	6.58E-04	2.08E-07	8.81E-08	1.04E-03	3.29E-07	1.39E-07
2941	479376.63, 3849871.93	5.99E-04	1.89E-07	8.03E-08	6.47E-04	2.04E-07	8.66E-08	1.02E-03	3.23E-07	1.37E-07
2942	479426.63, 3849871.93	5.92E-04	1.87E-07	7.93E-08	6.39E-04	2.02E-07	8.55E-08	1.01E-03	3.19E-07	1.35E-07
2943	478726.63, 3849921.93	6.51E-04	2.05E-07	8.71E-08	7.02E-04	2.22E-07	9.40E-08	1.11E-03	3.51E-07	1.49E-07
2944	478776.63, 3849921.93	6.60E-04	2.08E-07	8.84E-08	7.12E-04	2.25E-07	9.54E-08	1.13E-03	3.56E-07	1.51E-07
2945	478826.63, 3849921.93	6.67E-04	2.11E-07	8.94E-08	7.20E-04	2.27E-07	9.64E-08	1.14E-03	3.60E-07	1.53E-07
2946	478976.63, 3849921.93	6.78E-04	2.14E-07	9.07E-08	7.31E-04	2.31E-07	9.79E-08	1.16E-03	3.66E-07	1.55E-07
2947	479026.63, 3849921.93	6.83E-04	2.15E-07	9.14E-08	7.37E-04	2.32E-07	9.86E-08	1.17E-03	3.68E-07	1.56E-07
2948	479076.63, 3849921.93	6.82E-04	2.15E-07	9.13E-08	7.36E-04	2.32E-07	9.86E-08	1.17E-03	3.68E-07	1.56E-07
2949	479126.63, 3849921.93	6.79E-04	2.14E-07	9.09E-08	7.32E-04	2.31E-07	9.81E-08	1.16E-03	3.66E-07	1.55E-07
2950	479176.63, 3849921.93	6.76E-04	2.13E-07	9.06E-08	7.30E-04	2.30E-07	9.77E-08	1.16E-03	3.65E-07	1.55E-07
2951	479226.63, 3849921.93	6.62E-04	2.09E-07	8.87E-08	7.14E-04	2.26E-07	9.57E-08	1.13E-03	3.57E-07	1.52E-07
2952	479276.63, 3849921.93	6.37E-04	2.01E-07	8.53E-08	6.87E-04	2.17E-07	9.20E-08	1.09E-03	3.44E-07	1.46E-07
2953	479326.63, 3849921.93	6.49E-04	2.05E-07	8.69E-08	7.00E-04	2.21E-07	9.37E-08	1.11E-03	3.50E-07	1.48E-07
2954	479376.63, 3849921.93	6.22E-04	1.96E-07	8.32E-08	6.71E-04	2.12E-07	8.98E-08	1.06E-03	3.35E-07	1.42E-07
2955	479426.63, 3849921.93	6.25E-04	1.97E-07	8.37E-08	6.74E-04	2.13E-07	9.03E-08	1.07E-03	3.37E-07	1.43E-07
2956	478726.63, 3849971.93	6.50E-04	2.05E-07	8.71E-08	7.01E-04	2.21E-07	9.39E-08	1.11E-03	3.50E-07	1.49E-07
2957	478776.63, 3849971.93	6.61E-04	2.09E-07	8.85E-08	7.13E-04	2.25E-07	9.55E-08	1.13E-03	3.56E-07	1.51E-07
2958	478826.63, 3849971.93	6.70E-04	2.12E-07	8.98E-08	7.23E-04	2.28E-07	9.68E-08	1.15E-03	3.61E-07	1.53E-07
2959	478976.63, 3849971.93	6.92E-04	2.19E-07	9.27E-08	7.47E-04	2.36E-07	1.00E-07	1.18E-03	3.74E-07	1.58E-07
2960	479026.63, 3849971.93	6.94E-04	2.19E-07	9.30E-08	7.49E-04	2.36E-07	1.00E-07	1.19E-03	3.74E-07	1.59E-07
2961	479076.63, 3849971.93	6.94E-04	2.19E-07	9.29E-08	7.49E-04	2.36E-07	1.00E-07	1.19E-03	3.74E-07	1.59E-07
2962	479126.63, 3849971.93	6.94E-04	2.19E-07	9.29E-08	7.49E-04	2.36E-07	1.00E-07	1.19E-03	3.74E-07	1.59E-07
2963	479176.63, 3849971.93	6.91E-04	2.18E-07	9.26E-08	7.46E-04	2.35E-07	9.99E-08	1.18E-03	3.73E-07	1.58E-07
2964	479226.63, 3849971.93	6.64E-04	2.10E-07	8.89E-08	7.16E-04	2.26E-07	9.59E-08	1.13E-03	3.58E-07	1.52E-07
2965	479276.63, 3849971.93	6.74E-04	2.13E-07	9.03E-08	7.27E-04	2.30E-07	9.74E-08	1.15E-03	3.64E-07	1.54E-07
2966	479326.63, 3849971.93	6.78E-04	2.14E-07	9.08E-08	7.31E-04	2.31E-07	9.79E-08	1.16E-03	3.66E-07	1.55E-07
2967	479376.63, 3849971.93	6.53E-04	2.06E-07	8.74E-08	7.04E-04	2.22E-07	9.43E-08	1.11E-03	3.52E-07	1.49E-07
2968	479426.63, 3849971.93	6.48E-04	2.05E-07	8.68E-08	7.00E-04	2.21E-07	9.37E-08	1.11E-03	3.49E-07	1.48E-07
2969	478726.63, 3850021.93	6.48E-04	2.05E-07	8.68E-08	6.99E-04	2.21E-07	9.36E-08	1.11E-03	3.49E-07	1.48E-07
2970	478776.63, 3850021.93	6.60E-04	2.08E-07	8.84E-08	7.12E-04	2.25E-07	9.54E-08	1.13E-03	3.56E-07	1.51E-07
2971	478826.63, 3850021.93	6.72E-04	2.12E-07	9.00E-08	7.25E-04	2.29E-07	9.71E-08	1.15E-03	3.62E-07	1.54E-07
2972	478976.63, 3850021.93	6.99E-04	2.21E-07	9.36E-08	7.54E-04	2.38E-07	1.01E-07	1.19E-03	3.77E-07	1.60E-07
2973	478726.63, 3850071.93	6.44E-04	2.03E-07	8.62E-08	6.95E-04	2.19E-07	9.30E-08	1.10E-03	3.47E-07	1.47E-07
2974	478776.63, 3850071.93	6.58E-04	2.08E-07	8.82E-08	7.10E-04	2.24E-07	9.51E-08	1.12E-03	3.55E-07	1.50E-07
2975	478826.63, 3850071.93	6.72E-04	2.12E-07	8.99E-08	7.24E-04	2.29E-07	9.70E-08	1.15E-03	3.62E-07	1.54E-07
2976	478876.63, 3850071.93	6.84E-04	2.16E-07	9.15E-08	7.38E-04	2.33E-07	9.88E-08	1.17E-03	3.68E-07	1.56E-07
2977	478976.63, 3850071.93	7.04E-04	2.22E-07	9.43E-08	7.60E-04	2.40E-07	1.02E-07	1.20E-03	3.80E-07	1.61E-07
2978	478726.63, 3850121.93	6.39E-04	2.02E-07	8.55E-08	6.89E-04	2.17E-07	9.23E-08	1.09E-03	3.43E-07	1.46E-07
2979	478776.63, 3850121.93	6.55E-04	2.07E-07	8.77E-08	7.07E-04	2.23E-07	9.46E-08	1.12E-03	3.53E-07	1.50E-07
2980	478826.63, 3850121.93	6.70E-04	2.11E-07	8.97E-08	7.22E-04	2.28E-07	9.67E-08	1.14E-03	3.61E-07	1.53E-07
2981	478876.63, 3850121.93	6.83E-04	2.15E-07	9.14E-08	7.36E-04	2.32E-07	9.86E-08	1.17E-03	3.68E-07	1.56E-07
2982	478976.63, 3850121.93	7.07E-04	2.23E-07	9.47E-08	7.63E-04	2.41E-07	1.02E-07	1.21E-03	3.81E-07	1.62E-07
2983	479026.63, 3850121.93	7.17E-04	2.26E-07	9.60E-08	7.74E-04	2.44E-07	1.04E-07	1.23E-03	3.87E-07	1.64E-07
2984	479076.63, 3850121.93	7.24E-04	2.28E-07	9.69E-08	7.81E-04	2.46E-07	1.05E-07	1.24E-03	3.90E-07	1.66E-07
2985	479126.63, 3850121.93	7.29E-04	2.30E-07	9.76E-08	7.87E-04	2.48E-07	1.05E-07	1.25E-03	3.93E-07	1.67E-07

2986 478776.63, 3850171.93	6.49E-04	2.05E-07	8.70E-08	7.01E-04	2.21E-07	9.38E-08	1.11E-03	3.49E-07	1.48E-07
2987 478826.63, 3850171.93	6.65E-04	2.10E-07	8.91E-08	7.18E-04	2.27E-07	9.61E-08	1.13E-03	3.58E-07	1.52E-07
2988 478876.63, 3850171.93	6.80E-04	2.15E-07	9.11E-08	7.34E-04	2.32E-07	9.83E-08	1.16E-03	3.66E-07	1.55E-07
2989 478976.63, 3850171.93	7.09E-04	2.24E-07	9.49E-08	7.64E-04	2.41E-07	1.02E-07	1.21E-03	3.82E-07	1.62E-07
2990 479026.63, 3850171.93	7.21E-04	2.27E-07	9.65E-08	7.78E-04	2.45E-07	1.04E-07	1.23E-03	3.89E-07	1.65E-07
2991 479076.63, 3850171.93	7.30E-04	2.30E-07	9.77E-08	7.87E-04	2.48E-07	1.05E-07	1.25E-03	3.93E-07	1.67E-07
2992 479126.63, 3850171.93	7.37E-04	2.33E-07	9.87E-08	7.95E-04	2.51E-07	1.06E-07	1.26E-03	3.97E-07	1.69E-07
2993 479176.63, 3850171.93	7.44E-04	2.35E-07	9.96E-08	8.03E-04	2.53E-07	1.07E-07	1.27E-03	4.01E-07	1.70E-07
2994 479226.63, 3850171.93	7.51E-04	2.37E-07	1.01E-07	8.11E-04	2.56E-07	1.09E-07	1.28E-03	4.05E-07	1.72E-07
2995 479276.63, 3850171.93	7.57E-04	2.39E-07	1.01E-07	8.17E-04	2.58E-07	1.09E-07	1.29E-03	4.08E-07	1.73E-07
2996 479326.63, 3850171.93	7.56E-04	2.39E-07	1.01E-07	8.16E-04	2.58E-07	1.09E-07	1.29E-03	4.08E-07	1.73E-07
2997 479376.63, 3850171.93	7.53E-04	2.38E-07	1.01E-07	8.12E-04	2.56E-07	1.09E-07	1.29E-03	4.06E-07	1.72E-07
2998 478676.63, 3850221.93	6.04E-04	1.91E-07	8.09E-08	6.51E-04	2.06E-07	8.72E-08	1.03E-03	3.24E-07	1.37E-07
2999 478726.63, 3850221.93	6.24E-04	1.97E-07	8.36E-08	6.73E-04	2.12E-07	9.01E-08	1.06E-03	3.35E-07	1.42E-07
3000 478976.63, 3850221.93	7.08E-04	2.24E-07	9.48E-08	7.64E-04	2.41E-07	1.02E-07	1.21E-03	3.81E-07	1.62E-07
3001 479026.63, 3850221.93	7.22E-04	2.28E-07	9.67E-08	7.79E-04	2.46E-07	1.04E-07	1.23E-03	3.89E-07	1.65E-07
3002 479076.63, 3850221.93	7.33E-04	2.31E-07	9.81E-08	7.91E-04	2.50E-07	1.06E-07	1.25E-03	3.95E-07	1.68E-07
3003 479126.63, 3850221.93	7.43E-04	2.34E-07	9.95E-08	8.01E-04	2.53E-07	1.07E-07	1.27E-03	4.01E-07	1.70E-07
3004 479176.63, 3850221.93	7.52E-04	2.37E-07	1.01E-07	8.12E-04	2.56E-07	1.09E-07	1.29E-03	4.06E-07	1.72E-07
3005 479226.63, 3850221.93	7.60E-04	2.40E-07	1.02E-07	8.20E-04	2.59E-07	1.10E-07	1.30E-03	4.10E-07	1.74E-07
3006 479276.63, 3850221.93	7.67E-04	2.42E-07	1.03E-07	8.27E-04	2.61E-07	1.11E-07	1.31E-03	4.14E-07	1.75E-07
3007 479326.63, 3850221.93	7.68E-04	2.42E-07	1.03E-07	8.28E-04	2.61E-07	1.11E-07	1.31E-03	4.14E-07	1.76E-07
3008 479376.63, 3850221.93	7.68E-04	2.42E-07	1.03E-07	8.28E-04	2.61E-07	1.11E-07	1.31E-03	4.14E-07	1.76E-07
3009 478676.63, 3850271.93	5.95E-04	1.88E-07	7.97E-08	6.41E-04	2.02E-07	8.59E-08	1.01E-03	3.19E-07	1.35E-07
3010 478726.63, 3850271.93	6.15E-04	1.94E-07	8.24E-08	6.63E-04	2.09E-07	8.88E-08	1.05E-03	3.30E-07	1.40E-07
3011 478976.63, 3850271.93	7.05E-04	2.23E-07	9.44E-08	7.61E-04	2.40E-07	1.02E-07	1.20E-03	3.79E-07	1.61E-07
3012 479026.63, 3850271.93	7.21E-04	2.28E-07	9.66E-08	7.78E-04	2.46E-07	1.04E-07	1.23E-03	3.88E-07	1.65E-07
3013 479076.63, 3850271.93	7.35E-04	2.32E-07	9.84E-08	7.93E-04	2.50E-07	1.06E-07	1.25E-03	3.96E-07	1.68E-07
3014 479126.63, 3850271.93	7.47E-04	2.36E-07	1.00E-07	8.06E-04	2.54E-07	1.08E-07	1.27E-03	4.02E-07	1.71E-07
3015 479176.63, 3850271.93	7.58E-04	2.39E-07	1.01E-07	8.17E-04	2.58E-07	1.09E-07	1.29E-03	4.08E-07	1.73E-07
3016 479226.63, 3850271.93	7.67E-04	2.42E-07	1.03E-07	8.28E-04	2.61E-07	1.11E-07	1.31E-03	4.14E-07	1.76E-07
3017 479276.63, 3850271.93	7.74E-04	2.44E-07	1.04E-07	8.35E-04	2.64E-07	1.12E-07	1.32E-03	4.17E-07	1.77E-07
3018 479326.63, 3850271.93	7.77E-04	2.45E-07	1.04E-07	8.39E-04	2.65E-07	1.12E-07	1.33E-03	4.19E-07	1.78E-07
3019 479376.63, 3850271.93	7.78E-04	2.45E-07	1.04E-07	8.39E-04	2.65E-07	1.12E-07	1.33E-03	4.19E-07	1.78E-07
3020 479053.24, 3850293.52	7.28E-04	2.30E-07	9.75E-08	7.86E-04	2.48E-07	1.05E-07	1.24E-03	3.92E-07	1.66E-07
3021 479103.24, 3850293.52	7.42E-04	2.34E-07	9.94E-08	8.00E-04	2.53E-07	1.07E-07	1.27E-03	4.00E-07	1.70E-07
3022 479153.24, 3850293.52	7.54E-04	2.38E-07	1.01E-07	8.13E-04	2.57E-07	1.09E-07	1.29E-03	4.06E-07	1.72E-07
3023 479203.24, 3850293.52	7.65E-04	2.41E-07	1.02E-07	8.25E-04	2.61E-07	1.11E-07	1.31E-03	4.12E-07	1.75E-07
3024 479253.24, 3850293.52	7.74E-04	2.44E-07	1.04E-07	8.35E-04	2.63E-07	1.12E-07	1.32E-03	4.17E-07	1.77E-07
3025 479303.24, 3850293.52	7.79E-04	2.46E-07	1.04E-07	8.41E-04	2.65E-07	1.13E-07	1.33E-03	4.20E-07	1.78E-07
3026 479353.24, 3850293.52	7.82E-04	2.47E-07	1.05E-07	8.44E-04	2.66E-07	1.13E-07	1.34E-03	4.22E-07	1.79E-07
3027 479153.24, 3850343.52	7.55E-04	2.38E-07	1.01E-07	8.15E-04	2.57E-07	1.09E-07	1.29E-03	4.07E-07	1.73E-07
3028 479203.24, 3850343.52	7.68E-04	2.42E-07	1.03E-07	8.29E-04	2.62E-07	1.11E-07	1.31E-03	4.14E-07	1.76E-07
3029 479253.24, 3850343.52	7.78E-04	2.45E-07	1.04E-07	8.39E-04	2.65E-07	1.12E-07	1.33E-03	4.19E-07	1.78E-07
3030 479303.24, 3850343.52	7.85E-04	2.48E-07	1.05E-07	8.47E-04	2.67E-07	1.13E-07	1.34E-03	4.23E-07	1.80E-07
3031 479353.24, 3850343.52	7.90E-04	2.49E-07	1.06E-07	8.52E-04	2.69E-07	1.14E-07	1.35E-03	4.26E-07	1.81E-07
3032 479203.24, 3850393.52	7.68E-04	2.42E-07	1.03E-07	8.29E-04	2.62E-07	1.11E-07	1.31E-03	4.14E-07	1.76E-07
3033 479253.24, 3850393.52	7.80E-04	2.46E-07	1.04E-07	8.41E-04	2.66E-07	1.13E-07	1.33E-03	4.20E-07	1.78E-07
3034 479303.24, 3850393.52	7.89E-04	2.49E-07	1.06E-07	8.51E-04	2.69E-07	1.14E-07	1.35E-03	4.25E-07	1.80E-07
3035 479353.24, 3850393.52	7.96E-04	2.51E-07	1.07E-07	8.59E-04	2.71E-07	1.15E-07	1.36E-03	4.29E-07	1.82E-07
3036 479403.24, 3850393.52	8.01E-04	2.53E-07	1.07E-07	8.65E-04	2.73E-07	1.16E-07	1.37E-03	4.32E-07	1.83E-07
3037 479453.24, 3850393.52	8.03E-04	2.53E-07	1.08E-07	8.67E-04	2.73E-07	1.16E-07	1.37E-03	4.33E-07	1.84E-07
3038 479503.24, 3850393.52	8.01E-04	2.53E-07	1.07E-07	8.65E-04	2.73E-07	1.16E-07	1.37E-03	4.32E-07	1.83E-07
3039 479303.24, 3850443.52	7.91E-04	2.50E-07	1.06E-07	8.53E-04	2.69E-07	1.14E-07	1.35E-03	4.26E-07	1.81E-07
3040 479353.24, 3850443.52	8.00E-04	2.52E-07	1.07E-07	8.63E-04	2.72E-07	1.16E-07	1.37E-03	4.31E-07	1.83E-07
3041 479403.24, 3850443.52	8.06E-04	2.54E-07	1.08E-07	8.70E-04	2.75E-07	1.16E-07	1.38E-03	4.35E-07	1.84E-07
3042 479453.24, 3850443.52	8.10E-04	2.56E-07	1.08E-07	8.74E-04	2.76E-07	1.17E-07	1.38E-03	4.37E-07	1.85E-07
3043 479503.24, 3850443.52	8.11E-04	2.56E-07	1.09E-07	8.75E-04	2.76E-07	1.17E-07	1.39E-03	4.37E-07	1.85E-07
3044 480327.18, 3850987.04	9.69E-04	3.06E-07	1.30E-07	1.05E-03	3.30E-07	1.40E-07	1.65E-03	5.20E-07	2.21E-07
3045 480377.18, 3850987.04	9.62E-04	3.04E-07	1.29E-07	1.04E-03	3.27E-07	1.39E-07	1.64E-03	5.16E-07	2.19E-07
3046 480427.18, 3850987.04	9.52E-04	3.01E-07	1.28E-07	1.03E-03	3.24E-07	1.37E-07	1.62E-03	5.11E-07	2.17E-07

3047	480477.18, 3850987.04	9.41E-04	2.97E-07	1.26E-07	1.01E-03	3.20E-07	1.36E-07	1.60E-03	5.05E-07	2.14E-07
3048	480327.18, 3851037.04	9.91E-04	3.13E-07	1.33E-07	1.07E-03	3.37E-07	1.43E-07	1.69E-03	5.32E-07	2.26E-07
3049	480377.18, 3851037.04	9.85E-04	3.11E-07	1.32E-07	1.06E-03	3.35E-07	1.42E-07	1.68E-03	5.29E-07	2.24E-07
3050	480427.18, 3851037.04	9.77E-04	3.08E-07	1.31E-07	1.05E-03	3.32E-07	1.41E-07	1.66E-03	5.24E-07	2.22E-07
3051	480477.18, 3851037.04	9.68E-04	3.05E-07	1.30E-07	1.04E-03	3.29E-07	1.40E-07	1.64E-03	5.19E-07	2.20E-07
3052	480622.06, 3851087.39	9.68E-04	3.05E-07	1.30E-07	1.04E-03	3.29E-07	1.40E-07	1.64E-03	5.18E-07	2.20E-07
3053	480672.06, 3851087.39	9.58E-04	3.02E-07	1.28E-07	1.03E-03	3.26E-07	1.38E-07	1.63E-03	5.13E-07	2.18E-07
3054	480622.06, 3851137.39	9.96E-04	3.14E-07	1.33E-07	1.07E-03	3.39E-07	1.44E-07	1.69E-03	5.33E-07	2.26E-07
3055	480672.06, 3851137.39	9.86E-04	3.11E-07	1.32E-07	1.06E-03	3.36E-07	1.42E-07	1.67E-03	5.28E-07	2.24E-07
3056	480722.06, 3851137.39	9.78E-04	3.09E-07	1.31E-07	1.05E-03	3.33E-07	1.41E-07	1.66E-03	5.23E-07	2.22E-07
3057	480622.06, 3851187.39	1.02E-03	3.23E-07	1.37E-07	1.10E-03	3.48E-07	1.48E-07	1.74E-03	5.48E-07	2.33E-07
3058	480672.06, 3851187.39	1.02E-03	3.20E-07	1.36E-07	1.09E-03	3.45E-07	1.47E-07	1.72E-03	5.44E-07	2.31E-07
3059	480722.06, 3851187.39	1.01E-03	3.18E-07	1.35E-07	1.09E-03	3.43E-07	1.45E-07	1.71E-03	5.39E-07	2.29E-07
3060	471363.09, 3845877.25	1.28E-04	4.05E-08	1.72E-08	1.38E-04	4.37E-08	1.85E-08	2.19E-04	6.92E-08	2.94E-08
3061	471863.09, 3845877.25	1.21E-04	3.80E-08	1.61E-08	1.30E-04	4.11E-08	1.74E-08	2.06E-04	6.51E-08	2.76E-08
3062	472363.09, 3845877.25	1.26E-04	3.97E-08	1.68E-08	1.36E-04	4.28E-08	1.82E-08	2.15E-04	6.77E-08	2.87E-08
3063	472863.09, 3845877.25	1.05E-04	3.32E-08	1.41E-08	1.14E-04	3.59E-08	1.52E-08	1.80E-04	5.68E-08	2.41E-08
3064	473363.09, 3845877.25	1.12E-04	3.52E-08	1.49E-08	1.20E-04	3.80E-08	1.61E-08	1.91E-04	6.01E-08	2.55E-08
3065	473863.09, 3845877.25	1.21E-04	3.83E-08	1.63E-08	1.31E-04	4.13E-08	1.75E-08	2.07E-04	6.54E-08	2.78E-08
3066	474363.09, 3845877.25	1.57E-04	4.95E-08	2.10E-08	1.69E-04	5.34E-08	2.27E-08	2.68E-04	8.45E-08	3.59E-08
3067	474863.09, 3845877.25	1.98E-04	6.25E-08	2.65E-08	2.14E-04	6.75E-08	2.86E-08	3.39E-04	1.07E-07	4.54E-08
3068	475363.09, 3845877.25	2.18E-04	6.88E-08	2.92E-08	2.35E-04	7.43E-08	3.15E-08	3.73E-04	1.18E-07	5.00E-08
3069	475863.09, 3845877.25	2.13E-04	6.72E-08	2.85E-08	2.30E-04	7.25E-08	3.07E-08	3.64E-04	1.15E-07	4.87E-08
3070	476363.09, 3845877.25	1.84E-04	5.79E-08	2.46E-08	1.98E-04	6.25E-08	2.65E-08	3.13E-04	9.88E-08	4.19E-08
3071	476863.09, 3845877.25	1.59E-04	5.02E-08	2.13E-08	1.72E-04	5.42E-08	2.30E-08	2.71E-04	8.56E-08	3.63E-08
3072	477363.09, 3845877.25	1.43E-04	4.50E-08	1.91E-08	1.54E-04	4.86E-08	2.06E-08	2.42E-04	7.65E-08	3.25E-08
3073	477863.09, 3845877.25	1.29E-04	4.07E-08	1.73E-08	1.39E-04	4.39E-08	1.86E-08	2.19E-04	6.92E-08	2.94E-08
3074	478363.09, 3845877.25	1.22E-04	3.84E-08	1.63E-08	1.31E-04	4.14E-08	1.76E-08	2.06E-04	6.51E-08	2.76E-08
3075	478863.09, 3845877.25	1.16E-04	3.68E-08	1.56E-08	1.26E-04	3.96E-08	1.68E-08	1.98E-04	6.24E-08	2.65E-08
3076	479363.09, 3845877.25	1.14E-04	3.60E-08	1.53E-08	1.23E-04	3.88E-08	1.65E-08	1.93E-04	6.09E-08	2.59E-08
3077	479863.09, 3845877.25	1.07E-04	3.37E-08	1.43E-08	1.15E-04	3.63E-08	1.54E-08	1.81E-04	5.71E-08	2.42E-08
3078	480363.09, 3845877.25	9.45E-05	2.98E-08	1.26E-08	1.02E-04	3.21E-08	1.36E-08	1.60E-04	5.07E-08	2.15E-08
3079	480863.09, 3845877.25	8.79E-05	2.77E-08	1.18E-08	9.47E-05	2.99E-08	1.27E-08	1.49E-04	4.71E-08	2.00E-08
3080	481363.09, 3845877.25	8.22E-05	2.59E-08	1.10E-08	8.86E-05	2.80E-08	1.19E-08	1.40E-04	4.40E-08	1.87E-08
3081	481863.09, 3845877.25	7.71E-05	2.43E-08	1.03E-08	8.31E-05	2.62E-08	1.11E-08	1.31E-04	4.14E-08	1.76E-08
3082	482363.09, 3845877.25	7.05E-05	2.23E-08	9.44E-09	7.60E-05	2.40E-08	1.02E-08	1.20E-04	3.78E-08	1.60E-08
3083	482863.09, 3845877.25	6.02E-05	1.90E-08	8.06E-09	6.49E-05	2.05E-08	8.69E-09	1.03E-04	3.24E-08	1.37E-08
3084	483363.09, 3845877.25	5.51E-05	1.74E-08	7.37E-09	5.94E-05	1.88E-08	7.96E-09	9.41E-05	2.97E-08	1.26E-08
3085	483863.09, 3845877.25	6.07E-05	1.92E-08	8.13E-09	6.55E-05	2.07E-08	8.77E-09	1.03E-04	3.26E-08	1.38E-08
3086	484363.09, 3845877.25	5.99E-05	1.89E-08	8.02E-09	6.46E-05	2.04E-08	8.65E-09	1.02E-04	3.22E-08	1.36E-08
3087	484863.09, 3845877.25	5.69E-05	1.80E-08	7.63E-09	6.14E-05	1.94E-08	8.22E-09	9.69E-05	3.06E-08	1.30E-08
3088	485363.09, 3845877.25	5.40E-05	1.70E-08	7.23E-09	5.82E-05	1.84E-08	7.79E-09	9.21E-05	2.91E-08	1.23E-08
3089	485863.09, 3845877.25	5.34E-05	1.68E-08	7.15E-09	5.76E-05	1.82E-08	7.71E-09	9.12E-05	2.88E-08	1.22E-08
3090	486363.09, 3845877.25	5.17E-05	1.63E-08	6.92E-09	5.58E-05	1.76E-08	7.47E-09	8.83E-05	2.79E-08	1.18E-08
3091	486863.09, 3845877.25	4.86E-05	1.53E-08	6.51E-09	5.24E-05	1.65E-08	7.02E-09	8.31E-05	2.62E-08	1.11E-08
3092	487363.09, 3845877.25	4.76E-05	1.50E-08	6.37E-09	5.14E-05	1.62E-08	6.88E-09	8.15E-05	2.57E-08	1.09E-08
3093	487863.09, 3845877.25	4.53E-05	1.43E-08	6.07E-09	4.89E-05	1.54E-08	6.55E-09	7.78E-05	2.45E-08	1.04E-08
3094	488363.09, 3845877.25	4.46E-05	1.41E-08	5.97E-09	4.82E-05	1.52E-08	6.45E-09	7.67E-05	2.42E-08	1.03E-08
3095	488863.09, 3845877.25	4.78E-05	1.51E-08	6.41E-09	5.17E-05	1.63E-08	6.92E-09	8.21E-05	2.59E-08	1.10E-08
3096	489363.09, 3845877.25	4.84E-05	1.53E-08	6.48E-09	5.23E-05	1.65E-08	7.00E-09	8.32E-05	2.63E-08	1.11E-08
3097	489863.09, 3845877.25	4.79E-05	1.51E-08	6.42E-09	5.18E-05	1.63E-08	6.93E-09	8.28E-05	2.61E-08	1.11E-08
3098	490363.09, 3845877.25	4.68E-05	1.48E-08	6.26E-09	5.06E-05	1.60E-08	6.77E-09	8.11E-05	2.56E-08	1.09E-08
3099	490863.09, 3845877.25	4.39E-05	1.39E-08	5.88E-09	4.75E-05	1.50E-08	6.36E-09	7.64E-05	2.41E-08	1.02E-08
3100	491363.09, 3845877.25	4.73E-05	1.49E-08	6.34E-09	5.12E-05	1.61E-08	6.85E-09	8.22E-05	2.59E-08	1.10E-08
3101	491863.09, 3845877.25	5.00E-05	1.58E-08	6.70E-09	5.41E-05	1.71E-08	7.24E-09	8.67E-05	2.74E-08	1.16E-08
3102	492363.09, 3845877.25	4.80E-05	1.52E-08	6.43E-09	5.19E-05	1.64E-08	6.95E-09	8.35E-05	2.64E-08	1.12E-08
3103	492863.09, 3845877.25	5.42E-05	1.71E-08	7.26E-09	5.86E-05	1.85E-08	7.85E-09	9.39E-05	2.96E-08	1.26E-08
3104	493363.09, 3845877.25	5.79E-05	1.83E-08	7.75E-09	6.26E-05	1.97E-08	8.38E-09	1.00E-04	3.17E-08	1.34E-08
3105	493863.09, 3845877.25	6.18E-05	1.95E-08	8.28E-09	6.68E-05	2.11E-08	8.95E-09	1.07E-04	3.38E-08	1.43E-08
3106	494363.09, 3845877.25	6.59E-05	2.08E-08	8.83E-09	7.12E-05	2.25E-08	9.54E-09	1.14E-04	3.60E-08	1.53E-08
3107	494863.09, 3845877.25	6.96E-05	2.20E-08	9.31E-09	7.52E-05	2.37E-08	1.01E-08	1.20E-04	3.80E-08	1.61E-08

3108	495363.09, 3845877.25	7.42E-05	2.34E-08	9.94E-09	8.02E-05	2.53E-08	1.07E-08	1.28E-04	4.05E-08	1.72E-08
3109	495863.09, 3845877.25	8.00E-05	2.52E-08	1.07E-08	8.64E-05	2.73E-08	1.16E-08	1.38E-04	4.37E-08	1.85E-08
3110	496363.09, 3845877.25	8.59E-05	2.71E-08	1.15E-08	9.28E-05	2.93E-08	1.24E-08	1.48E-04	4.68E-08	1.99E-08
3111	496863.09, 3845877.25	9.04E-05	2.85E-08	1.21E-08	9.77E-05	3.08E-08	1.31E-08	1.56E-04	4.93E-08	2.09E-08
3112	497363.09, 3845877.25	9.53E-05	3.01E-08	1.28E-08	1.03E-04	3.25E-08	1.38E-08	1.65E-04	5.20E-08	2.21E-08
3113	497863.09, 3845877.25	1.01E-04	3.18E-08	1.35E-08	1.09E-04	3.44E-08	1.46E-08	1.74E-04	5.50E-08	2.33E-08
3114	498363.09, 3845877.25	1.06E-04	3.34E-08	1.42E-08	1.14E-04	3.61E-08	1.53E-08	1.83E-04	5.77E-08	2.45E-08
3115	471363.09, 3846377.25	2.06E-04	6.51E-08	2.76E-08	2.23E-04	7.02E-08	2.98E-08	3.51E-04	1.11E-07	4.70E-08
3116	471863.09, 3846377.25	1.85E-04	5.85E-08	2.48E-08	2.00E-04	6.31E-08	2.68E-08	3.16E-04	9.97E-08	4.23E-08
3117	472363.09, 3846377.25	1.31E-04	4.13E-08	1.75E-08	1.41E-04	4.46E-08	1.89E-08	2.24E-04	7.07E-08	3.00E-08
3118	472863.09, 3846377.25	1.28E-04	4.04E-08	1.71E-08	1.38E-04	4.36E-08	1.85E-08	2.19E-04	6.90E-08	2.93E-08
3119	473363.09, 3846377.25	1.22E-04	3.86E-08	1.64E-08	1.32E-04	4.16E-08	1.77E-08	2.09E-04	6.59E-08	2.80E-08
3120	473863.09, 3846377.25	1.34E-04	4.22E-08	1.79E-08	1.44E-04	4.55E-08	1.93E-08	2.28E-04	7.20E-08	3.05E-08
3121	474363.09, 3846377.25	1.49E-04	4.71E-08	2.00E-08	1.61E-04	5.08E-08	2.16E-08	2.54E-04	8.03E-08	3.41E-08
3122	474863.09, 3846377.25	1.91E-04	6.03E-08	2.56E-08	2.06E-04	6.51E-08	2.76E-08	3.26E-04	1.03E-07	4.37E-08
3123	475363.09, 3846377.25	2.34E-04	7.38E-08	3.13E-08	2.52E-04	7.97E-08	3.38E-08	4.00E-04	1.26E-07	5.35E-08
3124	475863.09, 3846377.25	2.53E-04	7.98E-08	3.38E-08	2.73E-04	8.61E-08	3.65E-08	4.32E-04	1.36E-07	5.79E-08
3125	476363.09, 3846377.25	2.31E-04	7.29E-08	3.10E-08	2.49E-04	7.87E-08	3.34E-08	3.95E-04	1.25E-07	5.29E-08
3126	476863.09, 3846377.25	1.98E-04	6.25E-08	2.65E-08	2.14E-04	6.74E-08	2.86E-08	3.38E-04	1.07E-07	4.52E-08
3127	477363.09, 3846377.25	1.75E-04	5.53E-08	2.35E-08	1.89E-04	5.96E-08	2.53E-08	2.99E-04	9.42E-08	4.00E-08
3128	477863.09, 3846377.25	1.52E-04	4.79E-08	2.03E-08	1.64E-04	5.17E-08	2.19E-08	2.58E-04	8.14E-08	3.45E-08
3129	478363.09, 3846377.25	1.42E-04	4.47E-08	1.90E-08	1.53E-04	4.82E-08	2.04E-08	2.41E-04	7.59E-08	3.22E-08
3130	478863.09, 3846377.25	1.41E-04	4.44E-08	1.88E-08	1.52E-04	4.79E-08	2.03E-08	2.39E-04	7.55E-08	3.20E-08
3131	479363.09, 3846377.25	1.33E-04	4.21E-08	1.79E-08	1.44E-04	4.54E-08	1.93E-08	2.26E-04	7.15E-08	3.03E-08
3132	479863.09, 3846377.25	1.21E-04	3.82E-08	1.62E-08	1.30E-04	4.11E-08	1.74E-08	2.05E-04	6.46E-08	2.74E-08
3133	480363.09, 3846377.25	1.17E-04	3.68E-08	1.56E-08	1.26E-04	3.97E-08	1.68E-08	1.98E-04	6.25E-08	2.65E-08
3134	480863.09, 3846377.25	1.01E-04	3.19E-08	1.35E-08	1.09E-04	3.44E-08	1.46E-08	1.72E-04	5.42E-08	2.30E-08
3135	481363.09, 3846377.25	9.54E-05	3.01E-08	1.28E-08	1.03E-04	3.24E-08	1.38E-08	1.62E-04	5.10E-08	2.17E-08
3136	481863.09, 3846377.25	8.85E-05	2.79E-08	1.19E-08	9.55E-05	3.01E-08	1.28E-08	1.50E-04	4.75E-08	2.01E-08
3137	482363.09, 3846377.25	7.94E-05	2.51E-08	1.06E-08	8.56E-05	2.70E-08	1.15E-08	1.35E-04	4.26E-08	1.81E-08
3138	482863.09, 3846377.25	6.91E-05	2.18E-08	9.25E-09	7.45E-05	2.35E-08	9.98E-09	1.17E-04	3.71E-08	1.57E-08
3139	483363.09, 3846377.25	7.02E-05	2.22E-08	9.40E-09	7.57E-05	2.39E-08	1.01E-08	1.19E-04	3.77E-08	1.60E-08
3140	483863.09, 3846377.25	6.82E-05	2.15E-08	9.14E-09	7.36E-05	2.32E-08	9.85E-09	1.16E-04	3.66E-08	1.55E-08
3141	484363.09, 3846377.25	6.29E-05	1.98E-08	8.42E-09	6.78E-05	2.14E-08	9.08E-09	1.07E-04	3.38E-08	1.43E-08
3142	484863.09, 3846377.25	6.53E-05	2.06E-08	8.74E-09	7.04E-05	2.22E-08	9.43E-09	1.11E-04	3.50E-08	1.49E-08
3143	485363.09, 3846377.25	6.37E-05	2.01E-08	8.53E-09	6.87E-05	2.17E-08	9.20E-09	1.08E-04	3.42E-08	1.45E-08
3144	485863.09, 3846377.25	5.96E-05	1.88E-08	7.98E-09	6.43E-05	2.03E-08	8.61E-09	1.02E-04	3.21E-08	1.36E-08
3145	486363.09, 3846377.25	5.28E-05	1.67E-08	7.07E-09	5.70E-05	1.80E-08	7.63E-09	9.03E-05	2.85E-08	1.21E-08
3146	486863.09, 3846377.25	5.03E-05	1.59E-08	6.73E-09	5.43E-05	1.71E-08	7.27E-09	8.60E-05	2.71E-08	1.15E-08
3147	487363.09, 3846377.25	5.05E-05	1.60E-08	6.77E-09	5.45E-05	1.72E-08	7.30E-09	8.66E-05	2.73E-08	1.16E-08
3148	487863.09, 3846377.25	5.36E-05	1.69E-08	7.18E-09	5.79E-05	1.83E-08	7.75E-09	9.18E-05	2.90E-08	1.23E-08
3149	488363.09, 3846377.25	5.27E-05	1.66E-08	7.05E-09	5.68E-05	1.79E-08	7.61E-09	9.02E-05	2.85E-08	1.21E-08
3150	488863.09, 3846377.25	5.32E-05	1.68E-08	7.12E-09	5.74E-05	1.81E-08	7.69E-09	9.13E-05	2.88E-08	1.22E-08
3151	489363.09, 3846377.25	5.37E-05	1.70E-08	7.19E-09	5.80E-05	1.83E-08	7.77E-09	9.25E-05	2.92E-08	1.24E-08
3152	489863.09, 3846377.25	5.30E-05	1.67E-08	7.10E-09	5.73E-05	1.81E-08	7.67E-09	9.15E-05	2.89E-08	1.23E-08
3153	490363.09, 3846377.25	4.96E-05	1.57E-08	6.64E-09	5.36E-05	1.69E-08	7.18E-09	8.60E-05	2.71E-08	1.15E-08
3154	490863.09, 3846377.25	4.90E-05	1.55E-08	6.56E-09	5.30E-05	1.67E-08	7.10E-09	8.51E-05	2.69E-08	1.14E-08
3155	491363.09, 3846377.25	5.01E-05	1.58E-08	6.71E-09	5.42E-05	1.71E-08	7.26E-09	8.71E-05	2.75E-08	1.17E-08
3156	491863.09, 3846377.25	5.55E-05	1.75E-08	7.43E-09	6.00E-05	1.89E-08	8.03E-09	9.61E-05	3.03E-08	1.29E-08
3157	492363.09, 3846377.25	5.65E-05	1.78E-08	7.56E-09	6.10E-05	1.93E-08	8.17E-09	9.80E-05	3.09E-08	1.31E-08
3158	492863.09, 3846377.25	5.87E-05	1.85E-08	7.86E-09	6.35E-05	2.00E-08	8.50E-09	1.02E-04	3.21E-08	1.36E-08
3159	493363.09, 3846377.25	6.46E-05	2.04E-08	8.66E-09	6.99E-05	2.20E-08	9.35E-09	1.12E-04	3.53E-08	1.50E-08
3160	493863.09, 3846377.25	6.93E-05	2.19E-08	9.28E-09	7.49E-05	2.36E-08	1.00E-08	1.20E-04	3.78E-08	1.60E-08
3161	494363.09, 3846377.25	7.42E-05	2.34E-08	9.94E-09	8.02E-05	2.53E-08	1.07E-08	1.28E-04	4.05E-08	1.72E-08
3162	494863.09, 3846377.25	7.93E-05	2.50E-08	1.06E-08	8.57E-05	2.70E-08	1.15E-08	1.37E-04	4.32E-08	1.83E-08
3163	495363.09, 3846377.25	8.49E-05	2.68E-08	1.14E-08	9.17E-05	2.90E-08	1.23E-08	1.47E-04	4.63E-08	1.97E-08
3164	495863.09, 3846377.25	9.15E-05	2.89E-08	1.23E-08	9.89E-05	3.12E-08	1.32E-08	1.58E-04	4.99E-08	2.12E-08
3165	496363.09, 3846377.25	9.83E-05	3.10E-08	1.32E-08	1.06E-04	3.35E-08	1.42E-08	1.70E-04	5.36E-08	2.27E-08
3166	496863.09, 3846377.25	1.05E-04	3.31E-08	1.40E-08	1.13E-04	3.58E-08	1.52E-08	1.81E-04	5.72E-08	2.43E-08
3167	497363.09, 3846377.25	1.11E-04	3.51E-08	1.49E-08	1.20E-04	3.80E-08	1.61E-08	1.93E-04	6.08E-08	2.58E-08
3168	497863.09, 3846377.25	1.17E-04	3.69E-08	1.57E-08	1.26E-04	3.99E-08	1.69E-08	2.02E-04	6.38E-08	2.71E-08

3169 498363.09, 3846377.25	1.22E-04	3.85E-08	1.63E-08	1.32E-04	4.16E-08	1.77E-08	2.11E-04	6.65E-08	2.82E-08
3170 471363.09, 3846877.25	2.27E-04	7.15E-08	3.03E-08	2.44E-04	7.71E-08	3.27E-08	3.86E-04	1.22E-07	5.16E-08
3171 471863.09, 3846877.25	2.28E-04	7.20E-08	3.05E-08	2.46E-04	7.76E-08	3.29E-08	3.87E-04	1.22E-07	5.19E-08
3172 472363.09, 3846877.25	2.16E-04	6.81E-08	2.89E-08	2.33E-04	7.35E-08	3.12E-08	3.67E-04	1.16E-07	4.92E-08
3173 472863.09, 3846877.25	1.42E-04	4.47E-08	1.90E-08	1.53E-04	4.82E-08	2.05E-08	2.42E-04	7.64E-08	3.24E-08
3174 473363.09, 3846877.25	1.48E-04	4.69E-08	1.99E-08	1.60E-04	5.06E-08	2.15E-08	2.54E-04	8.00E-08	3.40E-08
3175 473863.09, 3846877.25	1.52E-04	4.80E-08	2.04E-08	1.64E-04	5.18E-08	2.20E-08	2.59E-04	8.19E-08	3.47E-08
3176 474363.09, 3846877.25	1.54E-04	4.87E-08	2.06E-08	1.66E-04	5.25E-08	2.23E-08	2.63E-04	8.29E-08	3.52E-08
3177 474863.09, 3846877.25	1.69E-04	5.35E-08	2.27E-08	1.83E-04	5.77E-08	2.45E-08	2.89E-04	9.11E-08	3.86E-08
3178 475363.09, 3846877.25	2.01E-04	6.36E-08	2.70E-08	2.17E-04	6.86E-08	2.91E-08	3.44E-04	1.08E-07	4.60E-08
3179 475863.09, 3846877.25	2.63E-04	8.31E-08	3.53E-08	2.84E-04	8.96E-08	3.80E-08	4.50E-04	1.42E-07	6.02E-08
3180 476363.09, 3846877.25	2.77E-04	8.76E-08	3.71E-08	2.99E-04	9.45E-08	4.01E-08	4.74E-04	1.50E-07	6.35E-08
3181 476863.09, 3846877.25	2.50E-04	7.90E-08	3.35E-08	2.70E-04	8.52E-08	3.61E-08	4.27E-04	1.35E-07	5.72E-08
3182 477363.09, 3846877.25	2.17E-04	6.84E-08	2.90E-08	2.34E-04	7.38E-08	3.13E-08	3.70E-04	1.17E-07	4.95E-08
3183 477863.09, 3846877.25	1.87E-04	5.91E-08	2.51E-08	2.02E-04	6.37E-08	2.70E-08	3.19E-04	1.01E-07	4.27E-08
3184 478363.09, 3846877.25	1.70E-04	5.36E-08	2.27E-08	1.83E-04	5.78E-08	2.45E-08	2.88E-04	9.09E-08	3.86E-08
3185 478863.09, 3846877.25	1.67E-04	5.28E-08	2.24E-08	1.80E-04	5.69E-08	2.41E-08	2.84E-04	8.95E-08	3.80E-08
3186 479363.09, 3846877.25	1.58E-04	4.99E-08	2.12E-08	1.70E-04	5.38E-08	2.28E-08	2.69E-04	8.48E-08	3.60E-08
3187 479863.09, 3846877.25	1.24E-04	3.91E-08	1.66E-08	1.34E-04	4.22E-08	1.79E-08	2.10E-04	6.63E-08	2.81E-08
3188 480363.09, 3846877.25	1.06E-04	3.35E-08	1.42E-08	1.14E-04	3.61E-08	1.53E-08	1.80E-04	5.69E-08	2.41E-08
3189 480863.09, 3846877.25	9.96E-05	3.15E-08	1.33E-08	1.07E-04	3.39E-08	1.44E-08	1.70E-04	5.35E-08	2.27E-08
3190 481363.09, 3846877.25	1.01E-04	3.18E-08	1.35E-08	1.09E-04	3.43E-08	1.46E-08	1.71E-04	5.40E-08	2.29E-08
3191 481863.09, 3846877.25	9.72E-05	3.07E-08	1.30E-08	1.05E-04	3.31E-08	1.40E-08	1.65E-04	5.21E-08	2.21E-08
3192 482363.09, 3846877.25	8.53E-05	2.69E-08	1.14E-08	9.20E-05	2.90E-08	1.23E-08	1.45E-04	4.58E-08	1.94E-08
3193 482863.09, 3846877.25	8.24E-05	2.60E-08	1.10E-08	8.88E-05	2.80E-08	1.19E-08	1.40E-04	4.41E-08	1.87E-08
3194 483363.09, 3846877.25	7.95E-05	2.51E-08	1.06E-08	8.57E-05	2.71E-08	1.15E-08	1.35E-04	4.26E-08	1.81E-08
3195 483863.09, 3846877.25	7.68E-05	2.43E-08	1.03E-08	8.29E-05	2.62E-08	1.11E-08	1.31E-04	4.12E-08	1.75E-08
3196 484363.09, 3846877.25	7.43E-05	2.35E-08	9.95E-09	8.01E-05	2.53E-08	1.07E-08	1.26E-04	3.98E-08	1.69E-08
3197 484863.09, 3846877.25	7.15E-05	2.26E-08	9.57E-09	7.71E-05	2.43E-08	1.03E-08	1.21E-04	3.83E-08	1.62E-08
3198 485363.09, 3846877.25	7.06E-05	2.23E-08	9.46E-09	7.62E-05	2.40E-08	1.02E-08	1.20E-04	3.79E-08	1.61E-08
3199 485863.09, 3846877.25	6.68E-05	2.11E-08	8.94E-09	7.20E-05	2.27E-08	9.65E-09	1.14E-04	3.60E-08	1.53E-08
3200 486363.09, 3846877.25	6.72E-05	2.12E-08	9.01E-09	7.25E-05	2.29E-08	9.71E-09	1.14E-04	3.61E-08	1.53E-08
3201 486863.09, 3846877.25	6.00E-05	1.89E-08	8.04E-09	6.48E-05	2.04E-08	8.67E-09	1.02E-04	3.23E-08	1.37E-08
3202 487363.09, 3846877.25	5.99E-05	1.89E-08	8.02E-09	6.46E-05	2.04E-08	8.65E-09	1.02E-04	3.23E-08	1.37E-08
3203 487863.09, 3846877.25	5.91E-05	1.87E-08	7.92E-09	6.38E-05	2.01E-08	8.55E-09	1.01E-04	3.19E-08	1.36E-08
3204 488363.09, 3846877.25	5.84E-05	1.84E-08	7.82E-09	6.31E-05	1.99E-08	8.44E-09	1.00E-04	3.16E-08	1.34E-08
3205 488863.09, 3846877.25	5.94E-05	1.87E-08	7.95E-09	6.41E-05	2.02E-08	8.58E-09	1.02E-04	3.22E-08	1.37E-08
3206 489363.09, 3846877.25	6.03E-05	1.90E-08	8.08E-09	6.52E-05	2.06E-08	8.73E-09	1.04E-04	3.28E-08	1.39E-08
3207 489863.09, 3846877.25	5.99E-05	1.89E-08	8.02E-09	6.47E-05	2.04E-08	8.67E-09	1.03E-04	3.26E-08	1.38E-08
3208 490363.09, 3846877.25	5.65E-05	1.78E-08	7.57E-09	6.11E-05	1.93E-08	8.18E-09	9.77E-05	3.08E-08	1.31E-08
3209 490863.09, 3846877.25	5.72E-05	1.81E-08	7.66E-09	6.18E-05	1.95E-08	8.28E-09	9.90E-05	3.12E-08	1.33E-08
3210 491363.09, 3846877.25	5.87E-05	1.85E-08	7.86E-09	6.35E-05	2.00E-08	8.50E-09	1.02E-04	3.21E-08	1.36E-08
3211 491863.09, 3846877.25	5.90E-05	1.86E-08	7.90E-09	6.38E-05	2.01E-08	8.54E-09	1.02E-04	3.23E-08	1.37E-08
3212 492363.09, 3846877.25	6.59E-05	2.08E-08	8.83E-09	7.12E-05	2.25E-08	9.54E-09	1.14E-04	3.60E-08	1.53E-08
3213 492863.09, 3846877.25	6.93E-05	2.19E-08	9.28E-09	7.49E-05	2.36E-08	1.00E-08	1.20E-04	3.78E-08	1.60E-08
3214 493363.09, 3846877.25	7.46E-05	2.36E-08	9.99E-09	8.06E-05	2.55E-08	1.08E-08	1.29E-04	4.07E-08	1.73E-08
3215 493863.09, 3846877.25	7.95E-05	2.51E-08	1.07E-08	8.60E-05	2.71E-08	1.15E-08	1.38E-04	4.34E-08	1.84E-08
3216 494363.09, 3846877.25	8.45E-05	2.67E-08	1.13E-08	9.13E-05	2.88E-08	1.22E-08	1.46E-04	4.61E-08	1.96E-08
3217 494863.09, 3846877.25	9.02E-05	2.85E-08	1.21E-08	9.75E-05	3.08E-08	1.31E-08	1.56E-04	4.93E-08	2.09E-08
3218 495363.09, 3846877.25	9.63E-05	3.04E-08	1.29E-08	1.04E-04	3.28E-08	1.39E-08	1.67E-04	5.26E-08	2.23E-08
3219 495863.09, 3846877.25	1.02E-04	3.23E-08	1.37E-08	1.11E-04	3.49E-08	1.48E-08	1.77E-04	5.60E-08	2.37E-08
3220 496363.09, 3846877.25	1.09E-04	3.45E-08	1.46E-08	1.18E-04	3.72E-08	1.58E-08	1.89E-04	5.96E-08	2.53E-08
3221 496863.09, 3846877.25	1.18E-04	3.71E-08	1.57E-08	1.27E-04	4.01E-08	1.70E-08	2.03E-04	6.41E-08	2.72E-08
3222 497363.09, 3846877.25	1.28E-04	4.03E-08	1.71E-08	1.38E-04	4.35E-08	1.85E-08	2.21E-04	6.96E-08	2.95E-08
3223 497863.09, 3846877.25	1.37E-04	4.32E-08	1.83E-08	1.48E-04	4.66E-08	1.98E-08	2.36E-04	7.46E-08	3.16E-08
3224 498363.09, 3846877.25	1.42E-04	4.48E-08	1.90E-08	1.53E-04	4.84E-08	2.05E-08	2.45E-04	7.73E-08	3.28E-08
3225 471363.09, 3847377.25	2.46E-04	7.78E-08	3.30E-08	2.66E-04	8.39E-08	3.56E-08	4.21E-04	1.33E-07	5.63E-08
3226 471863.09, 3847377.25	2.49E-04	7.85E-08	3.33E-08	2.68E-04	8.46E-08	3.59E-08	4.24E-04	1.34E-07	5.67E-08
3227 472363.09, 3847377.25	2.50E-04	7.89E-08	3.35E-08	2.70E-04	8.51E-08	3.61E-08	4.25E-04	1.34E-07	5.69E-08
3228 472863.09, 3847377.25	2.39E-04	7.55E-08	3.20E-08	2.58E-04	8.14E-08	3.45E-08	4.07E-04	1.28E-07	5.44E-08
3229 473363.09, 3847377.25	1.89E-04	5.98E-08	2.54E-08	2.04E-04	6.45E-08	2.74E-08	3.23E-04	1.02E-07	4.33E-08

3230	473863.09, 3847377.25	1.82E-04	5.74E-08	2.43E-08	1.96E-04	6.19E-08	2.63E-08	3.10E-04	9.78E-08	4.15E-08
3231	474363.09, 3847377.25	1.81E-04	5.70E-08	2.42E-08	1.95E-04	6.15E-08	2.61E-08	3.08E-04	9.71E-08	4.12E-08
3232	474863.09, 3847377.25	1.73E-04	5.45E-08	2.31E-08	1.86E-04	5.88E-08	2.50E-08	2.94E-04	9.28E-08	3.94E-08
3233	475363.09, 3847377.25	1.80E-04	5.68E-08	2.41E-08	1.94E-04	6.13E-08	2.60E-08	3.07E-04	9.68E-08	4.11E-08
3234	475863.09, 3847377.25	2.42E-04	7.64E-08	3.24E-08	2.61E-04	8.24E-08	3.50E-08	4.13E-04	1.30E-07	5.53E-08
3235	476363.09, 3847377.25	3.23E-04	1.02E-07	4.33E-08	3.49E-04	1.10E-07	4.67E-08	5.53E-04	1.74E-07	7.40E-08
3236	476863.09, 3847377.25	3.10E-04	9.78E-08	4.15E-08	3.34E-04	1.06E-07	4.48E-08	5.30E-04	1.67E-07	7.10E-08
3237	477363.09, 3847377.25	2.81E-04	8.88E-08	3.77E-08	3.04E-04	9.58E-08	4.07E-08	4.80E-04	1.52E-07	6.43E-08
3238	477863.09, 3847377.25	2.38E-04	7.52E-08	3.19E-08	2.57E-04	8.12E-08	3.44E-08	4.07E-04	1.28E-07	5.44E-08
3239	478363.09, 3847377.25	2.11E-04	6.66E-08	2.83E-08	2.28E-04	7.18E-08	3.05E-08	3.59E-04	1.13E-07	4.80E-08
3240	478863.09, 3847377.25	1.99E-04	6.27E-08	2.66E-08	2.14E-04	6.76E-08	2.87E-08	3.37E-04	1.06E-07	4.51E-08
3241	479363.09, 3847377.25	1.62E-04	5.12E-08	2.17E-08	1.75E-04	5.52E-08	2.34E-08	2.75E-04	8.69E-08	3.69E-08
3242	479863.09, 3847377.25	1.20E-04	3.80E-08	1.61E-08	1.30E-04	4.10E-08	1.74E-08	2.05E-04	6.46E-08	2.74E-08
3243	480363.09, 3847377.25	9.16E-05	2.89E-08	1.23E-08	9.88E-05	3.12E-08	1.32E-08	1.56E-04	4.93E-08	2.09E-08
3244	480863.09, 3847377.25	8.39E-05	2.65E-08	1.12E-08	9.06E-05	2.86E-08	1.21E-08	1.43E-04	4.53E-08	1.92E-08
3245	481363.09, 3847377.25	9.05E-05	2.86E-08	1.21E-08	9.76E-05	3.08E-08	1.31E-08	1.54E-04	4.86E-08	2.06E-08
3246	481863.09, 3847377.25	1.06E-04	3.36E-08	1.42E-08	1.15E-04	3.62E-08	1.54E-08	1.80E-04	5.70E-08	2.42E-08
3247	482363.09, 3847377.25	1.02E-04	3.20E-08	1.36E-08	1.09E-04	3.45E-08	1.47E-08	1.72E-04	5.44E-08	2.31E-08
3248	482863.09, 3847377.25	9.51E-05	3.00E-08	1.27E-08	1.02E-04	3.23E-08	1.37E-08	1.61E-04	5.08E-08	2.16E-08
3249	483363.09, 3847377.25	8.97E-05	2.83E-08	1.20E-08	9.67E-05	3.05E-08	1.29E-08	1.52E-04	4.81E-08	2.04E-08
3250	483863.09, 3847377.25	8.63E-05	2.72E-08	1.16E-08	9.30E-05	2.94E-08	1.25E-08	1.47E-04	4.63E-08	1.96E-08
3251	484363.09, 3847377.25	8.69E-05	2.74E-08	1.16E-08	9.36E-05	2.96E-08	1.25E-08	1.47E-04	4.65E-08	1.97E-08
3252	484863.09, 3847377.25	8.24E-05	2.60E-08	1.10E-08	8.88E-05	2.80E-08	1.19E-08	1.40E-04	4.41E-08	1.87E-08
3253	485363.09, 3847377.25	8.01E-05	2.53E-08	1.07E-08	8.63E-05	2.73E-08	1.16E-08	1.36E-04	4.30E-08	1.82E-08
3254	485863.09, 3847377.25	7.88E-05	2.49E-08	1.06E-08	8.50E-05	2.68E-08	1.14E-08	1.34E-04	4.23E-08	1.79E-08
3255	486363.09, 3847377.25	7.73E-05	2.44E-08	1.03E-08	8.33E-05	2.63E-08	1.12E-08	1.31E-04	4.14E-08	1.76E-08
3256	486863.09, 3847377.25	7.05E-05	2.22E-08	9.44E-09	7.60E-05	2.40E-08	1.02E-08	1.20E-04	3.79E-08	1.61E-08
3257	487363.09, 3847377.25	6.99E-05	2.21E-08	9.36E-09	7.54E-05	2.38E-08	1.01E-08	1.19E-04	3.76E-08	1.60E-08
3258	487863.09, 3847377.25	6.65E-05	2.10E-08	8.90E-09	7.17E-05	2.26E-08	9.61E-09	1.14E-04	3.59E-08	1.52E-08
3259	488363.09, 3847377.25	6.60E-05	2.08E-08	8.84E-09	7.13E-05	2.25E-08	9.54E-09	1.13E-04	3.57E-08	1.52E-08
3260	488863.09, 3847377.25	6.70E-05	2.11E-08	8.97E-09	7.23E-05	2.28E-08	9.68E-09	1.15E-04	3.63E-08	1.54E-08
3261	489363.09, 3847377.25	6.83E-05	2.15E-08	9.14E-09	7.37E-05	2.33E-08	9.87E-09	1.17E-04	3.70E-08	1.57E-08
3262	489863.09, 3847377.25	6.74E-05	2.13E-08	9.02E-09	7.28E-05	2.30E-08	9.75E-09	1.16E-04	3.66E-08	1.55E-08
3263	490363.09, 3847377.25	6.66E-05	2.10E-08	8.93E-09	7.20E-05	2.27E-08	9.64E-09	1.15E-04	3.63E-08	1.54E-08
3264	490863.09, 3847377.25	6.82E-05	2.15E-08	9.13E-09	7.37E-05	2.32E-08	9.86E-09	1.18E-04	3.72E-08	1.58E-08
3265	491363.09, 3847377.25	6.93E-05	2.19E-08	9.28E-09	7.49E-05	2.36E-08	1.00E-08	1.20E-04	3.78E-08	1.60E-08
3266	491863.09, 3847377.25	7.48E-05	2.36E-08	1.00E-08	8.08E-05	2.55E-08	1.08E-08	1.29E-04	4.08E-08	1.73E-08
3267	492363.09, 3847377.25	7.67E-05	2.42E-08	1.03E-08	8.29E-05	2.62E-08	1.11E-08	1.33E-04	4.19E-08	1.78E-08
3268	492863.09, 3847377.25	8.23E-05	2.60E-08	1.10E-08	8.90E-05	2.81E-08	1.19E-08	1.42E-04	4.50E-08	1.91E-08
3269	493363.09, 3847377.25	8.73E-05	2.75E-08	1.17E-08	9.43E-05	2.98E-08	1.26E-08	1.51E-04	4.77E-08	2.02E-08
3270	493863.09, 3847377.25	9.05E-05	2.86E-08	1.21E-08	9.78E-05	3.09E-08	1.31E-08	1.57E-04	4.94E-08	2.10E-08
3271	494363.09, 3847377.25	9.42E-05	2.97E-08	1.26E-08	1.02E-04	3.21E-08	1.36E-08	1.63E-04	5.15E-08	2.18E-08
3272	494863.09, 3847377.25	9.99E-05	3.15E-08	1.34E-08	1.08E-04	3.41E-08	1.45E-08	1.73E-04	5.46E-08	2.32E-08
3273	495363.09, 3847377.25	1.05E-04	3.32E-08	1.41E-08	1.14E-04	3.59E-08	1.52E-08	1.82E-04	5.75E-08	2.44E-08
3274	495863.09, 3847377.25	1.12E-04	3.54E-08	1.50E-08	1.21E-04	3.83E-08	1.63E-08	1.94E-04	6.14E-08	2.60E-08
3275	496363.09, 3847377.25	1.19E-04	3.76E-08	1.59E-08	1.29E-04	4.06E-08	1.72E-08	2.06E-04	6.50E-08	2.76E-08
3276	496863.09, 3847377.25	1.30E-04	4.10E-08	1.74E-08	1.40E-04	4.43E-08	1.88E-08	2.25E-04	7.09E-08	3.01E-08
3277	497363.09, 3847377.25	1.43E-04	4.52E-08	1.92E-08	1.55E-04	4.89E-08	2.07E-08	2.48E-04	7.81E-08	3.32E-08
3278	497863.09, 3847377.25	1.59E-04	5.01E-08	2.13E-08	1.72E-04	5.41E-08	2.30E-08	2.74E-04	8.65E-08	3.67E-08
3279	498363.09, 3847377.25	1.67E-04	5.28E-08	2.24E-08	1.81E-04	5.71E-08	2.42E-08	2.89E-04	9.12E-08	3.87E-08
3280	471363.09, 3847877.25	2.68E-04	8.45E-08	3.59E-08	2.89E-04	9.12E-08	3.87E-08	4.58E-04	1.45E-07	6.13E-08
3281	471863.09, 3847877.25	2.73E-04	8.63E-08	3.66E-08	2.95E-04	9.31E-08	3.95E-08	4.67E-04	1.47E-07	6.25E-08
3282	472363.09, 3847877.25	2.75E-04	8.69E-08	3.69E-08	2.97E-04	9.38E-08	3.98E-08	4.70E-04	1.48E-07	6.29E-08
3283	472863.09, 3847877.25	2.76E-04	8.71E-08	3.69E-08	2.98E-04	9.39E-08	3.98E-08	4.70E-04	1.48E-07	6.29E-08
3284	473363.09, 3847877.25	2.77E-04	8.75E-08	3.71E-08	2.99E-04	9.44E-08	4.00E-08	4.71E-04	1.49E-07	6.31E-08
3285	473863.09, 3847877.25	2.60E-04	8.21E-08	3.48E-08	2.80E-04	8.85E-08	3.76E-08	4.42E-04	1.40E-07	5.92E-08
3286	474363.09, 3847877.25	2.13E-04	6.72E-08	2.85E-08	2.30E-04	7.24E-08	3.07E-08	3.63E-04	1.14E-07	4.86E-08
3287	474863.09, 3847877.25	2.12E-04	6.68E-08	2.83E-08	2.28E-04	7.20E-08	3.06E-08	3.60E-04	1.14E-07	4.82E-08
3288	475363.09, 3847877.25	1.93E-04	6.10E-08	2.59E-08	2.09E-04	6.58E-08	2.79E-08	3.29E-04	1.04E-07	4.41E-08
3289	475863.09, 3847877.25	1.98E-04	6.26E-08	2.66E-08	2.14E-04	6.75E-08	2.86E-08	3.38E-04	1.07E-07	4.52E-08
3290	476363.09, 3847877.25	2.99E-04	9.43E-08	4.00E-08	3.22E-04	1.02E-07	4.32E-08	5.09E-04	1.61E-07	6.82E-08

3291	476863.09, 3847877.25	3.64E-04	1.15E-07	4.88E-08	3.93E-04	1.24E-07	5.26E-08	6.22E-04	1.96E-07	8.33E-08
3292	477363.09, 3847877.25	3.61E-04	1.14E-07	4.83E-08	3.89E-04	1.23E-07	5.21E-08	6.16E-04	1.95E-07	8.25E-08
3293	477863.09, 3847877.25	3.15E-04	9.94E-08	4.22E-08	3.40E-04	1.07E-07	4.55E-08	5.37E-04	1.70E-07	7.19E-08
3294	478363.09, 3847877.25	2.69E-04	8.49E-08	3.60E-08	2.90E-04	9.16E-08	3.89E-08	4.59E-04	1.45E-07	6.14E-08
3295	478863.09, 3847877.25	2.33E-04	7.36E-08	3.12E-08	2.51E-04	7.94E-08	3.37E-08	3.96E-04	1.25E-07	5.30E-08
3296	479363.09, 3847877.25	1.63E-04	5.16E-08	2.19E-08	1.76E-04	5.56E-08	2.36E-08	2.78E-04	8.78E-08	3.72E-08
3297	479863.09, 3847877.25	1.05E-04	3.32E-08	1.41E-08	1.14E-04	3.58E-08	1.52E-08	1.80E-04	5.67E-08	2.41E-08
3298	480363.09, 3847877.25	1.07E-04	3.38E-08	1.43E-08	1.16E-04	3.65E-08	1.55E-08	1.82E-04	5.76E-08	2.44E-08
3299	480863.09, 3847877.25	9.71E-05	3.06E-08	1.30E-08	1.05E-04	3.31E-08	1.40E-08	1.66E-04	5.22E-08	2.22E-08
3300	481363.09, 3847877.25	9.84E-05	3.10E-08	1.32E-08	1.06E-04	3.35E-08	1.42E-08	1.68E-04	5.29E-08	2.25E-08
3301	481863.09, 3847877.25	1.23E-04	3.88E-08	1.65E-08	1.33E-04	4.18E-08	1.78E-08	2.09E-04	6.58E-08	2.79E-08
3302	482363.09, 3847877.25	1.16E-04	3.68E-08	1.56E-08	1.26E-04	3.96E-08	1.68E-08	1.98E-04	6.24E-08	2.65E-08
3303	482863.09, 3847877.25	1.07E-04	3.37E-08	1.43E-08	1.15E-04	3.63E-08	1.54E-08	1.81E-04	5.71E-08	2.42E-08
3304	483363.09, 3847877.25	1.01E-04	3.20E-08	1.36E-08	1.09E-04	3.45E-08	1.46E-08	1.72E-04	5.43E-08	2.30E-08
3305	483863.09, 3847877.25	9.90E-05	3.12E-08	1.33E-08	1.07E-04	3.37E-08	1.43E-08	1.68E-04	5.30E-08	2.25E-08
3306	484363.09, 3847877.25	9.85E-05	3.11E-08	1.32E-08	1.06E-04	3.35E-08	1.42E-08	1.67E-04	5.27E-08	2.23E-08
3307	484863.09, 3847877.25	9.52E-05	3.00E-08	1.27E-08	1.03E-04	3.24E-08	1.37E-08	1.62E-04	5.10E-08	2.16E-08
3308	485363.09, 3847877.25	9.38E-05	2.96E-08	1.26E-08	1.01E-04	3.19E-08	1.35E-08	1.59E-04	5.02E-08	2.13E-08
3309	485863.09, 3847877.25	9.24E-05	2.92E-08	1.24E-08	9.96E-05	3.14E-08	1.33E-08	1.57E-04	4.94E-08	2.10E-08
3310	486363.09, 3847877.25	8.63E-05	2.72E-08	1.16E-08	9.30E-05	2.94E-08	1.25E-08	1.47E-04	4.63E-08	1.96E-08
3311	486863.09, 3847877.25	8.15E-05	2.57E-08	1.09E-08	8.79E-05	2.77E-08	1.18E-08	1.39E-04	4.37E-08	1.85E-08
3312	487363.09, 3847877.25	7.91E-05	2.50E-08	1.06E-08	8.53E-05	2.69E-08	1.14E-08	1.35E-04	4.25E-08	1.80E-08
3313	487863.09, 3847877.25	7.60E-05	2.40E-08	1.02E-08	8.21E-05	2.59E-08	1.10E-08	1.30E-04	4.11E-08	1.74E-08
3314	488363.09, 3847877.25	7.60E-05	2.40E-08	1.02E-08	8.20E-05	2.59E-08	1.10E-08	1.30E-04	4.11E-08	1.75E-08
3315	488863.09, 3847877.25	7.73E-05	2.44E-08	1.03E-08	8.34E-05	2.63E-08	1.12E-08	1.33E-04	4.18E-08	1.78E-08
3316	489363.09, 3847877.25	7.92E-05	2.50E-08	1.06E-08	8.56E-05	2.70E-08	1.15E-08	1.36E-04	4.29E-08	1.82E-08
3317	489863.09, 3847877.25	8.33E-05	2.63E-08	1.12E-08	9.00E-05	2.84E-08	1.20E-08	1.43E-04	4.52E-08	1.92E-08
3318	490363.09, 3847877.25	8.50E-05	2.68E-08	1.14E-08	9.18E-05	2.90E-08	1.23E-08	1.46E-04	4.62E-08	1.96E-08
3319	490863.09, 3847877.25	8.54E-05	2.69E-08	1.14E-08	9.22E-05	2.91E-08	1.23E-08	1.47E-04	4.64E-08	1.97E-08
3320	491363.09, 3847877.25	8.45E-05	2.67E-08	1.13E-08	9.13E-05	2.88E-08	1.22E-08	1.46E-04	4.60E-08	1.95E-08
3321	491863.09, 3847877.25	8.77E-05	2.77E-08	1.17E-08	9.48E-05	2.99E-08	1.27E-08	1.51E-04	4.78E-08	2.03E-08
3322	492363.09, 3847877.25	9.25E-05	2.92E-08	1.24E-08	9.99E-05	3.15E-08	1.34E-08	1.60E-04	5.04E-08	2.14E-08
3323	492863.09, 3847877.25	9.68E-05	3.06E-08	1.30E-08	1.05E-04	3.30E-08	1.40E-08	1.67E-04	5.29E-08	2.24E-08
3324	493363.09, 3847877.25	9.78E-05	3.09E-08	1.31E-08	1.06E-04	3.34E-08	1.42E-08	1.69E-04	5.35E-08	2.27E-08
3325	493863.09, 3847877.25	1.01E-04	3.18E-08	1.35E-08	1.09E-04	3.43E-08	1.46E-08	1.74E-04	5.50E-08	2.33E-08
3326	494363.09, 3847877.25	1.06E-04	3.33E-08	1.41E-08	1.14E-04	3.60E-08	1.53E-08	1.83E-04	5.77E-08	2.45E-08
3327	494863.09, 3847877.25	1.12E-04	3.53E-08	1.50E-08	1.21E-04	3.81E-08	1.62E-08	1.94E-04	6.11E-08	2.59E-08
3328	495363.09, 3847877.25	1.16E-04	3.65E-08	1.55E-08	1.25E-04	3.95E-08	1.68E-08	2.01E-04	6.33E-08	2.69E-08
3329	495863.09, 3847877.25	1.12E-04	3.53E-08	1.50E-08	1.21E-04	3.82E-08	1.62E-08	1.94E-04	6.12E-08	2.60E-08
3330	496363.09, 3847877.25	1.31E-04	4.14E-08	1.76E-08	1.42E-04	4.47E-08	1.90E-08	2.27E-04	7.17E-08	3.04E-08
3331	496863.09, 3847877.25	1.42E-04	4.49E-08	1.90E-08	1.54E-04	4.85E-08	2.06E-08	2.46E-04	7.76E-08	3.29E-08
3332	497363.09, 3847877.25	1.57E-04	4.97E-08	2.11E-08	1.70E-04	5.37E-08	2.28E-08	2.72E-04	8.59E-08	3.65E-08
3333	497863.09, 3847877.25	1.83E-04	5.79E-08	2.45E-08	1.98E-04	6.25E-08	2.65E-08	3.17E-04	1.00E-07	4.24E-08
3334	498363.09, 3847877.25	1.98E-04	6.26E-08	2.65E-08	2.14E-04	6.76E-08	2.87E-08	3.43E-04	1.08E-07	4.59E-08
3335	471363.09, 3848377.25	2.87E-04	9.04E-08	3.84E-08	3.09E-04	9.76E-08	4.14E-08	4.90E-04	1.55E-07	6.56E-08
3336	471863.09, 3848377.25	2.94E-04	9.29E-08	3.94E-08	3.17E-04	1.00E-07	4.25E-08	5.03E-04	1.59E-07	6.74E-08
3337	472363.09, 3848377.25	2.99E-04	9.43E-08	4.00E-08	3.22E-04	1.02E-07	4.32E-08	5.11E-04	1.61E-07	6.84E-08
3338	472863.09, 3848377.25	3.04E-04	9.60E-08	4.07E-08	3.28E-04	1.04E-07	4.39E-08	5.19E-04	1.64E-07	6.95E-08
3339	473363.09, 3848377.25	3.05E-04	9.63E-08	4.09E-08	3.29E-04	1.04E-07	4.41E-08	5.20E-04	1.64E-07	6.97E-08
3340	473863.09, 3848377.25	3.07E-04	9.69E-08	4.11E-08	3.31E-04	1.04E-07	4.43E-08	5.22E-04	1.65E-07	6.99E-08
3341	474363.09, 3848377.25	2.96E-04	9.35E-08	3.97E-08	3.20E-04	1.01E-07	4.28E-08	5.04E-04	1.59E-07	6.75E-08
3342	474863.09, 3848377.25	2.54E-04	8.00E-08	3.40E-08	2.73E-04	8.63E-08	3.66E-08	4.32E-04	1.36E-07	5.78E-08
3343	475363.09, 3848377.25	2.59E-04	8.18E-08	3.47E-08	2.80E-04	8.82E-08	3.74E-08	4.41E-04	1.39E-07	5.90E-08
3344	475863.09, 3848377.25	2.27E-04	7.15E-08	3.04E-08	2.44E-04	7.72E-08	3.27E-08	3.85E-04	1.22E-07	5.16E-08
3345	476363.09, 3848377.25	2.22E-04	7.02E-08	2.98E-08	2.40E-04	7.57E-08	3.21E-08	3.79E-04	1.19E-07	5.07E-08
3346	476863.09, 3848377.25	3.54E-04	1.12E-07	4.74E-08	3.82E-04	1.21E-07	5.12E-08	6.03E-04	1.90E-07	8.08E-08
3347	477363.09, 3848377.25	4.05E-04	1.28E-07	5.43E-08	4.37E-04	1.38E-07	5.86E-08	6.92E-04	2.19E-07	9.27E-08
3348	477863.09, 3848377.25	4.06E-04	1.28E-07	5.43E-08	4.38E-04	1.38E-07	5.86E-08	6.93E-04	2.19E-07	9.28E-08
3349	478363.09, 3848377.25	3.44E-04	1.09E-07	4.61E-08	3.71E-04	1.17E-07	4.97E-08	5.87E-04	1.85E-07	7.86E-08
3350	478863.09, 3848377.25	2.79E-04	8.80E-08	3.73E-08	3.01E-04	9.49E-08	4.03E-08	4.75E-04	1.50E-07	6.36E-08
3351	479363.09, 3848377.25	1.92E-04	6.05E-08	2.57E-08	2.07E-04	6.53E-08	2.77E-08	3.26E-04	1.03E-07	4.37E-08

3352	479863.09, 3848377.25	8.59E-05	2.71E-08	1.15E-08	9.28E-05	2.93E-08	1.24E-08	1.48E-04	4.67E-08	1.98E-08
3353	480363.09, 3848377.25	1.10E-04	3.47E-08	1.47E-08	1.19E-04	3.75E-08	1.59E-08	1.88E-04	5.93E-08	2.51E-08
3354	480863.09, 3848377.25	1.40E-04	4.43E-08	1.88E-08	1.51E-04	4.78E-08	2.03E-08	2.39E-04	7.53E-08	3.19E-08
3355	481363.09, 3848377.25	1.40E-04	4.43E-08	1.88E-08	1.51E-04	4.77E-08	2.03E-08	2.38E-04	7.52E-08	3.19E-08
3356	481863.09, 3848377.25	1.44E-04	4.53E-08	1.92E-08	1.55E-04	4.89E-08	2.07E-08	2.44E-04	7.69E-08	3.26E-08
3357	482363.09, 3848377.25	1.43E-04	4.50E-08	1.91E-08	1.54E-04	4.86E-08	2.06E-08	2.42E-04	7.65E-08	3.25E-08
3358	482863.09, 3848377.25	1.25E-04	3.93E-08	1.67E-08	1.34E-04	4.24E-08	1.80E-08	2.11E-04	6.66E-08	2.83E-08
3359	483363.09, 3848377.25	1.20E-04	3.78E-08	1.61E-08	1.29E-04	4.08E-08	1.73E-08	2.03E-04	6.41E-08	2.72E-08
3360	483863.09, 3848377.25	1.11E-04	3.50E-08	1.48E-08	1.20E-04	3.77E-08	1.60E-08	1.88E-04	5.93E-08	2.52E-08
3361	484363.09, 3848377.25	1.07E-04	3.38E-08	1.44E-08	1.16E-04	3.65E-08	1.55E-08	1.82E-04	5.73E-08	2.43E-08
3362	484863.09, 3848377.25	1.13E-04	3.56E-08	1.51E-08	1.21E-04	3.83E-08	1.63E-08	1.91E-04	6.03E-08	2.56E-08
3363	485363.09, 3848377.25	1.08E-04	3.42E-08	1.45E-08	1.17E-04	3.69E-08	1.57E-08	1.84E-04	5.80E-08	2.46E-08
3364	485863.09, 3848377.25	1.06E-04	3.33E-08	1.41E-08	1.14E-04	3.59E-08	1.53E-08	1.79E-04	5.66E-08	2.40E-08
3365	486363.09, 3848377.25	1.00E-04	3.16E-08	1.34E-08	1.08E-04	3.40E-08	1.44E-08	1.70E-04	5.35E-08	2.27E-08
3366	486863.09, 3848377.25	9.36E-05	2.95E-08	1.25E-08	1.01E-04	3.19E-08	1.35E-08	1.59E-04	5.02E-08	2.13E-08
3367	487363.09, 3848377.25	8.78E-05	2.77E-08	1.18E-08	9.47E-05	2.99E-08	1.27E-08	1.50E-04	4.72E-08	2.00E-08
3368	487863.09, 3848377.25	8.79E-05	2.77E-08	1.18E-08	9.48E-05	2.99E-08	1.27E-08	1.50E-04	4.74E-08	2.01E-08
3369	488363.09, 3848377.25	8.84E-05	2.79E-08	1.18E-08	9.54E-05	3.01E-08	1.28E-08	1.51E-04	4.78E-08	2.03E-08
3370	488863.09, 3848377.25	9.04E-05	2.85E-08	1.21E-08	9.76E-05	3.08E-08	1.31E-08	1.55E-04	4.89E-08	2.08E-08
3371	489363.09, 3848377.25	9.34E-05	2.95E-08	1.25E-08	1.01E-04	3.18E-08	1.35E-08	1.60E-04	5.05E-08	2.14E-08
3372	489863.09, 3848377.25	1.00E-04	3.15E-08	1.34E-08	1.08E-04	3.41E-08	1.44E-08	1.71E-04	5.41E-08	2.30E-08
3373	490363.09, 3848377.25	1.01E-04	3.20E-08	1.36E-08	1.09E-04	3.45E-08	1.47E-08	1.74E-04	5.49E-08	2.33E-08
3374	490863.09, 3848377.25	1.00E-04	3.17E-08	1.35E-08	1.08E-04	3.42E-08	1.45E-08	1.73E-04	5.46E-08	2.32E-08
3375	491363.09, 3848377.25	1.03E-04	3.24E-08	1.37E-08	1.11E-04	3.50E-08	1.48E-08	1.77E-04	5.58E-08	2.37E-08
3376	491863.09, 3848377.25	1.06E-04	3.33E-08	1.41E-08	1.14E-04	3.60E-08	1.53E-08	1.82E-04	5.75E-08	2.44E-08
3377	492363.09, 3848377.25	1.06E-04	3.34E-08	1.42E-08	1.15E-04	3.61E-08	1.53E-08	1.83E-04	5.78E-08	2.45E-08
3378	492863.09, 3848377.25	1.06E-04	3.34E-08	1.42E-08	1.14E-04	3.60E-08	1.53E-08	1.83E-04	5.77E-08	2.45E-08
3379	493363.09, 3848377.25	1.09E-04	3.45E-08	1.47E-08	1.18E-04	3.73E-08	1.58E-08	1.90E-04	5.99E-08	2.54E-08
3380	493863.09, 3848377.25	1.14E-04	3.60E-08	1.53E-08	1.23E-04	3.89E-08	1.65E-08	1.98E-04	6.24E-08	2.65E-08
3381	494363.09, 3848377.25	1.18E-04	3.72E-08	1.58E-08	1.27E-04	4.02E-08	1.70E-08	2.04E-04	6.44E-08	2.73E-08
3382	494863.09, 3848377.25	1.25E-04	3.96E-08	1.68E-08	1.36E-04	4.28E-08	1.82E-08	2.18E-04	6.87E-08	2.91E-08
3383	495363.09, 3848377.25	1.25E-04	3.96E-08	1.68E-08	1.35E-04	4.28E-08	1.81E-08	2.17E-04	6.86E-08	2.91E-08
3384	495863.09, 3848377.25	1.31E-04	4.12E-08	1.75E-08	1.41E-04	4.46E-08	1.89E-08	2.27E-04	7.15E-08	3.03E-08
3385	496363.09, 3848377.25	1.44E-04	4.54E-08	1.93E-08	1.55E-04	4.90E-08	2.08E-08	2.49E-04	7.86E-08	3.33E-08
3386	496863.09, 3848377.25	1.48E-04	4.67E-08	1.98E-08	1.60E-04	5.04E-08	2.14E-08	2.56E-04	8.08E-08	3.43E-08
3387	497363.09, 3848377.25	1.68E-04	5.30E-08	2.25E-08	1.81E-04	5.72E-08	2.43E-08	2.91E-04	9.17E-08	3.89E-08
3388	497863.09, 3848377.25	2.20E-04	6.94E-08	2.94E-08	2.37E-04	7.49E-08	3.18E-08	3.80E-04	1.20E-07	5.08E-08
3389	498363.09, 3848377.25	2.32E-04	7.33E-08	3.11E-08	2.51E-04	7.92E-08	3.36E-08	4.01E-04	1.27E-07	5.37E-08
3390	471363.09, 3848877.25	2.88E-04	9.10E-08	3.86E-08	3.11E-04	9.82E-08	4.17E-08	4.92E-04	1.55E-07	6.59E-08
3391	471863.09, 3848877.25	3.09E-04	9.74E-08	4.13E-08	3.33E-04	1.05E-07	4.46E-08	5.27E-04	1.66E-07	7.06E-08
3392	472363.09, 3848877.25	3.22E-04	1.02E-07	4.32E-08	3.48E-04	1.10E-07	4.66E-08	5.51E-04	1.74E-07	7.38E-08
3393	472863.09, 3848877.25	3.31E-04	1.05E-07	4.44E-08	3.57E-04	1.13E-07	4.79E-08	5.66E-04	1.79E-07	7.59E-08
3394	473363.09, 3848877.25	3.40E-04	1.07E-07	4.55E-08	3.66E-04	1.16E-07	4.91E-08	5.80E-04	1.83E-07	7.77E-08
3395	473863.09, 3848877.25	3.42E-04	1.08E-07	4.58E-08	3.69E-04	1.16E-07	4.94E-08	5.84E-04	1.84E-07	7.81E-08
3396	474363.09, 3848877.25	3.46E-04	1.09E-07	4.64E-08	3.73E-04	1.18E-07	5.00E-08	5.89E-04	1.86E-07	7.89E-08
3397	474863.09, 3848877.25	3.27E-04	1.03E-07	4.38E-08	3.53E-04	1.11E-07	4.72E-08	5.56E-04	1.76E-07	7.45E-08
3398	475363.09, 3848877.25	3.11E-04	9.82E-08	4.17E-08	3.36E-04	1.06E-07	4.49E-08	5.29E-04	1.67E-07	7.09E-08
3399	475863.09, 3848877.25	3.07E-04	9.68E-08	4.11E-08	3.31E-04	1.04E-07	4.43E-08	5.21E-04	1.65E-07	6.98E-08
3400	476363.09, 3848877.25	2.77E-04	8.73E-08	3.70E-08	2.98E-04	9.41E-08	3.99E-08	4.70E-04	1.48E-07	6.29E-08
3401	476863.09, 3848877.25	2.78E-04	8.79E-08	3.73E-08	3.00E-04	9.48E-08	4.02E-08	4.73E-04	1.49E-07	6.34E-08
3402	477363.09, 3848877.25	4.21E-04	1.33E-07	5.63E-08	4.54E-04	1.43E-07	6.07E-08	7.16E-04	2.26E-07	9.59E-08
3403	477863.09, 3848877.25	4.76E-04	1.50E-07	6.37E-08	5.14E-04	1.62E-07	6.88E-08	8.13E-04	2.57E-07	1.09E-07
3404	478363.09, 3848877.25	4.70E-04	1.48E-07	6.29E-08	5.07E-04	1.60E-07	6.79E-08	8.03E-04	2.53E-07	1.08E-07
3405	478863.09, 3848877.25	3.77E-04	1.19E-07	5.05E-08	4.07E-04	1.28E-07	5.45E-08	6.43E-04	2.03E-07	8.61E-08
3406	479363.09, 3848877.25	2.84E-04	8.95E-08	3.80E-08	3.06E-04	9.65E-08	4.10E-08	4.83E-04	1.52E-07	6.47E-08
3407	479863.09, 3848877.25	2.11E-04	6.67E-08	2.83E-08	2.28E-04	7.20E-08	3.05E-08	3.60E-04	1.14E-07	4.82E-08
3408	480363.09, 3848877.25	2.15E-04	6.78E-08	2.88E-08	2.32E-04	7.31E-08	3.10E-08	3.65E-04	1.15E-07	4.88E-08
3409	480863.09, 3848877.25	2.12E-04	6.71E-08	2.84E-08	2.29E-04	7.23E-08	3.07E-08	3.60E-04	1.14E-07	4.82E-08
3410	481363.09, 3848877.25	1.96E-04	6.19E-08	2.63E-08	2.11E-04	6.67E-08	2.83E-08	3.33E-04	1.05E-07	4.46E-08
3411	481863.09, 3848877.25	1.69E-04	5.32E-08	2.26E-08	1.82E-04	5.73E-08	2.43E-08	2.86E-04	9.02E-08	3.83E-08
3412	482363.09, 3848877.25	1.44E-04	4.53E-08	1.92E-08	1.55E-04	4.88E-08	2.07E-08	2.44E-04	7.69E-08	3.26E-08

3413 482863.09, 3848877.25	1.24E-04	3.91E-08	1.66E-08	1.34E-04	4.22E-08	1.79E-08	2.10E-04	6.64E-08	2.82E-08
3414 483363.09, 3848877.25	1.12E-04	3.52E-08	1.49E-08	1.20E-04	3.80E-08	1.61E-08	1.90E-04	5.98E-08	2.54E-08
3415 483863.09, 3848877.25	1.09E-04	3.43E-08	1.45E-08	1.17E-04	3.69E-08	1.57E-08	1.85E-04	5.82E-08	2.47E-08
3416 484363.09, 3848877.25	1.21E-04	3.81E-08	1.62E-08	1.30E-04	4.10E-08	1.74E-08	2.04E-04	6.45E-08	2.74E-08
3417 484863.09, 3848877.25	1.33E-04	4.20E-08	1.78E-08	1.44E-04	4.53E-08	1.92E-08	2.26E-04	7.12E-08	3.02E-08
3418 485363.09, 3848877.25	1.27E-04	4.01E-08	1.70E-08	1.37E-04	4.32E-08	1.83E-08	2.15E-04	6.79E-08	2.88E-08
3419 485863.09, 3848877.25	1.22E-04	3.86E-08	1.64E-08	1.32E-04	4.16E-08	1.77E-08	2.07E-04	6.54E-08	2.78E-08
3420 486363.09, 3848877.25	1.13E-04	3.56E-08	1.51E-08	1.21E-04	3.83E-08	1.63E-08	1.91E-04	6.04E-08	2.56E-08
3421 486863.09, 3848877.25	1.04E-04	3.27E-08	1.39E-08	1.12E-04	3.53E-08	1.50E-08	1.76E-04	5.57E-08	2.36E-08
3422 487363.09, 3848877.25	1.04E-04	3.30E-08	1.40E-08	1.13E-04	3.55E-08	1.51E-08	1.78E-04	5.62E-08	2.38E-08
3423 487863.09, 3848877.25	1.04E-04	3.27E-08	1.39E-08	1.12E-04	3.53E-08	1.50E-08	1.77E-04	5.59E-08	2.37E-08
3424 488363.09, 3848877.25	1.06E-04	3.33E-08	1.41E-08	1.14E-04	3.60E-08	1.53E-08	1.81E-04	5.70E-08	2.42E-08
3425 488863.09, 3848877.25	1.07E-04	3.39E-08	1.44E-08	1.16E-04	3.66E-08	1.55E-08	1.84E-04	5.80E-08	2.46E-08
3426 489363.09, 3848877.25	1.12E-04	3.54E-08	1.50E-08	1.21E-04	3.82E-08	1.62E-08	1.92E-04	6.07E-08	2.58E-08
3427 489863.09, 3848877.25	1.18E-04	3.72E-08	1.58E-08	1.27E-04	4.02E-08	1.71E-08	2.02E-04	6.39E-08	2.71E-08
3428 490363.09, 3848877.25	1.18E-04	3.72E-08	1.58E-08	1.27E-04	4.02E-08	1.71E-08	2.03E-04	6.40E-08	2.71E-08
3429 490863.09, 3848877.25	1.18E-04	3.73E-08	1.58E-08	1.28E-04	4.03E-08	1.71E-08	2.04E-04	6.42E-08	2.73E-08
3430 491363.09, 3848877.25	1.22E-04	3.86E-08	1.64E-08	1.32E-04	4.17E-08	1.77E-08	2.11E-04	6.66E-08	2.82E-08
3431 491863.09, 3848877.25	1.22E-04	3.85E-08	1.63E-08	1.32E-04	4.16E-08	1.77E-08	2.11E-04	6.66E-08	2.83E-08
3432 492363.09, 3848877.25	1.22E-04	3.84E-08	1.63E-08	1.32E-04	4.15E-08	1.76E-08	2.11E-04	6.65E-08	2.82E-08
3433 492863.09, 3848877.25	1.20E-04	3.77E-08	1.60E-08	1.29E-04	4.08E-08	1.73E-08	2.07E-04	6.55E-08	2.78E-08
3434 493363.09, 3848877.25	1.18E-04	3.73E-08	1.58E-08	1.28E-04	4.03E-08	1.71E-08	2.05E-04	6.47E-08	2.75E-08
3435 493863.09, 3848877.25	1.26E-04	3.99E-08	1.69E-08	1.37E-04	4.31E-08	1.83E-08	2.19E-04	6.92E-08	2.94E-08
3436 494363.09, 3848877.25	1.33E-04	4.19E-08	1.78E-08	1.44E-04	4.53E-08	1.92E-08	2.31E-04	7.28E-08	3.09E-08
3437 494863.09, 3848877.25	1.44E-04	4.54E-08	1.92E-08	1.55E-04	4.90E-08	2.08E-08	2.49E-04	7.87E-08	3.34E-08
3438 495363.09, 3848877.25	1.53E-04	4.82E-08	2.04E-08	1.65E-04	5.21E-08	2.21E-08	2.64E-04	8.35E-08	3.54E-08
3439 495863.09, 3848877.25	1.50E-04	4.72E-08	2.00E-08	1.62E-04	5.11E-08	2.17E-08	2.59E-04	8.19E-08	3.47E-08
3440 496363.09, 3848877.25	1.58E-04	5.00E-08	2.12E-08	1.71E-04	5.40E-08	2.29E-08	2.74E-04	8.66E-08	3.68E-08
3441 496863.09, 3848877.25	1.79E-04	5.66E-08	2.40E-08	1.94E-04	6.12E-08	2.60E-08	3.10E-04	9.80E-08	4.16E-08
3442 497363.09, 3848877.25	2.24E-04	7.08E-08	3.00E-08	2.42E-04	7.65E-08	3.25E-08	3.88E-04	1.22E-07	5.19E-08
3443 497863.09, 3848877.25	2.51E-04	7.92E-08	3.36E-08	2.71E-04	8.55E-08	3.63E-08	4.33E-04	1.37E-07	5.80E-08
3444 498363.09, 3848877.25	2.74E-04	8.64E-08	3.67E-08	2.96E-04	9.33E-08	3.96E-08	4.73E-04	1.49E-07	6.33E-08
3445 471363.09, 3849377.25	2.71E-04	8.56E-08	3.63E-08	2.93E-04	9.23E-08	3.92E-08	4.62E-04	1.46E-07	6.19E-08
3446 471863.09, 3849377.25	3.04E-04	9.61E-08	4.08E-08	3.28E-04	1.04E-07	4.40E-08	5.19E-04	1.64E-07	6.95E-08
3447 472363.09, 3849377.25	3.29E-04	1.04E-07	4.40E-08	3.55E-04	1.12E-07	4.75E-08	5.61E-04	1.77E-07	7.52E-08
3448 472863.09, 3849377.25	3.50E-04	1.11E-07	4.69E-08	3.78E-04	1.19E-07	5.06E-08	5.98E-04	1.89E-07	8.01E-08
3449 473363.09, 3849377.25	3.66E-04	1.16E-07	4.90E-08	3.95E-04	1.25E-07	5.29E-08	6.26E-04	1.98E-07	8.38E-08
3450 473863.09, 3849377.25	3.78E-04	1.19E-07	5.06E-08	4.07E-04	1.29E-07	5.46E-08	6.46E-04	2.04E-07	8.64E-08
3451 474363.09, 3849377.25	3.85E-04	1.21E-07	5.15E-08	4.15E-04	1.31E-07	5.56E-08	6.57E-04	2.07E-07	8.79E-08
3452 474863.09, 3849377.25	3.90E-04	1.23E-07	5.22E-08	4.21E-04	1.33E-07	5.63E-08	6.65E-04	2.10E-07	8.90E-08
3453 475363.09, 3849377.25	3.88E-04	1.23E-07	5.20E-08	4.19E-04	1.32E-07	5.61E-08	6.60E-04	2.08E-07	8.84E-08
3454 475863.09, 3849377.25	3.89E-04	1.23E-07	5.21E-08	4.20E-04	1.32E-07	5.62E-08	6.60E-04	2.08E-07	8.84E-08
3455 476363.09, 3849377.25	3.79E-04	1.20E-07	5.07E-08	4.08E-04	1.29E-07	5.47E-08	6.42E-04	2.03E-07	8.60E-08
3456 476863.09, 3849377.25	3.52E-04	1.11E-07	4.72E-08	3.80E-04	1.20E-07	5.08E-08	5.97E-04	1.88E-07	8.00E-08
3457 477363.09, 3849377.25	3.62E-04	1.14E-07	4.85E-08	3.91E-04	1.23E-07	5.23E-08	6.15E-04	1.94E-07	8.23E-08
3458 477863.09, 3849377.25	4.57E-04	1.44E-07	6.12E-08	4.93E-04	1.56E-07	6.60E-08	7.79E-04	2.46E-07	1.04E-07
3459 478363.09, 3849377.25	5.54E-04	1.75E-07	7.42E-08	5.98E-04	1.89E-07	8.01E-08	9.47E-04	2.99E-07	1.27E-07
3460 478863.09, 3849377.25	5.00E-04	1.58E-07	6.70E-08	5.40E-04	1.70E-07	7.23E-08	8.55E-04	2.70E-07	1.14E-07
3461 479363.09, 3849377.25	4.17E-04	1.32E-07	5.59E-08	4.50E-04	1.42E-07	6.03E-08	7.11E-04	2.24E-07	9.52E-08
3462 479863.09, 3849377.25	3.02E-04	9.52E-08	4.04E-08	3.25E-04	1.03E-07	4.35E-08	5.13E-04	1.62E-07	6.87E-08
3463 480363.09, 3849377.25	3.23E-04	1.02E-07	4.33E-08	3.49E-04	1.10E-07	4.67E-08	5.48E-04	1.73E-07	7.34E-08
3464 480863.09, 3849377.25	2.88E-04	9.09E-08	3.86E-08	3.10E-04	9.79E-08	4.15E-08	4.87E-04	1.54E-07	6.52E-08
3465 481363.09, 3849377.25	2.30E-04	7.25E-08	3.08E-08	2.48E-04	7.82E-08	3.32E-08	3.90E-04	1.23E-07	5.22E-08
3466 481863.09, 3849377.25	1.66E-04	5.24E-08	2.22E-08	1.79E-04	5.65E-08	2.40E-08	2.82E-04	8.91E-08	3.78E-08
3467 482363.09, 3849377.25	1.50E-04	4.72E-08	2.00E-08	1.61E-04	5.09E-08	2.16E-08	2.54E-04	8.03E-08	3.41E-08
3468 482863.09, 3849377.25	1.27E-04	4.01E-08	1.70E-08	1.37E-04	4.33E-08	1.84E-08	2.16E-04	6.83E-08	2.90E-08
3469 483363.09, 3849377.25	1.18E-04	3.72E-08	1.58E-08	1.27E-04	4.01E-08	1.70E-08	2.01E-04	6.33E-08	2.69E-08
3470 483863.09, 3849377.25	1.03E-04	3.26E-08	1.38E-08	1.11E-04	3.52E-08	1.49E-08	1.76E-04	5.55E-08	2.36E-08
3471 484363.09, 3849377.25	1.33E-04	4.20E-08	1.78E-08	1.43E-04	4.53E-08	1.92E-08	2.25E-04	7.12E-08	3.02E-08
3472 484863.09, 3849377.25	1.56E-04	4.92E-08	2.09E-08	1.68E-04	5.30E-08	2.25E-08	2.64E-04	8.32E-08	3.53E-08
3473 485363.09, 3849377.25	1.51E-04	4.75E-08	2.02E-08	1.62E-04	5.12E-08	2.17E-08	2.55E-04	8.04E-08	3.41E-08

3474	485863.09, 3849377.25	1.20E-04	3.79E-08	1.61E-08	1.30E-04	4.09E-08	1.73E-08	2.04E-04	6.44E-08	2.73E-08
3475	486363.09, 3849377.25	1.05E-04	3.30E-08	1.40E-08	1.13E-04	3.56E-08	1.51E-08	1.78E-04	5.62E-08	2.39E-08
3476	486863.09, 3849377.25	1.20E-04	3.78E-08	1.60E-08	1.29E-04	4.07E-08	1.73E-08	2.04E-04	6.43E-08	2.73E-08
3477	487363.09, 3849377.25	1.25E-04	3.95E-08	1.68E-08	1.35E-04	4.26E-08	1.81E-08	2.14E-04	6.75E-08	2.86E-08
3478	487863.09, 3849377.25	1.25E-04	3.94E-08	1.67E-08	1.35E-04	4.26E-08	1.81E-08	2.14E-04	6.74E-08	2.86E-08
3479	488363.09, 3849377.25	1.27E-04	4.01E-08	1.70E-08	1.37E-04	4.33E-08	1.84E-08	2.17E-04	6.85E-08	2.91E-08
3480	488863.09, 3849377.25	1.32E-04	4.17E-08	1.77E-08	1.42E-04	4.50E-08	1.91E-08	2.26E-04	7.12E-08	3.02E-08
3481	489363.09, 3849377.25	1.37E-04	4.32E-08	1.83E-08	1.48E-04	4.67E-08	1.98E-08	2.35E-04	7.41E-08	3.14E-08
3482	489863.09, 3849377.25	1.41E-04	4.45E-08	1.89E-08	1.52E-04	4.81E-08	2.04E-08	2.42E-04	7.64E-08	3.24E-08
3483	490363.09, 3849377.25	1.41E-04	4.46E-08	1.89E-08	1.53E-04	4.81E-08	2.04E-08	2.43E-04	7.67E-08	3.26E-08
3484	490863.09, 3849377.25	1.44E-04	4.53E-08	1.92E-08	1.55E-04	4.90E-08	2.08E-08	2.48E-04	7.81E-08	3.32E-08
3485	491363.09, 3849377.25	1.49E-04	4.69E-08	1.99E-08	1.61E-04	5.07E-08	2.15E-08	2.57E-04	8.11E-08	3.44E-08
3486	491863.09, 3849377.25	1.49E-04	4.69E-08	1.99E-08	1.61E-04	5.07E-08	2.15E-08	2.57E-04	8.12E-08	3.45E-08
3487	492363.09, 3849377.25	1.49E-04	4.71E-08	2.00E-08	1.61E-04	5.09E-08	2.16E-08	2.58E-04	8.15E-08	3.46E-08
3488	492863.09, 3849377.25	1.42E-04	4.50E-08	1.91E-08	1.54E-04	4.86E-08	2.06E-08	2.47E-04	7.80E-08	3.31E-08
3489	493363.09, 3849377.25	1.45E-04	4.59E-08	1.95E-08	1.57E-04	4.96E-08	2.11E-08	2.52E-04	7.96E-08	3.38E-08
3490	493863.09, 3849377.25	1.51E-04	4.78E-08	2.03E-08	1.64E-04	5.17E-08	2.19E-08	2.63E-04	8.29E-08	3.52E-08
3491	494363.09, 3849377.25	1.63E-04	5.14E-08	2.18E-08	1.76E-04	5.56E-08	2.36E-08	2.83E-04	8.92E-08	3.79E-08
3492	494863.09, 3849377.25	1.89E-04	5.95E-08	2.53E-08	2.04E-04	6.43E-08	2.73E-08	3.27E-04	1.03E-07	4.37E-08
3493	495363.09, 3849377.25	2.04E-04	6.43E-08	2.73E-08	2.20E-04	6.95E-08	2.95E-08	3.53E-04	1.11E-07	4.72E-08
3494	495863.09, 3849377.25	1.77E-04	5.58E-08	2.37E-08	1.91E-04	6.04E-08	2.56E-08	3.07E-04	9.68E-08	4.11E-08
3495	496363.09, 3849377.25	1.79E-04	5.66E-08	2.40E-08	1.94E-04	6.12E-08	2.60E-08	3.11E-04	9.81E-08	4.16E-08
3496	496863.09, 3849377.25	2.34E-04	7.37E-08	3.13E-08	2.52E-04	7.96E-08	3.38E-08	4.04E-04	1.27E-07	5.41E-08
3497	497363.09, 3849377.25	2.59E-04	8.18E-08	3.47E-08	2.80E-04	8.84E-08	3.75E-08	4.48E-04	1.41E-07	6.00E-08
3498	497863.09, 3849377.25	3.29E-04	1.04E-07	4.41E-08	3.56E-04	1.12E-07	4.76E-08	5.68E-04	1.79E-07	7.61E-08
3499	498363.09, 3849377.25	3.27E-04	1.03E-07	4.38E-08	3.53E-04	1.12E-07	4.73E-08	5.65E-04	1.78E-07	7.56E-08
3500	471363.09, 3849877.25	2.30E-04	7.26E-08	3.08E-08	2.48E-04	7.83E-08	3.32E-08	3.93E-04	1.24E-07	5.27E-08
3501	471863.09, 3849877.25	2.74E-04	8.65E-08	3.67E-08	2.96E-04	9.33E-08	3.96E-08	4.68E-04	1.48E-07	6.26E-08
3502	472363.09, 3849877.25	3.17E-04	9.99E-08	4.24E-08	3.41E-04	1.08E-07	4.57E-08	5.39E-04	1.70E-07	7.22E-08
3503	472863.09, 3849877.25	3.50E-04	1.10E-07	4.68E-08	3.77E-04	1.19E-07	5.05E-08	5.96E-04	1.88E-07	7.98E-08
3504	473363.09, 3849877.25	3.75E-04	1.18E-07	5.02E-08	4.04E-04	1.28E-07	5.41E-08	6.39E-04	2.02E-07	8.56E-08
3505	473863.09, 3849877.25	4.00E-04	1.26E-07	5.36E-08	4.32E-04	1.36E-07	5.79E-08	6.84E-04	2.16E-07	9.16E-08
3506	474363.09, 3849877.25	4.21E-04	1.33E-07	5.64E-08	4.54E-04	1.43E-07	6.09E-08	7.20E-04	2.27E-07	9.64E-08
3507	474863.09, 3849877.25	4.34E-04	1.37E-07	5.81E-08	4.68E-04	1.48E-07	6.27E-08	7.42E-04	2.34E-07	9.93E-08
3508	475363.09, 3849877.25	4.39E-04	1.38E-07	5.87E-08	4.73E-04	1.49E-07	6.34E-08	7.49E-04	2.36E-07	1.00E-07
3509	475863.09, 3849877.25	4.43E-04	1.40E-07	5.94E-08	4.78E-04	1.51E-07	6.40E-08	7.55E-04	2.38E-07	1.01E-07
3510	476363.09, 3849877.25	4.45E-04	1.40E-07	5.96E-08	4.80E-04	1.51E-07	6.42E-08	7.55E-04	2.38E-07	1.01E-07
3511	476863.09, 3849877.25	4.42E-04	1.40E-07	5.92E-08	4.77E-04	1.50E-07	6.39E-08	7.49E-04	2.36E-07	1.00E-07
3512	477363.09, 3849877.25	4.28E-04	1.35E-07	5.73E-08	4.61E-04	1.45E-07	6.17E-08	7.22E-04	2.28E-07	9.67E-08
3513	477863.09, 3849877.25	4.38E-04	1.38E-07	5.86E-08	4.72E-04	1.49E-07	6.32E-08	7.41E-04	2.34E-07	9.92E-08
3514	478363.09, 3849877.25	5.45E-04	1.72E-07	7.30E-08	5.88E-04	1.86E-07	7.87E-08	9.28E-04	2.93E-07	1.24E-07
3515	478863.09, 3849877.25	6.68E-04	2.11E-07	8.94E-08	7.21E-04	2.27E-07	9.65E-08	1.14E-03	3.60E-07	1.53E-07
3516	479363.09, 3849877.25	6.04E-04	1.91E-07	8.08E-08	6.51E-04	2.06E-07	8.72E-08	1.03E-03	3.25E-07	1.38E-07
3517	479863.09, 3849877.25	5.37E-04	1.69E-07	7.19E-08	5.79E-04	1.83E-07	7.75E-08	9.14E-04	2.89E-07	1.22E-07
3518	480363.09, 3849877.25	4.08E-04	1.29E-07	5.46E-08	4.40E-04	1.39E-07	5.89E-08	6.93E-04	2.19E-07	9.29E-08
3519	480863.09, 3849877.25	3.29E-04	1.04E-07	4.40E-08	3.54E-04	1.12E-07	4.75E-08	5.57E-04	1.76E-07	7.47E-08
3520	481363.09, 3849877.25	2.79E-04	8.80E-08	3.74E-08	3.01E-04	9.49E-08	4.03E-08	4.72E-04	1.49E-07	6.32E-08
3521	481863.09, 3849877.25	1.82E-04	5.74E-08	2.43E-08	1.96E-04	6.19E-08	2.63E-08	3.09E-04	9.77E-08	4.14E-08
3522	482363.09, 3849877.25	1.55E-04	4.90E-08	2.08E-08	1.67E-04	5.28E-08	2.24E-08	2.64E-04	8.34E-08	3.54E-08
3523	482863.09, 3849877.25	1.38E-04	4.35E-08	1.84E-08	1.49E-04	4.69E-08	1.99E-08	2.34E-04	7.40E-08	3.14E-08
3524	483363.09, 3849877.25	1.23E-04	3.88E-08	1.65E-08	1.33E-04	4.18E-08	1.78E-08	2.09E-04	6.61E-08	2.80E-08
3525	483863.09, 3849877.25	1.20E-04	3.79E-08	1.61E-08	1.30E-04	4.09E-08	1.74E-08	2.05E-04	6.46E-08	2.74E-08
3526	484363.09, 3849877.25	1.49E-04	4.70E-08	1.99E-08	1.60E-04	5.06E-08	2.15E-08	2.52E-04	7.96E-08	3.38E-08
3527	484863.09, 3849877.25	1.89E-04	5.98E-08	2.54E-08	2.04E-04	6.44E-08	2.73E-08	3.20E-04	1.01E-07	4.29E-08
3528	485363.09, 3849877.25	1.73E-04	5.45E-08	2.31E-08	1.86E-04	5.88E-08	2.49E-08	2.92E-04	9.22E-08	3.91E-08
3529	485863.09, 3849877.25	1.48E-04	4.66E-08	1.98E-08	1.59E-04	5.03E-08	2.13E-08	2.50E-04	7.90E-08	3.35E-08
3530	486363.09, 3849877.25	1.39E-04	4.40E-08	1.87E-08	1.50E-04	4.74E-08	2.01E-08	2.37E-04	7.49E-08	3.18E-08
3531	486863.09, 3849877.25	1.52E-04	4.79E-08	2.03E-08	1.64E-04	5.17E-08	2.19E-08	2.59E-04	8.17E-08	3.47E-08
3532	487363.09, 3849877.25	1.54E-04	4.85E-08	2.06E-08	1.66E-04	5.23E-08	2.22E-08	2.62E-04	8.27E-08	3.51E-08
3533	487863.09, 3849877.25	1.55E-04	4.90E-08	2.08E-08	1.67E-04	5.28E-08	2.24E-08	2.65E-04	8.37E-08	3.55E-08
3534	488363.09, 3849877.25	1.59E-04	5.03E-08	2.13E-08	1.72E-04	5.43E-08	2.30E-08	2.72E-04	8.59E-08	3.65E-08

3535 488863.09, 3849877.25	1.66E-04	5.24E-08	2.22E-08	1.79E-04	5.66E-08	2.40E-08	2.84E-04	8.97E-08	3.80E-08
3536 489363.09, 3849877.25	1.71E-04	5.40E-08	2.29E-08	1.85E-04	5.83E-08	2.47E-08	2.93E-04	9.26E-08	3.93E-08
3537 489863.09, 3849877.25	1.74E-04	5.51E-08	2.34E-08	1.88E-04	5.95E-08	2.52E-08	3.00E-04	9.47E-08	4.02E-08
3538 490363.09, 3849877.25	1.77E-04	5.58E-08	2.37E-08	1.91E-04	6.03E-08	2.56E-08	3.05E-04	9.62E-08	4.08E-08
3539 490863.09, 3849877.25	1.83E-04	5.78E-08	2.45E-08	1.98E-04	6.24E-08	2.65E-08	3.16E-04	9.97E-08	4.23E-08
3540 491363.09, 3849877.25	1.89E-04	5.97E-08	2.53E-08	2.04E-04	6.45E-08	2.74E-08	3.27E-04	1.03E-07	4.37E-08
3541 491863.09, 3849877.25	1.90E-04	6.00E-08	2.55E-08	2.05E-04	6.48E-08	2.75E-08	3.29E-04	1.04E-07	4.40E-08
3542 492363.09, 3849877.25	1.92E-04	6.06E-08	2.57E-08	2.08E-04	6.55E-08	2.78E-08	3.32E-04	1.05E-07	4.45E-08
3543 492863.09, 3849877.25	1.88E-04	5.93E-08	2.52E-08	2.03E-04	6.41E-08	2.72E-08	3.26E-04	1.03E-07	4.36E-08
3544 493363.09, 3849877.25	1.84E-04	5.81E-08	2.46E-08	1.99E-04	6.28E-08	2.66E-08	3.19E-04	1.01E-07	4.27E-08
3545 493863.09, 3849877.25	1.85E-04	5.85E-08	2.48E-08	2.00E-04	6.32E-08	2.68E-08	3.21E-04	1.01E-07	4.30E-08
3546 494363.09, 3849877.25	2.24E-04	7.06E-08	2.99E-08	2.42E-04	7.63E-08	3.24E-08	3.87E-04	1.22E-07	5.19E-08
3547 494863.09, 3849877.25	2.56E-04	8.08E-08	3.43E-08	2.76E-04	8.73E-08	3.70E-08	4.43E-04	1.40E-07	5.93E-08
3548 495363.09, 3849877.25	2.37E-04	7.48E-08	3.18E-08	2.56E-04	8.09E-08	3.43E-08	4.10E-04	1.30E-07	5.50E-08
3549 495863.09, 3849877.25	2.74E-04	8.66E-08	3.68E-08	2.97E-04	9.36E-08	3.97E-08	4.74E-04	1.50E-07	6.35E-08
3550 496363.09, 3849877.25	2.94E-04	9.27E-08	3.93E-08	3.17E-04	1.00E-07	4.25E-08	5.07E-04	1.60E-07	6.80E-08
3551 496863.09, 3849877.25	3.10E-04	9.78E-08	4.15E-08	3.35E-04	1.06E-07	4.48E-08	5.35E-04	1.69E-07	7.17E-08
3552 497363.09, 3849877.25	3.67E-04	1.16E-07	4.92E-08	3.97E-04	1.25E-07	5.31E-08	6.34E-04	2.00E-07	8.49E-08
3553 497863.09, 3849877.25	3.94E-04	1.24E-07	5.28E-08	4.26E-04	1.34E-07	5.70E-08	6.80E-04	2.15E-07	9.11E-08
3554 498363.09, 3849877.25	3.90E-04	1.23E-07	5.22E-08	4.21E-04	1.33E-07	5.64E-08	6.73E-04	2.12E-07	9.01E-08
3555 471363.09, 3850377.25	1.88E-04	5.92E-08	2.51E-08	2.03E-04	6.39E-08	2.71E-08	3.22E-04	1.02E-07	4.31E-08
3556 471863.09, 3850377.25	2.44E-04	7.69E-08	3.26E-08	2.63E-04	8.30E-08	3.52E-08	4.18E-04	1.32E-07	5.59E-08
3557 472363.09, 3850377.25	2.73E-04	8.62E-08	3.66E-08	2.95E-04	9.30E-08	3.95E-08	4.67E-04	1.47E-07	6.25E-08
3558 472863.09, 3850377.25	3.29E-04	1.04E-07	4.40E-08	3.54E-04	1.12E-07	4.75E-08	5.60E-04	1.77E-07	7.50E-08
3559 473363.09, 3850377.25	3.59E-04	1.13E-07	4.81E-08	3.87E-04	1.22E-07	5.19E-08	6.12E-04	1.93E-07	8.20E-08
3560 473863.09, 3850377.25	3.98E-04	1.25E-07	5.32E-08	4.29E-04	1.35E-07	5.74E-08	6.78E-04	2.14E-07	9.07E-08
3561 474363.09, 3850377.25	4.33E-04	1.37E-07	5.80E-08	4.67E-04	1.47E-07	6.25E-08	7.38E-04	2.33E-07	9.89E-08
3562 474863.09, 3850377.25	4.64E-04	1.46E-07	6.21E-08	5.01E-04	1.58E-07	6.70E-08	7.92E-04	2.50E-07	1.06E-07
3563 475363.09, 3850377.25	4.90E-04	1.55E-07	6.56E-08	5.28E-04	1.67E-07	7.08E-08	8.37E-04	2.64E-07	1.12E-07
3564 475863.09, 3850377.25	5.03E-04	1.59E-07	6.74E-08	5.43E-04	1.71E-07	7.27E-08	8.60E-04	2.71E-07	1.15E-07
3565 476363.09, 3850377.25	5.09E-04	1.61E-07	6.82E-08	5.50E-04	1.73E-07	7.36E-08	8.68E-04	2.74E-07	1.16E-07
3566 476863.09, 3850377.25	5.15E-04	1.62E-07	6.89E-08	5.55E-04	1.75E-07	7.43E-08	8.74E-04	2.76E-07	1.17E-07
3567 477363.09, 3850377.25	5.16E-04	1.63E-07	6.91E-08	5.56E-04	1.75E-07	7.44E-08	8.73E-04	2.76E-07	1.17E-07
3568 477863.09, 3850377.25	4.99E-04	1.57E-07	6.68E-08	5.37E-04	1.70E-07	7.20E-08	8.43E-04	2.66E-07	1.13E-07
3569 478363.09, 3850377.25	4.99E-04	1.57E-07	6.68E-08	5.37E-04	1.70E-07	7.20E-08	8.44E-04	2.66E-07	1.13E-07
3570 478863.09, 3850377.25	6.52E-04	2.06E-07	8.73E-08	7.03E-04	2.22E-07	9.42E-08	1.11E-03	3.50E-07	1.48E-07
3571 479363.09, 3850377.25	7.96E-04	2.51E-07	1.07E-07	8.58E-04	2.71E-07	1.15E-07	1.36E-03	4.29E-07	1.82E-07
3572 479863.09, 3850377.25	7.34E-04	2.32E-07	9.83E-08	7.92E-04	2.50E-07	1.06E-07	1.25E-03	3.95E-07	1.68E-07
3573 480363.09, 3850377.25	6.12E-04	1.93E-07	8.20E-08	6.60E-04	2.08E-07	8.84E-08	1.04E-03	3.29E-07	1.40E-07
3574 480863.09, 3850377.25	5.60E-04	1.77E-07	7.49E-08	6.03E-04	1.90E-07	8.08E-08	9.50E-04	3.00E-07	1.27E-07
3575 481363.09, 3850377.25	3.46E-04	1.09E-07	4.63E-08	3.72E-04	1.18E-07	4.99E-08	5.85E-04	1.85E-07	7.83E-08
3576 481863.09, 3850377.25	3.13E-04	9.87E-08	4.19E-08	3.37E-04	1.06E-07	4.51E-08	5.30E-04	1.67E-07	7.10E-08
3577 482363.09, 3850377.25	2.79E-04	8.80E-08	3.73E-08	3.00E-04	9.48E-08	4.02E-08	4.73E-04	1.49E-07	6.33E-08
3578 482863.09, 3850377.25	1.95E-04	6.16E-08	2.61E-08	2.10E-04	6.64E-08	2.82E-08	3.31E-04	1.05E-07	4.43E-08
3579 483363.09, 3850377.25	1.61E-04	5.09E-08	2.16E-08	1.74E-04	5.48E-08	2.33E-08	2.74E-04	8.65E-08	3.67E-08
3580 483863.09, 3850377.25	1.68E-04	5.31E-08	2.25E-08	1.81E-04	5.73E-08	2.43E-08	2.85E-04	9.00E-08	3.82E-08
3581 484363.09, 3850377.25	1.93E-04	6.09E-08	2.58E-08	2.08E-04	6.56E-08	2.78E-08	3.26E-04	1.03E-07	4.37E-08
3582 484863.09, 3850377.25	2.25E-04	7.11E-08	3.02E-08	2.43E-04	7.66E-08	3.25E-08	3.81E-04	1.20E-07	5.10E-08
3583 485363.09, 3850377.25	2.19E-04	6.92E-08	2.94E-08	2.36E-04	7.45E-08	3.16E-08	3.70E-04	1.17E-07	4.96E-08
3584 485863.09, 3850377.25	1.97E-04	6.22E-08	2.64E-08	2.12E-04	6.70E-08	2.84E-08	3.34E-04	1.05E-07	4.47E-08
3585 486363.09, 3850377.25	1.95E-04	6.16E-08	2.61E-08	2.11E-04	6.65E-08	2.82E-08	3.32E-04	1.05E-07	4.44E-08
3586 486863.09, 3850377.25	1.96E-04	6.20E-08	2.63E-08	2.12E-04	6.68E-08	2.84E-08	3.34E-04	1.05E-07	4.47E-08
3587 487363.09, 3850377.25	1.92E-04	6.05E-08	2.57E-08	2.07E-04	6.52E-08	2.77E-08	3.26E-04	1.03E-07	4.37E-08
3588 487863.09, 3850377.25	1.98E-04	6.25E-08	2.65E-08	2.14E-04	6.74E-08	2.86E-08	3.38E-04	1.07E-07	4.52E-08
3589 488363.09, 3850377.25	2.04E-04	6.43E-08	2.73E-08	2.20E-04	6.93E-08	2.94E-08	3.48E-04	1.10E-07	4.66E-08
3590 488863.09, 3850377.25	2.13E-04	6.72E-08	2.85E-08	2.30E-04	7.25E-08	3.08E-08	3.64E-04	1.15E-07	4.88E-08
3591 489363.09, 3850377.25	2.21E-04	6.99E-08	2.97E-08	2.39E-04	7.55E-08	3.20E-08	3.81E-04	1.20E-07	5.10E-08
3592 489863.09, 3850377.25	2.26E-04	7.13E-08	3.02E-08	2.44E-04	7.70E-08	3.27E-08	3.89E-04	1.23E-07	5.21E-08
3593 490363.09, 3850377.25	2.33E-04	7.34E-08	3.12E-08	2.51E-04	7.93E-08	3.37E-08	4.01E-04	1.27E-07	5.37E-08
3594 490863.09, 3850377.25	2.42E-04	7.63E-08	3.24E-08	2.61E-04	8.24E-08	3.50E-08	4.17E-04	1.32E-07	5.59E-08
3595 491363.09, 3850377.25	2.49E-04	7.87E-08	3.34E-08	2.69E-04	8.50E-08	3.61E-08	4.31E-04	1.36E-07	5.77E-08

3596	491863.09, 3850377.25	2.48E-04	7.83E-08	3.32E-08	2.68E-04	8.46E-08	3.59E-08	4.29E-04	1.35E-07	5.75E-08
3597	492363.09, 3850377.25	2.44E-04	7.70E-08	3.27E-08	2.64E-04	8.32E-08	3.53E-08	4.22E-04	1.33E-07	5.66E-08
3598	492863.09, 3850377.25	2.46E-04	7.75E-08	3.29E-08	2.66E-04	8.38E-08	3.56E-08	4.26E-04	1.34E-07	5.70E-08
3599	493363.09, 3850377.25	2.40E-04	7.59E-08	3.22E-08	2.60E-04	8.20E-08	3.48E-08	4.16E-04	1.31E-07	5.57E-08
3600	493863.09, 3850377.25	2.67E-04	8.43E-08	3.57E-08	2.88E-04	9.10E-08	3.86E-08	4.62E-04	1.46E-07	6.19E-08
3601	494363.09, 3850377.25	2.89E-04	9.13E-08	3.87E-08	3.13E-04	9.87E-08	4.19E-08	5.00E-04	1.58E-07	6.70E-08
3602	494863.09, 3850377.25	3.24E-04	1.02E-07	4.34E-08	3.50E-04	1.11E-07	4.69E-08	5.60E-04	1.77E-07	7.50E-08
3603	495363.09, 3850377.25	3.67E-04	1.16E-07	4.92E-08	3.97E-04	1.25E-07	5.32E-08	6.34E-04	2.00E-07	8.50E-08
3604	495863.09, 3850377.25	3.60E-04	1.14E-07	4.82E-08	3.89E-04	1.23E-07	5.21E-08	6.22E-04	1.96E-07	8.33E-08
3605	496363.09, 3850377.25	4.04E-04	1.28E-07	5.41E-08	4.36E-04	1.38E-07	5.84E-08	6.97E-04	2.20E-07	9.34E-08
3606	496863.09, 3850377.25	4.46E-04	1.41E-07	5.98E-08	4.82E-04	1.52E-07	6.45E-08	7.70E-04	2.43E-07	1.03E-07
3607	497363.09, 3850377.25	4.69E-04	1.48E-07	6.28E-08	5.07E-04	1.60E-07	6.78E-08	8.09E-04	2.55E-07	1.08E-07
3608	497863.09, 3850377.25	4.72E-04	1.49E-07	6.32E-08	5.10E-04	1.61E-07	6.83E-08	8.15E-04	2.57E-07	1.09E-07
3609	498363.09, 3850377.25	4.75E-04	1.50E-07	6.36E-08	5.13E-04	1.62E-07	6.87E-08	8.20E-04	2.59E-07	1.10E-07
3610	471363.09, 3850877.25	2.33E-04	7.34E-08	3.11E-08	2.51E-04	7.92E-08	3.36E-08	3.99E-04	1.26E-07	5.34E-08
3611	471863.09, 3850877.25	2.59E-04	8.18E-08	3.47E-08	2.80E-04	8.83E-08	3.74E-08	4.44E-04	1.40E-07	5.95E-08
3612	472363.09, 3850877.25	2.96E-04	9.35E-08	3.97E-08	3.20E-04	1.01E-07	4.28E-08	5.08E-04	1.60E-07	6.80E-08
3613	472863.09, 3850877.25	3.31E-04	1.04E-07	4.43E-08	3.57E-04	1.13E-07	4.78E-08	5.66E-04	1.79E-07	7.58E-08
3614	473363.09, 3850877.25	3.23E-04	1.02E-07	4.32E-08	3.48E-04	1.10E-07	4.67E-08	5.53E-04	1.74E-07	7.40E-08
3615	473863.09, 3850877.25	3.71E-04	1.17E-07	4.97E-08	4.01E-04	1.26E-07	5.36E-08	6.34E-04	2.00E-07	8.49E-08
3616	474363.09, 3850877.25	4.29E-04	1.35E-07	5.75E-08	4.63E-04	1.46E-07	6.20E-08	7.31E-04	2.31E-07	9.79E-08
3617	474863.09, 3850877.25	4.69E-04	1.48E-07	6.28E-08	5.06E-04	1.60E-07	6.77E-08	7.99E-04	2.52E-07	1.07E-07
3618	475363.09, 3850877.25	5.08E-04	1.60E-07	6.80E-08	5.48E-04	1.73E-07	7.34E-08	8.66E-04	2.73E-07	1.16E-07
3619	475863.09, 3850877.25	5.47E-04	1.73E-07	7.33E-08	5.91E-04	1.86E-07	7.91E-08	9.34E-04	2.95E-07	1.25E-07
3620	476363.09, 3850877.25	5.77E-04	1.82E-07	7.73E-08	6.23E-04	1.97E-07	8.34E-08	9.85E-04	3.11E-07	1.32E-07
3621	476863.09, 3850877.25	5.94E-04	1.88E-07	7.96E-08	6.41E-04	2.02E-07	8.58E-08	1.01E-03	3.20E-07	1.36E-07
3622	477363.09, 3850877.25	6.05E-04	1.91E-07	8.11E-08	6.53E-04	2.06E-07	8.74E-08	1.03E-03	3.25E-07	1.38E-07
3623	477863.09, 3850877.25	6.10E-04	1.93E-07	8.17E-08	6.58E-04	2.08E-07	8.80E-08	1.03E-03	3.26E-07	1.38E-07
3624	478363.09, 3850877.25	5.99E-04	1.89E-07	8.02E-08	6.45E-04	2.04E-07	8.64E-08	1.01E-03	3.19E-07	1.35E-07
3625	478863.09, 3850877.25	6.21E-04	1.96E-07	8.32E-08	6.69E-04	2.11E-07	8.96E-08	1.04E-03	3.30E-07	1.40E-07
3626	479363.09, 3850877.25	7.71E-04	2.43E-07	1.03E-07	8.31E-04	2.62E-07	1.11E-07	1.31E-03	4.12E-07	1.75E-07
3627	479863.09, 3850877.25	9.25E-04	2.92E-07	1.24E-07	9.98E-04	3.15E-07	1.34E-07	1.58E-03	4.99E-07	2.12E-07
3628	480363.09, 3850877.25	9.11E-04	2.87E-07	1.22E-07	9.82E-04	3.10E-07	1.32E-07	1.55E-03	4.89E-07	2.07E-07
3629	480863.09, 3850877.25	8.00E-04	2.52E-07	1.07E-07	8.62E-04	2.72E-07	1.15E-07	1.36E-03	4.29E-07	1.82E-07
3630	481363.09, 3850877.25	6.99E-04	2.21E-07	9.36E-08	7.53E-04	2.38E-07	1.01E-07	1.18E-03	3.74E-07	1.59E-07
3631	481863.09, 3850877.25	5.60E-04	1.77E-07	7.50E-08	6.04E-04	1.91E-07	8.08E-08	9.47E-04	2.99E-07	1.27E-07
3632	482363.09, 3850877.25	4.02E-04	1.27E-07	5.39E-08	4.34E-04	1.37E-07	5.81E-08	6.82E-04	2.15E-07	9.13E-08
3633	482863.09, 3850877.25	3.17E-04	1.00E-07	4.24E-08	3.41E-04	1.08E-07	4.57E-08	5.35E-04	1.69E-07	7.17E-08
3634	483363.09, 3850877.25	2.45E-04	7.74E-08	3.28E-08	2.64E-04	8.34E-08	3.54E-08	4.16E-04	1.31E-07	5.57E-08
3635	483863.09, 3850877.25	2.37E-04	7.47E-08	3.17E-08	2.55E-04	8.05E-08	3.42E-08	4.01E-04	1.27E-07	5.38E-08
3636	484363.09, 3850877.25	2.66E-04	8.38E-08	3.56E-08	2.86E-04	9.03E-08	3.83E-08	4.49E-04	1.42E-07	6.01E-08
3637	484863.09, 3850877.25	2.59E-04	8.16E-08	3.46E-08	2.79E-04	8.79E-08	3.73E-08	4.37E-04	1.38E-07	5.85E-08
3638	485363.09, 3850877.25	2.71E-04	8.57E-08	3.63E-08	2.92E-04	9.23E-08	3.92E-08	4.59E-04	1.45E-07	6.14E-08
3639	485863.09, 3850877.25	2.39E-04	7.55E-08	3.20E-08	2.58E-04	8.14E-08	3.46E-08	4.06E-04	1.28E-07	5.44E-08
3640	486363.09, 3850877.25	2.52E-04	7.95E-08	3.37E-08	2.72E-04	8.57E-08	3.64E-08	4.28E-04	1.35E-07	5.73E-08
3641	486863.09, 3850877.25	2.53E-04	7.98E-08	3.39E-08	2.73E-04	8.61E-08	3.65E-08	4.30E-04	1.36E-07	5.76E-08
3642	487363.09, 3850877.25	2.47E-04	7.81E-08	3.31E-08	2.67E-04	8.42E-08	3.57E-08	4.21E-04	1.33E-07	5.64E-08
3643	487863.09, 3850877.25	2.57E-04	8.10E-08	3.44E-08	2.77E-04	8.74E-08	3.71E-08	4.38E-04	1.38E-07	5.87E-08
3644	488363.09, 3850877.25	2.70E-04	8.53E-08	3.62E-08	2.92E-04	9.20E-08	3.90E-08	4.62E-04	1.46E-07	6.19E-08
3645	488863.09, 3850877.25	2.82E-04	8.91E-08	3.78E-08	3.05E-04	9.62E-08	4.08E-08	4.85E-04	1.53E-07	6.49E-08
3646	489363.09, 3850877.25	2.98E-04	9.39E-08	3.98E-08	3.21E-04	1.01E-07	4.30E-08	5.12E-04	1.62E-07	6.86E-08
3647	489863.09, 3850877.25	3.09E-04	9.74E-08	4.13E-08	3.34E-04	1.05E-07	4.47E-08	5.32E-04	1.68E-07	7.13E-08
3648	490363.09, 3850877.25	3.24E-04	1.02E-07	4.34E-08	3.50E-04	1.10E-07	4.68E-08	5.59E-04	1.76E-07	7.48E-08
3649	490863.09, 3850877.25	3.35E-04	1.06E-07	4.48E-08	3.62E-04	1.14E-07	4.84E-08	5.78E-04	1.82E-07	7.74E-08
3650	491363.09, 3850877.25	3.38E-04	1.07E-07	4.53E-08	3.65E-04	1.15E-07	4.89E-08	5.84E-04	1.84E-07	7.82E-08
3651	491863.09, 3850877.25	3.38E-04	1.07E-07	4.52E-08	3.65E-04	1.15E-07	4.89E-08	5.84E-04	1.84E-07	7.82E-08
3652	492363.09, 3850877.25	3.36E-04	1.06E-07	4.50E-08	3.63E-04	1.15E-07	4.86E-08	5.81E-04	1.83E-07	7.78E-08
3653	492863.09, 3850877.25	3.39E-04	1.07E-07	4.53E-08	3.66E-04	1.15E-07	4.90E-08	5.85E-04	1.85E-07	7.84E-08
3654	493363.09, 3850877.25	3.47E-04	1.10E-07	4.65E-08	3.75E-04	1.18E-07	5.03E-08	6.01E-04	1.90E-07	8.04E-08
3655	493863.09, 3850877.25	3.83E-04	1.21E-07	5.13E-08	4.14E-04	1.31E-07	5.54E-08	6.62E-04	2.09E-07	8.86E-08
3656	494363.09, 3850877.25	4.03E-04	1.27E-07	5.39E-08	4.35E-04	1.37E-07	5.82E-08	6.95E-04	2.19E-07	9.31E-08

3657 494863.09, 3850877.25	4.43E-04	1.40E-07	5.94E-08	4.79E-04	1.51E-07	6.41E-08	7.65E-04	2.42E-07	1.02E-07
3658 495363.09, 3850877.25	4.88E-04	1.54E-07	6.54E-08	5.27E-04	1.66E-07	7.06E-08	8.43E-04	2.66E-07	1.13E-07
3659 495863.09, 3850877.25	5.01E-04	1.58E-07	6.71E-08	5.42E-04	1.71E-07	7.25E-08	8.65E-04	2.73E-07	1.16E-07
3660 496363.09, 3850877.25	5.29E-04	1.67E-07	7.08E-08	5.71E-04	1.80E-07	7.65E-08	9.12E-04	2.88E-07	1.22E-07
3661 496863.09, 3850877.25	5.70E-04	1.80E-07	7.64E-08	6.16E-04	1.94E-07	8.25E-08	9.84E-04	3.11E-07	1.32E-07
3662 497363.09, 3850877.25	5.77E-04	1.82E-07	7.73E-08	6.24E-04	1.97E-07	8.35E-08	9.96E-04	3.14E-07	1.33E-07
3663 497863.09, 3850877.25	5.72E-04	1.81E-07	7.67E-08	6.18E-04	1.95E-07	8.28E-08	9.88E-04	3.12E-07	1.32E-07
3664 498363.09, 3850877.25	5.67E-04	1.79E-07	7.59E-08	6.12E-04	1.93E-07	8.20E-08	9.78E-04	3.09E-07	1.31E-07
3665 471363.09, 3851377.25	2.57E-04	8.11E-08	3.44E-08	2.77E-04	8.76E-08	3.71E-08	4.41E-04	1.39E-07	5.90E-08
3666 471863.09, 3851377.25	3.13E-04	9.89E-08	4.19E-08	3.38E-04	1.07E-07	4.53E-08	5.37E-04	1.69E-07	7.19E-08
3667 472363.09, 3851377.25	3.20E-04	1.01E-07	4.28E-08	3.45E-04	1.09E-07	4.62E-08	5.48E-04	1.73E-07	7.34E-08
3668 472863.09, 3851377.25	3.29E-04	1.04E-07	4.40E-08	3.55E-04	1.12E-07	4.75E-08	5.63E-04	1.78E-07	7.54E-08
3669 473363.09, 3851377.25	3.03E-04	9.57E-08	4.06E-08	3.27E-04	1.03E-07	4.38E-08	5.19E-04	1.64E-07	6.96E-08
3670 473863.09, 3851377.25	3.22E-04	1.01E-07	4.31E-08	3.47E-04	1.10E-07	4.65E-08	5.51E-04	1.74E-07	7.38E-08
3671 474363.09, 3851377.25	3.86E-04	1.22E-07	5.16E-08	4.16E-04	1.31E-07	5.57E-08	6.60E-04	2.08E-07	8.84E-08
3672 474863.09, 3851377.25	4.47E-04	1.41E-07	5.99E-08	4.82E-04	1.52E-07	6.46E-08	7.64E-04	2.41E-07	1.02E-07
3673 475363.09, 3851377.25	5.04E-04	1.59E-07	6.74E-08	5.43E-04	1.71E-07	7.27E-08	8.59E-04	2.71E-07	1.15E-07
3674 475863.09, 3851377.25	5.52E-04	1.74E-07	7.39E-08	5.95E-04	1.88E-07	7.97E-08	9.40E-04	2.97E-07	1.26E-07
3675 476363.09, 3851377.25	6.02E-04	1.90E-07	8.06E-08	6.49E-04	2.05E-07	8.69E-08	1.03E-03	3.24E-07	1.37E-07
3676 476863.09, 3851377.25	6.41E-04	2.02E-07	8.58E-08	6.91E-04	2.18E-07	9.26E-08	1.09E-03	3.45E-07	1.47E-07
3677 477363.09, 3851377.25	6.92E-04	2.19E-07	9.27E-08	7.47E-04	2.36E-07	1.00E-07	1.18E-03	3.73E-07	1.58E-07
3678 477863.09, 3851377.25	7.16E-04	2.26E-07	9.59E-08	7.73E-04	2.44E-07	1.03E-07	1.22E-03	3.85E-07	1.63E-07
3679 478363.09, 3851377.25	7.26E-04	2.29E-07	9.72E-08	7.83E-04	2.47E-07	1.05E-07	1.23E-03	3.89E-07	1.65E-07
3680 478863.09, 3851377.25	7.25E-04	2.29E-07	9.70E-08	7.81E-04	2.46E-07	1.05E-07	1.22E-03	3.86E-07	1.64E-07
3681 479363.09, 3851377.25	7.40E-04	2.34E-07	9.91E-08	7.97E-04	2.51E-07	1.07E-07	1.24E-03	3.93E-07	1.67E-07
3682 479863.09, 3851377.25	9.20E-04	2.90E-07	1.23E-07	9.91E-04	3.13E-07	1.33E-07	1.56E-03	4.91E-07	2.08E-07
3683 480363.09, 3851377.25	1.11E-03	3.51E-07	1.49E-07	1.20E-03	3.79E-07	1.61E-07	1.89E-03	5.98E-07	2.54E-07
3684 480863.09, 3851377.25	1.09E-03	3.45E-07	1.46E-07	1.18E-03	3.71E-07	1.58E-07	1.85E-03	5.84E-07	2.48E-07
3685 481363.09, 3851377.25	9.90E-04	3.13E-07	1.33E-07	1.07E-03	3.37E-07	1.43E-07	1.68E-03	5.29E-07	2.24E-07
3686 481863.09, 3851377.25	8.16E-04	2.57E-07	1.09E-07	8.79E-04	2.77E-07	1.18E-07	1.38E-03	4.35E-07	1.85E-07
3687 482363.09, 3851377.25	6.90E-04	2.18E-07	9.24E-08	7.44E-04	2.35E-07	9.96E-08	1.17E-03	3.68E-07	1.56E-07
3688 482863.09, 3851377.25	4.95E-04	1.56E-07	6.63E-08	5.34E-04	1.68E-07	7.15E-08	8.37E-04	2.64E-07	1.12E-07
3689 483363.09, 3851377.25	3.54E-04	1.12E-07	4.75E-08	3.82E-04	1.20E-07	5.11E-08	5.99E-04	1.89E-07	8.02E-08
3690 483863.09, 3851377.25	3.07E-04	9.70E-08	4.12E-08	3.31E-04	1.05E-07	4.44E-08	5.21E-04	1.64E-07	6.97E-08
3691 484363.09, 3851377.25	3.71E-04	1.17E-07	4.96E-08	3.99E-04	1.26E-07	5.35E-08	6.25E-04	1.97E-07	8.37E-08
3692 484863.09, 3851377.25	2.80E-04	8.84E-08	3.75E-08	3.02E-04	9.53E-08	4.04E-08	4.74E-04	1.50E-07	6.35E-08
3693 485363.09, 3851377.25	3.52E-04	1.11E-07	4.71E-08	3.79E-04	1.20E-07	5.07E-08	5.94E-04	1.88E-07	7.96E-08
3694 485863.09, 3851377.25	3.09E-04	9.74E-08	4.13E-08	3.33E-04	1.05E-07	4.45E-08	5.24E-04	1.65E-07	7.01E-08
3695 486363.09, 3851377.25	3.40E-04	1.07E-07	4.55E-08	3.66E-04	1.16E-07	4.91E-08	5.76E-04	1.82E-07	7.72E-08
3696 486863.09, 3851377.25	3.37E-04	1.06E-07	4.52E-08	3.64E-04	1.15E-07	4.87E-08	5.74E-04	1.81E-07	7.68E-08
3697 487363.09, 3851377.25	3.09E-04	9.75E-08	4.14E-08	3.33E-04	1.05E-07	4.46E-08	5.27E-04	1.66E-07	7.06E-08
3698 487863.09, 3851377.25	3.51E-04	1.11E-07	4.70E-08	3.79E-04	1.19E-07	5.07E-08	6.01E-04	1.90E-07	8.04E-08
3699 488363.09, 3851377.25	3.77E-04	1.19E-07	5.04E-08	4.07E-04	1.28E-07	5.44E-08	6.46E-04	2.04E-07	8.66E-08
3700 488863.09, 3851377.25	3.96E-04	1.25E-07	5.30E-08	4.27E-04	1.35E-07	5.72E-08	6.80E-04	2.15E-07	9.11E-08
3701 489363.09, 3851377.25	4.16E-04	1.31E-07	5.57E-08	4.49E-04	1.42E-07	6.02E-08	7.17E-04	2.26E-07	9.60E-08
3702 489863.09, 3851377.25	4.33E-04	1.37E-07	5.79E-08	4.67E-04	1.48E-07	6.26E-08	7.47E-04	2.36E-07	1.00E-07
3703 490363.09, 3851377.25	4.50E-04	1.42E-07	6.02E-08	4.86E-04	1.53E-07	6.50E-08	7.76E-04	2.45E-07	1.04E-07
3704 490863.09, 3851377.25	4.61E-04	1.46E-07	6.18E-08	4.98E-04	1.57E-07	6.67E-08	7.96E-04	2.51E-07	1.07E-07
3705 491363.09, 3851377.25	4.60E-04	1.45E-07	6.17E-08	4.97E-04	1.57E-07	6.66E-08	7.95E-04	2.51E-07	1.06E-07
3706 491863.09, 3851377.25	4.62E-04	1.46E-07	6.19E-08	4.99E-04	1.58E-07	6.68E-08	7.98E-04	2.52E-07	1.07E-07
3707 492363.09, 3851377.25	4.68E-04	1.48E-07	6.26E-08	5.05E-04	1.59E-07	6.77E-08	8.08E-04	2.55E-07	1.08E-07
3708 492863.09, 3851377.25	4.63E-04	1.46E-07	6.20E-08	5.00E-04	1.58E-07	6.70E-08	8.00E-04	2.52E-07	1.07E-07
3709 493363.09, 3851377.25	4.28E-04	1.35E-07	5.74E-08	4.63E-04	1.46E-07	6.20E-08	7.40E-04	2.34E-07	9.92E-08
3710 493863.09, 3851377.25	4.67E-04	1.48E-07	6.26E-08	5.05E-04	1.59E-07	6.76E-08	8.07E-04	2.55E-07	1.08E-07
3711 494363.09, 3851377.25	5.47E-04	1.73E-07	7.33E-08	5.91E-04	1.87E-07	7.91E-08	9.44E-04	2.98E-07	1.26E-07
3712 494863.09, 3851377.25	5.70E-04	1.80E-07	7.63E-08	6.15E-04	1.94E-07	8.24E-08	9.83E-04	3.10E-07	1.32E-07
3713 495363.09, 3851377.25	6.51E-04	2.06E-07	8.72E-08	7.04E-04	2.22E-07	9.42E-08	1.12E-03	3.55E-07	1.50E-07
3714 495863.09, 3851377.25	6.84E-04	2.16E-07	9.16E-08	7.39E-04	2.33E-07	9.90E-08	1.18E-03	3.72E-07	1.58E-07
3715 496363.09, 3851377.25	7.02E-04	2.21E-07	9.39E-08	7.58E-04	2.39E-07	1.01E-07	1.21E-03	3.82E-07	1.62E-07
3716 496863.09, 3851377.25	7.07E-04	2.23E-07	9.47E-08	7.64E-04	2.41E-07	1.02E-07	1.22E-03	3.85E-07	1.63E-07
3717 497363.09, 3851377.25	7.09E-04	2.24E-07	9.49E-08	7.66E-04	2.42E-07	1.03E-07	1.22E-03	3.86E-07	1.64E-07

3718	497863.09, 3851377.25	6.98E-04	2.20E-07	9.35E-08	7.55E-04	2.38E-07	1.01E-07	1.20E-03	3.80E-07	1.61E-07
3719	498363.09, 3851377.25	6.65E-04	2.10E-07	8.91E-08	7.18E-04	2.27E-07	9.62E-08	1.15E-03	3.62E-07	1.54E-07
3720	471363.09, 3851877.25	2.90E-04	9.17E-08	3.89E-08	3.14E-04	9.90E-08	4.20E-08	4.99E-04	1.57E-07	6.68E-08
3721	471863.09, 3851877.25	2.82E-04	8.91E-08	3.78E-08	3.05E-04	9.62E-08	4.08E-08	4.85E-04	1.53E-07	6.49E-08
3722	472363.09, 3851877.25	3.17E-04	1.00E-07	4.24E-08	3.42E-04	1.08E-07	4.58E-08	5.44E-04	1.72E-07	7.28E-08
3723	472863.09, 3851877.25	3.48E-04	1.10E-07	4.66E-08	3.75E-04	1.18E-07	5.03E-08	5.97E-04	1.88E-07	7.99E-08
3724	473363.09, 3851877.25	3.28E-04	1.03E-07	4.39E-08	3.54E-04	1.12E-07	4.74E-08	5.62E-04	1.77E-07	7.52E-08
3725	473863.09, 3851877.25	3.38E-04	1.07E-07	4.52E-08	3.65E-04	1.15E-07	4.88E-08	5.79E-04	1.83E-07	7.75E-08
3726	474363.09, 3851877.25	3.95E-04	1.25E-07	5.29E-08	4.26E-04	1.35E-07	5.71E-08	6.76E-04	2.13E-07	9.06E-08
3727	474863.09, 3851877.25	4.54E-04	1.43E-07	6.07E-08	4.90E-04	1.55E-07	6.56E-08	7.77E-04	2.45E-07	1.04E-07
3728	475363.09, 3851877.25	4.94E-04	1.56E-07	6.61E-08	5.33E-04	1.68E-07	7.14E-08	8.45E-04	2.67E-07	1.13E-07
3729	475863.09, 3851877.25	5.33E-04	1.68E-07	7.14E-08	5.76E-04	1.82E-07	7.71E-08	9.12E-04	2.88E-07	1.22E-07
3730	476363.09, 3851877.25	5.51E-04	1.74E-07	7.38E-08	5.95E-04	1.88E-07	7.96E-08	9.43E-04	2.98E-07	1.26E-07
3731	476863.09, 3851877.25	6.23E-04	1.97E-07	8.34E-08	6.72E-04	2.12E-07	9.00E-08	1.07E-03	3.36E-07	1.43E-07
3732	477363.09, 3851877.25	6.99E-04	2.21E-07	9.36E-08	7.55E-04	2.38E-07	1.01E-07	1.19E-03	3.77E-07	1.60E-07
3733	477863.09, 3851877.25	7.65E-04	2.41E-07	1.02E-07	8.25E-04	2.60E-07	1.10E-07	1.31E-03	4.12E-07	1.75E-07
3734	478363.09, 3851877.25	7.92E-04	2.50E-07	1.06E-07	8.55E-04	2.70E-07	1.15E-07	1.36E-03	4.28E-07	1.81E-07
3735	478863.09, 3851877.25	8.45E-04	2.67E-07	1.13E-07	9.12E-04	2.88E-07	1.22E-07	1.44E-03	4.55E-07	1.93E-07
3736	479363.09, 3851877.25	8.85E-04	2.79E-07	1.19E-07	9.54E-04	3.01E-07	1.28E-07	1.50E-03	4.74E-07	2.01E-07
3737	479863.09, 3851877.25	9.31E-04	2.94E-07	1.25E-07	1.00E-03	3.17E-07	1.34E-07	1.57E-03	4.97E-07	2.11E-07
3738	480363.09, 3851877.25	1.12E-03	3.54E-07	1.50E-07	1.21E-03	3.81E-07	1.62E-07	1.90E-03	5.99E-07	2.54E-07
3739	480863.09, 3851877.25	1.35E-03	4.25E-07	1.80E-07	1.45E-03	4.58E-07	1.94E-07	2.29E-03	7.22E-07	3.06E-07
3740	481363.09, 3851877.25	1.34E-03	4.22E-07	1.79E-07	1.44E-03	4.55E-07	1.93E-07	2.26E-03	7.13E-07	3.03E-07
3741	481863.09, 3851877.25	1.18E-03	3.71E-07	1.58E-07	1.27E-03	4.00E-07	1.70E-07	1.99E-03	6.28E-07	2.66E-07
3742	482363.09, 3851877.25	8.34E-04	2.63E-07	1.12E-07	8.99E-04	2.84E-07	1.20E-07	1.41E-03	4.45E-07	1.89E-07
3743	482863.09, 3851877.25	5.48E-04	1.73E-07	7.33E-08	5.90E-04	1.86E-07	7.90E-08	9.27E-04	2.93E-07	1.24E-07
3744	483363.09, 3851877.25	5.48E-04	1.73E-07	7.34E-08	5.90E-04	1.86E-07	7.90E-08	9.22E-04	2.91E-07	1.24E-07
3745	483863.09, 3851877.25	4.77E-04	1.50E-07	6.38E-08	5.13E-04	1.62E-07	6.88E-08	8.03E-04	2.53E-07	1.08E-07
3746	484363.09, 3851877.25	5.13E-04	1.62E-07	6.87E-08	5.53E-04	1.74E-07	7.40E-08	8.65E-04	2.73E-07	1.16E-07
3747	484863.09, 3851877.25	4.59E-04	1.45E-07	6.15E-08	4.95E-04	1.56E-07	6.62E-08	7.75E-04	2.45E-07	1.04E-07
3748	485363.09, 3851877.25	4.75E-04	1.50E-07	6.37E-08	5.12E-04	1.62E-07	6.86E-08	8.03E-04	2.54E-07	1.08E-07
3749	485863.09, 3851877.25	4.91E-04	1.55E-07	6.58E-08	5.30E-04	1.67E-07	7.09E-08	8.31E-04	2.62E-07	1.11E-07
3750	486363.09, 3851877.25	4.54E-04	1.43E-07	6.08E-08	4.90E-04	1.55E-07	6.56E-08	7.72E-04	2.44E-07	1.03E-07
3751	486863.09, 3851877.25	4.71E-04	1.49E-07	6.30E-08	5.08E-04	1.60E-07	6.80E-08	8.03E-04	2.53E-07	1.08E-07
3752	487363.09, 3851877.25	4.88E-04	1.54E-07	6.53E-08	5.26E-04	1.66E-07	7.05E-08	8.35E-04	2.64E-07	1.12E-07
3753	487863.09, 3851877.25	4.64E-04	1.47E-07	6.22E-08	5.01E-04	1.58E-07	6.71E-08	7.99E-04	2.52E-07	1.07E-07
3754	488363.09, 3851877.25	4.97E-04	1.57E-07	6.65E-08	5.37E-04	1.69E-07	7.19E-08	8.56E-04	2.70E-07	1.15E-07
3755	488863.09, 3851877.25	5.04E-04	1.59E-07	6.75E-08	5.44E-04	1.72E-07	7.29E-08	8.70E-04	2.75E-07	1.16E-07
3756	489363.09, 3851877.25	5.15E-04	1.62E-07	6.89E-08	5.56E-04	1.76E-07	7.45E-08	8.89E-04	2.81E-07	1.19E-07
3757	489863.09, 3851877.25	5.33E-04	1.68E-07	7.14E-08	5.76E-04	1.82E-07	7.72E-08	9.22E-04	2.91E-07	1.23E-07
3758	490363.09, 3851877.25	5.63E-04	1.78E-07	7.53E-08	6.08E-04	1.92E-07	8.14E-08	9.72E-04	3.07E-07	1.30E-07
3759	490863.09, 3851877.25	5.94E-04	1.88E-07	7.96E-08	6.42E-04	2.03E-07	8.60E-08	1.03E-03	3.24E-07	1.37E-07
3760	491363.09, 3851877.25	6.28E-04	1.98E-07	8.41E-08	6.78E-04	2.14E-07	9.08E-08	1.08E-03	3.42E-07	1.45E-07
3761	491863.09, 3851877.25	6.51E-04	2.05E-07	8.71E-08	7.03E-04	2.22E-07	9.41E-08	1.12E-03	3.54E-07	1.50E-07
3762	492363.09, 3851877.25	6.40E-04	2.02E-07	8.57E-08	6.92E-04	2.18E-07	9.26E-08	1.10E-03	3.49E-07	1.48E-07
3763	492863.09, 3851877.25	5.70E-04	1.80E-07	7.63E-08	6.16E-04	1.94E-07	8.24E-08	9.84E-04	3.11E-07	1.32E-07
3764	493363.09, 3851877.25	6.69E-04	2.11E-07	8.97E-08	7.23E-04	2.28E-07	9.68E-08	1.16E-03	3.65E-07	1.55E-07
3765	493863.09, 3851877.25	7.79E-04	2.46E-07	1.04E-07	8.41E-04	2.66E-07	1.13E-07	1.34E-03	4.24E-07	1.80E-07
3766	494363.09, 3851877.25	7.60E-04	2.40E-07	1.02E-07	8.21E-04	2.59E-07	1.10E-07	1.31E-03	4.14E-07	1.76E-07
3767	494863.09, 3851877.25	8.32E-04	2.63E-07	1.11E-07	8.98E-04	2.84E-07	1.20E-07	1.43E-03	4.52E-07	1.92E-07
3768	495363.09, 3851877.25	8.78E-04	2.77E-07	1.18E-07	9.48E-04	2.99E-07	1.27E-07	1.51E-03	4.78E-07	2.03E-07
3769	495863.09, 3851877.25	9.05E-04	2.85E-07	1.21E-07	9.77E-04	3.08E-07	1.31E-07	1.56E-03	4.92E-07	2.09E-07
3770	496363.09, 3851877.25	8.93E-04	2.82E-07	1.20E-07	9.65E-04	3.05E-07	1.29E-07	1.54E-03	4.86E-07	2.06E-07
3771	496863.09, 3851877.25	8.75E-04	2.76E-07	1.17E-07	9.45E-04	2.98E-07	1.27E-07	1.51E-03	4.76E-07	2.02E-07
3772	497363.09, 3851877.25	8.51E-04	2.69E-07	1.14E-07	9.19E-04	2.90E-07	1.23E-07	1.47E-03	4.63E-07	1.96E-07
3773	497863.09, 3851877.25	7.99E-04	2.52E-07	1.07E-07	8.63E-04	2.72E-07	1.16E-07	1.38E-03	4.35E-07	1.84E-07
3774	498363.09, 3851877.25	7.52E-04	2.37E-07	1.01E-07	8.13E-04	2.56E-07	1.09E-07	1.30E-03	4.10E-07	1.74E-07
3775	471363.09, 3852377.25	2.67E-04	8.42E-08	3.57E-08	2.88E-04	9.09E-08	3.86E-08	4.58E-04	1.45E-07	6.14E-08
3776	471863.09, 3852377.25	3.05E-04	9.62E-08	4.08E-08	3.29E-04	1.04E-07	4.40E-08	5.23E-04	1.65E-07	7.01E-08
3777	472363.09, 3852377.25	3.33E-04	1.05E-07	4.46E-08	3.59E-04	1.13E-07	4.81E-08	5.72E-04	1.80E-07	7.66E-08
3778	472863.09, 3852377.25	3.54E-04	1.12E-07	4.75E-08	3.83E-04	1.21E-07	5.12E-08	6.09E-04	1.92E-07	8.15E-08

3779 473363.09, 3852377.25	3.66E-04	1.16E-07	4.91E-08	3.96E-04	1.25E-07	5.30E-08	6.29E-04	1.99E-07	8.42E-08
3780 473863.09, 3852377.25	3.72E-04	1.17E-07	4.98E-08	4.01E-04	1.27E-07	5.37E-08	6.38E-04	2.01E-07	8.54E-08
3781 474363.09, 3852377.25	3.83E-04	1.21E-07	5.13E-08	4.13E-04	1.30E-07	5.54E-08	6.57E-04	2.07E-07	8.80E-08
3782 474863.09, 3852377.25	4.91E-04	1.55E-07	6.57E-08	5.30E-04	1.67E-07	7.09E-08	8.41E-04	2.65E-07	1.13E-07
3783 475363.09, 3852377.25	5.10E-04	1.61E-07	6.84E-08	5.51E-04	1.74E-07	7.38E-08	8.74E-04	2.76E-07	1.17E-07
3784 475863.09, 3852377.25	5.23E-04	1.65E-07	7.01E-08	5.65E-04	1.78E-07	7.56E-08	8.96E-04	2.83E-07	1.20E-07
3785 476363.09, 3852377.25	5.24E-04	1.65E-07	7.01E-08	5.65E-04	1.78E-07	7.57E-08	8.96E-04	2.83E-07	1.20E-07
3786 476863.09, 3852377.25	5.68E-04	1.79E-07	7.61E-08	6.13E-04	1.93E-07	8.21E-08	9.72E-04	3.07E-07	1.30E-07
3787 477363.09, 3852377.25	6.02E-04	1.90E-07	8.06E-08	6.49E-04	2.05E-07	8.70E-08	1.03E-03	3.25E-07	1.38E-07
3788 477863.09, 3852377.25	5.46E-04	1.72E-07	7.31E-08	5.90E-04	1.86E-07	7.89E-08	9.36E-04	2.95E-07	1.25E-07
3789 478363.09, 3852377.25	5.18E-04	1.64E-07	6.94E-08	5.59E-04	1.76E-07	7.49E-08	8.87E-04	2.80E-07	1.19E-07
3790 478863.09, 3852377.25	6.95E-04	2.19E-07	9.30E-08	7.49E-04	2.37E-07	1.00E-07	1.19E-03	3.74E-07	1.59E-07
3791 479363.09, 3852377.25	8.24E-04	2.60E-07	1.10E-07	8.89E-04	2.81E-07	1.19E-07	1.41E-03	4.44E-07	1.88E-07
3792 479863.09, 3852377.25	1.04E-03	3.30E-07	1.40E-07	1.13E-03	3.56E-07	1.51E-07	1.78E-03	5.63E-07	2.39E-07
3793 480363.09, 3852377.25	1.18E-03	3.74E-07	1.59E-07	1.28E-03	4.03E-07	1.71E-07	2.00E-03	6.33E-07	2.68E-07
3794 480863.09, 3852377.25	1.42E-03	4.47E-07	1.90E-07	1.53E-03	4.82E-07	2.04E-07	2.40E-03	7.56E-07	3.21E-07
3795 481363.09, 3852377.25	1.71E-03	5.40E-07	2.29E-07	1.84E-03	5.82E-07	2.47E-07	2.90E-03	9.17E-07	3.89E-07
3796 481863.09, 3852377.25	1.69E-03	5.34E-07	2.27E-07	1.82E-03	5.75E-07	2.44E-07	2.85E-03	9.01E-07	3.82E-07
3797 482363.09, 3852377.25	1.48E-03	4.66E-07	1.98E-07	1.59E-03	5.02E-07	2.13E-07	2.48E-03	7.84E-07	3.33E-07
3798 482863.09, 3852377.25	1.22E-03	3.86E-07	1.64E-07	1.32E-03	4.16E-07	1.76E-07	2.07E-03	6.52E-07	2.77E-07
3799 483363.09, 3852377.25	8.11E-04	2.56E-07	1.09E-07	8.73E-04	2.76E-07	1.17E-07	1.36E-03	4.31E-07	1.83E-07
3800 483863.09, 3852377.25	6.35E-04	2.00E-07	8.51E-08	6.84E-04	2.16E-07	9.16E-08	1.07E-03	3.37E-07	1.43E-07
3801 484363.09, 3852377.25	7.05E-04	2.23E-07	9.44E-08	7.60E-04	2.40E-07	1.02E-07	1.19E-03	3.75E-07	1.59E-07
3802 484863.09, 3852377.25	7.52E-04	2.37E-07	1.01E-07	8.10E-04	2.56E-07	1.08E-07	1.27E-03	4.00E-07	1.70E-07
3803 485363.09, 3852377.25	8.03E-04	2.53E-07	1.07E-07	8.64E-04	2.73E-07	1.16E-07	1.35E-03	4.27E-07	1.81E-07
3804 485863.09, 3852377.25	7.51E-04	2.37E-07	1.01E-07	8.10E-04	2.56E-07	1.08E-07	1.27E-03	4.02E-07	1.71E-07
3805 486363.09, 3852377.25	6.67E-04	2.10E-07	8.93E-08	7.19E-04	2.27E-07	9.63E-08	1.14E-03	3.59E-07	1.52E-07
3806 486863.09, 3852377.25	6.75E-04	2.13E-07	9.03E-08	7.28E-04	2.30E-07	9.75E-08	1.16E-03	3.65E-07	1.55E-07
3807 487363.09, 3852377.25	6.66E-04	2.10E-07	8.92E-08	7.20E-04	2.27E-07	9.64E-08	1.15E-03	3.62E-07	1.54E-07
3808 487863.09, 3852377.25	6.65E-04	2.10E-07	8.91E-08	7.18E-04	2.27E-07	9.62E-08	1.15E-03	3.62E-07	1.54E-07
3809 488363.09, 3852377.25	6.62E-04	2.09E-07	8.87E-08	7.15E-04	2.26E-07	9.58E-08	1.14E-03	3.61E-07	1.53E-07
3810 488863.09, 3852377.25	6.52E-04	2.06E-07	8.73E-08	7.04E-04	2.22E-07	9.43E-08	1.13E-03	3.56E-07	1.51E-07
3811 489363.09, 3852377.25	6.54E-04	2.07E-07	8.76E-08	7.07E-04	2.23E-07	9.47E-08	1.13E-03	3.57E-07	1.52E-07
3812 489863.09, 3852377.25	6.30E-04	1.99E-07	8.43E-08	6.80E-04	2.15E-07	9.11E-08	1.09E-03	3.44E-07	1.46E-07
3813 490363.09, 3852377.25	7.04E-04	2.22E-07	9.43E-08	7.61E-04	2.40E-07	1.02E-07	1.22E-03	3.84E-07	1.63E-07
3814 490863.09, 3852377.25	7.65E-04	2.41E-07	1.02E-07	8.26E-04	2.61E-07	1.11E-07	1.32E-03	4.17E-07	1.77E-07
3815 491363.09, 3852377.25	8.93E-04	2.82E-07	1.20E-07	9.65E-04	3.04E-07	1.29E-07	1.54E-03	4.86E-07	2.06E-07
3816 491863.09, 3852377.25	9.23E-04	2.91E-07	1.24E-07	9.97E-04	3.15E-07	1.34E-07	1.59E-03	5.02E-07	2.13E-07
3817 492363.09, 3852377.25	9.36E-04	2.95E-07	1.25E-07	1.01E-03	3.19E-07	1.35E-07	1.61E-03	5.09E-07	2.16E-07
3818 492863.09, 3852377.25	9.92E-04	3.13E-07	1.33E-07	1.07E-03	3.38E-07	1.43E-07	1.71E-03	5.39E-07	2.29E-07
3819 493363.09, 3852377.25	1.09E-03	3.43E-07	1.46E-07	1.17E-03	3.71E-07	1.57E-07	1.87E-03	5.91E-07	2.51E-07
3820 493863.09, 3852377.25	1.08E-03	3.40E-07	1.44E-07	1.16E-03	3.67E-07	1.56E-07	1.86E-03	5.86E-07	2.49E-07
3821 494363.09, 3852377.25	1.07E-03	3.38E-07	1.43E-07	1.16E-03	3.65E-07	1.55E-07	1.85E-03	5.83E-07	2.47E-07
3822 494863.09, 3852377.25	1.12E-03	3.54E-07	1.50E-07	1.21E-03	3.82E-07	1.62E-07	1.93E-03	6.10E-07	2.59E-07
3823 495363.09, 3852377.25	1.17E-03	3.70E-07	1.57E-07	1.27E-03	3.99E-07	1.69E-07	2.02E-03	6.37E-07	2.70E-07
3824 495863.09, 3852377.25	1.13E-03	3.57E-07	1.51E-07	1.22E-03	3.85E-07	1.63E-07	1.95E-03	6.15E-07	2.61E-07
3825 496363.09, 3852377.25	1.08E-03	3.42E-07	1.45E-07	1.17E-03	3.70E-07	1.57E-07	1.87E-03	5.90E-07	2.50E-07
3826 496863.09, 3852377.25	1.05E-03	3.32E-07	1.41E-07	1.14E-03	3.59E-07	1.52E-07	1.82E-03	5.73E-07	2.43E-07
3827 497363.09, 3852377.25	9.63E-04	3.04E-07	1.29E-07	1.04E-03	3.28E-07	1.39E-07	1.66E-03	5.24E-07	2.22E-07
3828 497863.09, 3852377.25	8.78E-04	2.77E-07	1.18E-07	9.48E-04	2.99E-07	1.27E-07	1.51E-03	4.78E-07	2.03E-07
3829 498363.09, 3852377.25	8.00E-04	2.53E-07	1.07E-07	8.65E-04	2.73E-07	1.16E-07	1.38E-03	4.36E-07	1.85E-07
3830 471363.09, 3852877.25	2.79E-04	8.81E-08	3.74E-08	3.02E-04	9.52E-08	4.04E-08	4.80E-04	1.51E-07	6.43E-08
3831 471863.09, 3852877.25	3.10E-04	9.80E-08	4.16E-08	3.35E-04	1.06E-07	4.49E-08	5.33E-04	1.68E-07	7.14E-08
3832 472363.09, 3852877.25	3.45E-04	1.09E-07	4.62E-08	3.73E-04	1.18E-07	4.99E-08	5.93E-04	1.87E-07	7.94E-08
3833 472863.09, 3852877.25	3.74E-04	1.18E-07	5.01E-08	4.04E-04	1.27E-07	5.40E-08	6.42E-04	2.02E-07	8.59E-08
3834 473363.09, 3852877.25	4.05E-04	1.28E-07	5.42E-08	4.37E-04	1.38E-07	5.85E-08	6.95E-04	2.19E-07	9.30E-08
3835 473863.09, 3852877.25	4.45E-04	1.40E-07	5.95E-08	4.80E-04	1.52E-07	6.43E-08	7.63E-04	2.41E-07	1.02E-07
3836 474363.09, 3852877.25	4.84E-04	1.53E-07	6.48E-08	5.23E-04	1.65E-07	7.00E-08	8.30E-04	2.62E-07	1.11E-07
3837 474863.09, 3852877.25	4.55E-04	1.43E-07	6.09E-08	4.91E-04	1.55E-07	6.57E-08	7.80E-04	2.46E-07	1.04E-07
3838 475363.09, 3852877.25	5.03E-04	1.59E-07	6.73E-08	5.42E-04	1.71E-07	7.26E-08	8.62E-04	2.72E-07	1.15E-07
3839 475863.09, 3852877.25	5.23E-04	1.65E-07	7.00E-08	5.64E-04	1.78E-07	7.56E-08	8.96E-04	2.83E-07	1.20E-07

3840	476363.09, 3852877.25	4.99E-04	1.58E-07	6.69E-08	5.39E-04	1.70E-07	7.22E-08	8.56E-04	2.70E-07	1.15E-07
3841	476863.09, 3852877.25	4.47E-04	1.41E-07	5.98E-08	4.82E-04	1.52E-07	6.46E-08	7.65E-04	2.42E-07	1.03E-07
3842	477363.09, 3852877.25	4.15E-04	1.31E-07	5.56E-08	4.48E-04	1.41E-07	6.00E-08	7.12E-04	2.25E-07	9.53E-08
3843	477863.09, 3852877.25	3.84E-04	1.21E-07	5.14E-08	4.14E-04	1.31E-07	5.55E-08	6.59E-04	2.08E-07	8.83E-08
3844	478363.09, 3852877.25	3.21E-04	1.01E-07	4.30E-08	3.47E-04	1.09E-07	4.64E-08	5.53E-04	1.74E-07	7.40E-08
3845	478863.09, 3852877.25	3.80E-04	1.20E-07	5.09E-08	4.10E-04	1.29E-07	5.49E-08	6.54E-04	2.06E-07	8.76E-08
3846	479363.09, 3852877.25	5.29E-04	1.67E-07	7.08E-08	5.71E-04	1.80E-07	7.65E-08	9.07E-04	2.86E-07	1.22E-07
3847	479863.09, 3852877.25	9.99E-04	3.15E-07	1.34E-07	1.08E-03	3.40E-07	1.44E-07	1.71E-03	5.38E-07	2.28E-07
3848	480363.09, 3852877.25	1.44E-03	4.55E-07	1.93E-07	1.56E-03	4.91E-07	2.08E-07	2.46E-03	7.77E-07	3.30E-07
3849	480863.09, 3852877.25	1.53E-03	4.82E-07	2.05E-07	1.65E-03	5.20E-07	2.21E-07	2.60E-03	8.19E-07	3.48E-07
3850	481363.09, 3852877.25	1.90E-03	6.01E-07	2.55E-07	2.05E-03	6.48E-07	2.75E-07	3.23E-03	1.02E-06	4.32E-07
3851	481863.09, 3852877.25	2.32E-03	7.32E-07	3.10E-07	2.50E-03	7.89E-07	3.35E-07	3.94E-03	1.24E-06	5.27E-07
3852	482363.09, 3852877.25	2.25E-03	7.09E-07	3.01E-07	2.42E-03	7.64E-07	3.24E-07	3.77E-03	1.19E-06	5.05E-07
3853	482863.09, 3852877.25	2.04E-03	6.45E-07	2.74E-07	2.20E-03	6.95E-07	2.95E-07	3.43E-03	1.08E-06	4.60E-07
3854	483363.09, 3852877.25	1.57E-03	4.95E-07	2.10E-07	1.69E-03	5.33E-07	2.26E-07	2.63E-03	8.30E-07	3.52E-07
3855	483863.09, 3852877.25	1.01E-03	3.17E-07	1.35E-07	1.08E-03	3.41E-07	1.45E-07	1.68E-03	5.30E-07	2.25E-07
3856	484363.09, 3852877.25	1.20E-03	3.77E-07	1.60E-07	1.29E-03	4.06E-07	1.72E-07	2.00E-03	6.30E-07	2.68E-07
3857	484863.09, 3852877.25	1.30E-03	4.10E-07	1.74E-07	1.40E-03	4.42E-07	1.88E-07	2.19E-03	6.90E-07	2.93E-07
3858	485363.09, 3852877.25	9.84E-04	3.11E-07	1.32E-07	1.06E-03	3.35E-07	1.42E-07	1.67E-03	5.27E-07	2.24E-07
3859	485863.09, 3852877.25	9.48E-04	2.99E-07	1.27E-07	1.02E-03	3.23E-07	1.37E-07	1.62E-03	5.12E-07	2.17E-07
3860	486363.09, 3852877.25	9.09E-04	2.87E-07	1.22E-07	9.82E-04	3.10E-07	1.31E-07	1.57E-03	4.95E-07	2.10E-07
3861	486863.09, 3852877.25	9.42E-04	2.97E-07	1.26E-07	1.02E-03	3.21E-07	1.36E-07	1.63E-03	5.14E-07	2.18E-07
3862	487363.09, 3852877.25	9.27E-04	2.93E-07	1.24E-07	1.00E-03	3.16E-07	1.34E-07	1.61E-03	5.07E-07	2.15E-07
3863	487863.09, 3852877.25	9.24E-04	2.92E-07	1.24E-07	9.99E-04	3.15E-07	1.34E-07	1.60E-03	5.05E-07	2.14E-07
3864	488363.09, 3852877.25	7.61E-04	2.40E-07	1.02E-07	8.23E-04	2.60E-07	1.10E-07	1.32E-03	4.17E-07	1.77E-07
3865	488863.09, 3852877.25	8.39E-04	2.65E-07	1.12E-07	9.07E-04	2.86E-07	1.21E-07	1.45E-03	4.59E-07	1.95E-07
3866	489363.09, 3852877.25	8.78E-04	2.77E-07	1.18E-07	9.49E-04	3.00E-07	1.27E-07	1.52E-03	4.80E-07	2.04E-07
3867	489863.09, 3852877.25	9.10E-04	2.87E-07	1.22E-07	9.83E-04	3.10E-07	1.32E-07	1.57E-03	4.96E-07	2.11E-07
3868	490363.09, 3852877.25	1.12E-03	3.54E-07	1.50E-07	1.21E-03	3.82E-07	1.62E-07	1.93E-03	6.10E-07	2.59E-07
3869	490863.09, 3852877.25	1.22E-03	3.86E-07	1.64E-07	1.32E-03	4.17E-07	1.77E-07	2.11E-03	6.65E-07	2.82E-07
3870	491363.09, 3852877.25	1.30E-03	4.11E-07	1.74E-07	1.41E-03	4.44E-07	1.88E-07	2.24E-03	7.08E-07	3.00E-07
3871	491863.09, 3852877.25	1.33E-03	4.19E-07	1.78E-07	1.43E-03	4.52E-07	1.92E-07	2.29E-03	7.21E-07	3.06E-07
3872	492363.09, 3852877.25	1.36E-03	4.30E-07	1.82E-07	1.47E-03	4.64E-07	1.97E-07	2.35E-03	7.41E-07	3.14E-07
3873	492863.09, 3852877.25	1.45E-03	4.57E-07	1.94E-07	1.56E-03	4.94E-07	2.10E-07	2.49E-03	7.87E-07	3.34E-07
3874	493363.09, 3852877.25	1.50E-03	4.75E-07	2.01E-07	1.62E-03	5.13E-07	2.18E-07	2.59E-03	8.17E-07	3.47E-07
3875	493863.09, 3852877.25	1.49E-03	4.69E-07	1.99E-07	1.60E-03	5.07E-07	2.15E-07	2.56E-03	8.08E-07	3.43E-07
3876	494363.09, 3852877.25	1.47E-03	4.65E-07	1.97E-07	1.59E-03	5.02E-07	2.13E-07	2.54E-03	8.00E-07	3.40E-07
3877	494863.09, 3852877.25	1.48E-03	4.68E-07	1.99E-07	1.60E-03	5.05E-07	2.14E-07	2.55E-03	8.06E-07	3.42E-07
3878	495363.09, 3852877.25	1.41E-03	4.44E-07	1.88E-07	1.52E-03	4.79E-07	2.03E-07	2.42E-03	7.65E-07	3.24E-07
3879	495863.09, 3852877.25	1.33E-03	4.20E-07	1.78E-07	1.44E-03	4.54E-07	1.93E-07	2.29E-03	7.24E-07	3.07E-07
3880	496363.09, 3852877.25	1.31E-03	4.12E-07	1.75E-07	1.41E-03	4.45E-07	1.89E-07	2.25E-03	7.10E-07	3.01E-07
3881	496863.09, 3852877.25	1.25E-03	3.94E-07	1.67E-07	1.35E-03	4.25E-07	1.80E-07	2.15E-03	6.78E-07	2.88E-07
3882	497363.09, 3852877.25	1.08E-03	3.42E-07	1.45E-07	1.17E-03	3.69E-07	1.57E-07	1.87E-03	5.89E-07	2.50E-07
3883	497863.09, 3852877.25	8.50E-04	2.68E-07	1.14E-07	9.18E-04	2.90E-07	1.23E-07	1.47E-03	4.62E-07	1.96E-07
3884	498363.09, 3852877.25	8.03E-04	2.53E-07	1.08E-07	8.67E-04	2.74E-07	1.16E-07	1.38E-03	4.37E-07	1.85E-07
3885	471363.09, 3853377.25	2.88E-04	9.09E-08	3.86E-08	3.11E-04	9.81E-08	4.16E-08	4.95E-04	1.56E-07	6.62E-08
3886	471863.09, 3853377.25	3.15E-04	9.94E-08	4.22E-08	3.40E-04	1.07E-07	4.55E-08	5.41E-04	1.71E-07	7.24E-08
3887	472363.09, 3853377.25	3.45E-04	1.09E-07	4.62E-08	3.72E-04	1.18E-07	4.99E-08	5.92E-04	1.87E-07	7.93E-08
3888	472863.09, 3853377.25	3.76E-04	1.19E-07	5.03E-08	4.06E-04	1.28E-07	5.44E-08	6.45E-04	2.04E-07	8.64E-08
3889	473363.09, 3853377.25	4.02E-04	1.27E-07	5.38E-08	4.34E-04	1.37E-07	5.81E-08	6.90E-04	2.18E-07	9.24E-08
3890	473863.09, 3853377.25	4.32E-04	1.36E-07	5.78E-08	4.66E-04	1.47E-07	6.24E-08	7.41E-04	2.34E-07	9.92E-08
3891	474363.09, 3853377.25	4.62E-04	1.46E-07	6.19E-08	4.99E-04	1.57E-07	6.68E-08	7.93E-04	2.50E-07	1.06E-07
3892	474863.09, 3853377.25	4.59E-04	1.45E-07	6.14E-08	4.95E-04	1.56E-07	6.63E-08	7.86E-04	2.48E-07	1.05E-07
3893	475363.09, 3853377.25	4.66E-04	1.47E-07	6.24E-08	5.03E-04	1.59E-07	6.73E-08	7.98E-04	2.52E-07	1.07E-07
3894	475863.09, 3853377.25	4.68E-04	1.48E-07	6.26E-08	5.05E-04	1.59E-07	6.76E-08	8.01E-04	2.53E-07	1.07E-07
3895	476363.09, 3853377.25	4.34E-04	1.37E-07	5.81E-08	4.68E-04	1.48E-07	6.27E-08	7.43E-04	2.35E-07	9.95E-08
3896	476863.09, 3853377.25	3.73E-04	1.18E-07	5.00E-08	4.03E-04	1.27E-07	5.40E-08	6.41E-04	2.02E-07	8.58E-08
3897	477363.09, 3853377.25	3.71E-04	1.17E-07	4.97E-08	4.00E-04	1.26E-07	5.36E-08	6.37E-04	2.01E-07	8.53E-08
3898	477863.09, 3853377.25	3.88E-04	1.23E-07	5.20E-08	4.19E-04	1.32E-07	5.61E-08	6.67E-04	2.11E-07	8.93E-08
3899	478363.09, 3853377.25	3.52E-04	1.11E-07	4.71E-08	3.80E-04	1.20E-07	5.09E-08	6.06E-04	1.91E-07	8.12E-08
3900	478863.09, 3853377.25	2.95E-04	9.33E-08	3.96E-08	3.19E-04	1.01E-07	4.28E-08	5.11E-04	1.61E-07	6.84E-08

3901	479363.09, 3853377.25	4.65E-04	1.47E-07	6.23E-08	5.03E-04	1.59E-07	6.73E-08	8.01E-04	2.53E-07	1.07E-07
3902	479863.09, 3853377.25	7.10E-04	2.24E-07	9.50E-08	7.66E-04	2.42E-07	1.03E-07	1.22E-03	3.84E-07	1.63E-07
3903	480363.09, 3853377.25	1.36E-03	4.28E-07	1.82E-07	1.46E-03	4.62E-07	1.96E-07	2.32E-03	7.33E-07	3.11E-07
3904	480863.09, 3853377.25	1.39E-03	4.40E-07	1.87E-07	1.50E-03	4.75E-07	2.01E-07	2.38E-03	7.51E-07	3.19E-07
3905	481363.09, 3853377.25	2.08E-03	6.55E-07	2.78E-07	2.24E-03	7.07E-07	3.00E-07	3.55E-03	1.12E-06	4.75E-07
3906	481863.09, 3853377.25	2.91E-03	9.19E-07	3.90E-07	3.14E-03	9.91E-07	4.20E-07	4.94E-03	1.56E-06	6.61E-07
3907	482363.09, 3853377.25	3.72E-03	1.18E-06	4.99E-07	4.01E-03	1.26E-06	5.37E-07	6.24E-03	1.97E-06	8.36E-07
3908	482863.09, 3853377.25	3.88E-03	1.23E-06	5.20E-07	4.16E-03	1.31E-06	5.57E-07	6.22E-03	1.96E-06	8.33E-07
3909	483363.09, 3853377.25	3.25E-03	1.03E-06	4.35E-07	3.48E-03	1.10E-06	4.65E-07	5.15E-03	1.62E-06	6.89E-07
3910	483863.09, 3853377.25	2.69E-03	8.50E-07	3.60E-07	2.89E-03	9.12E-07	3.87E-07	4.39E-03	1.39E-06	5.88E-07
3911	484363.09, 3853377.25	2.65E-03	8.37E-07	3.55E-07	2.85E-03	9.00E-07	3.82E-07	4.44E-03	1.40E-06	5.94E-07
3912	484863.09, 3853377.25	2.07E-03	6.53E-07	2.77E-07	2.23E-03	7.04E-07	2.99E-07	3.52E-03	1.11E-06	4.72E-07
3913	485363.09, 3853377.25	1.49E-03	4.71E-07	2.00E-07	1.61E-03	5.09E-07	2.16E-07	2.58E-03	8.15E-07	3.46E-07
3914	485863.09, 3853377.25	1.26E-03	3.98E-07	1.69E-07	1.37E-03	4.31E-07	1.83E-07	2.20E-03	6.94E-07	2.94E-07
3915	486363.09, 3853377.25	1.37E-03	4.31E-07	1.83E-07	1.48E-03	4.66E-07	1.98E-07	2.38E-03	7.50E-07	3.18E-07
3916	486863.09, 3853377.25	1.43E-03	4.51E-07	1.91E-07	1.54E-03	4.88E-07	2.07E-07	2.48E-03	7.83E-07	3.32E-07
3917	487363.09, 3853377.25	1.54E-03	4.87E-07	2.07E-07	1.67E-03	5.26E-07	2.23E-07	2.67E-03	8.44E-07	3.58E-07
3918	487863.09, 3853377.25	1.62E-03	5.10E-07	2.16E-07	1.75E-03	5.51E-07	2.34E-07	2.79E-03	8.82E-07	3.74E-07
3919	488363.09, 3853377.25	1.71E-03	5.41E-07	2.29E-07	1.85E-03	5.84E-07	2.48E-07	2.96E-03	9.33E-07	3.96E-07
3920	488863.09, 3853377.25	1.72E-03	5.44E-07	2.31E-07	1.86E-03	5.88E-07	2.49E-07	2.97E-03	9.38E-07	3.98E-07
3921	489363.09, 3853377.25	1.73E-03	5.46E-07	2.32E-07	1.87E-03	5.89E-07	2.50E-07	2.98E-03	9.40E-07	3.99E-07
3922	489863.09, 3853377.25	1.68E-03	5.32E-07	2.26E-07	1.82E-03	5.74E-07	2.44E-07	2.90E-03	9.16E-07	3.89E-07
3923	490363.09, 3853377.25	1.78E-03	5.62E-07	2.38E-07	1.92E-03	6.07E-07	2.57E-07	3.07E-03	9.67E-07	4.10E-07
3924	490863.09, 3853377.25	1.83E-03	5.76E-07	2.45E-07	1.97E-03	6.22E-07	2.64E-07	3.14E-03	9.92E-07	4.21E-07
3925	491363.09, 3853377.25	1.87E-03	5.90E-07	2.50E-07	2.02E-03	6.37E-07	2.70E-07	3.22E-03	1.02E-06	4.31E-07
3926	491863.09, 3853377.25	1.90E-03	6.01E-07	2.55E-07	2.05E-03	6.49E-07	2.75E-07	3.27E-03	1.03E-06	4.38E-07
3927	492363.09, 3853377.25	1.98E-03	6.24E-07	2.65E-07	2.13E-03	6.74E-07	2.86E-07	3.40E-03	1.07E-06	4.55E-07
3928	492863.09, 3853377.25	2.04E-03	6.43E-07	2.73E-07	2.20E-03	6.95E-07	2.95E-07	3.51E-03	1.11E-06	4.70E-07
3929	493363.09, 3853377.25	2.03E-03	6.40E-07	2.72E-07	2.19E-03	6.92E-07	2.93E-07	3.49E-03	1.10E-06	4.68E-07
3930	493863.09, 3853377.25	1.99E-03	6.29E-07	2.67E-07	2.15E-03	6.79E-07	2.88E-07	3.43E-03	1.08E-06	4.60E-07
3931	494363.09, 3853377.25	1.90E-03	6.00E-07	2.55E-07	2.05E-03	6.48E-07	2.75E-07	3.28E-03	1.03E-06	4.39E-07
3932	494863.09, 3853377.25	1.78E-03	5.63E-07	2.39E-07	1.93E-03	6.08E-07	2.58E-07	3.07E-03	9.70E-07	4.11E-07
3933	495363.09, 3853377.25	1.72E-03	5.44E-07	2.31E-07	1.86E-03	5.87E-07	2.49E-07	2.97E-03	9.37E-07	3.97E-07
3934	495863.09, 3853377.25	1.63E-03	5.14E-07	2.18E-07	1.76E-03	5.55E-07	2.36E-07	2.81E-03	8.86E-07	3.76E-07
3935	496363.09, 3853377.25	1.50E-03	4.75E-07	2.01E-07	1.62E-03	5.13E-07	2.18E-07	2.59E-03	8.18E-07	3.47E-07
3936	496863.09, 3853377.25	1.33E-03	4.20E-07	1.78E-07	1.44E-03	4.53E-07	1.92E-07	2.29E-03	7.23E-07	3.07E-07
3937	497363.09, 3853377.25	1.13E-03	3.56E-07	1.51E-07	1.22E-03	3.85E-07	1.63E-07	1.94E-03	6.14E-07	2.60E-07
3938	497863.09, 3853377.25	7.99E-04	2.52E-07	1.07E-07	8.63E-04	2.72E-07	1.16E-07	1.38E-03	4.35E-07	1.84E-07
3939	498363.09, 3853377.25	6.47E-04	2.04E-07	8.66E-08	6.99E-04	2.21E-07	9.36E-08	1.12E-03	3.52E-07	1.49E-07
3940	471363.09, 3853877.25	2.99E-04	9.43E-08	4.00E-08	3.23E-04	1.02E-07	4.32E-08	5.14E-04	1.62E-07	6.88E-08
3941	471863.09, 3853877.25	3.29E-04	1.04E-07	4.40E-08	3.55E-04	1.12E-07	4.75E-08	5.65E-04	1.78E-07	7.56E-08
3942	472363.09, 3853877.25	3.48E-04	1.10E-07	4.66E-08	3.76E-04	1.19E-07	5.04E-08	5.99E-04	1.89E-07	8.02E-08
3943	472863.09, 3853877.25	3.75E-04	1.18E-07	5.02E-08	4.05E-04	1.28E-07	5.42E-08	6.44E-04	2.03E-07	8.62E-08
3944	473363.09, 3853877.25	3.93E-04	1.24E-07	5.27E-08	4.25E-04	1.34E-07	5.69E-08	6.76E-04	2.13E-07	9.05E-08
3945	473863.09, 3853877.25	4.15E-04	1.31E-07	5.56E-08	4.48E-04	1.41E-07	6.00E-08	7.13E-04	2.25E-07	9.55E-08
3946	474363.09, 3853877.25	4.47E-04	1.41E-07	5.98E-08	4.82E-04	1.52E-07	6.46E-08	7.67E-04	2.42E-07	1.03E-07
3947	474863.09, 3853877.25	4.73E-04	1.49E-07	6.34E-08	5.11E-04	1.61E-07	6.84E-08	8.12E-04	2.56E-07	1.09E-07
3948	475363.09, 3853877.25	4.63E-04	1.46E-07	6.20E-08	5.00E-04	1.58E-07	6.69E-08	7.94E-04	2.51E-07	1.06E-07
3949	475863.09, 3853877.25	4.04E-04	1.27E-07	5.41E-08	4.36E-04	1.38E-07	5.84E-08	6.93E-04	2.19E-07	9.28E-08
3950	476363.09, 3853877.25	3.51E-04	1.11E-07	4.70E-08	3.79E-04	1.20E-07	5.08E-08	6.04E-04	1.91E-07	8.08E-08
3951	476863.09, 3853877.25	2.92E-04	9.22E-08	3.91E-08	3.15E-04	9.96E-08	4.22E-08	5.03E-04	1.59E-07	6.74E-08
3952	477363.09, 3853877.25	3.19E-04	1.01E-07	4.27E-08	3.44E-04	1.09E-07	4.61E-08	5.49E-04	1.73E-07	7.35E-08
3953	477863.09, 3853877.25	3.65E-04	1.15E-07	4.89E-08	3.94E-04	1.24E-07	5.28E-08	6.28E-04	1.98E-07	8.42E-08
3954	478363.09, 3853877.25	3.91E-04	1.23E-07	5.23E-08	4.22E-04	1.33E-07	5.65E-08	6.72E-04	2.12E-07	9.00E-08
3955	478863.09, 3853877.25	3.06E-04	9.66E-08	4.10E-08	3.31E-04	1.04E-07	4.43E-08	5.29E-04	1.67E-07	7.08E-08
3956	479363.09, 3853877.25	4.09E-04	1.29E-07	5.47E-08	4.41E-04	1.39E-07	5.91E-08	7.05E-04	2.22E-07	9.44E-08
3957	479863.09, 3853877.25	7.26E-04	2.29E-07	9.72E-08	7.84E-04	2.47E-07	1.05E-07	1.25E-03	3.93E-07	1.67E-07
3958	480363.09, 3853877.25	1.10E-03	3.47E-07	1.47E-07	1.19E-03	3.74E-07	1.59E-07	1.88E-03	5.94E-07	2.52E-07
3959	480863.09, 3853877.25	1.99E-03	6.28E-07	2.66E-07	2.15E-03	6.78E-07	2.88E-07	3.41E-03	1.08E-06	4.57E-07
3960	481363.09, 3853877.25	2.85E-03	9.00E-07	3.82E-07	3.08E-03	9.72E-07	4.12E-07	4.90E-03	1.55E-06	6.57E-07
3961	481863.09, 3853877.25	4.10E-03	1.29E-06	5.49E-07	4.43E-03	1.40E-06	5.93E-07	7.05E-03	2.23E-06	9.45E-07

3962	482363.09, 3853877.25	6.10E-03	1.93E-06	8.17E-07	6.59E-03	2.08E-06	8.83E-07	1.05E-02	3.32E-06	1.41E-06
3963	482863.09, 3853877.25	2.88E-02	9.10E-06	3.86E-06	3.15E-02	9.95E-06	4.22E-06	5.46E-02	1.72E-05	7.31E-06
3964	483363.09, 3853877.25	1.11E-02	3.50E-06	1.49E-06	1.20E-02	3.79E-06	1.61E-06	1.93E-02	6.08E-06	2.58E-06
3965	483863.09, 3853877.25	7.82E-03	2.47E-06	1.05E-06	8.47E-03	2.67E-06	1.13E-06	1.37E-02	4.32E-06	1.84E-06
3966	484363.09, 3853877.25	5.25E-03	1.66E-06	7.02E-07	5.68E-03	1.79E-06	7.61E-07	9.21E-03	2.91E-06	1.23E-06
3967	484863.09, 3853877.25	3.62E-03	1.14E-06	4.85E-07	3.92E-03	1.24E-06	5.25E-07	6.38E-03	2.01E-06	8.54E-07
3968	485363.09, 3853877.25	2.54E-03	8.02E-07	3.40E-07	2.75E-03	8.69E-07	3.69E-07	4.48E-03	1.41E-06	5.99E-07
3969	485863.09, 3853877.25	2.73E-03	8.63E-07	3.66E-07	2.96E-03	9.34E-07	3.96E-07	4.78E-03	1.51E-06	6.40E-07
3970	486363.09, 3853877.25	2.67E-03	8.43E-07	3.58E-07	2.89E-03	9.11E-07	3.87E-07	4.64E-03	1.47E-06	6.22E-07
3971	486863.09, 3853877.25	2.54E-03	8.02E-07	3.40E-07	2.75E-03	8.66E-07	3.68E-07	4.40E-03	1.39E-06	5.90E-07
3972	487363.09, 3853877.25	2.61E-03	8.25E-07	3.50E-07	2.82E-03	8.91E-07	3.78E-07	4.51E-03	1.42E-06	6.04E-07
3973	487863.09, 3853877.25	2.85E-03	8.99E-07	3.82E-07	3.08E-03	9.71E-07	4.12E-07	4.91E-03	1.55E-06	6.57E-07
3974	488363.09, 3853877.25	2.90E-03	9.16E-07	3.89E-07	3.13E-03	9.89E-07	4.20E-07	4.99E-03	1.58E-06	6.69E-07
3975	488863.09, 3853877.25	3.03E-03	9.57E-07	4.06E-07	3.27E-03	1.03E-06	4.39E-07	5.21E-03	1.65E-06	6.98E-07
3976	489363.09, 3853877.25	2.84E-03	8.97E-07	3.81E-07	3.07E-03	9.68E-07	4.11E-07	4.88E-03	1.54E-06	6.54E-07
3977	489863.09, 3853877.25	2.85E-03	8.99E-07	3.81E-07	3.08E-03	9.71E-07	4.12E-07	4.90E-03	1.55E-06	6.56E-07
3978	490363.09, 3853877.25	2.76E-03	8.72E-07	3.70E-07	2.98E-03	9.41E-07	3.99E-07	4.75E-03	1.50E-06	6.36E-07
3979	490863.09, 3853877.25	2.74E-03	8.64E-07	3.66E-07	2.95E-03	9.32E-07	3.96E-07	4.70E-03	1.48E-06	6.30E-07
3980	491363.09, 3853877.25	2.72E-03	8.60E-07	3.65E-07	2.94E-03	9.28E-07	3.94E-07	4.68E-03	1.48E-06	6.27E-07
3981	491863.09, 3853877.25	2.70E-03	8.52E-07	3.62E-07	2.92E-03	9.20E-07	3.91E-07	4.64E-03	1.47E-06	6.22E-07
3982	492363.09, 3853877.25	2.77E-03	8.73E-07	3.70E-07	2.99E-03	9.43E-07	4.00E-07	4.76E-03	1.50E-06	6.37E-07
3983	492863.09, 3853877.25	2.76E-03	8.72E-07	3.70E-07	2.98E-03	9.41E-07	3.99E-07	4.75E-03	1.50E-06	6.37E-07
3984	493363.09, 3853877.25	2.66E-03	8.40E-07	3.56E-07	2.88E-03	9.07E-07	3.85E-07	4.58E-03	1.45E-06	6.14E-07
3985	493863.09, 3853877.25	2.53E-03	7.98E-07	3.39E-07	2.73E-03	8.62E-07	3.66E-07	4.36E-03	1.38E-06	5.83E-07
3986	494363.09, 3853877.25	2.42E-03	7.65E-07	3.25E-07	2.62E-03	8.27E-07	3.51E-07	4.18E-03	1.32E-06	5.59E-07
3987	494863.09, 3853877.25	2.27E-03	7.16E-07	3.04E-07	2.45E-03	7.73E-07	3.28E-07	3.91E-03	1.23E-06	5.23E-07
3988	495363.09, 3853877.25	1.97E-03	6.21E-07	2.63E-07	2.12E-03	6.71E-07	2.85E-07	3.39E-03	1.07E-06	4.54E-07
3989	495863.09, 3853877.25	1.74E-03	5.50E-07	2.33E-07	1.88E-03	5.94E-07	2.52E-07	3.00E-03	9.47E-07	4.02E-07
3990	496363.09, 3853877.25	1.60E-03	5.04E-07	2.14E-07	1.73E-03	5.45E-07	2.31E-07	2.75E-03	8.69E-07	3.69E-07
3991	496863.09, 3853877.25	1.37E-03	4.31E-07	1.83E-07	1.47E-03	4.66E-07	1.98E-07	2.35E-03	7.43E-07	3.15E-07
3992	497363.09, 3853877.25	1.18E-03	3.74E-07	1.59E-07	1.28E-03	4.04E-07	1.71E-07	2.04E-03	6.44E-07	2.73E-07
3993	497863.09, 3853877.25	9.58E-04	3.02E-07	1.28E-07	1.03E-03	3.27E-07	1.39E-07	1.65E-03	5.21E-07	2.21E-07
3994	498363.09, 3853877.25	8.27E-04	2.61E-07	1.11E-07	8.93E-04	2.82E-07	1.20E-07	1.43E-03	4.50E-07	1.91E-07
3995	471363.09, 3854377.25	3.10E-04	9.79E-08	4.15E-08	3.35E-04	1.06E-07	4.49E-08	5.33E-04	1.68E-07	7.14E-08
3996	471863.09, 3854377.25	3.42E-04	1.08E-07	4.58E-08	3.69E-04	1.16E-07	4.94E-08	5.87E-04	1.85E-07	7.86E-08
3997	472363.09, 3854377.25	3.65E-04	1.15E-07	4.88E-08	3.94E-04	1.24E-07	5.27E-08	6.26E-04	1.98E-07	8.38E-08
3998	472863.09, 3854377.25	3.82E-04	1.20E-07	5.11E-08	4.12E-04	1.30E-07	5.52E-08	6.55E-04	2.07E-07	8.77E-08
3999	473363.09, 3854377.25	4.07E-04	1.28E-07	5.45E-08	4.39E-04	1.39E-07	5.88E-08	6.98E-04	2.20E-07	9.34E-08
4000	473863.09, 3854377.25	4.39E-04	1.38E-07	5.87E-08	4.74E-04	1.49E-07	6.34E-08	7.52E-04	2.37E-07	1.01E-07
4001	474363.09, 3854377.25	4.73E-04	1.49E-07	6.34E-08	5.11E-04	1.61E-07	6.84E-08	8.12E-04	2.56E-07	1.09E-07
4002	474863.09, 3854377.25	4.56E-04	1.44E-07	6.10E-08	4.92E-04	1.55E-07	6.59E-08	7.82E-04	2.47E-07	1.05E-07
4003	475363.09, 3854377.25	3.98E-04	1.26E-07	5.33E-08	4.30E-04	1.36E-07	5.76E-08	6.83E-04	2.16E-07	9.15E-08
4004	475863.09, 3854377.25	2.95E-04	9.32E-08	3.96E-08	3.19E-04	1.01E-07	4.27E-08	5.08E-04	1.60E-07	6.80E-08
4005	476363.09, 3854377.25	2.78E-04	8.77E-08	3.72E-08	3.00E-04	9.47E-08	4.02E-08	4.78E-04	1.51E-07	6.40E-08
4006	476863.09, 3854377.25	2.77E-04	8.75E-08	3.71E-08	3.00E-04	9.45E-08	4.01E-08	4.78E-04	1.51E-07	6.40E-08
4007	477363.09, 3854377.25	2.84E-04	8.95E-08	3.80E-08	3.06E-04	9.67E-08	4.10E-08	4.89E-04	1.54E-07	6.55E-08
4008	477863.09, 3854377.25	2.96E-04	9.34E-08	3.96E-08	3.20E-04	1.01E-07	4.28E-08	5.10E-04	1.61E-07	6.83E-08
4009	478363.09, 3854377.25	3.45E-04	1.09E-07	4.62E-08	3.72E-04	1.18E-07	4.99E-08	5.94E-04	1.87E-07	7.95E-08
4010	478863.09, 3854377.25	3.80E-04	1.20E-07	5.09E-08	4.10E-04	1.30E-07	5.50E-08	6.54E-04	2.07E-07	8.76E-08
4011	479363.09, 3854377.25	5.63E-04	1.78E-07	7.55E-08	6.08E-04	1.92E-07	8.15E-08	9.68E-04	3.05E-07	1.30E-07
4012	479863.09, 3854377.25	7.36E-04	2.32E-07	9.86E-08	7.95E-04	2.51E-07	1.06E-07	1.26E-03	3.98E-07	1.69E-07
4013	480363.09, 3854377.25	1.06E-03	3.36E-07	1.42E-07	1.15E-03	3.62E-07	1.54E-07	1.82E-03	5.74E-07	2.44E-07
4014	480863.09, 3854377.25	1.81E-03	5.72E-07	2.43E-07	1.96E-03	6.18E-07	2.62E-07	3.09E-03	9.77E-07	4.14E-07
4015	481363.09, 3854377.25	3.06E-03	9.66E-07	4.10E-07	3.30E-03	1.04E-06	4.43E-07	5.24E-03	1.66E-06	7.02E-07
4016	481863.09, 3854377.25	5.49E-03	1.73E-06	7.35E-07	5.93E-03	1.87E-06	7.94E-07	9.51E-03	3.00E-06	1.27E-06
4017	482363.09, 3854377.25	8.76E-03	2.76E-06	1.17E-06	9.48E-03	2.99E-06	1.27E-06	1.54E-02	4.85E-06	2.06E-06
4018	482863.09, 3854377.25	3.48E-02	1.10E-05	4.66E-06	3.78E-02	1.19E-05	5.07E-06	6.29E-02	1.99E-05	8.42E-06
4019	483363.09, 3854377.25	3.77E-02	1.19E-05	5.04E-06	4.11E-02	1.30E-05	5.50E-06	7.02E-02	2.22E-05	9.40E-06
4020	483863.09, 3854377.25	1.56E-02	4.92E-06	2.09E-06	1.69E-02	5.34E-06	2.27E-06	2.80E-02	8.83E-06	3.74E-06
4021	484363.09, 3854377.25	9.01E-03	2.84E-06	1.21E-06	9.76E-03	3.08E-06	1.31E-06	1.59E-02	5.03E-06	2.14E-06
4022	484863.09, 3854377.25	6.13E-03	1.94E-06	8.21E-07	6.64E-03	2.10E-06	8.89E-07	1.08E-02	3.40E-06	1.44E-06

4023 485363.09, 3854377.25	6.55E-03	2.07E-06	8.77E-07	7.08E-03	2.23E-06	9.48E-07	1.13E-02	3.58E-06	1.52E-06
4024 485863.09, 3854377.25	5.11E-03	1.61E-06	6.84E-07	5.52E-03	1.74E-06	7.39E-07	8.83E-03	2.79E-06	1.18E-06
4025 486363.09, 3854377.25	5.08E-03	1.60E-06	6.81E-07	5.49E-03	1.73E-06	7.35E-07	8.74E-03	2.76E-06	1.17E-06
4026 486863.09, 3854377.25	4.60E-03	1.45E-06	6.16E-07	4.97E-03	1.57E-06	6.65E-07	7.90E-03	2.49E-06	1.06E-06
4027 487363.09, 3854377.25	4.58E-03	1.44E-06	6.13E-07	4.94E-03	1.56E-06	6.61E-07	7.84E-03	2.48E-06	1.05E-06
4028 487863.09, 3854377.25	4.72E-03	1.49E-06	6.32E-07	5.10E-03	1.61E-06	6.83E-07	8.09E-03	2.55E-06	1.08E-06
4029 488363.09, 3854377.25	4.71E-03	1.49E-06	6.30E-07	5.08E-03	1.60E-06	6.80E-07	8.07E-03	2.55E-06	1.08E-06
4030 488863.09, 3854377.25	4.65E-03	1.47E-06	6.23E-07	5.02E-03	1.59E-06	6.73E-07	7.98E-03	2.52E-06	1.07E-06
4031 489363.09, 3854377.25	4.53E-03	1.43E-06	6.06E-07	4.89E-03	1.54E-06	6.54E-07	7.77E-03	2.45E-06	1.04E-06
4032 489863.09, 3854377.25	4.34E-03	1.37E-06	5.82E-07	4.69E-03	1.48E-06	6.28E-07	7.46E-03	2.35E-06	9.99E-07
4033 490363.09, 3854377.25	4.11E-03	1.30E-06	5.50E-07	4.44E-03	1.40E-06	5.94E-07	7.06E-03	2.23E-06	9.45E-07
4034 490863.09, 3854377.25	3.38E-03	1.07E-06	4.52E-07	3.64E-03	1.15E-06	4.88E-07	5.79E-03	1.83E-06	7.76E-07
4035 491363.09, 3854377.25	3.61E-03	1.14E-06	4.83E-07	3.89E-03	1.23E-06	5.22E-07	6.20E-03	1.96E-06	8.30E-07
4036 491863.09, 3854377.25	3.74E-03	1.18E-06	5.01E-07	4.04E-03	1.28E-06	5.41E-07	6.43E-03	2.03E-06	8.62E-07
4037 492363.09, 3854377.25	3.71E-03	1.17E-06	4.97E-07	4.01E-03	1.27E-06	5.37E-07	6.39E-03	2.02E-06	8.56E-07
4038 492863.09, 3854377.25	3.56E-03	1.12E-06	4.77E-07	3.84E-03	1.21E-06	5.15E-07	6.13E-03	1.93E-06	8.21E-07
4039 493363.09, 3854377.25	3.34E-03	1.05E-06	4.47E-07	3.61E-03	1.14E-06	4.83E-07	5.75E-03	1.82E-06	7.70E-07
4040 493863.09, 3854377.25	3.12E-03	9.84E-07	4.18E-07	3.37E-03	1.06E-06	4.51E-07	5.37E-03	1.70E-06	7.19E-07
4041 494363.09, 3854377.25	2.91E-03	9.19E-07	3.90E-07	3.15E-03	9.93E-07	4.21E-07	5.02E-03	1.58E-06	6.72E-07
4042 494863.09, 3854377.25	2.39E-03	7.54E-07	3.20E-07	2.58E-03	8.14E-07	3.45E-07	4.11E-03	1.30E-06	5.51E-07
4043 495363.09, 3854377.25	1.92E-03	6.05E-07	2.57E-07	2.07E-03	6.54E-07	2.77E-07	3.30E-03	1.04E-06	4.42E-07
4044 495863.09, 3854377.25	1.63E-03	5.13E-07	2.18E-07	1.76E-03	5.54E-07	2.35E-07	2.80E-03	8.83E-07	3.75E-07
4045 496363.09, 3854377.25	1.48E-03	4.68E-07	1.99E-07	1.60E-03	5.06E-07	2.15E-07	2.56E-03	8.06E-07	3.42E-07
4046 496863.09, 3854377.25	1.31E-03	4.13E-07	1.75E-07	1.41E-03	4.46E-07	1.89E-07	2.25E-03	7.11E-07	3.02E-07
4047 497363.09, 3854377.25	1.06E-03	3.34E-07	1.42E-07	1.14E-03	3.61E-07	1.53E-07	1.82E-03	5.75E-07	2.44E-07
4048 497863.09, 3854377.25	1.07E-03	3.38E-07	1.44E-07	1.16E-03	3.66E-07	1.55E-07	1.85E-03	5.83E-07	2.47E-07
4049 498363.09, 3854377.25	9.36E-04	2.95E-07	1.25E-07	1.01E-03	3.19E-07	1.35E-07	1.61E-03	5.09E-07	2.16E-07
4050 471363.09, 3854877.25	3.16E-04	9.97E-08	4.23E-08	3.41E-04	1.08E-07	4.57E-08	5.42E-04	1.71E-07	7.26E-08
4051 471863.09, 3854877.25	3.42E-04	1.08E-07	4.58E-08	3.69E-04	1.16E-07	4.94E-08	5.86E-04	1.85E-07	7.85E-08
4052 472363.09, 3854877.25	3.65E-04	1.15E-07	4.89E-08	3.94E-04	1.24E-07	5.28E-08	6.26E-04	1.98E-07	8.38E-08
4053 472863.09, 3854877.25	3.76E-04	1.19E-07	5.04E-08	4.06E-04	1.28E-07	5.44E-08	6.45E-04	2.04E-07	8.64E-08
4054 473363.09, 3854877.25	4.13E-04	1.30E-07	5.53E-08	4.46E-04	1.41E-07	5.97E-08	7.08E-04	2.23E-07	9.48E-08
4055 473863.09, 3854877.25	4.50E-04	1.42E-07	6.02E-08	4.86E-04	1.53E-07	6.50E-08	7.72E-04	2.44E-07	1.03E-07
4056 474363.09, 3854877.25	4.98E-04	1.57E-07	6.67E-08	5.38E-04	1.70E-07	7.20E-08	8.55E-04	2.70E-07	1.14E-07
4057 474863.09, 3854877.25	4.18E-04	1.32E-07	5.59E-08	4.51E-04	1.42E-07	6.04E-08	7.16E-04	2.26E-07	9.59E-08
4058 475363.09, 3854877.25	3.35E-04	1.06E-07	4.49E-08	3.62E-04	1.14E-07	4.85E-08	5.75E-04	1.81E-07	7.70E-08
4059 475863.09, 3854877.25	2.69E-04	8.48E-08	3.60E-08	2.90E-04	9.15E-08	3.88E-08	4.61E-04	1.46E-07	6.18E-08
4060 476363.09, 3854877.25	1.94E-04	6.11E-08	2.59E-08	2.09E-04	6.61E-08	2.80E-08	3.34E-04	1.05E-07	4.47E-08
4061 476863.09, 3854877.25	1.96E-04	6.20E-08	2.63E-08	2.12E-04	6.70E-08	2.84E-08	3.39E-04	1.07E-07	4.54E-08
4062 477363.09, 3854877.25	2.37E-04	7.46E-08	3.17E-08	2.55E-04	8.06E-08	3.42E-08	4.08E-04	1.29E-07	5.46E-08
4063 477863.09, 3854877.25	2.77E-04	8.74E-08	3.71E-08	2.99E-04	9.44E-08	4.00E-08	4.77E-04	1.50E-07	6.38E-08
4064 478363.09, 3854877.25	3.66E-04	1.16E-07	4.91E-08	3.96E-04	1.25E-07	5.30E-08	6.30E-04	1.99E-07	8.44E-08
4065 478863.09, 3854877.25	5.14E-04	1.62E-07	6.88E-08	5.54E-04	1.75E-07	7.42E-08	8.81E-04	2.78E-07	1.18E-07
4066 479363.09, 3854877.25	7.25E-04	2.29E-07	9.71E-08	7.83E-04	2.47E-07	1.05E-07	1.24E-03	3.92E-07	1.66E-07
4067 479863.09, 3854877.25	1.02E-03	3.22E-07	1.37E-07	1.10E-03	3.47E-07	1.47E-07	1.74E-03	5.49E-07	2.33E-07
4068 480363.09, 3854877.25	1.38E-03	4.36E-07	1.85E-07	1.49E-03	4.70E-07	2.00E-07	2.35E-03	7.43E-07	3.15E-07
4069 480863.09, 3854877.25	2.24E-03	7.07E-07	3.00E-07	2.42E-03	7.63E-07	3.24E-07	3.82E-03	1.21E-06	5.12E-07
4070 481363.09, 3854877.25	3.19E-03	1.01E-06	4.27E-07	3.44E-03	1.08E-06	4.60E-07	5.44E-03	1.72E-06	7.29E-07
4071 481863.09, 3854877.25	3.55E-03	1.12E-06	4.75E-07	3.83E-03	1.21E-06	5.13E-07	6.04E-03	1.91E-06	8.09E-07
4072 482363.09, 3854877.25	9.14E-03	2.88E-06	1.22E-06	9.88E-03	3.12E-06	1.32E-06	1.59E-02	5.00E-06	2.12E-06
4073 482863.09, 3854877.25	1.88E-02	5.93E-06	2.52E-06	2.03E-02	6.41E-06	2.72E-06	3.27E-02	1.03E-05	4.38E-06
4074 483363.09, 3854877.25	1.06E-01	3.36E-05	1.43E-05	1.15E-01	3.64E-05	1.55E-05	1.90E-01	5.99E-05	2.54E-05
4075 483863.09, 3854877.25	9.44E-02	2.98E-05	1.26E-05	1.01E-01	3.20E-05	1.36E-05	1.55E-01	4.88E-05	2.07E-05
4076 484363.09, 3854877.25	3.09E-02	9.75E-06	4.14E-06	3.32E-02	1.05E-05	4.45E-06	5.14E-02	1.62E-05	6.88E-06
4077 484863.09, 3854877.25	1.95E-02	6.16E-06	2.61E-06	2.10E-02	6.63E-06	2.81E-06	3.29E-02	1.04E-05	4.40E-06
4078 485363.09, 3854877.25	1.45E-02	4.59E-06	1.95E-06	1.57E-02	4.94E-06	2.10E-06	2.46E-02	7.76E-06	3.29E-06
4079 485863.09, 3854877.25	1.13E-02	3.56E-06	1.51E-06	1.22E-02	3.84E-06	1.63E-06	1.91E-02	6.04E-06	2.56E-06
4080 486363.09, 3854877.25	9.20E-03	2.90E-06	1.23E-06	9.92E-03	3.13E-06	1.33E-06	1.57E-02	4.94E-06	2.10E-06
4081 486863.09, 3854877.25	7.95E-03	2.51E-06	1.06E-06	8.58E-03	2.71E-06	1.15E-06	1.35E-02	4.28E-06	1.81E-06
4082 487363.09, 3854877.25	7.63E-03	2.41E-06	1.02E-06	8.24E-03	2.60E-06	1.10E-06	1.30E-02	4.11E-06	1.74E-06
4083 487863.09, 3854877.25	7.35E-03	2.32E-06	9.85E-07	7.93E-03	2.50E-06	1.06E-06	1.26E-02	3.97E-06	1.68E-06

4084	488363.09, 3854877.25	7.13E-03	2.25E-06	9.54E-07	7.69E-03	2.43E-06	1.03E-06	1.22E-02	3.85E-06	1.63E-06
4085	488863.09, 3854877.25	6.98E-03	2.20E-06	9.35E-07	7.53E-03	2.38E-06	1.01E-06	1.20E-02	3.78E-06	1.60E-06
4086	489363.09, 3854877.25	6.61E-03	2.09E-06	8.86E-07	7.14E-03	2.25E-06	9.56E-07	1.14E-02	3.58E-06	1.52E-06
4087	489863.09, 3854877.25	5.97E-03	1.88E-06	8.00E-07	6.45E-03	2.03E-06	8.63E-07	1.03E-02	3.24E-06	1.37E-06
4088	490363.09, 3854877.25	4.50E-03	1.42E-06	6.03E-07	4.86E-03	1.53E-06	6.51E-07	7.72E-03	2.44E-06	1.03E-06
4089	490863.09, 3854877.25	3.29E-03	1.04E-06	4.41E-07	3.55E-03	1.12E-06	4.76E-07	5.64E-03	1.78E-06	7.56E-07
4090	491363.09, 3854877.25	3.46E-03	1.09E-06	4.64E-07	3.74E-03	1.18E-06	5.01E-07	5.94E-03	1.88E-06	7.96E-07
4091	491863.09, 3854877.25	4.80E-03	1.51E-06	6.43E-07	5.18E-03	1.64E-06	6.94E-07	8.26E-03	2.61E-06	1.11E-06
4092	492363.09, 3854877.25	4.70E-03	1.48E-06	6.29E-07	5.07E-03	1.60E-06	6.79E-07	8.09E-03	2.55E-06	1.08E-06
4093	492863.09, 3854877.25	4.38E-03	1.38E-06	5.87E-07	4.73E-03	1.49E-06	6.34E-07	7.55E-03	2.38E-06	1.01E-06
4094	493363.09, 3854877.25	4.01E-03	1.26E-06	5.37E-07	4.33E-03	1.37E-06	5.80E-07	6.91E-03	2.18E-06	9.25E-07
4095	493863.09, 3854877.25	3.70E-03	1.17E-06	4.96E-07	4.00E-03	1.26E-06	5.35E-07	6.38E-03	2.01E-06	8.54E-07
4096	494363.09, 3854877.25	2.86E-03	9.03E-07	3.83E-07	3.09E-03	9.75E-07	4.14E-07	4.92E-03	1.55E-06	6.59E-07
4097	494863.09, 3854877.25	2.13E-03	6.72E-07	2.85E-07	2.30E-03	7.26E-07	3.08E-07	3.66E-03	1.16E-06	4.91E-07
4098	495363.09, 3854877.25	1.72E-03	5.44E-07	2.31E-07	1.86E-03	5.87E-07	2.49E-07	2.96E-03	9.35E-07	3.97E-07
4099	495863.09, 3854877.25	1.50E-03	4.73E-07	2.01E-07	1.62E-03	5.10E-07	2.17E-07	2.58E-03	8.13E-07	3.45E-07
4100	496363.09, 3854877.25	1.22E-03	3.87E-07	1.64E-07	1.32E-03	4.17E-07	1.77E-07	2.11E-03	6.65E-07	2.82E-07
4101	496863.09, 3854877.25	1.06E-03	3.34E-07	1.42E-07	1.14E-03	3.61E-07	1.53E-07	1.82E-03	5.76E-07	2.44E-07
4102	497363.09, 3854877.25	1.00E-03	3.16E-07	1.34E-07	1.08E-03	3.41E-07	1.45E-07	1.72E-03	5.43E-07	2.30E-07
4103	497863.09, 3854877.25	1.07E-03	3.38E-07	1.43E-07	1.15E-03	3.65E-07	1.55E-07	1.84E-03	5.81E-07	2.47E-07
4104	498363.09, 3854877.25	1.03E-03	3.24E-07	1.37E-07	1.11E-03	3.50E-07	1.48E-07	1.77E-03	5.58E-07	2.37E-07
4105	471363.09, 3855377.25	3.21E-04	1.01E-07	4.30E-08	3.46E-04	1.09E-07	4.64E-08	5.50E-04	1.74E-07	7.37E-08
4106	471863.09, 3855377.25	3.37E-04	1.06E-07	4.51E-08	3.64E-04	1.15E-07	4.87E-08	5.78E-04	1.82E-07	7.73E-08
4107	472363.09, 3855377.25	3.67E-04	1.16E-07	4.91E-08	3.96E-04	1.25E-07	5.30E-08	6.29E-04	1.98E-07	8.42E-08
4108	472863.09, 3855377.25	3.84E-04	1.21E-07	5.15E-08	4.15E-04	1.31E-07	5.56E-08	6.59E-04	2.08E-07	8.83E-08
4109	473363.09, 3855377.25	4.28E-04	1.35E-07	5.74E-08	4.62E-04	1.46E-07	6.19E-08	7.35E-04	2.32E-07	9.84E-08
4110	473863.09, 3855377.25	4.67E-04	1.48E-07	6.26E-08	5.05E-04	1.59E-07	6.76E-08	8.02E-04	2.53E-07	1.07E-07
4111	474363.09, 3855377.25	5.03E-04	1.59E-07	6.74E-08	5.43E-04	1.72E-07	7.28E-08	8.64E-04	2.73E-07	1.16E-07
4112	474863.09, 3855377.25	4.33E-04	1.37E-07	5.80E-08	4.67E-04	1.48E-07	6.26E-08	7.43E-04	2.34E-07	9.95E-08
4113	475363.09, 3855377.25	2.31E-04	7.29E-08	3.09E-08	2.49E-04	7.87E-08	3.34E-08	3.96E-04	1.25E-07	5.31E-08
4114	475863.09, 3855377.25	1.87E-04	5.90E-08	2.51E-08	2.02E-04	6.38E-08	2.71E-08	3.22E-04	1.02E-07	4.31E-08
4115	476363.09, 3855377.25	2.19E-04	6.90E-08	2.93E-08	2.36E-04	7.46E-08	3.16E-08	3.76E-04	1.19E-07	5.03E-08
4116	476863.09, 3855377.25	2.19E-04	6.91E-08	2.93E-08	2.37E-04	7.46E-08	3.17E-08	3.76E-04	1.19E-07	5.04E-08
4117	477363.09, 3855377.25	2.45E-04	7.73E-08	3.28E-08	2.65E-04	8.35E-08	3.54E-08	4.21E-04	1.33E-07	5.64E-08
4118	477863.09, 3855377.25	3.15E-04	9.95E-08	4.22E-08	3.40E-04	1.07E-07	4.56E-08	5.41E-04	1.71E-07	7.24E-08
4119	478363.09, 3855377.25	4.06E-04	1.28E-07	5.44E-08	4.38E-04	1.38E-07	5.87E-08	6.96E-04	2.20E-07	9.32E-08
4120	478863.09, 3855377.25	5.15E-04	1.62E-07	6.89E-08	5.56E-04	1.75E-07	7.44E-08	8.82E-04	2.78E-07	1.18E-07
4121	479363.09, 3855377.25	6.98E-04	2.20E-07	9.35E-08	7.54E-04	2.38E-07	1.01E-07	1.19E-03	3.77E-07	1.60E-07
4122	479863.09, 3855377.25	9.27E-04	2.93E-07	1.24E-07	1.00E-03	3.16E-07	1.34E-07	1.58E-03	5.00E-07	2.12E-07
4123	480363.09, 3855377.25	1.43E-03	4.52E-07	1.92E-07	1.55E-03	4.88E-07	2.07E-07	2.44E-03	7.71E-07	3.27E-07
4124	480863.09, 3855377.25	2.47E-03	7.80E-07	3.31E-07	2.67E-03	8.41E-07	3.57E-07	4.22E-03	1.33E-06	5.65E-07
4125	481363.09, 3855377.25	4.05E-03	1.28E-06	5.43E-07	4.38E-03	1.38E-06	5.86E-07	6.95E-03	2.19E-06	9.31E-07
4126	481863.09, 3855377.25	5.87E-03	1.85E-06	7.86E-07	6.34E-03	2.00E-06	8.49E-07	1.01E-02	3.18E-06	1.35E-06
4127	482363.09, 3855377.25	7.99E-03	2.52E-06	1.07E-06	8.63E-03	2.72E-06	1.16E-06	1.37E-02	4.33E-06	1.84E-06
4128	482863.09, 3855377.25	1.21E-02	3.81E-06	1.62E-06	1.30E-02	4.11E-06	1.74E-06	2.06E-02	6.52E-06	2.76E-06
4129	483363.09, 3855377.25	2.02E-02	6.38E-06	2.71E-06	2.18E-02	6.88E-06	2.92E-06	3.42E-02	1.08E-05	4.59E-06
4130	483863.09, 3855377.25	8.45E-02	2.67E-05	1.13E-05	9.11E-02	2.88E-05	1.22E-05	1.43E-01	4.52E-05	1.92E-05
4131	484363.09, 3855377.25	1.19E-01	3.75E-05	1.59E-05	1.27E-01	4.02E-05	1.71E-05	1.95E-01	6.15E-05	2.61E-05
4132	484863.09, 3855377.25	5.39E-02	1.70E-05	7.21E-06	5.80E-02	1.83E-05	7.76E-06	9.01E-02	2.84E-05	1.21E-05
4133	485363.09, 3855377.25	3.11E-02	9.82E-06	4.17E-06	3.35E-02	1.06E-05	4.49E-06	5.24E-02	1.65E-05	7.02E-06
4134	485863.09, 3855377.25	2.21E-02	6.98E-06	2.96E-06	2.39E-02	7.53E-06	3.19E-06	3.75E-02	1.18E-05	5.02E-06
4135	486363.09, 3855377.25	1.61E-02	5.09E-06	2.16E-06	1.74E-02	5.49E-06	2.33E-06	2.74E-02	8.64E-06	3.67E-06
4136	486863.09, 3855377.25	1.27E-02	4.00E-06	1.70E-06	1.37E-02	4.31E-06	1.83E-06	2.16E-02	6.80E-06	2.89E-06
4137	487363.09, 3855377.25	1.18E-02	3.72E-06	1.58E-06	1.27E-02	4.02E-06	1.70E-06	2.01E-02	6.36E-06	2.70E-06
4138	487863.09, 3855377.25	1.10E-02	3.48E-06	1.47E-06	1.19E-02	3.75E-06	1.59E-06	1.89E-02	5.95E-06	2.52E-06
4139	488363.09, 3855377.25	1.03E-02	3.27E-06	1.39E-06	1.12E-02	3.53E-06	1.50E-06	1.78E-02	5.60E-06	2.38E-06
4140	488863.09, 3855377.25	9.71E-03	3.06E-06	1.30E-06	1.05E-02	3.31E-06	1.40E-06	1.67E-02	5.26E-06	2.23E-06
4141	489363.09, 3855377.25	8.97E-03	2.83E-06	1.20E-06	9.69E-03	3.06E-06	1.30E-06	1.54E-02	4.87E-06	2.07E-06
4142	489863.09, 3855377.25	8.10E-03	2.56E-06	1.09E-06	8.75E-03	2.76E-06	1.17E-06	1.39E-02	4.40E-06	1.87E-06
4143	490363.09, 3855377.25	7.69E-03	2.43E-06	1.03E-06	8.31E-03	2.62E-06	1.11E-06	1.32E-02	4.18E-06	1.77E-06
4144	490863.09, 3855377.25	4.98E-03	1.57E-06	6.66E-07	5.37E-03	1.70E-06	7.19E-07	8.54E-03	2.70E-06	1.14E-06

4145 491363.09, 3855377.25	4.24E-03	1.34E-06	5.67E-07	4.57E-03	1.44E-06	6.12E-07	7.27E-03	2.30E-06	9.74E-07
4146 491863.09, 3855377.25	5.90E-03	1.86E-06	7.91E-07	6.38E-03	2.01E-06	8.54E-07	1.02E-02	3.21E-06	1.36E-06
4147 492363.09, 3855377.25	5.64E-03	1.78E-06	7.55E-07	6.09E-03	1.92E-06	8.16E-07	9.72E-03	3.07E-06	1.30E-06
4148 492863.09, 3855377.25	5.16E-03	1.63E-06	6.91E-07	5.58E-03	1.76E-06	7.47E-07	8.90E-03	2.81E-06	1.19E-06
4149 493363.09, 3855377.25	4.46E-03	1.41E-06	5.98E-07	4.82E-03	1.52E-06	6.46E-07	7.69E-03	2.43E-06	1.03E-06
4150 493863.09, 3855377.25	3.45E-03	1.09E-06	4.62E-07	3.72E-03	1.18E-06	4.99E-07	5.93E-03	1.87E-06	7.95E-07
4151 494363.09, 3855377.25	2.57E-03	8.12E-07	3.44E-07	2.78E-03	8.77E-07	3.72E-07	4.43E-03	1.40E-06	5.93E-07
4152 494863.09, 3855377.25	1.91E-03	6.04E-07	2.56E-07	2.07E-03	6.52E-07	2.77E-07	3.29E-03	1.04E-06	4.41E-07
4153 495363.09, 3855377.25	1.51E-03	4.75E-07	2.02E-07	1.63E-03	5.13E-07	2.18E-07	2.59E-03	8.18E-07	3.47E-07
4154 495863.09, 3855377.25	1.25E-03	3.93E-07	1.67E-07	1.35E-03	4.25E-07	1.80E-07	2.14E-03	6.76E-07	2.87E-07
4155 496363.09, 3855377.25	1.17E-03	3.69E-07	1.56E-07	1.26E-03	3.98E-07	1.69E-07	2.01E-03	6.34E-07	2.69E-07
4156 496863.09, 3855377.25	1.11E-03	3.50E-07	1.49E-07	1.20E-03	3.78E-07	1.60E-07	1.91E-03	6.03E-07	2.56E-07
4157 497363.09, 3855377.25	1.09E-03	3.45E-07	1.46E-07	1.18E-03	3.73E-07	1.58E-07	1.88E-03	5.94E-07	2.52E-07
4158 497863.09, 3855377.25	1.12E-03	3.53E-07	1.50E-07	1.21E-03	3.81E-07	1.62E-07	1.92E-03	6.08E-07	2.58E-07
4159 498363.09, 3855377.25	1.16E-03	3.65E-07	1.55E-07	1.25E-03	3.94E-07	1.67E-07	1.99E-03	6.28E-07	2.66E-07
4160 471363.09, 3855877.25	3.30E-04	1.04E-07	4.42E-08	3.56E-04	1.12E-07	4.77E-08	5.66E-04	1.79E-07	7.58E-08
4161 471863.09, 3855877.25	3.46E-04	1.09E-07	4.64E-08	3.74E-04	1.18E-07	5.00E-08	5.93E-04	1.87E-07	7.95E-08
4162 472363.09, 3855877.25	3.84E-04	1.21E-07	5.14E-08	4.14E-04	1.31E-07	5.54E-08	6.58E-04	2.08E-07	8.80E-08
4163 472863.09, 3855877.25	3.94E-04	1.24E-07	5.27E-08	4.25E-04	1.34E-07	5.69E-08	6.74E-04	2.13E-07	9.03E-08
4164 473363.09, 3855877.25	4.45E-04	1.40E-07	5.96E-08	4.80E-04	1.52E-07	6.43E-08	7.63E-04	2.41E-07	1.02E-07
4165 473863.09, 3855877.25	4.87E-04	1.54E-07	6.52E-08	5.25E-04	1.66E-07	7.03E-08	8.33E-04	2.63E-07	1.12E-07
4166 474363.09, 3855877.25	5.16E-04	1.63E-07	6.90E-08	5.56E-04	1.76E-07	7.45E-08	8.83E-04	2.79E-07	1.18E-07
4167 474863.09, 3855877.25	4.10E-04	1.29E-07	5.49E-08	4.43E-04	1.40E-07	5.93E-08	7.02E-04	2.22E-07	9.40E-08
4168 475363.09, 3855877.25	2.74E-04	8.64E-08	3.66E-08	2.95E-04	9.32E-08	3.96E-08	4.69E-04	1.48E-07	6.28E-08
4169 475863.09, 3855877.25	1.43E-04	4.51E-08	1.91E-08	1.54E-04	4.87E-08	2.07E-08	2.46E-04	7.75E-08	3.29E-08
4170 476363.09, 3855877.25	1.54E-04	4.87E-08	2.07E-08	1.67E-04	5.26E-08	2.23E-08	2.66E-04	8.38E-08	3.56E-08
4171 476863.09, 3855877.25	2.22E-04	6.99E-08	2.97E-08	2.39E-04	7.55E-08	3.20E-08	3.80E-04	1.20E-07	5.09E-08
4172 477363.09, 3855877.25	2.66E-04	8.41E-08	3.57E-08	2.88E-04	9.08E-08	3.85E-08	4.57E-04	1.44E-07	6.11E-08
4173 477863.09, 3855877.25	3.29E-04	1.04E-07	4.40E-08	3.55E-04	1.12E-07	4.75E-08	5.64E-04	1.78E-07	7.55E-08
4174 478363.09, 3855877.25	4.14E-04	1.31E-07	5.54E-08	4.47E-04	1.41E-07	5.98E-08	7.08E-04	2.23E-07	9.48E-08
4175 478863.09, 3855877.25	5.51E-04	1.74E-07	7.38E-08	5.94E-04	1.88E-07	7.96E-08	9.41E-04	2.97E-07	1.26E-07
4176 479363.09, 3855877.25	7.59E-04	2.39E-07	1.02E-07	8.18E-04	2.58E-07	1.10E-07	1.30E-03	4.09E-07	1.73E-07
4177 479863.09, 3855877.25	1.03E-03	3.26E-07	1.38E-07	1.11E-03	3.51E-07	1.49E-07	1.76E-03	5.55E-07	2.36E-07
4178 480363.09, 3855877.25	1.52E-03	4.80E-07	2.04E-07	1.64E-03	5.17E-07	2.20E-07	2.59E-03	8.18E-07	3.47E-07
4179 480863.09, 3855877.25	2.39E-03	7.55E-07	3.20E-07	2.58E-03	8.14E-07	3.45E-07	4.08E-03	1.29E-06	5.46E-07
4180 481363.09, 3855877.25	2.76E-03	8.70E-07	3.69E-07	2.97E-03	9.39E-07	3.98E-07	4.69E-03	1.48E-06	6.28E-07
4181 481863.09, 3855877.25	5.33E-03	1.68E-06	7.14E-07	5.76E-03	1.82E-06	7.71E-07	9.13E-03	2.88E-06	1.22E-06
4182 482363.09, 3855877.25	6.83E-03	2.16E-06	9.14E-07	7.37E-03	2.33E-06	9.87E-07	1.17E-02	3.68E-06	1.56E-06
4183 482863.09, 3855877.25	9.19E-03	2.90E-06	1.23E-06	9.91E-03	3.13E-06	1.33E-06	1.57E-02	4.94E-06	2.10E-06
4184 483363.09, 3855877.25	1.28E-02	4.04E-06	1.72E-06	1.38E-02	4.36E-06	1.85E-06	2.17E-02	6.85E-06	2.91E-06
4185 483863.09, 3855877.25	1.96E-02	6.20E-06	2.63E-06	2.12E-02	6.68E-06	2.83E-06	3.30E-02	1.04E-05	4.42E-06
4186 484363.09, 3855877.25	5.38E-02	1.70E-05	7.20E-06	5.78E-02	1.82E-05	7.74E-06	8.85E-02	2.79E-05	1.18E-05
4187 484863.09, 3855877.25	1.57E-01	4.94E-05	2.10E-05	1.69E-01	5.34E-05	2.26E-05	2.69E-01	8.48E-05	3.60E-05
4188 485363.09, 3855877.25	7.01E-02	2.21E-05	9.39E-06	7.57E-02	2.39E-05	1.01E-05	1.20E-01	3.80E-05	1.61E-05
4189 485863.09, 3855877.25	3.84E-02	1.21E-05	5.14E-06	4.14E-02	1.31E-05	5.55E-06	6.58E-02	2.08E-05	8.81E-06
4190 486363.09, 3855877.25	2.51E-02	7.93E-06	3.36E-06	2.71E-02	8.55E-06	3.63E-06	4.30E-02	1.36E-05	5.76E-06
4191 486863.09, 3855877.25	1.94E-02	6.12E-06	2.60E-06	2.09E-02	6.61E-06	2.80E-06	3.32E-02	1.05E-05	4.45E-06
4192 487363.09, 3855877.25	1.74E-02	5.49E-06	2.33E-06	1.88E-02	5.92E-06	2.51E-06	2.98E-02	9.42E-06	4.00E-06
4193 487863.09, 3855877.25	1.58E-02	4.98E-06	2.11E-06	1.70E-02	5.38E-06	2.28E-06	2.71E-02	8.56E-06	3.63E-06
4194 488363.09, 3855877.25	1.42E-02	4.48E-06	1.90E-06	1.53E-02	4.84E-06	2.05E-06	2.44E-02	7.71E-06	3.27E-06
4195 488863.09, 3855877.25	1.29E-02	4.07E-06	1.72E-06	1.39E-02	4.39E-06	1.86E-06	2.22E-02	7.00E-06	2.97E-06
4196 489363.09, 3855877.25	1.17E-02	3.68E-06	1.56E-06	1.26E-02	3.98E-06	1.69E-06	2.01E-02	6.34E-06	2.69E-06
4197 489863.09, 3855877.25	1.06E-02	3.34E-06	1.42E-06	1.14E-02	3.61E-06	1.53E-06	1.82E-02	5.75E-06	2.44E-06
4198 490363.09, 3855877.25	9.67E-03	3.05E-06	1.29E-06	1.04E-02	3.30E-06	1.40E-06	1.67E-02	5.26E-06	2.23E-06
4199 490863.09, 3855877.25	8.61E-03	2.72E-06	1.15E-06	9.31E-03	2.94E-06	1.25E-06	1.49E-02	4.69E-06	1.99E-06
4200 491363.09, 3855877.25	7.16E-03	2.26E-06	9.58E-07	7.73E-03	2.44E-06	1.04E-06	1.23E-02	3.89E-06	1.65E-06
4201 491863.09, 3855877.25	7.22E-03	2.28E-06	9.67E-07	7.80E-03	2.46E-06	1.04E-06	1.25E-02	3.93E-06	1.67E-06
4202 492363.09, 3855877.25	6.44E-03	2.03E-06	8.63E-07	6.96E-03	2.20E-06	9.32E-07	1.11E-02	3.51E-06	1.49E-06
4203 492863.09, 3855877.25	5.80E-03	1.83E-06	7.76E-07	6.26E-03	1.98E-06	8.38E-07	1.00E-02	3.16E-06	1.34E-06
4204 493363.09, 3855877.25	4.42E-03	1.39E-06	5.92E-07	4.77E-03	1.51E-06	6.39E-07	7.62E-03	2.40E-06	1.02E-06
4205 493863.09, 3855877.25	3.15E-03	9.94E-07	4.22E-07	3.40E-03	1.07E-06	4.55E-07	5.42E-03	1.71E-06	7.26E-07

4206 494363.09, 3855877.25	2.25E-03	7.11E-07	3.02E-07	2.43E-03	7.68E-07	3.26E-07	3.87E-03	1.22E-06	5.19E-07
4207 494863.09, 3855877.25	1.72E-03	5.43E-07	2.31E-07	1.86E-03	5.87E-07	2.49E-07	2.96E-03	9.34E-07	3.96E-07
4208 495363.09, 3855877.25	1.26E-03	3.97E-07	1.68E-07	1.36E-03	4.28E-07	1.82E-07	2.16E-03	6.82E-07	2.89E-07
4209 495863.09, 3855877.25	1.19E-03	3.75E-07	1.59E-07	1.28E-03	4.05E-07	1.72E-07	2.04E-03	6.45E-07	2.74E-07
4210 496363.09, 3855877.25	1.14E-03	3.61E-07	1.53E-07	1.24E-03	3.90E-07	1.66E-07	1.97E-03	6.21E-07	2.64E-07
4211 496863.09, 3855877.25	1.15E-03	3.63E-07	1.54E-07	1.24E-03	3.92E-07	1.66E-07	1.98E-03	6.24E-07	2.65E-07
4212 497363.09, 3855877.25	1.16E-03	3.67E-07	1.56E-07	1.26E-03	3.97E-07	1.68E-07	2.00E-03	6.32E-07	2.68E-07
4213 497863.09, 3855877.25	1.20E-03	3.79E-07	1.61E-07	1.30E-03	4.09E-07	1.74E-07	2.06E-03	6.52E-07	2.76E-07
4214 498363.09, 3855877.25	1.32E-03	4.17E-07	1.77E-07	1.43E-03	4.50E-07	1.91E-07	2.27E-03	7.17E-07	3.04E-07
4215 471363.09, 3856377.25	3.39E-04	1.07E-07	4.54E-08	3.66E-04	1.16E-07	4.90E-08	5.81E-04	1.83E-07	7.78E-08
4216 471863.09, 3856377.25	3.53E-04	1.12E-07	4.73E-08	3.81E-04	1.20E-07	5.11E-08	6.05E-04	1.91E-07	8.10E-08
4217 472363.09, 3856377.25	3.81E-04	1.20E-07	5.11E-08	4.12E-04	1.30E-07	5.51E-08	6.53E-04	2.06E-07	8.74E-08
4218 472863.09, 3856377.25	4.18E-04	1.32E-07	5.59E-08	4.51E-04	1.42E-07	6.04E-08	7.15E-04	2.26E-07	9.57E-08
4219 473363.09, 3856377.25	4.50E-04	1.42E-07	6.03E-08	4.86E-04	1.53E-07	6.51E-08	7.70E-04	2.43E-07	1.03E-07
4220 473863.09, 3856377.25	5.09E-04	1.61E-07	6.82E-08	5.50E-04	1.73E-07	7.36E-08	8.72E-04	2.75E-07	1.17E-07
4221 474363.09, 3856377.25	5.03E-04	1.59E-07	6.73E-08	5.42E-04	1.71E-07	7.26E-08	8.60E-04	2.71E-07	1.15E-07
4222 474863.09, 3856377.25	4.71E-04	1.49E-07	6.31E-08	5.08E-04	1.60E-07	6.81E-08	8.05E-04	2.54E-07	1.08E-07
4223 475363.09, 3856377.25	3.77E-04	1.19E-07	5.05E-08	4.07E-04	1.28E-07	5.45E-08	6.45E-04	2.03E-07	8.63E-08
4224 475863.09, 3856377.25	2.70E-04	8.54E-08	3.62E-08	2.92E-04	9.21E-08	3.91E-08	4.62E-04	1.46E-07	6.19E-08
4225 476363.09, 3856377.25	2.61E-04	8.24E-08	3.50E-08	2.82E-04	8.90E-08	3.77E-08	4.47E-04	1.41E-07	5.98E-08
4226 476863.09, 3856377.25	2.72E-04	8.59E-08	3.65E-08	2.94E-04	9.27E-08	3.93E-08	4.66E-04	1.47E-07	6.24E-08
4227 477363.09, 3856377.25	2.96E-04	9.35E-08	3.97E-08	3.20E-04	1.01E-07	4.28E-08	5.06E-04	1.60E-07	6.78E-08
4228 477863.09, 3856377.25	2.54E-04	8.01E-08	3.40E-08	2.74E-04	8.64E-08	3.67E-08	4.34E-04	1.37E-07	5.81E-08
4229 478363.09, 3856377.25	2.38E-04	7.50E-08	3.18E-08	2.56E-04	8.09E-08	3.43E-08	4.06E-04	1.28E-07	5.44E-08
4230 478863.09, 3856377.25	4.38E-04	1.38E-07	5.86E-08	4.72E-04	1.49E-07	6.32E-08	7.48E-04	2.36E-07	1.00E-07
4231 479363.09, 3856377.25	5.77E-04	1.82E-07	7.72E-08	6.22E-04	1.96E-07	8.33E-08	9.84E-04	3.11E-07	1.32E-07
4232 479863.09, 3856377.25	9.87E-04	3.11E-07	1.32E-07	1.06E-03	3.36E-07	1.43E-07	1.68E-03	5.31E-07	2.25E-07
4233 480363.09, 3856377.25	1.64E-03	5.18E-07	2.20E-07	1.77E-03	5.59E-07	2.37E-07	2.80E-03	8.83E-07	3.75E-07
4234 480863.09, 3856377.25	2.41E-03	7.60E-07	3.23E-07	2.60E-03	8.20E-07	3.48E-07	4.11E-03	1.30E-06	5.50E-07
4235 481363.09, 3856377.25	3.46E-03	1.09E-06	4.64E-07	3.73E-03	1.18E-06	5.00E-07	5.92E-03	1.87E-06	7.92E-07
4236 481863.09, 3856377.25	4.83E-03	1.52E-06	6.47E-07	5.21E-03	1.65E-06	6.98E-07	8.27E-03	2.61E-06	1.11E-06
4237 482363.09, 3856377.25	5.89E-03	1.86E-06	7.89E-07	6.35E-03	2.01E-06	8.51E-07	1.00E-02	3.17E-06	1.34E-06
4238 482863.09, 3856377.25	7.43E-03	2.35E-06	9.96E-07	8.02E-03	2.53E-06	1.07E-06	1.26E-02	3.99E-06	1.69E-06
4239 483363.09, 3856377.25	9.53E-03	3.01E-06	1.28E-06	1.03E-02	3.24E-06	1.38E-06	1.61E-02	5.09E-06	2.16E-06
4240 483863.09, 3856377.25	1.29E-02	4.06E-06	1.72E-06	1.39E-02	4.37E-06	1.86E-06	2.17E-02	6.84E-06	2.90E-06
4241 484363.09, 3856377.25	1.87E-02	5.91E-06	2.51E-06	2.02E-02	6.36E-06	2.70E-06	3.14E-02	9.90E-06	4.20E-06
4242 484863.09, 3856377.25	3.87E-02	1.22E-05	5.18E-06	4.15E-02	1.31E-05	5.56E-06	6.33E-02	2.00E-05	8.47E-06
4243 485363.09, 3856377.25	1.45E-01	4.57E-05	1.94E-05	1.56E-01	4.93E-05	2.09E-05	2.45E-01	7.75E-05	3.29E-05
4244 485863.09, 3856377.25	8.84E-02	2.79E-05	1.18E-05	9.56E-02	3.02E-05	1.28E-05	1.54E-01	4.86E-05	2.06E-05
4245 486363.09, 3856377.25	3.90E-02	1.23E-05	5.22E-06	4.21E-02	1.33E-05	5.64E-06	6.74E-02	2.13E-05	9.03E-06
4246 486863.09, 3856377.25	2.98E-02	9.41E-06	3.99E-06	3.22E-02	1.02E-05	4.31E-06	5.14E-02	1.62E-05	6.89E-06
4247 487363.09, 3856377.25	2.50E-02	7.89E-06	3.35E-06	2.70E-02	8.52E-06	3.62E-06	4.31E-02	1.36E-05	5.77E-06
4248 487863.09, 3856377.25	2.17E-02	6.84E-06	2.90E-06	2.34E-02	7.39E-06	3.14E-06	3.74E-02	1.18E-05	5.00E-06
4249 488363.09, 3856377.25	1.88E-02	5.93E-06	2.52E-06	2.03E-02	6.41E-06	2.72E-06	3.24E-02	1.02E-05	4.34E-06
4250 488863.09, 3856377.25	1.65E-02	5.20E-06	2.21E-06	1.78E-02	5.62E-06	2.38E-06	2.84E-02	8.97E-06	3.80E-06
4251 489363.09, 3856377.25	1.45E-02	4.59E-06	1.95E-06	1.57E-02	4.96E-06	2.10E-06	2.51E-02	7.92E-06	3.36E-06
4252 489863.09, 3856377.25	1.29E-02	4.08E-06	1.73E-06	1.40E-02	4.41E-06	1.87E-06	2.23E-02	7.04E-06	2.99E-06
4253 490363.09, 3856377.25	1.15E-02	3.62E-06	1.54E-06	1.24E-02	3.91E-06	1.66E-06	1.98E-02	6.25E-06	2.65E-06
4254 490863.09, 3856377.25	1.02E-02	3.22E-06	1.37E-06	1.10E-02	3.48E-06	1.48E-06	1.76E-02	5.56E-06	2.36E-06
4255 491363.09, 3856377.25	9.14E-03	2.88E-06	1.22E-06	9.88E-03	3.12E-06	1.32E-06	1.58E-02	4.99E-06	2.12E-06
4256 491863.09, 3856377.25	8.14E-03	2.57E-06	1.09E-06	8.79E-03	2.78E-06	1.18E-06	1.41E-02	4.44E-06	1.88E-06
4257 492363.09, 3856377.25	7.09E-03	2.24E-06	9.49E-07	7.66E-03	2.42E-06	1.03E-06	1.23E-02	3.87E-06	1.64E-06
4258 492863.09, 3856377.25	5.66E-03	1.79E-06	7.58E-07	6.12E-03	1.93E-06	8.19E-07	9.77E-03	3.08E-06	1.31E-06
4259 493363.09, 3856377.25	3.63E-03	1.15E-06	4.86E-07	3.92E-03	1.24E-06	5.25E-07	6.26E-03	1.97E-06	8.38E-07
4260 493863.09, 3856377.25	2.81E-03	8.88E-07	3.77E-07	3.04E-03	9.59E-07	4.07E-07	4.84E-03	1.53E-06	6.48E-07
4261 494363.09, 3856377.25	2.06E-03	6.51E-07	2.76E-07	2.23E-03	7.03E-07	2.98E-07	3.55E-03	1.12E-06	4.75E-07
4262 494863.09, 3856377.25	1.56E-03	4.91E-07	2.08E-07	1.68E-03	5.31E-07	2.25E-07	2.68E-03	8.45E-07	3.58E-07
4263 495363.09, 3856377.25	1.26E-03	3.97E-07	1.69E-07	1.36E-03	4.29E-07	1.82E-07	2.16E-03	6.83E-07	2.90E-07
4264 495863.09, 3856377.25	1.18E-03	3.73E-07	1.58E-07	1.28E-03	4.03E-07	1.71E-07	2.03E-03	6.41E-07	2.72E-07
4265 496363.09, 3856377.25	1.16E-03	3.65E-07	1.55E-07	1.25E-03	3.94E-07	1.67E-07	1.99E-03	6.28E-07	2.66E-07
4266 496863.09, 3856377.25	1.21E-03	3.82E-07	1.62E-07	1.31E-03	4.12E-07	1.75E-07	2.08E-03	6.57E-07	2.79E-07

4267	497363.09, 3856377.25	1.25E-03	3.94E-07	1.67E-07	1.35E-03	4.26E-07	1.81E-07	2.15E-03	6.78E-07	2.88E-07
4268	497863.09, 3856377.25	1.33E-03	4.21E-07	1.78E-07	1.44E-03	4.54E-07	1.93E-07	2.29E-03	7.23E-07	3.07E-07
4269	498363.09, 3856377.25	1.45E-03	4.57E-07	1.94E-07	1.56E-03	4.94E-07	2.10E-07	2.49E-03	7.87E-07	3.34E-07
4270	471363.09, 3856877.25	3.53E-04	1.12E-07	4.73E-08	3.81E-04	1.20E-07	5.11E-08	6.04E-04	1.91E-07	8.09E-08
4271	471863.09, 3856877.25	3.63E-04	1.15E-07	4.87E-08	3.92E-04	1.24E-07	5.25E-08	6.21E-04	1.96E-07	8.32E-08
4272	472363.09, 3856877.25	3.90E-04	1.23E-07	5.23E-08	4.21E-04	1.33E-07	5.64E-08	6.67E-04	2.11E-07	8.94E-08
4273	472863.09, 3856877.25	4.19E-04	1.32E-07	5.61E-08	4.52E-04	1.43E-07	6.06E-08	7.16E-04	2.26E-07	9.59E-08
4274	473363.09, 3856877.25	4.75E-04	1.50E-07	6.36E-08	5.13E-04	1.62E-07	6.87E-08	8.12E-04	2.56E-07	1.09E-07
4275	473863.09, 3856877.25	5.11E-04	1.61E-07	6.84E-08	5.52E-04	1.74E-07	7.39E-08	8.74E-04	2.76E-07	1.17E-07
4276	474363.09, 3856877.25	4.99E-04	1.58E-07	6.68E-08	5.39E-04	1.70E-07	7.21E-08	8.53E-04	2.69E-07	1.14E-07
4277	474863.09, 3856877.25	4.63E-04	1.46E-07	6.21E-08	5.00E-04	1.58E-07	6.70E-08	7.92E-04	2.50E-07	1.06E-07
4278	475363.09, 3856877.25	3.92E-04	1.24E-07	5.24E-08	4.22E-04	1.33E-07	5.66E-08	6.69E-04	2.11E-07	8.95E-08
4279	475863.09, 3856877.25	3.95E-04	1.25E-07	5.29E-08	4.26E-04	1.34E-07	5.71E-08	6.74E-04	2.13E-07	9.03E-08
4280	476363.09, 3856877.25	3.47E-04	1.09E-07	4.64E-08	3.74E-04	1.18E-07	5.01E-08	5.91E-04	1.87E-07	7.92E-08
4281	476863.09, 3856877.25	3.39E-04	1.07E-07	4.54E-08	3.66E-04	1.15E-07	4.90E-08	5.78E-04	1.83E-07	7.75E-08
4282	477363.09, 3856877.25	3.09E-04	9.76E-08	4.14E-08	3.34E-04	1.05E-07	4.47E-08	5.28E-04	1.66E-07	7.06E-08
4283	477863.09, 3856877.25	2.28E-04	7.19E-08	3.05E-08	2.46E-04	7.76E-08	3.29E-08	3.89E-04	1.23E-07	5.21E-08
4284	478363.09, 3856877.25	2.11E-04	6.66E-08	2.83E-08	2.28E-04	7.18E-08	3.05E-08	3.60E-04	1.14E-07	4.82E-08
4285	478863.09, 3856877.25	2.66E-04	8.40E-08	3.56E-08	2.87E-04	9.06E-08	3.84E-08	4.54E-04	1.43E-07	6.08E-08
4286	479363.09, 3856877.25	3.57E-04	1.13E-07	4.78E-08	3.85E-04	1.22E-07	5.16E-08	6.09E-04	1.92E-07	8.16E-08
4287	479863.09, 3856877.25	8.79E-04	2.77E-07	1.18E-07	9.48E-04	2.99E-07	1.27E-07	1.50E-03	4.72E-07	2.00E-07
4288	480363.09, 3856877.25	1.57E-03	4.94E-07	2.10E-07	1.69E-03	5.33E-07	2.26E-07	2.67E-03	8.42E-07	3.57E-07
4289	480863.09, 3856877.25	2.46E-03	7.75E-07	3.29E-07	2.65E-03	8.37E-07	3.55E-07	4.20E-03	1.32E-06	5.62E-07
4290	481363.09, 3856877.25	3.32E-03	1.05E-06	4.45E-07	3.58E-03	1.13E-06	4.80E-07	5.68E-03	1.79E-06	7.61E-07
4291	481863.09, 3856877.25	4.13E-03	1.30E-06	5.53E-07	4.46E-03	1.41E-06	5.97E-07	7.05E-03	2.23E-06	9.45E-07
4292	482363.09, 3856877.25	5.09E-03	1.61E-06	6.82E-07	5.49E-03	1.73E-06	7.35E-07	8.67E-03	2.74E-06	1.16E-06
4293	482863.09, 3856877.25	6.10E-03	1.93E-06	8.17E-07	6.58E-03	2.08E-06	8.81E-07	1.04E-02	3.27E-06	1.39E-06
4294	483363.09, 3856877.25	7.49E-03	2.36E-06	1.00E-06	8.07E-03	2.55E-06	1.08E-06	1.27E-02	4.00E-06	1.70E-06
4295	483863.09, 3856877.25	9.46E-03	2.99E-06	1.27E-06	1.02E-02	3.22E-06	1.37E-06	1.60E-02	5.04E-06	2.14E-06
4296	484363.09, 3856877.25	1.25E-02	3.94E-06	1.67E-06	1.34E-02	4.24E-06	1.80E-06	2.10E-02	6.62E-06	2.81E-06
4297	484863.09, 3856877.25	1.75E-02	5.51E-06	2.34E-06	1.88E-02	5.93E-06	2.52E-06	2.92E-02	9.21E-06	3.91E-06
4298	485363.09, 3856877.25	3.26E-02	1.03E-05	4.36E-06	3.50E-02	1.10E-05	4.69E-06	5.36E-02	1.69E-05	7.18E-06
4299	485863.09, 3856877.25	1.32E-01	4.17E-05	1.77E-05	1.42E-01	4.48E-05	1.90E-05	2.20E-01	6.95E-05	2.95E-05
4300	486363.09, 3856877.25	8.22E-02	2.59E-05	1.10E-05	8.88E-02	2.80E-05	1.19E-05	1.42E-01	4.48E-05	1.90E-05
4301	486863.09, 3856877.25	4.88E-02	1.54E-05	6.53E-06	5.27E-02	1.66E-05	7.06E-06	8.44E-02	2.66E-05	1.13E-05
4302	487363.09, 3856877.25	3.67E-02	1.16E-05	4.92E-06	3.97E-02	1.25E-05	5.31E-06	6.35E-02	2.00E-05	8.51E-06
4303	487863.09, 3856877.25	2.92E-02	9.22E-06	3.91E-06	3.16E-02	9.97E-06	4.23E-06	5.05E-02	1.59E-05	6.77E-06
4304	488363.09, 3856877.25	2.41E-02	7.61E-06	3.23E-06	2.61E-02	8.22E-06	3.49E-06	4.17E-02	1.32E-05	5.58E-06
4305	488863.09, 3856877.25	2.02E-02	6.39E-06	2.71E-06	2.19E-02	6.90E-06	2.93E-06	3.50E-02	1.10E-05	4.69E-06
4306	489363.09, 3856877.25	1.73E-02	5.47E-06	2.32E-06	1.87E-02	5.91E-06	2.51E-06	3.00E-02	9.46E-06	4.01E-06
4307	489863.09, 3856877.25	1.50E-02	4.72E-06	2.00E-06	1.62E-02	5.11E-06	2.17E-06	2.59E-02	8.18E-06	3.47E-06
4308	490363.09, 3856877.25	1.30E-02	4.10E-06	1.74E-06	1.40E-02	4.43E-06	1.88E-06	2.25E-02	7.09E-06	3.01E-06
4309	490863.09, 3856877.25	1.14E-02	3.58E-06	1.52E-06	1.23E-02	3.87E-06	1.64E-06	1.97E-02	6.20E-06	2.63E-06
4310	491363.09, 3856877.25	9.98E-03	3.15E-06	1.34E-06	1.08E-02	3.40E-06	1.44E-06	1.73E-02	5.45E-06	2.31E-06
4311	491863.09, 3856877.25	8.75E-03	2.76E-06	1.17E-06	9.45E-03	2.98E-06	1.27E-06	1.51E-02	4.78E-06	2.03E-06
4312	492363.09, 3856877.25	6.86E-03	2.16E-06	9.18E-07	7.41E-03	2.34E-06	9.92E-07	1.19E-02	3.74E-06	1.59E-06
4313	492863.09, 3856877.25	5.26E-03	1.66E-06	7.04E-07	5.68E-03	1.79E-06	7.61E-07	9.07E-03	2.86E-06	1.22E-06
4314	493363.09, 3856877.25	3.79E-03	1.20E-06	5.07E-07	4.09E-03	1.29E-06	5.48E-07	6.53E-03	2.06E-06	8.74E-07
4315	493863.09, 3856877.25	2.59E-03	8.18E-07	3.47E-07	2.80E-03	8.83E-07	3.75E-07	4.46E-03	1.41E-06	5.97E-07
4316	494363.09, 3856877.25	1.86E-03	5.87E-07	2.49E-07	2.01E-03	6.34E-07	2.69E-07	3.20E-03	1.01E-06	4.28E-07
4317	494863.09, 3856877.25	1.55E-03	4.88E-07	2.07E-07	1.67E-03	5.27E-07	2.24E-07	2.66E-03	8.39E-07	3.56E-07
4318	495363.09, 3856877.25	1.37E-03	4.31E-07	1.83E-07	1.48E-03	4.66E-07	1.98E-07	2.35E-03	7.41E-07	3.14E-07
4319	495863.09, 3856877.25	1.31E-03	4.12E-07	1.75E-07	1.41E-03	4.45E-07	1.89E-07	2.24E-03	7.08E-07	3.00E-07
4320	496363.09, 3856877.25	1.27E-03	3.99E-07	1.69E-07	1.37E-03	4.31E-07	1.83E-07	2.17E-03	6.86E-07	2.91E-07
4321	496863.09, 3856877.25	1.27E-03	4.02E-07	1.70E-07	1.37E-03	4.34E-07	1.84E-07	2.19E-03	6.91E-07	2.93E-07
4322	497363.09, 3856877.25	1.32E-03	4.17E-07	1.77E-07	1.43E-03	4.50E-07	1.91E-07	2.27E-03	7.16E-07	3.04E-07
4323	497863.09, 3856877.25	1.46E-03	4.61E-07	1.96E-07	1.58E-03	4.98E-07	2.11E-07	2.51E-03	7.93E-07	3.37E-07
4324	498363.09, 3856877.25	1.63E-03	5.16E-07	2.19E-07	1.76E-03	5.57E-07	2.36E-07	2.81E-03	8.88E-07	3.77E-07
4325	471363.09, 3857377.25	3.67E-04	1.16E-07	4.91E-08	3.96E-04	1.25E-07	5.30E-08	6.28E-04	1.98E-07	8.40E-08
4326	471863.09, 3857377.25	3.76E-04	1.19E-07	5.04E-08	4.06E-04	1.28E-07	5.43E-08	6.43E-04	2.03E-07	8.62E-08
4327	472363.09, 3857377.25	3.99E-04	1.26E-07	5.34E-08	4.30E-04	1.36E-07	5.76E-08	6.82E-04	2.15E-07	9.14E-08

4328	472863.09, 3857377.25	4.30E-04	1.36E-07	5.76E-08	4.64E-04	1.46E-07	6.21E-08	7.36E-04	2.32E-07	9.86E-08
4329	473363.09, 3857377.25	4.73E-04	1.49E-07	6.34E-08	5.11E-04	1.61E-07	6.84E-08	8.11E-04	2.56E-07	1.09E-07
4330	473863.09, 3857377.25	5.30E-04	1.67E-07	7.10E-08	5.72E-04	1.81E-07	7.66E-08	9.08E-04	2.87E-07	1.22E-07
4331	474363.09, 3857377.25	4.98E-04	1.57E-07	6.67E-08	5.37E-04	1.70E-07	7.20E-08	8.53E-04	2.69E-07	1.14E-07
4332	474863.09, 3857377.25	3.69E-04	1.17E-07	4.94E-08	3.98E-04	1.26E-07	5.33E-08	6.31E-04	1.99E-07	8.45E-08
4333	475363.09, 3857377.25	2.57E-04	8.12E-08	3.45E-08	2.78E-04	8.76E-08	3.72E-08	4.39E-04	1.39E-07	5.88E-08
4334	475863.09, 3857377.25	2.43E-04	7.68E-08	3.26E-08	2.62E-04	8.28E-08	3.51E-08	4.15E-04	1.31E-07	5.56E-08
4335	476363.09, 3857377.25	3.18E-04	1.00E-07	4.25E-08	3.43E-04	1.08E-07	4.59E-08	5.42E-04	1.71E-07	7.26E-08
4336	476863.09, 3857377.25	3.47E-04	1.10E-07	4.65E-08	3.74E-04	1.18E-07	5.01E-08	5.92E-04	1.87E-07	7.93E-08
4337	477363.09, 3857377.25	3.06E-04	9.67E-08	4.10E-08	3.31E-04	1.04E-07	4.43E-08	5.23E-04	1.65E-07	7.00E-08
4338	477863.09, 3857377.25	2.41E-04	7.61E-08	3.23E-08	2.60E-04	8.21E-08	3.48E-08	4.11E-04	1.30E-07	5.50E-08
4339	478363.09, 3857377.25	1.96E-04	6.19E-08	2.63E-08	2.12E-04	6.68E-08	2.83E-08	3.34E-04	1.05E-07	4.48E-08
4340	478863.09, 3857377.25	1.75E-04	5.53E-08	2.35E-08	1.89E-04	5.97E-08	2.53E-08	2.99E-04	9.43E-08	4.00E-08
4341	479363.09, 3857377.25	2.71E-04	8.55E-08	3.63E-08	2.92E-04	9.22E-08	3.91E-08	4.60E-04	1.45E-07	6.17E-08
4342	479863.09, 3857377.25	7.06E-04	2.23E-07	9.45E-08	7.61E-04	2.40E-07	1.02E-07	1.20E-03	3.79E-07	1.61E-07
4343	480363.09, 3857377.25	5.95E-04	1.88E-07	7.96E-08	6.41E-04	2.02E-07	8.58E-08	1.01E-03	3.19E-07	1.35E-07
4344	480863.09, 3857377.25	2.30E-03	7.24E-07	3.07E-07	2.48E-03	7.82E-07	3.32E-07	3.93E-03	1.24E-06	5.26E-07
4345	481363.09, 3857377.25	2.60E-03	8.22E-07	3.49E-07	2.81E-03	8.87E-07	3.76E-07	4.46E-03	1.41E-06	5.97E-07
4346	481863.09, 3857377.25	3.43E-03	1.08E-06	4.59E-07	3.70E-03	1.17E-06	4.95E-07	5.86E-03	1.85E-06	7.84E-07
4347	482363.09, 3857377.25	4.39E-03	1.39E-06	5.88E-07	4.74E-03	1.50E-06	6.35E-07	7.48E-03	2.36E-06	1.00E-06
4348	482863.09, 3857377.25	5.08E-03	1.60E-06	6.81E-07	5.48E-03	1.73E-06	7.34E-07	8.63E-03	2.72E-06	1.16E-06
4349	483363.09, 3857377.25	5.99E-03	1.89E-06	8.02E-07	6.46E-03	2.04E-06	8.65E-07	1.01E-02	3.20E-06	1.36E-06
4350	483863.09, 3857377.25	7.26E-03	2.29E-06	9.72E-07	7.82E-03	2.47E-06	1.05E-06	1.23E-02	3.87E-06	1.64E-06
4351	484363.09, 3857377.25	8.94E-03	2.82E-06	1.20E-06	9.63E-03	3.04E-06	1.29E-06	1.51E-02	4.75E-06	2.02E-06
4352	484863.09, 3857377.25	1.15E-02	3.63E-06	1.54E-06	1.24E-02	3.91E-06	1.66E-06	1.93E-02	6.10E-06	2.59E-06
4353	485363.09, 3857377.25	1.58E-02	4.97E-06	2.11E-06	1.70E-02	5.35E-06	2.27E-06	2.64E-02	8.33E-06	3.53E-06
4354	485863.09, 3857377.25	2.56E-02	8.09E-06	3.43E-06	2.76E-02	8.70E-06	3.69E-06	4.27E-02	1.35E-05	5.72E-06
4355	486363.09, 3857377.25	1.17E-01	3.71E-05	1.57E-05	1.26E-01	3.99E-05	1.69E-05	1.96E-01	6.20E-05	2.63E-05
4356	486863.09, 3857377.25	1.25E-01	3.94E-05	1.67E-05	1.35E-01	4.25E-05	1.80E-05	2.14E-01	6.76E-05	2.87E-05
4357	487363.09, 3857377.25	6.01E-02	1.90E-05	8.04E-06	6.50E-02	2.05E-05	8.70E-06	1.05E-01	3.31E-05	1.40E-05
4358	487863.09, 3857377.25	4.05E-02	1.28E-05	5.42E-06	4.38E-02	1.38E-05	5.86E-06	7.05E-02	2.23E-05	9.45E-06
4359	488363.09, 3857377.25	3.02E-02	9.55E-06	4.05E-06	3.27E-02	1.03E-05	4.38E-06	5.26E-02	1.66E-05	7.04E-06
4360	488863.09, 3857377.25	2.39E-02	7.55E-06	3.20E-06	2.59E-02	8.17E-06	3.46E-06	4.16E-02	1.31E-05	5.57E-06
4361	489363.09, 3857377.25	1.96E-02	6.19E-06	2.63E-06	2.12E-02	6.69E-06	2.84E-06	3.41E-02	1.07E-05	4.56E-06
4362	489863.09, 3857377.25	1.64E-02	5.18E-06	2.20E-06	1.77E-02	5.60E-06	2.37E-06	2.85E-02	8.99E-06	3.81E-06
4363	490363.09, 3857377.25	1.39E-02	4.38E-06	1.86E-06	1.50E-02	4.73E-06	2.01E-06	2.41E-02	7.59E-06	3.22E-06
4364	490863.09, 3857377.25	1.19E-02	3.75E-06	1.59E-06	1.29E-02	4.06E-06	1.72E-06	2.06E-02	6.51E-06	2.76E-06
4365	491363.09, 3857377.25	1.03E-02	3.26E-06	1.38E-06	1.11E-02	3.52E-06	1.49E-06	1.79E-02	5.64E-06	2.39E-06
4366	491863.09, 3857377.25	8.79E-03	2.78E-06	1.18E-06	9.50E-03	3.00E-06	1.27E-06	1.52E-02	4.81E-06	2.04E-06
4367	492363.09, 3857377.25	6.38E-03	2.01E-06	8.55E-07	6.90E-03	2.18E-06	9.24E-07	1.10E-02	3.49E-06	1.48E-06
4368	492863.09, 3857377.25	4.35E-03	1.37E-06	5.83E-07	4.70E-03	1.48E-06	6.29E-07	7.50E-03	2.37E-06	1.00E-06
4369	493363.09, 3857377.25	2.97E-03	9.38E-07	3.98E-07	3.21E-03	1.01E-06	4.30E-07	5.12E-03	1.61E-06	6.85E-07
4370	493863.09, 3857377.25	2.43E-03	7.66E-07	3.25E-07	2.62E-03	8.27E-07	3.51E-07	4.17E-03	1.32E-06	5.59E-07
4371	494363.09, 3857377.25	1.96E-03	6.18E-07	2.62E-07	2.11E-03	6.67E-07	2.83E-07	3.36E-03	1.06E-06	4.50E-07
4372	494863.09, 3857377.25	1.73E-03	5.45E-07	2.31E-07	1.86E-03	5.88E-07	2.49E-07	2.96E-03	9.35E-07	3.97E-07
4373	495363.09, 3857377.25	1.55E-03	4.88E-07	2.07E-07	1.67E-03	5.27E-07	2.24E-07	2.66E-03	8.38E-07	3.56E-07
4374	495863.09, 3857377.25	1.47E-03	4.65E-07	1.97E-07	1.59E-03	5.02E-07	2.13E-07	2.53E-03	7.99E-07	3.39E-07
4375	496363.09, 3857377.25	1.43E-03	4.51E-07	1.91E-07	1.54E-03	4.87E-07	2.07E-07	2.46E-03	7.75E-07	3.29E-07
4376	496863.09, 3857377.25	1.41E-03	4.45E-07	1.89E-07	1.52E-03	4.81E-07	2.04E-07	2.42E-03	7.65E-07	3.25E-07
4377	497363.09, 3857377.25	1.46E-03	4.60E-07	1.95E-07	1.57E-03	4.96E-07	2.11E-07	2.50E-03	7.91E-07	3.35E-07
4378	497863.09, 3857377.25	1.56E-03	4.91E-07	2.08E-07	1.68E-03	5.30E-07	2.25E-07	2.68E-03	8.45E-07	3.58E-07
4379	498363.09, 3857377.25	1.86E-03	5.86E-07	2.49E-07	2.01E-03	6.33E-07	2.69E-07	3.20E-03	1.01E-06	4.29E-07
4380	471363.09, 3857877.25	3.70E-04	1.17E-07	4.96E-08	3.99E-04	1.26E-07	5.35E-08	6.33E-04	2.00E-07	8.48E-08
4381	471863.09, 3857877.25	3.85E-04	1.21E-07	5.15E-08	4.15E-04	1.31E-07	5.56E-08	6.58E-04	2.08E-07	8.82E-08
4382	472363.09, 3857877.25	4.09E-04	1.29E-07	5.48E-08	4.41E-04	1.39E-07	5.91E-08	7.00E-04	2.21E-07	9.38E-08
4383	472863.09, 3857877.25	4.52E-04	1.43E-07	6.05E-08	4.88E-04	1.54E-07	6.53E-08	7.74E-04	2.44E-07	1.04E-07
4384	473363.09, 3857877.25	4.82E-04	1.52E-07	6.46E-08	5.21E-04	1.64E-07	6.97E-08	8.26E-04	2.61E-07	1.11E-07
4385	473863.09, 3857877.25	5.30E-04	1.67E-07	7.10E-08	5.72E-04	1.81E-07	7.66E-08	9.08E-04	2.87E-07	1.22E-07
4386	474363.09, 3857877.25	4.81E-04	1.52E-07	6.44E-08	5.19E-04	1.64E-07	6.95E-08	8.23E-04	2.60E-07	1.10E-07
4387	474863.09, 3857877.25	3.41E-04	1.08E-07	4.56E-08	3.67E-04	1.16E-07	4.92E-08	5.81E-04	1.83E-07	7.78E-08
4388	475363.09, 3857877.25	1.96E-04	6.18E-08	2.62E-08	2.11E-04	6.67E-08	2.83E-08	3.34E-04	1.05E-07	4.47E-08

4389	475863.09, 3857877.25	1.01E-04	3.19E-08	1.35E-08	1.09E-04	3.44E-08	1.46E-08	1.72E-04	5.44E-08	2.31E-08
4390	476363.09, 3857877.25	2.26E-04	7.13E-08	3.03E-08	2.44E-04	7.69E-08	3.26E-08	3.85E-04	1.22E-07	5.16E-08
4391	476863.09, 3857877.25	2.84E-04	8.97E-08	3.81E-08	3.07E-04	9.68E-08	4.11E-08	4.85E-04	1.53E-07	6.49E-08
4392	477363.09, 3857877.25	2.80E-04	8.83E-08	3.75E-08	3.02E-04	9.53E-08	4.04E-08	4.76E-04	1.50E-07	6.38E-08
4393	477863.09, 3857877.25	2.75E-04	8.69E-08	3.69E-08	2.97E-04	9.37E-08	3.98E-08	4.69E-04	1.48E-07	6.27E-08
4394	478363.09, 3857877.25	1.64E-04	5.17E-08	2.19E-08	1.76E-04	5.57E-08	2.36E-08	2.78E-04	8.78E-08	3.72E-08
4395	478863.09, 3857877.25	1.39E-04	4.40E-08	1.87E-08	1.50E-04	4.75E-08	2.01E-08	2.36E-04	7.46E-08	3.17E-08
4396	479363.09, 3857877.25	6.39E-04	2.02E-07	8.55E-08	6.89E-04	2.17E-07	9.22E-08	1.09E-03	3.43E-07	1.45E-07
4397	479863.09, 3857877.25	1.40E-03	4.40E-07	1.87E-07	1.51E-03	4.75E-07	2.02E-07	2.38E-03	7.53E-07	3.19E-07
4398	480363.09, 3857877.25	1.85E-03	5.83E-07	2.47E-07	1.99E-03	6.29E-07	2.67E-07	3.16E-03	9.97E-07	4.23E-07
4399	480863.09, 3857877.25	2.13E-03	6.71E-07	2.85E-07	2.29E-03	7.24E-07	3.07E-07	3.64E-03	1.15E-06	4.87E-07
4400	481363.09, 3857877.25	2.46E-03	7.77E-07	3.30E-07	2.66E-03	8.39E-07	3.56E-07	4.22E-03	1.33E-06	5.65E-07
4401	481863.09, 3857877.25	2.96E-03	9.33E-07	3.96E-07	3.19E-03	1.01E-06	4.27E-07	5.06E-03	1.60E-06	6.77E-07
4402	482363.09, 3857877.25	3.71E-03	1.17E-06	4.97E-07	4.00E-03	1.26E-06	5.36E-07	6.32E-03	2.00E-06	8.47E-07
4403	482863.09, 3857877.25	4.25E-03	1.34E-06	5.68E-07	4.58E-03	1.44E-06	6.13E-07	7.20E-03	2.27E-06	9.64E-07
4404	483363.09, 3857877.25	4.87E-03	1.54E-06	6.52E-07	5.25E-03	1.66E-06	7.03E-07	8.24E-03	2.60E-06	1.10E-06
4405	483863.09, 3857877.25	5.69E-03	1.80E-06	7.62E-07	6.13E-03	1.93E-06	8.21E-07	9.62E-03	3.03E-06	1.29E-06
4406	484363.09, 3857877.25	6.72E-03	2.12E-06	8.99E-07	7.24E-03	2.28E-06	9.69E-07	1.13E-02	3.58E-06	1.52E-06
4407	484863.09, 3857877.25	8.14E-03	2.57E-06	1.09E-06	8.76E-03	2.77E-06	1.17E-06	1.37E-02	4.33E-06	1.84E-06
4408	485363.09, 3857877.25	1.02E-02	3.21E-06	1.36E-06	1.09E-02	3.45E-06	1.47E-06	1.71E-02	5.40E-06	2.29E-06
4409	485863.09, 3857877.25	1.35E-02	4.25E-06	1.80E-06	1.45E-02	4.58E-06	1.94E-06	2.26E-02	7.14E-06	3.03E-06
4410	486363.09, 3857877.25	2.00E-02	6.31E-06	2.68E-06	2.15E-02	6.79E-06	2.88E-06	3.35E-02	1.06E-05	4.49E-06
4411	486863.09, 3857877.25	4.45E-02	1.40E-05	5.96E-06	4.79E-02	1.51E-05	6.42E-06	7.49E-02	2.36E-05	1.00E-05
4412	487363.09, 3857877.25	1.34E-01	4.23E-05	1.80E-05	1.44E-01	4.56E-05	1.93E-05	2.24E-01	7.07E-05	3.00E-05
4413	487863.09, 3857877.25	5.95E-02	1.88E-05	7.96E-06	6.44E-02	2.03E-05	8.62E-06	1.04E-01	3.30E-05	1.40E-05
4414	488363.09, 3857877.25	3.64E-02	1.15E-05	4.88E-06	3.94E-02	1.24E-05	5.28E-06	6.36E-02	2.01E-05	8.52E-06
4415	488863.09, 3857877.25	2.63E-02	8.30E-06	3.52E-06	2.84E-02	8.98E-06	3.81E-06	4.58E-02	1.44E-05	6.13E-06
4416	489363.09, 3857877.25	2.04E-02	6.44E-06	2.73E-06	2.21E-02	6.96E-06	2.96E-06	3.55E-02	1.12E-05	4.76E-06
4417	489863.09, 3857877.25	1.64E-02	5.16E-06	2.19E-06	1.77E-02	5.58E-06	2.37E-06	2.84E-02	8.97E-06	3.81E-06
4418	490363.09, 3857877.25	1.35E-02	4.27E-06	1.81E-06	1.46E-02	4.61E-06	1.96E-06	2.34E-02	7.40E-06	3.14E-06
4419	490863.09, 3857877.25	1.14E-02	3.60E-06	1.53E-06	1.23E-02	3.89E-06	1.65E-06	1.98E-02	6.23E-06	2.65E-06
4420	491363.09, 3857877.25	9.60E-03	3.03E-06	1.29E-06	1.04E-02	3.28E-06	1.39E-06	1.66E-02	5.25E-06	2.23E-06
4421	491863.09, 3857877.25	7.80E-03	2.46E-06	1.04E-06	8.43E-03	2.66E-06	1.13E-06	1.35E-02	4.26E-06	1.81E-06
4422	492363.09, 3857877.25	5.28E-03	1.67E-06	7.07E-07	5.71E-03	1.80E-06	7.64E-07	9.12E-03	2.88E-06	1.22E-06
4423	492863.09, 3857877.25	3.55E-03	1.12E-06	4.75E-07	3.83E-03	1.21E-06	5.13E-07	6.10E-03	1.93E-06	8.17E-07
4424	493363.09, 3857877.25	2.86E-03	9.04E-07	3.84E-07	3.09E-03	9.76E-07	4.14E-07	4.93E-03	1.56E-06	6.60E-07
4425	493863.09, 3857877.25	2.50E-03	7.89E-07	3.35E-07	2.70E-03	8.52E-07	3.61E-07	4.30E-03	1.36E-06	5.75E-07
4426	494363.09, 3857877.25	2.24E-03	7.06E-07	3.00E-07	2.42E-03	7.63E-07	3.24E-07	3.85E-03	1.21E-06	5.15E-07
4427	494863.09, 3857877.25	1.89E-03	5.98E-07	2.54E-07	2.04E-03	6.45E-07	2.74E-07	3.25E-03	1.03E-06	4.36E-07
4428	495363.09, 3857877.25	1.75E-03	5.53E-07	2.35E-07	1.89E-03	5.97E-07	2.53E-07	3.01E-03	9.50E-07	4.03E-07
4429	495863.09, 3857877.25	1.63E-03	5.16E-07	2.19E-07	1.76E-03	5.57E-07	2.36E-07	2.81E-03	8.86E-07	3.76E-07
4430	496363.09, 3857877.25	1.61E-03	5.09E-07	2.16E-07	1.74E-03	5.49E-07	2.33E-07	2.77E-03	8.74E-07	3.71E-07
4431	496863.09, 3857877.25	1.60E-03	5.04E-07	2.14E-07	1.72E-03	5.44E-07	2.31E-07	2.74E-03	8.65E-07	3.67E-07
4432	497363.09, 3857877.25	1.55E-03	4.91E-07	2.08E-07	1.68E-03	5.30E-07	2.25E-07	2.67E-03	8.44E-07	3.58E-07
4433	497863.09, 3857877.25	1.74E-03	5.49E-07	2.33E-07	1.88E-03	5.93E-07	2.52E-07	2.99E-03	9.45E-07	4.01E-07
4434	498363.09, 3857877.25	1.93E-03	6.08E-07	2.58E-07	2.08E-03	6.57E-07	2.79E-07	3.32E-03	1.05E-06	4.44E-07
4435	471363.09, 3858377.25	3.87E-04	1.22E-07	5.18E-08	4.18E-04	1.32E-07	5.59E-08	6.62E-04	2.09E-07	8.87E-08
4436	471863.09, 3858377.25	4.03E-04	1.27E-07	5.40E-08	4.35E-04	1.37E-07	5.83E-08	6.90E-04	2.18E-07	9.24E-08
4437	472363.09, 3858377.25	4.21E-04	1.33E-07	5.63E-08	4.54E-04	1.43E-07	6.08E-08	7.20E-04	2.27E-07	9.64E-08
4438	472863.09, 3858377.25	4.55E-04	1.44E-07	6.09E-08	4.91E-04	1.55E-07	6.58E-08	7.78E-04	2.46E-07	1.04E-07
4439	473363.09, 3858377.25	5.21E-04	1.64E-07	6.98E-08	5.62E-04	1.77E-07	7.53E-08	8.91E-04	2.81E-07	1.19E-07
4440	473863.09, 3858377.25	5.27E-04	1.66E-07	7.06E-08	5.69E-04	1.80E-07	7.62E-08	9.01E-04	2.84E-07	1.21E-07
4441	474363.09, 3858377.25	4.58E-04	1.45E-07	6.14E-08	4.95E-04	1.56E-07	6.62E-08	7.83E-04	2.47E-07	1.05E-07
4442	474863.09, 3858377.25	3.53E-04	1.11E-07	4.73E-08	3.81E-04	1.20E-07	5.10E-08	6.02E-04	1.90E-07	8.06E-08
4443	475363.09, 3858377.25	2.34E-04	7.38E-08	3.13E-08	2.52E-04	7.96E-08	3.38E-08	3.98E-04	1.26E-07	5.33E-08
4444	475863.09, 3858377.25	1.74E-04	5.49E-08	2.33E-08	1.88E-04	5.92E-08	2.51E-08	2.96E-04	9.34E-08	3.96E-08
4445	476363.09, 3858377.25	1.91E-04	6.02E-08	2.56E-08	2.06E-04	6.50E-08	2.76E-08	3.24E-04	1.02E-07	4.34E-08
4446	476863.09, 3858377.25	2.14E-04	6.76E-08	2.87E-08	2.31E-04	7.29E-08	3.09E-08	3.64E-04	1.15E-07	4.87E-08
4447	477363.09, 3858377.25	2.04E-04	6.45E-08	2.74E-08	2.20E-04	6.96E-08	2.95E-08	3.47E-04	1.10E-07	4.65E-08
4448	477863.09, 3858377.25	2.74E-04	8.65E-08	3.67E-08	2.96E-04	9.33E-08	3.96E-08	4.66E-04	1.47E-07	6.24E-08
4449	478363.09, 3858377.25	2.98E-04	9.40E-08	3.99E-08	3.21E-04	1.01E-07	4.30E-08	5.06E-04	1.60E-07	6.77E-08

4450	478863.09, 3858377.25	2.09E-04	6.59E-08	2.80E-08	2.25E-04	7.11E-08	3.02E-08	3.54E-04	1.12E-07	4.74E-08
4451	479363.09, 3858377.25	6.72E-04	2.12E-07	9.00E-08	7.24E-04	2.29E-07	9.70E-08	1.14E-03	3.61E-07	1.53E-07
4452	479863.09, 3858377.25	1.44E-03	4.56E-07	1.93E-07	1.56E-03	4.92E-07	2.09E-07	2.47E-03	7.80E-07	3.31E-07
4453	480363.09, 3858377.25	1.81E-03	5.70E-07	2.42E-07	1.95E-03	6.15E-07	2.61E-07	3.09E-03	9.76E-07	4.14E-07
4454	480863.09, 3858377.25	2.03E-03	6.41E-07	2.72E-07	2.19E-03	6.92E-07	2.93E-07	3.48E-03	1.10E-06	4.65E-07
4455	481363.09, 3858377.25	2.32E-03	7.32E-07	3.11E-07	2.50E-03	7.90E-07	3.35E-07	3.97E-03	1.25E-06	5.31E-07
4456	481863.09, 3858377.25	2.61E-03	8.24E-07	3.50E-07	2.82E-03	8.89E-07	3.77E-07	4.46E-03	1.41E-06	5.98E-07
4457	482363.09, 3858377.25	3.03E-03	9.57E-07	4.06E-07	3.27E-03	1.03E-06	4.38E-07	5.18E-03	1.63E-06	6.93E-07
4458	482863.09, 3858377.25	3.67E-03	1.16E-06	4.91E-07	3.96E-03	1.25E-06	5.30E-07	6.25E-03	1.97E-06	8.36E-07
4459	483363.09, 3858377.25	4.08E-03	1.29E-06	5.46E-07	4.40E-03	1.39E-06	5.89E-07	6.91E-03	2.18E-06	9.25E-07
4460	483863.09, 3858377.25	4.53E-03	1.43E-06	6.06E-07	4.88E-03	1.54E-06	6.54E-07	7.66E-03	2.42E-06	1.03E-06
4461	484363.09, 3858377.25	5.22E-03	1.65E-06	6.98E-07	5.62E-03	1.77E-06	7.53E-07	8.81E-03	2.78E-06	1.18E-06
4462	484863.09, 3858377.25	6.03E-03	1.90E-06	8.07E-07	6.49E-03	2.05E-06	8.70E-07	1.02E-02	3.21E-06	1.36E-06
4463	485363.09, 3858377.25	6.99E-03	2.20E-06	9.36E-07	7.53E-03	2.38E-06	1.01E-06	1.18E-02	3.72E-06	1.58E-06
4464	485863.09, 3858377.25	8.36E-03	2.64E-06	1.12E-06	9.00E-03	2.84E-06	1.21E-06	1.41E-02	4.44E-06	1.88E-06
4465	486363.09, 3858377.25	1.03E-02	3.24E-06	1.37E-06	1.10E-02	3.49E-06	1.48E-06	1.72E-02	5.44E-06	2.31E-06
4466	486863.09, 3858377.25	1.30E-02	4.11E-06	1.74E-06	1.40E-02	4.42E-06	1.88E-06	2.18E-02	6.90E-06	2.93E-06
4467	487363.09, 3858377.25	1.89E-02	5.96E-06	2.53E-06	2.03E-02	6.42E-06	2.72E-06	3.16E-02	9.99E-06	4.24E-06
4468	487863.09, 3858377.25	6.01E-02	1.90E-05	8.04E-06	6.50E-02	2.05E-05	8.70E-06	1.05E-01	3.32E-05	1.41E-05
4469	488363.09, 3858377.25	3.90E-02	1.23E-05	5.23E-06	4.22E-02	1.33E-05	5.65E-06	6.76E-02	2.13E-05	9.05E-06
4470	488863.09, 3858377.25	2.29E-02	7.21E-06	3.06E-06	2.47E-02	7.78E-06	3.30E-06	3.91E-02	1.23E-05	5.23E-06
4471	489363.09, 3858377.25	1.71E-02	5.38E-06	2.28E-06	1.84E-02	5.81E-06	2.46E-06	2.92E-02	9.20E-06	3.90E-06
4472	489863.09, 3858377.25	1.37E-02	4.32E-06	1.83E-06	1.48E-02	4.66E-06	1.98E-06	2.34E-02	7.39E-06	3.14E-06
4473	490363.09, 3858377.25	1.14E-02	3.60E-06	1.53E-06	1.23E-02	3.89E-06	1.65E-06	1.95E-02	6.17E-06	2.62E-06
4474	490863.09, 3858377.25	9.73E-03	3.07E-06	1.30E-06	1.05E-02	3.32E-06	1.41E-06	1.67E-02	5.27E-06	2.24E-06
4475	491363.09, 3858377.25	8.20E-03	2.59E-06	1.10E-06	8.86E-03	2.80E-06	1.19E-06	1.41E-02	4.46E-06	1.89E-06
4476	491863.09, 3858377.25	6.11E-03	1.93E-06	8.19E-07	6.60E-03	2.08E-06	8.84E-07	1.06E-02	3.33E-06	1.41E-06
4477	492363.09, 3858377.25	3.85E-03	1.22E-06	5.16E-07	4.16E-03	1.31E-06	5.57E-07	6.63E-03	2.09E-06	8.88E-07
4478	492863.09, 3858377.25	3.93E-03	1.24E-06	5.27E-07	4.25E-03	1.34E-06	5.69E-07	6.77E-03	2.14E-06	9.07E-07
4479	493363.09, 3858377.25	3.26E-03	1.03E-06	4.37E-07	3.52E-03	1.11E-06	4.71E-07	5.61E-03	1.77E-06	7.51E-07
4480	493863.09, 3858377.25	2.89E-03	9.12E-07	3.87E-07	3.12E-03	9.85E-07	4.18E-07	4.97E-03	1.57E-06	6.66E-07
4481	494363.09, 3858377.25	2.52E-03	7.94E-07	3.37E-07	2.72E-03	8.58E-07	3.64E-07	4.33E-03	1.37E-06	5.79E-07
4482	494863.09, 3858377.25	2.22E-03	7.02E-07	2.98E-07	2.40E-03	7.58E-07	3.22E-07	3.82E-03	1.21E-06	5.12E-07
4483	495363.09, 3858377.25	1.92E-03	6.07E-07	2.58E-07	2.08E-03	6.56E-07	2.78E-07	3.31E-03	1.04E-06	4.43E-07
4484	495863.09, 3858377.25	1.84E-03	5.81E-07	2.47E-07	1.99E-03	6.28E-07	2.66E-07	3.17E-03	9.99E-07	4.24E-07
4485	496363.09, 3858377.25	1.75E-03	5.52E-07	2.34E-07	1.89E-03	5.97E-07	2.53E-07	3.01E-03	9.49E-07	4.03E-07
4486	496863.09, 3858377.25	1.79E-03	5.66E-07	2.40E-07	1.93E-03	6.11E-07	2.59E-07	3.08E-03	9.72E-07	4.13E-07
4487	497363.09, 3858377.25	1.76E-03	5.57E-07	2.36E-07	1.90E-03	6.01E-07	2.55E-07	3.03E-03	9.57E-07	4.06E-07
4488	497863.09, 3858377.25	1.91E-03	6.03E-07	2.56E-07	2.06E-03	6.51E-07	2.76E-07	3.29E-03	1.04E-06	4.40E-07
4489	498363.09, 3858377.25	2.12E-03	6.68E-07	2.83E-07	2.28E-03	7.21E-07	3.06E-07	3.64E-03	1.15E-06	4.88E-07
4490	471363.09, 3858877.25	3.97E-04	1.25E-07	5.32E-08	4.29E-04	1.35E-07	5.74E-08	6.80E-04	2.15E-07	9.10E-08
4491	471863.09, 3858877.25	4.11E-04	1.30E-07	5.51E-08	4.44E-04	1.40E-07	5.94E-08	7.03E-04	2.22E-07	9.42E-08
4492	472363.09, 3858877.25	4.48E-04	1.41E-07	6.00E-08	4.83E-04	1.53E-07	6.47E-08	7.66E-04	2.42E-07	1.03E-07
4493	472863.09, 3858877.25	4.82E-04	1.52E-07	6.46E-08	5.20E-04	1.64E-07	6.97E-08	8.25E-04	2.60E-07	1.10E-07
4494	473363.09, 3858877.25	5.38E-04	1.70E-07	7.20E-08	5.80E-04	1.83E-07	7.77E-08	9.20E-04	2.91E-07	1.23E-07
4495	473863.09, 3858877.25	5.51E-04	1.74E-07	7.38E-08	5.95E-04	1.88E-07	7.96E-08	9.44E-04	2.98E-07	1.26E-07
4496	474363.09, 3858877.25	4.99E-04	1.58E-07	6.68E-08	5.39E-04	1.70E-07	7.21E-08	8.54E-04	2.69E-07	1.14E-07
4497	474863.09, 3858877.25	2.25E-04	7.09E-08	3.01E-08	2.42E-04	7.64E-08	3.24E-08	3.82E-04	1.21E-07	5.12E-08
4498	475363.09, 3858877.25	1.69E-04	5.33E-08	2.26E-08	1.82E-04	5.74E-08	2.44E-08	2.87E-04	9.05E-08	3.84E-08
4499	475863.09, 3858877.25	1.95E-04	6.17E-08	2.62E-08	2.11E-04	6.65E-08	2.82E-08	3.32E-04	1.05E-07	4.45E-08
4500	476363.09, 3858877.25	1.28E-04	4.03E-08	1.71E-08	1.38E-04	4.34E-08	1.84E-08	2.16E-04	6.83E-08	2.90E-08
4501	476863.09, 3858877.25	1.62E-04	5.10E-08	2.17E-08	1.74E-04	5.50E-08	2.34E-08	2.75E-04	8.67E-08	3.68E-08
4502	477363.09, 3858877.25	1.67E-04	5.28E-08	2.24E-08	1.80E-04	5.69E-08	2.41E-08	2.84E-04	8.95E-08	3.80E-08
4503	477863.09, 3858877.25	2.09E-04	6.59E-08	2.80E-08	2.25E-04	7.11E-08	3.02E-08	3.54E-04	1.12E-07	4.74E-08
4504	478363.09, 3858877.25	4.39E-04	1.38E-07	5.87E-08	4.73E-04	1.49E-07	6.33E-08	7.46E-04	2.35E-07	9.99E-08
4505	478863.09, 3858877.25	3.68E-04	1.16E-07	4.92E-08	3.96E-04	1.25E-07	5.31E-08	6.24E-04	1.97E-07	8.36E-08
4506	479363.09, 3858877.25	3.00E-04	9.47E-08	4.02E-08	3.23E-04	1.02E-07	4.33E-08	5.08E-04	1.60E-07	6.81E-08
4507	479863.09, 3858877.25	1.45E-03	4.59E-07	1.95E-07	1.57E-03	4.96E-07	2.10E-07	2.49E-03	7.86E-07	3.34E-07
4508	480363.09, 3858877.25	1.71E-03	5.39E-07	2.29E-07	1.84E-03	5.81E-07	2.47E-07	2.92E-03	9.22E-07	3.91E-07
4509	480863.09, 3858877.25	1.93E-03	6.10E-07	2.59E-07	2.08E-03	6.58E-07	2.79E-07	3.30E-03	1.04E-06	4.42E-07
4510	481363.09, 3858877.25	2.15E-03	6.78E-07	2.88E-07	2.32E-03	7.32E-07	3.11E-07	3.67E-03	1.16E-06	4.92E-07

4511	481863.09, 3858877.25	2.42E-03	7.63E-07	3.24E-07	2.61E-03	8.23E-07	3.49E-07	4.13E-03	1.30E-06	5.53E-07
4512	482363.09, 3858877.25	2.66E-03	8.41E-07	3.57E-07	2.87E-03	9.07E-07	3.85E-07	4.55E-03	1.44E-06	6.09E-07
4513	482863.09, 3858877.25	3.01E-03	9.50E-07	4.03E-07	3.25E-03	1.02E-06	4.35E-07	5.14E-03	1.62E-06	6.88E-07
4514	483363.09, 3858877.25	3.38E-03	1.07E-06	4.53E-07	3.65E-03	1.15E-06	4.88E-07	5.73E-03	1.81E-06	7.68E-07
4515	483863.09, 3858877.25	3.68E-03	1.16E-06	4.92E-07	3.96E-03	1.25E-06	5.30E-07	6.22E-03	1.96E-06	8.33E-07
4516	484363.09, 3858877.25	4.09E-03	1.29E-06	5.48E-07	4.41E-03	1.39E-06	5.90E-07	6.92E-03	2.18E-06	9.26E-07
4517	484863.09, 3858877.25	4.56E-03	1.44E-06	6.11E-07	4.92E-03	1.55E-06	6.59E-07	7.71E-03	2.43E-06	1.03E-06
4518	485363.09, 3858877.25	5.08E-03	1.60E-06	6.80E-07	5.47E-03	1.73E-06	7.33E-07	8.57E-03	2.70E-06	1.15E-06
4519	485863.09, 3858877.25	5.72E-03	1.81E-06	7.66E-07	6.17E-03	1.95E-06	8.26E-07	9.65E-03	3.05E-06	1.29E-06
4520	486363.09, 3858877.25	6.35E-03	2.01E-06	8.51E-07	6.84E-03	2.16E-06	9.17E-07	1.07E-02	3.38E-06	1.43E-06
4521	486863.09, 3858877.25	7.11E-03	2.25E-06	9.53E-07	7.66E-03	2.42E-06	1.03E-06	1.20E-02	3.77E-06	1.60E-06
4522	487363.09, 3858877.25	8.21E-03	2.59E-06	1.10E-06	8.84E-03	2.79E-06	1.18E-06	1.37E-02	4.34E-06	1.84E-06
4523	487863.09, 3858877.25	9.13E-03	2.88E-06	1.22E-06	9.82E-03	3.10E-06	1.32E-06	1.51E-02	4.78E-06	2.03E-06
4524	488363.09, 3858877.25	1.06E-02	3.36E-06	1.42E-06	1.14E-02	3.60E-06	1.53E-06	1.70E-02	5.37E-06	2.28E-06
4525	488863.09, 3858877.25	2.33E-02	7.35E-06	3.12E-06	2.43E-02	7.68E-06	3.26E-06	2.95E-02	9.30E-06	3.95E-06
4526	489363.09, 3858877.25	1.08E-02	3.42E-06	1.45E-06	1.16E-02	3.66E-06	1.55E-06	1.74E-02	5.48E-06	2.33E-06
4527	489863.09, 3858877.25	9.25E-03	2.92E-06	1.24E-06	9.95E-03	3.14E-06	1.33E-06	1.54E-02	4.86E-06	2.06E-06
4528	490363.09, 3858877.25	8.22E-03	2.60E-06	1.10E-06	8.86E-03	2.80E-06	1.19E-06	1.39E-02	4.40E-06	1.87E-06
4529	490863.09, 3858877.25	7.12E-03	2.25E-06	9.54E-07	7.69E-03	2.43E-06	1.03E-06	1.22E-02	3.85E-06	1.63E-06
4530	491363.09, 3858877.25	5.64E-03	1.78E-06	7.55E-07	6.09E-03	1.92E-06	8.15E-07	9.71E-03	3.06E-06	1.30E-06
4531	491863.09, 3858877.25	3.98E-03	1.26E-06	5.33E-07	4.29E-03	1.36E-06	5.75E-07	6.84E-03	2.16E-06	9.16E-07
4532	492363.09, 3858877.25	4.32E-03	1.36E-06	5.78E-07	4.66E-03	1.47E-06	6.24E-07	7.44E-03	2.35E-06	9.96E-07
4533	492863.09, 3858877.25	4.53E-03	1.43E-06	6.07E-07	4.90E-03	1.55E-06	6.56E-07	7.81E-03	2.47E-06	1.05E-06
4534	493363.09, 3858877.25	3.99E-03	1.26E-06	5.35E-07	4.31E-03	1.36E-06	5.78E-07	6.88E-03	2.17E-06	9.22E-07
4535	493863.09, 3858877.25	3.21E-03	1.01E-06	4.29E-07	3.46E-03	1.09E-06	4.64E-07	5.52E-03	1.74E-06	7.39E-07
4536	494363.09, 3858877.25	2.89E-03	9.12E-07	3.87E-07	3.12E-03	9.85E-07	4.18E-07	4.97E-03	1.57E-06	6.66E-07
4537	494863.09, 3858877.25	2.55E-03	8.04E-07	3.41E-07	2.75E-03	8.68E-07	3.68E-07	4.38E-03	1.38E-06	5.87E-07
4538	495363.09, 3858877.25	2.25E-03	7.10E-07	3.01E-07	2.43E-03	7.66E-07	3.25E-07	3.87E-03	1.22E-06	5.18E-07
4539	495863.09, 3858877.25	2.09E-03	6.60E-07	2.80E-07	2.26E-03	7.13E-07	3.02E-07	3.59E-03	1.13E-06	4.81E-07
4540	496363.09, 3858877.25	2.02E-03	6.39E-07	2.71E-07	2.19E-03	6.90E-07	2.93E-07	3.48E-03	1.10E-06	4.66E-07
4541	496863.09, 3858877.25	1.97E-03	6.21E-07	2.63E-07	2.12E-03	6.70E-07	2.84E-07	3.38E-03	1.07E-06	4.53E-07
4542	497363.09, 3858877.25	1.90E-03	6.01E-07	2.55E-07	2.06E-03	6.49E-07	2.75E-07	3.28E-03	1.03E-06	4.39E-07
4543	497863.09, 3858877.25	2.08E-03	6.58E-07	2.79E-07	2.25E-03	7.10E-07	3.01E-07	3.59E-03	1.13E-06	4.81E-07
4544	498363.09, 3858877.25	2.23E-03	7.05E-07	2.99E-07	2.41E-03	7.61E-07	3.23E-07	3.85E-03	1.21E-06	5.15E-07
4545	471363.09, 3859377.25	4.06E-04	1.28E-07	5.44E-08	4.38E-04	1.38E-07	5.87E-08	6.95E-04	2.19E-07	9.31E-08
4546	471863.09, 3859377.25	4.29E-04	1.36E-07	5.75E-08	4.63E-04	1.46E-07	6.21E-08	7.35E-04	2.32E-07	9.84E-08
4547	472363.09, 3859377.25	4.68E-04	1.48E-07	6.27E-08	5.05E-04	1.59E-07	6.77E-08	8.02E-04	2.53E-07	1.07E-07
4548	472863.09, 3859377.25	5.03E-04	1.59E-07	6.74E-08	5.43E-04	1.71E-07	7.27E-08	8.62E-04	2.72E-07	1.15E-07
4549	473363.09, 3859377.25	5.47E-04	1.73E-07	7.32E-08	5.90E-04	1.86E-07	7.90E-08	9.37E-04	2.96E-07	1.26E-07
4550	473863.09, 3859377.25	5.74E-04	1.81E-07	7.69E-08	6.20E-04	1.96E-07	8.30E-08	9.84E-04	3.11E-07	1.32E-07
4551	474363.09, 3859377.25	5.11E-04	1.61E-07	6.85E-08	5.52E-04	1.74E-07	7.39E-08	8.75E-04	2.76E-07	1.17E-07
4552	474863.09, 3859377.25	3.59E-04	1.13E-07	4.81E-08	3.87E-04	1.22E-07	5.18E-08	6.12E-04	1.93E-07	8.20E-08
4553	475363.09, 3859377.25	2.28E-04	7.21E-08	3.06E-08	2.46E-04	7.77E-08	3.30E-08	3.88E-04	1.23E-07	5.20E-08
4554	475863.09, 3859377.25	1.51E-04	4.77E-08	2.03E-08	1.63E-04	5.15E-08	2.18E-08	2.57E-04	8.11E-08	3.44E-08
4555	476363.09, 3859377.25	1.38E-04	4.35E-08	1.85E-08	1.49E-04	4.69E-08	1.99E-08	2.34E-04	7.38E-08	3.13E-08
4556	476863.09, 3859377.25	1.14E-04	3.60E-08	1.53E-08	1.23E-04	3.88E-08	1.65E-08	1.93E-04	6.09E-08	2.59E-08
4557	477363.09, 3859377.25	1.24E-04	3.93E-08	1.67E-08	1.34E-04	4.23E-08	1.79E-08	2.10E-04	6.62E-08	2.81E-08
4558	477863.09, 3859377.25	2.30E-04	7.25E-08	3.07E-08	2.48E-04	7.81E-08	3.31E-08	3.89E-04	1.23E-07	5.21E-08
4559	478363.09, 3859377.25	3.75E-04	1.18E-07	5.02E-08	4.04E-04	1.28E-07	5.41E-08	6.37E-04	2.01E-07	8.53E-08
4560	478863.09, 3859377.25	6.47E-04	2.04E-07	8.67E-08	6.98E-04	2.20E-07	9.35E-08	1.11E-03	3.49E-07	1.48E-07
4561	479363.09, 3859377.25	9.67E-04	3.05E-07	1.29E-07	1.04E-03	3.29E-07	1.40E-07	1.66E-03	5.23E-07	2.22E-07
4562	479863.09, 3859377.25	1.27E-03	4.02E-07	1.71E-07	1.38E-03	4.34E-07	1.84E-07	2.18E-03	6.89E-07	2.92E-07
4563	480363.09, 3859377.25	1.56E-03	4.92E-07	2.09E-07	1.68E-03	5.31E-07	2.25E-07	2.67E-03	8.41E-07	3.57E-07
4564	480863.09, 3859377.25	1.76E-03	5.56E-07	2.36E-07	1.90E-03	6.00E-07	2.55E-07	3.01E-03	9.50E-07	4.03E-07
4565	481363.09, 3859377.25	1.96E-03	6.18E-07	2.62E-07	2.11E-03	6.66E-07	2.83E-07	3.34E-03	1.05E-06	4.47E-07
4566	481863.09, 3859377.25	2.16E-03	6.82E-07	2.89E-07	2.33E-03	7.36E-07	3.12E-07	3.69E-03	1.16E-06	4.94E-07
4567	482363.09, 3859377.25	2.36E-03	7.45E-07	3.16E-07	2.55E-03	8.04E-07	3.41E-07	4.02E-03	1.27E-06	5.39E-07
4568	482863.09, 3859377.25	2.62E-03	8.26E-07	3.50E-07	2.82E-03	8.91E-07	3.78E-07	4.46E-03	1.41E-06	5.97E-07
4569	483363.09, 3859377.25	2.89E-03	9.11E-07	3.86E-07	3.11E-03	9.82E-07	4.17E-07	4.90E-03	1.55E-06	6.56E-07
4570	483863.09, 3859377.25	3.00E-03	9.47E-07	4.02E-07	3.23E-03	1.02E-06	4.33E-07	5.07E-03	1.60E-06	6.80E-07
4571	484363.09, 3859377.25	3.26E-03	1.03E-06	4.37E-07	3.51E-03	1.11E-06	4.71E-07	5.51E-03	1.74E-06	7.38E-07

4572 484863.09, 3859377.25	3.55E-03	1.12E-06	4.76E-07	3.83E-03	1.21E-06	5.13E-07	6.01E-03	1.90E-06	8.04E-07
4573 485363.09, 3859377.25	3.82E-03	1.21E-06	5.12E-07	4.12E-03	1.30E-06	5.52E-07	6.45E-03	2.04E-06	8.64E-07
4574 485863.09, 3859377.25	4.07E-03	1.28E-06	5.45E-07	4.39E-03	1.38E-06	5.87E-07	6.86E-03	2.17E-06	9.19E-07
4575 486363.09, 3859377.25	4.33E-03	1.37E-06	5.80E-07	4.67E-03	1.47E-06	6.25E-07	7.30E-03	2.30E-06	9.77E-07
4576 486863.09, 3859377.25	4.57E-03	1.44E-06	6.12E-07	4.92E-03	1.55E-06	6.59E-07	7.68E-03	2.42E-06	1.03E-06
4577 487363.09, 3859377.25	4.79E-03	1.51E-06	6.42E-07	5.16E-03	1.63E-06	6.91E-07	8.04E-03	2.54E-06	1.08E-06
4578 487863.09, 3859377.25	5.05E-03	1.60E-06	6.77E-07	5.44E-03	1.72E-06	7.28E-07	8.44E-03	2.66E-06	1.13E-06
4579 488363.09, 3859377.25	5.33E-03	1.68E-06	7.14E-07	5.74E-03	1.81E-06	7.68E-07	8.89E-03	2.81E-06	1.19E-06
4580 488863.09, 3859377.25	5.47E-03	1.73E-06	7.32E-07	5.89E-03	1.86E-06	7.88E-07	9.16E-03	2.89E-06	1.23E-06
4581 489363.09, 3859377.25	5.27E-03	1.66E-06	7.05E-07	5.67E-03	1.79E-06	7.59E-07	8.84E-03	2.79E-06	1.18E-06
4582 489863.09, 3859377.25	5.41E-03	1.71E-06	7.25E-07	5.83E-03	1.84E-06	7.80E-07	9.09E-03	2.87E-06	1.22E-06
4583 490363.09, 3859377.25	5.42E-03	1.71E-06	7.25E-07	5.84E-03	1.84E-06	7.82E-07	9.18E-03	2.90E-06	1.23E-06
4584 490863.09, 3859377.25	5.10E-03	1.61E-06	6.83E-07	5.50E-03	1.74E-06	7.37E-07	8.71E-03	2.75E-06	1.17E-06
4585 491363.09, 3859377.25	4.10E-03	1.29E-06	5.49E-07	4.43E-03	1.40E-06	5.93E-07	7.05E-03	2.23E-06	9.45E-07
4586 491863.09, 3859377.25	4.42E-03	1.40E-06	5.92E-07	4.77E-03	1.51E-06	6.39E-07	7.59E-03	2.40E-06	1.02E-06
4587 492363.09, 3859377.25	4.17E-03	1.32E-06	5.59E-07	4.51E-03	1.42E-06	6.04E-07	7.17E-03	2.26E-06	9.60E-07
4588 492863.09, 3859377.25	3.98E-03	1.25E-06	5.32E-07	4.29E-03	1.35E-06	5.75E-07	6.83E-03	2.16E-06	9.15E-07
4589 493363.09, 3859377.25	3.62E-03	1.14E-06	4.84E-07	3.90E-03	1.23E-06	5.23E-07	6.22E-03	1.96E-06	8.33E-07
4590 493863.09, 3859377.25	3.43E-03	1.08E-06	4.59E-07	3.70E-03	1.17E-06	4.96E-07	5.90E-03	1.86E-06	7.90E-07
4591 494363.09, 3859377.25	3.16E-03	9.97E-07	4.23E-07	3.41E-03	1.08E-06	4.57E-07	5.44E-03	1.72E-06	7.28E-07
4592 494863.09, 3859377.25	2.72E-03	8.59E-07	3.64E-07	2.94E-03	9.28E-07	3.94E-07	4.69E-03	1.48E-06	6.28E-07
4593 495363.09, 3859377.25	2.57E-03	8.12E-07	3.45E-07	2.78E-03	8.77E-07	3.72E-07	4.43E-03	1.40E-06	5.93E-07
4594 495863.09, 3859377.25	2.36E-03	7.46E-07	3.17E-07	2.55E-03	8.06E-07	3.42E-07	4.07E-03	1.29E-06	5.45E-07
4595 496363.09, 3859377.25	2.31E-03	7.30E-07	3.10E-07	2.50E-03	7.88E-07	3.35E-07	3.98E-03	1.26E-06	5.34E-07
4596 496863.09, 3859377.25	2.07E-03	6.53E-07	2.77E-07	2.23E-03	7.05E-07	2.99E-07	3.56E-03	1.12E-06	4.77E-07
4597 497363.09, 3859377.25	2.11E-03	6.66E-07	2.83E-07	2.28E-03	7.20E-07	3.05E-07	3.64E-03	1.15E-06	4.87E-07
4598 497863.09, 3859377.25	2.23E-03	7.03E-07	2.98E-07	2.41E-03	7.60E-07	3.22E-07	3.84E-03	1.21E-06	5.14E-07
4599 498363.09, 3859377.25	2.26E-03	7.12E-07	3.02E-07	2.44E-03	7.70E-07	3.27E-07	3.89E-03	1.23E-06	5.21E-07
4600 471363.09, 3859877.25	4.21E-04	1.33E-07	5.64E-08	4.54E-04	1.43E-07	6.09E-08	7.21E-04	2.28E-07	9.66E-08
4601 471863.09, 3859877.25	4.49E-04	1.42E-07	6.01E-08	4.85E-04	1.53E-07	6.49E-08	7.70E-04	2.43E-07	1.03E-07
4602 472363.09, 3859877.25	4.74E-04	1.49E-07	6.34E-08	5.11E-04	1.61E-07	6.85E-08	8.12E-04	2.56E-07	1.09E-07
4603 472863.09, 3859877.25	5.12E-04	1.61E-07	6.85E-08	5.52E-04	1.74E-07	7.40E-08	8.77E-04	2.77E-07	1.17E-07
4604 473363.09, 3859877.25	5.49E-04	1.73E-07	7.35E-08	5.92E-04	1.87E-07	7.93E-08	9.39E-04	2.96E-07	1.26E-07
4605 473863.09, 3859877.25	5.81E-04	1.83E-07	7.78E-08	6.27E-04	1.98E-07	8.39E-08	9.93E-04	3.13E-07	1.33E-07
4606 474363.09, 3859877.25	5.46E-04	1.72E-07	7.31E-08	5.89E-04	1.86E-07	7.88E-08	9.33E-04	2.94E-07	1.25E-07
4607 474863.09, 3859877.25	4.61E-04	1.46E-07	6.17E-08	4.98E-04	1.57E-07	6.66E-08	7.88E-04	2.49E-07	1.06E-07
4608 475363.09, 3859877.25	2.76E-04	8.70E-08	3.69E-08	2.97E-04	9.38E-08	3.98E-08	4.69E-04	1.48E-07	6.28E-08
4609 475863.09, 3859877.25	1.46E-04	4.59E-08	1.95E-08	1.57E-04	4.95E-08	2.10E-08	2.47E-04	7.79E-08	3.31E-08
4610 476363.09, 3859877.25	9.29E-05	2.93E-08	1.24E-08	1.00E-04	3.16E-08	1.34E-08	1.57E-04	4.95E-08	2.10E-08
4611 476863.09, 3859877.25	1.07E-04	3.38E-08	1.43E-08	1.15E-04	3.64E-08	1.54E-08	1.81E-04	5.70E-08	2.42E-08
4612 477363.09, 3859877.25	1.14E-04	3.60E-08	1.53E-08	1.23E-04	3.88E-08	1.65E-08	1.92E-04	6.06E-08	2.57E-08
4613 477863.09, 3859877.25	2.04E-04	6.44E-08	2.73E-08	2.20E-04	6.94E-08	2.94E-08	3.45E-04	1.09E-07	4.62E-08
4614 478363.09, 3859877.25	3.69E-04	1.16E-07	4.94E-08	3.98E-04	1.26E-07	5.33E-08	6.27E-04	1.98E-07	8.40E-08
4615 478863.09, 3859877.25	6.34E-04	2.00E-07	8.49E-08	6.84E-04	2.16E-07	9.16E-08	1.08E-03	3.42E-07	1.45E-07
4616 479363.09, 3859877.25	9.82E-04	3.10E-07	1.32E-07	1.06E-03	3.35E-07	1.42E-07	1.68E-03	5.31E-07	2.25E-07
4617 479863.09, 3859877.25	1.25E-03	3.94E-07	1.67E-07	1.35E-03	4.25E-07	1.80E-07	2.14E-03	6.74E-07	2.86E-07
4618 480363.09, 3859877.25	1.46E-03	4.59E-07	1.95E-07	1.57E-03	4.96E-07	2.10E-07	2.49E-03	7.85E-07	3.33E-07
4619 480863.09, 3859877.25	1.61E-03	5.07E-07	2.15E-07	1.73E-03	5.47E-07	2.32E-07	2.74E-03	8.65E-07	3.67E-07
4620 481363.09, 3859877.25	1.76E-03	5.56E-07	2.36E-07	1.90E-03	6.00E-07	2.55E-07	3.00E-03	9.48E-07	4.02E-07
4621 481863.09, 3859877.25	1.91E-03	6.03E-07	2.56E-07	2.06E-03	6.51E-07	2.76E-07	3.26E-03	1.03E-06	4.36E-07
4622 482363.09, 3859877.25	2.07E-03	6.54E-07	2.78E-07	2.24E-03	7.05E-07	2.99E-07	3.53E-03	1.11E-06	4.73E-07
4623 482863.09, 3859877.25	2.25E-03	7.10E-07	3.01E-07	2.43E-03	7.66E-07	3.25E-07	3.83E-03	1.21E-06	5.13E-07
4624 483363.09, 3859877.25	2.42E-03	7.62E-07	3.24E-07	2.61E-03	8.22E-07	3.49E-07	4.11E-03	1.30E-06	5.50E-07
4625 483863.09, 3859877.25	2.50E-03	7.90E-07	3.35E-07	2.70E-03	8.51E-07	3.61E-07	4.23E-03	1.34E-06	5.67E-07
4626 484363.09, 3859877.25	2.63E-03	8.30E-07	3.52E-07	2.83E-03	8.94E-07	3.79E-07	4.44E-03	1.40E-06	5.95E-07
4627 484863.09, 3859877.25	2.80E-03	8.83E-07	3.75E-07	3.01E-03	9.52E-07	4.04E-07	4.73E-03	1.49E-06	6.33E-07
4628 485363.09, 3859877.25	2.94E-03	9.29E-07	3.94E-07	3.17E-03	1.00E-06	4.25E-07	4.97E-03	1.57E-06	6.65E-07
4629 485863.09, 3859877.25	3.06E-03	9.67E-07	4.10E-07	3.30E-03	1.04E-06	4.42E-07	5.16E-03	1.63E-06	6.91E-07
4630 486363.09, 3859877.25	3.17E-03	1.00E-06	4.25E-07	3.42E-03	1.08E-06	4.58E-07	5.34E-03	1.69E-06	7.16E-07
4631 486863.09, 3859877.25	3.30E-03	1.04E-06	4.41E-07	3.55E-03	1.12E-06	4.75E-07	5.55E-03	1.75E-06	7.43E-07
4632 487363.09, 3859877.25	3.31E-03	1.05E-06	4.43E-07	3.57E-03	1.13E-06	4.78E-07	5.56E-03	1.76E-06	7.45E-07

4633 487863.09, 3859877.25	3.44E-03	1.09E-06	4.61E-07	3.71E-03	1.17E-06	4.97E-07	5.78E-03	1.83E-06	7.74E-07
4634 488363.09, 3859877.25	3.50E-03	1.11E-06	4.69E-07	3.77E-03	1.19E-06	5.05E-07	5.89E-03	1.86E-06	7.89E-07
4635 488863.09, 3859877.25	3.65E-03	1.15E-06	4.89E-07	3.93E-03	1.24E-06	5.27E-07	6.17E-03	1.95E-06	8.26E-07
4636 489363.09, 3859877.25	3.69E-03	1.16E-06	4.94E-07	3.98E-03	1.26E-06	5.33E-07	6.26E-03	1.97E-06	8.38E-07
4637 489863.09, 3859877.25	3.51E-03	1.11E-06	4.70E-07	3.79E-03	1.19E-06	5.07E-07	5.96E-03	1.88E-06	7.98E-07
4638 490363.09, 3859877.25	3.44E-03	1.09E-06	4.61E-07	3.71E-03	1.17E-06	4.97E-07	5.84E-03	1.84E-06	7.82E-07
4639 490863.09, 3859877.25	3.62E-03	1.14E-06	4.84E-07	3.90E-03	1.23E-06	5.22E-07	6.15E-03	1.94E-06	8.24E-07
4640 491363.09, 3859877.25	3.64E-03	1.15E-06	4.87E-07	3.93E-03	1.24E-06	5.26E-07	6.21E-03	1.96E-06	8.32E-07
4641 491863.09, 3859877.25	3.58E-03	1.13E-06	4.80E-07	3.87E-03	1.22E-06	5.18E-07	6.13E-03	1.94E-06	8.21E-07
4642 492363.09, 3859877.25	3.48E-03	1.10E-06	4.66E-07	3.75E-03	1.18E-06	5.03E-07	5.96E-03	1.88E-06	7.98E-07
4643 492863.09, 3859877.25	3.32E-03	1.05E-06	4.45E-07	3.58E-03	1.13E-06	4.80E-07	5.69E-03	1.80E-06	7.62E-07
4644 493363.09, 3859877.25	3.16E-03	9.99E-07	4.24E-07	3.42E-03	1.08E-06	4.58E-07	5.43E-03	1.71E-06	7.27E-07
4645 493863.09, 3859877.25	3.01E-03	9.51E-07	4.03E-07	3.25E-03	1.03E-06	4.35E-07	5.17E-03	1.63E-06	6.92E-07
4646 494363.09, 3859877.25	2.84E-03	8.97E-07	3.80E-07	3.07E-03	9.68E-07	4.11E-07	4.88E-03	1.54E-06	6.53E-07
4647 494863.09, 3859877.25	2.72E-03	8.59E-07	3.65E-07	2.94E-03	9.28E-07	3.94E-07	4.68E-03	1.48E-06	6.27E-07
4648 495363.09, 3859877.25	2.58E-03	8.15E-07	3.46E-07	2.79E-03	8.80E-07	3.73E-07	4.44E-03	1.40E-06	5.95E-07
4649 495863.09, 3859877.25	2.43E-03	7.68E-07	3.26E-07	2.63E-03	8.29E-07	3.52E-07	4.18E-03	1.32E-06	5.60E-07
4650 496363.09, 3859877.25	2.20E-03	6.96E-07	2.95E-07	2.38E-03	7.52E-07	3.19E-07	3.80E-03	1.20E-06	5.08E-07
4651 496863.09, 3859877.25	1.70E-03	5.36E-07	2.28E-07	1.84E-03	5.79E-07	2.46E-07	2.93E-03	9.23E-07	3.92E-07
4652 497363.09, 3859877.25	1.98E-03	6.24E-07	2.65E-07	2.14E-03	6.75E-07	2.86E-07	3.41E-03	1.08E-06	4.56E-07
4653 497863.09, 3859877.25	2.13E-03	6.72E-07	2.85E-07	2.30E-03	7.26E-07	3.08E-07	3.67E-03	1.16E-06	4.91E-07
4654 498363.09, 3859877.25	2.11E-03	6.67E-07	2.83E-07	2.28E-03	7.20E-07	3.06E-07	3.64E-03	1.15E-06	4.88E-07
4655 471363.09, 3860377.25	4.30E-04	1.36E-07	5.75E-08	4.64E-04	1.46E-07	6.21E-08	7.36E-04	2.32E-07	9.86E-08
4656 471863.09, 3860377.25	4.54E-04	1.43E-07	6.09E-08	4.90E-04	1.55E-07	6.57E-08	7.78E-04	2.46E-07	1.04E-07
4657 472363.09, 3860377.25	4.84E-04	1.53E-07	6.48E-08	5.22E-04	1.65E-07	6.99E-08	8.28E-04	2.61E-07	1.11E-07
4658 472863.09, 3860377.25	5.16E-04	1.63E-07	6.91E-08	5.56E-04	1.76E-07	7.45E-08	8.81E-04	2.78E-07	1.18E-07
4659 473363.09, 3860377.25	5.46E-04	1.72E-07	7.31E-08	5.89E-04	1.86E-07	7.88E-08	9.32E-04	2.94E-07	1.25E-07
4660 473863.09, 3860377.25	5.72E-04	1.80E-07	7.66E-08	6.17E-04	1.95E-07	8.26E-08	9.77E-04	3.08E-07	1.31E-07
4661 474363.09, 3860377.25	5.80E-04	1.83E-07	7.77E-08	6.26E-04	1.98E-07	8.39E-08	9.92E-04	3.13E-07	1.33E-07
4662 474863.09, 3860377.25	5.64E-04	1.78E-07	7.56E-08	6.09E-04	1.92E-07	8.16E-08	9.65E-04	3.05E-07	1.29E-07
4663 475363.09, 3860377.25	4.94E-04	1.56E-07	6.61E-08	5.33E-04	1.68E-07	7.14E-08	8.45E-04	2.67E-07	1.13E-07
4664 475863.09, 3860377.25	4.03E-04	1.27E-07	5.40E-08	4.35E-04	1.37E-07	5.82E-08	6.88E-04	2.17E-07	9.21E-08
4665 476363.09, 3860377.25	3.08E-04	9.72E-08	4.12E-08	3.32E-04	1.05E-07	4.45E-08	5.24E-04	1.65E-07	7.02E-08
4666 476863.09, 3860377.25	2.75E-04	8.68E-08	3.68E-08	2.97E-04	9.36E-08	3.97E-08	4.67E-04	1.47E-07	6.26E-08
4667 477363.09, 3860377.25	1.67E-04	5.26E-08	2.23E-08	1.80E-04	5.67E-08	2.40E-08	2.82E-04	8.89E-08	3.77E-08
4668 477863.09, 3860377.25	2.12E-04	6.68E-08	2.84E-08	2.28E-04	7.20E-08	3.06E-08	3.58E-04	1.13E-07	4.80E-08
4669 478363.09, 3860377.25	4.12E-04	1.30E-07	5.52E-08	4.45E-04	1.40E-07	5.95E-08	7.02E-04	2.22E-07	9.40E-08
4670 478863.09, 3860377.25	6.49E-04	2.05E-07	8.69E-08	7.00E-04	2.21E-07	9.38E-08	1.11E-03	3.50E-07	1.49E-07
4671 479363.09, 3860377.25	9.41E-04	2.97E-07	1.26E-07	1.02E-03	3.21E-07	1.36E-07	1.61E-03	5.09E-07	2.16E-07
4672 479863.09, 3860377.25	1.18E-03	3.74E-07	1.59E-07	1.28E-03	4.03E-07	1.71E-07	2.03E-03	6.40E-07	2.71E-07
4673 480363.09, 3860377.25	1.34E-03	4.23E-07	1.80E-07	1.45E-03	4.57E-07	1.94E-07	2.29E-03	7.23E-07	3.07E-07
4674 480863.09, 3860377.25	1.46E-03	4.61E-07	1.96E-07	1.58E-03	4.97E-07	2.11E-07	2.49E-03	7.85E-07	3.33E-07
4675 481363.09, 3860377.25	1.57E-03	4.96E-07	2.10E-07	1.70E-03	5.35E-07	2.27E-07	2.68E-03	8.45E-07	3.59E-07
4676 481863.09, 3860377.25	1.69E-03	5.33E-07	2.26E-07	1.82E-03	5.75E-07	2.44E-07	2.88E-03	9.09E-07	3.86E-07
4677 482363.09, 3860377.25	1.81E-03	5.70E-07	2.42E-07	1.95E-03	6.15E-07	2.61E-07	3.07E-03	9.70E-07	4.12E-07
4678 482863.09, 3860377.25	1.92E-03	6.07E-07	2.57E-07	2.07E-03	6.54E-07	2.78E-07	3.27E-03	1.03E-06	4.38E-07
4679 483363.09, 3860377.25	2.03E-03	6.42E-07	2.72E-07	2.19E-03	6.92E-07	2.94E-07	3.45E-03	1.09E-06	4.62E-07
4680 483863.09, 3860377.25	2.14E-03	6.76E-07	2.87E-07	2.31E-03	7.28E-07	3.09E-07	3.63E-03	1.14E-06	4.86E-07
4681 484363.09, 3860377.25	2.17E-03	6.85E-07	2.91E-07	2.34E-03	7.38E-07	3.13E-07	3.66E-03	1.16E-06	4.91E-07
4682 484863.09, 3860377.25	2.27E-03	7.15E-07	3.03E-07	2.44E-03	7.70E-07	3.27E-07	3.82E-03	1.21E-06	5.12E-07
4683 485363.09, 3860377.25	2.35E-03	7.41E-07	3.14E-07	2.53E-03	7.98E-07	3.39E-07	3.96E-03	1.25E-06	5.30E-07
4684 485863.09, 3860377.25	2.42E-03	7.62E-07	3.23E-07	2.60E-03	8.21E-07	3.48E-07	4.07E-03	1.28E-06	5.45E-07
4685 486363.09, 3860377.25	2.44E-03	7.70E-07	3.27E-07	2.63E-03	8.30E-07	3.52E-07	4.11E-03	1.30E-06	5.51E-07
4686 486863.09, 3860377.25	2.45E-03	7.75E-07	3.29E-07	2.64E-03	8.35E-07	3.54E-07	4.13E-03	1.30E-06	5.53E-07
4687 487363.09, 3860377.25	2.46E-03	7.77E-07	3.30E-07	2.65E-03	8.37E-07	3.55E-07	4.14E-03	1.31E-06	5.54E-07
4688 487863.09, 3860377.25	2.52E-03	7.94E-07	3.37E-07	2.71E-03	8.55E-07	3.63E-07	4.23E-03	1.34E-06	5.67E-07
4689 488363.09, 3860377.25	2.57E-03	8.10E-07	3.44E-07	2.77E-03	8.73E-07	3.70E-07	4.33E-03	1.37E-06	5.80E-07
4690 488863.09, 3860377.25	2.63E-03	8.30E-07	3.52E-07	2.83E-03	8.95E-07	3.80E-07	4.45E-03	1.40E-06	5.96E-07
4691 489363.09, 3860377.25	2.71E-03	8.54E-07	3.63E-07	2.92E-03	9.21E-07	3.91E-07	4.60E-03	1.45E-06	6.15E-07
4692 489863.09, 3860377.25	2.74E-03	8.66E-07	3.67E-07	2.96E-03	9.34E-07	3.96E-07	4.67E-03	1.47E-06	6.25E-07
4693 490363.09, 3860377.25	2.60E-03	8.21E-07	3.49E-07	2.81E-03	8.86E-07	3.76E-07	4.43E-03	1.40E-06	5.94E-07

4694	490863.09, 3860377.25	2.49E-03	7.86E-07	3.33E-07	2.68E-03	8.47E-07	3.60E-07	4.24E-03	1.34E-06	5.68E-07
4695	491363.09, 3860377.25	2.51E-03	7.93E-07	3.36E-07	2.71E-03	8.55E-07	3.63E-07	4.28E-03	1.35E-06	5.73E-07
4696	491863.09, 3860377.25	2.60E-03	8.22E-07	3.49E-07	2.81E-03	8.87E-07	3.76E-07	4.45E-03	1.40E-06	5.95E-07
4697	492363.09, 3860377.25	2.68E-03	8.47E-07	3.60E-07	2.90E-03	9.15E-07	3.88E-07	4.60E-03	1.45E-06	6.15E-07
4698	492863.09, 3860377.25	2.66E-03	8.39E-07	3.56E-07	2.87E-03	9.05E-07	3.84E-07	4.56E-03	1.44E-06	6.10E-07
4699	493363.09, 3860377.25	2.63E-03	8.29E-07	3.52E-07	2.84E-03	8.95E-07	3.80E-07	4.51E-03	1.42E-06	6.04E-07
4700	493863.09, 3860377.25	2.54E-03	8.01E-07	3.40E-07	2.74E-03	8.65E-07	3.67E-07	4.36E-03	1.38E-06	5.84E-07
4701	494363.09, 3860377.25	2.46E-03	7.77E-07	3.30E-07	2.66E-03	8.39E-07	3.56E-07	4.23E-03	1.34E-06	5.67E-07
4702	494863.09, 3860377.25	2.37E-03	7.48E-07	3.18E-07	2.56E-03	8.08E-07	3.43E-07	4.08E-03	1.29E-06	5.46E-07
4703	495363.09, 3860377.25	2.29E-03	7.23E-07	3.07E-07	2.48E-03	7.81E-07	3.31E-07	3.95E-03	1.25E-06	5.28E-07
4704	495863.09, 3860377.25	2.17E-03	6.84E-07	2.90E-07	2.34E-03	7.38E-07	3.13E-07	3.72E-03	1.18E-06	4.99E-07
4705	496363.09, 3860377.25	2.02E-03	6.36E-07	2.70E-07	2.18E-03	6.87E-07	2.92E-07	3.47E-03	1.09E-06	4.64E-07
4706	496863.09, 3860377.25	1.87E-03	5.90E-07	2.50E-07	2.02E-03	6.37E-07	2.70E-07	3.22E-03	1.02E-06	4.31E-07
4707	497363.09, 3860377.25	1.68E-03	5.30E-07	2.25E-07	1.81E-03	5.72E-07	2.43E-07	2.89E-03	9.13E-07	3.87E-07
4708	497863.09, 3860377.25	1.84E-03	5.80E-07	2.46E-07	1.98E-03	6.26E-07	2.66E-07	3.16E-03	9.98E-07	4.23E-07
4709	498363.09, 3860377.25	1.87E-03	5.90E-07	2.50E-07	2.02E-03	6.37E-07	2.70E-07	3.22E-03	1.02E-06	4.31E-07
4710	471363.09, 3860877.25	4.34E-04	1.37E-07	5.82E-08	4.69E-04	1.48E-07	6.28E-08	7.43E-04	2.35E-07	9.95E-08
4711	471863.09, 3860877.25	4.58E-04	1.45E-07	6.14E-08	4.95E-04	1.56E-07	6.62E-08	7.84E-04	2.47E-07	1.05E-07
4712	472363.09, 3860877.25	4.82E-04	1.52E-07	6.46E-08	5.20E-04	1.64E-07	6.97E-08	8.24E-04	2.60E-07	1.10E-07
4713	472863.09, 3860877.25	5.09E-04	1.61E-07	6.82E-08	5.49E-04	1.73E-07	7.36E-08	8.70E-04	2.74E-07	1.16E-07
4714	473363.09, 3860877.25	5.34E-04	1.68E-07	7.15E-08	5.76E-04	1.82E-07	7.71E-08	9.11E-04	2.88E-07	1.22E-07
4715	473863.09, 3860877.25	5.58E-04	1.76E-07	7.48E-08	6.02E-04	1.90E-07	8.07E-08	9.54E-04	3.01E-07	1.28E-07
4716	474363.09, 3860877.25	5.82E-04	1.84E-07	7.79E-08	6.27E-04	1.98E-07	8.40E-08	9.94E-04	3.14E-07	1.33E-07
4717	474863.09, 3860877.25	6.09E-04	1.92E-07	8.15E-08	6.57E-04	2.07E-07	8.79E-08	1.04E-03	3.28E-07	1.39E-07
4718	475363.09, 3860877.25	6.13E-04	1.94E-07	8.21E-08	6.62E-04	2.09E-07	8.86E-08	1.05E-03	3.31E-07	1.40E-07
4719	475863.09, 3860877.25	5.87E-04	1.85E-07	7.86E-08	6.34E-04	2.00E-07	8.49E-08	1.00E-03	3.17E-07	1.35E-07
4720	476363.09, 3860877.25	5.25E-04	1.66E-07	7.03E-08	5.66E-04	1.79E-07	7.58E-08	8.98E-04	2.83E-07	1.20E-07
4721	476863.09, 3860877.25	5.01E-04	1.58E-07	6.71E-08	5.41E-04	1.71E-07	7.24E-08	8.57E-04	2.70E-07	1.15E-07
4722	477363.09, 3860877.25	5.19E-04	1.64E-07	6.95E-08	5.60E-04	1.77E-07	7.50E-08	8.88E-04	2.80E-07	1.19E-07
4723	477863.09, 3860877.25	4.41E-04	1.39E-07	5.90E-08	4.76E-04	1.50E-07	6.37E-08	7.52E-04	2.37E-07	1.01E-07
4724	478363.09, 3860877.25	2.53E-04	7.98E-08	3.38E-08	2.72E-04	8.60E-08	3.65E-08	4.28E-04	1.35E-07	5.73E-08
4725	478863.09, 3860877.25	6.02E-04	1.90E-07	8.06E-08	6.50E-04	2.05E-07	8.70E-08	1.03E-03	3.25E-07	1.38E-07
4726	479363.09, 3860877.25	9.02E-04	2.85E-07	1.21E-07	9.74E-04	3.07E-07	1.30E-07	1.55E-03	4.88E-07	2.07E-07
4727	479863.09, 3860877.25	1.10E-03	3.48E-07	1.48E-07	1.19E-03	3.75E-07	1.59E-07	1.88E-03	5.95E-07	2.52E-07
4728	480363.09, 3860877.25	1.22E-03	3.85E-07	1.63E-07	1.32E-03	4.15E-07	1.76E-07	2.08E-03	6.56E-07	2.79E-07
4729	480863.09, 3860877.25	1.31E-03	4.12E-07	1.75E-07	1.41E-03	4.45E-07	1.89E-07	2.22E-03	7.02E-07	2.98E-07
4730	481363.09, 3860877.25	1.40E-03	4.41E-07	1.87E-07	1.51E-03	4.76E-07	2.02E-07	2.38E-03	7.51E-07	3.19E-07
4731	481863.09, 3860877.25	1.48E-03	4.67E-07	1.98E-07	1.60E-03	5.04E-07	2.14E-07	2.52E-03	7.95E-07	3.37E-07
4732	482363.09, 3860877.25	1.57E-03	4.95E-07	2.10E-07	1.69E-03	5.34E-07	2.27E-07	2.67E-03	8.41E-07	3.57E-07
4733	482863.09, 3860877.25	1.65E-03	5.22E-07	2.22E-07	1.78E-03	5.63E-07	2.39E-07	2.81E-03	8.86E-07	3.76E-07
4734	483363.09, 3860877.25	1.73E-03	5.46E-07	2.32E-07	1.87E-03	5.89E-07	2.50E-07	2.93E-03	9.25E-07	3.93E-07
4735	483863.09, 3860877.25	1.80E-03	5.69E-07	2.41E-07	1.94E-03	6.13E-07	2.60E-07	3.05E-03	9.62E-07	4.08E-07
4736	484363.09, 3860877.25	1.85E-03	5.85E-07	2.48E-07	2.00E-03	6.31E-07	2.68E-07	3.13E-03	9.88E-07	4.19E-07
4737	484863.09, 3860877.25	1.87E-03	5.91E-07	2.51E-07	2.02E-03	6.36E-07	2.70E-07	3.16E-03	9.97E-07	4.23E-07
4738	485363.09, 3860877.25	1.93E-03	6.09E-07	2.58E-07	2.08E-03	6.56E-07	2.78E-07	3.25E-03	1.03E-06	4.36E-07
4739	485863.09, 3860877.25	1.98E-03	6.26E-07	2.66E-07	2.14E-03	6.74E-07	2.86E-07	3.34E-03	1.06E-06	4.48E-07
4740	486363.09, 3860877.25	1.96E-03	6.18E-07	2.62E-07	2.11E-03	6.65E-07	2.82E-07	3.30E-03	1.04E-06	4.41E-07
4741	486863.09, 3860877.25	1.94E-03	6.13E-07	2.60E-07	2.09E-03	6.60E-07	2.80E-07	3.27E-03	1.03E-06	4.38E-07
4742	487363.09, 3860877.25	1.94E-03	6.13E-07	2.60E-07	2.09E-03	6.60E-07	2.80E-07	3.27E-03	1.03E-06	4.37E-07
4743	487863.09, 3860877.25	1.94E-03	6.12E-07	2.60E-07	2.09E-03	6.59E-07	2.80E-07	3.26E-03	1.03E-06	4.37E-07
4744	488363.09, 3860877.25	2.02E-03	6.38E-07	2.71E-07	2.18E-03	6.87E-07	2.92E-07	3.41E-03	1.08E-06	4.57E-07
4745	488863.09, 3860877.25	2.02E-03	6.39E-07	2.71E-07	2.18E-03	6.88E-07	2.92E-07	3.43E-03	1.08E-06	4.59E-07
4746	489363.09, 3860877.25	2.09E-03	6.61E-07	2.80E-07	2.26E-03	7.13E-07	3.02E-07	3.55E-03	1.12E-06	4.76E-07
4747	489863.09, 3860877.25	2.10E-03	6.62E-07	2.81E-07	2.26E-03	7.14E-07	3.03E-07	3.57E-03	1.13E-06	4.78E-07
4748	490363.09, 3860877.25	2.12E-03	6.70E-07	2.84E-07	2.29E-03	7.23E-07	3.07E-07	3.62E-03	1.14E-06	4.84E-07
4749	490863.09, 3860877.25	2.04E-03	6.44E-07	2.73E-07	2.20E-03	6.95E-07	2.95E-07	3.48E-03	1.10E-06	4.66E-07
4750	491363.09, 3860877.25	1.94E-03	6.12E-07	2.59E-07	2.09E-03	6.60E-07	2.80E-07	3.31E-03	1.04E-06	4.43E-07
4751	491863.09, 3860877.25	1.93E-03	6.08E-07	2.58E-07	2.08E-03	6.56E-07	2.78E-07	3.29E-03	1.04E-06	4.41E-07
4752	492363.09, 3860877.25	1.95E-03	6.14E-07	2.61E-07	2.10E-03	6.63E-07	2.81E-07	3.33E-03	1.05E-06	4.45E-07
4753	492863.09, 3860877.25	2.02E-03	6.37E-07	2.70E-07	2.18E-03	6.88E-07	2.92E-07	3.45E-03	1.09E-06	4.63E-07
4754	493363.09, 3860877.25	2.09E-03	6.58E-07	2.79E-07	2.25E-03	7.11E-07	3.02E-07	3.58E-03	1.13E-06	4.79E-07

4755	493863.09, 3860877.25	2.07E-03	6.54E-07	2.77E-07	2.24E-03	7.06E-07	3.00E-07	3.56E-03	1.12E-06	4.76E-07
4756	494363.09, 3860877.25	2.04E-03	6.43E-07	2.73E-07	2.20E-03	6.95E-07	2.95E-07	3.50E-03	1.11E-06	4.69E-07
4757	494863.09, 3860877.25	2.00E-03	6.31E-07	2.68E-07	2.16E-03	6.82E-07	2.89E-07	3.44E-03	1.09E-06	4.61E-07
4758	495363.09, 3860877.25	1.95E-03	6.16E-07	2.61E-07	2.11E-03	6.65E-07	2.82E-07	3.36E-03	1.06E-06	4.50E-07
4759	495863.09, 3860877.25	1.89E-03	5.98E-07	2.54E-07	2.04E-03	6.45E-07	2.74E-07	3.26E-03	1.03E-06	4.37E-07
4760	496363.09, 3860877.25	1.85E-03	5.84E-07	2.48E-07	2.00E-03	6.31E-07	2.68E-07	3.19E-03	1.01E-06	4.27E-07
4761	496863.09, 3860877.25	1.77E-03	5.58E-07	2.37E-07	1.91E-03	6.03E-07	2.56E-07	3.04E-03	9.59E-07	4.07E-07
4762	497363.09, 3860877.25	1.72E-03	5.42E-07	2.30E-07	1.85E-03	5.85E-07	2.48E-07	2.95E-03	9.32E-07	3.95E-07
4763	497863.09, 3860877.25	1.66E-03	5.23E-07	2.22E-07	1.79E-03	5.65E-07	2.40E-07	2.85E-03	8.99E-07	3.82E-07
4764	498363.09, 3860877.25	1.64E-03	5.18E-07	2.20E-07	1.77E-03	5.60E-07	2.38E-07	2.83E-03	8.92E-07	3.79E-07
4765	471363.09, 3861377.25	4.33E-04	1.37E-07	5.80E-08	4.67E-04	1.48E-07	6.26E-08	7.40E-04	2.34E-07	9.91E-08
4766	471863.09, 3861377.25	4.53E-04	1.43E-07	6.07E-08	4.89E-04	1.54E-07	6.55E-08	7.74E-04	2.44E-07	1.04E-07
4767	472363.09, 3861377.25	4.74E-04	1.50E-07	6.34E-08	5.11E-04	1.61E-07	6.85E-08	8.09E-04	2.55E-07	1.08E-07
4768	472863.09, 3861377.25	4.98E-04	1.57E-07	6.67E-08	5.37E-04	1.70E-07	7.19E-08	8.50E-04	2.68E-07	1.14E-07
4769	473363.09, 3861377.25	5.21E-04	1.64E-07	6.98E-08	5.62E-04	1.77E-07	7.53E-08	8.90E-04	2.81E-07	1.19E-07
4770	473863.09, 3861377.25	5.43E-04	1.72E-07	7.28E-08	5.86E-04	1.85E-07	7.85E-08	9.28E-04	2.93E-07	1.24E-07
4771	474363.09, 3861377.25	5.73E-04	1.81E-07	7.67E-08	6.18E-04	1.95E-07	8.27E-08	9.78E-04	3.09E-07	1.31E-07
4772	474863.09, 3861377.25	5.95E-04	1.88E-07	7.97E-08	6.42E-04	2.03E-07	8.60E-08	1.02E-03	3.21E-07	1.36E-07
4773	475363.09, 3861377.25	6.27E-04	1.98E-07	8.40E-08	6.77E-04	2.14E-07	9.06E-08	1.07E-03	3.38E-07	1.43E-07
4774	475863.09, 3861377.25	6.46E-04	2.04E-07	8.65E-08	6.97E-04	2.20E-07	9.33E-08	1.10E-03	3.48E-07	1.48E-07
4775	476363.09, 3861377.25	6.51E-04	2.06E-07	8.72E-08	7.03E-04	2.22E-07	9.41E-08	1.11E-03	3.51E-07	1.49E-07
4776	476863.09, 3861377.25	6.58E-04	2.08E-07	8.81E-08	7.10E-04	2.24E-07	9.51E-08	1.13E-03	3.55E-07	1.51E-07
4777	477363.09, 3861377.25	6.68E-04	2.11E-07	8.95E-08	7.21E-04	2.28E-07	9.66E-08	1.14E-03	3.61E-07	1.53E-07
4778	477863.09, 3861377.25	5.56E-04	1.76E-07	7.45E-08	6.00E-04	1.89E-07	8.04E-08	9.52E-04	3.00E-07	1.27E-07
4779	478363.09, 3861377.25	3.14E-04	9.91E-08	4.21E-08	3.39E-04	1.07E-07	4.54E-08	5.33E-04	1.68E-07	7.14E-08
4780	478863.09, 3861377.25	4.06E-04	1.28E-07	5.44E-08	4.38E-04	1.38E-07	5.87E-08	6.92E-04	2.18E-07	9.27E-08
4781	479363.09, 3861377.25	8.10E-04	2.56E-07	1.08E-07	8.74E-04	2.76E-07	1.17E-07	1.39E-03	4.38E-07	1.86E-07
4782	479863.09, 3861377.25	9.99E-04	3.15E-07	1.34E-07	1.08E-03	3.40E-07	1.44E-07	1.71E-03	5.38E-07	2.28E-07
4783	480363.09, 3861377.25	1.10E-03	3.48E-07	1.48E-07	1.19E-03	3.75E-07	1.59E-07	1.88E-03	5.92E-07	2.51E-07
4784	480863.09, 3861377.25	1.18E-03	3.71E-07	1.57E-07	1.27E-03	4.00E-07	1.70E-07	2.00E-03	6.31E-07	2.68E-07
4785	481363.09, 3861377.25	1.24E-03	3.91E-07	1.66E-07	1.34E-03	4.22E-07	1.79E-07	2.11E-03	6.65E-07	2.82E-07
4786	481863.09, 3861377.25	1.30E-03	4.12E-07	1.75E-07	1.41E-03	4.44E-07	1.88E-07	2.21E-03	6.99E-07	2.97E-07
4787	482363.09, 3861377.25	1.37E-03	4.32E-07	1.83E-07	1.48E-03	4.66E-07	1.98E-07	2.32E-03	7.33E-07	3.11E-07
4788	482863.09, 3861377.25	1.43E-03	4.52E-07	1.92E-07	1.54E-03	4.88E-07	2.07E-07	2.43E-03	7.66E-07	3.25E-07
4789	483363.09, 3861377.25	1.49E-03	4.71E-07	2.00E-07	1.61E-03	5.08E-07	2.16E-07	2.53E-03	7.97E-07	3.38E-07
4790	483863.09, 3861377.25	1.54E-03	4.87E-07	2.07E-07	1.66E-03	5.25E-07	2.23E-07	2.61E-03	8.23E-07	3.49E-07
4791	484363.09, 3861377.25	1.59E-03	5.03E-07	2.13E-07	1.72E-03	5.42E-07	2.30E-07	2.69E-03	8.50E-07	3.60E-07
4792	484863.09, 3861377.25	1.61E-03	5.07E-07	2.15E-07	1.73E-03	5.46E-07	2.32E-07	2.71E-03	8.56E-07	3.63E-07
4793	485363.09, 3861377.25	1.61E-03	5.07E-07	2.15E-07	1.73E-03	5.47E-07	2.32E-07	2.71E-03	8.56E-07	3.63E-07
4794	485863.09, 3861377.25	1.62E-03	5.13E-07	2.18E-07	1.75E-03	5.52E-07	2.34E-07	2.74E-03	8.64E-07	3.67E-07
4795	486363.09, 3861377.25	1.61E-03	5.09E-07	2.16E-07	1.74E-03	5.48E-07	2.32E-07	2.71E-03	8.56E-07	3.63E-07
4796	486863.09, 3861377.25	1.59E-03	5.03E-07	2.14E-07	1.72E-03	5.42E-07	2.30E-07	2.68E-03	8.46E-07	3.59E-07
4797	487363.09, 3861377.25	1.59E-03	5.01E-07	2.12E-07	1.71E-03	5.39E-07	2.29E-07	2.67E-03	8.42E-07	3.57E-07
4798	487863.09, 3861377.25	1.59E-03	5.00E-07	2.12E-07	1.71E-03	5.39E-07	2.29E-07	2.67E-03	8.43E-07	3.58E-07
4799	488363.09, 3861377.25	1.59E-03	5.01E-07	2.13E-07	1.71E-03	5.40E-07	2.29E-07	2.68E-03	8.46E-07	3.59E-07
4800	488863.09, 3861377.25	1.62E-03	5.12E-07	2.17E-07	1.75E-03	5.52E-07	2.34E-07	2.75E-03	8.67E-07	3.68E-07
4801	489363.09, 3861377.25	1.64E-03	5.18E-07	2.20E-07	1.77E-03	5.58E-07	2.37E-07	2.78E-03	8.78E-07	3.72E-07
4802	489863.09, 3861377.25	1.67E-03	5.28E-07	2.24E-07	1.80E-03	5.69E-07	2.41E-07	2.84E-03	8.97E-07	3.81E-07
4803	490363.09, 3861377.25	1.70E-03	5.36E-07	2.28E-07	1.83E-03	5.78E-07	2.45E-07	2.89E-03	9.13E-07	3.88E-07
4804	490863.09, 3861377.25	1.72E-03	5.42E-07	2.30E-07	1.85E-03	5.85E-07	2.48E-07	2.93E-03	9.25E-07	3.92E-07
4805	491363.09, 3861377.25	1.66E-03	5.25E-07	2.23E-07	1.79E-03	5.66E-07	2.40E-07	2.84E-03	8.96E-07	3.80E-07
4806	491863.09, 3861377.25	1.58E-03	4.98E-07	2.11E-07	1.70E-03	5.38E-07	2.28E-07	2.70E-03	8.51E-07	3.61E-07
4807	492363.09, 3861377.25	1.54E-03	4.87E-07	2.07E-07	1.67E-03	5.26E-07	2.23E-07	2.64E-03	8.33E-07	3.53E-07
4808	492863.09, 3861377.25	1.56E-03	4.91E-07	2.08E-07	1.68E-03	5.30E-07	2.25E-07	2.66E-03	8.39E-07	3.56E-07
4809	493363.09, 3861377.25	1.60E-03	5.06E-07	2.14E-07	1.73E-03	5.46E-07	2.31E-07	2.74E-03	8.65E-07	3.67E-07
4810	493863.09, 3861377.25	1.64E-03	5.18E-07	2.20E-07	1.77E-03	5.60E-07	2.37E-07	2.82E-03	8.89E-07	3.77E-07
4811	494363.09, 3861377.25	1.66E-03	5.24E-07	2.23E-07	1.79E-03	5.66E-07	2.40E-07	2.85E-03	9.00E-07	3.82E-07
4812	494863.09, 3861377.25	1.66E-03	5.24E-07	2.22E-07	1.79E-03	5.65E-07	2.40E-07	2.85E-03	9.00E-07	3.82E-07
4813	495363.09, 3861377.25	1.64E-03	5.16E-07	2.19E-07	1.77E-03	5.58E-07	2.37E-07	2.81E-03	8.88E-07	3.77E-07
4814	495863.09, 3861377.25	1.60E-03	5.04E-07	2.14E-07	1.72E-03	5.44E-07	2.31E-07	2.75E-03	8.68E-07	3.68E-07
4815	496363.09, 3861377.25	1.58E-03	4.98E-07	2.11E-07	1.71E-03	5.38E-07	2.28E-07	2.72E-03	8.58E-07	3.64E-07

4816	496863.09, 3861377.25	1.57E-03	4.95E-07	2.10E-07	1.69E-03	5.34E-07	2.27E-07	2.70E-03	8.53E-07	3.62E-07
4817	497363.09, 3861377.25	1.53E-03	4.83E-07	2.05E-07	1.65E-03	5.22E-07	2.21E-07	2.64E-03	8.33E-07	3.54E-07
4818	497863.09, 3861377.25	1.49E-03	4.71E-07	2.00E-07	1.61E-03	5.09E-07	2.16E-07	2.58E-03	8.13E-07	3.45E-07
4819	498363.09, 3861377.25	1.46E-03	4.60E-07	1.95E-07	1.58E-03	4.97E-07	2.11E-07	2.52E-03	7.95E-07	3.37E-07
4820	471363.09, 3861877.25	4.26E-04	1.34E-07	5.71E-08	4.60E-04	1.45E-07	6.16E-08	7.28E-04	2.30E-07	9.75E-08
4821	471863.09, 3861877.25	4.44E-04	1.40E-07	5.94E-08	4.79E-04	1.51E-07	6.41E-08	7.58E-04	2.39E-07	1.02E-07
4822	472363.09, 3861877.25	4.63E-04	1.46E-07	6.21E-08	5.00E-04	1.58E-07	6.70E-08	7.92E-04	2.50E-07	1.06E-07
4823	472863.09, 3861877.25	4.85E-04	1.53E-07	6.49E-08	5.23E-04	1.65E-07	7.00E-08	8.28E-04	2.61E-07	1.11E-07
4824	473363.09, 3861877.25	5.07E-04	1.60E-07	6.79E-08	5.47E-04	1.73E-07	7.33E-08	8.66E-04	2.73E-07	1.16E-07
4825	473863.09, 3861877.25	5.29E-04	1.67E-07	7.08E-08	5.71E-04	1.80E-07	7.64E-08	9.03E-04	2.85E-07	1.21E-07
4826	474363.09, 3861877.25	5.53E-04	1.75E-07	7.41E-08	5.97E-04	1.88E-07	7.99E-08	9.44E-04	2.98E-07	1.26E-07
4827	474863.09, 3861877.25	5.76E-04	1.82E-07	7.72E-08	6.22E-04	1.96E-07	8.32E-08	9.83E-04	3.10E-07	1.32E-07
4828	475363.09, 3861877.25	6.02E-04	1.90E-07	8.06E-08	6.49E-04	2.05E-07	8.70E-08	1.03E-03	3.24E-07	1.37E-07
4829	475863.09, 3861877.25	6.31E-04	1.99E-07	8.45E-08	6.81E-04	2.15E-07	9.12E-08	1.08E-03	3.40E-07	1.44E-07
4830	476363.09, 3861877.25	6.59E-04	2.08E-07	8.82E-08	7.11E-04	2.24E-07	9.51E-08	1.12E-03	3.55E-07	1.51E-07
4831	476863.09, 3861877.25	6.78E-04	2.14E-07	9.07E-08	7.31E-04	2.31E-07	9.79E-08	1.16E-03	3.65E-07	1.55E-07
4832	477363.09, 3861877.25	6.87E-04	2.17E-07	9.21E-08	7.42E-04	2.34E-07	9.93E-08	1.18E-03	3.71E-07	1.57E-07
4833	477863.09, 3861877.25	5.57E-04	1.76E-07	7.46E-08	6.01E-04	1.90E-07	8.05E-08	9.53E-04	3.01E-07	1.28E-07
4834	478363.09, 3861877.25	2.56E-04	8.09E-08	3.43E-08	2.76E-04	8.72E-08	3.70E-08	4.35E-04	1.37E-07	5.82E-08
4835	478863.09, 3861877.25	4.64E-04	1.46E-07	6.21E-08	5.01E-04	1.58E-07	6.70E-08	7.92E-04	2.50E-07	1.06E-07
4836	479363.09, 3861877.25	4.18E-04	1.32E-07	5.59E-08	4.50E-04	1.42E-07	6.03E-08	7.12E-04	2.25E-07	9.53E-08
4837	479863.09, 3861877.25	9.04E-04	2.85E-07	1.21E-07	9.75E-04	3.08E-07	1.31E-07	1.54E-03	4.87E-07	2.07E-07
4838	480363.09, 3861877.25	1.00E-03	3.16E-07	1.34E-07	1.08E-03	3.41E-07	1.45E-07	1.70E-03	5.37E-07	2.28E-07
4839	480863.09, 3861877.25	1.05E-03	3.32E-07	1.41E-07	1.13E-03	3.58E-07	1.52E-07	1.79E-03	5.64E-07	2.39E-07
4840	481363.09, 3861877.25	1.10E-03	3.48E-07	1.48E-07	1.19E-03	3.75E-07	1.59E-07	1.87E-03	5.90E-07	2.50E-07
4841	481863.09, 3861877.25	1.15E-03	3.64E-07	1.55E-07	1.24E-03	3.93E-07	1.67E-07	1.96E-03	6.17E-07	2.62E-07
4842	482363.09, 3861877.25	1.21E-03	3.81E-07	1.62E-07	1.30E-03	4.11E-07	1.74E-07	2.05E-03	6.46E-07	2.74E-07
4843	482863.09, 3861877.25	1.26E-03	3.98E-07	1.69E-07	1.36E-03	4.29E-07	1.82E-07	2.14E-03	6.74E-07	2.86E-07
4844	483363.09, 3861877.25	1.31E-03	4.12E-07	1.75E-07	1.41E-03	4.44E-07	1.88E-07	2.21E-03	6.97E-07	2.96E-07
4845	483863.09, 3861877.25	1.34E-03	4.23E-07	1.79E-07	1.44E-03	4.56E-07	1.93E-07	2.26E-03	7.14E-07	3.03E-07
4846	484363.09, 3861877.25	1.36E-03	4.29E-07	1.82E-07	1.47E-03	4.62E-07	1.96E-07	2.30E-03	7.25E-07	3.07E-07
4847	484863.09, 3861877.25	1.39E-03	4.37E-07	1.86E-07	1.49E-03	4.71E-07	2.00E-07	2.34E-03	7.38E-07	3.13E-07
4848	485363.09, 3861877.25	1.38E-03	4.37E-07	1.85E-07	1.49E-03	4.71E-07	2.00E-07	2.34E-03	7.37E-07	3.13E-07
4849	485863.09, 3861877.25	1.37E-03	4.31E-07	1.83E-07	1.47E-03	4.65E-07	1.97E-07	2.30E-03	7.26E-07	3.08E-07
4850	486363.09, 3861877.25	1.36E-03	4.28E-07	1.81E-07	1.46E-03	4.61E-07	1.95E-07	2.28E-03	7.19E-07	3.05E-07
4851	486863.09, 3861877.25	1.34E-03	4.23E-07	1.79E-07	1.44E-03	4.55E-07	1.93E-07	2.25E-03	7.11E-07	3.02E-07
4852	487363.09, 3861877.25	1.33E-03	4.20E-07	1.78E-07	1.43E-03	4.52E-07	1.92E-07	2.24E-03	7.07E-07	3.00E-07
4853	487863.09, 3861877.25	1.33E-03	4.19E-07	1.78E-07	1.43E-03	4.52E-07	1.92E-07	2.24E-03	7.07E-07	3.00E-07
4854	488363.09, 3861877.25	1.33E-03	4.19E-07	1.78E-07	1.43E-03	4.52E-07	1.92E-07	2.24E-03	7.08E-07	3.01E-07
4855	488863.09, 3861877.25	1.34E-03	4.24E-07	1.80E-07	1.45E-03	4.57E-07	1.94E-07	2.27E-03	7.17E-07	3.04E-07
4856	489363.09, 3861877.25	1.35E-03	4.26E-07	1.81E-07	1.46E-03	4.60E-07	1.95E-07	2.29E-03	7.23E-07	3.07E-07
4857	489863.09, 3861877.25	1.37E-03	4.33E-07	1.84E-07	1.48E-03	4.67E-07	1.98E-07	2.33E-03	7.36E-07	3.12E-07
4858	490363.09, 3861877.25	1.38E-03	4.35E-07	1.85E-07	1.49E-03	4.69E-07	1.99E-07	2.35E-03	7.40E-07	3.14E-07
4859	490863.09, 3861877.25	1.40E-03	4.43E-07	1.88E-07	1.51E-03	4.78E-07	2.03E-07	2.39E-03	7.55E-07	3.20E-07
4860	491363.09, 3861877.25	1.43E-03	4.51E-07	1.91E-07	1.54E-03	4.86E-07	2.06E-07	2.44E-03	7.70E-07	3.27E-07
4861	491863.09, 3861877.25	1.40E-03	4.41E-07	1.87E-07	1.51E-03	4.76E-07	2.02E-07	2.39E-03	7.55E-07	3.20E-07
4862	492363.09, 3861877.25	1.32E-03	4.17E-07	1.77E-07	1.43E-03	4.50E-07	1.91E-07	2.26E-03	7.13E-07	3.03E-07
4863	492863.09, 3861877.25	1.28E-03	4.04E-07	1.72E-07	1.38E-03	4.36E-07	1.85E-07	2.19E-03	6.92E-07	2.93E-07
4864	493363.09, 3861877.25	1.28E-03	4.03E-07	1.71E-07	1.38E-03	4.35E-07	1.85E-07	2.18E-03	6.90E-07	2.93E-07
4865	493863.09, 3861877.25	1.30E-03	4.10E-07	1.74E-07	1.40E-03	4.42E-07	1.88E-07	2.22E-03	7.01E-07	2.98E-07
4866	494363.09, 3861877.25	1.33E-03	4.21E-07	1.79E-07	1.44E-03	4.54E-07	1.93E-07	2.29E-03	7.21E-07	3.06E-07
4867	494863.09, 3861877.25	1.37E-03	4.33E-07	1.84E-07	1.48E-03	4.67E-07	1.98E-07	2.35E-03	7.43E-07	3.15E-07
4868	495363.09, 3861877.25	1.38E-03	4.37E-07	1.85E-07	1.49E-03	4.72E-07	2.00E-07	2.38E-03	7.51E-07	3.19E-07
4869	495863.09, 3861877.25	1.38E-03	4.35E-07	1.84E-07	1.49E-03	4.69E-07	1.99E-07	2.37E-03	7.48E-07	3.17E-07
4870	496363.09, 3861877.25	1.36E-03	4.30E-07	1.82E-07	1.47E-03	4.64E-07	1.97E-07	2.35E-03	7.41E-07	3.14E-07
4871	496863.09, 3861877.25	1.40E-03	4.43E-07	1.88E-07	1.52E-03	4.78E-07	2.03E-07	2.42E-03	7.63E-07	3.24E-07
4872	497363.09, 3861877.25	1.34E-03	4.22E-07	1.79E-07	1.44E-03	4.56E-07	1.94E-07	2.31E-03	7.28E-07	3.09E-07
4873	497863.09, 3861877.25	1.30E-03	4.09E-07	1.73E-07	1.40E-03	4.42E-07	1.87E-07	2.23E-03	7.05E-07	2.99E-07
4874	498363.09, 3861877.25	1.26E-03	3.99E-07	1.69E-07	1.37E-03	4.31E-07	1.83E-07	2.18E-03	6.89E-07	2.92E-07
4875	471363.09, 3862377.25	4.16E-04	1.31E-07	5.57E-08	4.49E-04	1.42E-07	6.01E-08	7.10E-04	2.24E-07	9.51E-08
4876	471863.09, 3862377.25	4.32E-04	1.36E-07	5.79E-08	4.66E-04	1.47E-07	6.24E-08	7.38E-04	2.33E-07	9.88E-08

4877	472363.09, 3862377.25	4.51E-04	1.42E-07	6.03E-08	4.86E-04	1.53E-07	6.51E-08	7.70E-04	2.43E-07	1.03E-07
4878	472863.09, 3862377.25	4.70E-04	1.48E-07	6.29E-08	5.07E-04	1.60E-07	6.79E-08	8.02E-04	2.53E-07	1.07E-07
4879	473363.09, 3862377.25	4.89E-04	1.54E-07	6.55E-08	5.28E-04	1.67E-07	7.07E-08	8.35E-04	2.63E-07	1.12E-07
4880	473863.09, 3862377.25	5.09E-04	1.61E-07	6.82E-08	5.49E-04	1.73E-07	7.35E-08	8.68E-04	2.74E-07	1.16E-07
4881	474363.09, 3862377.25	5.28E-04	1.67E-07	7.07E-08	5.70E-04	1.80E-07	7.63E-08	9.00E-04	2.84E-07	1.21E-07
4882	474863.09, 3862377.25	5.46E-04	1.72E-07	7.31E-08	5.89E-04	1.86E-07	7.89E-08	9.31E-04	2.94E-07	1.25E-07
4883	475363.09, 3862377.25	5.71E-04	1.80E-07	7.65E-08	6.16E-04	1.95E-07	8.25E-08	9.74E-04	3.07E-07	1.30E-07
4884	475863.09, 3862377.25	5.97E-04	1.89E-07	8.00E-08	6.44E-04	2.03E-07	8.63E-08	1.02E-03	3.21E-07	1.36E-07
4885	476363.09, 3862377.25	6.23E-04	1.97E-07	8.35E-08	6.72E-04	2.12E-07	9.00E-08	1.06E-03	3.35E-07	1.42E-07
4886	476863.09, 3862377.25	6.48E-04	2.05E-07	8.68E-08	6.99E-04	2.21E-07	9.37E-08	1.11E-03	3.49E-07	1.48E-07
4887	477363.09, 3862377.25	6.65E-04	2.10E-07	8.91E-08	7.17E-04	2.26E-07	9.61E-08	1.13E-03	3.58E-07	1.52E-07
4888	477863.09, 3862377.25	5.96E-04	1.88E-07	7.98E-08	6.43E-04	2.03E-07	8.61E-08	1.02E-03	3.22E-07	1.36E-07
4889	478363.09, 3862377.25	4.83E-04	1.52E-07	6.46E-08	5.21E-04	1.64E-07	6.97E-08	8.25E-04	2.60E-07	1.10E-07
4890	478863.09, 3862377.25	5.19E-04	1.64E-07	6.94E-08	5.60E-04	1.77E-07	7.49E-08	8.87E-04	2.80E-07	1.19E-07
4891	479363.09, 3862377.25	6.28E-04	1.98E-07	8.42E-08	6.78E-04	2.14E-07	9.08E-08	1.08E-03	3.39E-07	1.44E-07
4892	479863.09, 3862377.25	8.40E-04	2.65E-07	1.12E-07	9.06E-04	2.86E-07	1.21E-07	1.43E-03	4.51E-07	1.91E-07
4893	480363.09, 3862377.25	9.05E-04	2.86E-07	1.21E-07	9.75E-04	3.08E-07	1.31E-07	1.54E-03	4.85E-07	2.06E-07
4894	480863.09, 3862377.25	9.46E-04	2.99E-07	1.27E-07	1.02E-03	3.22E-07	1.37E-07	1.60E-03	5.06E-07	2.15E-07
4895	481363.09, 3862377.25	9.89E-04	3.12E-07	1.32E-07	1.07E-03	3.37E-07	1.43E-07	1.68E-03	5.29E-07	2.24E-07
4896	481863.09, 3862377.25	1.03E-03	3.26E-07	1.38E-07	1.11E-03	3.51E-07	1.49E-07	1.75E-03	5.52E-07	2.34E-07
4897	482363.09, 3862377.25	1.08E-03	3.40E-07	1.44E-07	1.16E-03	3.67E-07	1.56E-07	1.82E-03	5.76E-07	2.44E-07
4898	482863.09, 3862377.25	1.12E-03	3.53E-07	1.50E-07	1.21E-03	3.80E-07	1.61E-07	1.89E-03	5.97E-07	2.54E-07
4899	483363.09, 3862377.25	1.15E-03	3.63E-07	1.54E-07	1.24E-03	3.92E-07	1.66E-07	1.95E-03	6.15E-07	2.61E-07
4900	483863.09, 3862377.25	1.17E-03	3.69E-07	1.56E-07	1.26E-03	3.97E-07	1.68E-07	1.97E-03	6.22E-07	2.64E-07
4901	484363.09, 3862377.25	1.19E-03	3.75E-07	1.59E-07	1.28E-03	4.04E-07	1.71E-07	2.00E-03	6.32E-07	2.68E-07
4902	484863.09, 3862377.25	1.18E-03	3.74E-07	1.59E-07	1.28E-03	4.03E-07	1.71E-07	2.00E-03	6.30E-07	2.67E-07
4903	485363.09, 3862377.25	1.18E-03	3.72E-07	1.58E-07	1.27E-03	4.01E-07	1.70E-07	1.99E-03	6.27E-07	2.66E-07
4904	485863.09, 3862377.25	1.18E-03	3.71E-07	1.58E-07	1.27E-03	4.00E-07	1.70E-07	1.98E-03	6.25E-07	2.65E-07
4905	486363.09, 3862377.25	1.16E-03	3.66E-07	1.55E-07	1.25E-03	3.94E-07	1.67E-07	1.95E-03	6.15E-07	2.61E-07
4906	486863.09, 3862377.25	1.15E-03	3.61E-07	1.53E-07	1.23E-03	3.89E-07	1.65E-07	1.92E-03	6.07E-07	2.58E-07
4907	487363.09, 3862377.25	1.13E-03	3.58E-07	1.52E-07	1.22E-03	3.85E-07	1.63E-07	1.90E-03	6.01E-07	2.55E-07
4908	487863.09, 3862377.25	1.13E-03	3.58E-07	1.52E-07	1.22E-03	3.85E-07	1.64E-07	1.91E-03	6.03E-07	2.56E-07
4909	488363.09, 3862377.25	1.14E-03	3.58E-07	1.52E-07	1.22E-03	3.86E-07	1.64E-07	1.92E-03	6.05E-07	2.57E-07
4910	488863.09, 3862377.25	1.15E-03	3.61E-07	1.53E-07	1.23E-03	3.90E-07	1.65E-07	1.94E-03	6.12E-07	2.60E-07
4911	489363.09, 3862377.25	1.16E-03	3.65E-07	1.55E-07	1.25E-03	3.93E-07	1.67E-07	1.96E-03	6.18E-07	2.62E-07
4912	489863.09, 3862377.25	1.17E-03	3.69E-07	1.57E-07	1.26E-03	3.98E-07	1.69E-07	1.99E-03	6.27E-07	2.66E-07
4913	490363.09, 3862377.25	1.18E-03	3.74E-07	1.59E-07	1.28E-03	4.03E-07	1.71E-07	2.01E-03	6.36E-07	2.70E-07
4914	490863.09, 3862377.25	1.19E-03	3.76E-07	1.60E-07	1.28E-03	4.05E-07	1.72E-07	2.03E-03	6.40E-07	2.72E-07
4915	491363.09, 3862377.25	1.21E-03	3.82E-07	1.62E-07	1.31E-03	4.12E-07	1.75E-07	2.06E-03	6.52E-07	2.76E-07
4916	491863.09, 3862377.25	1.22E-03	3.86E-07	1.64E-07	1.32E-03	4.16E-07	1.77E-07	2.09E-03	6.59E-07	2.80E-07
4917	492363.09, 3862377.25	1.20E-03	3.79E-07	1.61E-07	1.30E-03	4.09E-07	1.74E-07	2.06E-03	6.49E-07	2.75E-07
4918	492863.09, 3862377.25	1.15E-03	3.62E-07	1.54E-07	1.24E-03	3.91E-07	1.66E-07	1.96E-03	6.19E-07	2.63E-07
4919	493363.09, 3862377.25	1.11E-03	3.49E-07	1.48E-07	1.19E-03	3.77E-07	1.60E-07	1.89E-03	5.97E-07	2.53E-07
4920	493863.09, 3862377.25	1.09E-03	3.44E-07	1.46E-07	1.18E-03	3.71E-07	1.58E-07	1.87E-03	5.89E-07	2.50E-07
4921	494363.09, 3862377.25	1.09E-03	3.46E-07	1.47E-07	1.18E-03	3.73E-07	1.58E-07	1.88E-03	5.92E-07	2.51E-07
4922	494863.09, 3862377.25	1.12E-03	3.53E-07	1.50E-07	1.21E-03	3.81E-07	1.62E-07	1.92E-03	6.06E-07	2.57E-07
4923	495363.09, 3862377.25	1.14E-03	3.61E-07	1.53E-07	1.23E-03	3.89E-07	1.65E-07	1.96E-03	6.19E-07	2.63E-07
4924	495863.09, 3862377.25	1.16E-03	3.68E-07	1.56E-07	1.26E-03	3.97E-07	1.68E-07	2.00E-03	6.32E-07	2.68E-07
4925	496363.09, 3862377.25	1.17E-03	3.70E-07	1.57E-07	1.27E-03	3.99E-07	1.69E-07	2.02E-03	6.36E-07	2.70E-07
4926	496863.09, 3862377.25	1.18E-03	3.72E-07	1.58E-07	1.27E-03	4.02E-07	1.70E-07	2.03E-03	6.40E-07	2.72E-07
4927	497363.09, 3862377.25	1.16E-03	3.65E-07	1.55E-07	1.25E-03	3.94E-07	1.67E-07	1.99E-03	6.28E-07	2.67E-07
4928	497863.09, 3862377.25	1.13E-03	3.57E-07	1.52E-07	1.22E-03	3.86E-07	1.64E-07	1.95E-03	6.16E-07	2.62E-07
4929	498363.09, 3862377.25	1.10E-03	3.48E-07	1.48E-07	1.19E-03	3.76E-07	1.60E-07	1.90E-03	6.01E-07	2.55E-07
4930	471363.09, 3862877.25	4.03E-04	1.27E-07	5.40E-08	4.35E-04	1.37E-07	5.83E-08	6.89E-04	2.17E-07	9.23E-08
4931	471863.09, 3862877.25	4.19E-04	1.32E-07	5.61E-08	4.52E-04	1.43E-07	6.05E-08	7.15E-04	2.26E-07	9.57E-08
4932	472363.09, 3862877.25	4.35E-04	1.37E-07	5.82E-08	4.69E-04	1.48E-07	6.28E-08	7.41E-04	2.34E-07	9.93E-08
4933	472863.09, 3862877.25	4.51E-04	1.42E-07	6.03E-08	4.86E-04	1.53E-07	6.51E-08	7.69E-04	2.43E-07	1.03E-07
4934	473363.09, 3862877.25	4.69E-04	1.48E-07	6.27E-08	5.05E-04	1.60E-07	6.77E-08	7.99E-04	2.52E-07	1.07E-07
4935	473863.09, 3862877.25	4.85E-04	1.53E-07	6.50E-08	5.23E-04	1.65E-07	7.01E-08	8.27E-04	2.61E-07	1.11E-07
4936	474363.09, 3862877.25	5.00E-04	1.58E-07	6.70E-08	5.40E-04	1.70E-07	7.23E-08	8.53E-04	2.69E-07	1.14E-07
4937	474863.09, 3862877.25	5.18E-04	1.64E-07	6.94E-08	5.59E-04	1.76E-07	7.48E-08	8.83E-04	2.79E-07	1.18E-07

4938	475363.09, 3862877.25	5.41E-04	1.71E-07	7.25E-08	5.84E-04	1.84E-07	7.82E-08	9.22E-04	2.91E-07	1.24E-07
4939	475863.09, 3862877.25	5.63E-04	1.78E-07	7.55E-08	6.08E-04	1.92E-07	8.14E-08	9.60E-04	3.03E-07	1.29E-07
4940	476363.09, 3862877.25	5.86E-04	1.85E-07	7.85E-08	6.33E-04	2.00E-07	8.47E-08	9.99E-04	3.15E-07	1.34E-07
4941	476863.09, 3862877.25	6.07E-04	1.92E-07	8.13E-08	6.55E-04	2.07E-07	8.77E-08	1.03E-03	3.26E-07	1.38E-07
4942	477363.09, 3862877.25	6.29E-04	1.98E-07	8.42E-08	6.78E-04	2.14E-07	9.08E-08	1.07E-03	3.38E-07	1.43E-07
4943	477863.09, 3862877.25	6.27E-04	1.98E-07	8.40E-08	6.76E-04	2.13E-07	9.06E-08	1.07E-03	3.38E-07	1.43E-07
4944	478363.09, 3862877.25	5.53E-04	1.74E-07	7.40E-08	5.97E-04	1.88E-07	7.99E-08	9.46E-04	2.98E-07	1.27E-07
4945	478863.09, 3862877.25	5.83E-04	1.84E-07	7.81E-08	6.29E-04	1.99E-07	8.42E-08	9.97E-04	3.15E-07	1.33E-07
4946	479363.09, 3862877.25	6.25E-04	1.97E-07	8.37E-08	6.75E-04	2.13E-07	9.04E-08	1.07E-03	3.37E-07	1.43E-07
4947	479863.09, 3862877.25	7.88E-04	2.49E-07	1.06E-07	8.50E-04	2.68E-07	1.14E-07	1.34E-03	4.22E-07	1.79E-07
4948	480363.09, 3862877.25	8.22E-04	2.60E-07	1.10E-07	8.86E-04	2.80E-07	1.19E-07	1.39E-03	4.40E-07	1.87E-07
4949	480863.09, 3862877.25	8.60E-04	2.71E-07	1.15E-07	9.27E-04	2.92E-07	1.24E-07	1.46E-03	4.60E-07	1.95E-07
4950	481363.09, 3862877.25	8.95E-04	2.82E-07	1.20E-07	9.64E-04	3.04E-07	1.29E-07	1.51E-03	4.78E-07	2.03E-07
4951	481863.09, 3862877.25	9.36E-04	2.95E-07	1.25E-07	1.01E-03	3.18E-07	1.35E-07	1.59E-03	5.00E-07	2.12E-07
4952	482363.09, 3862877.25	9.65E-04	3.05E-07	1.29E-07	1.04E-03	3.28E-07	1.39E-07	1.63E-03	5.15E-07	2.19E-07
4953	482863.09, 3862877.25	9.97E-04	3.15E-07	1.34E-07	1.07E-03	3.39E-07	1.44E-07	1.69E-03	5.32E-07	2.26E-07
4954	483363.09, 3862877.25	1.02E-03	3.22E-07	1.37E-07	1.10E-03	3.47E-07	1.47E-07	1.72E-03	5.44E-07	2.31E-07
4955	483863.09, 3862877.25	1.03E-03	3.25E-07	1.38E-07	1.11E-03	3.51E-07	1.49E-07	1.74E-03	5.49E-07	2.33E-07
4956	484363.09, 3862877.25	1.04E-03	3.27E-07	1.39E-07	1.12E-03	3.52E-07	1.50E-07	1.75E-03	5.52E-07	2.34E-07
4957	484863.09, 3862877.25	1.03E-03	3.24E-07	1.38E-07	1.11E-03	3.49E-07	1.48E-07	1.73E-03	5.46E-07	2.32E-07
4958	485363.09, 3862877.25	1.03E-03	3.24E-07	1.37E-07	1.10E-03	3.49E-07	1.48E-07	1.73E-03	5.45E-07	2.31E-07
4959	485863.09, 3862877.25	1.02E-03	3.21E-07	1.36E-07	1.09E-03	3.46E-07	1.47E-07	1.71E-03	5.40E-07	2.29E-07
4960	486363.09, 3862877.25	1.01E-03	3.20E-07	1.36E-07	1.09E-03	3.44E-07	1.46E-07	1.70E-03	5.37E-07	2.28E-07
4961	486863.09, 3862877.25	9.94E-04	3.14E-07	1.33E-07	1.07E-03	3.38E-07	1.43E-07	1.67E-03	5.27E-07	2.24E-07
4962	487363.09, 3862877.25	9.83E-04	3.10E-07	1.32E-07	1.06E-03	3.34E-07	1.42E-07	1.65E-03	5.21E-07	2.21E-07
4963	487863.09, 3862877.25	9.81E-04	3.10E-07	1.31E-07	1.06E-03	3.33E-07	1.41E-07	1.65E-03	5.21E-07	2.21E-07
4964	488363.09, 3862877.25	9.86E-04	3.11E-07	1.32E-07	1.06E-03	3.35E-07	1.42E-07	1.66E-03	5.25E-07	2.23E-07
4965	488863.09, 3862877.25	9.92E-04	3.13E-07	1.33E-07	1.07E-03	3.38E-07	1.43E-07	1.68E-03	5.30E-07	2.25E-07
4966	489363.09, 3862877.25	9.97E-04	3.15E-07	1.33E-07	1.07E-03	3.39E-07	1.44E-07	1.69E-03	5.33E-07	2.26E-07
4967	489863.09, 3862877.25	1.01E-03	3.18E-07	1.35E-07	1.09E-03	3.43E-07	1.45E-07	1.71E-03	5.39E-07	2.29E-07
4968	490363.09, 3862877.25	1.02E-03	3.22E-07	1.37E-07	1.10E-03	3.47E-07	1.47E-07	1.73E-03	5.47E-07	2.32E-07
4969	490863.09, 3862877.25	1.03E-03	3.24E-07	1.38E-07	1.11E-03	3.50E-07	1.48E-07	1.75E-03	5.52E-07	2.34E-07
4970	491363.09, 3862877.25	1.04E-03	3.29E-07	1.40E-07	1.12E-03	3.55E-07	1.51E-07	1.78E-03	5.60E-07	2.38E-07
4971	491863.09, 3862877.25	1.05E-03	3.31E-07	1.40E-07	1.13E-03	3.57E-07	1.52E-07	1.79E-03	5.65E-07	2.40E-07
4972	492363.09, 3862877.25	1.07E-03	3.37E-07	1.43E-07	1.15E-03	3.63E-07	1.54E-07	1.82E-03	5.76E-07	2.44E-07
4973	492863.09, 3862877.25	1.05E-03	3.32E-07	1.41E-07	1.13E-03	3.58E-07	1.52E-07	1.80E-03	5.68E-07	2.41E-07
4974	493363.09, 3862877.25	1.01E-03	3.19E-07	1.35E-07	1.09E-03	3.44E-07	1.46E-07	1.73E-03	5.45E-07	2.31E-07
4975	493863.09, 3862877.25	9.73E-04	3.07E-07	1.30E-07	1.05E-03	3.32E-07	1.41E-07	1.67E-03	5.26E-07	2.23E-07
4976	494363.09, 3862877.25	9.54E-04	3.01E-07	1.28E-07	1.03E-03	3.25E-07	1.38E-07	1.63E-03	5.15E-07	2.19E-07
4977	494863.09, 3862877.25	9.44E-04	2.98E-07	1.26E-07	1.02E-03	3.21E-07	1.36E-07	1.62E-03	5.10E-07	2.17E-07
4978	495363.09, 3862877.25	9.52E-04	3.00E-07	1.27E-07	1.03E-03	3.24E-07	1.38E-07	1.63E-03	5.15E-07	2.19E-07
4979	495863.09, 3862877.25	9.73E-04	3.07E-07	1.30E-07	1.05E-03	3.32E-07	1.41E-07	1.67E-03	5.27E-07	2.24E-07
4980	496363.09, 3862877.25	9.98E-04	3.15E-07	1.34E-07	1.08E-03	3.40E-07	1.44E-07	1.72E-03	5.41E-07	2.30E-07
4981	496863.09, 3862877.25	1.02E-03	3.20E-07	1.36E-07	1.10E-03	3.46E-07	1.47E-07	1.75E-03	5.51E-07	2.34E-07
4982	497363.09, 3862877.25	1.02E-03	3.21E-07	1.36E-07	1.10E-03	3.47E-07	1.47E-07	1.75E-03	5.53E-07	2.35E-07
4983	497863.09, 3862877.25	1.01E-03	3.19E-07	1.35E-07	1.09E-03	3.44E-07	1.46E-07	1.74E-03	5.49E-07	2.33E-07
4984	498363.09, 3862877.25	9.99E-04	3.15E-07	1.34E-07	1.08E-03	3.41E-07	1.45E-07	1.72E-03	5.44E-07	2.31E-07
4985	471363.09, 3863377.25	3.89E-04	1.23E-07	5.21E-08	4.20E-04	1.33E-07	5.63E-08	6.65E-04	2.10E-07	8.90E-08
4986	471863.09, 3863377.25	4.03E-04	1.27E-07	5.39E-08	4.34E-04	1.37E-07	5.82E-08	6.87E-04	2.17E-07	9.20E-08
4987	472363.09, 3863377.25	4.16E-04	1.31E-07	5.58E-08	4.49E-04	1.42E-07	6.02E-08	7.10E-04	2.24E-07	9.51E-08
4988	472863.09, 3863377.25	4.30E-04	1.36E-07	5.76E-08	4.64E-04	1.46E-07	6.21E-08	7.33E-04	2.31E-07	9.82E-08
4989	473363.09, 3863377.25	4.44E-04	1.40E-07	5.95E-08	4.79E-04	1.51E-07	6.42E-08	7.57E-04	2.39E-07	1.01E-07
4990	473863.09, 3863377.25	4.59E-04	1.45E-07	6.14E-08	4.95E-04	1.56E-07	6.62E-08	7.81E-04	2.47E-07	1.05E-07
4991	474363.09, 3863377.25	4.74E-04	1.50E-07	6.34E-08	5.11E-04	1.61E-07	6.84E-08	8.07E-04	2.55E-07	1.08E-07
4992	474863.09, 3863377.25	4.91E-04	1.55E-07	6.57E-08	5.29E-04	1.67E-07	7.09E-08	8.35E-04	2.64E-07	1.12E-07
4993	475363.09, 3863377.25	5.09E-04	1.61E-07	6.81E-08	5.49E-04	1.73E-07	7.35E-08	8.66E-04	2.73E-07	1.16E-07
4994	475863.09, 3863377.25	5.28E-04	1.67E-07	7.07E-08	5.70E-04	1.80E-07	7.63E-08	8.99E-04	2.84E-07	1.20E-07
4995	476363.09, 3863377.25	5.48E-04	1.73E-07	7.34E-08	5.91E-04	1.87E-07	7.92E-08	9.32E-04	2.94E-07	1.25E-07
4996	476863.09, 3863377.25	5.69E-04	1.80E-07	7.62E-08	6.14E-04	1.94E-07	8.22E-08	9.68E-04	3.05E-07	1.30E-07
4997	477363.09, 3863377.25	5.91E-04	1.86E-07	7.91E-08	6.37E-04	2.01E-07	8.53E-08	1.00E-03	3.17E-07	1.34E-07
4998	477863.09, 3863377.25	6.06E-04	1.91E-07	8.11E-08	6.53E-04	2.06E-07	8.75E-08	1.03E-03	3.25E-07	1.38E-07

4999	478363.09, 3863377.25	6.02E-04	1.90E-07	8.06E-08	6.50E-04	2.05E-07	8.70E-08	1.03E-03	3.24E-07	1.37E-07
5000	478863.09, 3863377.25	6.39E-04	2.02E-07	8.56E-08	6.90E-04	2.18E-07	9.23E-08	1.09E-03	3.43E-07	1.46E-07
5001	479363.09, 3863377.25	6.89E-04	2.17E-07	9.22E-08	7.43E-04	2.34E-07	9.94E-08	1.17E-03	3.69E-07	1.56E-07
5002	479863.09, 3863377.25	7.24E-04	2.28E-07	9.69E-08	7.80E-04	2.46E-07	1.04E-07	1.23E-03	3.87E-07	1.64E-07
5003	480363.09, 3863377.25	7.52E-04	2.37E-07	1.01E-07	8.11E-04	2.56E-07	1.09E-07	1.27E-03	4.02E-07	1.71E-07
5004	480863.09, 3863377.25	7.85E-04	2.48E-07	1.05E-07	8.46E-04	2.67E-07	1.13E-07	1.33E-03	4.19E-07	1.78E-07
5005	481363.09, 3863377.25	8.12E-04	2.56E-07	1.09E-07	8.75E-04	2.76E-07	1.17E-07	1.38E-03	4.34E-07	1.84E-07
5006	481863.09, 3863377.25	8.42E-04	2.66E-07	1.13E-07	9.07E-04	2.86E-07	1.21E-07	1.42E-03	4.49E-07	1.91E-07
5007	482363.09, 3863377.25	8.69E-04	2.74E-07	1.16E-07	9.36E-04	2.96E-07	1.25E-07	1.47E-03	4.64E-07	1.97E-07
5008	482863.09, 3863377.25	8.91E-04	2.81E-07	1.19E-07	9.60E-04	3.03E-07	1.29E-07	1.51E-03	4.76E-07	2.02E-07
5009	483363.09, 3863377.25	9.07E-04	2.86E-07	1.21E-07	9.78E-04	3.09E-07	1.31E-07	1.53E-03	4.84E-07	2.05E-07
5010	483863.09, 3863377.25	9.12E-04	2.88E-07	1.22E-07	9.83E-04	3.10E-07	1.32E-07	1.54E-03	4.86E-07	2.06E-07
5011	484363.09, 3863377.25	9.08E-04	2.87E-07	1.22E-07	9.79E-04	3.09E-07	1.31E-07	1.53E-03	4.83E-07	2.05E-07
5012	484863.09, 3863377.25	9.06E-04	2.86E-07	1.21E-07	9.76E-04	3.08E-07	1.31E-07	1.52E-03	4.81E-07	2.04E-07
5013	485363.09, 3863377.25	8.97E-04	2.83E-07	1.20E-07	9.66E-04	3.05E-07	1.29E-07	1.51E-03	4.76E-07	2.02E-07
5014	485863.09, 3863377.25	8.91E-04	2.81E-07	1.19E-07	9.60E-04	3.03E-07	1.29E-07	1.50E-03	4.73E-07	2.01E-07
5015	486363.09, 3863377.25	8.87E-04	2.80E-07	1.19E-07	9.56E-04	3.02E-07	1.28E-07	1.49E-03	4.71E-07	2.00E-07
5016	486863.09, 3863377.25	8.77E-04	2.77E-07	1.17E-07	9.44E-04	2.98E-07	1.26E-07	1.47E-03	4.65E-07	1.97E-07
5017	487363.09, 3863377.25	8.66E-04	2.73E-07	1.16E-07	9.32E-04	2.94E-07	1.25E-07	1.45E-03	4.59E-07	1.95E-07
5018	487863.09, 3863377.25	8.61E-04	2.72E-07	1.15E-07	9.27E-04	2.93E-07	1.24E-07	1.45E-03	4.57E-07	1.94E-07
5019	488363.09, 3863377.25	8.63E-04	2.72E-07	1.16E-07	9.30E-04	2.94E-07	1.25E-07	1.46E-03	4.59E-07	1.95E-07
5020	488863.09, 3863377.25	8.70E-04	2.75E-07	1.17E-07	9.38E-04	2.96E-07	1.26E-07	1.47E-03	4.64E-07	1.97E-07
5021	489363.09, 3863377.25	8.72E-04	2.75E-07	1.17E-07	9.39E-04	2.97E-07	1.26E-07	1.48E-03	4.66E-07	1.98E-07
5022	489863.09, 3863377.25	8.76E-04	2.77E-07	1.17E-07	9.45E-04	2.98E-07	1.27E-07	1.49E-03	4.69E-07	1.99E-07
5023	490363.09, 3863377.25	8.88E-04	2.80E-07	1.19E-07	9.57E-04	3.02E-07	1.28E-07	1.51E-03	4.76E-07	2.02E-07
5024	490863.09, 3863377.25	9.02E-04	2.85E-07	1.21E-07	9.72E-04	3.07E-07	1.30E-07	1.53E-03	4.84E-07	2.05E-07
5025	491363.09, 3863377.25	9.02E-04	2.85E-07	1.21E-07	9.73E-04	3.07E-07	1.30E-07	1.54E-03	4.85E-07	2.06E-07
5026	491863.09, 3863377.25	9.07E-04	2.86E-07	1.21E-07	9.78E-04	3.09E-07	1.31E-07	1.55E-03	4.88E-07	2.07E-07
5027	492363.09, 3863377.25	9.32E-04	2.94E-07	1.25E-07	1.01E-03	3.17E-07	1.35E-07	1.59E-03	5.02E-07	2.13E-07
5028	492863.09, 3863377.25	9.65E-04	3.05E-07	1.29E-07	1.04E-03	3.29E-07	1.39E-07	1.65E-03	5.21E-07	2.21E-07
5029	493363.09, 3863377.25	9.65E-04	3.05E-07	1.29E-07	1.04E-03	3.29E-07	1.40E-07	1.65E-03	5.22E-07	2.21E-07
5030	493863.09, 3863377.25	9.26E-04	2.92E-07	1.24E-07	9.99E-04	3.15E-07	1.34E-07	1.59E-03	5.00E-07	2.12E-07
5031	494363.09, 3863377.25	8.80E-04	2.78E-07	1.18E-07	9.50E-04	3.00E-07	1.27E-07	1.51E-03	4.75E-07	2.02E-07
5032	494863.09, 3863377.25	8.60E-04	2.72E-07	1.15E-07	9.29E-04	2.93E-07	1.24E-07	1.47E-03	4.65E-07	1.97E-07
5033	495363.09, 3863377.25	8.59E-04	2.71E-07	1.15E-07	9.27E-04	2.93E-07	1.24E-07	1.47E-03	4.65E-07	1.97E-07
5034	495863.09, 3863377.25	8.65E-04	2.73E-07	1.16E-07	9.34E-04	2.95E-07	1.25E-07	1.48E-03	4.68E-07	1.99E-07
5035	496363.09, 3863377.25	8.54E-04	2.70E-07	1.14E-07	9.22E-04	2.91E-07	1.23E-07	1.47E-03	4.63E-07	1.96E-07
5036	496863.09, 3863377.25	8.57E-04	2.71E-07	1.15E-07	9.26E-04	2.92E-07	1.24E-07	1.47E-03	4.65E-07	1.97E-07
5037	497363.09, 3863377.25	8.77E-04	2.77E-07	1.17E-07	9.47E-04	2.99E-07	1.27E-07	1.51E-03	4.76E-07	2.02E-07
5038	497863.09, 3863377.25	8.92E-04	2.82E-07	1.19E-07	9.64E-04	3.04E-07	1.29E-07	1.54E-03	4.85E-07	2.06E-07
5039	498363.09, 3863377.25	8.95E-04	2.83E-07	1.20E-07	9.67E-04	3.05E-07	1.30E-07	1.54E-03	4.87E-07	2.07E-07
5040	471363.09, 3863877.25	3.73E-04	1.18E-07	4.99E-08	4.02E-04	1.27E-07	5.39E-08	6.36E-04	2.01E-07	8.52E-08
5041	471863.09, 3863877.25	3.84E-04	1.21E-07	5.14E-08	4.14E-04	1.31E-07	5.55E-08	6.55E-04	2.07E-07	8.77E-08
5042	472363.09, 3863877.25	3.96E-04	1.25E-07	5.30E-08	4.27E-04	1.35E-07	5.72E-08	6.75E-04	2.13E-07	9.04E-08
5043	472863.09, 3863877.25	4.08E-04	1.29E-07	5.46E-08	4.40E-04	1.39E-07	5.89E-08	6.95E-04	2.19E-07	9.30E-08
5044	473363.09, 3863877.25	4.20E-04	1.32E-07	5.62E-08	4.53E-04	1.43E-07	6.06E-08	7.14E-04	2.26E-07	9.57E-08
5045	473863.09, 3863877.25	4.33E-04	1.37E-07	5.79E-08	4.66E-04	1.47E-07	6.25E-08	7.36E-04	2.32E-07	9.86E-08
5046	474363.09, 3863877.25	4.46E-04	1.41E-07	5.97E-08	4.81E-04	1.52E-07	6.44E-08	7.59E-04	2.40E-07	1.02E-07
5047	474863.09, 3863877.25	4.60E-04	1.45E-07	6.16E-08	4.96E-04	1.57E-07	6.65E-08	7.83E-04	2.47E-07	1.05E-07
5048	475363.09, 3863877.25	4.77E-04	1.51E-07	6.39E-08	5.14E-04	1.62E-07	6.89E-08	8.11E-04	2.56E-07	1.09E-07
5049	475863.09, 3863877.25	4.93E-04	1.56E-07	6.60E-08	5.31E-04	1.68E-07	7.12E-08	8.37E-04	2.64E-07	1.12E-07
5050	476363.09, 3863877.25	5.10E-04	1.61E-07	6.83E-08	5.50E-04	1.74E-07	7.37E-08	8.66E-04	2.73E-07	1.16E-07
5051	476863.09, 3863877.25	5.29E-04	1.67E-07	7.08E-08	5.70E-04	1.80E-07	7.63E-08	8.97E-04	2.83E-07	1.20E-07
5052	477363.09, 3863877.25	5.49E-04	1.73E-07	7.36E-08	5.92E-04	1.87E-07	7.93E-08	9.32E-04	2.94E-07	1.25E-07
5053	477863.09, 3863877.25	5.71E-04	1.80E-07	7.64E-08	6.15E-04	1.94E-07	8.24E-08	9.69E-04	3.06E-07	1.30E-07
5054	478363.09, 3863877.25	5.82E-04	1.84E-07	7.79E-08	6.27E-04	1.98E-07	8.40E-08	9.88E-04	3.12E-07	1.32E-07
5055	478863.09, 3863877.25	6.21E-04	1.96E-07	8.32E-08	6.70E-04	2.11E-07	8.97E-08	1.05E-03	3.33E-07	1.41E-07
5056	479363.09, 3863877.25	6.46E-04	2.04E-07	8.65E-08	6.96E-04	2.20E-07	9.32E-08	1.09E-03	3.45E-07	1.46E-07
5057	479863.09, 3863877.25	6.67E-04	2.11E-07	8.94E-08	7.19E-04	2.27E-07	9.63E-08	1.13E-03	3.57E-07	1.51E-07
5058	480363.09, 3863877.25	6.91E-04	2.18E-07	9.26E-08	7.45E-04	2.35E-07	9.98E-08	1.17E-03	3.69E-07	1.57E-07
5059	480863.09, 3863877.25	7.18E-04	2.27E-07	9.62E-08	7.74E-04	2.44E-07	1.04E-07	1.22E-03	3.84E-07	1.63E-07

5060	481363.09, 3863877.25	7.42E-04	2.34E-07	9.93E-08	7.99E-04	2.52E-07	1.07E-07	1.26E-03	3.96E-07	1.68E-07
5061	481863.09, 3863877.25	7.64E-04	2.41E-07	1.02E-07	8.23E-04	2.60E-07	1.10E-07	1.29E-03	4.08E-07	1.73E-07
5062	482363.09, 3863877.25	7.87E-04	2.48E-07	1.05E-07	8.48E-04	2.68E-07	1.14E-07	1.33E-03	4.20E-07	1.78E-07
5063	482863.09, 3863877.25	8.02E-04	2.53E-07	1.07E-07	8.64E-04	2.73E-07	1.16E-07	1.36E-03	4.28E-07	1.82E-07
5064	483363.09, 3863877.25	8.10E-04	2.56E-07	1.09E-07	8.73E-04	2.76E-07	1.17E-07	1.37E-03	4.32E-07	1.83E-07
5065	483863.09, 3863877.25	8.12E-04	2.56E-07	1.09E-07	8.75E-04	2.76E-07	1.17E-07	1.37E-03	4.32E-07	1.83E-07
5066	484363.09, 3863877.25	8.06E-04	2.54E-07	1.08E-07	8.68E-04	2.74E-07	1.16E-07	1.36E-03	4.28E-07	1.82E-07
5067	484863.09, 3863877.25	8.01E-04	2.53E-07	1.07E-07	8.62E-04	2.72E-07	1.15E-07	1.35E-03	4.25E-07	1.80E-07
5068	485363.09, 3863877.25	7.94E-04	2.51E-07	1.06E-07	8.55E-04	2.70E-07	1.14E-07	1.33E-03	4.21E-07	1.79E-07
5069	485863.09, 3863877.25	7.93E-04	2.50E-07	1.06E-07	8.53E-04	2.69E-07	1.14E-07	1.33E-03	4.20E-07	1.78E-07
5070	486363.09, 3863877.25	7.86E-04	2.48E-07	1.05E-07	8.46E-04	2.67E-07	1.13E-07	1.32E-03	4.17E-07	1.77E-07
5071	486863.09, 3863877.25	7.77E-04	2.45E-07	1.04E-07	8.36E-04	2.64E-07	1.12E-07	1.30E-03	4.12E-07	1.75E-07
5072	487363.09, 3863877.25	7.69E-04	2.43E-07	1.03E-07	8.27E-04	2.61E-07	1.11E-07	1.29E-03	4.07E-07	1.73E-07
5073	487863.09, 3863877.25	7.63E-04	2.41E-07	1.02E-07	8.22E-04	2.59E-07	1.10E-07	1.28E-03	4.05E-07	1.72E-07
5074	488363.09, 3863877.25	7.65E-04	2.41E-07	1.02E-07	8.24E-04	2.60E-07	1.10E-07	1.29E-03	4.07E-07	1.73E-07
5075	488863.09, 3863877.25	7.71E-04	2.43E-07	1.03E-07	8.30E-04	2.62E-07	1.11E-07	1.30E-03	4.11E-07	1.74E-07
5076	489363.09, 3863877.25	7.73E-04	2.44E-07	1.03E-07	8.33E-04	2.63E-07	1.12E-07	1.31E-03	4.13E-07	1.75E-07
5077	489863.09, 3863877.25	7.75E-04	2.45E-07	1.04E-07	8.35E-04	2.64E-07	1.12E-07	1.31E-03	4.14E-07	1.76E-07
5078	490363.09, 3863877.25	7.82E-04	2.47E-07	1.05E-07	8.43E-04	2.66E-07	1.13E-07	1.33E-03	4.19E-07	1.78E-07
5079	490863.09, 3863877.25	7.93E-04	2.50E-07	1.06E-07	8.55E-04	2.70E-07	1.14E-07	1.35E-03	4.25E-07	1.80E-07
5080	491363.09, 3863877.25	8.00E-04	2.53E-07	1.07E-07	8.63E-04	2.72E-07	1.16E-07	1.36E-03	4.30E-07	1.82E-07
5081	491863.09, 3863877.25	8.20E-04	2.59E-07	1.10E-07	8.85E-04	2.79E-07	1.19E-07	1.40E-03	4.41E-07	1.87E-07
5082	492363.09, 3863877.25	8.37E-04	2.64E-07	1.12E-07	9.03E-04	2.85E-07	1.21E-07	1.43E-03	4.51E-07	1.91E-07
5083	492863.09, 3863877.25	8.43E-04	2.66E-07	1.13E-07	9.09E-04	2.87E-07	1.22E-07	1.44E-03	4.54E-07	1.93E-07
5084	493363.09, 3863877.25	8.75E-04	2.76E-07	1.17E-07	9.44E-04	2.98E-07	1.26E-07	1.50E-03	4.72E-07	2.00E-07
5085	493863.09, 3863877.25	8.67E-04	2.74E-07	1.16E-07	9.35E-04	2.95E-07	1.25E-07	1.48E-03	4.68E-07	1.99E-07
5086	494363.09, 3863877.25	8.32E-04	2.63E-07	1.11E-07	8.98E-04	2.83E-07	1.20E-07	1.43E-03	4.50E-07	1.91E-07
5087	494863.09, 3863877.25	7.94E-04	2.51E-07	1.06E-07	8.57E-04	2.71E-07	1.15E-07	1.36E-03	4.29E-07	1.82E-07
5088	495363.09, 3863877.25	7.72E-04	2.44E-07	1.03E-07	8.33E-04	2.63E-07	1.12E-07	1.32E-03	4.17E-07	1.77E-07
5089	495863.09, 3863877.25	7.64E-04	2.41E-07	1.02E-07	8.25E-04	2.60E-07	1.10E-07	1.31E-03	4.13E-07	1.75E-07
5090	496363.09, 3863877.25	7.57E-04	2.39E-07	1.01E-07	8.17E-04	2.58E-07	1.09E-07	1.30E-03	4.10E-07	1.74E-07
5091	496863.09, 3863877.25	7.55E-04	2.38E-07	1.01E-07	8.15E-04	2.57E-07	1.09E-07	1.30E-03	4.09E-07	1.74E-07
5092	497363.09, 3863877.25	7.60E-04	2.40E-07	1.02E-07	8.21E-04	2.59E-07	1.10E-07	1.31E-03	4.12E-07	1.75E-07
5093	497863.09, 3863877.25	7.75E-04	2.45E-07	1.04E-07	8.37E-04	2.64E-07	1.12E-07	1.33E-03	4.21E-07	1.78E-07
5094	498363.09, 3863877.25	7.87E-04	2.48E-07	1.05E-07	8.50E-04	2.68E-07	1.14E-07	1.35E-03	4.28E-07	1.81E-07
5095	471363.09, 3864377.25	3.56E-04	1.12E-07	4.76E-08	3.84E-04	1.21E-07	5.14E-08	6.06E-04	1.91E-07	8.12E-08
5096	471863.09, 3864377.25	3.66E-04	1.15E-07	4.90E-08	3.94E-04	1.24E-07	5.28E-08	6.23E-04	1.97E-07	8.35E-08
5097	472363.09, 3864377.25	3.76E-04	1.19E-07	5.03E-08	4.05E-04	1.28E-07	5.42E-08	6.40E-04	2.02E-07	8.57E-08
5098	472863.09, 3864377.25	3.86E-04	1.22E-07	5.17E-08	4.16E-04	1.31E-07	5.57E-08	6.57E-04	2.07E-07	8.80E-08
5099	473363.09, 3864377.25	3.96E-04	1.25E-07	5.30E-08	4.27E-04	1.35E-07	5.72E-08	6.74E-04	2.13E-07	9.02E-08
5100	473863.09, 3864377.25	4.07E-04	1.28E-07	5.45E-08	4.39E-04	1.38E-07	5.87E-08	6.92E-04	2.18E-07	9.26E-08
5101	474363.09, 3864377.25	4.19E-04	1.32E-07	5.62E-08	4.52E-04	1.43E-07	6.06E-08	7.13E-04	2.25E-07	9.55E-08
5102	474863.09, 3864377.25	4.32E-04	1.36E-07	5.78E-08	4.65E-04	1.47E-07	6.23E-08	7.33E-04	2.31E-07	9.82E-08
5103	475363.09, 3864377.25	4.46E-04	1.41E-07	5.97E-08	4.80E-04	1.52E-07	6.43E-08	7.56E-04	2.39E-07	1.01E-07
5104	475863.09, 3864377.25	4.59E-04	1.45E-07	6.15E-08	4.95E-04	1.56E-07	6.63E-08	7.79E-04	2.46E-07	1.04E-07
5105	476363.09, 3864377.25	4.75E-04	1.50E-07	6.36E-08	5.12E-04	1.62E-07	6.86E-08	8.05E-04	2.54E-07	1.08E-07
5106	476863.09, 3864377.25	4.93E-04	1.56E-07	6.60E-08	5.31E-04	1.68E-07	7.12E-08	8.35E-04	2.64E-07	1.12E-07
5107	477363.09, 3864377.25	5.12E-04	1.62E-07	6.86E-08	5.52E-04	1.74E-07	7.39E-08	8.68E-04	2.74E-07	1.16E-07
5108	477863.09, 3864377.25	5.34E-04	1.69E-07	7.15E-08	5.75E-04	1.82E-07	7.71E-08	9.04E-04	2.85E-07	1.21E-07
5109	478363.09, 3864377.25	5.56E-04	1.76E-07	7.45E-08	6.00E-04	1.89E-07	8.03E-08	9.43E-04	2.97E-07	1.26E-07
5110	478863.09, 3864377.25	5.78E-04	1.82E-07	7.74E-08	6.23E-04	1.97E-07	8.34E-08	9.79E-04	3.09E-07	1.31E-07
5111	479363.09, 3864377.25	5.96E-04	1.88E-07	7.98E-08	6.42E-04	2.03E-07	8.60E-08	1.01E-03	3.18E-07	1.35E-07
5112	479863.09, 3864377.25	6.16E-04	1.95E-07	8.25E-08	6.64E-04	2.10E-07	8.89E-08	1.04E-03	3.29E-07	1.40E-07
5113	480363.09, 3864377.25	6.39E-04	2.02E-07	8.56E-08	6.89E-04	2.17E-07	9.23E-08	1.08E-03	3.42E-07	1.45E-07
5114	480863.09, 3864377.25	6.58E-04	2.08E-07	8.82E-08	7.10E-04	2.24E-07	9.50E-08	1.11E-03	3.52E-07	1.49E-07
5115	481363.09, 3864377.25	6.78E-04	2.14E-07	9.07E-08	7.30E-04	2.30E-07	9.78E-08	1.15E-03	3.62E-07	1.53E-07
5116	481863.09, 3864377.25	6.96E-04	2.20E-07	9.32E-08	7.50E-04	2.37E-07	1.00E-07	1.18E-03	3.72E-07	1.58E-07
5117	482363.09, 3864377.25	7.13E-04	2.25E-07	9.54E-08	7.68E-04	2.42E-07	1.03E-07	1.20E-03	3.80E-07	1.61E-07
5118	482863.09, 3864377.25	7.24E-04	2.28E-07	9.69E-08	7.80E-04	2.46E-07	1.04E-07	1.22E-03	3.86E-07	1.64E-07
5119	483363.09, 3864377.25	7.27E-04	2.29E-07	9.74E-08	7.83E-04	2.47E-07	1.05E-07	1.23E-03	3.87E-07	1.64E-07
5120	483863.09, 3864377.25	7.25E-04	2.29E-07	9.71E-08	7.81E-04	2.46E-07	1.05E-07	1.22E-03	3.85E-07	1.64E-07

5121 484363.09, 3864377.25	7.20E-04	2.27E-07	9.64E-08	7.76E-04	2.45E-07	1.04E-07	1.21E-03	3.82E-07	1.62E-07
5122 484863.09, 3864377.25	7.12E-04	2.25E-07	9.54E-08	7.67E-04	2.42E-07	1.03E-07	1.20E-03	3.78E-07	1.60E-07
5123 485363.09, 3864377.25	7.06E-04	2.23E-07	9.46E-08	7.61E-04	2.40E-07	1.02E-07	1.19E-03	3.74E-07	1.59E-07
5124 485863.09, 3864377.25	7.05E-04	2.22E-07	9.44E-08	7.59E-04	2.39E-07	1.02E-07	1.18E-03	3.73E-07	1.58E-07
5125 486363.09, 3864377.25	7.02E-04	2.21E-07	9.40E-08	7.56E-04	2.38E-07	1.01E-07	1.18E-03	3.72E-07	1.58E-07
5126 486863.09, 3864377.25	6.94E-04	2.19E-07	9.30E-08	7.48E-04	2.36E-07	1.00E-07	1.16E-03	3.68E-07	1.56E-07
5127 487363.09, 3864377.25	6.89E-04	2.18E-07	9.23E-08	7.42E-04	2.34E-07	9.94E-08	1.16E-03	3.65E-07	1.55E-07
5128 487863.09, 3864377.25	6.85E-04	2.16E-07	9.17E-08	7.38E-04	2.33E-07	9.88E-08	1.15E-03	3.63E-07	1.54E-07
5129 488363.09, 3864377.25	6.84E-04	2.16E-07	9.15E-08	7.36E-04	2.32E-07	9.86E-08	1.15E-03	3.63E-07	1.54E-07
5130 488863.09, 3864377.25	6.89E-04	2.17E-07	9.23E-08	7.42E-04	2.34E-07	9.94E-08	1.16E-03	3.67E-07	1.56E-07
5131 489363.09, 3864377.25	6.92E-04	2.18E-07	9.26E-08	7.45E-04	2.35E-07	9.98E-08	1.17E-03	3.69E-07	1.57E-07
5132 489863.09, 3864377.25	6.93E-04	2.19E-07	9.28E-08	7.47E-04	2.36E-07	1.00E-07	1.17E-03	3.70E-07	1.57E-07
5133 490363.09, 3864377.25	6.97E-04	2.20E-07	9.34E-08	7.52E-04	2.37E-07	1.01E-07	1.18E-03	3.73E-07	1.58E-07
5134 490863.09, 3864377.25	7.09E-04	2.24E-07	9.50E-08	7.65E-04	2.41E-07	1.02E-07	1.20E-03	3.80E-07	1.61E-07
5135 491363.09, 3864377.25	7.39E-04	2.33E-07	9.90E-08	7.97E-04	2.52E-07	1.07E-07	1.26E-03	3.97E-07	1.68E-07
5136 491863.09, 3864377.25	4.54E-04	1.43E-07	6.08E-08	4.90E-04	1.55E-07	6.56E-08	7.75E-04	2.45E-07	1.04E-07
5137 492363.09, 3864377.25	6.92E-04	2.18E-07	9.27E-08	7.47E-04	2.36E-07	1.00E-07	1.18E-03	3.73E-07	1.58E-07
5138 492863.09, 3864377.25	5.25E-04	1.66E-07	7.03E-08	5.67E-04	1.79E-07	7.59E-08	9.00E-04	2.84E-07	1.20E-07
5139 493363.09, 3864377.25	6.90E-04	2.18E-07	9.24E-08	7.44E-04	2.35E-07	9.97E-08	1.18E-03	3.73E-07	1.58E-07
5140 493863.09, 3864377.25	7.75E-04	2.45E-07	1.04E-07	8.37E-04	2.64E-07	1.12E-07	1.33E-03	4.19E-07	1.78E-07
5141 494363.09, 3864377.25	7.85E-04	2.48E-07	1.05E-07	8.47E-04	2.67E-07	1.13E-07	1.34E-03	4.24E-07	1.80E-07
5142 494863.09, 3864377.25	7.51E-04	2.37E-07	1.01E-07	8.10E-04	2.56E-07	1.09E-07	1.29E-03	4.06E-07	1.72E-07
5143 495363.09, 3864377.25	7.17E-04	2.26E-07	9.60E-08	7.74E-04	2.44E-07	1.04E-07	1.23E-03	3.88E-07	1.64E-07
5144 495863.09, 3864377.25	6.94E-04	2.19E-07	9.29E-08	7.49E-04	2.36E-07	1.00E-07	1.19E-03	3.75E-07	1.59E-07
5145 496363.09, 3864377.25	6.83E-04	2.16E-07	9.15E-08	7.37E-04	2.33E-07	9.87E-08	1.17E-03	3.69E-07	1.57E-07
5146 496863.09, 3864377.25	6.79E-04	2.14E-07	9.09E-08	7.33E-04	2.31E-07	9.81E-08	1.16E-03	3.68E-07	1.56E-07
5147 497363.09, 3864377.25	6.76E-04	2.13E-07	9.05E-08	7.30E-04	2.30E-07	9.77E-08	1.16E-03	3.66E-07	1.55E-07
5148 497863.09, 3864377.25	6.86E-04	2.16E-07	9.18E-08	7.40E-04	2.34E-07	9.91E-08	1.18E-03	3.72E-07	1.58E-07
5149 498363.09, 3864377.25	6.89E-04	2.17E-07	9.22E-08	7.44E-04	2.35E-07	9.96E-08	1.18E-03	3.74E-07	1.59E-07
5150 471363.09, 3864877.25	3.39E-04	1.07E-07	4.54E-08	3.65E-04	1.15E-07	4.89E-08	5.77E-04	1.82E-07	7.73E-08
5151 471863.09, 3864877.25	3.47E-04	1.10E-07	4.65E-08	3.75E-04	1.18E-07	5.02E-08	5.91E-04	1.87E-07	7.92E-08
5152 472363.09, 3864877.25	3.55E-04	1.12E-07	4.76E-08	3.83E-04	1.21E-07	5.13E-08	6.05E-04	1.91E-07	8.10E-08
5153 472863.09, 3864877.25	3.64E-04	1.15E-07	4.87E-08	3.92E-04	1.24E-07	5.26E-08	6.19E-04	1.95E-07	8.29E-08
5154 473363.09, 3864877.25	3.73E-04	1.18E-07	4.99E-08	4.02E-04	1.27E-07	5.38E-08	6.33E-04	2.00E-07	8.48E-08
5155 473863.09, 3864877.25	3.82E-04	1.21E-07	5.11E-08	4.12E-04	1.30E-07	5.51E-08	6.49E-04	2.05E-07	8.69E-08
5156 474363.09, 3864877.25	3.93E-04	1.24E-07	5.26E-08	4.23E-04	1.34E-07	5.67E-08	6.67E-04	2.10E-07	8.93E-08
5157 474863.09, 3864877.25	4.04E-04	1.27E-07	5.41E-08	4.35E-04	1.37E-07	5.83E-08	6.85E-04	2.16E-07	9.17E-08
5158 475363.09, 3864877.25	4.16E-04	1.31E-07	5.57E-08	4.48E-04	1.41E-07	6.00E-08	7.05E-04	2.22E-07	9.44E-08
5159 475863.09, 3864877.25	4.29E-04	1.35E-07	5.74E-08	4.62E-04	1.46E-07	6.19E-08	7.26E-04	2.29E-07	9.72E-08
5160 476363.09, 3864877.25	4.44E-04	1.40E-07	5.95E-08	4.79E-04	1.51E-07	6.41E-08	7.52E-04	2.37E-07	1.01E-07
5161 476863.09, 3864877.25	4.63E-04	1.46E-07	6.20E-08	4.99E-04	1.57E-07	6.68E-08	7.84E-04	2.47E-07	1.05E-07
5162 477363.09, 3864877.25	4.81E-04	1.52E-07	6.45E-08	5.19E-04	1.64E-07	6.95E-08	8.15E-04	2.57E-07	1.09E-07
5163 477863.09, 3864877.25	5.01E-04	1.58E-07	6.71E-08	5.40E-04	1.71E-07	7.23E-08	8.49E-04	2.68E-07	1.14E-07
5164 478363.09, 3864877.25	5.20E-04	1.64E-07	6.96E-08	5.60E-04	1.77E-07	7.50E-08	8.80E-04	2.78E-07	1.18E-07
5165 478863.09, 3864877.25	5.36E-04	1.69E-07	7.18E-08	5.78E-04	1.82E-07	7.74E-08	9.08E-04	2.87E-07	1.22E-07
5166 479363.09, 3864877.25	5.53E-04	1.74E-07	7.40E-08	5.96E-04	1.88E-07	7.98E-08	9.35E-04	2.95E-07	1.25E-07
5167 479863.09, 3864877.25	5.69E-04	1.80E-07	7.63E-08	6.14E-04	1.94E-07	8.22E-08	9.64E-04	3.04E-07	1.29E-07
5168 480363.09, 3864877.25	5.90E-04	1.86E-07	7.90E-08	6.36E-04	2.01E-07	8.51E-08	9.98E-04	3.15E-07	1.34E-07
5169 480863.09, 3864877.25	6.06E-04	1.91E-07	8.12E-08	6.53E-04	2.06E-07	8.75E-08	1.03E-03	3.24E-07	1.37E-07
5170 481363.09, 3864877.25	6.22E-04	1.96E-07	8.32E-08	6.70E-04	2.11E-07	8.97E-08	1.05E-03	3.32E-07	1.41E-07
5171 481863.09, 3864877.25	6.35E-04	2.00E-07	8.50E-08	6.84E-04	2.16E-07	9.16E-08	1.07E-03	3.39E-07	1.44E-07
5172 482363.09, 3864877.25	6.47E-04	2.04E-07	8.66E-08	6.97E-04	2.20E-07	9.33E-08	1.09E-03	3.45E-07	1.46E-07
5173 482863.09, 3864877.25	6.55E-04	2.07E-07	8.77E-08	7.06E-04	2.23E-07	9.45E-08	1.11E-03	3.49E-07	1.48E-07
5174 483363.09, 3864877.25	6.57E-04	2.07E-07	8.80E-08	7.08E-04	2.23E-07	9.48E-08	1.11E-03	3.50E-07	1.48E-07
5175 483863.09, 3864877.25	6.52E-04	2.06E-07	8.74E-08	7.03E-04	2.22E-07	9.41E-08	1.10E-03	3.47E-07	1.47E-07
5176 484363.09, 3864877.25	6.47E-04	2.04E-07	8.67E-08	6.97E-04	2.20E-07	9.33E-08	1.09E-03	3.43E-07	1.46E-07
5177 484863.09, 3864877.25	6.40E-04	2.02E-07	8.58E-08	6.90E-04	2.18E-07	9.23E-08	1.08E-03	3.39E-07	1.44E-07
5178 485363.09, 3864877.25	6.37E-04	2.01E-07	8.53E-08	6.86E-04	2.16E-07	9.18E-08	1.07E-03	3.37E-07	1.43E-07
5179 485863.09, 3864877.25	6.34E-04	2.00E-07	8.49E-08	6.82E-04	2.15E-07	9.14E-08	1.06E-03	3.36E-07	1.42E-07
5180 486363.09, 3864877.25	6.30E-04	1.99E-07	8.44E-08	6.79E-04	2.14E-07	9.09E-08	1.06E-03	3.34E-07	1.42E-07
5181 486863.09, 3864877.25	6.25E-04	1.97E-07	8.37E-08	6.73E-04	2.12E-07	9.01E-08	1.05E-03	3.31E-07	1.40E-07

5182	487363.09, 3864877.25	6.21E-04	1.96E-07	8.31E-08	6.68E-04	2.11E-07	8.95E-08	1.04E-03	3.29E-07	1.39E-07
5183	487863.09, 3864877.25	6.18E-04	1.95E-07	8.27E-08	6.65E-04	2.10E-07	8.91E-08	1.04E-03	3.27E-07	1.39E-07
5184	488363.09, 3864877.25	6.18E-04	1.95E-07	8.27E-08	6.65E-04	2.10E-07	8.91E-08	1.04E-03	3.28E-07	1.39E-07
5185	488863.09, 3864877.25	6.21E-04	1.96E-07	8.31E-08	6.69E-04	2.11E-07	8.95E-08	1.05E-03	3.30E-07	1.40E-07
5186	489363.09, 3864877.25	6.23E-04	1.97E-07	8.35E-08	6.72E-04	2.12E-07	8.99E-08	1.05E-03	3.32E-07	1.41E-07
5187	489863.09, 3864877.25	6.24E-04	1.97E-07	8.36E-08	6.73E-04	2.12E-07	9.01E-08	1.06E-03	3.33E-07	1.41E-07
5188	490363.09, 3864877.25	6.28E-04	1.98E-07	8.41E-08	6.77E-04	2.14E-07	9.06E-08	1.06E-03	3.35E-07	1.42E-07
5189	490863.09, 3864877.25	6.47E-04	2.04E-07	8.67E-08	6.98E-04	2.20E-07	9.34E-08	1.10E-03	3.47E-07	1.47E-07
5190	491363.09, 3864877.25	6.62E-04	2.09E-07	8.86E-08	7.14E-04	2.25E-07	9.56E-08	1.12E-03	3.55E-07	1.51E-07
5191	491863.09, 3864877.25	6.59E-04	2.08E-07	8.82E-08	7.11E-04	2.24E-07	9.52E-08	1.12E-03	3.54E-07	1.50E-07
5192	492363.09, 3864877.25	2.70E-04	8.51E-08	3.61E-08	2.91E-04	9.18E-08	3.89E-08	4.58E-04	1.45E-07	6.13E-08
5193	492863.09, 3864877.25	3.62E-04	1.14E-07	4.85E-08	3.91E-04	1.23E-07	5.23E-08	6.18E-04	1.95E-07	8.28E-08
5194	493363.09, 3864877.25	3.47E-04	1.09E-07	4.64E-08	3.74E-04	1.18E-07	5.01E-08	5.91E-04	1.87E-07	7.92E-08
5195	493863.09, 3864877.25	6.36E-04	2.01E-07	8.51E-08	6.86E-04	2.16E-07	9.19E-08	1.09E-03	3.43E-07	1.46E-07
5196	494363.09, 3864877.25	7.04E-04	2.22E-07	9.43E-08	7.60E-04	2.40E-07	1.02E-07	1.20E-03	3.80E-07	1.61E-07
5197	494863.09, 3864877.25	7.10E-04	2.24E-07	9.51E-08	7.66E-04	2.42E-07	1.03E-07	1.22E-03	3.84E-07	1.63E-07
5198	495363.09, 3864877.25	6.82E-04	2.15E-07	9.13E-08	7.36E-04	2.32E-07	9.86E-08	1.17E-03	3.69E-07	1.56E-07
5199	495863.09, 3864877.25	6.50E-04	2.05E-07	8.71E-08	7.02E-04	2.22E-07	9.40E-08	1.11E-03	3.52E-07	1.49E-07
5200	496363.09, 3864877.25	6.29E-04	1.98E-07	8.42E-08	6.79E-04	2.14E-07	9.09E-08	1.08E-03	3.40E-07	1.44E-07
5201	496863.09, 3864877.25	6.18E-04	1.95E-07	8.27E-08	6.67E-04	2.10E-07	8.93E-08	1.06E-03	3.34E-07	1.42E-07
5202	497363.09, 3864877.25	6.13E-04	1.93E-07	8.20E-08	6.61E-04	2.09E-07	8.85E-08	1.05E-03	3.32E-07	1.41E-07
5203	497863.09, 3864877.25	6.12E-04	1.93E-07	8.19E-08	6.61E-04	2.08E-07	8.85E-08	1.05E-03	3.32E-07	1.41E-07
5204	498363.09, 3864877.25	6.11E-04	1.93E-07	8.19E-08	6.60E-04	2.08E-07	8.84E-08	1.05E-03	3.31E-07	1.41E-07
5205	471363.09, 3865377.25	3.21E-04	1.01E-07	4.30E-08	3.47E-04	1.09E-07	4.64E-08	5.47E-04	1.73E-07	7.32E-08
5206	471863.09, 3865377.25	3.28E-04	1.04E-07	4.40E-08	3.54E-04	1.12E-07	4.74E-08	5.58E-04	1.76E-07	7.48E-08
5207	472363.09, 3865377.25	3.35E-04	1.06E-07	4.49E-08	3.61E-04	1.14E-07	4.84E-08	5.69E-04	1.80E-07	7.62E-08
5208	472863.09, 3865377.25	3.43E-04	1.08E-07	4.59E-08	3.70E-04	1.17E-07	4.95E-08	5.82E-04	1.84E-07	7.79E-08
5209	473363.09, 3865377.25	3.50E-04	1.10E-07	4.69E-08	3.77E-04	1.19E-07	5.05E-08	5.94E-04	1.87E-07	7.95E-08
5210	473863.09, 3865377.25	3.58E-04	1.13E-07	4.80E-08	3.86E-04	1.22E-07	5.17E-08	6.08E-04	1.92E-07	8.14E-08
5211	474363.09, 3865377.25	3.68E-04	1.16E-07	4.93E-08	3.97E-04	1.25E-07	5.31E-08	6.23E-04	1.97E-07	8.35E-08
5212	474863.09, 3865377.25	3.79E-04	1.20E-07	5.07E-08	4.08E-04	1.29E-07	5.46E-08	6.41E-04	2.02E-07	8.59E-08
5213	475363.09, 3865377.25	3.90E-04	1.23E-07	5.22E-08	4.20E-04	1.33E-07	5.62E-08	6.59E-04	2.08E-07	8.83E-08
5214	475863.09, 3865377.25	4.04E-04	1.27E-07	5.41E-08	4.35E-04	1.37E-07	5.83E-08	6.83E-04	2.16E-07	9.15E-08
5215	476363.09, 3865377.25	4.22E-04	1.33E-07	5.66E-08	4.55E-04	1.44E-07	6.10E-08	7.15E-04	2.26E-07	9.58E-08
5216	476863.09, 3865377.25	4.29E-04	1.35E-07	5.75E-08	4.63E-04	1.46E-07	6.20E-08	7.28E-04	2.30E-07	9.75E-08
5217	477363.09, 3865377.25	4.58E-04	1.44E-07	6.13E-08	4.93E-04	1.56E-07	6.61E-08	7.76E-04	2.45E-07	1.04E-07
5218	477863.09, 3865377.25	4.72E-04	1.49E-07	6.32E-08	5.08E-04	1.60E-07	6.81E-08	7.99E-04	2.52E-07	1.07E-07
5219	478363.09, 3865377.25	4.88E-04	1.54E-07	6.53E-08	5.26E-04	1.66E-07	7.04E-08	8.26E-04	2.61E-07	1.11E-07
5220	478863.09, 3865377.25	5.00E-04	1.58E-07	6.70E-08	5.39E-04	1.70E-07	7.22E-08	8.46E-04	2.67E-07	1.13E-07
5221	479363.09, 3865377.25	5.14E-04	1.62E-07	6.88E-08	5.54E-04	1.75E-07	7.41E-08	8.69E-04	2.74E-07	1.16E-07
5222	479863.09, 3865377.25	5.30E-04	1.67E-07	7.10E-08	5.71E-04	1.80E-07	7.65E-08	8.97E-04	2.83E-07	1.20E-07
5223	480363.09, 3865377.25	5.45E-04	1.72E-07	7.29E-08	5.87E-04	1.85E-07	7.86E-08	9.21E-04	2.91E-07	1.23E-07
5224	480863.09, 3865377.25	5.58E-04	1.76E-07	7.48E-08	6.02E-04	1.90E-07	8.06E-08	9.44E-04	2.98E-07	1.26E-07
5225	481363.09, 3865377.25	5.71E-04	1.80E-07	7.65E-08	6.16E-04	1.94E-07	8.24E-08	9.66E-04	3.05E-07	1.29E-07
5226	481863.09, 3865377.25	5.81E-04	1.84E-07	7.79E-08	6.27E-04	1.98E-07	8.39E-08	9.83E-04	3.10E-07	1.32E-07
5227	482363.09, 3865377.25	5.90E-04	1.86E-07	7.90E-08	6.35E-04	2.01E-07	8.51E-08	9.96E-04	3.14E-07	1.33E-07
5228	482863.09, 3865377.25	5.95E-04	1.88E-07	7.97E-08	6.41E-04	2.02E-07	8.58E-08	1.00E-03	3.17E-07	1.34E-07
5229	483363.09, 3865377.25	5.96E-04	1.88E-07	7.98E-08	6.42E-04	2.03E-07	8.59E-08	1.00E-03	3.17E-07	1.34E-07
5230	483863.09, 3865377.25	5.91E-04	1.87E-07	7.92E-08	6.37E-04	2.01E-07	8.53E-08	9.95E-04	3.14E-07	1.33E-07
5231	484363.09, 3865377.25	5.86E-04	1.85E-07	7.85E-08	6.31E-04	1.99E-07	8.45E-08	9.85E-04	3.11E-07	1.32E-07
5232	484863.09, 3865377.25	5.81E-04	1.83E-07	7.78E-08	6.26E-04	1.97E-07	8.38E-08	9.75E-04	3.08E-07	1.31E-07
5233	485363.09, 3865377.25	5.77E-04	1.82E-07	7.73E-08	6.21E-04	1.96E-07	8.32E-08	9.67E-04	3.05E-07	1.30E-07
5234	485863.09, 3865377.25	5.74E-04	1.81E-07	7.68E-08	6.17E-04	1.95E-07	8.27E-08	9.62E-04	3.04E-07	1.29E-07
5235	486363.09, 3865377.25	5.71E-04	1.80E-07	7.65E-08	6.15E-04	1.94E-07	8.23E-08	9.57E-04	3.02E-07	1.28E-07
5236	486863.09, 3865377.25	5.67E-04	1.79E-07	7.59E-08	6.10E-04	1.93E-07	8.17E-08	9.50E-04	3.00E-07	1.27E-07
5237	487363.09, 3865377.25	5.64E-04	1.78E-07	7.55E-08	6.07E-04	1.92E-07	8.13E-08	9.45E-04	2.98E-07	1.27E-07
5238	487863.09, 3865377.25	5.62E-04	1.77E-07	7.52E-08	6.05E-04	1.91E-07	8.10E-08	9.42E-04	2.97E-07	1.26E-07
5239	488363.09, 3865377.25	5.62E-04	1.77E-07	7.53E-08	6.06E-04	1.91E-07	8.11E-08	9.45E-04	2.98E-07	1.26E-07
5240	488863.09, 3865377.25	5.65E-04	1.78E-07	7.57E-08	6.09E-04	1.92E-07	8.15E-08	9.51E-04	3.00E-07	1.27E-07
5241	489363.09, 3865377.25	5.67E-04	1.79E-07	7.60E-08	6.11E-04	1.93E-07	8.19E-08	9.58E-04	3.02E-07	1.28E-07
5242	489863.09, 3865377.25	5.72E-04	1.80E-07	7.66E-08	6.16E-04	1.94E-07	8.25E-08	9.67E-04	3.05E-07	1.29E-07

5243	490363.09, 3865377.25	5.84E-04	1.84E-07	7.82E-08	6.30E-04	1.99E-07	8.43E-08	9.91E-04	3.13E-07	1.33E-07
5244	490863.09, 3865377.25	5.81E-04	1.83E-07	7.78E-08	6.27E-04	1.98E-07	8.39E-08	9.86E-04	3.11E-07	1.32E-07
5245	491363.09, 3865377.25	5.82E-04	1.84E-07	7.79E-08	6.27E-04	1.98E-07	8.40E-08	9.89E-04	3.12E-07	1.32E-07
5246	491863.09, 3865377.25	5.90E-04	1.86E-07	7.90E-08	6.36E-04	2.01E-07	8.52E-08	1.00E-03	3.17E-07	1.34E-07
5247	492363.09, 3865377.25	5.32E-04	1.68E-07	7.12E-08	5.74E-04	1.81E-07	7.68E-08	9.09E-04	2.87E-07	1.22E-07
5248	492863.09, 3865377.25	4.21E-04	1.33E-07	5.64E-08	4.55E-04	1.43E-07	6.09E-08	7.20E-04	2.27E-07	9.64E-08
5249	493363.09, 3865377.25	3.19E-04	1.01E-07	4.28E-08	3.44E-04	1.09E-07	4.61E-08	5.45E-04	1.72E-07	7.29E-08
5250	493863.09, 3865377.25	4.69E-04	1.48E-07	6.28E-08	5.06E-04	1.60E-07	6.77E-08	8.02E-04	2.53E-07	1.07E-07
5251	494363.09, 3865377.25	5.85E-04	1.85E-07	7.84E-08	6.32E-04	1.99E-07	8.46E-08	1.00E-03	3.16E-07	1.34E-07
5252	494863.09, 3865377.25	6.38E-04	2.01E-07	8.54E-08	6.88E-04	2.17E-07	9.21E-08	1.09E-03	3.44E-07	1.46E-07
5253	495363.09, 3865377.25	6.46E-04	2.04E-07	8.65E-08	6.97E-04	2.20E-07	9.34E-08	1.11E-03	3.49E-07	1.48E-07
5254	495863.09, 3865377.25	6.23E-04	1.96E-07	8.34E-08	6.72E-04	2.12E-07	9.00E-08	1.07E-03	3.36E-07	1.43E-07
5255	496363.09, 3865377.25	5.92E-04	1.87E-07	7.92E-08	6.39E-04	2.02E-07	8.55E-08	1.01E-03	3.20E-07	1.36E-07
5256	496863.09, 3865377.25	5.65E-04	1.78E-07	7.56E-08	6.09E-04	1.92E-07	8.16E-08	9.66E-04	3.05E-07	1.29E-07
5257	497363.09, 3865377.25	5.62E-04	1.77E-07	7.52E-08	6.06E-04	1.91E-07	8.12E-08	9.63E-04	3.04E-07	1.29E-07
5258	497863.09, 3865377.25	5.57E-04	1.76E-07	7.46E-08	6.01E-04	1.90E-07	8.05E-08	9.55E-04	3.01E-07	1.28E-07
5259	498363.09, 3865377.25	5.57E-04	1.76E-07	7.46E-08	6.02E-04	1.90E-07	8.05E-08	9.56E-04	3.02E-07	1.28E-07
5260	471363.09, 3865877.25	3.04E-04	9.58E-08	4.07E-08	3.27E-04	1.03E-07	4.38E-08	5.16E-04	1.63E-07	6.91E-08
5261	471863.09, 3865877.25	3.09E-04	9.75E-08	4.14E-08	3.33E-04	1.05E-07	4.46E-08	5.24E-04	1.66E-07	7.02E-08
5262	472363.09, 3865877.25	3.16E-04	9.97E-08	4.23E-08	3.41E-04	1.07E-07	4.56E-08	5.36E-04	1.69E-07	7.18E-08
5263	472863.09, 3865877.25	3.21E-04	1.01E-07	4.30E-08	3.46E-04	1.09E-07	4.64E-08	5.45E-04	1.72E-07	7.30E-08
5264	473363.09, 3865877.25	3.28E-04	1.04E-07	4.39E-08	3.54E-04	1.12E-07	4.74E-08	5.56E-04	1.76E-07	7.45E-08
5265	473863.09, 3865877.25	3.37E-04	1.06E-07	4.52E-08	3.64E-04	1.15E-07	4.87E-08	5.71E-04	1.80E-07	7.65E-08
5266	474363.09, 3865877.25	3.47E-04	1.09E-07	4.64E-08	3.74E-04	1.18E-07	5.00E-08	5.87E-04	1.85E-07	7.86E-08
5267	474863.09, 3865877.25	3.58E-04	1.13E-07	4.79E-08	3.86E-04	1.22E-07	5.17E-08	6.06E-04	1.91E-07	8.11E-08
5268	475363.09, 3865877.25	3.70E-04	1.17E-07	4.95E-08	3.99E-04	1.26E-07	5.34E-08	6.25E-04	1.97E-07	8.38E-08
5269	475863.09, 3865877.25	3.84E-04	1.21E-07	5.14E-08	4.14E-04	1.31E-07	5.54E-08	6.49E-04	2.05E-07	8.70E-08
5270	476363.09, 3865877.25	4.01E-04	1.27E-07	5.37E-08	4.33E-04	1.37E-07	5.79E-08	6.80E-04	2.15E-07	9.11E-08
5271	476863.09, 3865877.25	4.08E-04	1.29E-07	5.46E-08	4.39E-04	1.39E-07	5.88E-08	6.92E-04	2.18E-07	9.26E-08
5272	477363.09, 3865877.25	4.35E-04	1.37E-07	5.82E-08	4.68E-04	1.48E-07	6.27E-08	7.36E-04	2.32E-07	9.86E-08
5273	477863.09, 3865877.25	4.46E-04	1.41E-07	5.97E-08	4.80E-04	1.52E-07	6.43E-08	7.55E-04	2.38E-07	1.01E-07
5274	478363.09, 3865877.25	4.58E-04	1.44E-07	6.13E-08	4.93E-04	1.56E-07	6.60E-08	7.74E-04	2.44E-07	1.04E-07
5275	478863.09, 3865877.25	4.68E-04	1.48E-07	6.27E-08	5.05E-04	1.59E-07	6.76E-08	7.92E-04	2.50E-07	1.06E-07
5276	479363.09, 3865877.25	4.80E-04	1.52E-07	6.43E-08	5.18E-04	1.63E-07	6.93E-08	8.12E-04	2.56E-07	1.09E-07
5277	479863.09, 3865877.25	4.93E-04	1.56E-07	6.60E-08	5.31E-04	1.68E-07	7.11E-08	8.34E-04	2.63E-07	1.12E-07
5278	480363.09, 3865877.25	5.06E-04	1.60E-07	6.77E-08	5.45E-04	1.72E-07	7.30E-08	8.56E-04	2.70E-07	1.15E-07
5279	480863.09, 3865877.25	5.18E-04	1.63E-07	6.93E-08	5.58E-04	1.76E-07	7.47E-08	8.76E-04	2.76E-07	1.17E-07
5280	481363.09, 3865877.25	5.27E-04	1.66E-07	7.05E-08	5.68E-04	1.79E-07	7.60E-08	8.90E-04	2.81E-07	1.19E-07
5281	481863.09, 3865877.25	5.34E-04	1.69E-07	7.15E-08	5.76E-04	1.82E-07	7.71E-08	9.03E-04	2.85E-07	1.21E-07
5282	482363.09, 3865877.25	5.40E-04	1.70E-07	7.23E-08	5.82E-04	1.84E-07	7.79E-08	9.12E-04	2.88E-07	1.22E-07
5283	482863.09, 3865877.25	5.44E-04	1.72E-07	7.28E-08	5.86E-04	1.85E-07	7.84E-08	9.17E-04	2.89E-07	1.23E-07
5284	483363.09, 3865877.25	5.44E-04	1.72E-07	7.28E-08	5.86E-04	1.85E-07	7.84E-08	9.16E-04	2.89E-07	1.23E-07
5285	483863.09, 3865877.25	5.41E-04	1.71E-07	7.24E-08	5.82E-04	1.84E-07	7.80E-08	9.09E-04	2.87E-07	1.22E-07
5286	484363.09, 3865877.25	5.37E-04	1.69E-07	7.19E-08	5.78E-04	1.82E-07	7.74E-08	9.00E-04	2.84E-07	1.21E-07
5287	484863.09, 3865877.25	5.30E-04	1.67E-07	7.10E-08	5.70E-04	1.80E-07	7.64E-08	8.88E-04	2.80E-07	1.19E-07
5288	485363.09, 3865877.25	5.25E-04	1.66E-07	7.03E-08	5.65E-04	1.78E-07	7.57E-08	8.80E-04	2.78E-07	1.18E-07
5289	485863.09, 3865877.25	5.22E-04	1.65E-07	6.99E-08	5.62E-04	1.77E-07	7.53E-08	8.75E-04	2.76E-07	1.17E-07
5290	486363.09, 3865877.25	5.19E-04	1.64E-07	6.95E-08	5.59E-04	1.76E-07	7.48E-08	8.69E-04	2.74E-07	1.16E-07
5291	486863.09, 3865877.25	5.16E-04	1.63E-07	6.91E-08	5.56E-04	1.75E-07	7.44E-08	8.64E-04	2.73E-07	1.16E-07
5292	487363.09, 3865877.25	5.14E-04	1.62E-07	6.89E-08	5.54E-04	1.75E-07	7.42E-08	8.62E-04	2.72E-07	1.15E-07
5293	487863.09, 3865877.25	5.15E-04	1.63E-07	6.90E-08	5.55E-04	1.75E-07	7.43E-08	8.64E-04	2.73E-07	1.16E-07
5294	488363.09, 3865877.25	5.15E-04	1.63E-07	6.90E-08	5.55E-04	1.75E-07	7.43E-08	8.65E-04	2.73E-07	1.16E-07
5295	488863.09, 3865877.25	5.18E-04	1.64E-07	6.94E-08	5.58E-04	1.76E-07	7.47E-08	8.72E-04	2.75E-07	1.17E-07
5296	489363.09, 3865877.25	5.21E-04	1.65E-07	6.98E-08	5.61E-04	1.77E-07	7.52E-08	8.79E-04	2.77E-07	1.18E-07
5297	489863.09, 3865877.25	5.23E-04	1.65E-07	7.01E-08	5.64E-04	1.78E-07	7.55E-08	8.84E-04	2.79E-07	1.18E-07
5298	490363.09, 3865877.25	5.30E-04	1.67E-07	7.10E-08	5.71E-04	1.80E-07	7.65E-08	8.97E-04	2.83E-07	1.20E-07
5299	490863.09, 3865877.25	5.34E-04	1.68E-07	7.15E-08	5.76E-04	1.82E-07	7.71E-08	9.06E-04	2.86E-07	1.21E-07
5300	491363.09, 3865877.25	5.24E-04	1.65E-07	7.02E-08	5.65E-04	1.78E-07	7.57E-08	8.91E-04	2.81E-07	1.19E-07
5301	491863.09, 3865877.25	5.24E-04	1.65E-07	7.02E-08	5.65E-04	1.78E-07	7.57E-08	8.93E-04	2.82E-07	1.20E-07
5302	492363.09, 3865877.25	5.13E-04	1.62E-07	6.87E-08	5.53E-04	1.75E-07	7.41E-08	8.75E-04	2.76E-07	1.17E-07
5303	492863.09, 3865877.25	4.15E-04	1.31E-07	5.55E-08	4.47E-04	1.41E-07	5.99E-08	7.08E-04	2.24E-07	9.48E-08

5304 493363.09, 3865877.25	4.13E-04	1.30E-07	5.53E-08	4.46E-04	1.41E-07	5.97E-08	7.06E-04	2.23E-07	9.46E-08
5305 493863.09, 3865877.25	4.56E-04	1.44E-07	6.11E-08	4.92E-04	1.55E-07	6.59E-08	7.80E-04	2.46E-07	1.04E-07
5306 494363.09, 3865877.25	4.99E-04	1.57E-07	6.68E-08	5.38E-04	1.70E-07	7.20E-08	8.51E-04	2.69E-07	1.14E-07
5307 494863.09, 3865877.25	5.54E-04	1.75E-07	7.42E-08	5.98E-04	1.89E-07	8.01E-08	9.46E-04	2.99E-07	1.27E-07
5308 495363.09, 3865877.25	5.84E-04	1.84E-07	7.82E-08	6.30E-04	1.99E-07	8.44E-08	9.99E-04	3.15E-07	1.34E-07
5309 495863.09, 3865877.25	5.91E-04	1.86E-07	7.91E-08	6.38E-04	2.01E-07	8.54E-08	1.01E-03	3.19E-07	1.35E-07
5310 496363.09, 3865877.25	5.72E-04	1.81E-07	7.66E-08	6.17E-04	1.95E-07	8.27E-08	9.79E-04	3.09E-07	1.31E-07
5311 496863.09, 3865877.25	5.35E-04	1.69E-07	7.17E-08	5.78E-04	1.82E-07	7.74E-08	9.16E-04	2.89E-07	1.23E-07
5312 497363.09, 3865877.25	5.13E-04	1.62E-07	6.87E-08	5.54E-04	1.75E-07	7.41E-08	8.77E-04	2.77E-07	1.17E-07
5313 497863.09, 3865877.25	5.06E-04	1.60E-07	6.78E-08	5.46E-04	1.72E-07	7.31E-08	8.65E-04	2.73E-07	1.16E-07
5314 498363.09, 3865877.25	5.00E-04	1.58E-07	6.70E-08	5.40E-04	1.70E-07	7.23E-08	8.55E-04	2.70E-07	1.14E-07
5315 471363.09, 3866377.25	2.86E-04	9.02E-08	3.83E-08	3.08E-04	9.73E-08	4.13E-08	4.85E-04	1.53E-07	6.49E-08
5316 471863.09, 3866377.25	2.91E-04	9.20E-08	3.90E-08	3.14E-04	9.91E-08	4.21E-08	4.94E-04	1.56E-07	6.61E-08
5317 472363.09, 3866377.25	2.97E-04	9.38E-08	3.98E-08	3.20E-04	1.01E-07	4.29E-08	5.03E-04	1.59E-07	6.74E-08
5318 472863.09, 3866377.25	3.03E-04	9.55E-08	4.05E-08	3.26E-04	1.03E-07	4.37E-08	5.12E-04	1.62E-07	6.86E-08
5319 473363.09, 3866377.25	3.11E-04	9.81E-08	4.16E-08	3.35E-04	1.06E-07	4.48E-08	5.26E-04	1.66E-07	7.04E-08
5320 473863.09, 3866377.25	3.19E-04	1.01E-07	4.28E-08	3.44E-04	1.09E-07	4.61E-08	5.40E-04	1.70E-07	7.23E-08
5321 474363.09, 3866377.25	3.29E-04	1.04E-07	4.41E-08	3.55E-04	1.12E-07	4.75E-08	5.57E-04	1.76E-07	7.45E-08
5322 474863.09, 3866377.25	3.41E-04	1.07E-07	4.56E-08	3.67E-04	1.16E-07	4.91E-08	5.76E-04	1.82E-07	7.71E-08
5323 475363.09, 3866377.25	3.52E-04	1.11E-07	4.71E-08	3.79E-04	1.20E-07	5.08E-08	5.95E-04	1.88E-07	7.97E-08
5324 475863.09, 3866377.25	3.65E-04	1.15E-07	4.88E-08	3.93E-04	1.24E-07	5.26E-08	6.17E-04	1.95E-07	8.26E-08
5325 476363.09, 3866377.25	3.83E-04	1.21E-07	5.13E-08	4.13E-04	1.30E-07	5.53E-08	6.49E-04	2.05E-07	8.69E-08
5326 476863.09, 3866377.25	3.84E-04	1.21E-07	5.14E-08	4.14E-04	1.31E-07	5.55E-08	6.52E-04	2.06E-07	8.74E-08
5327 477363.09, 3866377.25	4.09E-04	1.29E-07	5.48E-08	4.41E-04	1.39E-07	5.91E-08	6.94E-04	2.19E-07	9.29E-08
5328 477863.09, 3866377.25	4.22E-04	1.33E-07	5.65E-08	4.55E-04	1.44E-07	6.09E-08	7.14E-04	2.25E-07	9.57E-08
5329 478363.09, 3866377.25	4.30E-04	1.36E-07	5.75E-08	4.63E-04	1.46E-07	6.20E-08	7.27E-04	2.29E-07	9.73E-08
5330 478863.09, 3866377.25	4.40E-04	1.39E-07	5.89E-08	4.74E-04	1.50E-07	6.34E-08	7.43E-04	2.35E-07	9.95E-08
5331 479363.09, 3866377.25	4.51E-04	1.42E-07	6.04E-08	4.86E-04	1.53E-07	6.51E-08	7.62E-04	2.41E-07	1.02E-07
5332 479863.09, 3866377.25	4.64E-04	1.46E-07	6.21E-08	5.00E-04	1.58E-07	6.70E-08	7.85E-04	2.48E-07	1.05E-07
5333 480363.09, 3866377.25	4.76E-04	1.50E-07	6.37E-08	5.13E-04	1.62E-07	6.86E-08	8.04E-04	2.54E-07	1.08E-07
5334 480863.09, 3866377.25	4.83E-04	1.52E-07	6.47E-08	5.21E-04	1.64E-07	6.97E-08	8.17E-04	2.58E-07	1.09E-07
5335 481363.09, 3866377.25	4.90E-04	1.55E-07	6.56E-08	5.28E-04	1.67E-07	7.07E-08	8.28E-04	2.61E-07	1.11E-07
5336 481863.09, 3866377.25	4.94E-04	1.56E-07	6.61E-08	5.32E-04	1.68E-07	7.12E-08	8.34E-04	2.63E-07	1.12E-07
5337 482363.09, 3866377.25	4.97E-04	1.57E-07	6.66E-08	5.36E-04	1.69E-07	7.17E-08	8.39E-04	2.65E-07	1.12E-07
5338 482863.09, 3866377.25	5.00E-04	1.58E-07	6.70E-08	5.39E-04	1.70E-07	7.22E-08	8.43E-04	2.66E-07	1.13E-07
5339 483363.09, 3866377.25	5.00E-04	1.58E-07	6.69E-08	5.38E-04	1.70E-07	7.21E-08	8.41E-04	2.65E-07	1.13E-07
5340 483863.09, 3866377.25	4.97E-04	1.57E-07	6.65E-08	5.35E-04	1.69E-07	7.16E-08	8.34E-04	2.63E-07	1.12E-07
5341 484363.09, 3866377.25	4.91E-04	1.55E-07	6.58E-08	5.29E-04	1.67E-07	7.08E-08	8.24E-04	2.60E-07	1.10E-07
5342 484863.09, 3866377.25	4.87E-04	1.54E-07	6.52E-08	5.24E-04	1.66E-07	7.02E-08	8.16E-04	2.58E-07	1.09E-07
5343 485363.09, 3866377.25	4.81E-04	1.52E-07	6.45E-08	5.18E-04	1.64E-07	6.94E-08	8.06E-04	2.54E-07	1.08E-07
5344 485863.09, 3866377.25	4.77E-04	1.50E-07	6.38E-08	5.13E-04	1.62E-07	6.87E-08	7.98E-04	2.52E-07	1.07E-07
5345 486363.09, 3866377.25	4.74E-04	1.50E-07	6.35E-08	5.10E-04	1.61E-07	6.84E-08	7.94E-04	2.51E-07	1.06E-07
5346 486863.09, 3866377.25	4.74E-04	1.50E-07	6.34E-08	5.10E-04	1.61E-07	6.83E-08	7.93E-04	2.50E-07	1.06E-07
5347 487363.09, 3866377.25	4.81E-04	1.52E-07	6.44E-08	5.18E-04	1.63E-07	6.93E-08	8.06E-04	2.54E-07	1.08E-07
5348 487863.09, 3866377.25	4.85E-04	1.53E-07	6.50E-08	5.22E-04	1.65E-07	6.99E-08	8.13E-04	2.57E-07	1.09E-07
5349 488363.09, 3866377.25	4.85E-04	1.53E-07	6.50E-08	5.22E-04	1.65E-07	6.99E-08	8.14E-04	2.57E-07	1.09E-07
5350 488863.09, 3866377.25	4.87E-04	1.54E-07	6.53E-08	5.25E-04	1.66E-07	7.03E-08	8.21E-04	2.59E-07	1.10E-07
5351 489363.09, 3866377.25	4.86E-04	1.53E-07	6.51E-08	5.24E-04	1.65E-07	7.02E-08	8.21E-04	2.59E-07	1.10E-07
5352 489863.09, 3866377.25	4.75E-04	1.50E-07	6.36E-08	5.12E-04	1.62E-07	6.86E-08	8.04E-04	2.54E-07	1.08E-07
5353 490363.09, 3866377.25	4.85E-04	1.53E-07	6.49E-08	5.22E-04	1.65E-07	6.99E-08	8.19E-04	2.59E-07	1.10E-07
5354 490863.09, 3866377.25	4.86E-04	1.53E-07	6.51E-08	5.24E-04	1.65E-07	7.01E-08	8.22E-04	2.60E-07	1.10E-07
5355 491363.09, 3866377.25	4.93E-04	1.55E-07	6.60E-08	5.31E-04	1.68E-07	7.11E-08	8.36E-04	2.64E-07	1.12E-07
5356 491863.09, 3866377.25	4.67E-04	1.47E-07	6.25E-08	5.03E-04	1.59E-07	6.74E-08	7.95E-04	2.51E-07	1.06E-07
5357 492363.09, 3866377.25	4.70E-04	1.48E-07	6.30E-08	5.07E-04	1.60E-07	6.79E-08	8.02E-04	2.53E-07	1.07E-07
5358 492863.09, 3866377.25	4.36E-04	1.38E-07	5.84E-08	4.70E-04	1.48E-07	6.30E-08	7.45E-04	2.35E-07	9.97E-08
5359 493363.09, 3866377.25	4.58E-04	1.44E-07	6.13E-08	4.94E-04	1.56E-07	6.61E-08	7.81E-04	2.47E-07	1.05E-07
5360 493863.09, 3866377.25	4.79E-04	1.51E-07	6.41E-08	5.17E-04	1.63E-07	6.92E-08	8.18E-04	2.58E-07	1.09E-07
5361 494363.09, 3866377.25	4.88E-04	1.54E-07	6.53E-08	5.26E-04	1.66E-07	7.04E-08	8.31E-04	2.62E-07	1.11E-07
5362 494863.09, 3866377.25	4.78E-04	1.51E-07	6.41E-08	5.16E-04	1.63E-07	6.91E-08	8.16E-04	2.57E-07	1.09E-07
5363 495363.09, 3866377.25	4.96E-04	1.57E-07	6.65E-08	5.35E-04	1.69E-07	7.17E-08	8.47E-04	2.67E-07	1.13E-07
5364 495863.09, 3866377.25	5.23E-04	1.65E-07	7.00E-08	5.64E-04	1.78E-07	7.55E-08	8.94E-04	2.82E-07	1.20E-07

5365 496363.09, 3866377.25	5.28E-04	1.67E-07	7.07E-08	5.70E-04	1.80E-07	7.63E-08	9.04E-04	2.85E-07	1.21E-07
5366 496863.09, 3866377.25	5.08E-04	1.60E-07	6.80E-08	5.48E-04	1.73E-07	7.34E-08	8.70E-04	2.74E-07	1.16E-07
5367 497363.09, 3866377.25	4.84E-04	1.53E-07	6.48E-08	5.22E-04	1.65E-07	7.00E-08	8.29E-04	2.62E-07	1.11E-07
5368 497863.09, 3866377.25	4.62E-04	1.46E-07	6.19E-08	4.99E-04	1.57E-07	6.68E-08	7.91E-04	2.50E-07	1.06E-07
5369 498363.09, 3866377.25	4.17E-04	1.32E-07	5.59E-08	4.50E-04	1.42E-07	6.03E-08	7.14E-04	2.25E-07	9.56E-08
5370 474494.92, 3848334.16	2.85E-04	8.99E-08	3.82E-08	3.07E-04	9.70E-08	4.11E-08	4.85E-04	1.53E-07	6.49E-08
5371 475167.27, 3848920.79	3.25E-04	1.03E-07	4.36E-08	3.51E-04	1.11E-07	4.70E-08	5.54E-04	1.75E-07	7.41E-08
5372 475297.89, 3848997.96	3.31E-04	1.04E-07	4.43E-08	3.57E-04	1.13E-07	4.78E-08	5.63E-04	1.78E-07	7.54E-08
5373 475439.05, 3849062	3.27E-04	1.03E-07	4.38E-08	3.53E-04	1.11E-07	4.73E-08	5.57E-04	1.76E-07	7.46E-08
5374 475486.86, 3849061.09	3.24E-04	1.02E-07	4.34E-08	3.49E-04	1.10E-07	4.68E-08	5.52E-04	1.74E-07	7.39E-08
5375 475538.46, 3849075.56	3.26E-04	1.03E-07	4.37E-08	3.52E-04	1.11E-07	4.71E-08	5.55E-04	1.75E-07	7.43E-08
5376 475751.79, 3849137.15	3.41E-04	1.08E-07	4.56E-08	3.67E-04	1.16E-07	4.92E-08	5.79E-04	1.83E-07	7.76E-08
5377 476303.62, 3849223.38	3.47E-04	1.10E-07	4.65E-08	3.74E-04	1.18E-07	5.01E-08	5.89E-04	1.86E-07	7.89E-08
5378 476304.51, 3849238.92	3.50E-04	1.10E-07	4.68E-08	3.77E-04	1.19E-07	5.05E-08	5.94E-04	1.87E-07	7.95E-08
5379 476365.04, 3849247.98	3.50E-04	1.10E-07	4.68E-08	3.77E-04	1.19E-07	5.05E-08	5.93E-04	1.87E-07	7.94E-08
5380 476444.86, 3849267.13	3.48E-04	1.10E-07	4.66E-08	3.75E-04	1.18E-07	5.02E-08	5.90E-04	1.86E-07	7.91E-08
5381 476550.75, 3849300.66	3.52E-04	1.11E-07	4.71E-08	3.79E-04	1.20E-07	5.08E-08	5.97E-04	1.88E-07	7.99E-08
5382 476656.71, 3849346.88	3.55E-04	1.12E-07	4.76E-08	3.83E-04	1.21E-07	5.13E-08	6.03E-04	1.90E-07	8.07E-08
5383 476873.55, 3849454.53	3.67E-04	1.16E-07	4.91E-08	3.96E-04	1.25E-07	5.30E-08	6.22E-04	1.96E-07	8.33E-08
5384 477700, 3849859.7	4.29E-04	1.35E-07	5.75E-08	4.62E-04	1.46E-07	6.19E-08	7.25E-04	2.29E-07	9.70E-08
5385 477743.16, 3849856.38	4.28E-04	1.35E-07	5.74E-08	4.62E-04	1.46E-07	6.18E-08	7.24E-04	2.29E-07	9.70E-08
5386 478477.35, 3850216.33	5.34E-04	1.69E-07	7.15E-08	5.76E-04	1.82E-07	7.71E-08	9.05E-04	2.86E-07	1.21E-07
5387 478485.8, 3850201.6	5.39E-04	1.70E-07	7.22E-08	5.81E-04	1.83E-07	7.78E-08	9.15E-04	2.89E-07	1.22E-07
5388 479113.21, 3850501.53	7.29E-04	2.30E-07	9.76E-08	7.86E-04	2.48E-07	1.05E-07	1.24E-03	3.91E-07	1.66E-07
5389 479108.11, 3850382.28	7.40E-04	2.34E-07	9.91E-08	7.98E-04	2.52E-07	1.07E-07	1.26E-03	3.98E-07	1.69E-07
5390 479689.85, 3850674.28	8.63E-04	2.72E-07	1.16E-07	9.31E-04	2.94E-07	1.25E-07	1.47E-03	4.65E-07	1.97E-07
5391 479952.42, 3850774.28	8.98E-04	2.83E-07	1.20E-07	9.69E-04	3.06E-07	1.30E-07	1.53E-03	4.84E-07	2.05E-07
5392 479911.32, 3850884.85	9.32E-04	2.94E-07	1.25E-07	1.01E-03	3.17E-07	1.35E-07	1.59E-03	5.02E-07	2.13E-07
5393 480500.92, 3851178.12	1.04E-03	3.27E-07	1.39E-07	1.12E-03	3.53E-07	1.50E-07	1.76E-03	5.56E-07	2.36E-07
5394 480738.01, 3851289.27	1.06E-03	3.35E-07	1.42E-07	1.15E-03	3.62E-07	1.53E-07	1.80E-03	5.69E-07	2.41E-07
5395 481055.42, 3851443.58	1.10E-03	3.47E-07	1.47E-07	1.18E-03	3.74E-07	1.59E-07	1.86E-03	5.86E-07	2.49E-07
5396 481110.22, 3851443.15	1.09E-03	3.43E-07	1.46E-07	1.17E-03	3.70E-07	1.57E-07	1.84E-03	5.80E-07	2.46E-07
5397 481111.1, 3851417.45	1.07E-03	3.38E-07	1.43E-07	1.15E-03	3.64E-07	1.55E-07	1.81E-03	5.72E-07	2.43E-07
5398 482248.44, 3852605.09	1.85E-03	5.85E-07	2.48E-07	1.99E-03	6.29E-07	2.67E-07	3.11E-03	9.81E-07	4.16E-07
5399 482273.34, 3852632.31	1.88E-03	5.93E-07	2.52E-07	2.02E-03	6.39E-07	2.71E-07	3.15E-03	9.96E-07	4.22E-07
5400 482665.46, 3853038.72	2.51E-03	7.91E-07	3.36E-07	2.70E-03	8.51E-07	3.61E-07	4.18E-03	1.32E-06	5.60E-07
5401 483077.95, 3853844.31	1.72E-02	5.44E-06	2.31E-06	1.86E-02	5.87E-06	2.49E-06	2.93E-02	9.26E-06	3.93E-06
5402 483121.38, 3853909.38	1.88E-02	5.94E-06	2.52E-06	2.04E-02	6.44E-06	2.73E-06	3.32E-02	1.05E-05	4.44E-06
5403 483492.64, 3853911.49	1.11E-02	3.50E-06	1.49E-06	1.20E-02	3.79E-06	1.61E-06	1.95E-02	6.17E-06	2.62E-06
5404 483498.29, 3854204.73	2.03E-02	6.41E-06	2.72E-06	2.21E-02	6.99E-06	2.96E-06	3.76E-02	1.19E-05	5.03E-06
5405 484132.44, 3854662.55	1.96E-02	6.20E-06	2.63E-06	2.12E-02	6.69E-06	2.84E-06	3.36E-02	1.06E-05	4.50E-06
5406 484627.62, 3854876.13	2.32E-02	7.33E-06	3.11E-06	2.50E-02	7.88E-06	3.35E-06	3.89E-02	1.23E-05	5.21E-06
5407 484756.14, 3854949.04	2.49E-02	7.85E-06	3.33E-06	2.68E-02	8.45E-06	3.59E-06	4.17E-02	1.31E-05	5.58E-06
5408 486697.51, 3856599.17	3.94E-02	1.24E-05	5.28E-06	4.26E-02	1.34E-05	5.71E-06	6.82E-02	2.15E-05	9.13E-06
5409 487105.31, 3856962.27	4.64E-02	1.46E-05	6.21E-06	5.01E-02	1.58E-05	6.71E-06	8.03E-02	2.54E-05	1.08E-05
5410 487157.57, 3856901.7	4.22E-02	1.33E-05	5.65E-06	4.56E-02	1.44E-05	6.11E-06	7.31E-02	2.31E-05	9.79E-06
5411 487173.5, 3856853.74	4.00E-02	1.26E-05	5.36E-06	4.32E-02	1.36E-05	5.79E-06	6.92E-02	2.18E-05	9.27E-06
5412 487564.41, 3856860.83	3.29E-02	1.04E-05	4.41E-06	3.56E-02	1.12E-05	4.76E-06	5.69E-02	1.80E-05	7.62E-06
5413 487563.31, 3856931.58	3.47E-02	1.10E-05	4.65E-06	3.75E-02	1.18E-05	5.02E-06	6.01E-02	1.90E-05	8.05E-06
5414 487782.7, 3856926.85	3.12E-02	9.86E-06	4.18E-06	3.37E-02	1.07E-05	4.52E-06	5.40E-02	1.70E-05	7.23E-06
5415 487782.39, 3856757.07	2.80E-02	8.84E-06	3.75E-06	3.03E-02	9.55E-06	4.05E-06	4.84E-02	1.53E-05	6.48E-06
5416 487917.26, 3856752.41	2.66E-02	8.40E-06	3.56E-06	2.88E-02	9.07E-06	3.85E-06	4.60E-02	1.45E-05	6.15E-06
5417 487919.57, 3856953.35	2.99E-02	9.44E-06	4.01E-06	3.23E-02	1.02E-05	4.33E-06	5.18E-02	1.63E-05	6.93E-06
5418 487932.76, 3857000.32	3.05E-02	9.63E-06	4.09E-06	3.30E-02	1.04E-05	4.42E-06	5.28E-02	1.67E-05	7.08E-06
5419 487960.5, 3857044.75	3.09E-02	9.76E-06	4.14E-06	3.34E-02	1.05E-05	4.47E-06	5.35E-02	1.69E-05	7.17E-06
5420 488016.54, 3857089.54	3.09E-02	9.75E-06	4.14E-06	3.34E-02	1.05E-05	4.47E-06	5.35E-02	1.69E-05	7.16E-06
5421 488114.39, 3857165.47	3.09E-02	9.75E-06	4.14E-06	3.34E-02	1.05E-05	4.47E-06	5.36E-02	1.69E-05	7.18E-06
5422 488171.49, 3857234.24	3.11E-02	9.83E-06	4.17E-06	3.37E-02	1.06E-05	4.51E-06	5.41E-02	1.71E-05	7.24E-06
5423 488193.16, 3857297.8	3.18E-02	1.00E-05	4.26E-06	3.44E-02	1.09E-05	4.61E-06	5.53E-02	1.75E-05	7.41E-06
5424 488189.27, 3857649.94	3.78E-02	1.19E-05	5.06E-06	4.09E-02	1.29E-05	5.48E-06	6.59E-02	2.08E-05	8.83E-06
5425 488127.43, 3857732.32	4.13E-02	1.30E-05	5.53E-06	4.47E-02	1.41E-05	5.99E-06	7.23E-02	2.28E-05	9.68E-06

5426 488149.93, 3857752.94	4.10E-02	1.30E-05	5.50E-06	4.44E-02	1.40E-05	5.95E-06	7.18E-02	2.27E-05	9.62E-06
5427 488144.76, 3857758.71	4.13E-02	1.31E-05	5.54E-06	4.48E-02	1.41E-05	5.99E-06	7.24E-02	2.28E-05	9.69E-06
5428 488335.58, 3857932.55	3.79E-02	1.20E-05	5.08E-06	4.11E-02	1.30E-05	5.50E-06	6.63E-02	2.09E-05	8.88E-06
5429 488372.29, 3857943.79	3.69E-02	1.17E-05	4.95E-06	4.00E-02	1.26E-05	5.35E-06	6.46E-02	2.04E-05	8.65E-06
5430 488828.64, 3857936.4	2.69E-02	8.50E-06	3.61E-06	2.91E-02	9.19E-06	3.90E-06	4.69E-02	1.48E-05	6.27E-06
5431 488829.08, 3857959.58	2.70E-02	8.51E-06	3.61E-06	2.92E-02	9.21E-06	3.91E-06	4.69E-02	1.48E-05	6.29E-06
5432 488351.61, 3857964.55	3.78E-02	1.19E-05	5.07E-06	4.09E-02	1.29E-05	5.48E-06	6.62E-02	2.09E-05	8.86E-06
5433 488316.87, 3857947.65	3.87E-02	1.22E-05	5.19E-06	4.19E-02	1.32E-05	5.62E-06	6.78E-02	2.14E-05	9.08E-06
5434 488129.1, 3857775.77	4.23E-02	1.33E-05	5.66E-06	4.58E-02	1.44E-05	6.13E-06	7.41E-02	2.34E-05	9.92E-06
5435 488062.53, 3857846.13	4.67E-02	1.47E-05	6.26E-06	5.06E-02	1.60E-05	6.77E-06	8.22E-02	2.59E-05	1.10E-05
5436 488330.41, 3858091.34	4.07E-02	1.28E-05	5.45E-06	4.41E-02	1.39E-05	5.90E-06	7.15E-02	2.26E-05	9.57E-06
5437 488470.87, 3858174.45	3.62E-02	1.14E-05	4.84E-06	3.91E-02	1.24E-05	5.24E-06	6.32E-02	2.00E-05	8.47E-06
5438 488568.9, 3858262.31	3.20E-02	1.01E-05	4.29E-06	3.46E-02	1.09E-05	4.64E-06	5.56E-02	1.75E-05	7.44E-06
5439 488964.27, 3858025.71	2.48E-02	7.83E-06	3.32E-06	2.68E-02	8.47E-06	3.59E-06	4.32E-02	1.36E-05	5.78E-06
5440 489147.25, 3857956.64	2.26E-02	7.12E-06	3.02E-06	2.44E-02	7.70E-06	3.27E-06	3.93E-02	1.24E-05	5.26E-06
5441 489343.52, 3857932.45	2.05E-02	6.47E-06	2.75E-06	2.22E-02	7.00E-06	2.97E-06	3.57E-02	1.13E-05	4.78E-06
5442 489866.19, 3857923.19	1.62E-02	5.12E-06	2.17E-06	1.75E-02	5.54E-06	2.35E-06	2.82E-02	8.89E-06	3.77E-06
5443 489955.65, 3857902.27	1.57E-02	4.95E-06	2.10E-06	1.70E-02	5.35E-06	2.27E-06	2.72E-02	8.60E-06	3.65E-06
5444 490079.44, 3857847.9	1.51E-02	4.76E-06	2.02E-06	1.63E-02	5.15E-06	2.19E-06	2.62E-02	8.27E-06	3.51E-06
5445 490108.49, 3857934.13	1.47E-02	4.64E-06	1.97E-06	1.59E-02	5.01E-06	2.13E-06	2.55E-02	8.04E-06	3.41E-06
5446 489884.48, 3858014.17	1.58E-02	4.98E-06	2.11E-06	1.71E-02	5.39E-06	2.29E-06	2.74E-02	8.65E-06	3.67E-06
5447 489326.56, 3858025.86	2.04E-02	6.43E-06	2.73E-06	2.20E-02	6.95E-06	2.95E-06	3.54E-02	1.12E-05	4.74E-06
5448 489130.38, 3858056.71	2.25E-02	7.10E-06	3.01E-06	2.43E-02	7.68E-06	3.26E-06	3.92E-02	1.24E-05	5.24E-06
5449 488936.49, 3858143.93	2.48E-02	7.82E-06	3.32E-06	2.68E-02	8.45E-06	3.59E-06	4.30E-02	1.36E-05	5.76E-06
5450 488638.08, 3858327.45	2.88E-02	9.08E-06	3.85E-06	3.11E-02	9.80E-06	4.16E-06	4.96E-02	1.57E-05	6.65E-06
5451 488663.79, 3858349.57	2.76E-02	8.70E-06	3.69E-06	2.98E-02	9.40E-06	3.99E-06	4.74E-02	1.50E-05	6.35E-06
5452 488694.56, 3858349.5	2.68E-02	8.46E-06	3.59E-06	2.90E-02	9.14E-06	3.88E-06	4.61E-02	1.46E-05	6.18E-06
5453 488694.35, 3858336.75	2.71E-02	8.56E-06	3.63E-06	2.93E-02	9.24E-06	3.92E-06	4.67E-02	1.47E-05	6.25E-06
5454 488712.81, 3858336.38	2.67E-02	8.42E-06	3.57E-06	2.88E-02	9.09E-06	3.86E-06	4.60E-02	1.45E-05	6.15E-06
5455 488713.23, 3858367.46	2.59E-02	8.19E-06	3.47E-06	2.80E-02	8.84E-06	3.75E-06	4.45E-02	1.40E-05	5.96E-06
5456 488704.63, 3858384.05	2.57E-02	8.11E-06	3.44E-06	2.77E-02	8.76E-06	3.71E-06	4.40E-02	1.39E-05	5.89E-06
5457 488604.15, 3858488.29	2.48E-02	7.83E-06	3.32E-06	2.67E-02	8.42E-06	3.57E-06	4.10E-02	1.29E-05	5.49E-06
5458 488605.66, 3858550.47	2.31E-02	7.30E-06	3.10E-06	2.47E-02	7.81E-06	3.31E-06	3.68E-02	1.16E-05	4.93E-06
5459 488692.68, 3858548.71	2.16E-02	6.81E-06	2.89E-06	2.31E-02	7.30E-06	3.10E-06	3.48E-02	1.10E-05	4.66E-06
5460 488759.93, 3858461.81	2.26E-02	7.14E-06	3.03E-06	2.43E-02	7.68E-06	3.26E-06	3.79E-02	1.20E-05	5.08E-06
5461 488816.57, 3858541.79	2.00E-02	6.30E-06	2.67E-06	2.14E-02	6.76E-06	2.87E-06	3.27E-02	1.03E-05	4.37E-06
5462 488944.63, 3858656.77	1.69E-02	5.33E-06	2.26E-06	1.80E-02	5.69E-06	2.42E-06	2.66E-02	8.40E-06	3.56E-06
5463 489134.91, 3858830.7	1.33E-02	4.19E-06	1.78E-06	1.41E-02	4.46E-06	1.89E-06	2.03E-02	6.42E-06	2.72E-06
5464 489193.99, 3858886.05	1.17E-02	3.69E-06	1.56E-06	1.25E-02	3.94E-06	1.67E-06	1.82E-02	5.74E-06	2.44E-06
5465 489295.2, 3858954.34	9.89E-03	3.12E-06	1.32E-06	1.06E-02	3.34E-06	1.42E-06	1.58E-02	4.99E-06	2.12E-06
5466 489295.64, 3858992.74	9.25E-03	2.92E-06	1.24E-06	9.91E-03	3.13E-06	1.33E-06	1.49E-02	4.69E-06	1.99E-06
5467 489183.74, 3858911.72	1.12E-02	3.55E-06	1.50E-06	1.20E-02	3.78E-06	1.61E-06	1.75E-02	5.52E-06	2.34E-06
5468 488873.37, 3858625.59	1.80E-02	5.67E-06	2.41E-06	1.92E-02	6.07E-06	2.57E-06	2.85E-02	8.99E-06	3.82E-06
5469 488842.84, 3858658.69	1.80E-02	5.69E-06	2.41E-06	1.92E-02	6.07E-06	2.57E-06	2.79E-02	8.80E-06	3.74E-06
5470 488856.39, 3858670.93	1.78E-02	5.61E-06	2.38E-06	1.90E-02	5.98E-06	2.54E-06	2.74E-02	8.65E-06	3.67E-06
5471 488805.7, 3858724.5	1.88E-02	5.92E-06	2.51E-06	1.99E-02	6.28E-06	2.66E-06	2.74E-02	8.64E-06	3.66E-06
5472 488805.87, 3858804.16	2.16E-02	6.83E-06	2.90E-06	2.27E-02	7.17E-06	3.04E-06	2.88E-02	9.09E-06	3.86E-06
5473 488995.78, 3858936.96	1.21E-02	3.82E-06	1.62E-06	1.29E-02	4.06E-06	1.72E-06	1.80E-02	5.69E-06	2.41E-06
5474 489130.76, 3859017.38	9.09E-03	2.87E-06	1.22E-06	9.72E-03	3.07E-06	1.30E-06	1.44E-02	4.56E-06	1.93E-06
5475 489130.92, 3859052.24	8.41E-03	2.65E-06	1.13E-06	9.01E-03	2.84E-06	1.21E-06	1.35E-02	4.27E-06	1.81E-06
5476 489200.33, 3859090.6	7.80E-03	2.46E-06	1.04E-06	8.36E-03	2.64E-06	1.12E-06	1.27E-02	4.00E-06	1.70E-06
5477 489296.07, 3859143.7	7.14E-03	2.25E-06	9.56E-07	7.66E-03	2.42E-06	1.03E-06	1.17E-02	3.70E-06	1.57E-06
5478 489296.43, 3858954.74	9.88E-03	3.12E-06	1.32E-06	1.06E-02	3.34E-06	1.42E-06	1.58E-02	4.98E-06	2.11E-06
5479 489410.33, 3859033.19	8.48E-03	2.68E-06	1.14E-06	9.09E-03	2.87E-06	1.22E-06	1.38E-02	4.36E-06	1.85E-06
5480 489371.37, 3859089.8	7.79E-03	2.46E-06	1.04E-06	8.36E-03	2.64E-06	1.12E-06	1.27E-02	4.02E-06	1.71E-06
5481 489390.52, 3859102.82	7.62E-03	2.41E-06	1.02E-06	8.19E-03	2.58E-06	1.10E-06	1.25E-02	3.95E-06	1.67E-06
5482 489382.3, 3859114.53	7.49E-03	2.36E-06	1.00E-06	8.04E-03	2.54E-06	1.08E-06	1.23E-02	3.88E-06	1.65E-06
5483 489363.04, 3859102.45	7.64E-03	2.41E-06	1.02E-06	8.20E-03	2.59E-06	1.10E-06	1.25E-02	3.95E-06	1.68E-06
5484 489337.52, 3859140.71	7.18E-03	2.27E-06	9.62E-07	7.72E-03	2.44E-06	1.03E-06	1.18E-02	3.73E-06	1.58E-06
5485 489375.14, 3859164.55	6.93E-03	2.19E-06	9.29E-07	7.45E-03	2.35E-06	9.98E-07	1.14E-02	3.61E-06	1.53E-06
5486 489409.3, 3859114.5	7.49E-03	2.36E-06	1.00E-06	8.04E-03	2.54E-06	1.08E-06	1.23E-02	3.88E-06	1.65E-06

5487	489434.87, 3859131.81	7.29E-03	2.30E-06	9.76E-07	7.83E-03	2.47E-06	1.05E-06	1.20E-02	3.79E-06	1.61E-06
5488	489471.87, 3859075.75	7.90E-03	2.49E-06	1.06E-06	8.48E-03	2.68E-06	1.14E-06	1.30E-02	4.09E-06	1.74E-06
5489	489602.62, 3859164.69	6.94E-03	2.19E-06	9.30E-07	7.47E-03	2.36E-06	1.00E-06	1.15E-02	3.64E-06	1.54E-06
5490	489558.29, 3859232.45	6.36E-03	2.01E-06	8.51E-07	6.84E-03	2.16E-06	9.15E-07	1.06E-02	3.34E-06	1.42E-06
5491	489620.11, 3859273.56	6.04E-03	1.91E-06	8.09E-07	6.50E-03	2.05E-06	8.70E-07	1.01E-02	3.18E-06	1.35E-06
5492	489666.06, 3859206.42	6.58E-03	2.08E-06	8.81E-07	7.07E-03	2.23E-06	9.47E-07	1.10E-02	3.46E-06	1.47E-06
5493	489787.9, 3859285.65	5.98E-03	1.89E-06	8.01E-07	6.44E-03	2.03E-06	8.63E-07	1.00E-02	3.16E-06	1.34E-06
5494	489752.17, 3859343.13	5.59E-03	1.76E-06	7.49E-07	6.02E-03	1.90E-06	8.06E-07	9.37E-03	2.96E-06	1.26E-06
5495	489814.94, 3859385.33	5.35E-03	1.69E-06	7.16E-07	5.76E-03	1.82E-06	7.71E-07	8.98E-03	2.83E-06	1.20E-06
5496	489853.42, 3859330.74	5.69E-03	1.80E-06	7.63E-07	6.13E-03	1.93E-06	8.21E-07	9.56E-03	3.02E-06	1.28E-06
5497	489969.5, 3859401.91	5.29E-03	1.67E-06	7.08E-07	5.70E-03	1.80E-06	7.63E-07	8.90E-03	2.81E-06	1.19E-06
5498	490166.91, 3859486.96	4.88E-03	1.54E-06	6.53E-07	5.25E-03	1.66E-06	7.04E-07	8.23E-03	2.60E-06	1.10E-06
5499	490128.86, 3859571.46	4.47E-03	1.41E-06	5.99E-07	4.82E-03	1.52E-06	6.45E-07	7.55E-03	2.38E-06	1.01E-06
5500	490186.65, 3859593.65	4.39E-03	1.39E-06	5.88E-07	4.74E-03	1.49E-06	6.34E-07	7.43E-03	2.34E-06	9.95E-07
5501	490223.74, 3859517.48	4.74E-03	1.50E-06	6.35E-07	5.11E-03	1.61E-06	6.85E-07	8.02E-03	2.53E-06	1.07E-06
5502	490846.34, 3859817.22	3.79E-03	1.20E-06	5.07E-07	4.08E-03	1.29E-06	5.47E-07	6.44E-03	2.03E-06	8.63E-07
5503	490925.65, 3859844.59	3.72E-03	1.17E-06	4.98E-07	4.01E-03	1.27E-06	5.38E-07	6.34E-03	2.00E-06	8.49E-07
5504	491159.29, 3859896.28	3.59E-03	1.13E-06	4.81E-07	3.87E-03	1.22E-06	5.19E-07	6.12E-03	1.93E-06	8.20E-07
5505	491370.69, 3859960.89	3.42E-03	1.08E-06	4.58E-07	3.69E-03	1.16E-06	4.94E-07	5.83E-03	1.84E-06	7.81E-07
5506	491330.28, 3860063.17	3.16E-03	9.98E-07	4.23E-07	3.41E-03	1.08E-06	4.57E-07	5.39E-03	1.70E-06	7.21E-07
5507	491636.45, 3860180.75	2.96E-03	9.34E-07	3.96E-07	3.19E-03	1.01E-06	4.28E-07	5.05E-03	1.59E-06	6.76E-07
5508	491617.94, 3860203.93	2.91E-03	9.18E-07	3.90E-07	3.14E-03	9.91E-07	4.20E-07	4.96E-03	1.57E-06	6.65E-07
5509	491805.68, 3860271.59	2.80E-03	8.85E-07	3.75E-07	3.03E-03	9.55E-07	4.05E-07	4.79E-03	1.51E-06	6.41E-07
5510	491654.23, 3860414.02	2.53E-03	7.99E-07	3.39E-07	2.73E-03	8.62E-07	3.66E-07	4.32E-03	1.36E-06	5.78E-07
5511	491592.62, 3860510.76	2.34E-03	7.40E-07	3.14E-07	2.53E-03	7.98E-07	3.39E-07	4.00E-03	1.26E-06	5.35E-07
5512	491475.41, 3860368.93	2.55E-03	8.03E-07	3.41E-07	2.75E-03	8.67E-07	3.68E-07	4.34E-03	1.37E-06	5.81E-07
5513	491445.61, 3860337.28	2.59E-03	8.19E-07	3.47E-07	2.80E-03	8.83E-07	3.75E-07	4.42E-03	1.40E-06	5.92E-07
5514	491399.05, 3860300.37	2.66E-03	8.39E-07	3.56E-07	2.87E-03	9.05E-07	3.84E-07	4.53E-03	1.43E-06	6.06E-07
5515	491228.84, 3860235.98	2.74E-03	8.66E-07	3.68E-07	2.96E-03	9.34E-07	3.96E-07	4.67E-03	1.47E-06	6.26E-07
5516	491228.47, 3860174.57	2.88E-03	9.09E-07	3.85E-07	3.10E-03	9.80E-07	4.16E-07	4.90E-03	1.55E-06	6.56E-07
5517	491145.77, 3860112.55	3.01E-03	9.50E-07	4.03E-07	3.25E-03	1.02E-06	4.35E-07	5.12E-03	1.62E-06	6.86E-07
5518	490844.41, 3859966.22	3.34E-03	1.05E-06	4.47E-07	3.60E-03	1.14E-06	4.82E-07	5.68E-03	1.79E-06	7.60E-07
5519	490845.55, 3859928.15	3.45E-03	1.09E-06	4.61E-07	3.72E-03	1.17E-06	4.98E-07	5.86E-03	1.85E-06	7.85E-07
5520	490046.91, 3859625.6	4.21E-03	1.33E-06	5.64E-07	4.54E-03	1.43E-06	6.08E-07	7.12E-03	2.25E-06	9.54E-07
5521	489970.48, 3859589.4	4.34E-03	1.37E-06	5.82E-07	4.68E-03	1.48E-06	6.27E-07	7.34E-03	2.32E-06	9.83E-07
5522	489865.89, 3859529.06	4.59E-03	1.45E-06	6.14E-07	4.94E-03	1.56E-06	6.62E-07	7.74E-03	2.44E-06	1.04E-06
5523	489826.89, 3859531.74	4.56E-03	1.44E-06	6.11E-07	4.92E-03	1.55E-06	6.58E-07	7.70E-03	2.43E-06	1.03E-06
5524	489410.47, 3859303.06	5.72E-03	1.81E-06	7.67E-07	6.16E-03	1.94E-06	8.25E-07	9.57E-03	3.02E-06	1.28E-06
5525	489407.15, 3859286.09	5.85E-03	1.85E-06	7.83E-07	6.29E-03	1.99E-06	8.43E-07	9.76E-03	3.08E-06	1.31E-06
5526	488806.07, 3858963.62	1.07E-02	3.37E-06	1.43E-06	1.14E-02	3.59E-06	1.52E-06	1.63E-02	5.14E-06	2.18E-06
5527	488817.64, 3859546.3	4.72E-03	1.49E-06	6.32E-07	5.08E-03	1.60E-06	6.80E-07	7.94E-03	2.50E-06	1.06E-06
5528	489187.25, 3859549.52	4.64E-03	1.46E-06	6.21E-07	5.00E-03	1.58E-06	6.69E-07	7.82E-03	2.47E-06	1.05E-06
5529	489187.66, 3859523.74	4.73E-03	1.49E-06	6.34E-07	5.10E-03	1.61E-06	6.83E-07	7.97E-03	2.52E-06	1.07E-06
5530	489232.59, 3859522.85	4.72E-03	1.49E-06	6.32E-07	5.08E-03	1.60E-06	6.81E-07	7.95E-03	2.51E-06	1.06E-06
5531	489224.98, 3859759.91	3.99E-03	1.26E-06	5.34E-07	4.30E-03	1.36E-06	5.75E-07	6.75E-03	2.13E-06	9.03E-07
5532	488401.39, 3859763.34	3.82E-03	1.21E-06	5.11E-07	4.11E-03	1.30E-06	5.51E-07	6.42E-03	2.03E-06	8.59E-07
5533	488405.51, 3859966.16	3.31E-03	1.04E-06	4.43E-07	3.56E-03	1.12E-06	4.77E-07	5.57E-03	1.76E-06	7.46E-07
5534	489202.85, 3859956.57	3.50E-03	1.11E-06	4.69E-07	3.78E-03	1.19E-06	5.06E-07	5.94E-03	1.87E-06	7.95E-07
5535	489191.9, 3860676.74	2.27E-03	7.17E-07	3.04E-07	2.45E-03	7.72E-07	3.28E-07	3.85E-03	1.21E-06	5.16E-07
5536	488392.82, 3860687.88	2.20E-03	6.94E-07	2.94E-07	2.37E-03	7.48E-07	3.17E-07	3.71E-03	1.17E-06	4.97E-07
5537	488392.82, 3860760.27	2.13E-03	6.74E-07	2.86E-07	2.30E-03	7.26E-07	3.08E-07	3.61E-03	1.14E-06	4.83E-07
5538	487549.05, 3860777.45	2.04E-03	6.43E-07	2.73E-07	2.20E-03	6.93E-07	2.94E-07	3.43E-03	1.08E-06	4.59E-07
5539	487554.62, 3859571.83	4.17E-03	1.32E-06	5.59E-07	4.49E-03	1.42E-06	6.01E-07	6.99E-03	2.21E-06	9.37E-07
5540	485949.46, 3859558.54	3.67E-03	1.16E-06	4.92E-07	3.96E-03	1.25E-06	5.30E-07	6.19E-03	1.95E-06	8.29E-07
5541	485947.55, 3857943.61	1.35E-02	4.26E-06	1.81E-06	1.45E-02	4.59E-06	1.95E-06	2.27E-02	7.16E-06	3.04E-06
5542	484738.38, 3857940.21	7.46E-03	2.36E-06	9.99E-07	8.04E-03	2.54E-06	1.08E-06	1.26E-02	3.97E-06	1.68E-06
5543	484737.06, 3857535.68	9.62E-03	3.04E-06	1.29E-06	1.04E-02	3.27E-06	1.39E-06	1.62E-02	5.11E-06	2.17E-06
5544	483730.2, 3857530.13	6.41E-03	2.02E-06	8.59E-07	6.91E-03	2.18E-06	9.25E-07	1.08E-02	3.42E-06	1.45E-06
5545	483727.27, 3857130.01	7.79E-03	2.46E-06	1.04E-06	8.39E-03	2.65E-06	1.12E-06	1.32E-02	4.15E-06	1.76E-06
5546	483124.42, 3857123.45	6.13E-03	1.94E-06	8.21E-07	6.61E-03	2.09E-06	8.85E-07	1.04E-02	3.28E-06	1.39E-06
5547	483111.13, 3855921.03	1.05E-02	3.30E-06	1.40E-06	1.13E-02	3.56E-06	1.51E-06	1.78E-02	5.61E-06	2.38E-06

5548 482701.73, 3855918.24	8.20E-03	2.59E-06	1.10E-06	8.85E-03	2.79E-06	1.18E-06	1.40E-02	4.41E-06	1.87E-06
5549 482668.02, 3853521.78	5.39E-03	1.70E-06	7.22E-07	5.75E-03	1.81E-06	7.70E-07	8.35E-03	2.64E-06	1.12E-06
5550 482579.91, 3853219.19	3.05E-03	9.61E-07	4.08E-07	3.27E-03	1.03E-06	4.39E-07	5.05E-03	1.59E-06	6.76E-07
5551 482434.06, 3852961.94	2.39E-03	7.54E-07	3.20E-07	2.57E-03	8.12E-07	3.44E-07	4.00E-03	1.26E-06	5.36E-07
5552 482332.11, 3852832.85	2.18E-03	6.87E-07	2.92E-07	2.35E-03	7.40E-07	3.14E-07	3.66E-03	1.15E-06	4.89E-07
5553 481334.99, 3851818.96	1.30E-03	4.10E-07	1.74E-07	1.40E-03	4.42E-07	1.88E-07	2.20E-03	6.93E-07	2.94E-07
5554 481127.62, 3851646.36	1.22E-03	3.84E-07	1.63E-07	1.31E-03	4.14E-07	1.76E-07	2.06E-03	6.50E-07	2.76E-07
5555 481025.04, 3851591.73	1.20E-03	3.78E-07	1.60E-07	1.29E-03	4.08E-07	1.73E-07	2.03E-03	6.40E-07	2.71E-07
5556 480513.6, 3851335.76	1.11E-03	3.50E-07	1.49E-07	1.20E-03	3.78E-07	1.60E-07	1.89E-03	5.95E-07	2.53E-07
5557 480523.56, 3851317.66	1.10E-03	3.48E-07	1.48E-07	1.19E-03	3.75E-07	1.59E-07	1.87E-03	5.91E-07	2.51E-07
5558 476921.56, 3849569.11	3.89E-04	1.23E-07	5.20E-08	4.19E-04	1.32E-07	5.61E-08	6.58E-04	2.08E-07	8.81E-08
5559 476521.19, 3849373.96	3.68E-04	1.16E-07	4.93E-08	3.97E-04	1.25E-07	5.32E-08	6.25E-04	1.97E-07	8.37E-08
5560 476391.45, 3849333.38	3.67E-04	1.16E-07	4.92E-08	3.96E-04	1.25E-07	5.30E-08	6.23E-04	1.97E-07	8.35E-08
5561 476219.41, 3849304.29	3.69E-04	1.17E-07	4.94E-08	3.98E-04	1.26E-07	5.33E-08	6.26E-04	1.98E-07	8.38E-08
5562 475679.11, 3849218.47	3.61E-04	1.14E-07	4.84E-08	3.90E-04	1.23E-07	5.22E-08	6.14E-04	1.94E-07	8.22E-08
5563 475677.71, 3849233.88	3.64E-04	1.15E-07	4.88E-08	3.93E-04	1.24E-07	5.26E-08	6.19E-04	1.95E-07	8.28E-08
5564 475492.74, 3849204.66	3.21E-04	1.01E-07	4.30E-08	3.46E-04	1.09E-07	4.64E-08	5.47E-04	1.73E-07	7.32E-08
5565 475497.64, 3849158.75	3.33E-04	1.05E-07	4.45E-08	3.59E-04	1.13E-07	4.80E-08	5.66E-04	1.79E-07	7.58E-08
5566 475391.35, 3849141.94	3.46E-04	1.09E-07	4.63E-08	3.73E-04	1.18E-07	4.99E-08	5.88E-04	1.86E-07	7.88E-08
5567 475277, 3849095.47	3.46E-04	1.09E-07	4.63E-08	3.73E-04	1.18E-07	5.00E-08	5.89E-04	1.86E-07	7.88E-08
5568 475183.93, 3849025.66	3.39E-04	1.07E-07	4.55E-08	3.66E-04	1.16E-07	4.90E-08	5.78E-04	1.82E-07	7.73E-08
5569 474453.23, 3848378.77	2.93E-04	9.26E-08	3.93E-08	3.16E-04	9.98E-08	4.23E-08	4.99E-04	1.57E-07	6.68E-08
5570 474569.63, 3848399.34	2.90E-04	9.14E-08	3.88E-08	3.12E-04	9.86E-08	4.18E-08	4.93E-04	1.55E-07	6.60E-08
5571 474644.33, 3848464.52	2.95E-04	9.30E-08	3.95E-08	3.18E-04	1.00E-07	4.26E-08	5.01E-04	1.58E-07	6.71E-08
5572 474719.04, 3848529.7	2.99E-04	9.45E-08	4.01E-08	3.23E-04	1.02E-07	4.32E-08	5.09E-04	1.61E-07	6.82E-08
5573 474793.74, 3848594.88	3.01E-04	9.51E-08	4.04E-08	3.25E-04	1.03E-07	4.35E-08	5.13E-04	1.62E-07	6.87E-08
5574 474868.45, 3848660.07	3.01E-04	9.51E-08	4.04E-08	3.25E-04	1.03E-07	4.35E-08	5.13E-04	1.62E-07	6.87E-08
5575 474943.15, 3848725.25	3.04E-04	9.59E-08	4.07E-08	3.28E-04	1.03E-07	4.39E-08	5.17E-04	1.63E-07	6.92E-08
5576 475017.86, 3848790.43	3.10E-04	9.79E-08	4.15E-08	3.34E-04	1.06E-07	4.48E-08	5.28E-04	1.67E-07	7.07E-08
5577 475092.56, 3848855.61	3.18E-04	1.00E-07	4.26E-08	3.43E-04	1.08E-07	4.59E-08	5.41E-04	1.71E-07	7.25E-08
5578 475232.58, 3848959.38	3.28E-04	1.04E-07	4.40E-08	3.54E-04	1.12E-07	4.74E-08	5.59E-04	1.76E-07	7.48E-08
5579 475368.47, 3849029.98	3.31E-04	1.05E-07	4.44E-08	3.57E-04	1.13E-07	4.78E-08	5.64E-04	1.78E-07	7.55E-08
5580 475609.57, 3849096.09	3.30E-04	1.04E-07	4.42E-08	3.56E-04	1.12E-07	4.77E-08	5.61E-04	1.77E-07	7.52E-08
5581 475680.68, 3849116.62	3.39E-04	1.07E-07	4.53E-08	3.65E-04	1.15E-07	4.89E-08	5.76E-04	1.82E-07	7.71E-08
5582 475843.76, 3849151.52	3.46E-04	1.09E-07	4.63E-08	3.73E-04	1.18E-07	4.99E-08	5.87E-04	1.85E-07	7.86E-08
5583 475935.73, 3849165.89	3.53E-04	1.11E-07	4.73E-08	3.81E-04	1.20E-07	5.10E-08	5.99E-04	1.89E-07	8.03E-08
5584 476027.71, 3849180.27	3.57E-04	1.13E-07	4.78E-08	3.85E-04	1.22E-07	5.16E-08	6.06E-04	1.91E-07	8.11E-08
5585 476119.68, 3849194.64	3.50E-04	1.11E-07	4.69E-08	3.78E-04	1.19E-07	5.06E-08	5.95E-04	1.88E-07	7.97E-08
5586 476211.65, 3849209.01	3.48E-04	1.10E-07	4.66E-08	3.76E-04	1.19E-07	5.03E-08	5.91E-04	1.87E-07	7.92E-08
5587 476497.81, 3849283.9	3.50E-04	1.10E-07	4.68E-08	3.77E-04	1.19E-07	5.05E-08	5.94E-04	1.87E-07	7.95E-08
5588 476603.73, 3849323.77	3.54E-04	1.12E-07	4.74E-08	3.82E-04	1.20E-07	5.11E-08	6.00E-04	1.90E-07	8.04E-08
5589 476728.99, 3849382.76	3.60E-04	1.13E-07	4.82E-08	3.88E-04	1.22E-07	5.19E-08	6.10E-04	1.92E-07	8.16E-08
5590 476801.27, 3849418.65	3.64E-04	1.15E-07	4.87E-08	3.92E-04	1.24E-07	5.25E-08	6.16E-04	1.95E-07	8.25E-08
5591 476956.2, 3849495.05	3.73E-04	1.18E-07	4.99E-08	4.01E-04	1.27E-07	5.38E-08	6.31E-04	1.99E-07	8.45E-08
5592 477038.84, 3849535.56	3.75E-04	1.18E-07	5.02E-08	4.04E-04	1.28E-07	5.42E-08	6.35E-04	2.01E-07	8.51E-08
5593 477121.49, 3849576.08	3.80E-04	1.20E-07	5.09E-08	4.10E-04	1.29E-07	5.49E-08	6.44E-04	2.03E-07	8.62E-08
5594 477204.13, 3849616.6	3.84E-04	1.21E-07	5.14E-08	4.13E-04	1.30E-07	5.54E-08	6.49E-04	2.05E-07	8.70E-08
5595 477286.78, 3849657.12	3.81E-04	1.20E-07	5.10E-08	4.10E-04	1.30E-07	5.50E-08	6.45E-04	2.04E-07	8.64E-08
5596 477369.42, 3849697.63	3.94E-04	1.24E-07	5.28E-08	4.25E-04	1.34E-07	5.69E-08	6.67E-04	2.11E-07	8.94E-08
5597 477452.07, 3849738.15	3.99E-04	1.26E-07	5.34E-08	4.30E-04	1.36E-07	5.76E-08	6.75E-04	2.13E-07	9.04E-08
5598 477534.71, 3849778.67	4.11E-04	1.30E-07	5.50E-08	4.43E-04	1.40E-07	5.93E-08	6.95E-04	2.19E-07	9.30E-08
5599 477617.36, 3849819.18	4.17E-04	1.32E-07	5.59E-08	4.49E-04	1.42E-07	6.02E-08	7.05E-04	2.23E-07	9.44E-08
5600 477824.74, 3849896.37	4.41E-04	1.39E-07	5.90E-08	4.75E-04	1.50E-07	6.36E-08	7.45E-04	2.35E-07	9.97E-08
5601 477906.31, 3849936.37	4.40E-04	1.39E-07	5.90E-08	4.75E-04	1.50E-07	6.36E-08	7.45E-04	2.35E-07	9.98E-08
5602 477987.89, 3849976.36	4.55E-04	1.44E-07	6.09E-08	4.90E-04	1.55E-07	6.57E-08	7.70E-04	2.43E-07	1.03E-07
5603 478069.47, 3850016.36	4.60E-04	1.45E-07	6.16E-08	4.95E-04	1.56E-07	6.63E-08	7.78E-04	2.46E-07	1.04E-07
5604 478151.04, 3850056.35	4.66E-04	1.47E-07	6.24E-08	5.02E-04	1.58E-07	6.72E-08	7.89E-04	2.49E-07	1.06E-07
5605 478232.62, 3850096.35	4.80E-04	1.52E-07	6.43E-08	5.18E-04	1.63E-07	6.93E-08	8.14E-04	2.57E-07	1.09E-07
5606 478314.2, 3850136.34	4.97E-04	1.57E-07	6.65E-08	5.36E-04	1.69E-07	7.17E-08	8.42E-04	2.66E-07	1.13E-07
5607 478395.77, 3850176.34	5.15E-04	1.63E-07	6.90E-08	5.55E-04	1.75E-07	7.43E-08	8.73E-04	2.76E-07	1.17E-07
5608 478575.43, 3850244.45	5.63E-04	1.78E-07	7.54E-08	6.07E-04	1.92E-07	8.13E-08	9.56E-04	3.02E-07	1.28E-07

5609 478665.06, 3850287.29	5.88E-04	1.86E-07	7.88E-08	6.34E-04	2.00E-07	8.49E-08	9.98E-04	3.15E-07	1.34E-07
5610 478754.69, 3850330.14	6.15E-04	1.94E-07	8.24E-08	6.63E-04	2.09E-07	8.88E-08	1.04E-03	3.30E-07	1.40E-07
5611 478844.32, 3850372.99	6.44E-04	2.03E-07	8.63E-08	6.95E-04	2.19E-07	9.31E-08	1.09E-03	3.46E-07	1.47E-07
5612 478933.95, 3850415.84	6.75E-04	2.13E-07	9.04E-08	7.28E-04	2.30E-07	9.75E-08	1.15E-03	3.62E-07	1.54E-07
5613 479023.58, 3850458.68	6.99E-04	2.21E-07	9.37E-08	7.54E-04	2.38E-07	1.01E-07	1.19E-03	3.75E-07	1.59E-07
5614 479110.66, 3850441.91	7.37E-04	2.32E-07	9.86E-08	7.94E-04	2.51E-07	1.06E-07	1.25E-03	3.96E-07	1.68E-07
5615 479191.22, 3850423.99	7.64E-04	2.41E-07	1.02E-07	8.24E-04	2.60E-07	1.10E-07	1.30E-03	4.11E-07	1.74E-07
5616 479274.32, 3850465.71	7.84E-04	2.48E-07	1.05E-07	8.46E-04	2.67E-07	1.13E-07	1.34E-03	4.22E-07	1.79E-07
5617 479357.43, 3850507.42	8.01E-04	2.53E-07	1.07E-07	8.65E-04	2.73E-07	1.16E-07	1.37E-03	4.32E-07	1.83E-07
5618 479440.53, 3850549.14	8.16E-04	2.58E-07	1.09E-07	8.80E-04	2.78E-07	1.18E-07	1.39E-03	4.40E-07	1.87E-07
5619 479523.64, 3850590.85	8.31E-04	2.62E-07	1.11E-07	8.97E-04	2.83E-07	1.20E-07	1.42E-03	4.48E-07	1.90E-07
5620 479606.74, 3850632.57	8.48E-04	2.68E-07	1.14E-07	9.15E-04	2.89E-07	1.23E-07	1.45E-03	4.57E-07	1.94E-07
5621 479777.37, 3850707.61	8.75E-04	2.76E-07	1.17E-07	9.44E-04	2.98E-07	1.26E-07	1.50E-03	4.72E-07	2.00E-07
5622 479864.9, 3850740.95	8.88E-04	2.80E-07	1.19E-07	9.58E-04	3.02E-07	1.28E-07	1.52E-03	4.79E-07	2.03E-07
5623 479931.87, 3850829.57	9.16E-04	2.89E-07	1.23E-07	9.89E-04	3.12E-07	1.32E-07	1.57E-03	4.94E-07	2.10E-07
5624 479995.55, 3850926.75	9.52E-04	3.01E-07	1.28E-07	1.03E-03	3.24E-07	1.38E-07	1.63E-03	5.13E-07	2.18E-07
5625 480079.78, 3850968.64	9.71E-04	3.07E-07	1.30E-07	1.05E-03	3.31E-07	1.40E-07	1.66E-03	5.23E-07	2.22E-07
5626 480164.01, 3851010.54	9.88E-04	3.12E-07	1.32E-07	1.07E-03	3.36E-07	1.43E-07	1.68E-03	5.32E-07	2.26E-07
5627 480248.23, 3851052.43	1.00E-03	3.17E-07	1.34E-07	1.08E-03	3.42E-07	1.45E-07	1.71E-03	5.39E-07	2.29E-07
5628 480332.46, 3851094.33	1.02E-03	3.21E-07	1.36E-07	1.10E-03	3.46E-07	1.47E-07	1.73E-03	5.46E-07	2.32E-07
5629 480416.69, 3851136.22	1.03E-03	3.24E-07	1.37E-07	1.11E-03	3.49E-07	1.48E-07	1.75E-03	5.51E-07	2.34E-07
5630 480579.95, 3851215.17	1.04E-03	3.30E-07	1.40E-07	1.13E-03	3.55E-07	1.51E-07	1.77E-03	5.60E-07	2.38E-07
5631 480658.98, 3851252.22	1.05E-03	3.33E-07	1.41E-07	1.14E-03	3.58E-07	1.52E-07	1.79E-03	5.64E-07	2.39E-07
5632 480817.36, 3851327.85	1.07E-03	3.38E-07	1.43E-07	1.15E-03	3.64E-07	1.55E-07	1.81E-03	5.73E-07	2.43E-07
5633 480896.72, 3851366.43	1.08E-03	3.41E-07	1.45E-07	1.16E-03	3.67E-07	1.56E-07	1.83E-03	5.77E-07	2.45E-07
5634 480976.07, 3851405	1.09E-03	3.44E-07	1.46E-07	1.17E-03	3.70E-07	1.57E-07	1.84E-03	5.81E-07	2.47E-07
5635 481178, 3851487.31	1.10E-03	3.48E-07	1.48E-07	1.19E-03	3.75E-07	1.59E-07	1.86E-03	5.89E-07	2.50E-07
5636 481244.9, 3851557.17	1.14E-03	3.59E-07	1.52E-07	1.22E-03	3.86E-07	1.64E-07	1.92E-03	6.06E-07	2.57E-07
5637 481311.81, 3851627.03	1.17E-03	3.69E-07	1.56E-07	1.26E-03	3.97E-07	1.69E-07	1.97E-03	6.23E-07	2.64E-07
5638 481378.71, 3851696.89	1.20E-03	3.79E-07	1.61E-07	1.30E-03	4.09E-07	1.73E-07	2.03E-03	6.40E-07	2.72E-07
5639 481445.61, 3851766.76	1.24E-03	3.91E-07	1.66E-07	1.33E-03	4.21E-07	1.79E-07	2.09E-03	6.59E-07	2.80E-07
5640 481512.51, 3851836.62	1.27E-03	4.02E-07	1.71E-07	1.37E-03	4.33E-07	1.84E-07	2.15E-03	6.78E-07	2.88E-07
5641 481579.42, 3851906.48	1.31E-03	4.14E-07	1.76E-07	1.41E-03	4.46E-07	1.89E-07	2.21E-03	6.98E-07	2.96E-07
5642 481646.32, 3851976.34	1.35E-03	4.27E-07	1.81E-07	1.46E-03	4.60E-07	1.95E-07	2.28E-03	7.20E-07	3.05E-07
5643 481713.22, 3852046.2	1.39E-03	4.38E-07	1.86E-07	1.50E-03	4.72E-07	2.00E-07	2.34E-03	7.40E-07	3.14E-07
5644 481780.12, 3852116.06	1.44E-03	4.53E-07	1.92E-07	1.55E-03	4.88E-07	2.07E-07	2.42E-03	7.65E-07	3.25E-07
5645 481847.03, 3852185.92	1.49E-03	4.71E-07	2.00E-07	1.61E-03	5.08E-07	2.15E-07	2.52E-03	7.95E-07	3.37E-07
5646 481913.93, 3852255.78	1.55E-03	4.89E-07	2.07E-07	1.67E-03	5.26E-07	2.23E-07	2.61E-03	8.23E-07	3.49E-07
5647 481980.83, 3852325.65	1.61E-03	5.07E-07	2.15E-07	1.73E-03	5.46E-07	2.32E-07	2.70E-03	8.53E-07	3.62E-07
5648 482047.73, 3852395.51	1.66E-03	5.25E-07	2.23E-07	1.79E-03	5.65E-07	2.40E-07	2.80E-03	8.83E-07	3.75E-07
5649 482114.64, 3852465.37	1.72E-03	5.44E-07	2.31E-07	1.85E-03	5.85E-07	2.48E-07	2.89E-03	9.14E-07	3.88E-07
5650 482181.54, 3852535.23	1.79E-03	5.63E-07	2.39E-07	1.92E-03	6.07E-07	2.57E-07	3.00E-03	9.46E-07	4.02E-07
5651 482338.69, 3852700.05	1.95E-03	6.16E-07	2.62E-07	2.10E-03	6.64E-07	2.82E-07	3.27E-03	1.03E-06	4.38E-07
5652 482404.05, 3852767.78	2.03E-03	6.42E-07	2.72E-07	2.19E-03	6.91E-07	2.93E-07	3.41E-03	1.08E-06	4.56E-07
5653 482469.4, 3852835.52	2.13E-03	6.71E-07	2.85E-07	2.29E-03	7.22E-07	3.06E-07	3.56E-03	1.12E-06	4.76E-07
5654 482534.75, 3852903.25	2.23E-03	7.05E-07	2.99E-07	2.40E-03	7.58E-07	3.22E-07	3.73E-03	1.18E-06	5.00E-07
5655 482600.11, 3852970.99	2.36E-03	7.44E-07	3.16E-07	2.54E-03	8.01E-07	3.40E-07	3.94E-03	1.24E-06	5.27E-07
5656 482706.71, 3853119.28	2.72E-03	8.58E-07	3.64E-07	2.92E-03	9.23E-07	3.91E-07	4.52E-03	1.43E-06	6.06E-07
5657 482747.96, 3853199.84	2.97E-03	9.38E-07	3.98E-07	3.20E-03	1.01E-06	4.28E-07	4.92E-03	1.55E-06	6.59E-07
5658 482789.21, 3853280.4	3.29E-03	1.04E-06	4.41E-07	3.54E-03	1.12E-06	4.74E-07	5.41E-03	1.71E-06	7.24E-07
5659 482830.46, 3853360.96	3.77E-03	1.19E-06	5.05E-07	4.04E-03	1.27E-06	5.41E-07	6.07E-03	1.92E-06	8.13E-07
5660 482871.71, 3853441.52	5.86E-03	1.85E-06	7.84E-07	6.19E-03	1.95E-06	8.29E-07	8.35E-03	2.63E-06	1.12E-06
5661 482912.95, 3853522.07	1.12E-02	3.52E-06	1.49E-06	1.16E-02	3.67E-06	1.56E-06	1.38E-02	4.36E-06	1.85E-06
5662 482954.2, 3853602.63	1.12E-02	3.52E-06	1.49E-06	1.17E-02	3.69E-06	1.56E-06	1.44E-02	4.55E-06	1.93E-06
5663 482995.45, 3853683.19	1.17E-02	3.70E-06	1.57E-06	1.24E-02	3.90E-06	1.65E-06	1.64E-02	5.16E-06	2.19E-06
5664 483036.7, 3853763.75	1.37E-02	4.31E-06	1.83E-06	1.46E-02	4.60E-06	1.95E-06	2.12E-02	6.68E-06	2.83E-06
5665 483214.2, 3853909.91	1.47E-02	4.64E-06	1.97E-06	1.59E-02	5.02E-06	2.13E-06	2.58E-02	8.15E-06	3.46E-06
5666 483307.01, 3853910.44	1.33E-02	4.19E-06	1.78E-06	1.44E-02	4.53E-06	1.92E-06	2.33E-02	7.37E-06	3.12E-06
5667 483399.83, 3853910.96	1.20E-02	3.78E-06	1.60E-06	1.30E-02	4.09E-06	1.74E-06	2.11E-02	6.65E-06	2.82E-06
5668 483494.52, 3854009.24	1.38E-02	4.35E-06	1.85E-06	1.50E-02	4.73E-06	2.01E-06	2.49E-02	7.86E-06	3.33E-06
5669 483496.41, 3854106.98	1.71E-02	5.39E-06	2.29E-06	1.86E-02	5.87E-06	2.49E-06	3.14E-02	9.90E-06	4.20E-06

5670	483577.56, 3854261.96	2.00E-02	6.30E-06	2.68E-06	2.18E-02	6.87E-06	2.91E-06	3.67E-02	1.16E-05	4.91E-06
5671	483656.83, 3854319.19	1.95E-02	6.14E-06	2.61E-06	2.12E-02	6.68E-06	2.83E-06	3.54E-02	1.12E-05	4.74E-06
5672	483736.1, 3854376.41	1.88E-02	5.95E-06	2.52E-06	2.05E-02	6.46E-06	2.74E-06	3.40E-02	1.07E-05	4.55E-06
5673	483815.37, 3854433.64	1.84E-02	5.80E-06	2.46E-06	1.99E-02	6.29E-06	2.67E-06	3.28E-02	1.04E-05	4.39E-06
5674	483894.63, 3854490.87	1.80E-02	5.70E-06	2.42E-06	1.96E-02	6.17E-06	2.62E-06	3.19E-02	1.01E-05	4.27E-06
5675	483973.9, 3854548.1	1.81E-02	5.71E-06	2.42E-06	1.96E-02	6.18E-06	2.62E-06	3.17E-02	1.00E-05	4.24E-06
5676	484053.17, 3854605.32	1.89E-02	5.98E-06	2.54E-06	2.05E-02	6.46E-06	2.74E-06	3.28E-02	1.04E-05	4.39E-06
5677	484214.97, 3854698.15	2.04E-02	6.45E-06	2.74E-06	2.20E-02	6.95E-06	2.95E-06	3.48E-02	1.10E-05	4.65E-06
5678	484297.5, 3854733.74	2.16E-02	6.81E-06	2.89E-06	2.32E-02	7.34E-06	3.11E-06	3.64E-02	1.15E-05	4.88E-06
5679	484380.03, 3854769.34	2.18E-02	6.87E-06	2.91E-06	2.34E-02	7.39E-06	3.14E-06	3.66E-02	1.16E-05	4.90E-06
5680	484462.56, 3854804.94	2.26E-02	7.14E-06	3.03E-06	2.43E-02	7.68E-06	3.26E-06	3.80E-02	1.20E-05	5.09E-06
5681	484545.09, 3854840.53	2.24E-02	7.06E-06	2.99E-06	2.41E-02	7.60E-06	3.22E-06	3.75E-02	1.19E-05	5.03E-06
5682	484691.88, 3854912.59	2.41E-02	7.61E-06	3.23E-06	2.60E-02	8.19E-06	3.48E-06	4.04E-02	1.28E-05	5.41E-06
5683	484830.81, 3855012.51	2.66E-02	8.39E-06	3.56E-06	2.86E-02	9.03E-06	3.83E-06	4.44E-02	1.40E-05	5.95E-06
5684	484905.48, 3855075.97	2.94E-02	9.27E-06	3.93E-06	3.16E-02	9.97E-06	4.23E-06	4.91E-02	1.55E-05	6.58E-06
5685	484980.14, 3855139.44	3.12E-02	9.85E-06	4.18E-06	3.36E-02	1.06E-05	4.50E-06	5.23E-02	1.65E-05	7.00E-06
5686	485054.81, 3855202.91	3.22E-02	1.02E-05	4.31E-06	3.47E-02	1.09E-05	4.64E-06	5.40E-02	1.70E-05	7.23E-06
5687	485129.48, 3855266.37	3.20E-02	1.01E-05	4.28E-06	3.44E-02	1.09E-05	4.61E-06	5.36E-02	1.69E-05	7.17E-06
5688	485204.15, 3855329.84	3.37E-02	1.06E-05	4.52E-06	3.63E-02	1.15E-05	4.86E-06	5.67E-02	1.79E-05	7.59E-06
5689	485278.82, 3855393.31	3.43E-02	1.08E-05	4.59E-06	3.69E-02	1.16E-05	4.94E-06	5.77E-02	1.82E-05	7.72E-06
5690	485353.48, 3855456.77	3.53E-02	1.11E-05	4.73E-06	3.81E-02	1.20E-05	5.10E-06	5.96E-02	1.88E-05	7.98E-06
5691	485428.15, 3855520.24	3.57E-02	1.13E-05	4.78E-06	3.84E-02	1.21E-05	5.15E-06	6.03E-02	1.90E-05	8.08E-06
5692	485502.82, 3855583.71	3.61E-02	1.14E-05	4.84E-06	3.89E-02	1.23E-05	5.22E-06	6.12E-02	1.93E-05	8.20E-06
5693	485577.49, 3855647.17	3.75E-02	1.18E-05	5.02E-06	4.05E-02	1.28E-05	5.42E-06	6.38E-02	2.01E-05	8.54E-06
5694	485652.16, 3855710.64	3.89E-02	1.23E-05	5.21E-06	4.19E-02	1.32E-05	5.62E-06	6.63E-02	2.09E-05	8.88E-06
5695	485726.83, 3855774.11	3.93E-02	1.24E-05	5.26E-06	4.24E-02	1.34E-05	5.68E-06	6.72E-02	2.12E-05	9.00E-06
5696	485801.49, 3855837.57	3.92E-02	1.24E-05	5.24E-06	4.23E-02	1.33E-05	5.66E-06	6.70E-02	2.12E-05	8.98E-06
5697	485876.16, 3855901.04	3.95E-02	1.25E-05	5.29E-06	4.26E-02	1.35E-05	5.71E-06	6.77E-02	2.14E-05	9.07E-06
5698	485950.83, 3855964.5	3.94E-02	1.24E-05	5.28E-06	4.26E-02	1.34E-05	5.70E-06	6.77E-02	2.14E-05	9.07E-06
5699	486025.5, 3856027.97	3.88E-02	1.22E-05	5.19E-06	4.19E-02	1.32E-05	5.61E-06	6.67E-02	2.10E-05	8.93E-06
5700	486100.17, 3856091.44	4.05E-02	1.28E-05	5.43E-06	4.38E-02	1.38E-05	5.86E-06	6.98E-02	2.20E-05	9.35E-06
5701	486174.83, 3856154.9	3.95E-02	1.25E-05	5.30E-06	4.27E-02	1.35E-05	5.72E-06	6.82E-02	2.15E-05	9.14E-06
5702	486249.5, 3856218.37	3.71E-02	1.17E-05	4.97E-06	4.01E-02	1.27E-05	5.37E-06	6.41E-02	2.02E-05	8.58E-06
5703	486324.17, 3856281.84	3.53E-02	1.11E-05	4.73E-06	3.82E-02	1.20E-05	5.11E-06	6.10E-02	1.92E-05	8.17E-06
5704	486398.84, 3856345.3	3.61E-02	1.14E-05	4.83E-06	3.90E-02	1.23E-05	5.22E-06	6.23E-02	1.97E-05	8.35E-06
5705	486473.51, 3856408.77	3.62E-02	1.14E-05	4.85E-06	3.91E-02	1.23E-05	5.24E-06	6.26E-02	1.98E-05	8.38E-06
5706	486548.17, 3856472.24	3.72E-02	1.17E-05	4.98E-06	4.02E-02	1.27E-05	5.38E-06	6.42E-02	2.03E-05	8.60E-06
5707	486622.84, 3856535.7	3.82E-02	1.21E-05	5.12E-06	4.13E-02	1.30E-05	5.53E-06	6.60E-02	2.08E-05	8.84E-06
5708	486765.48, 3856659.69	4.10E-02	1.29E-05	5.49E-06	4.43E-02	1.40E-05	5.93E-06	7.08E-02	2.24E-05	9.49E-06
5709	486833.44, 3856720.2	4.20E-02	1.33E-05	5.63E-06	4.54E-02	1.43E-05	6.08E-06	7.27E-02	2.29E-05	9.73E-06
5710	486901.41, 3856780.72	4.34E-02	1.37E-05	5.81E-06	4.69E-02	1.48E-05	6.28E-06	7.51E-02	2.37E-05	1.01E-05
5711	486969.38, 3856841.24	4.45E-02	1.40E-05	5.96E-06	4.81E-02	1.52E-05	6.44E-06	7.70E-02	2.43E-05	1.03E-05
5712	487037.34, 3856901.75	4.54E-02	1.43E-05	6.08E-06	4.91E-02	1.55E-05	6.58E-06	7.87E-02	2.48E-05	1.05E-05
5713	487271.23, 3856855.51	3.79E-02	1.20E-05	5.07E-06	4.09E-02	1.29E-05	5.48E-06	6.55E-02	2.07E-05	8.78E-06
5714	487368.96, 3856857.29	3.60E-02	1.14E-05	4.83E-06	3.89E-02	1.23E-05	5.22E-06	6.23E-02	1.97E-05	8.35E-06
5715	487466.68, 3856859.06	3.45E-02	1.09E-05	4.61E-06	3.72E-02	1.18E-05	4.99E-06	5.96E-02	1.88E-05	7.98E-06
5716	487636.44, 3856930	3.34E-02	1.05E-05	4.48E-06	3.61E-02	1.14E-05	4.84E-06	5.78E-02	1.83E-05	7.74E-06
5717	487709.57, 3856928.43	3.23E-02	1.02E-05	4.33E-06	3.49E-02	1.10E-05	4.68E-06	5.59E-02	1.76E-05	7.49E-06
5718	487782.55, 3856841.96	2.95E-02	9.33E-06	3.96E-06	3.19E-02	1.01E-05	4.28E-06	5.11E-02	1.61E-05	6.84E-06
5719	487849.83, 3856754.74	2.73E-02	8.60E-06	3.65E-06	2.95E-02	9.30E-06	3.94E-06	4.71E-02	1.49E-05	6.31E-06
5720	487918.03, 3856819.39	2.77E-02	8.73E-06	3.71E-06	2.99E-02	9.44E-06	4.00E-06	4.78E-02	1.51E-05	6.40E-06
5721	487918.8, 3856886.37	2.88E-02	9.09E-06	3.86E-06	3.11E-02	9.82E-06	4.17E-06	4.98E-02	1.57E-05	6.67E-06
5722	488065.47, 3857127.51	3.08E-02	9.74E-06	4.13E-06	3.33E-02	1.05E-05	4.47E-06	5.35E-02	1.69E-05	7.16E-06
5723	488192.19, 3857385.84	3.33E-02	1.05E-05	4.45E-06	3.60E-02	1.13E-05	4.82E-06	5.79E-02	1.83E-05	7.75E-06
5724	488191.22, 3857473.87	3.47E-02	1.10E-05	4.65E-06	3.76E-02	1.19E-05	5.03E-06	6.05E-02	1.91E-05	8.10E-06
5725	488190.24, 3857561.91	3.62E-02	1.14E-05	4.85E-06	3.92E-02	1.24E-05	5.25E-06	6.32E-02	1.99E-05	8.46E-06
5726	488158.35, 3857691.13	3.95E-02	1.25E-05	5.28E-06	4.27E-02	1.35E-05	5.72E-06	6.89E-02	2.17E-05	9.23E-06
5727	488208.37, 3857816.66	4.03E-02	1.27E-05	5.39E-06	4.36E-02	1.38E-05	5.84E-06	7.04E-02	2.22E-05	9.43E-06
5728	488271.97, 3857874.6	3.92E-02	1.24E-05	5.24E-06	4.24E-02	1.34E-05	5.68E-06	6.85E-02	2.16E-05	9.18E-06
5729	488463.56, 3857942.31	3.44E-02	1.09E-05	4.61E-06	3.72E-02	1.17E-05	4.98E-06	6.00E-02	1.89E-05	8.04E-06
5730	488554.83, 3857940.83	3.22E-02	1.02E-05	4.31E-06	3.48E-02	1.10E-05	4.66E-06	5.61E-02	1.77E-05	7.51E-06

5731 488646.1, 3857939.36	3.02E-02	9.54E-06	4.05E-06	3.27E-02	1.03E-05	4.38E-06	5.26E-02	1.66E-05	7.05E-06
5732 488737.37, 3857937.88	2.85E-02	8.99E-06	3.81E-06	3.08E-02	9.72E-06	4.12E-06	4.96E-02	1.56E-05	6.64E-06
5733 488733.59, 3857960.57	2.86E-02	9.04E-06	3.83E-06	3.10E-02	9.77E-06	4.15E-06	4.99E-02	1.57E-05	6.68E-06
5734 488638.09, 3857961.57	3.05E-02	9.62E-06	4.08E-06	3.30E-02	1.04E-05	4.42E-06	5.31E-02	1.68E-05	7.11E-06
5735 488542.6, 3857962.56	3.26E-02	1.03E-05	4.37E-06	3.53E-02	1.11E-05	4.72E-06	5.68E-02	1.79E-05	7.61E-06
5736 488447.1, 3857963.56	3.50E-02	1.11E-05	4.69E-06	3.79E-02	1.20E-05	5.07E-06	6.11E-02	1.93E-05	8.19E-06
5737 488254.28, 3857890.36	4.00E-02	1.26E-05	5.35E-06	4.33E-02	1.37E-05	5.80E-06	7.00E-02	2.21E-05	9.37E-06
5738 488191.69, 3857833.06	4.12E-02	1.30E-05	5.51E-06	4.46E-02	1.41E-05	5.97E-06	7.21E-02	2.27E-05	9.65E-06
5739 488129.5, 3857907.43	4.51E-02	1.42E-05	6.04E-06	4.89E-02	1.54E-05	6.54E-06	7.93E-02	2.50E-05	1.06E-05
5740 488196.47, 3857968.74	4.36E-02	1.38E-05	5.84E-06	4.72E-02	1.49E-05	6.32E-06	7.66E-02	2.42E-05	1.03E-05
5741 488263.44, 3858030.04	4.22E-02	1.33E-05	5.65E-06	4.57E-02	1.44E-05	6.11E-06	7.41E-02	2.34E-05	9.92E-06
5742 488400.64, 3858132.9	3.85E-02	1.22E-05	5.16E-06	4.17E-02	1.32E-05	5.58E-06	6.74E-02	2.13E-05	9.03E-06
5743 488519.89, 3858218.38	3.42E-02	1.08E-05	4.57E-06	3.69E-02	1.17E-05	4.95E-06	5.94E-02	1.88E-05	7.96E-06
5744 488647.97, 3858214.99	3.02E-02	9.53E-06	4.04E-06	3.26E-02	1.03E-05	4.37E-06	5.24E-02	1.65E-05	7.02E-06
5745 488727.05, 3858167.67	2.86E-02	9.02E-06	3.83E-06	3.09E-02	9.75E-06	4.14E-06	4.96E-02	1.57E-05	6.65E-06
5746 488806.12, 3858120.35	2.72E-02	8.58E-06	3.64E-06	2.94E-02	9.28E-06	3.94E-06	4.72E-02	1.49E-05	6.33E-06
5747 488885.2, 3858073.03	2.59E-02	8.18E-06	3.47E-06	2.80E-02	8.85E-06	3.76E-06	4.51E-02	1.42E-05	6.04E-06
5748 489055.76, 3857991.18	2.36E-02	7.46E-06	3.16E-06	2.56E-02	8.07E-06	3.42E-06	4.11E-02	1.30E-05	5.51E-06
5749 489245.39, 3857944.55	2.15E-02	6.79E-06	2.88E-06	2.33E-02	7.34E-06	3.11E-06	3.74E-02	1.18E-05	5.01E-06
5750 489430.63, 3857930.91	1.97E-02	6.21E-06	2.63E-06	2.13E-02	6.71E-06	2.85E-06	3.42E-02	1.08E-05	4.58E-06
5751 489517.74, 3857929.36	1.89E-02	5.96E-06	2.53E-06	2.04E-02	6.45E-06	2.73E-06	3.28E-02	1.04E-05	4.40E-06
5752 489604.86, 3857927.82	1.82E-02	5.73E-06	2.43E-06	1.96E-02	6.20E-06	2.63E-06	3.16E-02	9.96E-06	4.23E-06
5753 489691.97, 3857926.28	1.75E-02	5.51E-06	2.34E-06	1.89E-02	5.96E-06	2.53E-06	3.04E-02	9.58E-06	4.07E-06
5754 489779.08, 3857924.73	1.68E-02	5.31E-06	2.25E-06	1.82E-02	5.74E-06	2.44E-06	2.92E-02	9.23E-06	3.92E-06
5755 490017.55, 3857875.09	1.54E-02	4.85E-06	2.06E-06	1.66E-02	5.25E-06	2.23E-06	2.67E-02	8.43E-06	3.58E-06
5756 490033.82, 3857960.81	1.50E-02	4.75E-06	2.01E-06	1.63E-02	5.13E-06	2.18E-06	2.61E-02	8.24E-06	3.49E-06
5757 489959.15, 3857987.49	1.54E-02	4.87E-06	2.06E-06	1.67E-02	5.26E-06	2.23E-06	2.67E-02	8.44E-06	3.58E-06
5758 489791.49, 3858016.12	1.64E-02	5.18E-06	2.20E-06	1.78E-02	5.60E-06	2.38E-06	2.85E-02	8.99E-06	3.82E-06
5759 489698.51, 3858018.07	1.71E-02	5.40E-06	2.29E-06	1.85E-02	5.83E-06	2.48E-06	2.97E-02	9.37E-06	3.97E-06
5760 489605.52, 3858020.02	1.78E-02	5.63E-06	2.39E-06	1.93E-02	6.08E-06	2.58E-06	3.10E-02	9.77E-06	4.15E-06
5761 489512.53, 3858021.96	1.86E-02	5.87E-06	2.49E-06	2.01E-02	6.35E-06	2.69E-06	3.23E-02	1.02E-05	4.33E-06
5762 489419.55, 3858023.91	1.95E-02	6.14E-06	2.60E-06	2.10E-02	6.64E-06	2.82E-06	3.38E-02	1.07E-05	4.53E-06
5763 489228.47, 3858041.29	2.14E-02	6.76E-06	2.87E-06	2.31E-02	7.31E-06	3.10E-06	3.72E-02	1.18E-05	4.99E-06
5764 489065.75, 3858085.78	2.32E-02	7.32E-06	3.11E-06	2.51E-02	7.92E-06	3.36E-06	4.03E-02	1.27E-05	5.40E-06
5765 489001.12, 3858114.86	2.40E-02	7.56E-06	3.21E-06	2.59E-02	8.17E-06	3.47E-06	4.16E-02	1.31E-05	5.58E-06
5766 488861.89, 3858189.81	2.58E-02	8.13E-06	3.45E-06	2.79E-02	8.79E-06	3.73E-06	4.48E-02	1.41E-05	5.99E-06
5767 488787.29, 3858235.69	2.67E-02	8.43E-06	3.57E-06	2.89E-02	9.11E-06	3.86E-06	4.63E-02	1.46E-05	6.20E-06
5768 488712.68, 3858281.57	2.78E-02	8.78E-06	3.73E-06	3.01E-02	9.49E-06	4.03E-06	4.82E-02	1.52E-05	6.46E-06
5769 488654.39, 3858436.17	2.53E-02	8.00E-06	3.39E-06	2.73E-02	8.62E-06	3.66E-06	4.28E-02	1.35E-05	5.73E-06
5770 488726.31, 3858505.26	2.21E-02	6.96E-06	2.95E-06	2.37E-02	7.48E-06	3.17E-06	3.64E-02	1.15E-05	4.87E-06
5771 488880.6, 3858599.28	1.82E-02	5.76E-06	2.44E-06	1.95E-02	6.16E-06	2.62E-06	2.93E-02	9.24E-06	3.92E-06
5772 489008.06, 3858714.75	1.58E-02	4.98E-06	2.11E-06	1.68E-02	5.31E-06	2.25E-06	2.44E-02	7.71E-06	3.27E-06
5773 489071.48, 3858772.72	1.47E-02	4.64E-06	1.97E-06	1.57E-02	4.94E-06	2.10E-06	2.25E-02	7.10E-06	3.01E-06
5774 489244.6, 3858920.2	1.07E-02	3.38E-06	1.43E-06	1.14E-02	3.61E-06	1.53E-06	1.69E-02	5.34E-06	2.26E-06
5775 489239.69, 3858952.23	1.01E-02	3.20E-06	1.36E-06	1.08E-02	3.42E-06	1.45E-06	1.60E-02	5.07E-06	2.15E-06
5776 489121.67, 3858854.49	1.30E-02	4.11E-06	1.74E-06	1.39E-02	4.37E-06	1.86E-06	1.98E-02	6.26E-06	2.66E-06
5777 489059.59, 3858797.27	1.47E-02	4.63E-06	1.96E-06	1.56E-02	4.92E-06	2.09E-06	2.21E-02	6.98E-06	2.96E-06
5778 488997.52, 3858740.04	1.58E-02	4.97E-06	2.11E-06	1.68E-02	5.30E-06	2.25E-06	2.41E-02	7.59E-06	3.22E-06
5779 488935.44, 3858682.82	1.68E-02	5.29E-06	2.24E-06	1.79E-02	5.64E-06	2.39E-06	2.60E-02	8.22E-06	3.49E-06
5780 488869.17, 3858848.43	2.10E-02	6.62E-06	2.81E-06	2.20E-02	6.94E-06	2.94E-06	2.76E-02	8.70E-06	3.69E-06
5781 488932.48, 3858892.69	1.64E-02	5.19E-06	2.20E-06	1.73E-02	5.47E-06	2.32E-06	2.27E-02	7.15E-06	3.03E-06
5782 489063.27, 3858977.17	1.02E-02	3.22E-06	1.37E-06	1.09E-02	3.44E-06	1.46E-06	1.58E-02	5.00E-06	2.12E-06
5783 489248.2, 3859117.15	7.45E-03	2.35E-06	9.97E-07	7.99E-03	2.52E-06	1.07E-06	1.22E-02	3.85E-06	1.63E-06
5784 489296.25, 3859049.22	8.38E-03	2.64E-06	1.12E-06	8.98E-03	2.83E-06	1.20E-06	1.36E-02	4.28E-06	1.82E-06
5785 489353.38, 3858993.97	9.11E-03	2.88E-06	1.22E-06	9.77E-03	3.08E-06	1.31E-06	1.47E-02	4.65E-06	1.97E-06
5786 489537.25, 3859120.22	7.39E-03	2.33E-06	9.89E-07	7.94E-03	2.51E-06	1.06E-06	1.22E-02	3.85E-06	1.63E-06
5787 489726.98, 3859246.04	6.27E-03	1.98E-06	8.39E-07	6.74E-03	2.13E-06	9.03E-07	1.05E-02	3.30E-06	1.40E-06
5788 489911.46, 3859366.33	5.50E-03	1.73E-06	7.36E-07	5.92E-03	1.87E-06	7.92E-07	9.24E-03	2.92E-06	1.24E-06
5789 490035.3, 3859430.26	5.14E-03	1.62E-06	6.88E-07	5.54E-03	1.75E-06	7.41E-07	8.66E-03	2.73E-06	1.16E-06
5790 490101.11, 3859458.61	5.00E-03	1.58E-06	6.70E-07	5.39E-03	1.70E-06	7.22E-07	8.44E-03	2.66E-06	1.13E-06
5791 490312.68, 3859560.3	4.57E-03	1.44E-06	6.12E-07	4.93E-03	1.56E-06	6.60E-07	7.74E-03	2.44E-06	1.04E-06

5792 490401.63, 3859603.12	4.42E-03	1.39E-06	5.91E-07	4.76E-03	1.50E-06	6.37E-07	7.48E-03	2.36E-06	1.00E-06
5793 490490.57, 3859645.94	4.27E-03	1.35E-06	5.72E-07	4.61E-03	1.45E-06	6.17E-07	7.24E-03	2.29E-06	9.70E-07
5794 490579.51, 3859688.76	4.14E-03	1.31E-06	5.55E-07	4.47E-03	1.41E-06	5.98E-07	7.03E-03	2.22E-06	9.41E-07
5795 490668.45, 3859731.58	4.02E-03	1.27E-06	5.39E-07	4.34E-03	1.37E-06	5.81E-07	6.84E-03	2.16E-06	9.16E-07
5796 490757.4, 3859774.4	3.90E-03	1.23E-06	5.22E-07	4.20E-03	1.33E-06	5.63E-07	6.63E-03	2.09E-06	8.87E-07
5797 491003.53, 3859861.82	3.67E-03	1.16E-06	4.92E-07	3.96E-03	1.25E-06	5.31E-07	6.26E-03	1.98E-06	8.38E-07
5798 491081.41, 3859879.05	3.63E-03	1.15E-06	4.86E-07	3.92E-03	1.24E-06	5.25E-07	6.19E-03	1.95E-06	8.29E-07
5799 491229.76, 3859917.82	3.53E-03	1.12E-06	4.73E-07	3.81E-03	1.20E-06	5.10E-07	6.02E-03	1.90E-06	8.07E-07
5800 491300.22, 3859939.35	3.48E-03	1.10E-06	4.66E-07	3.75E-03	1.18E-06	5.02E-07	5.93E-03	1.87E-06	7.94E-07
5801 491350.49, 3860012.03	3.29E-03	1.04E-06	4.40E-07	3.55E-03	1.12E-06	4.75E-07	5.61E-03	1.77E-06	7.51E-07
5802 491406.82, 3860092.57	3.11E-03	9.81E-07	4.16E-07	3.35E-03	1.06E-06	4.49E-07	5.30E-03	1.67E-06	7.09E-07
5803 491483.37, 3860121.96	3.06E-03	9.65E-07	4.09E-07	3.30E-03	1.04E-06	4.41E-07	5.21E-03	1.64E-06	6.98E-07
5804 491559.91, 3860151.36	3.00E-03	9.48E-07	4.02E-07	3.24E-03	1.02E-06	4.34E-07	5.12E-03	1.62E-06	6.86E-07
5805 491711.81, 3860237.76	2.91E-03	9.20E-07	3.90E-07	3.14E-03	9.93E-07	4.21E-07	4.98E-03	1.57E-06	6.67E-07
5806 491755.2, 3860319.07	2.70E-03	8.51E-07	3.61E-07	2.91E-03	9.18E-07	3.89E-07	4.60E-03	1.45E-06	6.16E-07
5807 491704.71, 3860366.54	2.61E-03	8.23E-07	3.49E-07	2.81E-03	8.88E-07	3.77E-07	4.45E-03	1.40E-06	5.96E-07
5808 491623.43, 3860462.39	2.43E-03	7.66E-07	3.25E-07	2.62E-03	8.27E-07	3.51E-07	4.14E-03	1.31E-06	5.54E-07
5809 491534.02, 3860439.85	2.52E-03	7.94E-07	3.37E-07	2.71E-03	8.56E-07	3.63E-07	4.29E-03	1.35E-06	5.75E-07
5810 491313.95, 3860268.18	2.69E-03	8.50E-07	3.61E-07	2.90E-03	9.17E-07	3.89E-07	4.59E-03	1.45E-06	6.14E-07
5811 491187.12, 3860143.56	2.95E-03	9.30E-07	3.94E-07	3.18E-03	1.00E-06	4.25E-07	5.01E-03	1.58E-06	6.72E-07
5812 491070.43, 3860075.97	3.09E-03	9.75E-07	4.14E-07	3.33E-03	1.05E-06	4.46E-07	5.26E-03	1.66E-06	7.04E-07
5813 490995.09, 3860039.39	3.16E-03	9.99E-07	4.24E-07	3.41E-03	1.08E-06	4.57E-07	5.38E-03	1.70E-06	7.21E-07
5814 490919.75, 3860002.8	3.24E-03	1.02E-06	4.34E-07	3.50E-03	1.10E-06	4.68E-07	5.51E-03	1.74E-06	7.38E-07
5815 490756.81, 3859894.53	3.52E-03	1.11E-06	4.71E-07	3.79E-03	1.20E-06	5.08E-07	5.98E-03	1.89E-06	8.01E-07
5816 490668.07, 3859860.92	3.58E-03	1.13E-06	4.80E-07	3.87E-03	1.22E-06	5.18E-07	6.09E-03	1.92E-06	8.15E-07
5817 490579.34, 3859827.3	3.66E-03	1.16E-06	4.91E-07	3.95E-03	1.25E-06	5.29E-07	6.22E-03	1.96E-06	8.33E-07
5818 490490.6, 3859793.68	3.74E-03	1.18E-06	5.00E-07	4.03E-03	1.27E-06	5.39E-07	6.34E-03	2.00E-06	8.48E-07
5819 490401.86, 3859760.07	3.81E-03	1.20E-06	5.11E-07	4.11E-03	1.30E-06	5.50E-07	6.46E-03	2.04E-06	8.65E-07
5820 490313.12, 3859726.45	3.90E-03	1.23E-06	5.23E-07	4.21E-03	1.33E-06	5.63E-07	6.61E-03	2.09E-06	8.85E-07
5821 490224.39, 3859692.83	4.00E-03	1.26E-06	5.36E-07	4.31E-03	1.36E-06	5.77E-07	6.77E-03	2.14E-06	9.06E-07
5822 490135.65, 3859659.22	4.11E-03	1.30E-06	5.50E-07	4.43E-03	1.40E-06	5.93E-07	6.95E-03	2.19E-06	9.30E-07
5823 489918.19, 3859559.23	4.47E-03	1.41E-06	5.98E-07	4.81E-03	1.52E-06	6.44E-07	7.54E-03	2.38E-06	1.01E-06
5824 489743.61, 3859486	4.75E-03	1.50E-06	6.37E-07	5.12E-03	1.62E-06	6.86E-07	8.01E-03	2.53E-06	1.07E-06
5825 489660.32, 3859440.27	4.96E-03	1.57E-06	6.65E-07	5.34E-03	1.69E-06	7.16E-07	8.35E-03	2.64E-06	1.12E-06
5826 489577.04, 3859394.53	5.19E-03	1.64E-06	6.95E-07	5.59E-03	1.76E-06	7.49E-07	8.72E-03	2.75E-06	1.17E-06
5827 489493.75, 3859348.8	5.44E-03	1.72E-06	7.29E-07	5.86E-03	1.85E-06	7.85E-07	9.12E-03	2.88E-06	1.22E-06
5828 489321.28, 3859240.02	6.18E-03	1.95E-06	8.27E-07	6.64E-03	2.10E-06	8.90E-07	1.03E-02	3.24E-06	1.38E-06
5829 489235.41, 3859193.96	6.57E-03	2.07E-06	8.79E-07	7.06E-03	2.23E-06	9.45E-07	1.09E-02	3.43E-06	1.46E-06
5830 489149.54, 3859147.89	7.00E-03	2.21E-06	9.37E-07	7.52E-03	2.37E-06	1.01E-06	1.15E-02	3.63E-06	1.54E-06
5831 489063.68, 3859101.82	7.55E-03	2.38E-06	1.01E-06	8.10E-03	2.56E-06	1.08E-06	1.23E-02	3.88E-06	1.65E-06
5832 488977.81, 3859055.75	8.26E-03	2.61E-06	1.11E-06	8.85E-03	2.79E-06	1.18E-06	1.33E-02	4.19E-06	1.78E-06
5833 488891.94, 3859009.69	9.20E-03	2.90E-06	1.23E-06	9.84E-03	3.10E-06	1.32E-06	1.45E-02	4.58E-06	1.94E-06
5834 488808, 3859060.73	8.13E-03	2.57E-06	1.09E-06	8.72E-03	2.75E-06	1.17E-06	1.31E-02	4.14E-06	1.76E-06
5835 488809.93, 3859157.85	6.98E-03	2.20E-06	9.34E-07	7.50E-03	2.37E-06	1.00E-06	1.15E-02	3.62E-06	1.54E-06
5836 488811.86, 3859254.96	6.20E-03	1.96E-06	8.31E-07	6.67E-03	2.11E-06	8.93E-07	1.03E-02	3.25E-06	1.38E-06
5837 488813.78, 3859352.07	5.61E-03	1.77E-06	7.51E-07	6.03E-03	1.90E-06	8.08E-07	9.37E-03	2.96E-06	1.26E-06
5838 488815.71, 3859449.19	5.13E-03	1.62E-06	6.86E-07	5.52E-03	1.74E-06	7.39E-07	8.60E-03	2.72E-06	1.15E-06
5839 488910.04, 3859547.11	4.71E-03	1.49E-06	6.30E-07	5.07E-03	1.60E-06	6.79E-07	7.92E-03	2.50E-06	1.06E-06
5840 489002.45, 3859547.91	4.70E-03	1.48E-06	6.29E-07	5.06E-03	1.60E-06	6.77E-07	7.91E-03	2.50E-06	1.06E-06
5841 489094.85, 3859548.72	4.68E-03	1.48E-06	6.26E-07	5.04E-03	1.59E-06	6.74E-07	7.88E-03	2.49E-06	1.06E-06
5842 489230.05, 3859601.87	4.45E-03	1.40E-06	5.96E-07	4.79E-03	1.51E-06	6.42E-07	7.51E-03	2.37E-06	1.01E-06
5843 489227.52, 3859680.89	4.21E-03	1.33E-06	5.64E-07	4.54E-03	1.43E-06	6.07E-07	7.11E-03	2.25E-06	9.53E-07
5844 489133.47, 3859760.29	4.00E-03	1.26E-06	5.35E-07	4.31E-03	1.36E-06	5.77E-07	6.76E-03	2.13E-06	9.05E-07
5845 489041.96, 3859760.67	4.00E-03	1.26E-06	5.35E-07	4.31E-03	1.36E-06	5.77E-07	6.76E-03	2.13E-06	9.05E-07
5846 488950.45, 3859761.05	3.99E-03	1.26E-06	5.34E-07	4.30E-03	1.36E-06	5.75E-07	6.74E-03	2.13E-06	9.02E-07
5847 488858.94, 3859761.43	3.97E-03	1.25E-06	5.32E-07	4.28E-03	1.35E-06	5.73E-07	6.71E-03	2.12E-06	8.98E-07
5848 488767.43, 3859761.82	3.94E-03	1.24E-06	5.28E-07	4.25E-03	1.34E-06	5.69E-07	6.65E-03	2.10E-06	8.90E-07
5849 488675.92, 3859762.2	3.92E-03	1.24E-06	5.24E-07	4.22E-03	1.33E-06	5.65E-07	6.60E-03	2.08E-06	8.84E-07
5850 488584.41, 3859762.58	3.88E-03	1.23E-06	5.20E-07	4.18E-03	1.32E-06	5.60E-07	6.53E-03	2.06E-06	8.75E-07
5851 488492.9, 3859762.96	3.85E-03	1.22E-06	5.16E-07	4.15E-03	1.31E-06	5.56E-07	6.48E-03	2.05E-06	8.68E-07
5852 488402.76, 3859830.95	3.64E-03	1.15E-06	4.88E-07	3.92E-03	1.24E-06	5.25E-07	6.13E-03	1.93E-06	8.20E-07

5853 488404.14, 3859898.55	3.46E-03	1.09E-06	4.63E-07	3.73E-03	1.18E-06	4.99E-07	5.82E-03	1.84E-06	7.80E-07
5854 488505.18, 3859964.96	3.33E-03	1.05E-06	4.46E-07	3.59E-03	1.13E-06	4.80E-07	5.61E-03	1.77E-06	7.52E-07
5855 488604.85, 3859963.76	3.35E-03	1.06E-06	4.49E-07	3.61E-03	1.14E-06	4.84E-07	5.66E-03	1.79E-06	7.58E-07
5856 488704.51, 3859962.56	3.38E-03	1.07E-06	4.53E-07	3.65E-03	1.15E-06	4.88E-07	5.71E-03	1.80E-06	7.65E-07
5857 488804.18, 3859961.37	3.42E-03	1.08E-06	4.58E-07	3.68E-03	1.16E-06	4.93E-07	5.77E-03	1.82E-06	7.73E-07
5858 488903.85, 3859960.17	3.45E-03	1.09E-06	4.62E-07	3.72E-03	1.17E-06	4.98E-07	5.83E-03	1.84E-06	7.81E-07
5859 489003.52, 3859958.97	3.47E-03	1.10E-06	4.65E-07	3.74E-03	1.18E-06	5.01E-07	5.88E-03	1.86E-06	7.87E-07
5860 489103.18, 3859957.77	3.49E-03	1.10E-06	4.67E-07	3.76E-03	1.19E-06	5.04E-07	5.91E-03	1.87E-06	7.92E-07
5861 489201.48, 3860046.59	3.31E-03	1.04E-06	4.43E-07	3.57E-03	1.13E-06	4.77E-07	5.61E-03	1.77E-06	7.51E-07
5862 489200.11, 3860136.61	3.12E-03	9.85E-07	4.18E-07	3.36E-03	1.06E-06	4.51E-07	5.29E-03	1.67E-06	7.09E-07
5863 489198.74, 3860226.63	2.95E-03	9.31E-07	3.95E-07	3.18E-03	1.00E-06	4.26E-07	5.00E-03	1.58E-06	6.70E-07
5864 489197.38, 3860316.66	2.79E-03	8.80E-07	3.73E-07	3.01E-03	9.49E-07	4.02E-07	4.73E-03	1.49E-06	6.33E-07
5865 489196.01, 3860406.68	2.64E-03	8.35E-07	3.54E-07	2.85E-03	9.00E-07	3.82E-07	4.48E-03	1.42E-06	6.00E-07
5866 489194.64, 3860496.7	2.50E-03	7.90E-07	3.35E-07	2.70E-03	8.52E-07	3.61E-07	4.24E-03	1.34E-06	5.68E-07
5867 489193.27, 3860586.72	2.38E-03	7.52E-07	3.19E-07	2.57E-03	8.11E-07	3.44E-07	4.04E-03	1.27E-06	5.41E-07
5868 489092.02, 3860678.13	2.25E-03	7.11E-07	3.02E-07	2.43E-03	7.66E-07	3.25E-07	3.82E-03	1.20E-06	5.11E-07
5869 488992.13, 3860679.53	2.24E-03	7.06E-07	3.00E-07	2.41E-03	7.61E-07	3.23E-07	3.79E-03	1.20E-06	5.07E-07
5870 488892.25, 3860680.92	2.23E-03	7.03E-07	2.98E-07	2.40E-03	7.57E-07	3.21E-07	3.77E-03	1.19E-06	5.05E-07
5871 488792.36, 3860682.31	2.21E-03	6.99E-07	2.97E-07	2.39E-03	7.53E-07	3.20E-07	3.75E-03	1.18E-06	5.02E-07
5872 488692.48, 3860683.7	2.21E-03	6.97E-07	2.96E-07	2.38E-03	7.51E-07	3.19E-07	3.73E-03	1.18E-06	5.00E-07
5873 488592.59, 3860685.1	2.19E-03	6.92E-07	2.94E-07	2.36E-03	7.45E-07	3.16E-07	3.71E-03	1.17E-06	4.96E-07
5874 488492.71, 3860686.49	2.19E-03	6.92E-07	2.94E-07	2.36E-03	7.45E-07	3.16E-07	3.70E-03	1.17E-06	4.96E-07
5875 488299.07, 3860762.18	2.13E-03	6.72E-07	2.85E-07	2.29E-03	7.24E-07	3.07E-07	3.59E-03	1.13E-06	4.81E-07
5876 488205.32, 3860764.09	2.11E-03	6.66E-07	2.82E-07	2.27E-03	7.17E-07	3.04E-07	3.56E-03	1.12E-06	4.76E-07
5877 488111.56, 3860766	2.08E-03	6.58E-07	2.79E-07	2.25E-03	7.09E-07	3.01E-07	3.51E-03	1.11E-06	4.71E-07
5878 488017.81, 3860767.91	2.06E-03	6.51E-07	2.76E-07	2.22E-03	7.01E-07	2.97E-07	3.47E-03	1.10E-06	4.65E-07
5879 487924.06, 3860769.81	2.05E-03	6.45E-07	2.74E-07	2.20E-03	6.95E-07	2.95E-07	3.44E-03	1.09E-06	4.61E-07
5880 487830.31, 3860771.72	2.03E-03	6.42E-07	2.72E-07	2.19E-03	6.91E-07	2.93E-07	3.42E-03	1.08E-06	4.58E-07
5881 487736.55, 3860773.63	2.03E-03	6.40E-07	2.71E-07	2.18E-03	6.89E-07	2.92E-07	3.41E-03	1.08E-06	4.57E-07
5882 487642.8, 3860775.54	2.03E-03	6.40E-07	2.72E-07	2.18E-03	6.89E-07	2.92E-07	3.41E-03	1.08E-06	4.57E-07
5883 487549.48, 3860684.71	2.12E-03	6.70E-07	2.84E-07	2.29E-03	7.22E-07	3.06E-07	3.57E-03	1.13E-06	4.78E-07
5884 487549.91, 3860591.97	2.21E-03	6.97E-07	2.96E-07	2.38E-03	7.51E-07	3.19E-07	3.72E-03	1.17E-06	4.98E-07
5885 487550.34, 3860499.23	2.31E-03	7.30E-07	3.10E-07	2.49E-03	7.87E-07	3.34E-07	3.89E-03	1.23E-06	5.21E-07
5886 487550.76, 3860406.49	2.43E-03	7.68E-07	3.26E-07	2.62E-03	8.27E-07	3.51E-07	4.09E-03	1.29E-06	5.48E-07
5887 487551.19, 3860313.75	2.55E-03	8.05E-07	3.42E-07	2.75E-03	8.67E-07	3.68E-07	4.29E-03	1.35E-06	5.75E-07
5888 487551.62, 3860221.01	2.69E-03	8.48E-07	3.60E-07	2.89E-03	9.13E-07	3.87E-07	4.52E-03	1.43E-06	6.05E-07
5889 487552.05, 3860128.27	2.85E-03	9.00E-07	3.82E-07	3.07E-03	9.69E-07	4.11E-07	4.79E-03	1.51E-06	6.42E-07
5890 487552.48, 3860035.53	3.02E-03	9.55E-07	4.05E-07	3.26E-03	1.03E-06	4.36E-07	5.08E-03	1.60E-06	6.80E-07
5891 487552.91, 3859942.79	3.19E-03	1.01E-06	4.27E-07	3.43E-03	1.08E-06	4.60E-07	5.36E-03	1.69E-06	7.17E-07
5892 487553.33, 3859850.05	3.40E-03	1.07E-06	4.56E-07	3.67E-03	1.16E-06	4.91E-07	5.72E-03	1.80E-06	7.66E-07
5893 487553.76, 3859757.31	3.62E-03	1.14E-06	4.85E-07	3.90E-03	1.23E-06	5.22E-07	6.08E-03	1.92E-06	8.14E-07
5894 487554.19, 3859664.57	3.87E-03	1.22E-06	5.18E-07	4.16E-03	1.31E-06	5.58E-07	6.49E-03	2.05E-06	8.69E-07
5895 487460.2, 3859571.05	4.12E-03	1.30E-06	5.52E-07	4.44E-03	1.40E-06	5.94E-07	6.91E-03	2.18E-06	9.25E-07
5896 487365.78, 3859570.27	4.11E-03	1.30E-06	5.50E-07	4.42E-03	1.40E-06	5.92E-07	6.90E-03	2.18E-06	9.23E-07
5897 487271.36, 3859569.48	4.09E-03	1.29E-06	5.48E-07	4.41E-03	1.39E-06	5.90E-07	6.87E-03	2.17E-06	9.20E-07
5898 487176.94, 3859568.7	4.07E-03	1.29E-06	5.45E-07	4.39E-03	1.38E-06	5.87E-07	6.84E-03	2.16E-06	9.16E-07
5899 487082.51, 3859567.92	4.06E-03	1.28E-06	5.43E-07	4.37E-03	1.38E-06	5.85E-07	6.81E-03	2.15E-06	9.12E-07
5900 486988.09, 3859567.14	4.03E-03	1.27E-06	5.40E-07	4.34E-03	1.37E-06	5.82E-07	6.78E-03	2.14E-06	9.08E-07
5901 486893.67, 3859566.36	4.01E-03	1.26E-06	5.37E-07	4.32E-03	1.36E-06	5.78E-07	6.74E-03	2.13E-06	9.02E-07
5902 486799.25, 3859565.58	3.98E-03	1.26E-06	5.33E-07	4.28E-03	1.35E-06	5.74E-07	6.69E-03	2.11E-06	8.96E-07
5903 486704.83, 3859564.79	3.95E-03	1.25E-06	5.29E-07	4.25E-03	1.34E-06	5.70E-07	6.64E-03	2.10E-06	8.90E-07
5904 486610.41, 3859564.01	3.92E-03	1.24E-06	5.25E-07	4.22E-03	1.33E-06	5.66E-07	6.60E-03	2.08E-06	8.84E-07
5905 486515.99, 3859563.23	3.88E-03	1.22E-06	5.20E-07	4.18E-03	1.32E-06	5.60E-07	6.53E-03	2.06E-06	8.74E-07
5906 486421.57, 3859562.45	3.85E-03	1.21E-06	5.15E-07	4.14E-03	1.31E-06	5.55E-07	6.47E-03	2.04E-06	8.67E-07
5907 486327.14, 3859561.67	3.82E-03	1.21E-06	5.12E-07	4.11E-03	1.30E-06	5.51E-07	6.43E-03	2.03E-06	8.61E-07
5908 486232.72, 3859560.89	3.78E-03	1.19E-06	5.06E-07	4.07E-03	1.28E-06	5.45E-07	6.36E-03	2.01E-06	8.52E-07
5909 486138.3, 3859560.1	3.75E-03	1.18E-06	5.02E-07	4.03E-03	1.27E-06	5.40E-07	6.31E-03	1.99E-06	8.45E-07
5910 486043.88, 3859559.32	3.71E-03	1.17E-06	4.97E-07	3.99E-03	1.26E-06	5.35E-07	6.25E-03	1.97E-06	8.37E-07
5911 485949.35, 3859463.54	3.89E-03	1.23E-06	5.21E-07	4.19E-03	1.32E-06	5.61E-07	6.56E-03	2.07E-06	8.78E-07
5912 485949.24, 3859368.55	4.13E-03	1.30E-06	5.53E-07	4.45E-03	1.40E-06	5.96E-07	6.97E-03	2.20E-06	9.33E-07
5913 485949.12, 3859273.55	4.40E-03	1.39E-06	5.89E-07	4.74E-03	1.50E-06	6.35E-07	7.42E-03	2.34E-06	9.94E-07

5914 485949.01, 3859178.56	4.69E-03	1.48E-06	6.28E-07	5.05E-03	1.60E-06	6.77E-07	7.91E-03	2.50E-06	1.06E-06
5915 485948.9, 3859083.56	5.02E-03	1.59E-06	6.72E-07	5.41E-03	1.71E-06	7.24E-07	8.47E-03	2.67E-06	1.13E-06
5916 485948.79, 3858988.56	5.36E-03	1.69E-06	7.18E-07	5.78E-03	1.82E-06	7.74E-07	9.04E-03	2.85E-06	1.21E-06
5917 485948.67, 3858893.57	5.73E-03	1.81E-06	7.67E-07	6.17E-03	1.95E-06	8.26E-07	9.66E-03	3.05E-06	1.29E-06
5918 485948.56, 3858798.57	6.17E-03	1.95E-06	8.26E-07	6.64E-03	2.10E-06	8.90E-07	1.04E-02	3.28E-06	1.39E-06
5919 485948.45, 3858703.58	6.59E-03	2.08E-06	8.82E-07	7.09E-03	2.24E-06	9.50E-07	1.11E-02	3.50E-06	1.49E-06
5920 485948.34, 3858608.58	7.10E-03	2.24E-06	9.51E-07	7.65E-03	2.42E-06	1.02E-06	1.20E-02	3.78E-06	1.60E-06
5921 485948.22, 3858513.59	7.68E-03	2.42E-06	1.03E-06	8.27E-03	2.61E-06	1.11E-06	1.29E-02	4.08E-06	1.73E-06
5922 485948.11, 3858418.59	8.30E-03	2.62E-06	1.11E-06	8.94E-03	2.82E-06	1.20E-06	1.40E-02	4.41E-06	1.87E-06
5923 485948, 3858323.59	9.06E-03	2.86E-06	1.21E-06	9.75E-03	3.08E-06	1.31E-06	1.52E-02	4.81E-06	2.04E-06
5924 485947.89, 3858228.6	9.85E-03	3.11E-06	1.32E-06	1.06E-02	3.35E-06	1.42E-06	1.66E-02	5.23E-06	2.22E-06
5925 485947.77, 3858133.6	1.08E-02	3.39E-06	1.44E-06	1.16E-02	3.66E-06	1.55E-06	1.81E-02	5.71E-06	2.42E-06
5926 485947.66, 3858038.61	1.20E-02	3.78E-06	1.61E-06	1.29E-02	4.08E-06	1.73E-06	2.02E-02	6.36E-06	2.70E-06
5927 485854.54, 3857943.35	1.24E-02	3.92E-06	1.66E-06	1.34E-02	4.22E-06	1.79E-06	2.09E-02	6.59E-06	2.80E-06
5928 485761.52, 3857943.09	1.18E-02	3.71E-06	1.57E-06	1.27E-02	4.00E-06	1.70E-06	1.98E-02	6.24E-06	2.65E-06
5929 485668.51, 3857942.83	1.12E-02	3.54E-06	1.50E-06	1.21E-02	3.81E-06	1.62E-06	1.88E-02	5.95E-06	2.52E-06
5930 485575.5, 3857942.56	1.06E-02	3.36E-06	1.42E-06	1.15E-02	3.62E-06	1.53E-06	1.79E-02	5.65E-06	2.40E-06
5931 485482.48, 3857942.3	1.02E-02	3.21E-06	1.36E-06	1.10E-02	3.46E-06	1.47E-06	1.71E-02	5.40E-06	2.29E-06
5932 485389.47, 3857942.04	9.75E-03	3.08E-06	1.31E-06	1.05E-02	3.31E-06	1.41E-06	1.64E-02	5.18E-06	2.20E-06
5933 485296.46, 3857941.78	9.35E-03	2.95E-06	1.25E-06	1.01E-02	3.18E-06	1.35E-06	1.57E-02	4.97E-06	2.11E-06
5934 485203.45, 3857941.52	9.02E-03	2.85E-06	1.21E-06	9.72E-03	3.07E-06	1.30E-06	1.52E-02	4.79E-06	2.03E-06
5935 485110.43, 3857941.26	8.66E-03	2.73E-06	1.16E-06	9.33E-03	2.94E-06	1.25E-06	1.46E-02	4.60E-06	1.95E-06
5936 485017.42, 3857940.99	8.31E-03	2.62E-06	1.11E-06	8.95E-03	2.82E-06	1.20E-06	1.40E-02	4.42E-06	1.87E-06
5937 484924.41, 3857940.73	7.98E-03	2.52E-06	1.07E-06	8.59E-03	2.71E-06	1.15E-06	1.34E-02	4.24E-06	1.80E-06
5938 484831.39, 3857940.47	7.70E-03	2.43E-06	1.03E-06	8.29E-03	2.62E-06	1.11E-06	1.30E-02	4.09E-06	1.74E-06
5939 484738.12, 3857859.3	7.79E-03	2.46E-06	1.04E-06	8.39E-03	2.65E-06	1.12E-06	1.31E-02	4.14E-06	1.76E-06
5940 484737.85, 3857778.4	8.22E-03	2.59E-06	1.10E-06	8.85E-03	2.79E-06	1.19E-06	1.38E-02	4.37E-06	1.85E-06
5941 484737.59, 3857697.49	8.66E-03	2.73E-06	1.16E-06	9.33E-03	2.94E-06	1.25E-06	1.46E-02	4.61E-06	1.95E-06
5942 484737.32, 3857616.59	9.11E-03	2.88E-06	1.22E-06	9.82E-03	3.10E-06	1.31E-06	1.53E-02	4.84E-06	2.06E-06
5943 484645.53, 3857535.18	9.23E-03	2.91E-06	1.24E-06	9.94E-03	3.14E-06	1.33E-06	1.55E-02	4.91E-06	2.08E-06
5944 484553.99, 3857534.67	8.84E-03	2.79E-06	1.18E-06	9.52E-03	3.01E-06	1.28E-06	1.49E-02	4.70E-06	1.99E-06
5945 484462.46, 3857534.17	8.51E-03	2.69E-06	1.14E-06	9.17E-03	2.89E-06	1.23E-06	1.43E-02	4.53E-06	1.92E-06
5946 484370.93, 3857533.66	8.19E-03	2.59E-06	1.10E-06	8.83E-03	2.79E-06	1.18E-06	1.38E-02	4.36E-06	1.85E-06
5947 484279.4, 3857533.16	7.90E-03	2.49E-06	1.06E-06	8.51E-03	2.69E-06	1.14E-06	1.33E-02	4.21E-06	1.79E-06
5948 484187.86, 3857532.65	7.62E-03	2.40E-06	1.02E-06	8.20E-03	2.59E-06	1.10E-06	1.29E-02	4.06E-06	1.72E-06
5949 484096.33, 3857532.15	7.36E-03	2.32E-06	9.86E-07	7.93E-03	2.50E-06	1.06E-06	1.24E-02	3.92E-06	1.67E-06
5950 484004.8, 3857531.64	7.10E-03	2.24E-06	9.51E-07	7.65E-03	2.41E-06	1.02E-06	1.20E-02	3.78E-06	1.61E-06
5951 483913.27, 3857531.14	6.82E-03	2.15E-06	9.14E-07	7.35E-03	2.32E-06	9.85E-07	1.15E-02	3.64E-06	1.54E-06
5952 483821.73, 3857530.63	6.59E-03	2.08E-06	8.82E-07	7.10E-03	2.24E-06	9.51E-07	1.11E-02	3.51E-06	1.49E-06
5953 483729.61, 3857450.11	6.62E-03	2.09E-06	8.86E-07	7.13E-03	2.25E-06	9.55E-07	1.12E-02	3.53E-06	1.50E-06
5954 483729.03, 3857370.08	6.92E-03	2.18E-06	9.26E-07	7.45E-03	2.35E-06	9.98E-07	1.17E-02	3.69E-06	1.57E-06
5955 483728.44, 3857290.06	7.20E-03	2.27E-06	9.64E-07	7.76E-03	2.45E-06	1.04E-06	1.22E-02	3.84E-06	1.63E-06
5956 483727.86, 3857210.03	7.49E-03	2.36E-06	1.00E-06	8.07E-03	2.55E-06	1.08E-06	1.27E-02	3.99E-06	1.69E-06
5957 483641.15, 3857129.07	7.53E-03	2.38E-06	1.01E-06	8.12E-03	2.56E-06	1.09E-06	1.27E-02	4.02E-06	1.71E-06
5958 483555.03, 3857128.14	7.27E-03	2.29E-06	9.73E-07	7.83E-03	2.47E-06	1.05E-06	1.23E-02	3.88E-06	1.65E-06
5959 483468.91, 3857127.2	6.97E-03	2.20E-06	9.34E-07	7.51E-03	2.37E-06	1.01E-06	1.18E-02	3.72E-06	1.58E-06
5960 483382.78, 3857126.26	6.76E-03	2.13E-06	9.05E-07	7.29E-03	2.30E-06	9.76E-07	1.14E-02	3.61E-06	1.53E-06
5961 483296.66, 3857125.32	6.53E-03	2.06E-06	8.74E-07	7.04E-03	2.22E-06	9.42E-07	1.11E-02	3.49E-06	1.48E-06
5962 483210.54, 3857124.39	6.30E-03	1.99E-06	8.44E-07	6.79E-03	2.14E-06	9.09E-07	1.07E-02	3.37E-06	1.43E-06
5963 483123.4, 3857030.96	6.33E-03	2.00E-06	8.48E-07	6.83E-03	2.15E-06	9.14E-07	1.07E-02	3.39E-06	1.44E-06
5964 483122.38, 3856938.46	6.61E-03	2.09E-06	8.85E-07	7.13E-03	2.25E-06	9.54E-07	1.12E-02	3.54E-06	1.50E-06
5965 483121.35, 3856845.97	6.90E-03	2.18E-06	9.24E-07	7.44E-03	2.35E-06	9.96E-07	1.17E-02	3.69E-06	1.57E-06
5966 483120.33, 3856753.47	7.15E-03	2.26E-06	9.58E-07	7.71E-03	2.43E-06	1.03E-06	1.21E-02	3.83E-06	1.62E-06
5967 483119.31, 3856660.98	7.41E-03	2.34E-06	9.93E-07	7.99E-03	2.52E-06	1.07E-06	1.26E-02	3.97E-06	1.68E-06
5968 483118.29, 3856568.49	7.71E-03	2.43E-06	1.03E-06	8.32E-03	2.62E-06	1.11E-06	1.31E-02	4.13E-06	1.75E-06
5969 483117.26, 3856475.99	8.05E-03	2.54E-06	1.08E-06	8.68E-03	2.74E-06	1.16E-06	1.37E-02	4.31E-06	1.83E-06
5970 483116.24, 3856383.5	8.38E-03	2.64E-06	1.12E-06	9.03E-03	2.85E-06	1.21E-06	1.42E-02	4.49E-06	1.90E-06
5971 483115.22, 3856291.01	8.74E-03	2.76E-06	1.17E-06	9.42E-03	2.97E-06	1.26E-06	1.48E-02	4.68E-06	1.99E-06
5972 483114.2, 3856198.51	9.08E-03	2.87E-06	1.22E-06	9.79E-03	3.09E-06	1.31E-06	1.54E-02	4.87E-06	2.06E-06
5973 483113.17, 3856106.02	9.55E-03	3.02E-06	1.28E-06	1.03E-02	3.25E-06	1.38E-06	1.62E-02	5.12E-06	2.17E-06
5974 483112.15, 3856013.52	9.99E-03	3.15E-06	1.34E-06	1.08E-02	3.40E-06	1.44E-06	1.70E-02	5.36E-06	2.27E-06

5975 483029.25, 3855920.47	1.00E-02	3.16E-06	1.34E-06	1.08E-02	3.40E-06	1.44E-06	1.70E-02	5.37E-06	2.28E-06
5976 482947.37, 3855919.91	9.50E-03	3.00E-06	1.27E-06	1.02E-02	3.23E-06	1.37E-06	1.62E-02	5.10E-06	2.16E-06
5977 482865.49, 3855919.36	9.01E-03	2.84E-06	1.21E-06	9.72E-03	3.07E-06	1.30E-06	1.54E-02	4.85E-06	2.06E-06
5978 482783.61, 3855918.8	8.60E-03	2.72E-06	1.15E-06	9.28E-03	2.93E-06	1.24E-06	1.47E-02	4.63E-06	1.96E-06
5979 482700.33, 3855818.39	8.53E-03	2.69E-06	1.14E-06	9.20E-03	2.90E-06	1.23E-06	1.46E-02	4.59E-06	1.95E-06
5980 482698.92, 3855718.54	8.94E-03	2.82E-06	1.20E-06	9.64E-03	3.04E-06	1.29E-06	1.53E-02	4.82E-06	2.04E-06
5981 482697.52, 3855618.68	9.32E-03	2.94E-06	1.25E-06	1.01E-02	3.18E-06	1.35E-06	1.59E-02	5.03E-06	2.13E-06
5982 482696.11, 3855518.83	9.82E-03	3.10E-06	1.32E-06	1.06E-02	3.34E-06	1.42E-06	1.68E-02	5.31E-06	2.25E-06
5983 482694.71, 3855418.98	1.03E-02	3.24E-06	1.38E-06	1.11E-02	3.50E-06	1.48E-06	1.76E-02	5.56E-06	2.36E-06
5984 482693.3, 3855319.13	1.08E-02	3.40E-06	1.44E-06	1.16E-02	3.67E-06	1.56E-06	1.85E-02	5.84E-06	2.48E-06
5985 482691.9, 3855219.27	1.14E-02	3.59E-06	1.52E-06	1.23E-02	3.88E-06	1.65E-06	1.96E-02	6.18E-06	2.62E-06
5986 482690.49, 3855119.42	1.20E-02	3.78E-06	1.60E-06	1.29E-02	4.08E-06	1.73E-06	2.07E-02	6.52E-06	2.77E-06
5987 482689.09, 3855019.57	1.29E-02	4.06E-06	1.72E-06	1.39E-02	4.38E-06	1.86E-06	2.23E-02	7.02E-06	2.98E-06
5988 482687.68, 3854919.72	1.36E-02	4.30E-06	1.82E-06	1.47E-02	4.65E-06	1.97E-06	2.37E-02	7.47E-06	3.17E-06
5989 482686.28, 3854819.86	1.46E-02	4.61E-06	1.96E-06	1.58E-02	4.99E-06	2.12E-06	2.55E-02	8.04E-06	3.41E-06
5990 482684.88, 3854720.01	1.54E-02	4.85E-06	2.06E-06	1.66E-02	5.25E-06	2.23E-06	2.69E-02	8.49E-06	3.60E-06
5991 482683.47, 3854620.16	1.63E-02	5.15E-06	2.18E-06	1.77E-02	5.57E-06	2.37E-06	2.87E-02	9.06E-06	3.84E-06
5992 482682.07, 3854520.31	1.67E-02	5.26E-06	2.23E-06	1.81E-02	5.70E-06	2.42E-06	2.95E-02	9.30E-06	3.95E-06
5993 482680.66, 3854420.45	1.65E-02	5.20E-06	2.21E-06	1.79E-02	5.64E-06	2.39E-06	2.92E-02	9.22E-06	3.91E-06
5994 482679.26, 3854320.6	1.58E-02	4.98E-06	2.11E-06	1.71E-02	5.40E-06	2.29E-06	2.81E-02	8.87E-06	3.77E-06
5995 482677.85, 3854220.75	1.53E-02	4.83E-06	2.05E-06	1.66E-02	5.23E-06	2.22E-06	2.72E-02	8.59E-06	3.64E-06
5996 482676.45, 3854120.9	1.38E-02	4.35E-06	1.84E-06	1.49E-02	4.71E-06	2.00E-06	2.44E-02	7.71E-06	3.27E-06
5997 482675.04, 3854021.04	1.23E-02	3.89E-06	1.65E-06	1.33E-02	4.21E-06	1.79E-06	2.17E-02	6.84E-06	2.90E-06
5998 482673.64, 3853921.19	1.07E-02	3.39E-06	1.44E-06	1.16E-02	3.66E-06	1.55E-06	1.86E-02	5.87E-06	2.49E-06
5999 482672.23, 3853821.34	9.36E-03	2.95E-06	1.25E-06	1.01E-02	3.18E-06	1.35E-06	1.58E-02	4.99E-06	2.12E-06
6000 482670.83, 3853721.49	7.86E-03	2.48E-06	1.05E-06	8.43E-03	2.66E-06	1.13E-06	1.28E-02	4.05E-06	1.72E-06
6001 482669.42, 3853621.63	6.48E-03	2.04E-06	8.67E-07	6.92E-03	2.18E-06	9.27E-07	1.02E-02	3.22E-06	1.36E-06
6002 482645.99, 3853446.13	4.47E-03	1.41E-06	5.99E-07	4.78E-03	1.51E-06	6.40E-07	7.10E-03	2.24E-06	9.50E-07
6003 482623.97, 3853370.49	3.80E-03	1.20E-06	5.09E-07	4.08E-03	1.29E-06	5.46E-07	6.17E-03	1.95E-06	8.27E-07
6004 482601.94, 3853294.84	3.36E-03	1.06E-06	4.51E-07	3.61E-03	1.14E-06	4.84E-07	5.53E-03	1.75E-06	7.41E-07
6005 482531.29, 3853133.44	2.78E-03	8.78E-07	3.72E-07	2.99E-03	9.44E-07	4.01E-07	4.63E-03	1.46E-06	6.21E-07
6006 482482.68, 3853047.69	2.57E-03	8.12E-07	3.44E-07	2.77E-03	8.73E-07	3.71E-07	4.30E-03	1.36E-06	5.75E-07
6007 482383.09, 3852897.4	2.28E-03	7.19E-07	3.05E-07	2.45E-03	7.74E-07	3.28E-07	3.82E-03	1.21E-06	5.11E-07
6008 482265.64, 3852765.26	2.09E-03	6.59E-07	2.80E-07	2.25E-03	7.10E-07	3.01E-07	3.51E-03	1.11E-06	4.70E-07
6009 482199.16, 3852697.66	2.01E-03	6.34E-07	2.69E-07	2.16E-03	6.83E-07	2.90E-07	3.38E-03	1.07E-06	4.52E-07
6010 482132.69, 3852630.07	1.93E-03	6.10E-07	2.59E-07	2.08E-03	6.57E-07	2.79E-07	3.25E-03	1.03E-06	4.36E-07
6011 482066.21, 3852562.48	1.86E-03	5.88E-07	2.49E-07	2.01E-03	6.33E-07	2.69E-07	3.14E-03	9.90E-07	4.20E-07
6012 481999.74, 3852494.89	1.80E-03	5.67E-07	2.40E-07	1.93E-03	6.10E-07	2.59E-07	3.02E-03	9.54E-07	4.05E-07
6013 481933.26, 3852427.29	1.73E-03	5.47E-07	2.32E-07	1.87E-03	5.89E-07	2.50E-07	2.92E-03	9.21E-07	3.91E-07
6014 481866.79, 3852359.7	1.67E-03	5.28E-07	2.24E-07	1.80E-03	5.69E-07	2.41E-07	2.82E-03	8.90E-07	3.78E-07
6015 481800.31, 3852292.11	1.62E-03	5.10E-07	2.16E-07	1.74E-03	5.49E-07	2.33E-07	2.72E-03	8.60E-07	3.65E-07
6016 481733.84, 3852224.52	1.56E-03	4.93E-07	2.09E-07	1.68E-03	5.31E-07	2.25E-07	2.63E-03	8.32E-07	3.53E-07
6017 481667.36, 3852156.92	1.51E-03	4.76E-07	2.02E-07	1.63E-03	5.13E-07	2.18E-07	2.55E-03	8.04E-07	3.41E-07
6018 481600.89, 3852089.33	1.46E-03	4.62E-07	1.96E-07	1.58E-03	4.97E-07	2.11E-07	2.47E-03	7.79E-07	3.31E-07
6019 481534.41, 3852021.74	1.42E-03	4.48E-07	1.90E-07	1.53E-03	4.83E-07	2.05E-07	2.40E-03	7.57E-07	3.21E-07
6020 481467.94, 3851954.15	1.38E-03	4.35E-07	1.85E-07	1.49E-03	4.69E-07	1.99E-07	2.33E-03	7.35E-07	3.12E-07
6021 481401.46, 3851886.55	1.34E-03	4.22E-07	1.79E-07	1.44E-03	4.55E-07	1.93E-07	2.26E-03	7.13E-07	3.03E-07
6022 481265.87, 3851761.43	1.27E-03	4.01E-07	1.70E-07	1.37E-03	4.33E-07	1.84E-07	2.15E-03	6.78E-07	2.88E-07
6023 481196.74, 3851703.89	1.24E-03	3.93E-07	1.67E-07	1.34E-03	4.23E-07	1.80E-07	2.10E-03	6.63E-07	2.82E-07
6024 481076.33, 3851619.05	1.21E-03	3.81E-07	1.62E-07	1.30E-03	4.11E-07	1.74E-07	2.04E-03	6.45E-07	2.74E-07
6025 480939.8, 3851549.07	1.18E-03	3.73E-07	1.58E-07	1.27E-03	4.02E-07	1.71E-07	2.00E-03	6.32E-07	2.68E-07
6026 480854.56, 3851506.41	1.17E-03	3.68E-07	1.56E-07	1.26E-03	3.97E-07	1.68E-07	1.98E-03	6.24E-07	2.65E-07
6027 480769.32, 3851463.75	1.15E-03	3.64E-07	1.55E-07	1.24E-03	3.93E-07	1.67E-07	1.96E-03	6.18E-07	2.62E-07
6028 480684.08, 3851421.08	1.14E-03	3.60E-07	1.53E-07	1.23E-03	3.88E-07	1.65E-07	1.93E-03	6.11E-07	2.59E-07
6029 480598.84, 3851378.42	1.13E-03	3.55E-07	1.51E-07	1.21E-03	3.83E-07	1.62E-07	1.91E-03	6.03E-07	2.56E-07
6030 480435.71, 3851275.01	1.09E-03	3.43E-07	1.45E-07	1.17E-03	3.69E-07	1.57E-07	1.85E-03	5.83E-07	2.47E-07
6031 480347.85, 3851232.36	1.07E-03	3.37E-07	1.43E-07	1.15E-03	3.64E-07	1.54E-07	1.82E-03	5.74E-07	2.44E-07
6032 480260, 3851189.72	1.05E-03	3.31E-07	1.41E-07	1.13E-03	3.57E-07	1.52E-07	1.79E-03	5.65E-07	2.40E-07
6033 480172.15, 3851147.07	1.03E-03	3.25E-07	1.38E-07	1.11E-03	3.51E-07	1.49E-07	1.76E-03	5.54E-07	2.35E-07
6034 480084.29, 3851104.42	1.01E-03	3.18E-07	1.35E-07	1.09E-03	3.43E-07	1.46E-07	1.72E-03	5.43E-07	2.30E-07
6035 479996.44, 3851061.77	9.85E-04	3.11E-07	1.32E-07	1.06E-03	3.35E-07	1.42E-07	1.68E-03	5.30E-07	2.25E-07

6036 479908.58, 3851019.13	9.55E-04	3.02E-07	1.28E-07	1.03E-03	3.25E-07	1.38E-07	1.63E-03	5.15E-07	2.18E-07
6037 479820.73, 3850976.48	9.29E-04	2.93E-07	1.24E-07	1.00E-03	3.16E-07	1.34E-07	1.58E-03	5.00E-07	2.12E-07
6038 479732.88, 3850933.83	9.00E-04	2.84E-07	1.21E-07	9.71E-04	3.07E-07	1.30E-07	1.54E-03	4.85E-07	2.06E-07
6039 479645.02, 3850891.18	8.73E-04	2.75E-07	1.17E-07	9.41E-04	2.97E-07	1.26E-07	1.49E-03	4.70E-07	1.99E-07
6040 479557.17, 3850848.54	8.45E-04	2.67E-07	1.13E-07	9.12E-04	2.88E-07	1.22E-07	1.44E-03	4.55E-07	1.93E-07
6041 479469.32, 3850805.89	8.14E-04	2.57E-07	1.09E-07	8.78E-04	2.77E-07	1.18E-07	1.39E-03	4.38E-07	1.86E-07
6042 479381.46, 3850763.24	7.88E-04	2.49E-07	1.06E-07	8.50E-04	2.68E-07	1.14E-07	1.34E-03	4.23E-07	1.80E-07
6043 479293.61, 3850720.59	7.65E-04	2.41E-07	1.02E-07	8.25E-04	2.60E-07	1.10E-07	1.30E-03	4.10E-07	1.74E-07
6044 479205.76, 3850677.95	7.40E-04	2.34E-07	9.91E-08	7.98E-04	2.52E-07	1.07E-07	1.26E-03	3.97E-07	1.68E-07
6045 479117.9, 3850635.3	7.17E-04	2.26E-07	9.61E-08	7.73E-04	2.44E-07	1.04E-07	1.22E-03	3.84E-07	1.63E-07
6046 479030.05, 3850592.65	6.94E-04	2.19E-07	9.29E-08	7.48E-04	2.36E-07	1.00E-07	1.17E-03	3.71E-07	1.57E-07
6047 478942.19, 3850550	6.65E-04	2.10E-07	8.91E-08	7.17E-04	2.26E-07	9.60E-08	1.13E-03	3.55E-07	1.51E-07
6048 478854.34, 3850507.36	6.26E-04	1.98E-07	8.39E-08	6.75E-04	2.13E-07	9.04E-08	1.06E-03	3.35E-07	1.42E-07
6049 478766.49, 3850464.71	5.98E-04	1.89E-07	8.00E-08	6.44E-04	2.03E-07	8.63E-08	1.01E-03	3.20E-07	1.36E-07
6050 478678.63, 3850422.06	5.73E-04	1.81E-07	7.67E-08	6.17E-04	1.95E-07	8.27E-08	9.70E-04	3.06E-07	1.30E-07
6051 478590.78, 3850379.41	5.49E-04	1.73E-07	7.35E-08	5.91E-04	1.87E-07	7.92E-08	9.29E-04	2.93E-07	1.24E-07
6052 478502.93, 3850336.77	5.29E-04	1.67E-07	7.08E-08	5.70E-04	1.80E-07	7.63E-08	8.96E-04	2.83E-07	1.20E-07
6053 478415.07, 3850294.12	5.12E-04	1.62E-07	6.86E-08	5.52E-04	1.74E-07	7.39E-08	8.67E-04	2.74E-07	1.16E-07
6054 478327.22, 3850251.47	4.93E-04	1.56E-07	6.60E-08	5.31E-04	1.68E-07	7.12E-08	8.35E-04	2.63E-07	1.12E-07
6055 478239.36, 3850208.82	4.77E-04	1.51E-07	6.39E-08	5.14E-04	1.62E-07	6.88E-08	8.08E-04	2.55E-07	1.08E-07
6056 478151.51, 3850166.18	4.64E-04	1.46E-07	6.21E-08	5.00E-04	1.58E-07	6.69E-08	7.85E-04	2.48E-07	1.05E-07
6057 478063.66, 3850123.53	4.51E-04	1.42E-07	6.04E-08	4.86E-04	1.54E-07	6.51E-08	7.64E-04	2.41E-07	1.02E-07
6058 477975.8, 3850080.88	4.54E-04	1.43E-07	6.08E-08	4.89E-04	1.54E-07	6.55E-08	7.67E-04	2.42E-07	1.03E-07
6059 477887.95, 3850038.23	4.48E-04	1.41E-07	6.00E-08	4.83E-04	1.52E-07	6.46E-08	7.57E-04	2.39E-07	1.01E-07
6060 477800.1, 3849995.59	4.44E-04	1.40E-07	5.95E-08	4.79E-04	1.51E-07	6.41E-08	7.50E-04	2.37E-07	1.00E-07
6061 477712.24, 3849952.94	4.37E-04	1.38E-07	5.86E-08	4.71E-04	1.49E-07	6.31E-08	7.38E-04	2.33E-07	9.89E-08
6062 477624.39, 3849910.29	4.31E-04	1.36E-07	5.78E-08	4.65E-04	1.47E-07	6.23E-08	7.28E-04	2.30E-07	9.75E-08
6063 477536.54, 3849867.64	4.27E-04	1.35E-07	5.72E-08	4.60E-04	1.45E-07	6.16E-08	7.20E-04	2.27E-07	9.64E-08
6064 477448.68, 3849825	4.21E-04	1.33E-07	5.63E-08	4.53E-04	1.43E-07	6.07E-08	7.10E-04	2.24E-07	9.50E-08
6065 477360.83, 3849782.35	4.16E-04	1.31E-07	5.56E-08	4.48E-04	1.41E-07	5.99E-08	7.01E-04	2.21E-07	9.39E-08
6066 477272.97, 3849739.7	4.10E-04	1.30E-07	5.50E-08	4.42E-04	1.40E-07	5.92E-08	6.93E-04	2.19E-07	9.28E-08
6067 477185.12, 3849697.05	4.07E-04	1.28E-07	5.45E-08	4.38E-04	1.38E-07	5.87E-08	6.86E-04	2.17E-07	9.19E-08
6068 477097.27, 3849654.41	4.02E-04	1.27E-07	5.38E-08	4.33E-04	1.37E-07	5.79E-08	6.79E-04	2.14E-07	9.09E-08
6069 477009.41, 3849611.76	3.94E-04	1.24E-07	5.27E-08	4.24E-04	1.34E-07	5.68E-08	6.66E-04	2.10E-07	8.92E-08
6070 476841.49, 3849530.08	3.86E-04	1.22E-07	5.17E-08	4.16E-04	1.31E-07	5.57E-08	6.53E-04	2.06E-07	8.75E-08
6071 476761.41, 3849491.05	3.83E-04	1.21E-07	5.13E-08	4.13E-04	1.30E-07	5.53E-08	6.49E-04	2.05E-07	8.69E-08
6072 476681.34, 3849452.02	3.79E-04	1.20E-07	5.08E-08	4.09E-04	1.29E-07	5.48E-08	6.43E-04	2.03E-07	8.61E-08
6073 476601.26, 3849412.99	3.75E-04	1.18E-07	5.02E-08	4.04E-04	1.27E-07	5.41E-08	6.35E-04	2.00E-07	8.50E-08
6074 476456.32, 3849353.67	3.65E-04	1.15E-07	4.89E-08	3.94E-04	1.24E-07	5.28E-08	6.20E-04	1.96E-07	8.30E-08
6075 476305.43, 3849318.84	3.69E-04	1.16E-07	4.94E-08	3.98E-04	1.25E-07	5.32E-08	6.25E-04	1.97E-07	8.37E-08
6076 476129.36, 3849289.99	3.70E-04	1.17E-07	4.96E-08	3.99E-04	1.26E-07	5.35E-08	6.28E-04	1.98E-07	8.41E-08
6077 476039.31, 3849275.68	3.71E-04	1.17E-07	4.97E-08	4.00E-04	1.26E-07	5.36E-08	6.30E-04	1.99E-07	8.43E-08
6078 475949.26, 3849261.38	3.67E-04	1.16E-07	4.92E-08	3.96E-04	1.25E-07	5.30E-08	6.23E-04	1.97E-07	8.34E-08
6079 475859.21, 3849247.08	3.67E-04	1.16E-07	4.91E-08	3.95E-04	1.25E-07	5.29E-08	6.22E-04	1.96E-07	8.33E-08
6080 475769.16, 3849232.77	3.65E-04	1.15E-07	4.89E-08	3.93E-04	1.24E-07	5.27E-08	6.20E-04	1.96E-07	8.30E-08
6081 475585.23, 3849219.27	3.21E-04	1.01E-07	4.29E-08	3.46E-04	1.09E-07	4.63E-08	5.46E-04	1.72E-07	7.31E-08
6082 475444.5, 3849150.35	3.43E-04	1.08E-07	4.60E-08	3.70E-04	1.17E-07	4.96E-08	5.84E-04	1.84E-07	7.82E-08
6083 475334.18, 3849118.71	3.47E-04	1.09E-07	4.64E-08	3.74E-04	1.18E-07	5.01E-08	5.90E-04	1.86E-07	7.90E-08
6084 475230.47, 3849060.57	3.43E-04	1.08E-07	4.59E-08	3.69E-04	1.17E-07	4.95E-08	5.83E-04	1.84E-07	7.80E-08
6085 475110.86, 3848960.97	3.34E-04	1.05E-07	4.47E-08	3.60E-04	1.14E-07	4.82E-08	5.67E-04	1.79E-07	7.60E-08
6086 475037.79, 3848896.28	3.25E-04	1.03E-07	4.36E-08	3.51E-04	1.11E-07	4.70E-08	5.54E-04	1.75E-07	7.41E-08
6087 474964.72, 3848831.59	3.18E-04	1.00E-07	4.26E-08	3.43E-04	1.08E-07	4.59E-08	5.41E-04	1.71E-07	7.24E-08
6088 474891.65, 3848766.9	3.13E-04	9.87E-08	4.19E-08	3.37E-04	1.06E-07	4.52E-08	5.32E-04	1.68E-07	7.13E-08
6089 474818.58, 3848702.22	3.09E-04	9.76E-08	4.14E-08	3.33E-04	1.05E-07	4.46E-08	5.26E-04	1.66E-07	7.04E-08
6090 474745.51, 3848637.53	3.11E-04	9.82E-08	4.17E-08	3.36E-04	1.06E-07	4.49E-08	5.29E-04	1.67E-07	7.09E-08
6091 474672.44, 3848572.84	3.09E-04	9.76E-08	4.14E-08	3.33E-04	1.05E-07	4.46E-08	5.26E-04	1.66E-07	7.04E-08
6092 474599.37, 3848508.15	3.03E-04	9.55E-08	4.05E-08	3.26E-04	1.03E-07	4.37E-08	5.15E-04	1.62E-07	6.89E-08
6093 474526.3, 3848443.46	2.98E-04	9.42E-08	4.00E-08	3.22E-04	1.02E-07	4.31E-08	5.07E-04	1.60E-07	6.79E-08

							2028 - RD						2033 - RD						2048 - RD					
	Period						Rates (g/s):	1.88E-03	8.77E-05	1.98E-06	1.12E-06		Rates (g/s)	2.30E-03	1.08E-04	1.96E-06	6.25E-07		Rates (g/s)	2.03E-03	8.27E-05	1.90E-06	6.46E-07	
	Concentration [ug/m^3] at 1 g/s						Concentration [ug/m^3]												Concentration [ug/m^3]					
X, Y	IMF (SLINE4)	IMF-Idle (PARE	IMF-Switchers (F	IMF-Trucks (SLIN	IMF-Truck-Idle (PA	REA5)	IMF	IMF-Idle	IMF-Trucks	IMF-Truck-Id	Total		IMF	IMF-Idle	IMF-Trucks	IMF-Truck-Ic	Total		IMF	IMF-Idle	IMF-Trucks	IMF-Truck-Id	Total	
1 485973.61, 3854936.51	0.56541	0.92314	0.47664	0.52785	0.11869		1.06E-03	8.098E-05	1.0477E-06	1.326E-07	1.14E-03		1.30E-03	9.92E-05	1.03E-06	7.42E-08	1.40E-03		1.15E-03	7.634E-05	1.004E-06	7.667E-08	0.0012254	
2 486023.61, 3854936.51	0.54183	0.87107	0.45868	0.50793	0.1188		1.02E-03	7.642E-05	1.0081E-06	1.327E-07	1.10E-03		1.25E-03	9.36E-05	9.95E-07	7.43E-08	1.34E-03		1.10E-03	7.204E-05	9.662E-07	7.674E-08	0.0011732	
3 486073.61, 3854936.51	0.524	0.8297	0.44607	0.49377	0.11947		9.85E-04	7.279E-05	9.8004E-07	1.335E-07	1.06E-03		1.21E-03	8.92E-05	9.67E-07	7.47E-08	1.30E-03		1.06E-03	6.862E-05	9.393E-07	7.717E-08	0.0011336	
4 486123.61, 3854936.51	0.49656	0.77465	0.42343	0.46889	0.1184		9.33E-04	6.796E-05	9.3066E-07	1.323E-07	1.00E-03		1.14E-03	8.33E-05	9.19E-07	7.41E-08	1.23E-03		1.01E-03	6.406E-05	8.919E-07	7.648E-08	0.0010732	
5 486173.61, 3854936.51	0.48684	0.74851	0.41807	0.46255	0.11971		9.15E-04	6.566E-05	9.1808E-07	1.338E-07	9.82E-04		1.12E-03	8.05E-05	9.06E-07	7.49E-08	1.20E-03		9.88E-04	6.19E-05	8.799E-07	7.733E-08	0.0010513	
6 486223.61, 3854936.51	0.46831	0.71014	0.40362	0.44643	0.11941		8.80E-04	6.23E-05	8.8608E-07	1.334E-07	9.43E-04		1.08E-03	7.63E-05	8.75E-07	7.47E-08	1.16E-03		9.51E-04	5.873E-05	8.492E-07	7.714E-08	0.0010105	
7 486273.61, 3854936.51	0.4536	0.6788	0.39272	0.43411	0.11947		8.52E-04	5.955E-05	8.6163E-07	1.335E-07	9.13E-04		1.04E-03	7.30E-05	8.50E-07	7.47E-08	1.12E-03		9.21E-04	5.614E-05	8.258E-07	7.717E-08	0.000978	
8 486323.61, 3854936.51	0.44054	0.65092	0.3832	0.4233	0.11959		8.28E-04	5.71E-05	8.4017E-07	1.336E-07	8.86E-04		1.01E-03	7.00E-05	8.29E-07	7.48E-08	1.09E-03		8.94E-04	5.383E-05	8.052E-07	7.725E-08	0.0009492	
9 485973.61, 3854986.51	0.61269	0.95262	0.531	0.5973	0.14266		1.15E-03	8.357E-05	1.1855E-06	1.594E-07	1.24E-03		1.41E-03	1.02E-04	1.17E-06	8.92E-08	1.51E-03		1.24E-03	7.878E-05	1.136E-06	9.215E-08	0.001324	
10 486023.61, 3854986.51	0.58908	0.90219	0.51273	0.57612	0.14247		1.11E-03	7.915E-05	1.1435E-06	1.592E-07	1.19E-03		1.36E-03	9.70E-05	1.13E-06	8.91E-08	1.45E-03		1.20E-03	7.461E-05	1.096E-06	9.203E-08	0.0012719	
11 486073.61, 3854986.51	0.56394	0.85093	0.49236	0.5529	0.14166		1.06E-03	7.465E-05	1.0974E-06	1.583E-07	1.14E-03		1.30E-03	9.15E-05	1.08E-06	8.86E-08	1.39E-03		1.15E-03	7.037E-05	1.052E-06	9.151E-08	0.0012165	
12 486123.61, 3854986.51	0.54081	0.80422	0.47367	0.53155	0.14076		1.02E-03	7.055E-05	1.055E-06	1.573E-07	1.09E-03		1.25E-03	8.65E-05	1.04E-06	8.80E-08	1.33E-03		1.10E-03	6.651E-05	1.011E-06	9.093E-08	0.0011657	
13 486173.61, 3854986.51	0.5251	0.7697	0.46225	0.51808	0.14088		9.87E-04	6.752E-05	1.0283E-06	1.574E-07	1.06E-03		1.21E-03	8.27E-05	1.01E-06	8.81E-08	1.29E-03		1.07E-03	6.365E-05	9.855E-07	9.1E-08	0.0011309	
14 486223.61, 3854986.51	0.50388	0.72867	0.44477	0.49811	0.13974		9.47E-04	6.392E-05	9.8866E-07	1.561E-07	1.01E-03		1.16E-03	7.83E-05	9.76E-07	8.74E-08	1.24E-03		1.02E-03	6.026E-05	9.475E-07	9.027E-08	0.0010844	
15 486273.61, 3854986.51	0.48245	0.68887	0.42684	0.4777	0.13827		9.07E-04	6.043E-05	9.4815E-07	1.545E-07	9.68E-04		1.11E-03	7.41E-05	9.36E-07	8.65E-08	1.19E-03		9.80E-04	5.697E-05	9.087E-07	8.932E-08	0.0010375	
16 486323.61, 3854986.51	0.47533	0.66996	0.42327	0.47285	0.1392		8.93E-04	5.877E-05	9.3852E-07	1.555E-07	9.53E-04		1.09E-03	7.20E-05	9.26E-07	8.71E-08	1.17E-03		9.65E-04	5.54E-05	8.995E-07	8.992E-08	0.0010215	
17 485973.61, 3855036.51	0.66415	0.97191	0.5914	0.67369	0.17183		1.25E-03	8.526E-05	1.3372E-06	1.92E-07	1.33E-03		1.53E-03	1.04E-04	1.32E-06	1.07E-07	1.64E-03		1.35E-03	8.038E-05	1.282E-06	1.11E-07	0.0014302	
18 486023.61, 3855036.51	0.63585	0.91752	0.56779	0.64587	0.17017		1.19E-03	8.049E-05	1.2819E-06	1.901E-07	1.28E-03		1.46E-03	9.86E-05	1.27E-06	1.06E-07	1.56E-03		1.29E-03	7.588E-05	1.229E-06	1.099E-07	0.0013682	
19 486073.61, 3855036.51	0.60499	0.86112	0.54092	0.61487	0.16762		1.14E-03	7.554E-05	1.2204E-06	1.873E-07	1.21E-03		1.39E-03	9.26E-05	1.20E-06	1.05E-07	1.49E-03		1.23E-03	7.121E-05	1.17E-06	1.083E-07	0.0013009	
20 486123.61, 3855036.51	0.58036	0.81482	0.52035	0.59074	0.16585		1.09E-03	7.148E-05	1.1725E-06	1.853E-07	1.16E-03		1.34E-03	8.76E-05	1.16E-06	1.04E-07	1.43E-03		1.18E-03	6.738E-05	1.124E-06	1.071E-07	0.001247	
21 486173.61, 3855036.51	0.56331	0.78006	0.50744	0.57497	0.16523		1.06E-03	6.843E-05	1.1412E-06	1.846E-07	1.13E-03		1.30E-03	8.39E-05	1.13E-06	1.03E-07	1.38E-03		1.14E-03	6.451E-05	1.094E-06	1.067E-07	0.0012094	
22 486223.61, 3855036.51	0.53747	0.73501	0.48478	0.54888	0.16253		1.01E-03	6.448E-05	1.0894E-06	1.816E-07	1.08E-03		1.24E-03	7.90E-05	1.08E-06	1.02E-07	1.32E-03		1.09E-03	6.078E-05	1.044E-06	1.05E-07	0.0011532	
23 486273.61, 3855036.51	0.52424	0.7078	0.47516	0.5369	0.16212		9.85E-04	6.209E-05	1.0656E-06	1.811E-07	1.05E-03		1.21E-03	7.61E-05	1.05E-06	1.01E-07	1.28E-03		1.06E-03	5.853E-05	1.021E-06	1.047E-07	0.0011241	
24 486323.61, 3855036.51	0.50497	0.67395	0.45885	0.51784	0.16025		9.49E-04	5.912E-05	1.0278E-06	1.79E-07	1.01E-03		1.16E-03	7.25E-05	1.01E-06	1.00E-07	1.24E-03		1.03E-03	5.573E-05	9.851E-07	1.035E-07	0.0010821	
25 485973.61, 3855086.51	0.71485	0.97486	0.65252	0.75124	0.20578		1.34E-03	8.552E-05	1.4911E-06	2.299E-07	1.43E-03		1.65E-03	1.05E-04	1.47E-06	1.29E-07	1.75E-03		1.45E-03	8.062E-05	1.429E-06	1.329E-07	0.0015336	
26 486023.61, 3855086.51	0.68695	0.92505	0.62904	0.72248	0.20317		1.29E-03	8.115E-05	1.434E-06	2.27E-07	1.37E-03		1.58E-03	9.94E-05	1.42E-06	1.27E-07	1.68E-03		1.39E-03	7.65E-05	1.374E-06	1.312E-07	0.0014728	
27 486073.61, 3855086.51	0.65221	0.86783	0.59733	0.68548	0.19863		1.23E-03	7.613E-05	1.3606E-06	2.219E-07	1.30E-03		1.50E-03	9.33E-05	1.34E-06	1.24E-07	1.60E-03		1.32E-03	7.177E-05	1.304E-06	1.283E-07	0.0013974	
28 486123.61, 3855086.51	0.62856	0.82589	0.57756	0.66142	0.1962		1.18E-03	7.245E-05	1.3128E-06	2.192E-07	1.26E-03		1.45E-03	8.88E-05	1.30E-06	1.23E-07	1.54E-03		1.28E-03	6.83E-05	1.258E-06	1.267E-07	0.0013459	
29 486173.61, 3855086.51	0.59983	0.77891	0.55173	0.63115	0.19235		1.13E-03	6.833E-05	1.2527E-06	2.149E-07	1.20E-03		1.38E-03	8.37E-05	1.24E-06	1.20E-07	1.47E-03		1.22E-03	6.441E-05	1.201E-06	1.243E-07	0.0012836	
30 486223.61, 3855086.51	0.57888	0.74275	0.53402	0.60976	0.18988		1.09E-03	6.516E-05	1.2103E-06	2.122E-07	1.15E-03		1.33E-03	7.98E-05	1.19E-06	1.19E-07	1.41E-03		1.18E-03	6.142E-05	1.16E-06	1.227E-07	0.0012381	
31 485973.61, 3855136.51	0.77283	0.97371	0.72362	0.83963	0.24626		1.45E-03	8.542E-05	1.6665E-06	2.751E-07	1.54E-03		1.78E-03	1.05E-04	1.64E-06	1.54E-07	1.89E-03		1.57E-03	8.052E-05	1.597E-06	1.591E-07	0.0016514	
32 486023.61, 3855136.51	0.73784	0.92032	0.6916	0.80083	0.2406		1.39E-03	8.074E-05	1.5895E-06	2.688E-07	1.47E-03		1.70E-03	9.89E-05	1.57E-06	1.50E-07	1.80E-03		1.50E-03	7.611E-05	1.523E-06	1.554E-07	0.0015759	
33 486073.61, 3855136.51	0.7041	0.8694	0.66051	0.76352	0.23486		1.32E-03	7.627E-05	1.5154E-06	2.624E-07	1.40E-03		1.62E-03	9.35E-05	1.50E-06	1.47E-07	1.72E-03		1.43E-03	7.19E-05	1.452E-06	1.517E-07	0.0015031	
34 486123.61, 3855136.51	0.67462	0.82431	0.63382	0.73129	0.22983		1.27E-03	7.231E-05	1.4515E-06	2.568E-07	1.34E-03		1.55E-03	8.86E-05	1.43E-06	1.44E-07	1.64E-03		1.37E-03	6.817E-05	1.391E-06	1.485E-07	0.0014394	
35 486173.61, 3855136.51	0.64514	0.78029	0.60672	0.69894	0.2246		1.21E-03	6.845E-05	1.3873E-06	2.509E-07	1.28E-03		1.49E-03	8.39E-05	1.37E-06	1.40E-07	1.57E-03		1.31E-03	6.453E-05	1.33E-06	1.451E-07	0.0013759	
36 486223.61, 3855136.51	0.61931	0.74143	0.58333	0.67081	0.22002		1.16E-03	6.504E-05	1.3314E-06	2.458E-07	1.23E-03		1.43E-03	7.97E-05	1.31E-06	1.38E-07	1.51E-03		1.26E-03	6.132E-05	1.276E-06	1.421E-07	0.0013202	
37 485973.61, 3855186.51	0.83268	0.96216	0.79871	0.93286	0.29219		1.56E-03	8.441E-05	1.8516E-06	3.265E-07	1.65E-03		1.92E-03	1.03E-04	1.83E-06	1.83E-07	2.02E-03		1.69E-03	7.957E-05	1.775E-06	1.89E-07	0.0017722	
38 486023.61, 3855186.51	0.79541	0.91245	0.76355	0.88951	0.28405		1.49E-03	8.005E-05	1.7655E-06	3.174E-07	1.58E-03		1.83E-03	9.81E-05	1.74E-06	1.78E-07	1.93E-03		1.61E-03	7.546E-05	1.692E-06	1.835E-07	0.0016923	
39 486073.61, 3855186.51	0.7547	0.85989	0.7237	0.84192	0.27468		1.42E-03	7.544E-05	1.6711E-06	3.069E-07	1.50E-03		1.74E-03	9.24E-05	1.65E-06	1.72E-07	1.83E-03		1.53E-03	7.111E-05	1.602E-06	1.774E-07	0.0016052	
40 486123.61, 3855186.51	0.71722	0.8113	0.68738	0.79853	0.26601		1.35E-03	7.117E-05	1.5849E-06	2.972E-07	1.42E-03		1.65E-03	8.72E-05	1.56E-06	1.66E-07	1.74E-03		1.46E-03	6.709E-05	1.519E-06	1.718E-07	0.001525	
41 486173.61, 3855186.51	0.68703	0.77074	0.6591	0.76409	0.2591		1.29E-03	6.761E-05	1.5166E-06	2.895E-07	1.36E-03		1.58E-03	8.29E-05	1.50E-06	1.62E-07	1.67E-03		1.39E-03	6.374E-05	1.453E-06	1.674E-07	0.0014603	
42 486223.61, 3855186.51	0.65885	0.73303	0.63275	0.73208	0.25265		1.24E-03	6.431E-05	1.453E-06	2.823E-07	1.30E-03		1.52E-03	7.88E-05	1.43E-06	1.58E-07	1.60E-03		1.34E-03	6.062E-05	1.393E-06	1.632E-07	0.0013999	
43 486273.61, 3855186.51	0.63097	0.69653	0.60636	0.7003	0.2461		1.19E-03	6.11E-05	1.39E-06	2.75E-07	1.25E-03		1.45E-03	7.49E-05	1.37E-06	1.54E-07	1.53E-03		1.28E-03	5.76E-05	1.332E-06	1.59E-07	0.0013402	
44 486323.61, 3855186.51	0.62128	0.67892	0.60025	0.69072	0.24448		1.17E-03	5.956E-05	1.371E-06	2.732E-07	1.23E-03		1.43E-03	7.30E-05	1.35E-06	1.53E-07	1.51E-03		1.26E-03	5.615E-05	1.314E-06	1.579E-07	0.0013191	
45 485973.61, 3855236.51	0.8933	0.93945	0.87555	1.02894	0.34277		1.68E-03	8.241E-05	2.0423E-06	3.83E-07	1.76E-03		2.06E-03	1.01E-04	2.02E-06	2.14E-07	2.16E-03		1.81E-03	7.769E-05	1.957E-06	2.214E-07	0.0018936	
46 486023.61, 3855236.51	0.84682	0.88847	0.82915	0.97229	0.32958		1.59E-03	7.794E-05	1.9298E-06	3.682E-07	1.67E-03		1.95E-03	9.55E-05	1.90E-06	2.06E-07	2.05E-03		1.72E-03	7.348E-05	1.85E-06	2.129E-07	0.0017949	
47 486073.61, 3855236.51	0.802	0.83903	0.78418	0.91791	0.31687		1.51E-03	7.361E-05	1.8219E-06	3.54E-07	1.58E-03		1.85E-03	9.02E-05	1.80E-06	1.98E-07	1.94E-03		1.63E-03	6.939E-05	1.746E-06	2.047E-07	0.0016997	
48 486123.61, 3855236.51	0.76539	0.79706	0.74852	0.87416	0.30664		1.44E-03	6.992E-05	1.735E-06	3.426E-07	1.51E-03		1.76E-03	8.57E-05	1.71E-06	1.92E-07	1.85E-03		1.55E-03	6.592E-05	1.663E-06	1.981E-07	0.0016218	
49 486173.61, 3855236.51	0.73227	0.75848	0.71654	0.83489	0.29738		1.38E-03	6.654E-05	1.6571E-06	3.323E-07	1.44E-03		1.69E-03	8.15E-05	1.64E-06	1.86E-07	1.77E-03		1.49E-03	6.273E-05	1.588E-06	1.921E-07	0.0015513	
50 486223.61, 3855236.51	0.69986	0.72089	0.68492	0.79646	0.28818		1.32E-03	6.324E-05	1.5808E-06	3.22E-07	1.38E-03		1.61E-03	7.75E-05	1.56E-06	1.80E-07	1.69E-03		1.42E-03	5.962E-05	1.515E-06	1.862E-07	0.0014823	
51 486273.61, 3855236.51	0.66176	0.67877	0.64649	0.75093	0.27724		1.24E-03	5.955E-05	1.4905E-06	3.098E-07	1.30E-03		1.52E-03	7.30E-05	1.47E-06	1.73E-07	1.60E-03		1.34E-03	5.613E-05	1.428E-06	1.791E-07	0.0014014	
52 486323.61, 3855236.51	0.65894	0.66897	0.64819	0.74939	0.2768		1.24E-03	5.869E-05	1.4874E-06	3.093E-07	1.30E-03		1.52E-03	7.19E-05	1.47E-06	1.73E-07	1.59E-03		1.34E-03	5.532E-05	1.426E-06	1.788E-07	0.0013948	
53 485973.61, 3855286.51	0.95535	0.9063	0.95407	1.12788	0.39739		1.80E-03	7.951E-05	2.2386E-06	4.44E-07	1.88E-03		2.20E-03	9.74E-05	2.21E-06	2.49E-07	2.30E-03		1.94E-03	7.495E-05	2.146E-06	2.567E-07	0.0020171	
54 486023.61, 3855286.51	0.90256	0.85899	0.90024	1.06169	0.37949		1.70E-03	7.536E-05	2.1073E-06	4.24E-07	1.77E-03		2.08E-03	9.23E-05	2.08E-06	2.37E-07	2.17E-03		1.83E-03	7.104E-05	2.02E-06	2.451E-07	0.0019058	
55 486073.61, 3855286.51	0.8568	0.8165	0.85423	1.00476	0.36421		1.61E-03	7.163E-05	1.9943E-06	4.069E-07	1.68E-03		1.97E-03	8.78E-05	1.97E-06	2.28E-07	2.06E-03		1.74E-03	6.752E-05	1.911E-06	2.353E-07	0.0018093	
56 486123.61, 3855286.51	0.81257	0.77471	0.80939	0.94989	0.3495		1.53E-03	6.796E-05	1.8854E-06	3.905E-07	1.60E-03		1.87E-03	8.33E-05	1.86E-06	2.19E-07	1.96E-03		1.65E-03	6.407E-05	1.807E-06	2.258E-07	0.0017159	
57 486173.61, 3855286.51	0.77351	0.73664	0.77018	0.90182	0.33658		1.45E-03	6.462E-05	1.7899E-06	3.761E-07	1.52E-03		1.78E-03	7.92E-05	1.77E-06	2.11E-07	1.86E-03		1.57E-03	6.092E-05	1.715E-06	2.174E-07	0.0016334	
58 486223.61, 3855286.51	0.74198	0.70446	0.73939	0.86351	0.32613		1.39E-03	6.18E-05	1.7139E-06	3.644E-07	1.46E-03		1.71E-03	7.57E-05	1.69E-06	2.04E-07	1.79E-03		1.51E-03	5.826E-05	1.643E-06	2.107E-07	0.0015666	
59 486123.61, 3855336.51	0.86134	0.74619	0.87236	1.02833	0.3949		1.62E-03	6.546E-05	2.041E-06	4.412E-07	1.69E-03		1.98E-03	8.02E-05	2.01E-06	2.47E-07	2.07E-03		1.75E-03	6.171E-05	1.956E-06	2.551E-07	0.0018128	
60 486173.61, 3855336.51	0.82261	0.71444	0.83356	0.97966	0.38022		1.55E-03	6.268E-05	1.9444E-06	4.248E-07	1.61E-03		1.89E-03	7.68E-05	1.92E-06	2.38E-07	1.97E-03		1.67E-03	5.908E-05	1.864E-06	2.456E-07	0.0017314	
61 486223.61, 3855336.51	0.78506	0.68294	0.79556	0.93263	0.36607		1.48E-03	5.991E-05	1.8511E-06	4.09E-07	1.54E-03		1.81E-03	7.34E-05	1.83E-06	2.29E-07	1.88E-03		1.59E-03	5.648E-05	1.774E-06	2.365E-07	0.0016525	
62 486123.61, 3855386.51	0.91452	0.71344	0.94037	1.11269	0.44353		1.72E-03	6.259E-05	2.2085E-06	4.956E-07	1.78E-03		2.11E-03	7.67E-05	2.18E-06	2.77E-07	2.19E-03		1.86E-03	5.9E-05	2.117E-06	2.865E-07	0.0019182	
63 486173.61, 3855386.51	0.87184	0.6853	0.89707	1.058	0.42556		1.64E-03	6.012E-05	2.0999E-06	4.755E-07	1.70E-03		2.01E-03	7.37E-05	2.07E-06	2.66E-07	2.08E-03		1.77E-03	5.667E-05	2.013E-06	2.749E-07	0.0018291	
64 486223.61, 3855386.51	0.83366	0.6589	0.85839	1.00932	0.40948		1.57E-03	5.78E-05	2.0033E-06	4.575E-07	1.63E-03		1.92E-03	7.08E-05	1.98E-06	2.56E-07	1.99E-03		1.69E-03	5.449E-05	1.92E-06	2.645E-07	0.0017493	
65 486533.18, 3855443.15	0.70181	0.51265	0.73708	0.85519	0.37343		1.32E-03	4.497E-05	1.6974E-06	4.172E-07	1.37E-03		1.62E-03	5.51E-05	1.68E-06	2.34E-07	1.67E-03		1.42E-03	4.24E-05	1.627E-06	2.412E-07	0.0014692	
66 486583.18, 3855443.15	0.67622	0.49684	0.71027	0.82228	0.36165		1.27E-03	4.359E-05	1.6321E-06	4.041E-07	1.32E-03		1.56E-03	5.34E-05	1.61E-06	2.26E-07	1.61E-03		1.37E-03	4.109E-05	1.564E-06	2.336E-07	0.0014159	
67 486633.18, 3855443.15	0.65224	0.48181	0.68515	0.79145	0.35056		1.23E-03	4.227E-05	1.5709E-06	3.917E-07	1.27E-03		1.50E-03	5.18E-05	1.55E-06	2.19E-07	1.56E-03		1.32E-03	3.985E-05	1.506E-06	2.265E-07	0.0013659	
68 486683.18, 3855443.15	0.63388	0.46986	0.66638	0.76792	0.34194		1.19E-03	4.122E-05	1.5242E-06	3.821E-07	1.23E-03		1.46E-03	5.05E-05	1.50E-06	2.14E-07	1.51E-03		1.29E-03	3.886E-05	1.461E-06	2.209E-07	0.0013276	
69 486533.18, 3855493.15	0.73648	0.49287	0.78309	0.9103	0.40619		1.38E-03	4.324E-05	1.8068E-06	4.538E-07	1.43E-03		1.70E-03	5.30E-05	1.78E-06	2.54E-07	1.75E-03		1.50E-03	4.076E-05	1.732E-06	2.624E-07	0.0015381	
70 486583.18, 3855493.15	0.71072	0.4797	0.75591	0.87672	0.3935		1.34E-03	4.208E-05	1.7401E-06	4.397E-07	1.38E-03		1.64E-03	5.16E-05	1.72E-06	2.46E-07	1.69E-03		1.44E-03	3.967E-05	1.668E-06	2.542E-07	0.0014846	
71 486633.18, 3855493.15	0.68546	0.46661	0.7291	0.84379	0.38106		1.29E-03	4.093E-05	1.6748E-06	4.258E-07	1.33E-03		1.58E-03	5.02E-05	1.65E-06	2.38E-07	1.63E-03		1.39E-03	3.859E-05	1.605E-06	2.462E-07	0.0014322	
72 486683.18, 3855493.15	0.66205	0.45418	0.70425	0.81329	0.36954		1.24E-03	3.984E-05	1.6142E-06	4.129E-07	1.29E-03		1.52E-03	4.88E-05	1.59E-06	2.31E-07	1.58E-03		1.34E-03	3.756E-05	1.547E-06	2.387E-07	0.0013836	
73 486533.18, 3855543.15	0.7757	0.4726	0.83428	0.97125	0.44148		1.46E-03	4.146E-05	1.9278E-06	4.933E-07	1.50E-03		1.79E-03	5.08E-05	1.90E-06	2.76E-07	1.84E-03		1.57E-03	3.908E-05	1.848E-06	2.852E-07	0.0016162	
74 486583.18, 3855543.15	0.74219	0.45843	0.79797	0.92701	0.42445		1.39E-03	4.022E-05	1.8399E-06	4.742E-07	1.44E-03		1.71E-03	4.93E-05	1.82E-06	2.65E-07	1.76E-03		1.51E-03	3.791E-05	1.763E-06	2.742E-07	0.0015469	
75 486633.18, 3855543.15	0.71668	0.44763	0.77066	0.89341	0.41113		1.35E-03	3.927E-05	1.7733E-06	4.594E-07	1.39E-03		1.65E-03	4.81E-05	1.75E-06	2.57E-07	1.70E-03		1.46E-03	3.702E-05	1.699E-06	2.656E-07	0.0014941	
76 486683.18, 3855543.15	0.68651	0.43427	0.73775	0.85364	0.39579		1.29E-03	3.81E-05	1.6943E-06	4.422E-07	1.33E-03		1.58E-03	4.67E-05	1.67E-06	2.48E-07	1.63E-03		1.39E-03	3.591E-05	1.624E-06	2.557E-07	0.0014317	

77	486533.18, 3855593.15	0.81331	0.45014	0.88339	1.02975	0.47633	1.53E-03	3.949E-05	2.0439E-06	5.322E-07	1.57E-03	1.87E-03	4.84E-05	2.02E-06	2.98E-07	1.92E-03	1.65E-03	3.723E-05	1.959E-06	3.077E-07	0.0016908
78	486583.18, 3855593.15	0.77975	0.43838	0.84689	0.98508	0.45839	1.47E-03	3.846E-05	1.9552E-06	5.122E-07	1.51E-03	1.80E-03	4.71E-05	1.93E-06	2.87E-07	1.84E-03	1.58E-03	3.625E-05	1.874E-06	2.961E-07	0.0016216
79	486633.18, 3855593.15	0.74993	0.42793	0.81441	0.94545	0.44233	1.41E-03	3.754E-05	1.8765E-06	4.942E-07	1.45E-03	1.73E-03	4.60E-05	1.85E-06	2.77E-07	1.78E-03	1.52E-03	3.539E-05	1.798E-06	2.857E-07	0.0015601
80	486683.18, 3855593.15	0.72488	0.41915	0.78722	0.91217	0.42859	1.36E-03	3.677E-05	1.8105E-06	4.789E-07	1.40E-03	1.67E-03	4.51E-05	1.79E-06	2.68E-07	1.72E-03	1.47E-03	3.466E-05	1.735E-06	2.769E-07	0.0015085
81	486533.18, 3855643.15	0.85464	0.42872	0.93643	1.09289	0.51297	1.61E-03	3.761E-05	2.1692E-06	5.731E-07	1.65E-03	1.97E-03	4.61E-05	2.14E-06	3.21E-07	2.02E-03	1.74E-03	3.545E-05	2.079E-06	3.314E-07	0.0017731
82	486583.18, 3855643.15	0.8199	0.41858	0.89842	1.04633	0.49365	1.54E-03	3.672E-05	2.0768E-06	5.516E-07	1.58E-03	1.89E-03	4.50E-05	2.05E-06	3.09E-07	1.94E-03	1.66E-03	3.462E-05	1.99E-06	3.189E-07	0.0017016
83	486633.18, 3855643.15	0.78741	0.40914	0.86276	1.00284	0.47558	1.48E-03	3.589E-05	1.9905E-06	5.314E-07	1.52E-03	1.81E-03	4.40E-05	1.96E-06	2.97E-07	1.86E-03	1.60E-03	3.384E-05	1.908E-06	3.072E-07	0.0016348
84	486683.18, 3855643.15	0.75861	0.40079	0.83109	0.96428	0.45941	1.43E-03	3.516E-05	1.9139E-06	5.133E-07	1.46E-03	1.75E-03	4.31E-05	1.89E-06	2.87E-07	1.79E-03	1.54E-03	3.314E-05	1.834E-06	2.968E-07	0.0015755
85	486533.18, 3855693.15	0.90326	0.40977	0.99703	1.1655	0.55304	1.70E-03	3.595E-05	2.3133E-06	6.179E-07	1.74E-03	2.08E-03	4.41E-05	2.28E-06	3.46E-07	2.13E-03	1.83E-03	3.389E-05	2.217E-06	3.572E-07	0.0018704
86	486583.18, 3855693.15	0.85905	0.39859	0.94845	1.10588	0.52827	1.61E-03	3.497E-05	2.195E-06	5.902E-07	1.65E-03	1.98E-03	4.28E-05	2.17E-06	3.30E-07	2.02E-03	1.74E-03	3.296E-05	2.104E-06	3.412E-07	0.0017796
87	486633.18, 3855693.15	0.8172	0.38788	0.90216	1.0495	0.505	1.54E-03	3.403E-05	2.0831E-06	5.642E-07	1.57E-03	1.88E-03	4.17E-05	2.06E-06	3.16E-07	1.93E-03	1.66E-03	3.208E-05	1.996E-06	3.262E-07	0.0016936
88	486683.18, 3855693.15	0.79397	0.38291	0.87651	1.01825	0.49091	1.49E-03	3.359E-05	2.021E-06	5.485E-07	1.53E-03	1.83E-03	4.12E-05	1.99E-06	3.07E-07	1.87E-03	1.61E-03	3.167E-05	1.937E-06	3.171E-07	0.001646
89	486733.18, 3855693.15	0.77812	0.38023	0.85906	0.99689	0.48076	1.46E-03	3.336E-05	1.9786E-06	5.372E-07	1.50E-03	1.79E-03	4.09E-05	1.95E-06	3.01E-07	1.83E-03	1.58E-03	3.144E-05	1.896E-06	3.106E-07	0.0016135
90	486783.18, 3855693.15	0.76597	0.37849	0.84567	0.98053	0.47298	1.44E-03	3.32E-05	1.9462E-06	5.285E-07	1.48E-03	1.76E-03	4.07E-05	1.92E-06	2.96E-07	1.81E-03	1.56E-03	3.13E-05	1.865E-06	3.055E-07	0.0015887
91	486533.18, 3855743.15	0.95048	0.39109	1.05542	1.23584	0.59199	1.79E-03	3.431E-05	2.4529E-06	6.614E-07	1.82E-03	2.19E-03	4.20E-05	2.42E-06	3.70E-07	2.23E-03	1.93E-03	3.234E-05	2.351E-06	3.824E-07	0.0019649
92	486583.18, 3855743.15	0.89697	0.37917	0.99676	1.16333	0.5619	1.69E-03	3.326E-05	2.309E-06	6.278E-07	1.72E-03	2.07E-03	4.08E-05	2.28E-06	3.51E-07	2.11E-03	1.82E-03	3.136E-05	2.213E-06	3.63E-07	0.0018551
93	486633.18, 3855743.15	0.85791	0.37086	0.95343	1.11049	0.53933	1.61E-03	3.253E-05	2.2041E-06	6.026E-07	1.65E-03	1.98E-03	3.99E-05	2.18E-06	3.37E-07	2.02E-03	1.74E-03	3.067E-05	2.112E-06	3.484E-07	0.001775
94	486683.18, 3855743.15	0.83724	0.36776	0.93022	1.08258	0.52607	1.57E-03	3.226E-05	2.1487E-06	5.878E-07	1.61E-03	1.93E-03	3.95E-05	2.12E-06	3.29E-07	1.97E-03	1.70E-03	3.041E-05	2.059E-06	3.398E-07	0.0017327
95	486733.18, 3855743.15	0.81239	0.36344	0.90246	1.04892	0.51098	1.53E-03	3.188E-05	2.0819E-06	5.709E-07	1.56E-03	1.87E-03	3.91E-05	2.05E-06	3.20E-07	1.91E-03	1.65E-03	3.006E-05	1.995E-06	3.301E-07	0.0016818
96	486783.18, 3855743.15	0.80313	0.36345	0.8917	1.03641	0.50451	1.51E-03	3.188E-05	2.0571E-06	5.637E-07	1.54E-03	1.85E-03	3.91E-05	2.03E-06	3.16E-07	1.89E-03	1.63E-03	3.006E-05	1.972E-06	3.259E-07	0.001663
97	486533.18, 3855793.15	1.00275	0.3747	1.11849	1.31264	0.63289	1.88E-03	3.287E-05	2.6053E-06	7.071E-07	1.92E-03	2.31E-03	4.03E-05	2.57E-06	3.96E-07	2.35E-03	2.04E-03	3.099E-05	2.497E-06	4.088E-07	0.0020699
98	486583.18, 3855793.15	0.93411	0.36099	1.0439	1.21923	0.59462	1.76E-03	3.167E-05	2.4199E-06	6.644E-07	1.79E-03	2.15E-03	3.88E-05	2.39E-06	3.72E-07	2.19E-03	1.90E-03	2.985E-05	2.319E-06	3.841E-07	0.0019292
99	486633.18, 3855793.15	0.90877	0.35717	1.01507	1.18498	0.57825	1.71E-03	3.133E-05	2.352E-06	6.461E-07	1.74E-03	2.09E-03	3.84E-05	2.32E-06	3.62E-07	2.13E-03	1.85E-03	2.954E-05	2.254E-06	3.735E-07	0.0018773
100	486683.18, 3855793.15	0.88636	0.35447	0.98945	1.15462	0.56388	1.67E-03	3.11E-05	2.2917E-06	6.3E-07	1.70E-03	2.04E-03	3.81E-05	2.26E-06	3.53E-07	2.08E-03	1.80E-03	2.931E-05	2.196E-06	3.642E-07	0.0018315
101	486733.18, 3855793.15	0.86159	0.35132	0.9614	1.12097	0.54874	1.62E-03	3.082E-05	2.2249E-06	6.131E-07	1.65E-03	1.98E-03	3.78E-05	2.20E-06	3.43E-07	2.02E-03	1.75E-03	2.905E-05	2.132E-06	3.545E-07	0.0017809
102	486783.18, 3855793.15	0.84056	0.34892	0.9374	1.0924	0.53563	1.58E-03	3.061E-05	2.1682E-06	5.985E-07	1.61E-03	1.94E-03	3.75E-05	2.14E-06	3.35E-07	1.98E-03	1.71E-03	2.886E-05	2.078E-06	3.46E-07	0.0017379
103	486533.18, 3855843.15	1.04878	0.3584	1.17457	1.3804	0.66968	1.97E-03	3.144E-05	2.7398E-06	7.482E-07	2.01E-03	2.42E-03	3.85E-05	2.70E-06	4.19E-07	2.46E-03	2.13E-03	2.964E-05	2.626E-06	4.326E-07	0.0021621
104	486583.18, 3855843.15	0.98672	0.34766	1.10702	1.29589	0.63427	1.85E-03	3.05E-05	2.5721E-06	7.087E-07	1.89E-03	2.27E-03	3.74E-05	2.54E-06	3.97E-07	2.31E-03	2.00E-03	2.875E-05	2.465E-06	4.097E-07	0.002035
105	486633.18, 3855843.15	0.95954	0.34405	1.07566	1.2591	0.6166	1.80E-03	3.018E-05	2.4991E-06	6.889E-07	1.84E-03	2.21E-03	3.70E-05	2.47E-06	3.86E-07	2.25E-03	1.95E-03	2.845E-05	2.395E-06	3.983E-07	0.0019795
106	486683.18, 3855843.15	0.93443	0.34141	1.04658	1.22501	0.60056	1.76E-03	2.995E-05	2.4314E-06	6.71E-07	1.79E-03	2.15E-03	3.67E-05	2.40E-06	3.76E-07	2.19E-03	1.90E-03	2.823E-05	2.33E-06	3.879E-07	0.0019282
107	486733.18, 3855843.15	0.91045	0.33933	1.01883	1.19239	0.58559	1.71E-03	2.977E-05	2.3667E-06	6.543E-07	1.74E-03	2.10E-03	3.65E-05	2.34E-06	3.66E-07	2.14E-03	1.85E-03	2.806E-05	2.268E-06	3.783E-07	0.0018793
108	486783.18, 3855843.15	0.8859	0.33703	0.99066	1.15895	0.57057	1.66E-03	2.957E-05	2.3003E-06	6.375E-07	1.70E-03	2.04E-03	3.62E-05	2.27E-06	3.57E-07	2.08E-03	1.80E-03	2.787E-05	2.205E-06	3.686E-07	0.0018292
109	486533.18, 3855893.15	1.0842	0.34198	1.21963	1.43307	0.70071	2.04E-03	3E-05	2.8444E-06	7.829E-07	2.07E-03	2.50E-03	3.68E-05	2.81E-06	4.38E-07	2.54E-03	2.20E-03	2.828E-05	2.726E-06	4.526E-07	0.0022328
110	486583.18, 3855893.15	1.04878	0.33703	1.17897	1.38524	0.67795	1.97E-03	2.957E-05	2.7494E-06	7.575E-07	2.00E-03	2.42E-03	3.62E-05	2.71E-06	4.24E-07	2.45E-03	2.13E-03	2.787E-05	2.635E-06	4.379E-07	0.0021604
111	486633.18, 3855893.15	1.01452	0.33263	1.13968	1.33875	0.65637	1.91E-03	2.918E-05	2.6572E-06	7.334E-07	1.94E-03	2.34E-03	3.58E-05	2.62E-06	4.11E-07	2.38E-03	2.06E-03	2.751E-05	2.547E-06	4.24E-07	0.0020903
112	486683.18, 3855893.15	0.98628	0.32991	1.10671	1.30038	0.63845	1.85E-03	2.894E-05	2.581E-06	7.133E-07	1.89E-03	2.27E-03	3.55E-05	2.55E-06	3.99E-07	2.31E-03	2.00E-03	2.728E-05	2.474E-06	4.124E-07	0.0020327
113	486733.18, 3855893.15	0.95962	0.32796	1.07558	1.26405	0.62189	1.80E-03	2.877E-05	2.5089E-06	6.948E-07	1.84E-03	2.21E-03	3.53E-05	2.48E-06	3.89E-07	2.25E-03	1.95E-03	2.712E-05	2.405E-06	4.017E-07	0.0019783
114	486783.18, 3855893.15	0.93696	0.32691	1.04874	1.23316	0.60809	1.76E-03	2.868E-05	2.4476E-06	6.794E-07	1.79E-03	2.16E-03	3.51E-05	2.42E-06	3.80E-07	2.20E-03	1.90E-03	2.704E-05	2.346E-06	3.928E-07	0.0019322
115	486533.18, 3855943.15	1.14541	0.33132	1.29036	1.5208	0.74391	2.15E-03	2.907E-05	3.0185E-06	8.312E-07	2.19E-03	2.64E-03	3.56E-05	2.98E-06	4.65E-07	2.68E-03	2.33E-03	2.74E-05	2.893E-06	4.805E-07	0.0023564
116	486583.18, 3855943.15	1.11718	0.32812	1.256	1.48311	0.72413	2.10E-03	2.878E-05	2.9437E-06	8.091E-07	2.13E-03	2.57E-03	3.53E-05	2.91E-06	4.53E-07	2.61E-03	2.27E-03	2.714E-05	2.821E-06	4.678E-07	0.0022987
117	486633.18, 3855943.15	1.07517	0.32304	1.20835	1.42599	0.69824	2.02E-03	2.834E-05	2.8303E-06	7.802E-07	2.05E-03	2.48E-03	3.47E-05	2.79E-06	4.37E-07	2.51E-03	2.18E-03	2.671E-05	2.713E-06	4.51E-07	0.0022129
118	486683.18, 3855943.15	1.04699	0.32077	1.17458	1.38773	0.68027	1.97E-03	2.814E-05	2.7544E-06	7.601E-07	2.00E-03	2.41E-03	3.45E-05	2.72E-06	4.25E-07	2.45E-03	2.13E-03	2.653E-05	2.64E-06	4.394E-07	0.0021554
119	486733.18, 3855943.15	1.0136	0.31823	1.13613	1.34212	0.6599	1.90E-03	2.792E-05	2.6639E-06	7.373E-07	1.94E-03	2.33E-03	3.42E-05	2.63E-06	4.13E-07	2.37E-03	2.06E-03	2.632E-05	2.553E-06	4.263E-07	0.0020873
120	486783.18, 3855943.15	0.98957	0.3176	1.10718	1.30931	0.64553	1.86E-03	2.786E-05	2.5987E-06	7.213E-07	1.89E-03	2.28E-03	3.41E-05	2.56E-06	4.04E-07	2.32E-03	2.01E-03	2.627E-05	2.491E-06	4.17E-07	0.0020384
121	486533.18, 3855993.15	1.22468	0.32381	1.37765	1.63303	0.79504	2.30E-03	2.841E-05	3.2413E-06	8.883E-07	2.33E-03	2.82E-03	3.48E-05	3.20E-06	4.97E-07	2.86E-03	2.49E-03	2.678E-05	3.106E-06	5.136E-07	0.002517
122	486583.18, 3855993.15	1.18321	0.31946	1.32935	1.57731	0.76817	2.22E-03	2.803E-05	3.1307E-06	8.583E-07	2.26E-03	2.72E-03	3.43E-05	3.09E-06	4.80E-07	2.76E-03	2.40E-03	2.642E-05	3E-06	4.962E-07	0.0024323
123	486633.18, 3855993.15	1.14265	0.31522	1.2823	1.52235	0.74266	2.15E-03	2.765E-05	3.0216E-06	8.298E-07	2.18E-03	2.63E-03	3.39E-05	2.98E-06	4.64E-07	2.67E-03	2.32E-03	2.607E-05	2.896E-06	4.797E-07	0.0023495
124	486683.18, 3855993.15	1.11008	0.31266	1.24331	1.4781	0.72223	2.09E-03	2.743E-05	2.9338E-06	8.07E-07	2.12E-03	2.56E-03	3.36E-05	2.90E-06	4.52E-07	2.59E-03	2.25E-03	2.586E-05	2.812E-06	4.665E-07	0.002283
125	486733.18, 3855993.15	1.07454	0.31037	1.20211	1.42952	0.70074	2.02E-03	2.723E-05	2.8373E-06	7.829E-07	2.05E-03	2.47E-03	3.34E-05	2.80E-06	4.38E-07	2.51E-03	2.18E-03	2.567E-05	2.719E-06	4.527E-07	0.0022106
126	486783.18, 3855993.15	1.04407	0.30926	1.16627	1.38782	0.68274	1.96E-03	2.713E-05	2.7546E-06	7.628E-07	1.99E-03	2.40E-03	3.32E-05	2.72E-06	4.27E-07	2.44E-03	2.12E-03	2.558E-05	2.64E-06	4.41E-07	0.0021485
127	486533.18, 3856043.15	1.30985	0.31691	1.46841	1.75256	0.84805	2.46E-03	2.78E-05	3.4785E-06	9.475E-07	2.49E-03	3.02E-03	3.41E-05	3.43E-06	5.30E-07	3.05E-03	2.66E-03	2.621E-05	3.334E-06	5.478E-07	0.0026896
128	486583.18, 3856043.15	1.2667	0.31339	1.41732	1.69495	0.81977	2.38E-03	2.749E-05	3.3642E-06	9.159E-07	2.41E-03	2.92E-03	3.37E-05	3.32E-06	5.13E-07	2.95E-03	2.57E-03	2.592E-05	3.224E-06	5.295E-07	0.0026016
129	486633.18, 3856043.15	1.21733	0.30884	1.3612	1.62811	0.78947	2.29E-03	2.709E-05	3.2315E-06	8.821E-07	2.32E-03	2.80E-03	3.32E-05	3.19E-06	4.94E-07	2.84E-03	2.47E-03	2.554E-05	3.097E-06	5.1E-07	0.0025008
130	486683.18, 3856043.15	1.18178	0.30636	1.31846	1.57995	0.76753	2.22E-03	2.688E-05	3.1359E-06	8.576E-07	2.25E-03	2.72E-03	3.29E-05	3.09E-06	4.80E-07	2.76E-03	2.40E-03	2.534E-05	3.005E-06	4.958E-07	0.0024283
131	486733.18, 3856043.15	1.13969	0.30371	1.27051	1.52236	0.74245	2.14E-03	2.664E-05	3.0216E-06	8.295E-07	2.17E-03	2.62E-03	3.26E-05	2.98E-06	4.64E-07	2.66E-03	2.31E-03	2.512E-05	2.896E-06	4.796E-07	0.0023425
132	486783.18, 3856043.15	1.10993	0.30332	1.23433	1.48122	0.72545	2.09E-03	2.661E-05	2.9399E-06	8.106E-07	2.12E-03	2.56E-03	3.26E-05	2.90E-06	4.54E-07	2.59E-03	2.25E-03	2.508E-05	2.818E-06	4.686E-07	0.0022819
133	486533.18, 3856093.15	1.41687	0.31162	1.57462	1.89914	0.90915	2.66E-03	2.734E-05	3.7694E-06	1.016E-06	2.69E-03	3.26E-03	3.35E-05	3.72E-06	5.69E-07	3.30E-03	2.88E-03	2.577E-05	3.613E-06	5.873E-07	0.0029068
134	486583.18, 3856093.15	1.3591	0.30792	1.50946	1.82225	0.8734	2.55E-03	2.701E-05	3.6168E-06	9.759E-07	2.59E-03	3.13E-03	3.31E-05	3.57E-06	5.46E-07	3.17E-03	2.76E-03	2.546E-05	3.466E-06	5.642E-07	0.002789
135	486633.18, 3856093.15	1.30506	0.30397	1.44864	1.74981	0.84077	2.45E-03	2.667E-05	3.473E-06	9.394E-07	2.48E-03	3.01E-03	3.27E-05	3.43E-06	5.26E-07	3.04E-03	2.65E-03	2.514E-05	3.329E-06	5.431E-07	0.0026788
136	486683.18, 3856093.15	1.26109	0.30118	1.3975	1.69025	0.81449	2.37E-03	2.642E-05	3.3548E-06	9.1E-07	2.40E-03	2.90E-03	3.24E-05	3.31E-06	5.09E-07	2.94E-03	2.56E-03	2.491E-05	3.215E-06	5.261E-07	0.0025891
137	486733.18, 3856093.15	1.21557	0.29882	1.34616	1.6284	0.78817	2.28E-03	2.621E-05	3.2321E-06	8.806E-07	2.31E-03	2.80E-03	3.21E-05	3.19E-06	4.93E-07	2.84E-03	2.47E-03	2.471E-05	3.098E-06	5.091E-07	0.0024964
138	486783.18, 3856093.15	1.17801	0.29806	1.30257	1.57694	0.76725	2.21E-03	2.615E-05	3.1299E-06	8.573E-07	2.24E-03	2.71E-03	3.20E-05	3.09E-06	4.80E-07	2.75E-03	2.39E-03	2.465E-05	3E-06	4.956E-07	0.00242
139	486533.18, 3856143.15	1.53695	0.30634	1.6854	2.05971	0.9728	2.89E-03	2.687E-05	4.0881E-06	1.087E-06	2.92E-03	3.54E-03	3.29E-05	4.03E-06	6.08E-07	3.58E-03	3.12E-03	2.533E-05	3.918E-06	6.284E-07	0.0031505
140	486583.18, 3856143.15	1.46243	0.30282	1.60618	1.9618	0.92917	2.75E-03	2.657E-05	3.8938E-06	1.038E-06	2.78E-03	3.37E-03	3.26E-05	3.84E-06	5.81E-07	3.40E-03	2.97E-03	2.504E-05	3.732E-06	6.002E-07	0.0029987
141	486633.18, 3856143.15	1.40502	0.29997	1.5428	1.88666	0.89546	2.64E-03	2.632E-05	3.7447E-06	1.001E-06	2.67E-03	3.24E-03	3.22E-05	3.70E-06	5.60E-07	3.27E-03	2.85E-03	2.481E-05	3.589E-06	5.784E-07	0.0028817
142	486683.18, 3856143.15	1.34997	0.29705	1.48217	1.81298	0.86405	2.54E-03	2.606E-05	3.5984E-06	9.654E-07	2.57E-03	3.11E-03	3.19E-05	3.55E-06	5.40E-07	3.14E-03	2.74E-03	2.457E-05	3.449E-06	5.581E-07	0.0027695
143	486733.18, 3856143.15	1.29921	0.29499	1.42638	1.7446	0.83594	2.44E-03	2.588E-05	3.4627E-06	9.34E-07	2.47E-03	2.99E-03	3.17E-05	3.42E-06	5.23E-07	3.03E-03	2.64E-03	2.44E-05	3.319E-06	5.4E-07	0.0026661
144	486783.18, 3856143.15	1.2607	0.29495	1.38155	1.69204	0.81618	2.37E-03	2.588E-05	3.3584E-06	9.119E-07	2.40E-03	2.90E-03	3.17E-05	3.31E-06	5.10E-07	2.94E-03	2.56E-03	2.439E-05	3.219E-06	5.272E-07	0.0025878
145	486533.18, 3856193.15	1.68958	0.30245	1.8148	2.26043	1.04644	3.18E-03	2.653E-05	4.4865E-06	1.169E-06	3.21E-03	3.89E-03	3.25E-05	4.43E-06	6.54E-07	3.93E-03	3.43E-03	2.501E-05	4.3E-06	6.76E-07	0.0034605
146	486583.18, 3856193.15	1.59074	0.29912	1.71887	2.13439	0.99352	2.99E-03	2.624E-05	4.2364E-06	1.11E-06	3.02E-03	3.66E-03	3.22E-05	4.18E-06	6.21E-07	3.70E-03	3.23E-03	2.474E-05	4.06E-06	6.418E-07	0.0032592
147	486633.18, 3856193.15	1.51982	0.29674	1.64519	2.04218	0.95424	2.86E-03	2.603E-05	4.0534E-06	1.066E-06	2.89E-03	3.50E-03	3.19E-05	4.00E-06	5.97E-07	3.54E-03	3.09E-03	2.454E-05	3.885E-06	6.164E-07	0.0031149
148	486683.18, 3856193.15	1.46074	0.2949	1.58268	1.96495	0.92316	2.75E-03	2.587E-05	3.9001E-06	1.031E-06	2.78E-03	3.36E-03	3.17E-05	3.85E-06	5.77E-07	3.40E-03	2.97E-03	2.439E-05	3.738E-06	5.963E-07	0.0029946
149	486733.18, 3856193.15	1.39632	0.29262	1.51623	1.87903	0.88925	2.62E-03	2.567E-05	3.7295E-06	9.936E-07	2.65E-03	3.22E-03	3.15E-05	3.68E-06	5.56E-07	3.25E-03	2.84E-03	2.42E-05	3.574E-06	5.744E-07	0.0028634
150	486783.18, 3856193.15	1.34837	0.2926	1.46445	1.81442	0.86659	2.53E-03	2.567E-05	3.6013E-06	9.683E-07	2.56E-03	3.11E-03	3.15E-05	3.55E-06	5.42E-07	3.14E-03	2.74E-03	2.42E-05	3.451E-06	5.598E-07	0.0027659
151	486533.18, 3856243.15	1.86532	0.29948	1.95636	2.49099	1.12664	3.51E-03	2.627E-05	4.9442E-06	1.259E-06	3.54E-03	4.30E-03	3.22E-05	4.88E-06	7.05E-07	4.33E-03	3.79E-03	2.477E-05	4.738E-06	7.278E-07	0.0038175
152	486583.18, 3856243.15	1.75239	0.29729	1.85328	2.34942	1.06976	3.29E-03	2.608E-05	4.6632E-06	1.195E-06	3.33E-03	4.04E-03	3.20E-05	4.60E-06	6.69E-07	4.07E-03	3.56E-03	2.459E-05	4.469E-06	6.91E-07	0.0035878
153	486633.18, 3856243.15	1.6567	0.29496	1.76297	2.22697	1.02141	3.11E-03	2.588E-05	4.4201E-06	1.141E-06	3.14E-03	3.82E-03	3.17E-05	4.36E-06	6.39E-07	3.85E-03	3.36E-03	2.439E-05	4.236E-06	6.598E-07	0.003393
154	486683.18, 3856243.15	1.57625	0.29294	1.68557	2.1235	0.98191	2.96E-03	2.57E-05	4.2148E-06	1.097E-06	2.99E-03	3.63E-03	3.15E-05	4.16E-06	6.14E-07	3.67E-03	3.20E-03	2.423E-05	4.039E-06	6.343E-07	0.0032293
155	486733.18, 3856243.15	1.50844	0.29169	1.61769	2.033	0.9495	2.83E-03	2.559E-05	4.0351E-06	1.061E-06	2.87E-03	3.47E-03	3.14E-05	3.98E-06	5.94E-07	3.51E-03	3.06E-03	2.412E-05	3.867E-06	6.133E-07	0.0030913
156	486783.18, 3856243.15	1.44225	0.29093	1.55159	1.94443	0.91787	2.71E-03	2.552E-05	3.8593E-06	1.026E-06	2.74E-03	3.32E-03	3.13E-05	3.81E-06	5.74E-07	3.36E-03	2.93E-03	2.406E-05	3.699E-06	5.929E-07	0.0029567

157	486533.18, 3856293.15	2.08583	0.2991	2.12487	2.77519	1.22142	3.92E-03	2.624E-05	5.5082E-06	1.365E-06	3.95E-03	4.80E-03	3.22E-05	5.44E-06	7.64E-07	4.84E-03	4.24E-03	2.474E-05	5.279E-06	7.89E-07	0.0042658
158	486583.18, 3856293.15	1.93648	0.29669	2.00068	2.59137	1.15262	3.64E-03	2.603E-05	5.1434E-06	1.288E-06	3.67E-03	4.46E-03	3.19E-05	5.08E-06	7.21E-07	4.50E-03	3.93E-03	2.454E-05	4.929E-06	7.446E-07	0.003962
159	486633.18, 3856293.15	1.81591	0.29467	1.89598	2.43963	1.09655	3.41E-03	2.585E-05	4.8422E-06	1.225E-06	3.44E-03	4.18E-03	3.17E-05	4.78E-06	6.86E-07	4.22E-03	3.69E-03	2.437E-05	4.641E-06	7.083E-07	0.0037167
160	486683.18, 3856293.15	1.71462	0.29276	1.80427	2.30932	1.04945	3.22E-03	2.568E-05	4.5836E-06	1.173E-06	3.25E-03	3.95E-03	3.15E-05	4.52E-06	6.56E-07	3.99E-03	3.48E-03	2.421E-05	4.393E-06	6.779E-07	0.0035106
161	486733.18, 3856293.15	1.63142	0.29183	1.72725	2.20231	1.01348	3.07E-03	2.56E-05	4.3712E-06	1.132E-06	3.10E-03	3.76E-03	3.14E-05	4.31E-06	6.34E-07	3.79E-03	3.31E-03	2.413E-05	4.189E-06	6.547E-07	0.0033414
162	486783.18, 3856293.15	1.55121	0.291	1.65064	2.09521	0.97666	2.92E-03	2.553E-05	4.1586E-06	1.091E-06	2.95E-03	3.57E-03	3.13E-05	4.10E-06	6.11E-07	3.61E-03	3.15E-03	2.407E-05	3.986E-06	6.309E-07	0.0031782
163	486783.18, 3856343.15	1.67866	0.29432	1.76496	2.26973	1.04616	3.15E-03	2.582E-05	4.505E-06	1.169E-06	3.19E-03	3.87E-03	3.16E-05	4.45E-06	6.54E-07	3.90E-03	3.41E-03	2.434E-05	4.318E-06	6.758E-07	0.0034376
164	486833.18, 3856343.15	1.59373	0.29463	1.68622	2.15577	1.01102	2.99E-03	2.585E-05	4.2788E-06	1.13E-06	3.03E-03	3.67E-03	3.17E-05	4.22E-06	6.32E-07	3.71E-03	3.24E-03	2.437E-05	4.101E-06	6.531E-07	0.003265
165	486883.18, 3856343.15	1.51845	0.29578	1.61475	2.05326	0.98051	2.85E-03	2.595E-05	4.0753E-06	1.096E-06	2.88E-03	3.50E-03	3.18E-05	4.02E-06	6.13E-07	3.53E-03	3.08E-03	2.446E-05	3.906E-06	6.334E-07	0.003112
166	486783.18, 3856393.15	1.81553	0.29795	1.88472	2.45484	1.11409	3.41E-03	2.614E-05	4.8724E-06	1.245E-06	3.44E-03	4.18E-03	3.20E-05	4.81E-06	6.97E-07	4.22E-03	3.69E-03	2.464E-05	4.67E-06	7.197E-07	0.0037162
167	486833.18, 3856393.15	1.71395	0.29812	1.82541	2.31946	1.07455	3.22E-03	2.615E-05	4.6037E-06	1.201E-06	3.25E-03	3.95E-03	3.20E-05	4.54E-06	6.72E-07	3.98E-03	3.48E-03	2.465E-05	4.412E-06	6.941E-07	0.0035097
168	486883.18, 3856393.15	1.62135	0.29876	1.73684	2.19502	1.03519	3.05E-03	2.621E-05	4.3567E-06	1.157E-06	3.08E-03	3.73E-03	3.21E-05	4.30E-06	6.47E-07	3.77E-03	3.29E-03	2.471E-05	4.175E-06	6.687E-07	0.0033215
169	487208.74, 3856886.11	2.16888	0.70563	2.22478	2.95279	1.55574	4.08E-03	6.19E-05	5.8607E-06	1.738E-06	4.15E-03	4.99E-03	7.59E-05	5.78E-06	9.73E-07	5.08E-03	4.40E-03	5.835E-05	5.617E-06	1.005E-06	0.0044686
170	487258.74, 3856886.11	1.98077	0.72251	2.0839	2.72515	1.48424	3.72E-03	6.338E-05	5.4089E-06	1.658E-06	3.79E-03	4.56E-03	7.77E-05	5.34E-06	9.28E-07	4.65E-03	4.02E-03	5.975E-05	5.184E-06	9.588E-07	0.0040876
171	487308.74, 3856886.11	1.82121	0.74759	1.96049	2.5308	1.42466	3.42E-03	6.558E-05	5.0232E-06	1.592E-06	3.49E-03	4.19E-03	8.04E-05	4.96E-06	8.91E-07	4.28E-03	3.70E-03	6.182E-05	4.814E-06	9.203E-07	0.0037653
172	487358.74, 3856886.11	1.68756	0.78284	1.85463	2.36451	1.3678	3.17E-03	6.868E-05	4.6931E-06	1.528E-06	3.25E-03	3.89E-03	8.42E-05	4.63E-06	8.55E-07	3.98E-03	3.43E-03	6.474E-05	4.498E-06	8.836E-07	0.0034965
173	487208.74, 3856936.11	2.30254	0.92831	2.38521	3.23183	1.68494	4.33E-03	8.144E-05	6.4146E-06	1.883E-06	4.42E-03	5.30E-03	9.98E-05	6.33E-06	1.05E-06	5.41E-03	4.68E-03	7.677E-05	6.148E-06	1.088E-06	0.004759
174	487258.74, 3856936.11	2.06062	0.97129	2.21956	2.94835	1.59822	3.87E-03	8.521E-05	5.8519E-06	1.786E-06	3.97E-03	4.75E-03	1.04E-04	5.78E-06	1.00E-06	4.86E-03	4.18E-03	8.032E-05	5.609E-06	1.032E-06	0.0042708
175	487308.74, 3856936.11	1.86945	1.02812	2.07597	2.70968	1.52832	3.51E-03	9.019E-05	5.3782E-06	1.708E-06	3.61E-03	4.30E-03	1.11E-04	5.31E-06	9.56E-07	4.42E-03	3.80E-03	8.502E-05	5.154E-06	9.872E-07	0.0038869
176	487358.74, 3856936.11	1.71726	1.0917	1.95371	2.50724	1.4648	3.23E-03	9.577E-05	4.9764E-06	1.637E-06	3.33E-03	3.95E-03	1.17E-04	4.91E-06	9.16E-07	4.08E-03	3.49E-03	9.028E-05	4.769E-06	9.462E-07	0.0035827
177	487208.74, 3856986.11	2.29145	1.40059	2.578	3.58885	1.84091	4.31E-03	0.0001229	7.1232E-06	2.057E-06	4.44E-03	5.28E-03	1.51E-04	7.03E-06	1.15E-06	5.44E-03	4.65E-03	0.0001158	6.827E-06	1.189E-06	0.0047764
178	487258.74, 3856986.11	2.03889	1.50062	2.37274	3.20832	1.74039	3.83E-03	0.0001316	6.3679E-06	1.945E-06	3.97E-03	4.70E-03	1.61E-04	6.28E-06	1.09E-06	4.86E-03	4.14E-03	0.0001241	6.103E-06	1.124E-06	0.004271
179	487308.74, 3856986.11	1.85314	1.59693	2.21072	2.91077	1.64531	3.48E-03	0.0001401	5.7773E-06	1.838E-06	3.63E-03	4.27E-03	1.72E-04	5.70E-06	1.03E-06	4.45E-03	3.76E-03	0.0001321	5.537E-06	1.063E-06	0.0039012
180	487358.74, 3856986.11	1.70087	1.66629	2.06501	2.65456	1.57625	3.20E-03	0.0001462	5.2688E-06	1.761E-06	3.35E-03	3.92E-03	1.79E-04	5.20E-06	9.86E-07	4.10E-03	3.45E-03	0.0001378	5.05E-06	1.018E-06	0.0035973
181	487208.74, 3857036.11	2.12943	2.70773	2.82045	4.05272	2.03543	4.00E-03	0.0002375	8.0439E-06	2.274E-06	4.25E-03	4.90E-03	2.91E-04	7.94E-06	1.27E-06	5.20E-03	4.32E-03	0.0002239	7.709E-06	1.315E-06	0.0045565
182	487258.74, 3857036.11	1.94008	2.735	2.57043	3.52083	1.8965	3.65E-03	0.0002399	6.9882E-06	2.119E-06	3.89E-03	4.47E-03	2.94E-04	6.90E-06	1.19E-06	4.77E-03	3.94E-03	0.0002262	6.698E-06	1.225E-06	0.0041732
183	487308.74, 3857036.11	1.78281	2.7161	2.3635	3.1119	1.79292	3.35E-03	0.0002383	6.1765E-06	2.003E-06	3.60E-03	4.11E-03	2.92E-04	6.10E-06	1.12E-06	4.40E-03	3.62E-03	0.0002246	5.92E-06	1.158E-06	0.0038515
184	487358.74, 3857036.11	1.65385	2.68227	2.19518	2.79386	1.70312	3.11E-03	0.0002353	5.5453E-06	1.903E-06	3.35E-03	3.81E-03	2.88E-04	5.47E-06	1.07E-06	4.10E-03	3.36E-03	0.0002218	5.315E-06	1.1E-06	0.0035862
185	487427.14, 3856878.23	1.52601	0.80261	1.70971	2.14546	1.30084	2.87E-03	7.041E-05	4.2583E-06	1.453E-06	2.94E-03	3.51E-03	8.63E-05	4.20E-06	8.14E-07	3.61E-03	3.10E-03	6.637E-05	4.081E-06	8.403E-07	0.0031697
186	487477.14, 3856878.23	1.43245	0.84678	1.62783	2.0203	1.26326	2.69E-03	7.429E-05	4.0099E-06	1.411E-06	2.77E-03	3.30E-03	9.10E-05	3.96E-06	7.90E-07	3.39E-03	2.91E-03	7.003E-05	3.843E-06	8.16E-07	0.0029831
187	487527.14, 3856878.23	1.35102	0.89084	1.55488	1.90814	1.22627	2.54E-03	7.815E-05	3.7873E-06	1.37E-06	2.62E-03	3.11E-03	9.58E-05	3.74E-06	7.67E-07	3.21E-03	2.74E-03	7.367E-05	3.63E-06	7.921E-07	0.0028212
188	487427.14, 3856928.23	1.5476	1.10867	1.79234	2.25107	1.38394	2.91E-03	9.726E-05	4.468E-06	1.546E-06	3.01E-03	3.56E-03	1.19E-04	4.41E-06	8.66E-07	3.69E-03	3.14E-03	9.169E-05	4.282E-06	8.94E-07	0.0032391
189	487477.14, 3856928.23	1.44932	1.16438	1.70426	2.1077	1.3344	2.72E-03	0.0001021	4.1834E-06	1.491E-06	2.83E-03	3.34E-03	1.25E-04	4.13E-06	8.35E-07	3.47E-03	2.94E-03	9.629E-05	4.009E-06	8.62E-07	0.0030438
190	487527.14, 3856928.23	1.36303	1.21073	1.6223	1.97756	1.29539	2.56E-03	0.0001062	3.9251E-06	1.447E-06	2.67E-03	3.14E-03	1.30E-04	3.87E-06	8.10E-07	3.27E-03	2.77E-03	0.0001001	3.762E-06	8.368E-07	0.0028722
191	487577.14, 3856928.23	1.28785	1.24881	1.54851	1.86127	1.25901	2.42E-03	0.0001096	3.6943E-06	1.407E-06	2.53E-03	2.97E-03	1.34E-04	3.65E-06	7.87E-07	3.10E-03	2.61E-03	0.0001033	3.541E-06	8.133E-07	0.0027225
192	487627.14, 3856928.23	1.22281	1.28096	1.48392	1.75855	1.21925	2.30E-03	0.0001124	3.4904E-06	1.362E-06	2.42E-03	2.82E-03	1.38E-04	3.44E-06	7.63E-07	2.96E-03	2.48E-03	0.0001059	3.345E-06	7.876E-07	0.0025928
193	487677.14, 3856928.23	1.16336	1.30215	1.42095	1.66254	1.19193	2.19E-03	0.0001142	3.2998E-06	1.332E-06	2.31E-03	2.68E-03	1.40E-04	3.26E-06	7.45E-07	2.82E-03	2.36E-03	0.0001077	3.163E-06	7.699E-07	0.0024737
194	487727.14, 3856928.23	1.10969	1.3157	1.36279	1.575	1.16766	2.09E-03	0.0001154	3.1261E-06	1.305E-06	2.21E-03	2.56E-03	1.41E-04	3.09E-06	7.30E-07	2.70E-03	2.25E-03	0.0001088	2.996E-06	7.543E-07	0.0023656
195	487777.14, 3856928.23	1.06216	1.32482	1.31174	1.49713	1.13852	2.00E-03	0.0001162	2.9715E-06	1.272E-06	2.12E-03	2.45E-03	1.42E-04	2.93E-06	7.12E-07	2.59E-03	2.16E-03	0.0001096	2.848E-06	7.354E-07	0.0022697
196	487427.14, 3856978.23	1.54242	1.62944	1.88718	2.35637	1.4714	2.90E-03	0.0001429	4.677E-06	1.644E-06	3.05E-03	3.55E-03	1.75E-04	4.62E-06	9.20E-07	3.73E-03	3.13E-03	0.0001348	4.482E-06	9.505E-07	0.0032719
197	487477.14, 3856978.23	1.4438	1.66748	1.78482	2.18525	1.42123	2.71E-03	0.0001463	4.3373E-06	1.588E-06	2.87E-03	3.32E-03	1.79E-04	4.28E-06	8.89E-07	3.51E-03	2.93E-03	0.0001379	4.157E-06	9.181E-07	0.0030744
198	487527.14, 3856978.23	1.35881	1.69294	1.694	2.03636	1.37581	2.55E-03	0.0001485	4.0418E-06	1.537E-06	2.71E-03	3.13E-03	1.82E-04	3.99E-06	8.60E-07	3.32E-03	2.76E-03	0.00014	3.874E-06	8.887E-07	0.0029037
199	487577.14, 3856978.23	1.28535	1.70823	1.61353	1.90629	1.33235	2.42E-03	0.0001499	3.7836E-06	1.489E-06	2.57E-03	2.96E-03	1.84E-04	3.73E-06	8.33E-07	3.15E-03	2.61E-03	0.0001413	3.626E-06	8.607E-07	0.0027555
200	487627.14, 3856978.23	1.22146	1.71712	1.54319	1.79271	1.28692	2.30E-03	0.0001506	3.5582E-06	1.438E-06	2.45E-03	2.81E-03	1.85E-04	3.51E-06	8.05E-07	3.00E-03	2.48E-03	0.000142	3.41E-06	8.313E-07	0.0026263
201	487677.14, 3856978.23	1.16232	1.71227	1.47471	1.68766	1.25535	2.18E-03	0.0001502	3.3497E-06	1.403E-06	2.34E-03	2.68E-03	1.84E-04	3.31E-06	7.85E-07	2.86E-03	2.36E-03	0.0001416	3.21E-06	8.109E-07	0.0025056
202	487727.14, 3856978.23	1.11283	1.71005	1.41989	1.59905	1.20743	2.09E-03	0.00015	3.1738E-06	1.349E-06	2.25E-03	2.56E-03	1.84E-04	3.13E-06	7.55E-07	2.75E-03	2.26E-03	0.0001414	3.042E-06	7.8E-07	0.0024047
203	487777.14, 3856978.23	1.06126	1.68112	1.35462	1.50851	1.19991	1.99E-03	0.0001475	2.9941E-06	1.341E-06	2.15E-03	2.44E-03	1.81E-04	2.96E-06	7.50E-07	2.63E-03	2.15E-03	0.000139	2.87E-06	7.751E-07	0.0022974
204	487427.14, 3857028.23	1.51403	2.45638	1.9885	2.44188	1.58163	2.85E-03	0.0002155	4.8467E-06	1.767E-06	3.07E-03	3.49E-03	2.64E-04	4.78E-06	9.89E-07	3.76E-03	3.07E-03	0.0002031	4.645E-06	1.022E-06	0.0032829
205	487477.14, 3857028.23	1.42358	2.42333	1.87428	2.24536	1.51952	2.68E-03	0.0002126	4.4566E-06	1.698E-06	2.89E-03	3.28E-03	2.61E-04	4.40E-06	9.50E-07	3.54E-03	2.89E-03	0.0002004	4.271E-06	9.816E-07	0.0030961
206	487527.14, 3857028.23	1.34514	2.38587	1.77495	2.07923	1.46184	2.53E-03	0.0002093	4.1269E-06	1.633E-06	2.74E-03	3.10E-03	2.56E-04	4.07E-06	9.14E-07	3.36E-03	2.73E-03	0.0001973	3.955E-06	9.443E-07	0.0029334
207	487577.14, 3857028.23	1.27508	2.33999	1.68471	1.93444	1.41353	2.40E-03	0.0002053	3.8395E-06	1.579E-06	2.61E-03	2.94E-03	2.52E-04	3.79E-06	8.84E-07	3.19E-03	2.59E-03	0.0001935	3.68E-06	9.131E-07	0.002787
208	487627.14, 3857028.23	1.21444	2.29821	1.60829	1.81165	1.35976	2.28E-03	0.0002016	3.5958E-06	1.519E-06	2.49E-03	2.80E-03	2.47E-04	3.55E-06	8.50E-07	3.05E-03	2.47E-03	0.0001901	3.446E-06	8.784E-07	0.0026602
209	487677.14, 3857028.23	1.15795	2.2441	1.5342	1.69991	1.32134	2.18E-03	0.0001969	3.374E-06	1.476E-06	2.38E-03	2.67E-03	2.41E-04	3.33E-06	8.26E-07	2.91E-03	2.35E-03	0.0001856	3.234E-06	8.535E-07	0.0025407
210	487727.14, 3857028.23	1.10572	2.18211	1.46417	1.59842	1.29253	2.08E-03	0.0001914	3.1726E-06	1.444E-06	2.27E-03	2.55E-03	2.35E-04	3.13E-06	8.08E-07	2.78E-03	2.25E-03	0.0001805	3.041E-06	8.349E-07	0.0024294
211	487777.14, 3857028.23	1.05955	2.12276	1.40284	1.50964	1.26005	1.99E-03	0.0001862	2.9964E-06	1.408E-06	2.18E-03	2.44E-03	2.28E-04	2.96E-06	7.88E-07	2.67E-03	2.15E-03	0.0001755	2.872E-06	8.14E-07	0.0023305
212	487427.14, 3857078.23	1.48556	3.65282	2.10843	2.50074	1.70375	2.79E-03	0.0003205	4.9635E-06	1.904E-06	3.12E-03	3.42E-03	3.93E-04	4.90E-06	1.07E-06	3.82E-03	3.02E-03	0.0003021	4.757E-06	1.101E-06	0.0033242
213	487477.14, 3857078.23	1.40444	3.46868	1.97931	2.28163	1.62547	2.64E-03	0.0003043	4.5286E-06	1.816E-06	2.95E-03	3.23E-03	3.73E-04	4.47E-06	1.02E-06	3.61E-03	2.85E-03	0.0002869	4.34E-06	1.05E-06	0.0031438
214	487527.14, 3857078.23	1.33092	3.30054	1.86452	2.09708	1.56154	2.50E-03	0.0002895	4.1623E-06	1.745E-06	2.80E-03	3.06E-03	3.55E-04	4.11E-06	9.77E-07	3.42E-03	2.70E-03	0.000273	3.989E-06	1.009E-06	0.0029802
215	487577.14, 3857078.23	1.26561	3.15155	1.76461	1.94212	1.50256	2.38E-03	0.0002765	3.8547E-06	1.679E-06	2.66E-03	2.91E-03	3.39E-04	3.80E-06	9.40E-07	3.26E-03	2.57E-03	0.0002606	3.694E-06	9.706E-07	0.002835
216	487627.14, 3857078.23	1.20722	3.01855	1.67746	1.81054	1.44575	2.27E-03	0.0002648	3.5936E-06	1.615E-06	2.54E-03	2.78E-03	3.25E-04	3.55E-06	9.04E-07	3.11E-03	2.45E-03	0.0002496	3.444E-06	9.339E-07	0.0027051
217	487677.14, 3857078.23	1.15323	2.88705	1.59635	1.6937	1.40036	2.17E-03	0.0002533	3.3617E-06	1.565E-06	2.43E-03	2.66E-03	3.10E-04	3.32E-06	8.76E-07	2.97E-03	2.34E-03	0.0002388	3.222E-06	9.046E-07	0.0025844
218	487727.14, 3857078.23	1.10339	2.75941	1.52169	1.58999	1.3623	2.07E-03	0.0002421	3.1558E-06	1.522E-06	2.32E-03	2.54E-03	2.97E-04	3.11E-06	8.52E-07	2.84E-03	2.24E-03	0.0002282	3.025E-06	8.8E-07	0.0024724
219	487777.14, 3857078.23	1.05917	2.6459	1.45713	1.5004	1.32013	1.99E-03	0.0002321	2.978E-06	1.475E-06	2.23E-03	2.44E-03	2.84E-04	2.94E-06	8.26E-07	2.73E-03	2.15E-03	0.0002188	2.854E-06	8.528E-07	0.002373
220	487427.14, 3857128.23	1.47416	5.18771	2.25086	2.52683	1.84789	2.77E-03	0.0004551	5.0153E-06	2.065E-06	3.23E-03	3.39E-03	5.58E-04	4.95E-06	1.16E-06	3.96E-03	2.99E-03	0.000429	4.807E-06	1.194E-06	0.0034281
221	487477.14, 3857128.23	1.39757	4.77322	2.10118	2.28977	1.7492	2.63E-03	0.0004187	4.5448E-06	1.954E-06	3.05E-03	3.22E-03	5.13E-04	4.49E-06	1.09E-06	3.74E-03	2.84E-03	0.0003947	4.356E-06	1.13E-06	0.0032378
222	487527.14, 3857128.23	1.32832	4.42875	1.97242	2.09594	1.66546	2.50E-03	0.0003885	4.1601E-06	1.861E-06	2.89E-03	3.06E-03	4.76E-04	4.11E-06	1.04E-06	3.54E-03	2.70E-03	0.0003663	3.987E-06	1.076E-06	0.0030683
223	487577.14, 3857128.23	1.26414	4.12553	1.85712	1.93185	1.59882	2.38E-03	0.0003619	3.8344E-06	1.786E-06	2.74E-03	2.91E-03	4.44E-04	3.78E-06	1.00E-06	3.36E-03	2.57E-03	0.0003412	3.675E-06	1.033E-06	0.0029126
224	487627.14, 3857128.23	1.20579	3.8602	1.75538	1.79288	1.54046	2.27E-03	0.0003386	3.5585E-06	1.721E-06	2.61E-03	2.78E-03	4.15E-04	3.51E-06	9.63E-07	3.20E-03	2.45E-03	0.0003192	3.411E-06	9.951E-07	0.0027718
225	487677.14, 3857128.23	1.154	3.63301	1.66844	1.67584	1.48066	2.17E-03	0.0003187	3.3262E-06	1.654E-06	2.49E-03	2.66E-03	3.91E-04	3.28E-06	9.26E-07	3.05E-03	2.34E-03	0.0003004	3.188E-06	9.565E-07	0.0026476
226	487727.14, 3857128.23	1.10425	3.40899	1.58343	1.56855	1.4423	2.08E-03	0.0002991	3.1133E-06	1.612E-06	2.38E-03	2.54E-03	3.66E-04	3.07E-06	9.02E-07	2.91E-03	2.24E-03	0.0002819	2.984E-06	9.317E-07	0.0025279
227	487777.14, 3857128.23	1.06077	3.22219	1.5129	1.47851	1.39379	1.99E-03	0.0002827	2.9346E-06	1.557E-06	2.28E-03	2.44E-03	3.46E-04	2.90E-06	8.72E-07	2.79E-03	2.15E-03	0.0002665	2.812E-06	9.003E-07	0.0024239
228	488049.44, 3856539.39	0.78481	0.38916	0.89053	1.0428	0.74586	1.47E-03	3.414E-05	2.0698E-06	8.334E-07	1.51E-03	1.81E-03	4.18E-05	2.04E-06	4.66E-07	1.85E-03	1.59E-03	3.218E-05	1.984E-06	4.818E-07	0.0016281
229	488099.44, 3856539.39	0.76388	0.39723	0.86984	1.0138	0.73014	1.44E-03	3.485E-05	2.0122E-06	8.158E-07	1.47E-03	1.76E-03	4.27E-05	1.99E-06	4.57E-07	1.80E-03	1.55E-03	3.285E-05	1.929E-06	4.716E-07	0.0015862
230	488149.44, 3856539.39	0.74365	0.40508	0.84947	0.98554	0.71849	1.40E-03	3.554E-05	1.9561E-06	8.028E-07	1.44E-03	1.71E-03	4.35E-05	1.93E-06	4.49E-07	1.76E-03	1.51E-03	3.35E-05	1.875E-06	4.641E-07	0.0015457
231	488049.44, 3856589.39	0.80047	0.43551	0.91304	1.06628	0.7772	1.50E-03	3.821E-05	2.1164E-06	8.684E-07	1.55E-03	1.84E-03	4.68E-05	2.09E-06	4.86E-07	1.89E-03	1.63E-03	3.602E-05	2.028E-06	5.02E-07	0.0016638
232	488099.44, 3856589.39	0.77827	0.44492	0.89117	1.03527	0.7614	1.46E-03	3.903E-05	2.0548E-06	8.507E-07	1.50E-03	1.79E-03	4.78E-05	2.03E-06	4.76E-07	1.84E-03	1.58E-03	3.679E-05	1.969E-06	4.918E-07	0.0016194
233	488149.44, 3856589.39	0.75714	0.45385	0.87007	1.00545	0.7473	1.42E-03	3.981E-05	1.9956E-06	8.35E-07	1.47E-03	1.74E-03	4.88E-05	1.97E-06	4.67E-07	1.79E-03	1.54E-03	3.753E-05	1.913E-06	4.827E-07	0.0015772
234	488199.44, 3856589.39	0.73713	0.46241	0.85035	0.97728	0.73149	1.39E-03	4.057E-05	1.9397E-06	8.173E-07	1.43E-03	1.70E-03	4.97E-05	1.91E-06	4.58E-07	1.75E-03	1.50E-03	3.824E-05	1.859E-06	4.725E-07	0.0015372
235	488249.44, 3856589.39	0.71722	0.47036	0.82956	0.94889	0.72636	1.35E-03	4.126E-05	1.8834E-06	8.116E-07	1.39E-03	1.65E-03	5.06E-05	1.86E-06	4.54E-07	1.70E-03	1.46E-03	3.89E-05	1.805E-06	4.692E-07	0.0014974
236	488049.44, 3856639.39	0.81509	0.49486	0.9364	1.08901	0.80823	1.53E-03	4.341E-05	2.1615E-06	9.03E-07	1.58E-03	1.88E-03	5.32E-05	2.13E-06	5.06E-07	1.93E-03	1.65E-03	4.092E-05	2.072E-06	5.221E-07	0.0016985

237	488099.44, 3856639.39	0.79173	0.50536	0.91336	1.05593	0.7916	1.49E-03	4.433E-05	2.0958E-06	8.845E-07	1.54E-03	1.82E-03	5.43E-05	2.07E-06	4.95E-07	1.88E-03	1.61E-03	4.179E-05	2.009E-06	5.113E-07	0.0016518
238	488149.44, 3856639.39	0.76953	0.51514	0.89132	1.02432	0.77599	1.45E-03	4.519E-05	2.0331E-06	8.67E-07	1.49E-03	1.77E-03	5.54E-05	2.01E-06	4.85E-07	1.83E-03	1.56E-03	4.26E-05	1.949E-06	5.013E-07	0.0016075
239	488199.44, 3856639.39	0.74807	0.524	0.86952	0.9936	0.76458	1.41E-03	4.597E-05	1.9721E-06	8.543E-07	1.45E-03	1.72E-03	5.63E-05	1.95E-06	4.78E-07	1.78E-03	1.52E-03	4.333E-05	1.89E-06	4.939E-07	0.0015646
240	488249.44, 3856639.39	0.72789	0.53237	0.84904	0.96457	0.75209	1.37E-03	4.67E-05	1.9145E-06	8.403E-07	1.42E-03	1.68E-03	5.72E-05	1.89E-06	4.70E-07	1.74E-03	1.48E-03	4.403E-05	1.835E-06	4.858E-07	0.0015242
241	488299.44, 3856639.39	0.70858	0.54004	0.82939	0.93679	0.7404	1.33E-03	4.738E-05	1.8594E-06	8.273E-07	1.38E-03	1.63E-03	5.81E-05	1.84E-06	4.63E-07	1.69E-03	1.44E-03	4.466E-05	1.782E-06	4.783E-07	0.0014856
242	488349.44, 3856639.39	0.69048	0.54718	0.81113	0.91064	0.72665	1.30E-03	4.8E-05	1.8075E-06	8.119E-07	1.35E-03	1.59E-03	5.88E-05	1.78E-06	4.54E-07	1.65E-03	1.40E-03	4.525E-05	1.732E-06	4.694E-07	0.0014494
243	488399.44, 3856639.39	0.67266	0.55279	0.79229	0.88469	0.71922	1.26E-03	4.849E-05	1.7559E-06	8.036E-07	1.32E-03	1.55E-03	5.94E-05	1.73E-06	4.50E-07	1.61E-03	1.37E-03	4.572E-05	1.683E-06	4.646E-07	0.0014136
244	488099.44, 3856689.39	0.80354	0.58135	0.93555	1.07449	0.82521	1.51E-03	5.1E-05	2.1327E-06	9.22E-07	1.56E-03	1.85E-03	6.25E-05	2.10E-06	5.16E-07	1.92E-03	1.63E-03	4.808E-05	2.044E-06	5.331E-07	0.0016821
245	488149.44, 3856689.39	0.78046	0.59152	0.91262	1.04113	0.80771	1.47E-03	5.189E-05	2.0665E-06	9.025E-07	1.52E-03	1.80E-03	6.36E-05	2.04E-06	5.05E-07	1.86E-03	1.58E-03	4.892E-05	1.98E-06	5.218E-07	0.001636
246	488199.44, 3856689.39	0.75808	0.60028	0.8898	1.00867	0.79482	1.42E-03	5.266E-05	2.002E-06	8.881E-07	1.48E-03	1.75E-03	6.45E-05	1.98E-06	4.97E-07	1.81E-03	1.54E-03	4.964E-05	1.919E-06	5.134E-07	0.0015913
247	488249.44, 3856689.39	0.73739	0.60863	0.86907	0.97858	0.77839	1.39E-03	5.339E-05	1.9423E-06	8.697E-07	1.44E-03	1.70E-03	6.54E-05	1.92E-06	4.87E-07	1.77E-03	1.50E-03	5.033E-05	1.862E-06	5.028E-07	0.0015499
248	488299.44, 3856689.39	0.71702	0.615	0.84761	0.94874	0.76923	1.35E-03	5.395E-05	1.8831E-06	8.595E-07	1.40E-03	1.65E-03	6.61E-05	1.86E-06	4.81E-07	1.72E-03	1.46E-03	5.086E-05	1.805E-06	4.969E-07	0.001509
249	488349.44, 3856689.39	0.69828	0.62105	0.8285	0.9213	0.75473	1.31E-03	5.448E-05	1.8286E-06	8.433E-07	1.37E-03	1.61E-03	6.68E-05	1.80E-06	4.72E-07	1.68E-03	1.42E-03	5.136E-05	1.753E-06	4.875E-07	0.0014714
250	488399.44, 3856689.39	0.68089	0.62651	0.81122	0.89583	0.7364	1.28E-03	5.496E-05	1.7781E-06	8.228E-07	1.34E-03	1.57E-03	6.74E-05	1.75E-06	4.61E-07	1.64E-03	1.38E-03	5.181E-05	1.704E-06	4.757E-07	0.0014365
251	488099.44, 3856739.39	0.81336	0.6764	0.95781	1.09057	0.86161	1.53E-03	5.934E-05	2.1646E-06	9.627E-07	1.59E-03	1.87E-03	7.27E-05	2.14E-06	5.39E-07	1.95E-03	1.65E-03	5.594E-05	2.075E-06	5.566E-07	0.00171
252	488149.44, 3856739.39	0.7898	0.68643	0.93456	1.05588	0.84	1.48E-03	6.022E-05	2.0957E-06	9.385E-07	1.55E-03	1.82E-03	7.38E-05	2.07E-06	5.25E-07	1.90E-03	1.60E-03	5.677E-05	2.009E-06	5.426E-07	0.0016629
253	488199.44, 3856739.39	0.76634	0.69345	0.90981	1.02112	0.82867	1.44E-03	6.083E-05	2.0267E-06	9.259E-07	1.50E-03	1.76E-03	7.45E-05	2.00E-06	5.18E-07	1.84E-03	1.56E-03	5.735E-05	1.942E-06	5.353E-07	0.0016158
254	488249.44, 3856739.39	0.74503	0.70039	0.88823	0.98957	0.81078	1.40E-03	6.144E-05	1.9641E-06	9.059E-07	1.46E-03	1.72E-03	7.53E-05	1.94E-06	5.07E-07	1.79E-03	1.51E-03	5.792E-05	1.882E-06	5.237E-07	0.001573
255	488299.44, 3856739.39	0.72527	0.70666	0.86882	0.96038	0.78912	1.36E-03	6.199E-05	1.9062E-06	8.817E-07	1.43E-03	1.67E-03	7.60E-05	1.88E-06	4.94E-07	1.75E-03	1.47E-03	5.844E-05	1.827E-06	5.097E-07	0.0015333
256	488349.44, 3856739.39	0.70503	0.70866	0.84636	0.93002	0.7827	1.32E-03	6.217E-05	1.8459E-06	8.745E-07	1.39E-03	1.62E-03	7.62E-05	1.82E-06	4.90E-07	1.70E-03	1.43E-03	5.861E-05	1.769E-06	5.056E-07	0.0014924
257	488399.44, 3856739.39	0.68578	0.70919	0.82509	0.90123	0.77517	1.29E-03	6.221E-05	1.7888E-06	8.661E-07	1.35E-03	1.58E-03	7.62E-05	1.77E-06	4.85E-07	1.66E-03	1.39E-03	5.865E-05	1.714E-06	5.007E-07	0.0014533
258	487999.44, 3856789.39	0.87842	0.77854	1.04111	1.18943	0.92405	1.65E-03	6.83E-05	2.3608E-06	1.032E-06	1.72E-03	2.02E-03	8.37E-05	2.33E-06	5.78E-07	2.11E-03	1.78E-03	6.438E-05	2.263E-06	5.969E-07	0.0018508
259	488049.44, 3856789.39	0.84975	0.78855	1.01168	1.14654	0.90612	1.60E-03	6.918E-05	2.2757E-06	1.012E-06	1.67E-03	1.96E-03	8.48E-05	2.25E-06	5.67E-07	2.04E-03	1.73E-03	6.521E-05	2.181E-06	5.853E-07	0.0017933
260	488099.44, 3856789.39	0.82218	0.7956	0.98228	1.10503	0.89396	1.55E-03	6.98E-05	2.1933E-06	9.988E-07	1.62E-03	1.89E-03	8.55E-05	2.16E-06	5.59E-07	1.98E-03	1.67E-03	6.58E-05	2.102E-06	5.775E-07	0.0017378
261	488149.44, 3856789.39	0.79745	0.80279	0.95691	1.06775	0.87413	1.50E-03	7.043E-05	2.1193E-06	9.767E-07	1.57E-03	1.84E-03	8.63E-05	2.09E-06	5.47E-07	1.93E-03	1.62E-03	6.639E-05	2.031E-06	5.647E-07	0.0016881
262	488199.44, 3856789.39	0.77352	0.80719	0.9316	1.03166	0.85919	1.45E-03	7.081E-05	2.0477E-06	9.6E-07	1.53E-03	1.78E-03	8.68E-05	2.02E-06	5.37E-07	1.87E-03	1.57E-03	6.675E-05	1.962E-06	5.55E-07	0.0016398
263	488249.44, 3856789.39	0.75148	0.81057	0.90856	0.99831	0.84145	1.41E-03	7.111E-05	1.9815E-06	9.402E-07	1.49E-03	1.73E-03	8.71E-05	1.96E-06	5.26E-07	1.82E-03	1.53E-03	6.703E-05	1.899E-06	5.435E-07	0.0015953
264	488299.44, 3856789.39	0.73117	0.81293	0.88767	0.96748	0.82081	1.37E-03	7.132E-05	1.9203E-06	9.171E-07	1.45E-03	1.68E-03	8.74E-05	1.90E-06	5.13E-07	1.77E-03	1.48E-03	6.723E-05	1.84E-06	5.302E-07	0.0015542
265	488349.44, 3856789.39	0.71017	0.81016	0.86389	0.93563	0.8137	1.33E-03	7.107E-05	1.8571E-06	9.092E-07	1.41E-03	1.64E-03	8.71E-05	1.83E-06	5.09E-07	1.72E-03	1.44E-03	6.7E-05	1.78E-06	5.256E-07	0.0015112
266	488399.44, 3856789.39	0.69079	0.80662	0.84232	0.90625	0.80259	1.30E-03	7.076E-05	1.7987E-06	8.967E-07	1.37E-03	1.59E-03	8.67E-05	1.78E-06	5.02E-07	1.68E-03	1.40E-03	6.671E-05	1.724E-06	5.184E-07	0.0014715
267	487949.44, 3856839.39	0.91852	0.92605	1.10325	1.2541	0.98013	1.73E-03	8.124E-05	2.4892E-06	1.095E-06	1.81E-03	2.12E-03	9.96E-05	2.46E-06	6.13E-07	2.22E-03	1.86E-03	7.658E-05	2.386E-06	6.331E-07	0.0019445
268	487999.44, 3856839.39	0.88671	0.93397	1.06988	1.20526	0.96086	1.67E-03	8.193E-05	2.3922E-06	1.074E-06	1.75E-03	2.04E-03	1.00E-04	2.36E-06	6.01E-07	2.15E-03	1.80E-03	7.724E-05	2.293E-06	6.207E-07	0.0018805
269	488049.44, 3856839.39	0.85715	0.93978	1.03873	1.15977	0.94142	1.61E-03	8.244E-05	2.3019E-06	1.052E-06	1.70E-03	1.97E-03	1.01E-04	2.27E-06	5.89E-07	2.08E-03	1.74E-03	7.772E-05	2.206E-06	6.081E-07	0.0018209
270	488099.44, 3856839.39	0.82912	0.94256	1.00844	1.1165	0.92542	1.56E-03	8.269E-05	2.216E-06	1.034E-06	1.64E-03	1.91E-03	1.01E-04	2.19E-06	5.79E-07	2.01E-03	1.68E-03	7.795E-05	2.124E-06	5.978E-07	0.0017641
271	488149.44, 3856839.39	0.803	0.94322	0.97993	1.07616	0.90959	1.51E-03	8.275E-05	2.136E-06	1.016E-06	1.59E-03	1.85E-03	1.01E-04	2.11E-06	5.69E-07	1.95E-03	1.63E-03	7.8E-05	2.047E-06	5.876E-07	0.001711
272	488199.44, 3856839.39	0.77859	0.9419	0.95324	1.03836	0.89345	1.46E-03	8.263E-05	2.061E-06	9.983E-07	1.55E-03	1.79E-03	1.01E-04	2.03E-06	5.59E-07	1.90E-03	1.58E-03	7.789E-05	1.975E-06	5.771E-07	0.0016613
273	487949.44, 3856889.39	0.92512	1.12807	1.13661	1.26883	1.01702	1.74E-03	9.896E-05	2.5184E-06	1.136E-06	1.84E-03	2.13E-03	1.21E-04	2.49E-06	6.36E-07	2.25E-03	1.88E-03	9.329E-05	2.414E-06	6.57E-07	0.0019747
274	487999.44, 3856889.39	0.89152	1.1256	1.09873	1.21552	1.00295	1.68E-03	9.875E-05	2.4126E-06	1.121E-06	1.78E-03	2.05E-03	1.21E-04	2.38E-06	6.27E-07	2.18E-03	1.81E-03	9.309E-05	2.312E-06	6.479E-07	0.0019062
275	488049.44, 3856889.39	0.86239	1.1251	1.06748	1.16885	0.9767	1.62E-03	9.87E-05	2.32E-06	1.091E-06	1.72E-03	1.99E-03	1.21E-04	2.29E-06	6.11E-07	2.11E-03	1.75E-03	9.304E-05	2.223E-06	6.309E-07	0.0018469
276	488099.44, 3856889.39	0.83346	1.11792	1.03427	1.1228	0.9625	1.57E-03	9.807E-05	2.2286E-06	1.075E-06	1.67E-03	1.92E-03	1.20E-04	2.20E-06	6.02E-07	2.04E-03	1.69E-03	9.245E-05	2.136E-06	6.217E-07	0.0017874
277	488635.86, 3857895.05	0.58054	0.67595	0.61837	0.332	1.41963	1.09E-03	5.93E-05	6.5896E-07	1.586E-06	1.15E-03	1.34E-03	7.27E-05	6.50E-07	8.88E-07	1.41E-03	1.18E-03	5.59E-05	6.315E-07	9.17E-07	0.0012362
278	489137.64, 3857804.15	0.45731	0.64002	0.52769	0.33337	0.8897	8.59E-04	5.615E-05	6.6168E-07	9.941E-07	9.17E-04	1.05E-03	6.88E-05	6.53E-07	5.56E-07	1.12E-03	9.29E-04	5.293E-05	6.342E-07	5.747E-07	0.0009827
279	488617.32, 3857859.41	0.59731	0.73049	0.66545	0.35498	1.45773	1.12E-03	6.408E-05	7.0457E-07	1.629E-06	1.19E-03	1.38E-03	7.85E-05	6.95E-07	9.12E-07	1.46E-03	1.21E-03	6.041E-05	6.753E-07	9.416E-07	0.0012748
280	488667.32, 3857859.41	0.57809	0.71657	0.64411	0.35099	1.37129	1.09E-03	6.286E-05	6.9665E-07	1.532E-06	1.15E-03	1.33E-03	7.70E-05	6.88E-07	8.58E-07	1.41E-03	1.17E-03	5.926E-05	6.677E-07	8.858E-07	0.0012346
281	488717.32, 3857859.41	0.56029	0.70274	0.62431	0.34695	1.29387	1.05E-03	6.165E-05	6.8863E-07	1.446E-06	1.12E-03	1.29E-03	7.55E-05	6.80E-07	8.09E-07	1.37E-03	1.14E-03	5.812E-05	6.6E-07	8.358E-07	0.0011972
282	488767.32, 3857859.41	0.5431	0.68668	0.60396	0.3419	1.22792	1.02E-03	6.024E-05	6.7861E-07	1.372E-06	1.08E-03	1.25E-03	7.38E-05	6.70E-07	7.68E-07	1.33E-03	1.10E-03	5.679E-05	6.504E-07	7.932E-07	0.0011609
283	488617.32, 3857909.41	0.58397	0.66151	0.60963	0.32484	1.44774	1.10E-03	5.803E-05	6.4475E-07	1.618E-06	1.16E-03	1.34E-03	7.11E-05	6.36E-07	9.05E-07	1.42E-03	1.19E-03	5.471E-05	6.179E-07	9.352E-07	0.0012419
284	488667.32, 3857909.41	0.56493	0.64806	0.59021	0.32118	1.36094	1.06E-03	5.685E-05	6.3748E-07	1.521E-06	1.12E-03	1.30E-03	6.97E-05	6.29E-07	8.51E-07	1.37E-03	1.15E-03	5.359E-05	6.11E-07	8.791E-07	0.0012021
285	488717.32, 3857909.41	0.54862	0.63981	0.57608	0.31961	1.27518	1.03E-03	5.613E-05	6.3437E-07	1.425E-06	1.09E-03	1.26E-03	6.88E-05	6.26E-07	7.98E-07	1.33E-03	1.11E-03	5.291E-05	6.08E-07	8.237E-07	0.0011682
286	488767.32, 3857909.41	0.53233	0.62737	0.5596	0.31618	1.20559	1.00E-03	5.504E-05	6.2756E-07	1.347E-06	1.06E-03	1.23E-03	6.74E-05	6.19E-07	7.54E-07	1.29E-03	1.08E-03	5.188E-05	6.015E-07	7.788E-07	0.0011341
287	488417.32, 3857959.41	0.65962	0.62685	0.61797	0.30145	1.94459	1.24E-03	5.499E-05	5.9832E-07	2.173E-06	1.30E-03	1.52E-03	6.74E-05	5.91E-07	1.22E-06	1.59E-03	1.34E-03	5.184E-05	5.734E-07	1.256E-06	0.0013929
288	488467.32, 3857959.41	0.63479	0.62094	0.60064	0.30084	1.77471	1.19E-03	5.447E-05	5.9711E-07	1.983E-06	1.25E-03	1.46E-03	6.68E-05	5.89E-07	1.11E-06	1.53E-03	1.29E-03	5.135E-05	5.723E-07	1.146E-06	0.0013419
289	488517.32, 3857959.41	0.61214	0.61381	0.58398	0.29976	1.63268	1.15E-03	5.385E-05	5.9497E-07	1.824E-06	1.21E-03	1.41E-03	6.60E-05	5.87E-07	1.02E-06	1.48E-03	1.24E-03	5.076E-05	5.702E-07	1.055E-06	0.0012953
290	488567.32, 3857959.41	0.59137	0.60579	0.56809	0.29833	1.51183	1.11E-03	5.314E-05	5.9213E-07	1.689E-06	1.17E-03	1.36E-03	6.51E-05	5.84E-07	9.46E-07	1.43E-03	1.20E-03	5.01E-05	5.675E-07	9.766E-07	0.0012523
291	488617.32, 3857959.41	0.57234	0.59827	0.5539	0.29713	1.40538	1.08E-03	5.248E-05	5.8975E-07	1.57E-06	1.13E-03	1.32E-03	6.43E-05	5.82E-07	8.79E-07	1.38E-03	1.16E-03	4.948E-05	5.652E-07	9.078E-07	0.001213
292	488667.32, 3857959.41	0.55463	0.59044	0.54059	0.29579	1.31293	1.04E-03	5.18E-05	5.8709E-07	1.467E-06	1.10E-03	1.28E-03	6.35E-05	5.79E-07	8.21E-07	1.34E-03	1.13E-03	4.883E-05	5.627E-07	8.481E-07	0.0011763
293	488717.32, 3857959.41	0.53817	0.58139	0.52726	0.29388	1.2337	1.01E-03	5.1E-05	5.833E-07	1.378E-06	1.06E-03	1.24E-03	6.25E-05	5.76E-07	7.72E-07	1.30E-03	1.09E-03	4.808E-05	5.59E-07	7.969E-07	0.0011421
294	488767.32, 3857959.41	0.52293	0.57297	0.51521	0.29216	1.16259	9.83E-04	5.026E-05	5.7988E-07	1.299E-06	1.03E-03	1.20E-03	6.16E-05	5.72E-07	7.27E-07	1.27E-03	1.06E-03	4.738E-05	5.558E-07	7.51E-07	0.0011104
295	488417.32, 3858009.41	0.64812	0.55778	0.54552	0.27265	1.83449	1.22E-03	4.893E-05	5.4116E-07	2.05E-06	1.27E-03	1.49E-03	6.00E-05	5.34E-07	1.15E-06	1.55E-03	1.32E-03	4.613E-05	5.186E-07	1.185E-06	0.0013638
296	488467.32, 3858009.41	0.62424	0.55462	0.53381	0.27281	1.67312	1.17E-03	4.866E-05	5.4148E-07	1.869E-06	1.22E-03	1.44E-03	5.96E-05	5.34E-07	1.05E-06	1.50E-03	1.27E-03	4.587E-05	5.19E-07	1.081E-06	0.0013149
297	488517.32, 3858009.41	0.60241	0.55075	0.5224	0.27279	1.53808	1.13E-03	4.832E-05	5.4144E-07	1.719E-06	1.18E-03	1.39E-03	5.92E-05	5.34E-07	9.62E-07	1.45E-03	1.22E-03	4.555E-05	5.189E-07	9.936E-07	0.0012702
298	488567.32, 3858009.41	0.58271	0.5457	0.51099	0.27236	1.4301	1.10E-03	4.787E-05	5.4058E-07	1.598E-06	1.15E-03	1.34E-03	5.87E-05	5.34E-07	8.94E-07	1.40E-03	1.18E-03	4.513E-05	5.181E-07	9.238E-07	0.0012297
299	488617.32, 3858009.41	0.56416	0.54166	0.50125	0.27241	1.32868	1.06E-03	4.752E-05	5.4068E-07	1.485E-06	1.11E-03	1.30E-03	5.82E-05	5.34E-07	8.31E-07	1.36E-03	1.15E-03	4.479E-05	5.182E-07	8.583E-07	0.0011916
300	488667.32, 3858009.41	0.54655	0.53678	0.49172	0.27213	1.2375	1.03E-03	4.709E-05	5.4013E-07	1.383E-06	1.08E-03	1.26E-03	5.77E-05	5.33E-07	7.74E-07	1.32E-03	1.11E-03	4.439E-05	5.177E-07	7.994E-07	0.0011554
301	488717.32, 3858009.41	0.5305	0.53067	0.48199	0.27134	1.16691	9.97E-04	4.655E-05	5.3856E-07	1.304E-06	1.05E-03	1.22E-03	5.70E-05	5.32E-07	7.30E-07	1.28E-03	1.08E-03	4.389E-05	5.162E-07	7.538E-07	0.0011223
302	488767.32, 3858009.41	0.51564	0.52418	0.4726	0.27035	1.10113	9.69E-04	4.598E-05	5.3659E-07	1.23E-06	1.02E-03	1.19E-03	5.64E-05	5.30E-07	6.89E-07	1.24E-03	1.05E-03	4.335E-05	5.143E-07	7.113E-07	0.0010915
303	488417.32, 3858059.41	0.64414	0.49625	0.4801	0.24831	1.63625	1.21E-03	4.353E-05	4.9285E-07	1.828E-06	1.26E-03	1.48E-03	5.33E-05	4.86E-07	1.02E-06	1.54E-03	1.31E-03	4.104E-05	4.723E-07	1.057E-06	0.0013504
304	488467.32, 3858059.41	0.62051	0.49522	0.47298	0.24843	1.51503	1.17E-03	4.344E-05	4.9309E-07	1.693E-06	1.21E-03	1.43E-03	5.32E-05	4.87E-07	9.48E-07	1.48E-03	1.26E-03	4.095E-05	4.726E-07	9.787E-07	0.0013023
305	488517.32, 3858059.41	0.59877	0.49393	0.46592	0.2489	1.39944	1.13E-03	4.333E-05	4.9402E-07	1.564E-06	1.17E-03	1.38E-03	5.31E-05	4.88E-07	8.75E-07	1.43E-03	1.22E-03	4.085E-05	4.735E-07	9.04E-07	0.001258
306	488567.32, 3858059.41	0.57883	0.49175	0.45859	0.24927	1.30157	1.09E-03	4.314E-05	4.9475E-07	1.454E-06	1.13E-03	1.33E-03	5.29E-05	4.88E-07	8.14E-07	1.39E-03	1.18E-03	4.067E-05	4.742E-07	8.408E-07	0.0012172
307	488617.32, 3858059.41	0.55989	0.48909	0.45141	0.24957	1.21713	1.05E-03	4.291E-05	4.9535E-07	1.36E-06	1.10E-03	1.29E-03	5.26E-05	4.89E-07	7.61E-07	1.34E-03	1.14E-03	4.045E-05	4.747E-07	7.862E-07	0.0011785
308	488667.32, 3858059.41	0.54241	0.48679	0.44507	0.25014	1.14266	1.02E-03	4.27E-05	4.9648E-07	1.277E-06	1.06E-03	1.25E-03	5.23E-05	4.90E-07	7.15E-07	1.30E-03	1.10E-03	4.026E-05	4.758E-07	7.381E-07	0.0011428
309	488417.32, 3858109.41	0.64741	0.44478	0.42476	0.22982	1.38073	1.22E-03	3.902E-05	4.5615E-07	1.543E-06	1.26E-03	1.49E-03	4.78E-05	4.50E-07	8.64E-07	1.54E-03	1.31E-03	3.678E-05	4.372E-07	8.919E-07	0.0013526
310	488467.32, 3858109.41	0.62341	0.44428	0.42033	0.22889	1.30451	1.17E-03	3.898E-05	4.543E-07	1.458E-06	1.21E-03	1.44E-03	4.78E-05	4.48E-07	8.16E-07	1.48E-03	1.27E-03	3.674E-05	4.354E-07	8.427E-07	0.0013038
311	488517.32, 3858109.41	0.60147	0.4436	0.41569	0.2286	1.22318	1.13E-03	3.892E-05	4.5373E-07	1.367E-06	1.17E-03	1.39E-03	4.77E-05	4.48E-07	7.65E-07	1.43E-03	1.22E-03	3.669E-05	4.349E-07	7.901E-07	0.0012591
312	488567.32, 3858109.41	0.58002	0.44329	0.41139	0.22902	1.15032	1.09E-03	3.889E-05	4.5456E-07	1.285E-06	1.13E-03	1.34E-03	4.77E-05	4.49E-07	7.19E-07	1.38E-03	1.18E-03	3.666E-05	4.357E-07	7.431E-07	0.0012155
313	488617.32, 3858109.41	0.56021	0.44215	0.40663	0.22944	1.08625	1.05E-03	3.879E-05	4.554E-07	1.214E-06	1.09E-03	1.29E-03	4.75E-05	4.49E-07	6.79E-07	1.34E-03	1.14E-03	3.657E-05	4.365E-07	7.017E-07	0.0011751
314	488667.32, 3858109.41	0.5414	0.44189	0.40283	0.23048	1.02794	1.02E-03	3.877E-05	4.5746E-07	1.149E-06	1.06E-03	1.25E-03	4.75E-05	4.51E-07	6.43E-07	1.30E-03	1.10E-03	3.654E-05	4.384E-07	6.64E-07	0.0011369
315	488769.93, 3858449.27	0.61646	0.24379	0.21954	0.15205	0.41069	1.16E-03	2.139E-05	3.0179E-07	4.589E-07	1.18E-03	1.42E-03	2.62E-05	2.98E-07	2.57E-07	1.45E-03	1.25E-03	2.016E-05	2.892E-07	2.653E-07	0.0012724
316	488819.93, 3858449.27	0.58055	0.24477	0.22005	0.15131	0.40922	1.09E-03	2.147E-05	3.0032E-07	4.572E-07	1.11E-03	1.34E-03	2.63E-05	2.96E-07	2.56E-07	1.36E-03	1.18E-03	2.024E-05	2.878E-07	2.643E-07	0.0011995

317 488819.93, 3858499.27	0.61928	0.22761	0.20474	0.14504	0.36696	1.16E-03	1.997E-05	2.8788E-07	4.1E-07	1.18E-03	1.43E-03	2.45E-05	2.84E-07	2.30E-07	1.45E-03	1.26E-03	1.882E-05	2.759E-07	2.37E-07	0.0012767
318 488869.93, 3858499.27	0.58118	0.22844	0.20525	0.14433	0.36619	1.09E-03	2.004E-05	2.8647E-07	4.091E-07	1.11E-03	1.34E-03	2.46E-05	2.83E-07	2.29E-07	1.36E-03	1.18E-03	1.889E-05	2.746E-07	2.365E-07	0.0011994
319 488869.93, 3858549.27	0.62259	0.21343	0.1919	0.13873	0.33112	1.17E-03	1.872E-05	2.7535E-07	3.7E-07	1.19E-03	1.43E-03	2.29E-05	2.72E-07	2.07E-07	1.46E-03	1.26E-03	1.765E-05	2.639E-07	2.139E-07	0.0012822
320 489438.17, 3859571.48	0.10286	0.09112	0.08516	0.07331	0.11157	1.93E-04	7.994E-06	1.4551E-07	1.247E-07	2.02E-04	2.37E-04	9.80E-06	1.44E-07	6.98E-08	2.47E-04	2.09E-04	7.536E-06	1.395E-07	7.207E-08	0.0002166
321 489488.17, 3859571.48	0.1026	0.09124	0.08523	0.07336	0.11178	1.93E-04	8.004E-06	1.4561E-07	1.249E-07	2.01E-04	2.36E-04	9.81E-06	1.44E-07	6.99E-08	2.46E-04	2.08E-04	7.545E-06	1.395E-07	7.221E-08	0.0002161
322 489538.17, 3859571.48	0.10218	0.09126	0.0852	0.07332	0.11183	1.92E-04	8.006E-06	1.4553E-07	1.249E-07	2.00E-04	2.35E-04	9.81E-06	1.44E-07	6.99E-08	2.45E-04	2.07E-04	7.547E-06	1.395E-07	7.224E-08	0.0002152
323 489588.17, 3859571.48	0.10153	0.09104	0.08496	0.07312	0.11171	1.91E-04	7.987E-06	1.4513E-07	1.248E-07	1.99E-04	2.34E-04	9.79E-06	1.43E-07	6.99E-08	2.44E-04	2.06E-04	7.529E-06	1.391E-07	7.216E-08	0.0002139
324 489438.17, 3859621.48	0.09834	0.08795	0.08241	0.07121	0.10732	1.85E-04	7.716E-06	1.4134E-07	1.199E-07	1.93E-04	2.26E-04	9.45E-06	1.39E-07	6.71E-08	2.36E-04	2.00E-04	7.273E-06	1.355E-07	6.933E-08	0.0002071
325 489488.17, 3859621.48	0.09821	0.08812	0.08253	0.07129	0.10764	1.85E-04	7.73E-06	1.415E-07	1.203E-07	1.93E-04	2.26E-04	9.47E-06	1.40E-07	6.73E-08	2.36E-04	1.99E-04	7.287E-06	1.356E-07	6.953E-08	0.0002069
326 489538.17, 3859621.48	0.09799	0.08825	0.0826	0.07134	0.10786	1.84E-04	7.742E-06	1.416E-07	1.205E-07	1.92E-04	2.26E-04	9.49E-06	1.40E-07	6.75E-08	2.35E-04	1.99E-04	7.298E-06	1.357E-07	6.967E-08	0.0002065
327 489588.17, 3859621.48	0.09771	0.0884	0.0827	0.0714	0.10795	1.84E-04	7.755E-06	1.4172E-07	1.206E-07	1.92E-04	2.25E-04	9.50E-06	1.40E-07	6.75E-08	2.35E-04	1.98E-04	7.311E-06	1.358E-07	6.973E-08	0.0002059
328 489238.17, 3859671.48	0.09318	0.08352	0.07841	0.06816	0.10157	1.75E-04	7.327E-06	1.3529E-07	1.135E-07	1.83E-04	2.15E-04	8.98E-06	1.34E-07	6.35E-08	2.24E-04	1.89E-04	6.907E-06	1.297E-07	6.561E-08	0.0001963
329 489288.17, 3859671.48	0.09347	0.08383	0.07873	0.06839	0.10195	1.76E-04	7.354E-06	1.3574E-07	1.139E-07	1.83E-04	2.15E-04	9.01E-06	1.34E-07	6.38E-08	2.24E-04	1.90E-04	6.933E-06	1.301E-07	6.586E-08	0.0001969
330 489338.17, 3859671.48	0.09379	0.08423	0.07911	0.06868	0.10237	1.76E-04	7.389E-06	1.3632E-07	1.144E-07	1.84E-04	2.16E-04	9.05E-06	1.35E-07	6.40E-08	2.25E-04	1.90E-04	6.966E-06	1.306E-07	6.613E-08	0.0001976
331 489388.17, 3859671.48	0.09413	0.08474	0.07957	0.06903	0.10282	1.77E-04	7.434E-06	1.3701E-07	1.149E-07	1.85E-04	2.17E-04	9.11E-06	1.35E-07	6.43E-08	2.26E-04	1.91E-04	7.008E-06	1.313E-07	6.642E-08	0.0001983
332 489438.17, 3859671.48	0.09417	0.08497	0.07978	0.06918	0.10324	1.77E-04	7.454E-06	1.3731E-07	1.154E-07	1.85E-04	2.17E-04	9.13E-06	1.36E-07	6.46E-08	2.26E-04	1.91E-04	7.027E-06	1.316E-07	6.669E-08	0.0001984
333 489488.17, 3859671.48	0.09431	0.08538	0.08014	0.06945	0.10365	1.77E-04	7.49E-06	1.3785E-07	1.158E-07	1.85E-04	2.17E-04	9.18E-06	1.36E-07	6.48E-08	2.27E-04	1.91E-04	7.061E-06	1.321E-07	6.695E-08	0.0001987
334 489538.17, 3859671.48	0.09425	0.08563	0.08034	0.06959	0.10398	1.77E-04	7.512E-06	1.3812E-07	1.162E-07	1.85E-04	2.17E-04	9.21E-06	1.36E-07	6.50E-08	2.26E-04	1.91E-04	7.081E-06	1.324E-07	6.717E-08	0.0001986
335 489588.17, 3859671.48	0.09411	0.08584	0.08049	0.0697	0.1042	1.77E-04	7.53E-06	1.3834E-07	1.164E-07	1.85E-04	2.17E-04	9.23E-06	1.37E-07	6.52E-08	2.26E-04	1.91E-04	7.099E-06	1.326E-07	6.731E-08	0.0001984
336 489238.17, 3859721.48	0.08922	0.08072	0.07588	0.0662	0.09784	1.68E-04	7.081E-06	1.3139E-07	1.093E-07	1.75E-04	2.05E-04	8.68E-06	1.30E-07	6.12E-08	2.14E-04	1.81E-04	6.675E-06	1.259E-07	6.32E-08	0.000188
337 489288.17, 3859721.48	0.08969	0.08123	0.07638	0.06656	0.09821	1.69E-04	7.126E-06	1.3211E-07	1.097E-07	1.76E-04	2.07E-04	8.73E-06	1.30E-07	6.14E-08	2.15E-04	1.82E-04	6.718E-06	1.266E-07	6.344E-08	0.000189
338 489338.17, 3859721.48	0.09	0.08159	0.07674	0.06683	0.09858	1.69E-04	7.158E-06	1.3265E-07	1.101E-07	1.77E-04	2.07E-04	8.77E-06	1.31E-07	6.17E-08	2.16E-04	1.83E-04	6.747E-06	1.271E-07	6.368E-08	0.0001897
339 489388.17, 3859721.48	0.09024	0.08193	0.07707	0.06707	0.09897	1.70E-04	7.187E-06	1.3312E-07	1.106E-07	1.77E-04	2.08E-04	8.81E-06	1.31E-07	6.19E-08	2.17E-04	1.83E-04	6.776E-06	1.276E-07	6.393E-08	0.0001902
340 489438.17, 3859721.48	0.09036	0.08219	0.07733	0.06727	0.09937	1.70E-04	7.21E-06	1.3352E-07	1.11E-07	1.77E-04	2.08E-04	8.84E-06	1.32E-07	6.22E-08	2.17E-04	1.83E-04	6.797E-06	1.28E-07	6.419E-08	0.0001905
341 489488.17, 3859721.48	0.09061	0.08269	0.07777	0.0676	0.09981	1.70E-04	7.254E-06	1.3417E-07	1.115E-07	1.78E-04	2.09E-04	8.89E-06	1.32E-07	6.24E-08	2.18E-04	1.84E-04	6.838E-06	1.286E-07	6.447E-08	0.000191
342 489538.17, 3859721.48	0.09069	0.08304	0.07807	0.06783	0.1002	1.70E-04	7.285E-06	1.3463E-07	1.12E-07	1.78E-04	2.09E-04	8.93E-06	1.33E-07	6.27E-08	2.18E-04	1.84E-04	6.867E-06	1.29E-07	6.473E-08	0.0001912
343 489588.17, 3859721.48	0.09067	0.08332	0.0783	0.068	0.10052	1.70E-04	7.309E-06	1.3497E-07	1.123E-07	1.78E-04	2.09E-04	8.96E-06	1.33E-07	6.29E-08	2.18E-04	1.84E-04	6.89E-06	1.294E-07	6.493E-08	0.0001912
344 489238.17, 3859771.48	0.08565	0.07812	0.07353	0.06438	0.09436	1.61E-04	6.853E-06	1.2778E-07	1.054E-07	1.68E-04	1.97E-04	8.40E-06	1.26E-07	5.90E-08	2.06E-04	1.74E-04	6.46E-06	1.225E-07	6.095E-08	0.0001805
345 489288.17, 3859771.48	0.08609	0.07861	0.07401	0.06472	0.09469	1.62E-04	6.896E-06	1.2846E-07	1.058E-07	1.69E-04	1.98E-04	8.45E-06	1.27E-07	5.92E-08	2.07E-04	1.75E-04	6.501E-06	1.231E-07	6.117E-08	0.0001815
346 489338.17, 3859771.48	0.08633	0.07888	0.07429	0.06491	0.095	1.62E-04	6.92E-06	1.2883E-07	1.061E-07	1.69E-04	1.99E-04	8.48E-06	1.27E-07	5.94E-08	2.07E-04	1.75E-04	6.523E-06	1.235E-07	6.137E-08	0.000182
347 489388.17, 3859771.48	0.08663	0.07925	0.07467	0.06519	0.09536	1.63E-04	6.952E-06	1.2939E-07	1.065E-07	1.70E-04	1.99E-04	8.52E-06	1.28E-07	5.96E-08	2.08E-04	1.76E-04	6.554E-06	1.24E-07	6.16E-08	0.0001826
348 489438.17, 3859771.48	0.08678	0.0795	0.07492	0.06538	0.09573	1.63E-04	6.974E-06	1.2977E-07	1.07E-07	1.70E-04	2.00E-04	8.55E-06	1.28E-07	5.99E-08	2.09E-04	1.76E-04	6.575E-06	1.244E-07	6.184E-08	0.000183
349 489488.17, 3859771.48	0.08716	0.08011	0.07548	0.0658	0.09617	1.64E-04	7.028E-06	1.306E-07	1.075E-07	1.71E-04	2.01E-04	8.61E-06	1.29E-07	6.01E-08	2.10E-04	1.77E-04	6.625E-06	1.252E-07	6.212E-08	0.0001838
350 489538.17, 3859771.48	0.08737	0.08058	0.07591	0.06613	0.09656	1.64E-04	7.069E-06	1.3126E-07	1.079E-07	1.71E-04	2.01E-04	8.66E-06	1.30E-07	6.04E-08	2.10E-04	1.77E-04	6.664E-06	1.258E-07	6.237E-08	0.0001842
351 489588.17, 3859771.48	0.08737	0.08081	0.07611	0.06628	0.09693	1.64E-04	7.089E-06	1.3155E-07	1.083E-07	1.72E-04	2.01E-04	8.69E-06	1.30E-07	6.06E-08	2.10E-04	1.77E-04	6.683E-06	1.261E-07	6.261E-08	0.0001843
352 489238.17, 3859821.48	0.0823	0.0756	0.07125	0.06262	0.0911	1.55E-04	6.632E-06	1.2429E-07	1.018E-07	1.62E-04	1.90E-04	8.13E-06	1.23E-07	5.70E-08	1.98E-04	1.67E-04	6.252E-06	1.191E-07	5.885E-08	0.0001735
353 489288.17, 3859821.48	0.08274	0.0761	0.07173	0.06294	0.0914	1.55E-04	6.676E-06	1.2492E-07	1.021E-07	1.62E-04	1.91E-04	8.18E-06	1.23E-07	5.72E-08	1.99E-04	1.68E-04	6.293E-06	1.197E-07	5.904E-08	0.0001745
354 489338.17, 3859821.48	0.083	0.0764	0.07204	0.06314	0.09167	1.56E-04	6.702E-06	1.2532E-07	1.024E-07	1.63E-04	1.91E-04	8.21E-06	1.24E-07	5.73E-08	2.00E-04	1.69E-04	6.318E-06	1.201E-07	5.922E-08	0.000175
355 489388.17, 3859821.48	0.08329	0.07674	0.07239	0.06339	0.09199	1.57E-04	6.732E-06	1.2582E-07	1.028E-07	1.63E-04	1.92E-04	8.25E-06	1.24E-07	5.75E-08	2.00E-04	1.69E-04	6.346E-06	1.206E-07	5.942E-08	0.0001756
356 489438.17, 3859821.48	0.08369	0.07725	0.07289	0.06376	0.09235	1.57E-04	6.777E-06	1.2655E-07	1.032E-07	1.64E-04	1.93E-04	8.30E-06	1.25E-07	5.78E-08	2.01E-04	1.70E-04	6.388E-06	1.213E-07	5.966E-08	0.0001765
357 489488.17, 3859821.48	0.08399	0.07774	0.07335	0.06412	0.09273	1.58E-04	6.82E-06	1.2727E-07	1.036E-07	1.65E-04	1.93E-04	8.36E-06	1.26E-07	5.80E-08	2.02E-04	1.71E-04	6.429E-06	1.22E-07	5.99E-08	0.0001771
358 489538.17, 3859821.48	0.08424	0.07821	0.0738	0.06446	0.09309	1.58E-04	6.861E-06	1.2794E-07	1.04E-07	1.65E-04	1.94E-04	8.41E-06	1.26E-07	5.82E-08	2.03E-04	1.71E-04	6.468E-06	1.226E-07	6.013E-08	0.0001777
359 489588.17, 3859821.48	0.0843	0.07848	0.07405	0.06465	0.09347	1.58E-04	6.885E-06	1.2832E-07	1.044E-07	1.66E-04	1.94E-04	8.44E-06	1.27E-07	5.85E-08	2.03E-04	1.71E-04	6.49E-06	1.23E-07	6.038E-08	0.0001778
360 489238.17, 3859871.48	0.07929	0.07329	0.06916	0.06101	0.08806	1.49E-04	6.429E-06	1.2109E-07	9.839E-08	1.56E-04	1.83E-04	7.88E-06	1.20E-07	5.51E-08	1.91E-04	1.61E-04	6.061E-06	1.161E-07	5.688E-08	0.0001672
361 489288.17, 3859871.48	0.07959	0.07365	0.06952	0.06122	0.0883	1.50E-04	6.461E-06	1.2151E-07	9.866E-08	1.56E-04	1.83E-04	7.92E-06	1.20E-07	5.52E-08	1.91E-04	1.62E-04	6.091E-06	1.165E-07	5.704E-08	0.0001679
362 489338.17, 3859871.48	0.0799	0.07402	0.06988	0.06145	0.08856	1.50E-04	6.494E-06	1.2197E-07	9.895E-08	1.57E-04	1.84E-04	7.96E-06	1.20E-07	5.54E-08	1.92E-04	1.62E-04	6.121E-06	1.169E-07	5.721E-08	0.0001685
363 489388.17, 3859871.48	0.08031	0.0745	0.07035	0.06178	0.08885	1.51E-04	6.536E-06	1.2262E-07	9.927E-08	1.58E-04	1.85E-04	8.01E-06	1.21E-07	5.56E-08	1.93E-04	1.63E-04	6.161E-06	1.175E-07	5.739E-08	0.0001694
364 489438.17, 3859871.48	0.08081	0.07515	0.07098	0.06224	0.08917	1.52E-04	6.593E-06	1.2353E-07	9.963E-08	1.59E-04	1.86E-04	8.08E-06	1.22E-07	5.58E-08	1.94E-04	1.64E-04	6.215E-06	1.184E-07	5.76E-08	0.0001705
365 489488.17, 3859871.48	0.08127	0.07585	0.07165	0.06274	0.08946	1.53E-04	6.654E-06	1.2453E-07	9.995E-08	1.60E-04	1.87E-04	8.15E-06	1.23E-07	5.60E-08	1.95E-04	1.65E-04	6.273E-06	1.193E-07	5.779E-08	0.0001715
366 489538.17, 3859871.48	0.08136	0.07604	0.07186	0.0629	0.08981	1.53E-04	6.671E-06	1.2484E-07	1.003E-07	1.60E-04	1.87E-04	8.17E-06	1.23E-07	5.62E-08	1.96E-04	1.65E-04	6.288E-06	1.197E-07	5.801E-08	0.0001717
367 489588.17, 3859871.48	0.08149	0.07638	0.07218	0.06314	0.09016	1.53E-04	6.701E-06	1.2532E-07	1.007E-07	1.60E-04	1.88E-04	8.21E-06	1.24E-07	5.64E-08	1.96E-04	1.65E-04	6.317E-06	1.201E-07	5.824E-08	0.000172
368 489238.17, 3859921.48	0.07659	0.0712	0.06727	0.05956	0.08522	1.44E-04	6.246E-06	1.1822E-07	9.522E-08	1.50E-04	1.76E-04	7.65E-06	1.17E-07	5.33E-08	1.84E-04	1.56E-04	5.888E-06	1.133E-07	5.505E-08	0.0001616
369 489288.17, 3859921.48	0.07697	0.07169	0.06773	0.05984	0.08547	1.45E-04	6.289E-06	1.1877E-07	9.55E-08	1.51E-04	1.77E-04	7.71E-06	1.17E-07	5.35E-08	1.85E-04	1.56E-04	5.929E-06	1.138E-07	5.521E-08	0.0001624
370 489338.17, 3859921.48	0.07726	0.07206	0.06809	0.06005	0.08569	1.45E-04	6.322E-06	1.1919E-07	9.574E-08	1.52E-04	1.78E-04	7.75E-06	1.18E-07	5.36E-08	1.86E-04	1.57E-04	5.959E-06	1.142E-07	5.535E-08	0.000163
371 489388.17, 3859921.48	0.07771	0.07261	0.06862	0.06041	0.08594	1.46E-04	6.37E-06	1.199E-07	9.602E-08	1.53E-04	1.79E-04	7.81E-06	1.18E-07	5.38E-08	1.87E-04	1.58E-04	6.005E-06	1.149E-07	5.551E-08	0.000164
372 489438.17, 3859921.48	0.07823	0.07334	0.06933	0.06092	0.08616	1.47E-04	6.434E-06	1.2091E-07	9.627E-08	1.54E-04	1.80E-04	7.88E-06	1.19E-07	5.39E-08	1.88E-04	1.59E-04	6.065E-06	1.159E-07	5.566E-08	0.0001651
373 489488.17, 3859921.48	0.07851	0.07376	0.06975	0.06122	0.08641	1.48E-04	6.471E-06	1.2151E-07	9.655E-08	1.54E-04	1.81E-04	7.93E-06	1.20E-07	5.40E-08	1.89E-04	1.59E-04	6.1E-06	1.165E-07	5.582E-08	0.0001657
374 489538.17, 3859921.48	0.07868	0.07404	0.07004	0.06144	0.08671	1.48E-04	6.495E-06	1.2195E-07	9.688E-08	1.55E-04	1.81E-04	7.96E-06	1.20E-07	5.42E-08	1.89E-04	1.60E-04	6.123E-06	1.169E-07	5.601E-08	0.000166
375 489588.17, 3859921.48	0.07892	0.0745	0.0705	0.06178	0.08701	1.48E-04	6.536E-06	1.2262E-07	9.722E-08	1.55E-04	1.82E-04	8.01E-06	1.21E-07	5.44E-08	1.90E-04	1.60E-04	6.161E-06	1.175E-07	5.621E-08	0.0001666
376 489238.17, 3859971.48	0.07413	0.06927	0.06552	0.05823	0.08257	1.39E-04	6.077E-06	1.1558E-07	9.226E-08	1.46E-04	1.71E-04	7.45E-06	1.14E-07	5.16E-08	1.78E-04	1.51E-04	5.729E-06	1.108E-07	5.334E-08	0.0001564
377 489288.17, 3859971.48	0.07438	0.06964	0.06587	0.05841	0.08277	1.40E-04	6.109E-06	1.1593E-07	9.248E-08	1.46E-04	1.71E-04	7.49E-06	1.14E-07	5.18E-08	1.79E-04	1.51E-04	5.759E-06	1.111E-07	5.347E-08	0.0001569
378 489338.17, 3859971.48	0.07475	0.07012	0.06633	0.05868	0.08298	1.40E-04	6.151E-06	1.1647E-07	9.271E-08	1.47E-04	1.72E-04	7.54E-06	1.15E-07	5.19E-08	1.80E-04	1.52E-04	5.799E-06	1.116E-07	5.36E-08	0.0001577
379 489388.17, 3859971.48	0.07525	0.0708	0.06697	0.05911	0.08316	1.41E-04	6.211E-06	1.1732E-07	9.292E-08	1.48E-04	1.73E-04	7.61E-06	1.16E-07	5.20E-08	1.81E-04	1.53E-04	5.855E-06	1.124E-07	5.372E-08	0.0001588
380 489438.17, 3859971.48	0.07579	0.07161	0.06775	0.05965	0.08331	1.42E-04	6.282E-06	1.1839E-07	9.308E-08	1.49E-04	1.75E-04	7.70E-06	1.17E-07	5.21E-08	1.82E-04	1.54E-04	5.922E-06	1.135E-07	5.382E-08	0.00016
381 489488.17, 3859971.48	0.07612	0.07251	0.06863	0.06026	0.08276	1.43E-04	6.361E-06	1.196E-07	9.247E-08	1.50E-04	1.75E-04	7.79E-06	1.18E-07	5.18E-08	1.83E-04	1.55E-04	5.996E-06	1.146E-07	5.346E-08	0.0001607
382 489538.17, 3859971.48	0.07635	0.07308	0.06921	0.06066	0.08271	1.43E-04	6.411E-06	1.204E-07	9.241E-08	1.50E-04	1.76E-04	7.86E-06	1.19E-07	5.17E-08	1.84E-04	1.55E-04	6.044E-06	1.154E-07	5.343E-08	0.0001612
383 489588.17, 3859971.48	0.0765	0.07352	0.06966	0.06099	0.08282	1.44E-04	6.45E-06	1.2105E-07	9.254E-08	1.50E-04	1.76E-04	7.90E-06	1.19E-07	5.18E-08	1.84E-04	1.55E-04	6.08E-06	1.16E-07	5.35E-08	0.0001616
384 483577.7, 3854071	0.38274	0.17645	0.11602	0.11989	0.05867	7.19E-04	1.548E-05	2.3796E-07	6.555E-08	7.35E-04	8.81E-04	1.90E-05	2.35E-07	3.67E-08	9.01E-04	7.77E-04	1.459E-05	2.281E-07	3.79E-08	0.000792
385 483627.7, 3854071	0.36703	0.17642	0.11806	0.12341	0.06027	6.90E-04	1.548E-05	2.4495E-07	6.734E-08	7.06E-04	8.45E-04	1.90E-05	2.42E-07	3.77E-08	8.64E-04	7.45E-04	1.459E-05	2.348E-07	3.893E-08	0.0007601
386 483677.7, 3854071	0.35234	0.17554	0.11959	0.12642	0.06108	6.62E-04	1.54E-05	2.5092E-07	6.825E-08	6.78E-04	8.11E-04	1.89E-05	2.48E-07	3.82E-08	8.31E-04	7.15E-04	1.452E-05	2.405E-07	3.946E-08	0.0007302
387 483727.7, 3854071	0.33913	0.17378	0.12048	0.12874	0.06125	6.37E-04	1.525E-05	2.5553E-07	6.844E-08	6.53E-04	7.81E-04	1.87E-05	2.52E-07	3.83E-08	8.00E-04	6.89E-04	1.437E-05	2.449E-07	3.957E-08	0.0007032
388 483777.7, 3854071	0.32433	0.17197	0.12061	0.13038	0.05955	6.09E-04	1.509E-05	2.5878E-07	6.654E-08	6.25E-04	7.47E-04	1.85E-05	2.55E-07	3.72E-08	7.66E-04	6.59E-04	1.422E-05	2.48E-07	3.847E-08	0.000673
389 483577.7, 3854121	0.40439	0.19153	0.12124	0.12288	0.05778	7.60E-04	1.68E-05	2.4389E-07	6.456E-08	7.77E-04	9.31E-04	2.06E-05	2.41E-07	3.61E-08	9.52E-04	8.21E-04	1.584E-05	2.337E-07	3.732E-08	0.0008372
390 483627.7, 3854121	0.38609	0.1934	0.1242	0.12738	0.05873	7.26E-04	1.697E-05	2.5283E-07	6.562E-08	7.43E-04	8.89E-04	2.08E-05	2.50E-07	3.67E-08	9.10E-04	7.84E-04	1.599E-05	2.423E-07	3.794E-08	0.0008002
391 483677.7, 3854121	0.3684	0.19406	0.12663	0.1314	0.05871	6.92E-04	1.702E-05	2.608E-07	6.56E-08	7.10E-04	8.48E-04	2.09E-05	2.57E-07	3.67E-08	8.70E-04	7.48E-04	1.605E-05	2.5E-07	3.792E-08	0.0007643
392 483727.7, 3854121	0.35116	0.19297	0.12784	0.13453	0.05796	6.60E-04	1.693E-05	2.6702E-07	6.476E-08	6.77E-04	8.09E-04	2.07E-05	2.64E-07	3.63E-08	8.30E-04	7.13E-04	1.596E-05	2.559E-07	3.744E-08	0.0007292
393 483777.7, 3854121	0.33802	0.18969	0.12809	0.13658	0.0577	6.35E-04	1.664E-05	2.7109E-07	6.447E-08	6.52E-04	7.78E-04	2.04E-05	2.68E-07	3.61E-08	7.99E-04	6.86E-04	1.569E-05	2.598E-07	3.727E-08	0.0007023
394 483577.7, 3854171	0.42429	0.21019	0.12759	0.12637	0.05539	7.97E-04	1.844E-05	2.5082E-07	6.189E-08	8.16E-04	9.77E-04	2.26E-05	2.48E-07	3.46E-08	1.00E-03	8.61E-04	1.738E-05	2.404E-07	3.578E-08	0.0008791
395 483627.7, 3854171	0.40185	0.21416	0.13131	0.13163	0.05516	7.55E-04	1.879E-05	2.6126E-07	6.163E-08	7.74E-04	9.25E-04	2.30E-05	2.58E-07	3.45E-08	9.49E-04	8.16E-04	1.771E-05	2.504E-07	3.563E-08	0.0008339
396 483677.7, 3854171	0.38343	0.21515	0.13372	0.13614	0.0554	7.21E-04	1.887E-05	2.7021E-07	6.19E-08	7.40E-04	8.83E-04	2.31E-05	2.67E-07	3.46E-08	9.06E-04	7.79E-04	1.779E-05	2.59E-07	3.579E-08	0.0007966

397 483727.7, 3854171	0.36801	0.213	0.13522	0.13987	0.05577	6.92E-04	1.869E-05	2.7762E-07	6.231E-08	7.11E-04	8.47E-04	2.29E-05	2.74E-07	3.49E-08	8.71E-04	7.47E-04	1.761E-05	2.661E-07	3.603E-08	0.0007651
398 483777.7, 3854171	0.3535	0.20947	0.13592	0.1426	0.0555	6.64E-04	1.838E-05	2.8303E-07	6.201E-08	6.83E-04	8.14E-04	2.25E-05	2.79E-07	3.47E-08	8.37E-04	7.18E-04	1.732E-05	2.713E-07	3.585E-08	0.0007354
399 483827.7, 3854171	0.33562	0.20457	0.13431	0.14375	0.05361	6.31E-04	1.795E-05	2.8532E-07	5.99E-08	6.49E-04	7.73E-04	2.20E-05	2.82E-07	3.35E-08	7.95E-04	6.81E-04	1.692E-05	2.734E-07	3.463E-08	0.0006987
400 483877.7, 3854171	0.32317	0.1949	0.13277	0.14413	0.05283	6.07E-04	1.71E-05	2.8607E-07	5.903E-08	6.25E-04	7.44E-04	2.10E-05	2.82E-07	3.30E-08	7.65E-04	6.56E-04	1.612E-05	2.742E-07	3.413E-08	0.0006726
401 483727.7, 3854221	0.38895	0.23547	0.14301	0.14489	0.0539	7.31E-04	2.066E-05	2.8758E-07	6.022E-08	7.52E-04	8.96E-04	2.53E-05	2.84E-07	3.37E-08	9.21E-04	7.90E-04	1.947E-05	2.756E-07	3.482E-08	0.0008095
402 483777.7, 3854221	0.37251	0.23214	0.14421	0.14836	0.05359	7.00E-04	2.036E-05	2.9447E-07	5.988E-08	7.21E-04	8.58E-04	2.50E-05	2.91E-07	3.35E-08	8.83E-04	7.56E-04	1.92E-05	2.822E-07	3.462E-08	0.0007759
403 483827.7, 3854221	0.36382	0.22863	0.14392	0.15121	0.05473	6.84E-04	2.006E-05	3.0012E-07	6.115E-08	7.04E-04	8.38E-04	2.46E-05	2.96E-07	3.42E-08	8.63E-04	7.39E-04	1.891E-05	2.876E-07	3.535E-08	0.0007579
404 483877.7, 3854221	0.34715	0.21721	0.1423	0.15219	0.0534	6.52E-04	1.906E-05	3.0207E-07	5.966E-08	6.72E-04	7.99E-04	2.34E-05	2.98E-07	3.34E-08	8.23E-04	7.05E-04	1.796E-05	2.895E-07	3.449E-08	0.0007231
405 489150.19, 3858726.45	0.52198	0.1751	0.15783	0.11905	0.24389	9.81E-04	1.536E-05	2.3629E-07	2.725E-07	9.97E-04	1.20E-03	1.88E-05	2.33E-07	1.53E-07	1.22E-03	1.06E-03	1.448E-05	2.265E-07	1.575E-07	0.0010747
406 489200.19, 3858726.45	0.48361	0.17547	0.15809	0.11846	0.24414	9.09E-04	1.539E-05	2.3512E-07	2.728E-07	9.25E-04	1.11E-03	1.89E-05	2.32E-07	1.53E-07	1.13E-03	9.82E-04	1.451E-05	2.253E-07	1.577E-07	0.0009968
407 489150.19, 3858776.45	0.53159	0.1658	0.1497	0.11518	0.22686	9.99E-04	1.455E-05	2.2861E-07	2.535E-07	1.01E-03	1.22E-03	1.78E-05	2.26E-07	1.42E-07	1.24E-03	1.08E-03	1.371E-05	2.191E-07	1.465E-07	0.0010934
408 489200.19, 3858776.45	0.48406	0.16605	0.14995	0.11462	0.22666	9.10E-04	1.457E-05	2.275E-07	2.533E-07	9.25E-04	1.11E-03	1.79E-05	2.25E-07	1.42E-07	1.13E-03	9.83E-04	1.373E-05	2.18E-07	1.464E-07	0.0009969
409 488919.6, 3856400.76	0.50596	0.3844	0.59108	0.64964	0.51805	9.51E-04	3.372E-05	1.2894E-06	5.788E-07	9.86E-04	1.17E-03	4.13E-05	1.27E-06	3.24E-07	1.21E-03	1.03E-03	3.179E-05	1.236E-06	3.346E-07	0.0010607
410 488919.6, 3856450.76	0.51223	0.41372	0.60214	0.65759	0.5352	9.63E-04	3.629E-05	1.3052E-06	5.98E-07	1.00E-03	1.18E-03	4.45E-05	1.29E-06	3.35E-07	1.23E-03	1.04E-03	3.421E-05	1.251E-06	3.457E-07	0.0010758
411 488969.6, 3856450.76	0.50255	0.41508	0.59191	0.64368	0.52671	9.44E-04	3.641E-05	1.2776E-06	5.885E-07	9.83E-04	1.16E-03	4.46E-05	1.26E-06	3.29E-07	1.20E-03	1.02E-03	3.433E-05	1.224E-06	3.402E-07	0.0010563
412 488919.6, 3856500.76	0.51809	0.44709	0.61315	0.66464	0.55273	9.74E-04	3.922E-05	1.3192E-06	6.176E-07	1.01E-03	1.19E-03	4.81E-05	1.30E-06	3.46E-07	1.24E-03	1.05E-03	3.697E-05	1.264E-06	3.57E-07	0.0010905
413 488969.6, 3856500.76	0.50803	0.44763	0.60241	0.65014	0.54508	9.55E-04	3.927E-05	1.2904E-06	6.09E-07	9.96E-04	1.17E-03	4.81E-05	1.27E-06	3.41E-07	1.22E-03	1.03E-03	3.702E-05	1.237E-06	3.521E-07	0.0010701
414 488919.6, 3856550.76	0.52333	0.48462	0.62386	0.67052	0.57201	9.83E-04	4.251E-05	1.3309E-06	6.391E-07	1.03E-03	1.21E-03	5.21E-05	1.31E-06	3.58E-07	1.26E-03	1.06E-03	4.008E-05	1.275E-06	3.695E-07	0.0011043
415 488969.6, 3856550.76	0.51308	0.48409	0.61294	0.65567	0.56274	9.64E-04	4.247E-05	1.3014E-06	6.288E-07	1.01E-03	1.18E-03	5.20E-05	1.28E-06	3.52E-07	1.24E-03	1.04E-03	4.003E-05	1.247E-06	3.635E-07	0.0010834
416 488819.6, 3856600.76	0.55047	0.52864	0.65882	0.70798	0.60847	1.03E-03	4.638E-05	1.4052E-06	6.799E-07	1.08E-03	1.27E-03	5.68E-05	1.39E-06	3.81E-07	1.33E-03	1.12E-03	4.372E-05	1.347E-06	3.931E-07	0.0011631
417 488869.6, 3856600.76	0.53915	0.5278	0.64671	0.69148	0.59844	1.01E-03	4.63E-05	1.3725E-06	6.686E-07	1.06E-03	1.24E-03	5.67E-05	1.35E-06	3.74E-07	1.30E-03	1.09E-03	4.365E-05	1.315E-06	3.866E-07	0.00114
418 488919.6, 3856600.76	0.52814	0.52623	0.63479	0.67543	0.58984	9.92E-04	4.616E-05	1.3406E-06	6.59E-07	1.04E-03	1.22E-03	5.66E-05	1.32E-06	3.69E-07	1.27E-03	1.07E-03	4.352E-05	1.285E-06	3.81E-07	0.0011175
419 488819.6, 3856650.76	0.55515	0.5783	0.6704	0.71237	0.62836	1.04E-03	5.073E-05	1.4139E-06	7.021E-07	1.10E-03	1.28E-03	6.22E-05	1.40E-06	3.93E-07	1.34E-03	1.13E-03	4.782E-05	1.355E-06	4.059E-07	0.0011768
420 488869.6, 3856650.76	0.5436	0.57558	0.65791	0.69539	0.61767	1.02E-03	5.049E-05	1.3802E-06	6.901E-07	1.07E-03	1.25E-03	6.19E-05	1.36E-06	3.86E-07	1.32E-03	1.10E-03	4.76E-05	1.323E-06	3.99E-07	0.001153
421 488819.6, 3856700.76	0.55916	0.63297	0.68186	0.71521	0.649	1.05E-03	5.553E-05	1.4196E-06	7.251E-07	1.11E-03	1.29E-03	6.80E-05	1.40E-06	4.06E-07	1.36E-03	1.14E-03	5.235E-05	1.361E-06	4.192E-07	0.0011894
422 488869.6, 3856700.76	0.54746	0.62796	0.66908	0.6979	0.63717	1.03E-03	5.509E-05	1.3852E-06	7.119E-07	1.09E-03	1.26E-03	6.75E-05	1.37E-06	3.99E-07	1.33E-03	1.11E-03	5.193E-05	1.328E-06	4.116E-07	0.0011652
423 488819.6, 3856750.76	0.56275	0.69272	0.69366	0.7166	0.66857	1.06E-03	6.077E-05	1.4223E-06	7.47E-07	1.12E-03	1.30E-03	7.45E-05	1.40E-06	4.18E-07	1.37E-03	1.14E-03	5.729E-05	1.363E-06	4.319E-07	0.0012017
424 488869.6, 3856750.76	0.55074	0.6844	0.68002	0.69869	0.65766	1.03E-03	6.004E-05	1.3868E-06	7.348E-07	1.10E-03	1.27E-03	7.36E-05	1.37E-06	4.11E-07	1.34E-03	1.12E-03	5.66E-05	1.329E-06	4.248E-07	0.0011766
425 488819.6, 3857050.76	0.57442	1.08893	0.76003	0.68437	0.80309	1.08E-03	9.553E-05	1.3583E-06	8.973E-07	1.18E-03	1.32E-03	1.17E-04	1.34E-06	5.02E-07	1.44E-03	1.17E-03	9.005E-05	1.302E-06	5.188E-07	0.0012582
426 488869.6, 3857050.76	0.56164	1.05155	0.74206	0.66575	0.78789	1.06E-03	9.225E-05	1.3214E-06	8.803E-07	1.15E-03	1.29E-03	1.13E-04	1.30E-06	4.93E-07	1.41E-03	1.14E-03	8.696E-05	1.266E-06	5.09E-07	0.0012291
427 488919.6, 3857050.76	0.54952	1.01671	0.72521	0.64829	0.77196	1.03E-03	8.919E-05	1.2867E-06	8.625E-07	1.12E-03	1.27E-03	1.09E-04	1.27E-06	4.83E-07	1.38E-03	1.12E-03	8.408E-05	1.233E-06	4.987E-07	0.0012015
428 488819.6, 3857100.76	0.57568	1.14211	0.76984	0.67267	0.82742	1.08E-03	0.0001002	1.3351E-06	9.245E-07	1.18E-03	1.33E-03	1.23E-04	1.32E-06	5.18E-07	1.45E-03	1.17E-03	9.445E-05	1.28E-06	5.345E-07	0.0012651
429 488869.6, 3857100.76	0.56296	1.10047	0.75157	0.65465	0.80977	1.06E-03	9.654E-05	1.2994E-06	9.048E-07	1.16E-03	1.30E-03	1.18E-04	1.28E-06	5.06E-07	1.42E-03	1.14E-03	9.101E-05	1.245E-06	5.231E-07	0.0012358
430 488919.6, 3857100.76	0.55041	1.06003	0.73319	0.63701	0.79421	1.03E-03	9.299E-05	1.2643E-06	8.874E-07	1.13E-03	1.27E-03	1.14E-04	1.25E-06	4.97E-07	1.38E-03	1.12E-03	8.766E-05	1.212E-06	5.13E-07	0.0012069
431 488819.6, 3857150.76	0.5768	1.1846	0.77887	0.65958	0.85239	1.08E-03	0.0001039	1.3091E-06	9.524E-07	1.19E-03	1.33E-03	1.27E-04	1.29E-06	5.33E-07	1.46E-03	1.17E-03	9.796E-05	1.255E-06	5.506E-07	0.0012709
432 488869.6, 3857150.76	0.56371	1.13774	0.75913	0.64156	0.83449	1.06E-03	9.981E-05	1.2734E-06	9.324E-07	1.16E-03	1.30E-03	1.22E-04	1.26E-06	5.22E-07	1.42E-03	1.14E-03	9.409E-05	1.22E-06	5.391E-07	0.0012404
433 488919.6, 3857150.76	0.55125	1.09437	0.74055	0.62463	0.81637	1.04E-03	9.601E-05	1.2398E-06	9.121E-07	1.13E-03	1.27E-03	1.18E-04	1.22E-06	5.11E-07	1.39E-03	1.12E-03	9.05E-05	1.188E-06	5.273E-07	0.0012115
434 488969.6, 3857150.76	0.53919	1.05335	0.72248	0.60837	0.79921	1.01E-03	9.241E-05	1.2075E-06	8.93E-07	1.11E-03	1.24E-03	1.13E-04	1.19E-06	5.00E-07	1.36E-03	1.09E-03	8.711E-05	1.157E-06	5.163E-07	0.0011835
435 488819.6, 3857200.76	0.57778	1.21399	0.78663	0.64516	0.87842	1.09E-03	0.0001065	1.2805E-06	9.815E-07	1.19E-03	1.33E-03	1.31E-04	1.26E-06	5.49E-07	1.46E-03	1.17E-03	0.0001004	1.227E-06	5.674E-07	0.0012753
436 488869.6, 3857200.76	0.56436	1.16327	0.76568	0.62736	0.85955	1.06E-03	0.000102	1.2452E-06	9.604E-07	1.16E-03	1.30E-03	1.25E-04	1.23E-06	5.38E-07	1.43E-03	1.15E-03	9.62E-05	1.193E-06	5.552E-07	0.0012438
437 488919.6, 3857200.76	0.55166	1.11664	0.74604	0.61068	0.84044	1.04E-03	9.796E-05	1.2121E-06	9.39E-07	1.14E-03	1.27E-03	1.20E-04	1.20E-06	5.26E-07	1.39E-03	1.12E-03	9.234E-05	1.162E-06	5.429E-07	0.0012141
438 488969.6, 3857200.76	0.53961	1.07379	0.7277	0.59509	0.82107	1.01E-03	9.42E-05	1.1811E-06	9.174E-07	1.11E-03	1.24E-03	1.15E-04	1.17E-06	5.14E-07	1.36E-03	1.10E-03	8.88E-05	1.132E-06	5.304E-07	0.0011861
439 488819.6, 3857250.76	0.57882	1.22992	0.7935	0.62984	0.90434	1.09E-03	0.0001079	1.2501E-06	1.01E-06	1.20E-03	1.33E-03	1.32E-04	1.23E-06	5.66E-07	1.47E-03	1.18E-03	0.0001017	1.198E-06	5.842E-07	0.0012787
440 488869.6, 3857250.76	0.56521	1.17715	0.77169	0.61253	0.88366	1.06E-03	0.0001033	1.2158E-06	9.873E-07	1.17E-03	1.30E-03	1.27E-04	1.20E-06	5.53E-07	1.43E-03	1.15E-03	9.735E-05	1.165E-06	5.708E-07	0.0012467
441 488919.6, 3857250.76	0.55216	1.12819	0.75092	0.59612	0.86356	1.04E-03	9.897E-05	1.1832E-06	9.649E-07	1.14E-03	1.27E-03	1.21E-04	1.17E-06	5.40E-07	1.39E-03	1.12E-03	9.33E-05	1.134E-06	5.578E-07	0.0012161
442 488969.6, 3857250.76	0.53968	1.08275	0.73115	0.58057	0.84394	1.01E-03	9.499E-05	1.1523E-06	9.429E-07	1.11E-03	1.24E-03	1.16E-04	1.14E-06	5.28E-07	1.36E-03	1.10E-03	8.954E-05	1.104E-06	5.452E-07	0.0011869
443 488819.6, 3857300.76	0.57941	1.2302	0.798	0.61299	0.93207	1.09E-03	0.0001079	1.2167E-06	1.041E-06	1.20E-03	1.33E-03	1.32E-04	1.20E-06	5.83E-07	1.47E-03	1.18E-03	0.0001017	1.166E-06	6.021E-07	0.0012799
444 488869.6, 3857300.76	0.5655	1.17656	0.77522	0.59614	0.90967	1.06E-03	0.0001032	1.1832E-06	1.016E-06	1.17E-03	1.30E-03	1.26E-04	1.17E-06	5.69E-07	1.43E-03	1.15E-03	9.73E-05	1.134E-06	5.876E-07	0.0012472
445 488919.6, 3857300.76	0.55205	1.12621	0.75312	0.57994	0.88869	1.04E-03	9.88E-05	1.1511E-06	9.929E-07	1.14E-03	1.27E-03	1.21E-04	1.14E-06	5.56E-07	1.39E-03	1.12E-03	9.314E-05	1.103E-06	5.741E-07	0.0012157
446 488819.6, 3857450.76	0.5792	1.15388	0.79678	0.55397	1.01737	1.09E-03	0.0001012	1.0995E-06	1.137E-06	1.19E-03	1.33E-03	1.24E-04	1.09E-06	6.36E-07	1.46E-03	1.18E-03	9.542E-05	1.054E-06	6.572E-07	0.0012731
447 488869.6, 3857450.76	0.56413	1.1053	0.77133	0.53893	0.98883	1.06E-03	9.696E-05	1.0697E-06	1.105E-06	1.16E-03	1.30E-03	1.19E-04	1.06E-06	6.18E-07	1.42E-03	1.15E-03	9.141E-05	1.025E-06	6.388E-07	0.0012385
448 488919.6, 3857450.76	0.54921	1.05785	0.74573	0.52392	0.96364	1.03E-03	9.28E-05	1.0399E-06	1.077E-06	1.13E-03	1.26E-03	1.14E-04	1.03E-06	6.03E-07	1.38E-03	1.12E-03	8.748E-05	9.966E-07	6.225E-07	0.0012042
449 488819.6, 3857500.76	0.57801	1.1096	0.78981	0.53109	1.04502	1.09E-03	9.734E-05	1.0541E-06	1.168E-06	1.19E-03	1.33E-03	1.19E-04	1.04E-06	6.54E-07	1.45E-03	1.17E-03	9.176E-05	1.01E-06	6.75E-07	0.001267
450 488869.6, 3857500.76	0.562	1.06271	0.76239	0.51623	1.01592	1.06E-03	9.323E-05	1.0246E-06	1.135E-06	1.15E-03	1.29E-03	1.14E-04	1.01E-06	6.35E-07	1.41E-03	1.14E-03	8.788E-05	9.82E-07	6.563E-07	0.0012306
451 488919.6, 3857500.76	0.54684	1.019	0.73661	0.50224	0.98767	1.03E-03	8.939E-05	9.9685E-07	1.104E-06	1.12E-03	1.26E-03	1.10E-04	9.84E-07	6.18E-07	1.37E-03	1.11E-03	8.427E-05	9.554E-07	6.38E-07	0.0011962
452 488819.6, 3857550.76	0.57536	1.05714	0.77701	0.50582	1.07351	1.08E-03	9.274E-05	1.004E-06	1.199E-06	1.18E-03	1.32E-03	1.14E-04	9.91E-07	6.71E-07	1.44E-03	1.17E-03	8.742E-05	9.622E-07	6.935E-07	0.0012573
453 488869.6, 3857550.76	0.55914	1.01515	0.74973	0.49227	1.04072	1.05E-03	8.906E-05	9.7707E-07	1.163E-06	1.14E-03	1.29E-03	1.09E-04	9.64E-07	6.51E-07	1.40E-03	1.14E-03	8.395E-05	9.364E-07	6.723E-07	0.0012208
454 488919.6, 3857550.76	0.54349	0.97462	0.72332	0.47907	1.01041	1.02E-03	8.55E-05	9.5087E-07	1.129E-06	1.11E-03	1.25E-03	1.05E-04	9.38E-07	6.32E-07	1.36E-03	1.10E-03	8.06E-05	9.113E-07	6.527E-07	0.0011857
455 489663.71, 3860900.05	0.04378	0.04249	0.04117	0.03836	0.05024	8.23E-05	3.728E-06	7.6138E-08	5.613E-08	8.61E-05	1.01E-04	4.57E-06	7.51E-08	3.14E-08	1.05E-04	8.89E-05	3.514E-06	7.297E-08	3.245E-08	9.251E-05
456 489813.71, 3860900.05	0.04402	0.04279	0.04146	0.03846	0.05051	8.27E-05	3.754E-06	7.6336E-08	5.644E-08	8.66E-05	1.01E-04	4.60E-06	7.53E-08	3.16E-08	1.06E-04	8.94E-05	3.539E-06	7.316E-08	3.263E-08	9.302E-05
457 489863.71, 3860900.05	0.04405	0.04285	0.04149	0.03843	0.05053	8.28E-05	3.759E-06	7.6276E-08	5.646E-08	8.67E-05	1.01E-04	4.61E-06	7.53E-08	3.16E-08	1.06E-04	8.94E-05	3.544E-06	7.31E-08	3.264E-08	9.309E-05
458 489913.71, 3860900.05	0.04421	0.04305	0.04166	0.03851	0.05064	8.31E-05	3.777E-06	7.6435E-08	5.658E-08	8.70E-05	1.02E-04	4.63E-06	7.54E-08	3.17E-08	1.07E-04	8.98E-05	3.56E-06	7.326E-08	3.271E-08	9.343E-05
459 489963.71, 3860900.05	0.04424	0.04313	0.04171	0.03848	0.05066	8.31E-05	3.784E-06	7.6376E-08	5.66E-08	8.71E-05	1.02E-04	4.64E-06	7.54E-08	3.17E-08	1.07E-04	8.98E-05	3.567E-06	7.32E-08	3.272E-08	9.35E-05
460 490013.71, 3860900.05	0.04441	0.04336	0.0419	0.03857	0.05078	8.35E-05	3.804E-06	7.6554E-08	5.674E-08	8.74E-05	1.02E-04	4.66E-06	7.56E-08	3.18E-08	1.07E-04	9.02E-05	3.586E-06	7.337E-08	3.28E-08	9.386E-05
461 490063.71, 3860900.05	0.04451	0.04352	0.04204	0.03861	0.05086	8.36E-05	3.818E-06	7.6634E-08	5.683E-08	8.76E-05	1.02E-04	4.68E-06	7.56E-08	3.18E-08	1.07E-04	9.04E-05	3.599E-06	7.345E-08	3.285E-08	9.408E-05
462 489663.71, 3860950.05	0.04282	0.04159	0.04033	0.03765	0.04908	8.05E-05	3.649E-06	7.4728E-08	5.484E-08	8.42E-05	9.86E-05	4.47E-06	7.38E-08	3.07E-08	1.03E-04	8.69E-05	3.439E-06	7.162E-08	3.17E-08	9.048E-05
463 489813.71, 3860950.05	0.04304	0.04185	0.04059	0.03776	0.04938	8.09E-05	3.671E-06	7.4947E-08	5.517E-08	8.47E-05	9.91E-05	4.50E-06	7.40E-08	3.09E-08	1.04E-04	8.74E-05	3.461E-06	7.183E-08	3.19E-08	9.095E-05
464 489863.71, 3860950.05	0.04304	0.04188	0.04061	0.03772	0.04939	8.09E-05	3.674E-06	7.4867E-08	5.518E-08	8.47E-05	9.91E-05	4.50E-06	7.39E-08	3.09E-08	1.04E-04	8.74E-05	3.463E-06	7.175E-08	3.19E-08	9.095E-05
465 489913.71, 3860950.05	0.04317	0.04204	0.04074	0.03777	0.04948	8.11E-05	3.688E-06	7.4966E-08	5.528E-08	8.49E-05	9.94E-05	4.52E-06	7.40E-08	3.09E-08	1.04E-04	8.77E-05	3.477E-06	7.185E-08	3.196E-08	9.123E-05
466 489963.71, 3860950.05	0.04322	0.04214	0.04081	0.03776	0.04951	8.12E-05	3.697E-06	7.4947E-08	5.532E-08	8.50E-05	9.95E-05	4.53E-06	7.40E-08	3.10E-08	1.04E-04	8.78E-05	3.485E-06	7.183E-08	3.198E-08	9.134E-05
467 490013.71, 3860950.05	0.04333	0.04229	0.04093	0.03779	0.04959	8.14E-05	3.71E-06	7.5006E-08	5.541E-08	8.53E-05	9.98E-05	4.55E-06	7.40E-08	3.10E-08	1.04E-04	8.80E-05	3.497E-06	7.189E-08	3.203E-08	9.158E-05
468 490063.71, 3860950.05	0.04344	0.04246	0.04107	0.03784	0.04967	8.16E-05	3.725E-06	7.5105E-08	5.55E-08	8.55E-05	1.00E-04	4.56E-06	7.41E-08	3.11E-08	1.05E-04	8.82E-05	3.511E-06	7.198E-08	3.209E-08	9.182E-05
469 489513.71, 3861000.05	0.04184	0.04054	0.03928	0.03683	0.04752	7.86E-05	3.556E-06	7.3101E-08	5.309E-08	8.23E-05	9.63E-05	4.36E-06	7.21E-08	2.97E-08	1.01E-04	8.50E-05	3.353E-06	7.006E-08	3.07E-08	8.84E-05
470 489563.71, 3861000.05	0.04184	0.0406	0.03934	0.03686	0.04767	7.86E-05	3.562E-06	7.316E-08	5.326E-08	8.23E-05	9.63E-05	4.36E-06	7.22E-08	2.98E-08	1.01E-04	8.50E-05	3.358E-06	7.012E-08	3.079E-08	8.841E-05
471 489613.71, 3861000.05	0.0419	0.04069	0.03945	0.03693	0.04785	7.87E-05	3.57E-06	7.3299E-08	5.346E-08	8.24E-05	9.65E-05	4.37E-06	7.23E-08	2.99E-08	1.01E-04	8.51E-05	3.365E-06	7.025E-08	3.091E-08	8.854E-05
472 489663.71, 3861000.05	0.04193	0.04075	0.03953	0.03697	0.04799	7.88E-05	3.575E-06	7.3379E-08	5.362E-08	8.25E-05	9.66E-05	4.38E-06	7.24E-08	3.00E-08	1.01E-04	8.51E-05	3.37E-06	7.033E-08	3.1E-08	8.861E-05
473 489713.71, 3861000.05	0.04194	0.04077	0.03957	0.03698	0.04808	7.88E-05	3.577E-06	7.3398E-08	5.372E-08	8.25E-05	9.66E-05	4.38E-06	7.24E-08	3.01E-08	1.01E-04	8.52E-05	3.372E-06	7.035E-08	3.106E-08	8.863E-05
474 489763.71, 3861000.05	0.04199	0.04083	0.03964	0.03701	0.04817	7.89E-05	3.582E-06	7.3458E-08	5.382E-08	8.26E-05	9.67E-05	4.39E-06	7.25E-08	3.01E-08	1.01E-04	8.53E-05	3.377E-06	7.04E-08	3.112E-08	8.873E-05
475 489813.71, 3861000.05	0.04212	0.04098	0.03979	0.0371	0.0483	7.92E-05	3.595E-06	7.3637E-08	5.397E-08	8.29E-05	9.70E-05	4.41E-06	7.27E-08	3.02E-08	1.02E-04	8.55E-05	3.389E-06	7.057E-08	3.12E-08	8.901E-05
476 489863.71, 3861000.05	0.04212	0.04099	0.03979	0.03706	0.04831	7.92E-05	3.596E-06	7.3557E-08	5.398E-08	8.29E-05	9.70E-05	4.41E-06	7.26E-08	3.02E-08	1.02E-04	8.55E-05	3.39E-06	7.05E-08	3.121E-08	8.901E-05

477	489913.71, 3861000.05	0.04223	0.04113	0.03991	0.0371	0.0484	7.94E-05	3.608E-06	7.3637E-08	5.408E-08	8.31E-05	9.72E-05	4.42E-06	7.27E-08	3.03E-08	1.02E-04	8.57E-05	3.401E-06	7.057E-08	3.126E-08	8.925E-05
478	489963.71, 3861000.05	0.04225	0.04119	0.03994	0.03707	0.04841	7.94E-05	3.613E-06	7.3577E-08	5.409E-08	8.31E-05	9.73E-05	4.43E-06	7.26E-08	3.03E-08	1.02E-04	8.58E-05	3.406E-06	7.052E-08	3.127E-08	8.929E-05
479	490013.71, 3861000.05	0.04234	0.04133	0.04005	0.03709	0.04847	7.96E-05	3.626E-06	7.3617E-08	5.416E-08	8.33E-05	9.75E-05	4.44E-06	7.27E-08	3.03E-08	1.02E-04	8.60E-05	3.418E-06	7.055E-08	3.131E-08	8.949E-05
480	490063.71, 3861000.05	0.04243	0.04146	0.04015	0.03711	0.04853	7.97E-05	3.637E-06	7.3656E-08	5.422E-08	8.35E-05	9.77E-05	4.46E-06	7.27E-08	3.04E-08	1.02E-04	8.61E-05	3.429E-06	7.059E-08	3.135E-08	8.968E-05
481	489513.71, 3861050.05	0.04102	0.03976	0.03854	0.0362	0.04646	7.71E-05	3.488E-06	7.185E-08	5.191E-08	8.07E-05	9.45E-05	4.27E-06	7.09E-08	2.91E-08	9.88E-05	8.33E-05	3.288E-06	6.886E-08	3.001E-08	8.667E-05
482	489563.71, 3861050.05	0.04101	0.03981	0.0386	0.03622	0.04661	7.71E-05	3.492E-06	7.189E-08	5.208E-08	8.07E-05	9.44E-05	4.28E-06	7.10E-08	2.92E-08	9.88E-05	8.33E-05	3.292E-06	6.89E-08	3.011E-08	8.666E-05
483	489613.71, 3861050.05	0.04111	0.03996	0.03875	0.03633	0.04682	7.73E-05	3.506E-06	7.2108E-08	5.231E-08	8.09E-05	9.47E-05	4.30E-06	7.12E-08	2.93E-08	9.91E-05	8.35E-05	3.305E-06	6.911E-08	3.024E-08	8.687E-05
484	489663.71, 3861050.05	0.04107	0.03994	0.03876	0.03631	0.04691	7.72E-05	3.504E-06	7.2069E-08	5.241E-08	8.08E-05	9.46E-05	4.29E-06	7.11E-08	2.93E-08	9.90E-05	8.34E-05	3.303E-06	6.907E-08	3.03E-08	8.679E-05
485	489713.71, 3861050.05	0.04106	0.03995	0.03879	0.03631	0.047	7.72E-05	3.505E-06	7.2069E-08	5.251E-08	8.08E-05	9.46E-05	4.29E-06	7.11E-08	2.94E-08	9.89E-05	8.34E-05	3.304E-06	6.907E-08	3.036E-08	8.677E-05
486	489763.71, 3861050.05	0.04111	0.04001	0.03886	0.03635	0.04711	7.73E-05	3.51E-06	7.2148E-08	5.264E-08	8.09E-05	9.47E-05	4.30E-06	7.12E-08	2.95E-08	9.91E-05	8.35E-05	3.309E-06	6.915E-08	3.043E-08	8.688E-05
487	489813.71, 3861050.05	0.04119	0.0401	0.03896	0.03641	0.04722	7.74E-05	3.518E-06	7.2267E-08	5.276E-08	8.10E-05	9.49E-05	4.31E-06	7.13E-08	2.95E-08	9.93E-05	8.36E-05	3.316E-06	6.926E-08	3.05E-08	8.705E-05
488	489863.71, 3861050.05	0.04122	0.04014	0.039	0.0364	0.04727	7.75E-05	3.521E-06	7.2247E-08	5.282E-08	8.11E-05	9.49E-05	4.32E-06	7.13E-08	2.96E-08	9.93E-05	8.37E-05	3.32E-06	6.924E-08	3.053E-08	8.711E-05
489	489913.71, 3861050.05	0.04128	0.04022	0.03907	0.03641	0.04732	7.76E-05	3.528E-06	7.2267E-08	5.287E-08	8.12E-05	9.51E-05	4.32E-06	7.13E-08	2.96E-08	9.95E-05	8.38E-05	3.326E-06	6.926E-08	3.057E-08	8.724E-05
490	489963.71, 3861050.05	0.04133	0.04029	0.03912	0.03641	0.04736	7.77E-05	3.535E-06	7.2267E-08	5.292E-08	8.13E-05	9.52E-05	4.33E-06	7.13E-08	2.96E-08	9.96E-05	8.39E-05	3.332E-06	6.926E-08	3.059E-08	8.735E-05
491	490013.71, 3861050.05	0.04145	0.04045	0.03925	0.03646	0.04744	7.79E-05	3.549E-06	7.2366E-08	5.301E-08	8.16E-05	9.55E-05	4.35E-06	7.14E-08	2.97E-08	9.99E-05	8.42E-05	3.345E-06	6.936E-08	3.064E-08	8.76E-05
492	490063.71, 3861050.05	0.04151	0.04055	0.03932	0.03645	0.04748	7.80E-05	3.557E-06	7.2347E-08	5.305E-08	8.17E-05	9.56E-05	4.36E-06	7.14E-08	2.97E-08	1.00E-04	8.43E-05	3.353E-06	6.934E-08	3.067E-08	8.773E-05
493	489513.71, 3861100.05	0.04031	0.03907	0.03789	0.03564	0.04549	7.58E-05	3.427E-06	7.0739E-08	5.083E-08	7.93E-05	9.28E-05	4.20E-06	6.98E-08	2.85E-08	9.71E-05	8.18E-05	3.231E-06	6.78E-08	2.939E-08	8.517E-05
494	489563.71, 3861100.05	0.0402	0.03904	0.03786	0.03559	0.04557	7.55E-05	3.425E-06	7.064E-08	5.092E-08	7.91E-05	9.26E-05	4.20E-06	6.97E-08	2.85E-08	9.69E-05	8.16E-05	3.229E-06	6.77E-08	2.944E-08	8.495E-05
495	489613.71, 3861100.05	0.0401	0.03898	0.03782	0.03553	0.04564	7.54E-05	3.42E-06	7.052E-08	5.099E-08	7.89E-05	9.23E-05	4.19E-06	6.96E-08	2.85E-08	9.66E-05	8.14E-05	3.224E-06	6.759E-08	2.948E-08	8.474E-05
496	489663.71, 3861100.05	0.04013	0.03905	0.03791	0.03558	0.0458	7.54E-05	3.426E-06	7.062E-08	5.117E-08	7.90E-05	9.24E-05	4.20E-06	6.97E-08	2.86E-08	9.67E-05	8.15E-05	3.229E-06	6.768E-08	2.959E-08	8.481E-05
497	489713.71, 3861100.05	0.04017	0.03911	0.03799	0.03563	0.04593	7.55E-05	3.431E-06	7.0719E-08	5.132E-08	7.90E-05	9.25E-05	4.20E-06	6.98E-08	2.87E-08	9.68E-05	8.16E-05	3.234E-06	6.778E-08	2.967E-08	8.489E-05
498	489763.71, 3861100.05	0.04021	0.03916	0.03806	0.03567	0.04605	7.56E-05	3.435E-06	7.0798E-08	5.145E-08	7.91E-05	9.26E-05	4.21E-06	6.99E-08	2.88E-08	9.69E-05	8.16E-05	3.238E-06	6.785E-08	2.975E-08	8.498E-05
499	489813.71, 3861100.05	0.04029	0.03924	0.03815	0.03572	0.04616	7.57E-05	3.442E-06	7.0898E-08	5.158E-08	7.93E-05	9.28E-05	4.22E-06	7.00E-08	2.89E-08	9.71E-05	8.18E-05	3.245E-06	6.795E-08	2.982E-08	8.515E-05
500	489863.71, 3861100.05	0.0404	0.03936	0.03827	0.0358	0.04628	7.59E-05	3.453E-06	7.1056E-08	5.171E-08	7.95E-05	9.30E-05	4.23E-06	7.01E-08	2.89E-08	9.74E-05	8.20E-05	3.255E-06	6.81E-08	2.99E-08	8.538E-05
501	489913.71, 3861100.05	0.0404	0.03937	0.03828	0.03577	0.0463	7.59E-05	3.454E-06	7.0997E-08	5.173E-08	7.95E-05	9.30E-05	4.23E-06	7.01E-08	2.90E-08	9.74E-05	8.20E-05	3.256E-06	6.804E-08	2.991E-08	8.538E-05
502	489963.71, 3861100.05	0.04046	0.03945	0.03834	0.03578	0.04634	7.60E-05	3.461E-06	7.1017E-08	5.178E-08	7.96E-05	9.32E-05	4.24E-06	7.01E-08	2.90E-08	9.75E-05	8.21E-05	3.262E-06	6.806E-08	2.993E-08	8.551E-05
503	490013.71, 3861100.05	0.04048	0.0395	0.03838	0.03575	0.04636	7.61E-05	3.465E-06	7.0957E-08	5.18E-08	7.97E-05	9.32E-05	4.25E-06	7.00E-08	2.90E-08	9.76E-05	8.22E-05	3.267E-06	6.801E-08	2.995E-08	8.555E-05
504	490063.71, 3861100.05	0.04055	0.0396	0.03846	0.03576	0.04641	7.62E-05	3.474E-06	7.0977E-08	5.185E-08	7.98E-05	9.34E-05	4.26E-06	7.01E-08	2.90E-08	9.77E-05	8.23E-05	3.275E-06	6.802E-08	2.998E-08	8.57E-05
505	489713.71, 3861150.05	0.03933	0.03832	0.03723	0.03497	0.0449	7.39E-05	3.362E-06	6.9409E-08	5.017E-08	7.74E-05	9.06E-05	4.12E-06	6.85E-08	2.81E-08	9.48E-05	7.99E-05	3.169E-06	6.652E-08	2.9E-08	8.312E-05
506	489763.71, 3861150.05	0.03939	0.03838	0.03731	0.03503	0.04504	7.40E-05	3.367E-06	6.9528E-08	5.032E-08	7.75E-05	9.07E-05	4.13E-06	6.86E-08	2.82E-08	9.49E-05	8.00E-05	3.174E-06	6.664E-08	2.909E-08	8.325E-05
507	489813.71, 3861150.05	0.03946	0.03845	0.0374	0.03509	0.04516	7.42E-05	3.373E-06	6.9647E-08	5.046E-08	7.76E-05	9.09E-05	4.13E-06	6.87E-08	2.82E-08	9.51E-05	8.01E-05	3.18E-06	6.675E-08	2.917E-08	8.339E-05
508	489863.71, 3861150.05	0.0395	0.0385	0.03746	0.03512	0.04524	7.42E-05	3.377E-06	6.9707E-08	5.055E-08	7.77E-05	9.10E-05	4.14E-06	6.88E-08	2.83E-08	9.52E-05	8.02E-05	3.184E-06	6.681E-08	2.922E-08	8.348E-05
509	489913.71, 3861150.05	0.03954	0.03854	0.03751	0.03512	0.04529	7.43E-05	3.381E-06	6.9707E-08	5.06E-08	7.78E-05	9.11E-05	4.14E-06	6.88E-08	2.83E-08	9.53E-05	8.03E-05	3.187E-06	6.681E-08	2.926E-08	8.356E-05
510	489963.71, 3861150.05	0.03956	0.03857	0.03754	0.03511	0.04532	7.43E-05	3.384E-06	6.9687E-08	5.064E-08	7.78E-05	9.11E-05	4.15E-06	6.88E-08	2.83E-08	9.53E-05	8.03E-05	3.19E-06	6.679E-08	2.928E-08	8.361E-05
511	490013.71, 3861150.05	0.03959	0.03862	0.03757	0.03509	0.04535	7.44E-05	3.388E-06	6.9647E-08	5.067E-08	7.79E-05	9.12E-05	4.15E-06	6.87E-08	2.84E-08	9.54E-05	8.04E-05	3.194E-06	6.675E-08	2.929E-08	8.367E-05
512	490063.71, 3861150.05	0.03967	0.03874	0.03767	0.03512	0.04541	7.45E-05	3.399E-06	6.9707E-08	5.074E-08	7.81E-05	9.14E-05	4.16E-06	6.88E-08	2.84E-08	9.56E-05	8.05E-05	3.204E-06	6.681E-08	2.933E-08	8.385E-05
513	489613.71, 3861200.05	0.03843	0.03738	0.03629	0.0342	0.04358	7.22E-05	3.279E-06	6.7881E-08	4.869E-08	7.56E-05	8.85E-05	4.02E-06	6.70E-08	2.73E-08	9.26E-05	7.80E-05	3.091E-06	6.506E-08	2.815E-08	8.121E-05
514	489663.71, 3861200.05	0.03848	0.03747	0.0364	0.03427	0.04375	7.23E-05	3.287E-06	6.802E-08	4.888E-08	7.57E-05	8.86E-05	4.03E-06	6.71E-08	2.74E-08	9.27E-05	7.81E-05	3.099E-06	6.519E-08	2.826E-08	8.132E-05
515	489713.71, 3861200.05	0.03853	0.03756	0.0365	0.03434	0.04391	7.24E-05	3.295E-06	6.8159E-08	4.906E-08	7.58E-05	8.87E-05	4.04E-06	6.73E-08	2.75E-08	9.29E-05	7.82E-05	3.106E-06	6.532E-08	2.836E-08	8.143E-05
516	489763.71, 3861200.05	0.03858	0.03762	0.03658	0.0344	0.04405	7.25E-05	3.3E-06	6.8278E-08	4.922E-08	7.59E-05	8.88E-05	4.04E-06	6.74E-08	2.76E-08	9.30E-05	7.83E-05	3.111E-06	6.544E-08	2.845E-08	8.154E-05
517	489813.71, 3861200.05	0.03865	0.03769	0.03667	0.03446	0.04418	7.26E-05	3.306E-06	6.8397E-08	4.936E-08	7.61E-05	8.90E-05	4.05E-06	6.75E-08	2.76E-08	9.32E-05	7.85E-05	3.117E-06	6.555E-08	2.854E-08	8.169E-05
518	489863.71, 3861200.05	0.03873	0.03777	0.03677	0.03453	0.0443	7.28E-05	3.313E-06	6.8536E-08	4.95E-08	7.62E-05	8.92E-05	4.06E-06	6.76E-08	2.77E-08	9.33E-05	7.86E-05	3.124E-06	6.568E-08	2.862E-08	8.185E-05
519	489913.71, 3861200.05	0.03875	0.03779	0.0368	0.03453	0.04436	7.28E-05	3.315E-06	6.8536E-08	4.956E-08	7.63E-05	8.92E-05	4.06E-06	6.76E-08	2.77E-08	9.34E-05	7.87E-05	3.125E-06	6.568E-08	2.866E-08	8.19E-05
520	489963.71, 3861200.05	0.03876	0.0378	0.03682	0.03451	0.04438	7.28E-05	3.316E-06	6.8496E-08	4.959E-08	7.63E-05	8.93E-05	4.06E-06	6.76E-08	2.78E-08	9.34E-05	7.87E-05	3.126E-06	6.565E-08	2.867E-08	8.192E-05
521	490013.71, 3861200.05	0.0388	0.03786	0.03687	0.03452	0.04442	7.29E-05	3.321E-06	6.8516E-08	4.963E-08	7.64E-05	8.93E-05	4.07E-06	6.76E-08	2.78E-08	9.35E-05	7.88E-05	3.131E-06	6.567E-08	2.869E-08	8.2E-05
522	490063.71, 3861200.05	0.03883	0.03791	0.03691	0.0345	0.04445	7.30E-05	3.326E-06	6.8476E-08	4.966E-08	7.64E-05	8.94E-05	4.08E-06	6.76E-08	2.78E-08	9.36E-05	7.88E-05	3.135E-06	6.563E-08	2.871E-08	8.207E-05
523	489513.71, 3861250.05	0.03756	0.03631	0.03534	0.03345	0.04225	7.06E-05	3.185E-06	6.6392E-08	4.721E-08	7.39E-05	8.65E-05	3.90E-06	6.55E-08	2.64E-08	9.05E-05	7.63E-05	3.003E-06	6.363E-08	2.729E-08	7.935E-05
524	489563.71, 3861250.05	0.03765	0.03651	0.03549	0.03354	0.04245	7.08E-05	3.203E-06	6.6571E-08	4.743E-08	7.41E-05	8.67E-05	3.92E-06	6.57E-08	2.65E-08	9.07E-05	7.64E-05	3.019E-06	6.38E-08	2.742E-08	7.955E-05
525	489613.71, 3861250.05	0.0377	0.03666	0.03562	0.03362	0.04264	7.08E-05	3.216E-06	6.6729E-08	4.764E-08	7.42E-05	8.68E-05	3.94E-06	6.59E-08	2.67E-08	9.08E-05	7.65E-05	3.032E-06	6.395E-08	2.754E-08	7.967E-05
526	489663.71, 3861250.05	0.03773	0.03675	0.0357	0.03366	0.04279	7.09E-05	3.224E-06	6.6809E-08	4.781E-08	7.42E-05	8.69E-05	3.95E-06	6.59E-08	2.68E-08	9.09E-05	7.66E-05	3.039E-06	6.403E-08	2.764E-08	7.974E-05
527	489713.71, 3861250.05	0.03777	0.03683	0.0358	0.03373	0.04296	7.10E-05	3.231E-06	6.6948E-08	4.8E-08	7.43E-05	8.70E-05	3.96E-06	6.61E-08	2.69E-08	9.10E-05	7.67E-05	3.046E-06	6.416E-08	2.775E-08	7.983E-05
528	489763.71, 3861250.05	0.03782	0.0369	0.03588	0.03379	0.0431	7.11E-05	3.237E-06	6.7067E-08	4.816E-08	7.44E-05	8.71E-05	3.97E-06	6.62E-08	2.70E-08	9.12E-05	7.68E-05	3.052E-06	6.428E-08	2.784E-08	7.993E-05
529	489813.71, 3861250.05	0.03787	0.03696	0.03596	0.03385	0.04323	7.12E-05	3.242E-06	6.7186E-08	4.83E-08	7.45E-05	8.72E-05	3.97E-06	6.63E-08	2.70E-08	9.13E-05	7.69E-05	3.057E-06	6.439E-08	2.793E-08	8.004E-05
530	489863.71, 3861250.05	0.03792	0.037	0.03603	0.03389	0.04334	7.13E-05	3.246E-06	6.7265E-08	4.842E-08	7.46E-05	8.73E-05	3.98E-06	6.64E-08	2.71E-08	9.14E-05	7.70E-05	3.06E-06	6.447E-08	2.8E-08	8.014E-05
531	489913.71, 3861250.05	0.03798	0.03706	0.03611	0.03394	0.04343	7.14E-05	3.251E-06	6.7365E-08	4.852E-08	7.47E-05	8.75E-05	3.98E-06	6.65E-08	2.72E-08	9.15E-05	7.71E-05	3.065E-06	6.456E-08	2.805E-08	8.027E-05
532	489963.71, 3861250.05	0.03802	0.0371	0.03616	0.03396	0.04349	7.14E-05	3.255E-06	6.7404E-08	4.859E-08	7.48E-05	8.76E-05	3.99E-06	6.65E-08	2.72E-08	9.16E-05	7.72E-05	3.068E-06	6.46E-08	2.809E-08	8.036E-05
533	490013.71, 3861250.05	0.03805	0.03713	0.03619	0.03395	0.04353	7.15E-05	3.257E-06	6.7384E-08	4.864E-08	7.49E-05	8.76E-05	3.99E-06	6.65E-08	2.72E-08	9.17E-05	7.73E-05	3.071E-06	6.458E-08	2.812E-08	8.042E-05
534	490063.71, 3861250.05	0.03804	0.03714	0.03619	0.03391	0.04353	7.15E-05	3.258E-06	6.7305E-08	4.864E-08	7.49E-05	8.76E-05	3.99E-06	6.64E-08	2.72E-08	9.17E-05	7.72E-05	3.071E-06	6.451E-08	2.812E-08	8.04E-05
535	489528.13, 3861308.47	0.03671	0.03548	0.03456	0.03277	0.04122	6.90E-05	3.113E-06	6.5042E-08	4.606E-08	7.22E-05	8.45E-05	3.81E-06	6.42E-08	2.58E-08	8.84E-05	7.45E-05	2.934E-06	6.234E-08	2.663E-08	7.756E-05
536	489578.13, 3861308.47	0.03677	0.03566	0.03469	0.03284	0.0414	6.91E-05	3.128E-06	6.5181E-08	4.626E-08	7.23E-05	8.47E-05	3.83E-06	6.43E-08	2.59E-08	8.86E-05	7.47E-05	2.949E-06	6.247E-08	2.674E-08	7.77E-05
537	489628.13, 3861308.47	0.03682	0.0358	0.03481	0.03291	0.04157	6.92E-05	3.141E-06	6.532E-08	4.645E-08	7.24E-05	8.48E-05	3.85E-06	6.45E-08	2.60E-08	8.87E-05	7.48E-05	2.961E-06	6.26E-08	2.685E-08	7.781E-05
538	489678.13, 3861308.47	0.03688	0.03593	0.03493	0.03299	0.04175	6.93E-05	3.152E-06	6.5479E-08	4.665E-08	7.26E-05	8.49E-05	3.86E-06	6.46E-08	2.61E-08	8.89E-05	7.49E-05	2.971E-06	6.276E-08	2.697E-08	7.794E-05
539	489728.13, 3861308.47	0.03693	0.03603	0.03503	0.03306	0.04192	6.94E-05	3.161E-06	6.5618E-08	4.684E-08	7.27E-05	8.50E-05	3.87E-06	6.48E-08	2.62E-08	8.90E-05	7.50E-05	2.98E-06	6.289E-08	2.708E-08	7.805E-05
540	489778.13, 3861308.47	0.03696	0.03608	0.0351	0.0331	0.04205	6.95E-05	3.165E-06	6.5697E-08	4.698E-08	7.27E-05	8.51E-05	3.88E-06	6.48E-08	2.63E-08	8.91E-05	7.50E-05	2.984E-06	6.296E-08	2.716E-08	7.812E-05
541	489678.13, 3861358.47	0.03616	0.03522	0.03425	0.0324	0.04085	6.80E-05	3.09E-06	6.4308E-08	4.564E-08	7.12E-05	8.33E-05	3.79E-06	6.35E-08	2.55E-08	8.71E-05	7.34E-05	2.913E-06	6.163E-08	2.639E-08	7.642E-05
542	489728.13, 3861358.47	0.0362	0.03532	0.03435	0.03246	0.04101	6.80E-05	3.099E-06	6.4427E-08	4.582E-08	7.12E-05	8.34E-05	3.80E-06	6.36E-08	2.56E-08	8.72E-05	7.35E-05	2.921E-06	6.175E-08	2.649E-08	7.651E-05
543	489528.13, 3861408.47	0.03528	0.03399	0.03322	0.03161	0.03947	6.63E-05	2.982E-06	6.274E-08	4.41E-08	6.94E-05	8.12E-05	3.65E-06	6.19E-08	2.47E-08	8.50E-05	7.16E-05	2.811E-06	6.013E-08	2.55E-08	7.453E-05
544	489578.13, 3861408.47	0.03534	0.03419	0.03335	0.03168	0.03963	6.64E-05	2.999E-06	6.2879E-08	4.428E-08	6.95E-05	8.14E-05	3.68E-06	6.21E-08	2.48E-08	8.51E-05	7.18E-05	2.827E-06	6.026E-08	2.56E-08	7.467E-05
545	489628.13, 3861408.47	0.03546	0.03443	0.03353	0.0318	0.03984	6.66E-05	3.02E-06	6.3117E-08	4.451E-08	6.98E-05	8.17E-05	3.70E-06	6.23E-08	2.49E-08	8.54E-05	7.20E-05	2.847E-06	6.049E-08	2.574E-08	7.493E-05
546	489678.13, 3861408.47	0.03548	0.03454	0.03362	0.03184	0.03998	6.67E-05	3.03E-06	6.3197E-08	4.467E-08	6.98E-05	8.17E-05	3.71E-06	6.24E-08	2.50E-08	8.55E-05	7.20E-05	2.856E-06	6.057E-08	2.583E-08	7.498E-05
547	489728.13, 3861408.47	0.03549	0.03463	0.03369	0.03188	0.04012	6.67E-05	3.038E-06	6.3276E-08	4.483E-08	6.98E-05	8.17E-05	3.72E-06	6.25E-08	2.51E-08	8.55E-05	7.21E-05	2.864E-06	6.064E-08	2.592E-08	7.501E-05
548	489528.13, 3861458.47	0.03464	0.03331	0.03261	0.0311	0.03867	6.51E-05	2.922E-06	6.1728E-08	4.321E-08	6.81E-05	7.98E-05	3.58E-06	6.09E-08	2.42E-08	8.34E-05	7.03E-05	2.755E-06	5.916E-08	2.498E-08	7.317E-05
549	489578.13, 3861458.47	0.03471	0.03353	0.03275	0.03117	0.03882	6.52E-05	2.941E-06	6.1867E-08	4.337E-08	6.83E-05	7.99E-05	3.60E-06	6.11E-08	2.43E-08	8.36E-05	7.05E-05	2.773E-06	5.929E-08	2.508E-08	7.333E-05
550	489628.13, 3861458.47	0.03476	0.03371	0.03287	0.03123	0.03898	6.53E-05	2.957E-06	6.1986E-08	4.355E-08	6.84E-05	8.00E-05	3.62E-06	6.12E-08	2.44E-08	8.38E-05	7.06E-05	2.788E-06	5.941E-08	2.518E-08	7.345E-05
551	489678.13, 3861458.47	0.03479	0.03385	0.03297	0.03128	0.03913	6.54E-05	2.97E-06	6.2085E-08	4.372E-08	6.85E-05	8.01E-05	3.64E-06	6.13E-08	2.45E-08	8.38E-05	7.06E-05	2.799E-06	5.95E-08	2.528E-08	7.352E-05
552	489728.13, 3861458.47	0.03478	0.03392	0.03302	0.03129	0.03924	6.54E-05	2.976E-06	6.2105E-08	4.384E-08	6.84E-05	8.01E-05	3.65E-06	6.13E-08	2.45E-08	8.38E-05	7.06E-05	2.805E-06	5.952E-08	2.535E-08	7.351E-05
553	489528.13, 3861508.47	0.034	0.03263	0.03201	0.03058	0.03789	6.39E-05	2.863E-06	6.0696E-08	4.234E-08	6.69E-05	7.83E-05	3.51E-06	5.99E-08	2.37E-08	8.19E-05	6.90E-05	2.698E-06	5.817E-08	2.448E-08	7.181E-05
554	489578.13, 3861508.47	0.03405	0.03283	0.03212	0.03063	0.03801	6.40E-05	2.88E-06	6.0795E-08	4.247E-08	6.70E-05	7.84E-05	3.53E-06	6.00E-08	2.38E-08	8.20E-05	6.91E-05	2.715E-06	5.827E-08	2.455E-08	7.193E-05
555	489628.13, 3861508.47	0.03408	0.033	0.03223	0.03067	0.03815	6.40E-05	2.895E-06	6.0874E-08	4.263E-08	6.70E-05	7.85E-05	3.55E-06	6.01E-08	2.39E-08	8.21E-05	6.92E-05	2.729E-06	5.834E-08	2.464E-08	7.201E-05
556	489678.13, 3861508.47	0.0341	0.03314	0.03231	0.03071	0.03828	6.41E-05	2.907E-06	6.0954E-08	4.277E-08	6.71E-05	7.85E-05	3.56E-06	6.02E-08	2.39E-08	8.22E-05	6.92E-05	2.741E-06	5.842E-08	2.473E-08	7.206E-05

557 489728.13, 3861508.47	0.03412	0.03325	0.03239	0.03074	0.03841	6.41E-05	2.917E-06	6.1013E-08	4.292E-08	6.71E-05	7.86E-05	3.57E-06	6.02E-08	2.40E-08	8.22E-05	6.93E-05	2.75E-06	5.848E-08	2.481E-08	7.211E-05
558 489628.13, 3861558.47	0.03349	0.03237	0.03166	0.03018	0.03739	6.29E-05	2.84E-06	5.9902E-08	4.178E-08	6.59E-05	7.71E-05	3.48E-06	5.91E-08	2.34E-08	8.07E-05	6.80E-05	2.677E-06	5.741E-08	2.415E-08	7.076E-05
559 489678.13, 3861558.47	0.03355	0.03257	0.03179	0.03026	0.03755	6.30E-05	2.857E-06	6.0061E-08	4.196E-08	6.60E-05	7.73E-05	3.50E-06	5.93E-08	2.35E-08	8.08E-05	6.81E-05	2.693E-06	5.756E-08	2.426E-08	7.089E-05
560 489728.13, 3861558.47	0.03357	0.03269	0.03187	0.0303	0.03768	6.31E-05	2.868E-06	6.014E-08	4.21E-08	6.61E-05	7.73E-05	3.51E-06	5.94E-08	2.36E-08	8.09E-05	6.82E-05	2.703E-06	5.764E-08	2.434E-08	7.095E-05
561 489357.08, 3861015.81	0.04149	0.03986	0.03871	0.03648	0.04663	7.80E-05	3.497E-06	7.2406E-08	5.21E-08	8.16E-05	9.55E-05	4.29E-06	7.15E-08	2.92E-08	9.99E-05	8.42E-05	3.296E-06	6.939E-08	3.012E-08	8.764E-05
562 489407.08, 3861015.81	0.04146	0.03997	0.03877	0.03647	0.04676	7.79E-05	3.506E-06	7.2386E-08	5.225E-08	8.15E-05	9.55E-05	4.30E-06	7.14E-08	2.92E-08	9.99E-05	8.42E-05	3.305E-06	6.938E-08	3.021E-08	8.758E-05
563 489457.08, 3861015.81	0.04148	0.0401	0.03887	0.03652	0.04693	7.79E-05	3.518E-06	7.2485E-08	5.244E-08	8.16E-05	9.55E-05	4.31E-06	7.15E-08	2.94E-08	9.99E-05	8.42E-05	3.316E-06	6.947E-08	3.032E-08	8.764E-05
564 489357.08, 3861065.81	0.04065	0.03902	0.03795	0.03583	0.04558	7.64E-05	3.423E-06	7.1116E-08	5.093E-08	7.99E-05	9.36E-05	4.19E-06	7.02E-08	2.85E-08	9.79E-05	8.25E-05	3.227E-06	6.816E-08	2.944E-08	8.586E-05
565 489407.08, 3861065.81	0.04062	0.03913	0.038	0.03582	0.0457	7.63E-05	3.433E-06	7.1096E-08	5.106E-08	7.99E-05	9.35E-05	4.21E-06	7.02E-08	2.86E-08	9.78E-05	8.25E-05	3.236E-06	6.814E-08	2.952E-08	8.581E-05
566 489457.08, 3861065.81	0.04064	0.03928	0.0381	0.03586	0.04587	7.64E-05	3.446E-06	7.1175E-08	5.125E-08	7.99E-05	9.36E-05	4.22E-06	7.02E-08	2.87E-08	9.79E-05	8.25E-05	3.248E-06	6.821E-08	2.963E-08	8.586E-05
567 489357.08, 3861115.81	0.03981	0.03815	0.03718	0.03517	0.04456	7.48E-05	3.347E-06	6.9806E-08	4.979E-08	7.83E-05	9.17E-05	4.10E-06	6.89E-08	2.79E-08	9.59E-05	8.08E-05	3.155E-06	6.69E-08	2.878E-08	8.408E-05
568 489407.08, 3861115.81	0.03986	0.03836	0.0373	0.03523	0.04472	7.49E-05	3.365E-06	6.9925E-08	4.997E-08	7.84E-05	9.18E-05	4.12E-06	6.90E-08	2.80E-08	9.60E-05	8.09E-05	3.172E-06	6.702E-08	2.889E-08	8.42E-05
569 489457.08, 3861115.81	0.0399	0.03853	0.03742	0.03528	0.04489	7.50E-05	3.38E-06	7.0024E-08	5.016E-08	7.85E-05	9.19E-05	4.14E-06	6.91E-08	2.81E-08	9.61E-05	8.10E-05	3.186E-06	6.711E-08	2.9E-08	8.429E-05
570 489407.08, 3861165.81	0.03911	0.03759	0.03661	0.03464	0.04376	7.35E-05	3.298E-06	6.8754E-08	4.889E-08	7.69E-05	9.01E-05	4.04E-06	6.79E-08	2.74E-08	9.42E-05	7.94E-05	3.109E-06	6.589E-08	2.827E-08	8.261E-05
571 489457.08, 3861165.81	0.0391	0.03773	0.03668	0.03465	0.04388	7.35E-05	3.31E-06	6.8774E-08	4.903E-08	7.69E-05	9.00E-05	4.06E-06	6.79E-08	2.74E-08	9.42E-05	7.94E-05	3.12E-06	6.591E-08	2.835E-08	8.26E-05
572 489407.08, 3861215.81	0.03814	0.0366	0.03571	0.03387	0.04268	7.17E-05	3.211E-06	6.7226E-08	4.769E-08	7.50E-05	8.78E-05	3.93E-06	6.63E-08	2.67E-08	9.19E-05	7.74E-05	3.027E-06	6.443E-08	2.757E-08	8.056E-05
573 489457.08, 3861215.81	0.03816	0.03678	0.03581	0.03391	0.04281	7.17E-05	3.227E-06	6.7305E-08	4.783E-08	7.51E-05	8.79E-05	3.95E-06	6.64E-08	2.68E-08	9.19E-05	7.75E-05	3.042E-06	6.451E-08	2.765E-08	8.061E-05
574 489407.08, 3861265.81	0.0372	0.03563	0.03484	0.03312	0.04163	6.99E-05	3.126E-06	6.5737E-08	4.651E-08	7.31E-05	8.57E-05	3.83E-06	6.49E-08	2.60E-08	8.96E-05	7.55E-05	2.947E-06	6.3E-08	2.689E-08	7.857E-05
575 489457.08, 3861265.81	0.03728	0.03586	0.03499	0.03319	0.04178	7.01E-05	3.146E-06	6.5876E-08	4.668E-08	7.33E-05	8.58E-05	3.86E-06	6.50E-08	2.61E-08	8.98E-05	7.57E-05	2.966E-06	6.314E-08	2.699E-08	7.875E-05
576 489309.86, 3861110.14	0.03982	0.03801	0.03712	0.03517	0.04452	7.48E-05	3.334E-06	6.9806E-08	4.974E-08	7.83E-05	9.17E-05	4.09E-06	6.89E-08	2.78E-08	9.59E-05	8.08E-05	3.143E-06	6.69E-08	2.876E-08	8.409E-05
577 489407.08, 3861315.81	0.03646	0.03485	0.03415	0.03253	0.04073	6.85E-05	3.057E-06	6.4566E-08	4.551E-08	7.17E-05	8.40E-05	3.75E-06	6.37E-08	2.55E-08	8.78E-05	7.40E-05	2.882E-06	6.188E-08	2.631E-08	7.7E-05
578 489457.08, 3861315.81	0.03654	0.0351	0.0343	0.03261	0.04088	6.87E-05	3.079E-06	6.4725E-08	4.568E-08	7.19E-05	8.41E-05	3.77E-06	6.39E-08	2.56E-08	8.80E-05	7.42E-05	2.903E-06	6.203E-08	2.641E-08	7.718E-05
579 488906.03, 3861006.75	0.04152	0.03863	0.03824	0.03642	0.04644	7.80E-05	3.389E-06	7.2287E-08	5.189E-08	8.15E-05	9.56E-05	4.15E-06	7.13E-08	2.90E-08	9.99E-05	8.43E-05	3.195E-06	6.928E-08	3E-08	8.76E-05
580 488956.03, 3861006.75	0.04168	0.03884	0.03844	0.03659	0.04649	7.83E-05	3.407E-06	7.2624E-08	5.194E-08	8.19E-05	9.60E-05	4.18E-06	7.17E-08	2.91E-08	1.00E-04	8.46E-05	3.212E-06	6.96E-08	3.003E-08	8.794E-05
581 488904.24, 3861051.87	0.04135	0.03856	0.03818	0.03635	0.04585	7.77E-05	3.383E-06	7.2148E-08	5.123E-08	8.12E-05	9.52E-05	4.15E-06	7.12E-08	2.87E-08	9.95E-05	8.40E-05	3.189E-06	6.915E-08	2.962E-08	8.724E-05
582 488954.24, 3861051.87	0.04111	0.03832	0.03796	0.03616	0.04571	7.73E-05	3.362E-06	7.1771E-08	5.107E-08	8.07E-05	9.47E-05	4.12E-06	7.08E-08	2.86E-08	9.89E-05	8.35E-05	3.169E-06	6.879E-08	2.953E-08	8.674E-05
583 489004.24, 3861051.87	0.04133	0.03862	0.03822	0.03638	0.04579	7.77E-05	3.388E-06	7.2208E-08	5.116E-08	8.12E-05	9.52E-05	4.15E-06	7.13E-08	2.86E-08	9.94E-05	8.39E-05	3.194E-06	6.92E-08	2.958E-08	8.721E-05
584 488804.24, 3861101.87	0.04015	0.03754	0.03702	0.03529	0.04477	7.55E-05	3.293E-06	7.0044E-08	5.002E-08	7.89E-05	9.25E-05	4.04E-06	6.91E-08	2.80E-08	9.66E-05	8.15E-05	3.105E-06	6.713E-08	2.892E-08	8.472E-05
585 488854.24, 3861101.87	0.04027	0.03759	0.03717	0.03544	0.04482	7.57E-05	3.298E-06	7.0342E-08	5.008E-08	7.91E-05	9.27E-05	4.04E-06	6.94E-08	2.80E-08	9.69E-05	8.18E-05	3.109E-06	6.742E-08	2.895E-08	8.497E-05
586 488904.24, 3861101.87	0.03981	0.03709	0.03675	0.03508	0.04456	7.48E-05	3.254E-06	6.9627E-08	4.979E-08	7.82E-05	9.17E-05	3.99E-06	6.87E-08	2.79E-08	9.58E-05	8.08E-05	3.067E-06	6.673E-08	2.878E-08	8.399E-05
587 488954.24, 3861101.87	0.03969	0.03697	0.03666	0.03501	0.04445	7.46E-05	3.243E-06	6.9488E-08	4.966E-08	7.79E-05	9.14E-05	3.97E-06	6.86E-08	2.78E-08	9.55E-05	8.06E-05	3.057E-06	6.66E-08	2.871E-08	8.374E-05
588 489004.24, 3861101.87	0.03974	0.03707	0.03674	0.03507	0.04444	7.47E-05	3.252E-06	6.9607E-08	4.965E-08	7.81E-05	9.15E-05	3.99E-06	6.87E-08	2.78E-08	9.56E-05	8.07E-05	3.066E-06	6.671E-08	2.871E-08	8.385E-05
589 488804.24, 3861151.87	0.03872	0.03624	0.03572	0.03412	0.04348	7.28E-05	3.179E-06	6.7722E-08	4.858E-08	7.61E-05	8.92E-05	3.90E-06	6.68E-08	2.72E-08	9.32E-05	7.86E-05	2.997E-06	6.49E-08	2.809E-08	8.171E-05
590 488854.24, 3861151.87	0.03864	0.03607	0.03567	0.0341	0.04343	7.26E-05	3.164E-06	6.7682E-08	4.852E-08	7.59E-05	8.90E-05	3.88E-06	6.68E-08	2.72E-08	9.30E-05	7.85E-05	2.983E-06	6.487E-08	2.805E-08	8.153E-05
591 489129.49, 3861187.55	0.03819	0.03579	0.03543	0.03387	0.04269	7.18E-05	3.14E-06	6.7226E-08	4.77E-08	7.50E-05	8.79E-05	3.85E-06	6.63E-08	2.67E-08	9.19E-05	7.75E-05	2.96E-06	6.443E-08	2.758E-08	8.059E-05
592 489179.49, 3861187.55	0.03822	0.03595	0.0355	0.0339	0.0427	7.18E-05	3.154E-06	6.7285E-08	4.771E-08	7.51E-05	8.80E-05	3.86E-06	6.64E-08	2.67E-08	9.20E-05	7.76E-05	2.973E-06	6.449E-08	2.758E-08	8.067E-05
593 488804.24, 3861201.87	0.03796	0.03561	0.03506	0.03352	0.0426	7.13E-05	3.124E-06	6.6531E-08	4.76E-08	7.46E-05	8.74E-05	3.83E-06	6.57E-08	2.66E-08	9.13E-05	7.71E-05	2.945E-06	6.376E-08	2.752E-08	8.011E-05
594 488854.24, 3861201.87	0.03777	0.03532	0.03491	0.0334	0.04248	7.10E-05	3.099E-06	6.6293E-08	4.746E-08	7.42E-05	8.70E-05	3.80E-06	6.54E-08	2.66E-08	9.09E-05	7.67E-05	2.921E-06	6.354E-08	2.744E-08	7.97E-05
595 489129.49, 3861237.55	0.03751	0.03512	0.03482	0.03333	0.04187	7.05E-05	3.081E-06	6.6154E-08	4.678E-08	7.37E-05	8.64E-05	3.78E-06	6.53E-08	2.62E-08	9.02E-05	7.62E-05	2.904E-06	6.34E-08	2.705E-08	7.915E-05
596 489179.49, 3861237.55	0.03746	0.03518	0.03481	0.0333	0.04182	7.04E-05	3.086E-06	6.6094E-08	4.673E-08	7.36E-05	8.63E-05	3.78E-06	6.52E-08	2.62E-08	9.01E-05	7.61E-05	2.909E-06	6.334E-08	2.701E-08	7.906E-05
597 488804.24, 3861251.87	0.03726	0.03504	0.03446	0.03297	0.04177	7.00E-05	3.074E-06	6.5439E-08	4.667E-08	7.32E-05	8.58E-05	3.77E-06	6.46E-08	2.61E-08	8.97E-05	7.57E-05	2.898E-06	6.272E-08	2.698E-08	7.864E-05
598 488854.24, 3861251.87	0.03705	0.03471	0.03428	0.03283	0.04163	6.96E-05	3.045E-06	6.5161E-08	4.651E-08	7.28E-05	8.53E-05	3.73E-06	6.43E-08	2.60E-08	8.91E-05	7.52E-05	2.87E-06	6.245E-08	2.689E-08	7.819E-05
599 488804.24, 3861301.87	0.03648	0.03439	0.03377	0.03235	0.04089	6.86E-05	3.017E-06	6.4209E-08	4.569E-08	7.17E-05	8.40E-05	3.70E-06	6.34E-08	2.56E-08	8.78E-05	7.41E-05	2.844E-06	6.154E-08	2.641E-08	7.7E-05
600 488854.24, 3861301.87	0.03635	0.03413	0.03366	0.03227	0.04081	6.83E-05	2.994E-06	6.405E-08	4.56E-08	7.14E-05	8.37E-05	3.67E-06	6.32E-08	2.55E-08	8.75E-05	7.38E-05	2.823E-06	6.139E-08	2.636E-08	7.671E-05
601 490943.5, 3860181.97	0.06029	0.05883	0.05607	0.0494	0.06939	1.13E-04	5.161E-06	9.805E-08	7.753E-08	1.19E-04	1.39E-04	6.32E-06	9.68E-08	4.34E-08	1.45E-04	1.22E-04	4.865E-06	9.397E-08	4.482E-08	0.0001274
602 490993.5, 3860181.97	0.06015	0.05854	0.05581	0.0491	0.06903	1.13E-04	5.136E-06	9.7454E-08	7.713E-08	1.18E-04	1.39E-04	6.29E-06	9.62E-08	4.32E-08	1.45E-04	1.22E-04	4.841E-06	9.34E-08	4.459E-08	0.0001271
603 491043.5, 3860181.97	0.06004	0.05831	0.05559	0.04883	0.06875	1.13E-04	5.115E-06	9.6919E-08	7.682E-08	1.18E-04	1.38E-04	6.27E-06	9.57E-08	4.30E-08	1.45E-04	1.22E-04	4.822E-06	9.289E-08	4.441E-08	0.0001269
604 491093.5, 3860181.97	0.05988	0.05803	0.05533	0.04853	0.06847	1.13E-04	5.091E-06	9.6323E-08	7.65E-08	1.18E-04	1.38E-04	6.24E-06	9.51E-08	4.28E-08	1.44E-04	1.22E-04	4.799E-06	9.232E-08	4.423E-08	0.0001265
605 490943.5, 3860231.97	0.05869	0.05765	0.055	0.04865	0.06797	1.10E-04	5.057E-06	9.6561E-08	7.594E-08	1.16E-04	1.35E-04	6.20E-06	9.53E-08	4.25E-08	1.41E-04	1.19E-04	4.768E-06	9.254E-08	4.391E-08	0.0001241
606 490993.5, 3860231.97	0.05864	0.05748	0.05485	0.04844	0.06763	1.10E-04	5.043E-06	9.6144E-08	7.556E-08	1.15E-04	1.35E-04	6.18E-06	9.49E-08	4.23E-08	1.41E-04	1.19E-04	4.754E-06	9.215E-08	4.369E-08	0.000124
607 491043.5, 3860231.97	0.05839	0.05711	0.05451	0.04807	0.06722	1.10E-04	5.01E-06	9.541E-08	7.511E-08	1.15E-04	1.34E-04	6.14E-06	9.42E-08	4.20E-08	1.41E-04	1.19E-04	4.723E-06	9.144E-08	4.342E-08	0.0001234
608 491093.5, 3860231.97	0.05818	0.05677	0.0542	0.04773	0.06687	1.09E-04	4.98E-06	9.4735E-08	7.471E-08	1.14E-04	1.34E-04	6.10E-06	9.35E-08	4.18E-08	1.40E-04	1.18E-04	4.695E-06	9.079E-08	4.32E-08	0.000123
609 490943.5, 3860281.97	0.05725	0.05656	0.05402	0.04796	0.06668	1.08E-04	4.962E-06	9.5192E-08	7.45E-08	1.13E-04	1.32E-04	6.08E-06	9.39E-08	4.17E-08	1.38E-04	1.16E-04	4.677E-06	9.123E-08	4.307E-08	0.0001211
610 490993.5, 3860281.97	0.05712	0.05633	0.05381	0.0477	0.06628	1.07E-04	4.942E-06	9.4676E-08	7.406E-08	1.12E-04	1.32E-04	6.06E-06	9.34E-08	4.15E-08	1.38E-04	1.16E-04	4.658E-06	9.074E-08	4.281E-08	0.0001208
611 491043.5, 3860281.97	0.05689	0.05599	0.0535	0.04736	0.06584	1.07E-04	4.912E-06	9.4001E-08	7.356E-08	1.12E-04	1.31E-04	6.02E-06	9.28E-08	4.12E-08	1.37E-04	1.16E-04	4.63E-06	9.009E-08	4.253E-08	0.0001203
612 491093.5, 3860281.97	0.05667	0.05566	0.05319	0.04702	0.06546	1.06E-04	4.883E-06	9.3326E-08	7.314E-08	1.12E-04	1.31E-04	5.98E-06	9.21E-08	4.09E-08	1.37E-04	1.15E-04	4.603E-06	8.944E-08	4.229E-08	0.0001198
613 490943.5, 3860331.97	0.05593	0.05553	0.05308	0.04729	0.06551	1.05E-04	4.871E-06	9.3862E-08	7.32E-08	1.10E-04	1.29E-04	5.97E-06	9.26E-08	4.10E-08	1.35E-04	1.14E-04	4.592E-06	8.996E-08	4.232E-08	0.0001183
614 490993.5, 3860331.97	0.05564	0.05515	0.05274	0.04692	0.06499	1.05E-04	4.838E-06	9.3128E-08	7.261E-08	1.10E-04	1.28E-04	5.93E-06	9.19E-08	4.06E-08	1.34E-04	1.13E-04	4.561E-06	8.925E-08	4.198E-08	0.0001177
615 491043.5, 3860331.97	0.05539	0.05481	0.05242	0.04658	0.06452	1.04E-04	4.808E-06	9.2453E-08	7.209E-08	1.09E-04	1.28E-04	5.89E-06	9.12E-08	4.04E-08	1.34E-04	1.12E-04	4.533E-06	8.861E-08	4.168E-08	0.0001171
616 491093.5, 3860331.97	0.05517	0.0545	0.05213	0.04626	0.0641	1.04E-04	4.781E-06	9.1818E-08	7.162E-08	1.09E-04	1.27E-04	5.86E-06	9.06E-08	4.01E-08	1.33E-04	1.12E-04	4.507E-06	8.8E-08	4.141E-08	0.0001167
617 490086.72, 3859935.12	0.0753	0.07252	0.06851	0.06026	0.08738	1.42E-04	6.362E-06	1.196E-07	9.763E-08	1.48E-04	1.73E-04	7.80E-06	1.18E-07	5.47E-08	1.81E-04	1.53E-04	5.997E-06	1.146E-07	5.644E-08	0.0001591
618 490136.72, 3859935.12	0.07477	0.07214	0.06814	0.05994	0.08689	1.41E-04	6.329E-06	1.1897E-07	9.708E-08	1.47E-04	1.72E-04	7.76E-06	1.17E-07	5.43E-08	1.80E-04	1.52E-04	5.966E-06	1.14E-07	5.613E-08	0.0001579
619 490186.72, 3859935.12	0.07424	0.07174	0.06775	0.0596	0.08629	1.40E-04	6.294E-06	1.1829E-07	9.641E-08	1.46E-04	1.71E-04	7.71E-06	1.17E-07	5.40E-08	1.79E-04	1.51E-04	5.933E-06	1.134E-07	5.574E-08	0.0001568
620 490236.72, 3859935.12	0.07374	0.0713	0.06734	0.05921	0.08561	1.39E-04	6.255E-06	1.1752E-07	9.565E-08	1.45E-04	1.70E-04	7.66E-06	1.16E-07	5.35E-08	1.78E-04	1.50E-04	5.896E-06	1.126E-07	5.53E-08	0.0001558
621 490286.72, 3859935.12	0.07323	0.07079	0.06687	0.05877	0.08487	1.38E-04	6.21E-06	1.1665E-07	9.483E-08	1.44E-04	1.69E-04	7.61E-06	1.15E-07	5.31E-08	1.76E-04	1.49E-04	5.854E-06	1.118E-07	5.482E-08	0.0001547
622 490336.72, 3859935.12	0.07276	0.07026	0.06639	0.0583	0.08411	1.37E-04	6.164E-06	1.1571E-07	9.398E-08	1.43E-04	1.68E-04	7.55E-06	1.14E-07	5.26E-08	1.75E-04	1.48E-04	5.81E-06	1.109E-07	5.433E-08	0.0001537
623 490386.72, 3859935.12	0.0724	0.06979	0.06596	0.05787	0.08337	1.36E-04	6.122E-06	1.1486E-07	9.315E-08	1.42E-04	1.67E-04	7.50E-06	1.13E-07	5.21E-08	1.74E-04	1.47E-04	5.772E-06	1.101E-07	5.385E-08	0.0001529
624 490436.72, 3859935.12	0.07206	0.0693	0.06551	0.05741	0.08264	1.35E-04	6.079E-06	1.1395E-07	9.233E-08	1.42E-04	1.66E-04	7.45E-06	1.12E-07	5.17E-08	1.74E-04	1.46E-04	5.731E-06	1.092E-07	5.338E-08	0.0001522
625 490486.72, 3859935.12	0.07181	0.06887	0.06513	0.05699	0.08198	1.35E-04	6.042E-06	1.1311E-07	9.16E-08	1.41E-04	1.65E-04	7.40E-06	1.12E-07	5.13E-08	1.73E-04	1.46E-04	5.695E-06	1.084E-07	5.296E-08	0.0001517
626 490536.72, 3859935.12	0.07181	0.0687	0.06497	0.05674	0.08146	1.35E-04	6.027E-06	1.1262E-07	9.102E-08	1.41E-04	1.65E-04	7.39E-06	1.11E-07	5.09E-08	1.73E-04	1.46E-04	5.681E-06	1.079E-07	5.262E-08	0.0001516
627 490586.72, 3859935.12	0.0719	0.06861	0.06491	0.05656	0.08101	1.35E-04	6.019E-06	1.1226E-07	9.051E-08	1.41E-04	1.66E-04	7.38E-06	1.11E-07	5.07E-08	1.73E-04	1.46E-04	5.674E-06	1.076E-07	5.233E-08	0.0001518
628 490636.72, 3859935.12	0.07186	0.06838	0.0647	0.05627	0.08058	1.35E-04	5.999E-06	1.1169E-07	9.003E-08	1.41E-04	1.65E-04	7.35E-06	1.10E-07	5.04E-08	1.73E-04	1.46E-04	5.655E-06	1.07E-07	5.205E-08	0.0001517
629 490686.72, 3859935.12	0.0721	0.06849	0.06481	0.05621	0.08029	1.35E-04	6.008E-06	1.1157E-07	8.971E-08	1.42E-04	1.66E-04	7.36E-06	1.10E-07	5.02E-08	1.74E-04	1.46E-04	5.664E-06	1.069E-07	5.186E-08	0.0001522
630 490736.72, 3859935.12	0.0722	0.06846	0.06479	0.05606	0.08003	1.36E-04	6.006E-06	1.1127E-07	8.942E-08	1.42E-04	1.66E-04	7.36E-06	1.10E-07	5.01E-08	1.74E-04	1.47E-04	5.662E-06	1.066E-07	5.17E-08	0.0001524
631 490086.72, 3859985.12	0.07335	0.07083	0.06704	0.05909	0.08519	1.38E-04	6.214E-06	1.1728E-07	9.518E-08	1.44E-04	1.69E-04	7.61E-06	1.16E-07	5.33E-08	1.77E-04	1.49E-04	5.858E-06	1.124E-07	5.503E-08	0.000155
632 490136.72, 3859985.12	0.07284	0.0705	0.06671	0.05882	0.08484	1.37E-04	6.185E-06	1.1675E-07	9.479E-08	1.43E-04	1.68E-04	7.58E-06	1.15E-07	5.31E-08	1.75E-04	1.48E-04	5.83E-06	1.119E-07	5.48E-08	0.0001539
633 490186.72, 3859985.12	0.07238	0.0702	0.06641	0.05856	0.08439	1.36E-04	6.158E-06	1.1623E-07	9.429E-08	1.42E-04	1.67E-04	7.55E-06	1.15E-07	5.28E-08	1.74E-04	1.47E-04	5.805E-06	1.114E-07	5.451E-08	0.0001529
634 490236.72, 3859985.12	0.07195	0.0699	0.06612	0.05829	0.08385	1.35E-04	6.132E-06	1.1569E-07	9.369E-08	1.42E-04	1.66E-04	7.51E-06	1.14E-07	5.24E-08	1.73E-04	1.46E-04	5.781E-06	1.109E-07	5.416E-08	0.000152
635 490286.72, 3859985.12	0.07143	0.06944	0.06569	0.0579	0.0832	1.34E-04	6.092E-06	1.1492E-07	9.296E-08	1.41E-04	1.64E-04	7.46E-06	1.13E-07	5.20E-08	1.72E-04	1.45E-04	5.743E-06	1.101E-07	5.374E-08	0.0001509
636 490336.72, 3859985.12	0.07093	0.06895	0.06523	0.05746	0.08249	1.33E-04	6.049E-06	1.1405E-07	9.217E-08	1.40E-04	1.63E-04	7.41E-06	1.13E-07	5.16E-08	1.71E-04	1.44E-04	5.702E-06	1.093E-07	5.329E-08	0.0001499

637	490386.72, 3859985.12	0.07039	0.06835	0.06468	0.05695	0.08173	1.32E-04	5.996E-06	1.1304E-07	9.132E-08	1.38E-04	1.62E-04	7.35E-06	1.12E-07	5.11E-08	1.70E-04	1.43E-04	5.652E-06	1.083E-07	5.279E-08	0.0001487
638	490436.72, 3859985.12	0.06997	0.06785	0.06422	0.05649	0.08099	1.31E-04	5.952E-06	1.1212E-07	9.049E-08	1.38E-04	1.61E-04	7.29E-06	1.11E-07	5.07E-08	1.69E-04	1.42E-04	5.611E-06	1.075E-07	5.232E-08	0.0001478
639	490486.72, 3859985.12	0.06965	0.0674	0.06381	0.05607	0.0803	1.31E-04	5.913E-06	1.1129E-07	8.972E-08	1.37E-04	1.60E-04	7.25E-06	1.10E-07	5.02E-08	1.68E-04	1.41E-04	5.574E-06	1.067E-07	5.187E-08	0.0001471
640	490536.72, 3859985.12	0.06947	0.06708	0.06352	0.05573	0.07968	1.31E-04	5.885E-06	1.1061E-07	8.903E-08	1.37E-04	1.60E-04	7.21E-06	1.09E-07	4.98E-08	1.67E-04	1.41E-04	5.547E-06	1.06E-07	5.147E-08	0.0001468
641	490586.72, 3859985.12	0.06941	0.06686	0.06333	0.05546	0.07915	1.30E-04	5.865E-06	1.1008E-07	8.844E-08	1.36E-04	1.60E-04	7.19E-06	1.09E-07	4.95E-08	1.67E-04	1.41E-04	5.529E-06	1.055E-07	5.113E-08	0.0001466
642	490636.72, 3859985.12	0.06944	0.06674	0.06323	0.05526	0.07869	1.30E-04	5.855E-06	1.0968E-07	8.792E-08	1.37E-04	1.60E-04	7.17E-06	1.08E-07	4.92E-08	1.67E-04	1.41E-04	5.519E-06	1.051E-07	5.083E-08	0.0001467
643	490686.72, 3859985.12	0.06965	0.06682	0.06332	0.0552	0.07833	1.31E-04	5.862E-06	1.0956E-07	8.752E-08	1.37E-04	1.60E-04	7.18E-06	1.08E-07	4.90E-08	1.68E-04	1.41E-04	5.526E-06	1.05E-07	5.06E-08	0.0001471
644	490736.72, 3859985.12	0.06959	0.06658	0.06309	0.0549	0.07796	1.31E-04	5.841E-06	1.0897E-07	8.711E-08	1.37E-04	1.60E-04	7.16E-06	1.08E-07	4.88E-08	1.68E-04	1.41E-04	5.506E-06	1.044E-07	5.036E-08	0.000147
645	490786.72, 3859985.12	0.06955	0.06636	0.0629	0.05462	0.07766	1.31E-04	5.822E-06	1.0841E-07	8.677E-08	1.37E-04	1.60E-04	7.13E-06	1.07E-07	4.86E-08	1.67E-04	1.41E-04	5.488E-06	1.039E-07	5.017E-08	0.0001469
646	490086.72, 3860035.12	0.07144	0.06913	0.06555	0.0579	0.08294	1.34E-04	6.065E-06	1.1492E-07	9.267E-08	1.41E-04	1.65E-04	7.43E-06	1.13E-07	5.19E-08	1.72E-04	1.45E-04	5.717E-06	1.101E-07	5.358E-08	0.0001509
647	490136.72, 3860035.12	0.07102	0.06889	0.0653	0.0577	0.08275	1.33E-04	6.044E-06	1.1452E-07	9.246E-08	1.40E-04	1.64E-04	7.41E-06	1.13E-07	5.18E-08	1.71E-04	1.44E-04	5.697E-06	1.098E-07	5.345E-08	0.0001501
648	490186.72, 3860035.12	0.07058	0.06862	0.06503	0.05747	0.08244	1.33E-04	6.02E-06	1.1407E-07	9.211E-08	1.39E-04	1.63E-04	7.38E-06	1.13E-07	5.16E-08	1.70E-04	1.43E-04	5.675E-06	1.093E-07	5.325E-08	0.0001491
649	490236.72, 3860035.12	0.07012	0.06831	0.06472	0.05721	0.08201	1.32E-04	5.993E-06	1.1355E-07	9.163E-08	1.38E-04	1.61E-04	7.34E-06	1.12E-07	5.13E-08	1.69E-04	1.42E-04	5.649E-06	1.088E-07	5.298E-08	0.0001482
650	490286.72, 3860035.12	0.06961	0.06791	0.06433	0.05686	0.08147	1.31E-04	5.958E-06	1.1286E-07	9.103E-08	1.37E-04	1.60E-04	7.30E-06	1.11E-07	5.10E-08	1.68E-04	1.41E-04	5.616E-06	1.082E-07	5.263E-08	0.0001471
651	490336.72, 3860035.12	0.06919	0.06757	0.06401	0.05656	0.08088	1.30E-04	5.928E-06	1.1226E-07	9.037E-08	1.36E-04	1.59E-04	7.26E-06	1.11E-07	5.06E-08	1.67E-04	1.40E-04	5.588E-06	1.076E-07	5.225E-08	0.0001462
652	490386.72, 3860035.12	0.06863	0.06701	0.06349	0.05609	0.08017	1.29E-04	5.879E-06	1.1133E-07	8.958E-08	1.35E-04	1.58E-04	7.20E-06	1.10E-07	5.01E-08	1.65E-04	1.39E-04	5.542E-06	1.067E-07	5.179E-08	0.000145
653	490436.72, 3860035.12	0.06815	0.0665	0.06302	0.05564	0.07945	1.28E-04	5.834E-06	1.1044E-07	8.877E-08	1.34E-04	1.57E-04	7.15E-06	1.09E-07	4.97E-08	1.64E-04	1.38E-04	5.499E-06	1.058E-07	5.132E-08	0.000144
654	490486.72, 3860035.12	0.06775	0.06603	0.06259	0.05521	0.07874	1.27E-04	5.793E-06	1.0958E-07	8.798E-08	1.33E-04	1.56E-04	7.10E-06	1.08E-07	4.92E-08	1.63E-04	1.38E-04	5.461E-06	1.05E-07	5.086E-08	0.0001432
655	490536.72, 3860035.12	0.06747	0.06567	0.06226	0.05485	0.07809	1.27E-04	5.761E-06	1.0887E-07	8.725E-08	1.33E-04	1.55E-04	7.06E-06	1.07E-07	4.88E-08	1.63E-04	1.37E-04	5.431E-06	1.043E-07	5.044E-08	0.0001426
656	490586.72, 3860035.12	0.06724	0.06532	0.06194	0.05449	0.07747	1.26E-04	5.73E-06	1.0815E-07	8.656E-08	1.32E-04	1.55E-04	7.02E-06	1.07E-07	4.85E-08	1.62E-04	1.37E-04	5.402E-06	1.037E-07	5.004E-08	0.0001421
657	490636.72, 3860035.12	0.06698	0.06489	0.06156	0.05408	0.07687	1.26E-04	5.693E-06	1.0734E-07	8.589E-08	1.32E-04	1.54E-04	6.98E-06	1.06E-07	4.81E-08	1.61E-04	1.36E-04	5.366E-06	1.029E-07	4.966E-08	0.0001415
658	490686.72, 3860035.12	0.06696	0.06472	0.06141	0.05384	0.07642	1.26E-04	5.678E-06	1.0686E-07	8.539E-08	1.32E-04	1.54E-04	6.96E-06	1.05E-07	4.78E-08	1.61E-04	1.36E-04	5.352E-06	1.024E-07	4.936E-08	0.0001415
659	490736.72, 3860035.12	0.06718	0.06483	0.06151	0.0538	0.07608	1.26E-04	5.687E-06	1.0678E-07	8.501E-08	1.32E-04	1.55E-04	6.97E-06	1.05E-07	4.76E-08	1.62E-04	1.36E-04	5.361E-06	1.023E-07	4.915E-08	0.0001419
660	490786.72, 3860035.12	0.0671	0.06457	0.06128	0.0535	0.0757	1.26E-04	5.665E-06	1.0619E-07	8.458E-08	1.32E-04	1.55E-04	6.94E-06	1.05E-07	4.73E-08	1.62E-04	1.36E-04	5.34E-06	1.018E-07	4.89E-08	0.0001417
661	490836.72, 3860035.12	0.06701	0.06432	0.06105	0.05321	0.07539	1.26E-04	5.643E-06	1.0561E-07	8.423E-08	1.32E-04	1.54E-04	6.91E-06	1.04E-07	4.72E-08	1.61E-04	1.36E-04	5.319E-06	1.012E-07	4.87E-08	0.0001415
662	490086.72, 3860085.12	0.06981	0.06772	0.06433	0.05691	0.08071	1.31E-04	5.941E-06	1.1296E-07	9.018E-08	1.37E-04	1.61E-04	7.28E-06	1.11E-07	5.05E-08	1.68E-04	1.42E-04	5.6E-06	1.083E-07	5.214E-08	0.0001475
663	490136.72, 3860085.12	0.06922	0.06726	0.06388	0.05655	0.08059	1.30E-04	5.901E-06	1.1224E-07	9.004E-08	1.36E-04	1.59E-04	7.23E-06	1.11E-07	5.04E-08	1.67E-04	1.41E-04	5.562E-06	1.076E-07	5.206E-08	0.0001463
664	490186.72, 3860085.12	0.06893	0.06716	0.06375	0.05645	0.08045	1.30E-04	5.892E-06	1.1204E-07	8.989E-08	1.36E-04	1.59E-04	7.22E-06	1.11E-07	5.03E-08	1.66E-04	1.40E-04	5.554E-06	1.074E-07	5.197E-08	0.0001457
665	490236.72, 3860085.12	0.06848	0.06687	0.06346	0.05621	0.08016	1.29E-04	5.866E-06	1.1157E-07	8.956E-08	1.35E-04	1.58E-04	7.19E-06	1.10E-07	5.01E-08	1.65E-04	1.39E-04	5.53E-06	1.069E-07	5.178E-08	0.0001447
666	490286.72, 3860085.12	0.06801	0.06653	0.06313	0.05592	0.07975	1.28E-04	5.836E-06	1.1099E-07	8.911E-08	1.34E-04	1.57E-04	7.15E-06	1.10E-07	4.99E-08	1.64E-04	1.38E-04	5.502E-06	1.064E-07	5.152E-08	0.0001437
667	490336.72, 3860085.12	0.06749	0.06611	0.06272	0.05557	0.07922	1.27E-04	5.8E-06	1.103E-07	8.851E-08	1.33E-04	1.55E-04	7.11E-06	1.09E-07	4.95E-08	1.63E-04	1.37E-04	5.467E-06	1.057E-07	5.117E-08	0.0001427
668	490386.72, 3860085.12	0.06699	0.06567	0.0623	0.05519	0.07862	1.26E-04	5.761E-06	1.0954E-07	8.784E-08	1.32E-04	1.54E-04	7.06E-06	1.08E-07	4.92E-08	1.61E-04	1.36E-04	5.431E-06	1.05E-07	5.079E-08	0.0001416
669	490436.72, 3860085.12	0.0665	0.0652	0.06187	0.05478	0.07796	1.25E-04	5.72E-06	1.0873E-07	8.711E-08	1.31E-04	1.53E-04	7.01E-06	1.07E-07	4.88E-08	1.60E-04	1.35E-04	5.392E-06	1.042E-07	5.036E-08	0.0001406
670	490486.72, 3860085.12	0.06602	0.0647	0.0614	0.05434	0.07726	1.24E-04	5.676E-06	1.0785E-07	8.632E-08	1.30E-04	1.52E-04	6.96E-06	1.06E-07	4.83E-08	1.59E-04	1.34E-04	5.351E-06	1.034E-07	4.991E-08	0.0001395
671	490536.72, 3860085.12	0.06567	0.06431	0.06104	0.05397	0.0766	1.23E-04	5.642E-06	1.0712E-07	8.559E-08	1.29E-04	1.51E-04	6.91E-06	1.06E-07	4.79E-08	1.58E-04	1.33E-04	5.318E-06	1.027E-07	4.948E-08	0.0001388
672	490586.72, 3860085.12	0.06537	0.06393	0.0607	0.05361	0.07596	1.23E-04	5.608E-06	1.0641E-07	8.487E-08	1.29E-04	1.51E-04	6.87E-06	1.05E-07	4.75E-08	1.58E-04	1.33E-04	5.287E-06	1.02E-07	4.907E-08	0.0001382
673	490636.72, 3860085.12	0.06506	0.06351	0.06032	0.0532	0.07533	1.22E-04	5.572E-06	1.0559E-07	8.417E-08	1.28E-04	1.50E-04	6.83E-06	1.04E-07	4.71E-08	1.57E-04	1.32E-04	5.252E-06	1.012E-07	4.866E-08	0.0001375
674	490686.72, 3860085.12	0.0649	0.06323	0.06006	0.0529	0.07479	1.22E-04	5.547E-06	1.05E-07	8.356E-08	1.28E-04	1.49E-04	6.80E-06	1.04E-07	4.68E-08	1.56E-04	1.32E-04	5.229E-06	1.006E-07	4.831E-08	0.0001371
675	490736.72, 3860085.12	0.06485	0.06305	0.0599	0.05266	0.07433	1.22E-04	5.531E-06	1.0452E-07	8.305E-08	1.28E-04	1.49E-04	6.78E-06	1.03E-07	4.65E-08	1.56E-04	1.32E-04	5.214E-06	1.002E-07	4.801E-08	0.000137
676	490786.72, 3860085.12	0.06484	0.0629	0.05977	0.05244	0.07393	1.22E-04	5.518E-06	1.0408E-07	8.26E-08	1.28E-04	1.49E-04	6.76E-06	1.03E-07	4.62E-08	1.56E-04	1.32E-04	5.202E-06	9.975E-08	4.776E-08	0.000137
677	490836.72, 3860085.12	0.06471	0.0626	0.0595	0.05212	0.07353	1.22E-04	5.492E-06	1.0345E-07	8.216E-08	1.27E-04	1.49E-04	6.73E-06	1.02E-07	4.60E-08	1.56E-04	1.31E-04	5.177E-06	9.915E-08	4.75E-08	0.0001367
678	490086.72, 3860135.12	0.06756	0.06554	0.06239	0.05534	0.07826	1.27E-04	5.75E-06	1.0984E-07	8.744E-08	1.33E-04	1.56E-04	7.05E-06	1.08E-07	4.89E-08	1.63E-04	1.37E-04	5.42E-06	1.053E-07	5.055E-08	0.0001427
679	490136.72, 3860135.12	0.06739	0.06555	0.06237	0.05533	0.07836	1.27E-04	5.75E-06	1.0982E-07	8.755E-08	1.33E-04	1.55E-04	7.05E-06	1.08E-07	4.90E-08	1.62E-04	1.37E-04	5.421E-06	1.053E-07	5.062E-08	0.0001424
680	490186.72, 3860135.12	0.06716	0.06551	0.06231	0.05528	0.07836	1.26E-04	5.747E-06	1.0972E-07	8.755E-08	1.32E-04	1.55E-04	7.04E-06	1.08E-07	4.90E-08	1.62E-04	1.36E-04	5.418E-06	1.052E-07	5.062E-08	0.0001419
681	490236.72, 3860135.12	0.06678	0.06529	0.06207	0.05509	0.0782	1.25E-04	5.728E-06	1.0934E-07	8.737E-08	1.31E-04	1.54E-04	7.02E-06	1.08E-07	4.89E-08	1.61E-04	1.36E-04	5.399E-06	1.048E-07	5.051E-08	0.0001411
682	490286.72, 3860135.12	0.06639	0.06505	0.06183	0.05488	0.07794	1.25E-04	5.707E-06	1.0893E-07	8.708E-08	1.31E-04	1.53E-04	6.99E-06	1.08E-07	4.87E-08	1.60E-04	1.35E-04	5.38E-06	1.044E-07	5.035E-08	0.0001403
683	490336.72, 3860135.12	0.06595	0.06474	0.06152	0.05462	0.07756	1.24E-04	5.679E-06	1.0841E-07	8.666E-08	1.30E-04	1.52E-04	6.96E-06	1.07E-07	4.85E-08	1.59E-04	1.34E-04	5.354E-06	1.039E-07	5.01E-08	0.0001394
684	490386.72, 3860135.12	0.06546	0.06435	0.06114	0.05429	0.07706	1.23E-04	5.645E-06	1.0776E-07	8.61E-08	1.29E-04	1.51E-04	6.92E-06	1.06E-07	4.82E-08	1.58E-04	1.33E-04	5.322E-06	1.033E-07	4.978E-08	0.0001384
685	490436.72, 3860135.12	0.06494	0.06389	0.0607	0.05389	0.07647	1.22E-04	5.605E-06	1.0696E-07	8.544E-08	1.28E-04	1.50E-04	6.87E-06	1.06E-07	4.78E-08	1.57E-04	1.32E-04	5.284E-06	1.025E-07	4.94E-08	0.0001373
686	490486.72, 3860135.12	0.06447	0.06345	0.06029	0.05351	0.07584	1.21E-04	5.566E-06	1.0621E-07	8.474E-08	1.27E-04	1.48E-04	6.82E-06	1.05E-07	4.74E-08	1.55E-04	1.31E-04	5.247E-06	1.018E-07	4.899E-08	0.0001363
687	490536.72, 3860135.12	0.0641	0.06308	0.05994	0.05317	0.07522	1.20E-04	5.534E-06	1.0553E-07	8.404E-08	1.26E-04	1.48E-04	6.78E-06	1.04E-07	4.70E-08	1.55E-04	1.30E-04	5.217E-06	1.011E-07	4.859E-08	0.0001355
688	490586.72, 3860135.12	0.06372	0.06267	0.05956	0.05278	0.07456	1.20E-04	5.498E-06	1.0476E-07	8.331E-08	1.25E-04	1.47E-04	6.74E-06	1.03E-07	4.66E-08	1.54E-04	1.29E-04	5.183E-06	1.004E-07	4.816E-08	0.0001347
689	490636.72, 3860135.12	0.06337	0.06225	0.05918	0.05239	0.07392	1.19E-04	5.461E-06	1.0398E-07	8.259E-08	1.25E-04	1.46E-04	6.69E-06	1.03E-07	4.62E-08	1.53E-04	1.29E-04	5.148E-06	9.966E-08	4.775E-08	0.000134
690	490686.72, 3860135.12	0.06306	0.06185	0.05881	0.052	0.0733	1.19E-04	5.426E-06	1.0321E-07	8.19E-08	1.24E-04	1.45E-04	6.65E-06	1.02E-07	4.58E-08	1.52E-04	1.28E-04	5.115E-06	9.892E-08	4.735E-08	0.0001333
691	490736.72, 3860135.12	0.06285	0.06152	0.05852	0.05167	0.07275	1.18E-04	5.397E-06	1.0256E-07	8.128E-08	1.24E-04	1.45E-04	6.61E-06	1.01E-07	4.55E-08	1.51E-04	1.28E-04	5.088E-06	9.829E-08	4.699E-08	0.0001328
692	490786.72, 3860135.12	0.06278	0.06133	0.05835	0.05143	0.0723	1.18E-04	5.38E-06	1.0208E-07	8.078E-08	1.24E-04	1.45E-04	6.59E-06	1.01E-07	4.52E-08	1.51E-04	1.27E-04	5.072E-06	9.783E-08	4.67E-08	0.0001327
693	490836.72, 3860135.12	0.06259	0.061	0.05805	0.05109	0.07183	1.18E-04	5.351E-06	1.014E-07	8.026E-08	1.23E-04	1.44E-04	6.56E-06	1.00E-07	4.49E-08	1.51E-04	1.27E-04	5.045E-06	9.719E-08	4.64E-08	0.0001323
694	490086.72, 3860185.12	0.06561	0.0637	0.06075	0.054	0.07589	1.23E-04	5.588E-06	1.0718E-07	8.479E-08	1.29E-04	1.51E-04	6.85E-06	1.06E-07	4.75E-08	1.58E-04	1.33E-04	5.268E-06	1.027E-07	4.902E-08	0.0001386
695	490136.72, 3860185.12	0.06558	0.06385	0.06087	0.0541	0.07612	1.23E-04	5.601E-06	1.0738E-07	8.505E-08	1.29E-04	1.51E-04	6.86E-06	1.06E-07	4.76E-08	1.58E-04	1.33E-04	5.28E-06	1.029E-07	4.917E-08	0.0001386
696	490186.72, 3860185.12	0.06543	0.06388	0.06087	0.0541	0.07623	1.23E-04	5.604E-06	1.0738E-07	8.517E-08	1.29E-04	1.51E-04	6.87E-06	1.06E-07	4.77E-08	1.58E-04	1.33E-04	5.283E-06	1.029E-07	4.924E-08	0.0001383
697	490236.72, 3860185.12	0.06513	0.06374	0.06071	0.05398	0.0762	1.22E-04	5.592E-06	1.0714E-07	8.514E-08	1.28E-04	1.50E-04	6.85E-06	1.06E-07	4.77E-08	1.57E-04	1.32E-04	5.271E-06	1.027E-07	4.922E-08	0.0001377
698	490286.72, 3860185.12	0.06479	0.06355	0.06051	0.05382	0.07606	1.22E-04	5.575E-06	1.0682E-07	8.498E-08	1.28E-04	1.49E-04	6.83E-06	1.05E-07	4.76E-08	1.56E-04	1.32E-04	5.256E-06	1.024E-07	4.913E-08	0.000137
699	490336.72, 3860185.12	0.06439	0.06329	0.06025	0.0536	0.07581	1.21E-04	5.552E-06	1.0639E-07	8.47E-08	1.27E-04	1.48E-04	6.80E-06	1.05E-07	4.74E-08	1.55E-04	1.31E-04	5.234E-06	1.02E-07	4.897E-08	0.0001361
700	490386.72, 3860185.12	0.06396	0.06298	0.05994	0.05334	0.07544	1.20E-04	5.525E-06	1.0587E-07	8.429E-08	1.26E-04	1.47E-04	6.77E-06	1.04E-07	4.72E-08	1.54E-04	1.30E-04	5.208E-06	1.015E-07	4.873E-08	0.0001352
701	490436.72, 3860185.12	0.06351	0.06263	0.05959	0.05303	0.07498	1.19E-04	5.494E-06	1.0525E-07	8.378E-08	1.25E-04	1.46E-04	6.73E-06	1.04E-07	4.69E-08	1.53E-04	1.29E-04	5.179E-06	1.009E-07	4.843E-08	0.0001343
702	490486.72, 3860185.12	0.06304	0.06222	0.0592	0.05268	0.07443	1.18E-04	5.458E-06	1.0456E-07	8.316E-08	1.24E-04	1.45E-04	6.69E-06	1.03E-07	4.66E-08	1.52E-04	1.28E-04	5.146E-06	1.002E-07	4.808E-08	0.0001333
703	490536.72, 3860185.12	0.06263	0.06184	0.05884	0.05234	0.07385	1.18E-04	5.425E-06	1.0389E-07	8.251E-08	1.23E-04	1.44E-04	6.65E-06	1.03E-07	4.62E-08	1.51E-04	1.27E-04	5.114E-06	9.956E-08	4.77E-08	0.0001324
704	490586.72, 3860185.12	0.06228	0.06151	0.05853	0.05202	0.07325	1.17E-04	5.396E-06	1.0325E-07	8.184E-08	1.23E-04	1.43E-04	6.61E-06	1.02E-07	4.58E-08	1.50E-04	1.26E-04	5.087E-06	9.896E-08	4.732E-08	0.0001317
705	490636.72, 3860185.12	0.06185	0.06105	0.05811	0.05161	0.0726	1.16E-04	5.356E-06	1.0244E-07	8.112E-08	1.22E-04	1.42E-04	6.56E-06	1.01E-07	4.54E-08	1.49E-04	1.26E-04	5.049E-06	9.818E-08	4.69E-08	0.0001308
706	490686.72, 3860185.12	0.06154	0.06068	0.05777	0.05126	0.07199	1.16E-04	5.323E-06	1.0174E-07	8.044E-08	1.21E-04	1.42E-04	6.52E-06	1.00E-07	4.50E-08	1.48E-04	1.25E-04	5.018E-06	9.751E-08	4.65E-08	0.0001301
707	490736.72, 3860185.12	0.06117	0.06023	0.05735	0.05084	0.07136	1.15E-04	5.284E-06	1.0091E-07	7.973E-08	1.20E-04	1.41E-04	6.47E-06	9.96E-08	4.46E-08	1.47E-04	1.24E-04	4.981E-06	9.671E-08	4.61E-08	0.0001293
708	490786.72, 3860185.12	0.06095	0.05991	0.05706	0.05051	0.07081	1.15E-04	5.256E-06	1.0025E-07	7.912E-08	1.20E-04	1.40E-04	6.44E-06	9.89E-08	4.43E-08	1.47E-04	1.24E-04	4.954E-06	9.608E-08	4.574E-08	0.0001288
709	490836.72, 3860185.12	0.06075	0.05961	0.05678	0.05019	0.07032	1.14E-04	5.229E-06	9.9618E-08	7.857E-08	1.20E-04	1.40E-04	6.41E-06	9.83E-08	4.40E-08	1.46E-04	1.23E-04	4.93E-06	9.547E-08	4.542E-08	0.0001284
710	490086.72, 3860235.12	0.06379	0.062	0.05923	0.05274	0.07359	1.20E-04	5.439E-06	1.0468E-07	8.222E-08	1.26E-04	1.47E-04	6.67E-06	1.03E-07	4.60E-08	1.54E-04	1.30E-04	5.127E-06	1.003E-07	4.754E-08	0.0001348
711	490136.72, 3860235.12	0.06377	0.06213	0.05934	0.05283	0.07385	1.20E-04	5.45E-06	1.0486E-07	8.251E-08	1.25E-04	1.47E-04	6.68E-06	1.03E-07	4.62E-08	1.54E-04	1.29E-04	5.138E-06	1.005E-07	4.77E-08	0.0001348
712	490186.72, 3860235.12	0.06369	0.06222	0.05939	0.05289	0.07406	1.20E-04	5.458E-06	1.0498E-07	8.275E-08	1.25E-04	1.47E-04	6.69E-06	1.04E-07	4.63E-08	1.54E-04	1.29E-04	5.146E-06	1.006E-07	4.784E-08	0.0001346
713	490236.72, 3860235.12	0.0635	0.06218	0.05933	0.05285	0.07415	1.19E-04	5.455E-06	1.049E-07	8.285E-08	1.25E-04	1.46E-04	6.68E-06	1.04E-07	4.64E-08	1.53E-04	1.29E-04	5.142E-06	1.005E-07	4.79E-08	0.0001342
714	490286.72, 3860235.12	0.06323	0.06206	0.0592	0.05274	0.07414	1.19E-04	5.444E-06	1.0468E-07	8.284E-08	1.24E-04	1.46E-04	6.67E-06	1.03E-07	4.64E-08	1.52E-04	1.28E-04	5.132E-06	1.003E-07	4.789E-08	0.0001337
715	490336.72, 3860235.12	0.06291	0.06189	0.05901	0.05259	0.07402	1.18E-04	5.429E-06	1.0438E-07	8.27E-08	1.24E-04	1.45E-04	6.65E-06	1.03E-07	4.63E-08	1.52E-04	1.28E-04	5.118E-06	1E-07	4.781E-08	0.000133
716	490386.72, 3860235.12	0.06254	0.06166	0.05877	0.05239	0.07378	1.18E-04	5.409E-06	1.0398E-07	8.244E-08	1.23E-04	1.44E-04	6.63E-06	1.03E-07	4.61E-08	1.51E-04	1.27E-04	5.099E-06	9.966E-08	4.766E-08	0.0001322

717	490436.72, 3860235.12	0.06215	0.06138	0.0585	0.05216	0.07345	1.17E-04	5.385E-06	1.0353E-07	8.207E-08	1.22E-04	1.43E-04	6.60E-06	1.02E-07	4.59E-08	1.50E-04	1.26E-04	5.076E-06	9.922E-08	4.745E-08	0.0001314
718	490486.72, 3860235.12	0.06171	0.06103	0.05815	0.05185	0.07301	1.16E-04	5.354E-06	1.0291E-07	8.158E-08	1.22E-04	1.42E-04	6.56E-06	1.02E-07	4.57E-08	1.49E-04	1.25E-04	5.047E-06	9.863E-08	4.716E-08	0.0001305
719	490536.72, 3860235.12	0.06129	0.06068	0.05782	0.05155	0.0725	1.15E-04	5.323E-06	1.0232E-07	8.101E-08	1.21E-04	1.41E-04	6.52E-06	1.01E-07	4.53E-08	1.48E-04	1.24E-04	5.018E-06	9.806E-08	4.683E-08	0.0001296
720	490586.72, 3860235.12	0.0609	0.06033	0.05748	0.05123	0.07195	1.14E-04	5.293E-06	1.0168E-07	8.039E-08	1.20E-04	1.40E-04	6.49E-06	1.00E-07	4.50E-08	1.47E-04	1.24E-04	4.989E-06	9.745E-08	4.648E-08	0.0001288
721	490636.72, 3860235.12	0.06051	0.05995	0.05712	0.05088	0.07135	1.14E-04	5.259E-06	1.0099E-07	7.972E-08	1.19E-04	1.39E-04	6.44E-06	9.97E-08	4.46E-08	1.46E-04	1.23E-04	4.958E-06	9.679E-08	4.609E-08	0.000128
722	490686.72, 3860235.12	0.06014	0.05956	0.05676	0.05052	0.07075	1.13E-04	5.225E-06	1.0027E-07	7.905E-08	1.18E-04	1.38E-04	6.40E-06	9.90E-08	4.42E-08	1.45E-04	1.22E-04	4.926E-06	9.61E-08	4.57E-08	0.0001272
723	490736.72, 3860235.12	0.05978	0.05915	0.05638	0.05014	0.07013	1.12E-04	5.189E-06	9.9519E-08	7.836E-08	1.18E-04	1.38E-04	6.36E-06	9.82E-08	4.39E-08	1.44E-04	1.21E-04	4.892E-06	9.538E-08	4.53E-08	0.0001264
724	490786.72, 3860235.12	0.05944	0.05874	0.056	0.04975	0.06952	1.12E-04	5.153E-06	9.8745E-08	7.768E-08	1.17E-04	1.37E-04	6.31E-06	9.75E-08	4.35E-08	1.43E-04	1.21E-04	4.858E-06	9.464E-08	4.491E-08	0.0001257
725	490086.72, 3860285.12	0.06197	0.06028	0.05767	0.05145	0.07132	1.16E-04	5.288E-06	1.0212E-07	7.969E-08	1.22E-04	1.43E-04	6.48E-06	1.01E-07	4.46E-08	1.49E-04	1.26E-04	4.985E-06	9.787E-08	4.607E-08	0.000131
726	490136.72, 3860285.12	0.06201	0.06047	0.05784	0.05159	0.07163	1.17E-04	5.305E-06	1.024E-07	8.003E-08	1.22E-04	1.43E-04	6.50E-06	1.01E-07	4.48E-08	1.49E-04	1.26E-04	5.001E-06	9.814E-08	4.627E-08	0.000131
727	490186.72, 3860285.12	0.06196	0.06056	0.0579	0.05166	0.07188	1.16E-04	5.313E-06	1.0254E-07	8.031E-08	1.22E-04	1.43E-04	6.51E-06	1.01E-07	4.50E-08	1.49E-04	1.26E-04	5.008E-06	9.827E-08	4.643E-08	0.000131
728	490236.72, 3860285.12	0.06189	0.06064	0.05796	0.05171	0.07208	1.16E-04	5.32E-06	1.0263E-07	8.054E-08	1.22E-04	1.43E-04	6.52E-06	1.01E-07	4.51E-08	1.49E-04	1.26E-04	5.015E-06	9.837E-08	4.656E-08	0.0001308
729	490286.72, 3860285.12	0.06167	0.06056	0.05787	0.05164	0.07217	1.16E-04	5.313E-06	1.025E-07	8.064E-08	1.21E-04	1.42E-04	6.51E-06	1.01E-07	4.51E-08	1.49E-04	1.25E-04	5.008E-06	9.823E-08	4.662E-08	0.0001304
730	490336.72, 3860285.12	0.06141	0.06045	0.05773	0.05154	0.07216	1.15E-04	5.303E-06	1.023E-07	8.063E-08	1.21E-04	1.41E-04	6.50E-06	1.01E-07	4.51E-08	1.48E-04	1.25E-04	4.999E-06	9.804E-08	4.661E-08	0.0001298
731	490386.72, 3860285.12	0.06114	0.06032	0.05759	0.05143	0.07207	1.15E-04	5.292E-06	1.0208E-07	8.052E-08	1.20E-04	1.41E-04	6.48E-06	1.01E-07	4.51E-08	1.47E-04	1.24E-04	4.988E-06	9.783E-08	4.655E-08	0.0001293
732	490436.72, 3860285.12	0.06079	0.0601	0.05736	0.05123	0.07185	1.14E-04	5.272E-06	1.0168E-07	8.028E-08	1.20E-04	1.40E-04	6.46E-06	1.00E-07	4.49E-08	1.47E-04	1.23E-04	4.97E-06	9.745E-08	4.641E-08	0.0001285
733	490486.72, 3860285.12	0.06042	0.05984	0.05709	0.05101	0.07154	1.14E-04	5.25E-06	1.0125E-07	7.993E-08	1.19E-04	1.39E-04	6.43E-06	9.99E-08	4.47E-08	1.46E-04	1.23E-04	4.949E-06	9.703E-08	4.621E-08	0.0001278
734	490536.72, 3860285.12	0.06	0.0595	0.05676	0.05072	0.07112	1.13E-04	5.22E-06	1.0067E-07	7.946E-08	1.18E-04	1.38E-04	6.40E-06	9.94E-08	4.45E-08	1.45E-04	1.22E-04	4.921E-06	9.648E-08	4.594E-08	0.0001269
735	490586.72, 3860285.12	0.05958	0.05915	0.05643	0.05041	0.07063	1.12E-04	5.189E-06	1.0005E-07	7.892E-08	1.17E-04	1.37E-04	6.36E-06	9.87E-08	4.42E-08	1.44E-04	1.21E-04	4.892E-06	9.589E-08	4.562E-08	0.000126
736	490636.72, 3860285.12	0.0592	0.05881	0.0561	0.0501	0.0701	1.11E-04	5.159E-06	9.9439E-08	7.832E-08	1.17E-04	1.36E-04	6.32E-06	9.81E-08	4.38E-08	1.43E-04	1.20E-04	4.864E-06	9.53E-08	4.528E-08	0.0001252
737	490686.72, 3860285.12	0.05884	0.05847	0.05578	0.04979	0.06954	1.11E-04	5.129E-06	9.8824E-08	7.77E-08	1.16E-04	1.35E-04	6.29E-06	9.75E-08	4.35E-08	1.42E-04	1.19E-04	4.835E-06	9.471E-08	4.492E-08	0.0001244
738	490736.72, 3860285.12	0.05847	0.05808	0.05542	0.04943	0.06895	1.10E-04	5.095E-06	9.8109E-08	7.704E-08	1.15E-04	1.35E-04	6.24E-06	9.68E-08	4.31E-08	1.41E-04	1.19E-04	4.803E-06	9.403E-08	4.454E-08	0.0001237
739	490786.72, 3860285.12	0.05814	0.05772	0.05508	0.04909	0.06836	1.09E-04	5.064E-06	9.7435E-08	7.638E-08	1.14E-04	1.34E-04	6.21E-06	9.62E-08	4.28E-08	1.40E-04	1.18E-04	4.773E-06	9.338E-08	4.416E-08	0.000123
740	490086.72, 3860335.12	0.06019	0.05859	0.05613	0.05017	0.06913	1.13E-04	5.14E-06	9.9578E-08	7.724E-08	1.18E-04	1.39E-04	6.30E-06	9.83E-08	4.32E-08	1.45E-04	1.22E-04	4.845E-06	9.544E-08	4.466E-08	0.0001272
741	490136.72, 3860335.12	0.06029	0.05882	0.05635	0.05035	0.06946	1.13E-04	5.16E-06	9.9935E-08	7.761E-08	1.19E-04	1.39E-04	6.32E-06	9.86E-08	4.34E-08	1.45E-04	1.22E-04	4.864E-06	9.578E-08	4.487E-08	0.0001274
742	490186.72, 3860335.12	0.06028	0.05894	0.05645	0.05045	0.06974	1.13E-04	5.171E-06	1.0013E-07	7.792E-08	1.19E-04	1.39E-04	6.34E-06	9.88E-08	4.36E-08	1.45E-04	1.22E-04	4.874E-06	9.597E-08	4.505E-08	0.0001274
743	490236.72, 3860335.12	0.06028	0.05909	0.05657	0.05055	0.07001	1.13E-04	5.184E-06	1.0033E-07	7.822E-08	1.19E-04	1.39E-04	6.35E-06	9.90E-08	4.38E-08	1.45E-04	1.22E-04	4.887E-06	9.616E-08	4.522E-08	0.0001274
744	490286.72, 3860335.12	0.06014	0.05908	0.05654	0.05054	0.07018	1.13E-04	5.183E-06	1.0031E-07	7.841E-08	1.18E-04	1.38E-04	6.35E-06	9.90E-08	4.39E-08	1.45E-04	1.22E-04	4.886E-06	9.614E-08	4.533E-08	0.0001271
745	490336.72, 3860335.12	0.05994	0.05902	0.05646	0.05049	0.07027	1.13E-04	5.178E-06	1.0021E-07	7.851E-08	1.18E-04	1.38E-04	6.34E-06	9.89E-08	4.39E-08	1.45E-04	1.22E-04	4.881E-06	9.604E-08	4.539E-08	0.0001267
746	490386.72, 3860335.12	0.05972	0.05893	0.05636	0.05041	0.07028	1.12E-04	5.17E-06	1.0005E-07	7.852E-08	1.18E-04	1.38E-04	6.34E-06	9.87E-08	4.40E-08	1.44E-04	1.21E-04	4.873E-06	9.589E-08	4.54E-08	0.0001263
747	490436.72, 3860335.12	0.05944	0.05879	0.0562	0.05028	0.07019	1.12E-04	5.157E-06	9.9797E-08	7.842E-08	1.17E-04	1.37E-04	6.32E-06	9.85E-08	4.39E-08	1.43E-04	1.21E-04	4.862E-06	9.565E-08	4.534E-08	0.0001257
748	490486.72, 3860335.12	0.05911	0.05858	0.05598	0.0501	0.06999	1.11E-04	5.139E-06	9.9439E-08	7.82E-08	1.16E-04	1.36E-04	6.30E-06	9.81E-08	4.38E-08	1.43E-04	1.20E-04	4.844E-06	9.53E-08	4.521E-08	0.000125
749	490536.72, 3860335.12	0.05879	0.05837	0.05576	0.04991	0.06971	1.10E-04	5.121E-06	9.9062E-08	7.789E-08	1.16E-04	1.35E-04	6.27E-06	9.78E-08	4.36E-08	1.42E-04	1.19E-04	4.827E-06	9.494E-08	4.503E-08	0.0001243
750	490586.72, 3860335.12	0.05838	0.05804	0.05545	0.04963	0.06931	1.10E-04	5.092E-06	9.8506E-08	7.744E-08	1.15E-04	1.34E-04	6.24E-06	9.72E-08	4.33E-08	1.41E-04	1.19E-04	4.8E-06	9.441E-08	4.477E-08	0.0001235
751	490636.72, 3860335.12	0.058	0.05773	0.05514	0.04935	0.06886	1.09E-04	5.064E-06	9.7951E-08	7.694E-08	1.14E-04	1.34E-04	6.21E-06	9.67E-08	4.31E-08	1.40E-04	1.18E-04	4.774E-06	9.388E-08	4.448E-08	0.0001227
752	490686.72, 3860335.12	0.05763	0.0574	0.05482	0.04905	0.06835	1.08E-04	5.036E-06	9.7355E-08	7.637E-08	1.14E-04	1.33E-04	6.17E-06	9.61E-08	4.27E-08	1.39E-04	1.17E-04	4.747E-06	9.331E-08	4.415E-08	0.0001219
753	490736.72, 3860335.12	0.05727	0.05705	0.05449	0.04874	0.0678	1.08E-04	5.005E-06	9.674E-08	7.575E-08	1.13E-04	1.32E-04	6.13E-06	9.55E-08	4.24E-08	1.38E-04	1.16E-04	4.718E-06	9.272E-08	4.38E-08	0.0001211
754	490786.72, 3860335.12	0.05697	0.05675	0.05421	0.04845	0.06727	1.07E-04	4.978E-06	9.6164E-08	7.516E-08	1.12E-04	1.31E-04	6.10E-06	9.49E-08	4.21E-08	1.37E-04	1.16E-04	4.693E-06	9.216E-08	4.345E-08	0.0001205
755	490086.72, 3860385.12	0.0585	0.05699	0.05465	0.04894	0.06704	1.10E-04	5E-06	9.7137E-08	7.49E-08	1.15E-04	1.35E-04	6.13E-06	9.59E-08	4.19E-08	1.41E-04	1.19E-04	4.713E-06	9.31E-08	4.331E-08	0.0001236
756	490136.72, 3860385.12	0.05863	0.05724	0.0549	0.04915	0.06737	1.10E-04	5.021E-06	9.7554E-08	7.527E-08	1.15E-04	1.35E-04	6.15E-06	9.63E-08	4.21E-08	1.41E-04	1.19E-04	4.734E-06	9.35E-08	4.352E-08	0.0001239
757	490186.72, 3860385.12	0.05862	0.05735	0.055	0.04924	0.06765	1.10E-04	5.031E-06	9.7732E-08	7.559E-08	1.15E-04	1.35E-04	6.17E-06	9.65E-08	4.23E-08	1.41E-04	1.19E-04	4.743E-06	9.367E-08	4.37E-08	0.0001239
758	490236.72, 3860385.12	0.05865	0.0575	0.05514	0.04936	0.06794	1.10E-04	5.044E-06	9.797E-08	7.591E-08	1.15E-04	1.35E-04	6.18E-06	9.67E-08	4.25E-08	1.41E-04	1.19E-04	4.755E-06	9.39E-08	4.389E-08	0.000124
759	490286.72, 3860385.12	0.05858	0.05756	0.05518	0.0494	0.06817	1.10E-04	5.05E-06	9.805E-08	7.617E-08	1.15E-04	1.35E-04	6.19E-06	9.68E-08	4.26E-08	1.41E-04	1.19E-04	4.76E-06	9.397E-08	4.404E-08	0.0001238
760	490336.72, 3860385.12	0.05847	0.05758	0.05518	0.04941	0.06835	1.10E-04	5.051E-06	9.807E-08	7.637E-08	1.15E-04	1.35E-04	6.19E-06	9.68E-08	4.27E-08	1.41E-04	1.19E-04	4.762E-06	9.399E-08	4.415E-08	0.0001236
761	490386.72, 3860385.12	0.0583	0.05754	0.05512	0.04937	0.06845	1.10E-04	5.048E-06	9.799E-08	7.648E-08	1.15E-04	1.34E-04	6.19E-06	9.67E-08	4.28E-08	1.41E-04	1.18E-04	4.758E-06	9.391E-08	4.422E-08	0.0001233
762	490436.72, 3860385.12	0.05808	0.05746	0.05502	0.0493	0.06846	1.09E-04	5.041E-06	9.7851E-08	7.649E-08	1.14E-04	1.34E-04	6.18E-06	9.66E-08	4.28E-08	1.40E-04	1.18E-04	4.752E-06	9.378E-08	4.422E-08	0.0001228
763	490486.72, 3860385.12	0.05785	0.05735	0.05489	0.0492	0.0684	1.09E-04	5.031E-06	9.7653E-08	7.642E-08	1.14E-04	1.33E-04	6.17E-06	9.64E-08	4.28E-08	1.40E-04	1.17E-04	4.743E-06	9.359E-08	4.418E-08	0.0001223
764	490536.72, 3860385.12	0.05756	0.05718	0.05471	0.04905	0.06822	1.08E-04	5.016E-06	9.7355E-08	7.622E-08	1.13E-04	1.33E-04	6.15E-06	9.61E-08	4.27E-08	1.39E-04	1.17E-04	4.729E-06	9.331E-08	4.407E-08	0.0001217
765	490586.72, 3860385.12	0.05723	0.05695	0.05448	0.04885	0.06795	1.08E-04	4.996E-06	9.6958E-08	7.592E-08	1.13E-04	1.32E-04	6.12E-06	9.57E-08	4.25E-08	1.38E-04	1.16E-04	4.71E-06	9.292E-08	4.389E-08	0.000121
766	490636.72, 3860385.12	0.05686	0.05666	0.05419	0.04859	0.06758	1.07E-04	4.971E-06	9.6442E-08	7.551E-08	1.12E-04	1.31E-04	6.09E-06	9.52E-08	4.23E-08	1.37E-04	1.15E-04	4.686E-06	9.243E-08	4.365E-08	0.0001203
767	490686.72, 3860385.12	0.05652	0.05638	0.05392	0.04834	0.06717	1.06E-04	4.946E-06	9.5946E-08	7.505E-08	1.11E-04	1.30E-04	6.06E-06	9.47E-08	4.20E-08	1.36E-04	1.15E-04	4.663E-06	9.195E-08	4.339E-08	0.0001196
768	490736.72, 3860385.12	0.05612	0.05603	0.05358	0.04803	0.06666	1.05E-04	4.915E-06	9.5331E-08	7.448E-08	1.11E-04	1.29E-04	6.02E-06	9.41E-08	4.17E-08	1.35E-04	1.14E-04	4.634E-06	9.137E-08	4.306E-08	0.0001187
769	490786.72, 3860385.12	0.05577	0.05569	0.05326	0.04772	0.06614	1.05E-04	4.886E-06	9.4715E-08	7.39E-08	1.10E-04	1.28E-04	5.99E-06	9.35E-08	4.14E-08	1.35E-04	1.13E-04	4.605E-06	9.078E-08	4.272E-08	0.000118
770	490136.72, 3860435.12	0.05696	0.05563	0.05341	0.04791	0.06533	1.07E-04	4.88E-06	9.5092E-08	7.299E-08	1.12E-04	1.31E-04	5.98E-06	9.39E-08	4.09E-08	1.37E-04	1.16E-04	4.601E-06	9.114E-08	4.22E-08	0.0001204
771	490186.72, 3860435.12	0.05705	0.05583	0.05361	0.04807	0.06564	1.07E-04	4.898E-06	9.541E-08	7.334E-08	1.12E-04	1.31E-04	6.00E-06	9.42E-08	4.11E-08	1.38E-04	1.16E-04	4.617E-06	9.144E-08	4.24E-08	0.0001206
772	490236.72, 3860435.12	0.05708	0.05597	0.05374	0.04819	0.06593	1.07E-04	4.91E-06	9.5648E-08	7.366E-08	1.12E-04	1.31E-04	6.02E-06	9.44E-08	4.12E-08	1.38E-04	1.16E-04	4.629E-06	9.167E-08	4.259E-08	0.0001207
773	490286.72, 3860435.12	0.05706	0.05607	0.05383	0.04827	0.06619	1.07E-04	4.919E-06	9.5807E-08	7.396E-08	1.12E-04	1.31E-04	6.03E-06	9.46E-08	4.14E-08	1.38E-04	1.16E-04	4.637E-06	9.182E-08	4.276E-08	0.0001206
774	490336.72, 3860435.12	0.05697	0.0561	0.05384	0.04829	0.06641	1.07E-04	4.921E-06	9.5847E-08	7.42E-08	1.12E-04	1.31E-04	6.03E-06	9.46E-08	4.15E-08	1.37E-04	1.16E-04	4.639E-06	9.186E-08	4.29E-08	0.0001204
775	490386.72, 3860435.12	0.05687	0.05613	0.05386	0.04832	0.06659	1.07E-04	4.924E-06	9.5906E-08	7.44E-08	1.12E-04	1.31E-04	6.03E-06	9.47E-08	4.16E-08	1.37E-04	1.15E-04	4.642E-06	9.192E-08	4.302E-08	0.0001202
776	490436.72, 3860435.12	0.05673	0.05611	0.05382	0.04829	0.0667	1.07E-04	4.922E-06	9.5847E-08	7.452E-08	1.12E-04	1.31E-04	6.03E-06	9.46E-08	4.17E-08	1.37E-04	1.15E-04	4.64E-06	9.186E-08	4.309E-08	0.00012
777	490486.72, 3860435.12	0.05654	0.05605	0.05373	0.04823	0.06672	1.06E-04	4.917E-06	9.5728E-08	7.455E-08	1.11E-04	1.30E-04	6.03E-06	9.45E-08	4.17E-08	1.36E-04	1.15E-04	4.635E-06	9.175E-08	4.31E-08	0.0001196
778	490536.72, 3860435.12	0.05632	0.05595	0.05362	0.04814	0.06667	1.06E-04	4.908E-06	9.5549E-08	7.449E-08	1.11E-04	1.30E-04	6.01E-06	9.43E-08	4.17E-08	1.36E-04	1.14E-04	4.627E-06	9.157E-08	4.307E-08	0.0001191
779	490586.72, 3860435.12	0.05603	0.05578	0.05343	0.04799	0.06651	1.05E-04	4.893E-06	9.5251E-08	7.431E-08	1.10E-04	1.29E-04	6.00E-06	9.40E-08	4.16E-08	1.35E-04	1.14E-04	4.613E-06	9.129E-08	4.296E-08	0.0001185
780	490636.72, 3860435.12	0.05571	0.05554	0.0532	0.04779	0.06624	1.05E-04	4.872E-06	9.4854E-08	7.401E-08	1.10E-04	1.28E-04	5.97E-06	9.36E-08	4.14E-08	1.34E-04	1.13E-04	4.593E-06	9.091E-08	4.279E-08	0.0001178
781	490686.72, 3860435.12	0.05538	0.0553	0.05296	0.04757	0.06592	1.04E-04	4.851E-06	9.4418E-08	7.365E-08	1.09E-04	1.28E-04	5.94E-06	9.32E-08	4.12E-08	1.34E-04	1.12E-04	4.573E-06	9.049E-08	4.258E-08	0.0001171
782	490736.72, 3860435.12	0.05507	0.05506	0.05272	0.04735	0.06553	1.03E-04	4.83E-06	9.3981E-08	7.322E-08	1.08E-04	1.27E-04	5.92E-06	9.28E-08	4.10E-08	1.33E-04	1.12E-04	4.553E-06	9.007E-08	4.233E-08	0.0001165
783	490786.72, 3860435.12	0.05471	0.05473	0.0524	0.04705	0.06506	1.03E-04	4.801E-06	9.3386E-08	7.269E-08	1.08E-04	1.26E-04	5.88E-06	9.22E-08	4.07E-08	1.32E-04	1.11E-04	4.526E-06	8.95E-08	4.203E-08	0.0001157
784	490136.72, 3860485.12	0.05546	0.0542	0.05208	0.04679	0.06345	1.04E-04	4.755E-06	9.287E-08	7.089E-08	1.09E-04	1.28E-04	5.83E-06	9.17E-08	3.97E-08	1.34E-04	1.13E-04	4.482E-06	8.901E-08	4.099E-08	0.0001172
785	490186.72, 3860485.12	0.05552	0.05436	0.05225	0.04693	0.06371	1.04E-04	4.769E-06	9.3147E-08	7.118E-08	1.09E-04	1.28E-04	5.84E-06	9.19E-08	3.98E-08	1.34E-04	1.13E-04	4.496E-06	8.927E-08	4.115E-08	0.0001174
786	490236.72, 3860485.12	0.05554	0.05447	0.05236	0.04703	0.06397	1.04E-04	4.778E-06	9.3346E-08	7.147E-08	1.09E-04	1.28E-04	5.86E-06	9.21E-08	4.00E-08	1.34E-04	1.13E-04	4.505E-06	8.946E-08	4.132E-08	0.0001174
787	490286.72, 3860485.12	0.05557	0.05462	0.0525	0.04716	0.06426	1.04E-04	4.792E-06	9.3604E-08	7.18E-08	1.09E-04	1.28E-04	5.87E-06	9.24E-08	4.02E-08	1.34E-04	1.13E-04	4.517E-06	8.971E-08	4.151E-08	0.0001175
788	490336.72, 3860485.12	0.05553	0.05468	0.05256	0.04721	0.0645	1.04E-04	4.797E-06	9.3703E-08	7.207E-08	1.09E-04	1.28E-04	5.88E-06	9.25E-08	4.03E-08	1.34E-04	1.13E-04	4.522E-06	8.981E-08	4.166E-08	0.0001174
789	490386.72, 3860485.12	0.05549	0.05476	0.05262	0.04727	0.06474	1.04E-04	4.804E-06	9.3822E-08	7.233E-08	1.09E-04	1.28E-04	5.89E-06	9.26E-08	4.05E-08	1.34E-04	1.13E-04	4.529E-06	8.992E-08	4.182E-08	0.0001173
790	490436.72, 3860485.12	0.05545	0.05485	0.05269	0.04734	0.06495	1.04E-04	4.812E-06	9.3961E-08	7.257E-08	1.09E-04	1.28E-04	5.90E-06	9.27E-08	4.06E-08	1.34E-04	1.13E-04	4.536E-06	9.005E-08	4.196E-08	0.0001173
791	490486.72, 3860485.12	0.05528	0.0548	0.05262	0.04729	0.06505	1.04E-04	4.807E-06	9.3862E-08	7.268E-08	1.09E-04	1.27E-04	5.89E-06	9.26E-08	4.07E-08	1.33E-04	1.12E-04	4.532E-06	8.996E-08	4.202E-08	0.0001169
792	490536.72, 3860485.12	0.05507	0.0547	0.05251	0.04721	0.06506	1.03E-04	4.799E-06	9.3703E-08	7.269E-08	1.08E-04	1.27E-04	5.88E-06	9.25E-08	4.07E-08	1.33E-04	1.12E-04	4.524E-06	8.981E-08	4.203E-08	0.0001165
793	490586.72, 3860485.12	0.05483	0.05457	0.05236	0.04709	0.06499	1.03E-04	4.787E-06	9.3465E-08	7.261E-08	1.08E-04	1.26E-04	5.87E-06	9.22E-08	4.06E-08	1.32E-04	1.11E-04	4.513E-06	8.958E-08	4.198E-08	0.000116
794	490636.72, 3860485.12	0.05459	0.05444	0.05222	0.04697	0.06486	1.03E-04	4.776E-06	9.3227E-08	7.247E-08	1.08E-04	1.26E-04	5.85E-06	9.20E-08	4.06E-08	1.32E-04	1.11E-04	4.502E-06	8.935E-08	4.19E-08	0.0001155
795	490686.72, 3860485.12	0.05427	0.05422	0.05199	0.04678	0.06462	1.02E-04	4.757E-06	9.285E-08	7.22E-08	1.07E-04	1.25E-04	5.83E-06	9.16E-08	4.04E-08	1.31E-04	1.10E-04	4.484E-06	8.899E-08	4.174E-08	0.0001148
796	490736.72, 3860485.12	0.05398	0.05401	0.05178	0.04659	0.06432	1.01E-04	4.738E-06	9.2473E-08	7.187E-08	1.06E-04	1.24E-04	5.81E-06	9.13E-08	4.02E-08	1.30E-04	1.10E-04	4.467E-06	8.863E-08	4.155E-08	0.0001142

797	490786.72, 3860485.12	0.05366	0.05375	0.05152	0.04635	0.06394	1.01E-04	4.715E-06	9.1996E-08	7.144E-08	1.06E-04	1.24E-04	5.78E-06	9.08E-08	4.00E-08	1.29E-04	1.09E-04	4.445E-06	8.817E-08	4.13E-08	0.0001135
798	490136.72, 3860535.12	0.05399	0.05279	0.05076	0.04569	0.06166	1.01E-04	4.631E-06	9.0686E-08	6.889E-08	1.06E-04	1.24E-04	5.68E-06	8.95E-08	3.86E-08	1.30E-04	1.10E-04	4.366E-06	8.691E-08	3.983E-08	0.0001141
799	490186.72, 3860535.12	0.05417	0.05308	0.05105	0.04592	0.06194	1.02E-04	4.657E-06	9.1143E-08	6.921E-08	1.07E-04	1.25E-04	5.71E-06	9.00E-08	3.87E-08	1.31E-04	1.10E-04	4.39E-06	8.735E-08	4.001E-08	0.0001145
800	490236.72, 3860535.12	0.05409	0.05307	0.05106	0.04594	0.06213	1.02E-04	4.656E-06	9.1182E-08	6.942E-08	1.06E-04	1.25E-04	5.71E-06	9.00E-08	3.89E-08	1.30E-04	1.10E-04	4.389E-06	8.739E-08	4.013E-08	0.0001143
801	490286.72, 3860535.12	0.05409	0.05317	0.05116	0.04603	0.06238	1.02E-04	4.664E-06	9.1361E-08	6.97E-08	1.06E-04	1.25E-04	5.72E-06	9.02E-08	3.90E-08	1.30E-04	1.10E-04	4.397E-06	8.756E-08	4.03E-08	0.0001143
802	490336.72, 3860535.12	0.05412	0.0533	0.05129	0.04614	0.06265	1.02E-04	4.676E-06	9.1579E-08	7E-08	1.07E-04	1.25E-04	5.73E-06	9.04E-08	3.92E-08	1.30E-04	1.10E-04	4.408E-06	8.777E-08	4.047E-08	0.0001144
803	490386.72, 3860535.12	0.05415	0.05345	0.05142	0.04626	0.06293	1.02E-04	4.689E-06	9.1818E-08	7.031E-08	1.07E-04	1.25E-04	5.75E-06	9.06E-08	3.94E-08	1.31E-04	1.10E-04	4.42E-06	8.8E-08	4.065E-08	0.0001145
804	490436.72, 3860535.12	0.05414	0.05355	0.05151	0.04634	0.06318	1.02E-04	4.698E-06	9.1976E-08	7.059E-08	1.07E-04	1.25E-04	5.76E-06	9.08E-08	3.95E-08	1.31E-04	1.10E-04	4.429E-06	8.815E-08	4.081E-08	0.0001145
805	490486.72, 3860535.12	0.05407	0.05359	0.05153	0.04637	0.06336	1.02E-04	4.701E-06	9.2036E-08	7.079E-08	1.06E-04	1.25E-04	5.76E-06	9.08E-08	3.96E-08	1.30E-04	1.10E-04	4.432E-06	8.821E-08	4.093E-08	0.0001143
806	490536.72, 3860535.12	0.05408	0.05374	0.05165	0.04648	0.06355	1.02E-04	4.714E-06	9.2254E-08	7.101E-08	1.07E-04	1.25E-04	5.78E-06	9.11E-08	3.97E-08	1.30E-04	1.10E-04	4.444E-06	8.842E-08	4.105E-08	0.0001144
807	490586.72, 3860535.12	0.0537	0.05344	0.05135	0.04624	0.06348	1.01E-04	4.688E-06	9.1778E-08	7.093E-08	1.06E-04	1.24E-04	5.74E-06	9.06E-08	3.97E-08	1.30E-04	1.09E-04	4.419E-06	8.796E-08	4.101E-08	0.0001136
808	490636.72, 3860535.12	0.05346	0.05331	0.05121	0.04613	0.06342	1.00E-04	4.677E-06	9.156E-08	7.086E-08	1.05E-04	1.23E-04	5.73E-06	9.04E-08	3.97E-08	1.29E-04	1.09E-04	4.409E-06	8.775E-08	4.097E-08	0.0001131
809	490686.72, 3860535.12	0.05322	0.05317	0.05106	0.046	0.06329	1.00E-04	4.664E-06	9.1302E-08	7.071E-08	1.05E-04	1.23E-04	5.72E-06	9.01E-08	3.96E-08	1.28E-04	1.08E-04	4.397E-06	8.75E-08	4.088E-08	0.0001126
810	490736.72, 3860535.12	0.05292	0.05296	0.05084	0.04582	0.06306	9.94E-05	4.646E-06	9.0944E-08	7.046E-08	1.04E-04	1.22E-04	5.69E-06	8.98E-08	3.94E-08	1.28E-04	1.07E-04	4.38E-06	8.716E-08	4.073E-08	0.000112
811	490786.72, 3860535.12	0.05265	0.05277	0.05064	0.04564	0.06278	9.89E-05	4.629E-06	9.0587E-08	7.014E-08	1.04E-04	1.21E-04	5.67E-06	8.94E-08	3.93E-08	1.27E-04	1.07E-04	4.364E-06	8.682E-08	4.055E-08	0.0001114
812	490136.72, 3860585.12	0.05269	0.05157	0.0496	0.04472	0.06001	9.90E-05	4.524E-06	8.8761E-08	6.705E-08	1.04E-04	1.21E-04	5.54E-06	8.76E-08	3.75E-08	1.27E-04	1.07E-04	4.265E-06	8.507E-08	3.876E-08	0.0001114
813	490186.72, 3860585.12	0.05245	0.05138	0.04946	0.04459	0.06006	9.86E-05	4.507E-06	8.8503E-08	6.711E-08	1.03E-04	1.21E-04	5.52E-06	8.73E-08	3.76E-08	1.26E-04	1.06E-04	4.249E-06	8.482E-08	3.88E-08	0.0001109
814	490236.72, 3860585.12	0.0526	0.05161	0.0497	0.04479	0.06033	9.88E-05	4.528E-06	8.89E-08	6.741E-08	1.04E-04	1.21E-04	5.55E-06	8.77E-08	3.77E-08	1.27E-04	1.07E-04	4.268E-06	8.52E-08	3.897E-08	0.0001112
815	490286.72, 3860585.12	0.0527	0.05181	0.0499	0.04496	0.0606	9.90E-05	4.545E-06	8.9237E-08	6.771E-08	1.04E-04	1.21E-04	5.57E-06	8.81E-08	3.79E-08	1.27E-04	1.07E-04	4.285E-06	8.553E-08	3.915E-08	0.0001114
816	490336.72, 3860585.12	0.05274	0.05194	0.05003	0.04507	0.06086	9.91E-05	4.557E-06	8.9456E-08	6.8E-08	1.04E-04	1.21E-04	5.58E-06	8.83E-08	3.81E-08	1.27E-04	1.07E-04	4.295E-06	8.573E-08	3.931E-08	0.0001115
817	490386.72, 3860585.12	0.05274	0.05204	0.05013	0.04517	0.06112	9.91E-05	4.565E-06	8.9654E-08	6.829E-08	1.04E-04	1.21E-04	5.59E-06	8.85E-08	3.82E-08	1.27E-04	1.07E-04	4.304E-06	8.592E-08	3.948E-08	0.0001115
818	490436.72, 3860585.12	0.05291	0.05234	0.05041	0.0454	0.06146	9.94E-05	4.592E-06	9.0111E-08	6.867E-08	1.04E-04	1.22E-04	5.63E-06	8.89E-08	3.84E-08	1.28E-04	1.07E-04	4.328E-06	8.636E-08	3.97E-08	0.0001119
819	490486.72, 3860585.12	0.05302	0.05257	0.05061	0.04558	0.06176	9.96E-05	4.612E-06	9.0468E-08	6.901E-08	1.04E-04	1.22E-04	5.65E-06	8.93E-08	3.86E-08	1.28E-04	1.08E-04	4.347E-06	8.67E-08	3.989E-08	0.0001121
820	490536.72, 3860585.12	0.05287	0.05253	0.05056	0.04555	0.06191	9.94E-05	4.608E-06	9.0408E-08	6.917E-08	1.04E-04	1.22E-04	5.65E-06	8.92E-08	3.87E-08	1.28E-04	1.07E-04	4.344E-06	8.665E-08	3.999E-08	0.0001118
821	490586.72, 3860585.12	0.05247	0.0522	0.05024	0.0453	0.06187	9.86E-05	4.579E-06	8.9912E-08	6.913E-08	1.03E-04	1.21E-04	5.61E-06	8.87E-08	3.87E-08	1.27E-04	1.07E-04	4.317E-06	8.617E-08	3.997E-08	0.000111
822	490636.72, 3860585.12	0.05232	0.05216	0.05018	0.04526	0.06192	9.83E-05	4.576E-06	8.9833E-08	6.918E-08	1.03E-04	1.20E-04	5.61E-06	8.87E-08	3.87E-08	1.26E-04	1.06E-04	4.314E-06	8.61E-08	4E-08	0.0001107
823	490686.72, 3860585.12	0.05212	0.05206	0.05007	0.04517	0.06188	9.79E-05	4.567E-06	8.9654E-08	6.914E-08	1.03E-04	1.20E-04	5.60E-06	8.85E-08	3.87E-08	1.26E-04	1.06E-04	4.305E-06	8.592E-08	3.997E-08	0.0001103
824	490736.72, 3860585.12	0.05189	0.05193	0.04992	0.04505	0.06177	9.75E-05	4.556E-06	8.9416E-08	6.902E-08	1.02E-04	1.19E-04	5.58E-06	8.82E-08	3.86E-08	1.25E-04	1.05E-04	4.295E-06	8.57E-08	3.99E-08	0.0001098
825	490786.72, 3860585.12	0.05161	0.05174	0.04972	0.04488	0.06156	9.70E-05	4.539E-06	8.9079E-08	6.878E-08	1.02E-04	1.19E-04	5.56E-06	8.79E-08	3.85E-08	1.25E-04	1.05E-04	4.279E-06	8.537E-08	3.977E-08	0.0001092
826	490136.72, 3860635.12	0.05155	0.05051	0.0486	0.04388	0.05851	9.69E-05	4.431E-06	8.7094E-08	6.537E-08	1.01E-04	1.19E-04	5.43E-06	8.60E-08	3.66E-08	1.24E-04	1.05E-04	4.177E-06	8.347E-08	3.78E-08	0.000109
827	490186.72, 3860635.12	0.05141	0.05041	0.04854	0.04382	0.05858	9.66E-05	4.422E-06	8.6975E-08	6.545E-08	1.01E-04	1.18E-04	5.42E-06	8.58E-08	3.66E-08	1.24E-04	1.04E-04	4.169E-06	8.336E-08	3.784E-08	0.0001087
828	490236.72, 3860635.12	0.05127	0.05032	0.04849	0.04377	0.05867	9.63E-05	4.414E-06	8.6875E-08	6.555E-08	1.01E-04	1.18E-04	5.41E-06	8.57E-08	3.67E-08	1.24E-04	1.04E-04	4.161E-06	8.326E-08	3.79E-08	0.0001084
829	490286.72, 3860635.12	0.0513	0.05043	0.04861	0.04387	0.05887	9.64E-05	4.424E-06	8.7074E-08	6.578E-08	1.01E-04	1.18E-04	5.42E-06	8.59E-08	3.68E-08	1.24E-04	1.04E-04	4.17E-06	8.345E-08	3.803E-08	0.0001085
830	490336.72, 3860635.12	0.05138	0.0506	0.04878	0.04402	0.05913	9.66E-05	4.439E-06	8.7372E-08	6.607E-08	1.01E-04	1.18E-04	5.44E-06	8.62E-08	3.70E-08	1.24E-04	1.04E-04	4.185E-06	8.374E-08	3.82E-08	0.0001086
831	490386.72, 3860635.12	0.05143	0.05075	0.04893	0.04415	0.05939	9.66E-05	4.452E-06	8.763E-08	6.636E-08	1.01E-04	1.18E-04	5.46E-06	8.65E-08	3.71E-08	1.24E-04	1.04E-04	4.197E-06	8.398E-08	3.836E-08	0.0001087
832	490436.72, 3860635.12	0.05144	0.05085	0.04903	0.04424	0.05964	9.67E-05	4.461E-06	8.7808E-08	6.664E-08	1.01E-04	1.18E-04	5.47E-06	8.67E-08	3.73E-08	1.24E-04	1.04E-04	4.205E-06	8.416E-08	3.853E-08	0.0001088
833	490486.72, 3860635.12	0.05146	0.05097	0.04914	0.04434	0.0599	9.67E-05	4.471E-06	8.8007E-08	6.693E-08	1.01E-04	1.19E-04	5.48E-06	8.69E-08	3.75E-08	1.24E-04	1.04E-04	4.215E-06	8.435E-08	3.869E-08	0.0001088
834	490536.72, 3860635.12	0.0515	0.05112	0.04928	0.04446	0.06017	9.68E-05	4.485E-06	8.8245E-08	6.723E-08	1.01E-04	1.19E-04	5.50E-06	8.71E-08	3.76E-08	1.24E-04	1.05E-04	4.228E-06	8.457E-08	3.887E-08	0.0001089
835	490586.72, 3860635.12	0.05133	0.05105	0.0492	0.04441	0.06029	9.65E-05	4.478E-06	8.8146E-08	6.736E-08	1.01E-04	1.18E-04	5.49E-06	8.70E-08	3.77E-08	1.24E-04	1.04E-04	4.222E-06	8.448E-08	3.895E-08	0.0001086
836	490636.72, 3860635.12	0.05123	0.05106	0.04919	0.04441	0.06042	9.63E-05	4.479E-06	8.8146E-08	6.751E-08	1.01E-04	1.18E-04	5.49E-06	8.70E-08	3.78E-08	1.24E-04	1.04E-04	4.223E-06	8.448E-08	3.903E-08	0.0001084
837	490686.72, 3860635.12	0.05107	0.051	0.04911	0.04436	0.06046	9.60E-05	4.474E-06	8.8046E-08	6.755E-08	1.01E-04	1.18E-04	5.48E-06	8.69E-08	3.78E-08	1.23E-04	1.04E-04	4.218E-06	8.438E-08	3.906E-08	0.000108
838	490736.72, 3860635.12	0.05083	0.05086	0.04896	0.04423	0.0604	9.55E-05	4.462E-06	8.7788E-08	6.749E-08	1.00E-04	1.17E-04	5.47E-06	8.66E-08	3.78E-08	1.23E-04	1.03E-04	4.206E-06	8.414E-08	3.902E-08	0.0001075
839	490786.72, 3860635.12	0.05062	0.05073	0.04882	0.04412	0.0603	9.51E-05	4.45E-06	8.757E-08	6.737E-08	9.97E-05	1.17E-04	5.45E-06	8.64E-08	3.77E-08	1.22E-04	1.03E-04	4.195E-06	8.393E-08	3.895E-08	0.0001071
840	490136.72, 3860685.12	0.05015	0.04915	0.04731	0.04282	0.05696	9.42E-05	4.312E-06	8.499E-08	6.364E-08	9.87E-05	1.15E-04	5.28E-06	8.39E-08	3.56E-08	1.21E-04	1.02E-04	4.065E-06	8.145E-08	3.679E-08	0.000106
841	490186.72, 3860685.12	0.05045	0.04954	0.04771	0.04312	0.05719	9.48E-05	4.346E-06	8.5585E-08	6.39E-08	9.93E-05	1.16E-04	5.33E-06	8.45E-08	3.58E-08	1.22E-04	1.02E-04	4.097E-06	8.203E-08	3.694E-08	0.0001066
842	490236.72, 3860685.12	0.05022	0.04934	0.04755	0.04298	0.05722	9.44E-05	4.328E-06	8.5307E-08	6.393E-08	9.89E-05	1.16E-04	5.30E-06	8.42E-08	3.58E-08	1.21E-04	1.02E-04	4.08E-06	8.176E-08	3.696E-08	0.0001062
843	490286.72, 3860685.12	0.04994	0.0491	0.04735	0.04281	0.05723	9.38E-05	4.307E-06	8.497E-08	6.394E-08	9.83E-05	1.15E-04	5.28E-06	8.39E-08	3.58E-08	1.20E-04	1.01E-04	4.061E-06	8.144E-08	3.697E-08	0.0001056
844	490336.72, 3860685.12	0.05009	0.04933	0.04759	0.04301	0.05749	9.41E-05	4.328E-06	8.5367E-08	6.423E-08	9.86E-05	1.15E-04	5.30E-06	8.43E-08	3.60E-08	1.21E-04	1.02E-04	4.08E-06	8.182E-08	3.714E-08	0.0001059
845	490386.72, 3860685.12	0.05015	0.04948	0.04775	0.04314	0.05774	9.42E-05	4.341E-06	8.5625E-08	6.451E-08	9.87E-05	1.15E-04	5.32E-06	8.45E-08	3.61E-08	1.21E-04	1.02E-04	4.092E-06	8.206E-08	3.73E-08	0.000106
846	490436.72, 3860685.12	0.05014	0.04954	0.04782	0.04321	0.05795	9.42E-05	4.346E-06	8.5764E-08	6.475E-08	9.87E-05	1.15E-04	5.33E-06	8.46E-08	3.62E-08	1.21E-04	1.02E-04	4.097E-06	8.22E-08	3.743E-08	0.000106
847	490486.72, 3860685.12	0.0501	0.0496	0.04788	0.04327	0.05818	9.41E-05	4.351E-06	8.5883E-08	6.501E-08	9.87E-05	1.15E-04	5.33E-06	8.48E-08	3.64E-08	1.21E-04	1.02E-04	4.102E-06	8.231E-08	3.758E-08	0.0001059
848	490536.72, 3860685.12	0.05013	0.04972	0.04799	0.04337	0.05844	9.42E-05	4.362E-06	8.6081E-08	6.53E-08	9.87E-05	1.15E-04	5.35E-06	8.50E-08	3.66E-08	1.21E-04	1.02E-04	4.112E-06	8.25E-08	3.775E-08	0.000106
849	490586.72, 3860685.12	0.05011	0.04981	0.04806	0.04344	0.05866	9.42E-05	4.37E-06	8.622E-08	6.554E-08	9.87E-05	1.15E-04	5.35E-06	8.51E-08	3.67E-08	1.21E-04	1.02E-04	4.119E-06	8.263E-08	3.789E-08	0.000106
850	490636.72, 3860685.12	0.05009	0.04989	0.04813	0.0435	0.05886	9.41E-05	4.377E-06	8.6339E-08	6.577E-08	9.87E-05	1.15E-04	5.36E-06	8.52E-08	3.68E-08	1.21E-04	1.02E-04	4.126E-06	8.275E-08	3.802E-08	0.0001059
851	490686.72, 3860685.12	0.05003	0.04994	0.04816	0.04354	0.05901	9.40E-05	4.381E-06	8.6419E-08	6.593E-08	9.85E-05	1.15E-04	5.37E-06	8.53E-08	3.69E-08	1.21E-04	1.02E-04	4.13E-06	8.282E-08	3.812E-08	0.0001058
852	490736.72, 3860685.12	0.04986	0.04986	0.04807	0.04347	0.05905	9.37E-05	4.374E-06	8.628E-08	6.598E-08	9.82E-05	1.15E-04	5.36E-06	8.52E-08	3.69E-08	1.20E-04	1.01E-04	4.123E-06	8.269E-08	3.814E-08	0.0001055
853	490786.72, 3860685.12	0.04975	0.04986	0.04804	0.04346	0.05907	9.35E-05	4.374E-06	8.626E-08	6.6E-08	9.80E-05	1.15E-04	5.36E-06	8.51E-08	3.69E-08	1.20E-04	1.01E-04	4.123E-06	8.267E-08	3.816E-08	0.0001053
854	490136.72, 3860735.12	0.04858	0.04759	0.04585	0.04161	0.05535	9.13E-05	4.175E-06	8.2588E-08	6.184E-08	9.56E-05	1.12E-04	5.12E-06	8.15E-08	3.46E-08	1.17E-04	9.86E-05	3.936E-06	7.915E-08	3.575E-08	0.0001027
855	490186.72, 3860735.12	0.04857	0.04763	0.04591	0.04164	0.05542	9.13E-05	4.178E-06	8.2648E-08	6.192E-08	9.56E-05	1.12E-04	5.12E-06	8.16E-08	3.47E-08	1.17E-04	9.86E-05	3.939E-06	7.921E-08	3.58E-08	0.0001027
856	490236.72, 3860735.12	0.04862	0.04774	0.04604	0.04172	0.05554	9.14E-05	4.188E-06	8.2806E-08	6.206E-08	9.57E-05	1.12E-04	5.13E-06	8.17E-08	3.47E-08	1.17E-04	9.87E-05	3.948E-06	7.936E-08	3.588E-08	0.0001028
857	490286.72, 3860735.12	0.0487	0.04788	0.0462	0.04185	0.05571	9.15E-05	4.2E-06	8.3065E-08	6.225E-08	9.59E-05	1.12E-04	5.15E-06	8.20E-08	3.48E-08	1.17E-04	9.89E-05	3.96E-06	7.961E-08	3.599E-08	0.000103
858	490336.72, 3860735.12	0.04876	0.04801	0.04635	0.04196	0.05589	9.16E-05	4.212E-06	8.3283E-08	6.245E-08	9.60E-05	1.12E-04	5.16E-06	8.22E-08	3.50E-08	1.18E-04	9.90E-05	3.97E-06	7.982E-08	3.61E-08	0.0001031
859	490386.72, 3860735.12	0.04887	0.04821	0.04655	0.04213	0.05613	9.18E-05	4.229E-06	8.362E-08	6.271E-08	9.62E-05	1.13E-04	5.18E-06	8.25E-08	3.51E-08	1.18E-04	9.92E-05	3.987E-06	8.014E-08	3.626E-08	0.0001033
860	490436.72, 3860735.12	0.04908	0.04851	0.04685	0.04238	0.05645	9.22E-05	4.256E-06	8.4116E-08	6.307E-08	9.66E-05	1.13E-04	5.21E-06	8.30E-08	3.53E-08	1.18E-04	9.97E-05	4.012E-06	8.062E-08	3.646E-08	0.0001038
861	490486.72, 3860735.12	0.04902	0.04853	0.04688	0.04241	0.05664	9.21E-05	4.257E-06	8.4176E-08	6.328E-08	9.65E-05	1.13E-04	5.22E-06	8.31E-08	3.54E-08	1.18E-04	9.95E-05	4.013E-06	8.067E-08	3.659E-08	0.0001037
862	490536.72, 3860735.12	0.04888	0.04846	0.04682	0.04237	0.05679	9.19E-05	4.251E-06	8.4097E-08	6.345E-08	9.63E-05	1.13E-04	5.21E-06	8.30E-08	3.55E-08	1.18E-04	9.92E-05	4.008E-06	8.06E-08	3.668E-08	0.0001034
863	490586.72, 3860735.12	0.04886	0.04853	0.04689	0.04243	0.05702	9.18E-05	4.257E-06	8.4216E-08	6.371E-08	9.62E-05	1.13E-04	5.22E-06	8.31E-08	3.57E-08	1.18E-04	9.92E-05	4.013E-06	8.071E-08	3.683E-08	0.0001033
864	490636.72, 3860735.12	0.04884	0.04861	0.04696	0.0425	0.05724	9.18E-05	4.264E-06	8.4355E-08	6.396E-08	9.62E-05	1.12E-04	5.23E-06	8.33E-08	3.58E-08	1.18E-04	9.92E-05	4.02E-06	8.085E-08	3.698E-08	0.0001033
865	490686.72, 3860735.12	0.04887	0.04875	0.04707	0.04261	0.05747	9.18E-05	4.277E-06	8.4573E-08	6.421E-08	9.63E-05	1.13E-04	5.24E-06	8.35E-08	3.59E-08	1.18E-04	9.92E-05	4.032E-06	8.105E-08	3.712E-08	0.0001034
866	490736.72, 3860735.12	0.04886	0.04884	0.04714	0.04268	0.05765	9.18E-05	4.285E-06	8.4712E-08	6.441E-08	9.63E-05	1.13E-04	5.25E-06	8.36E-08	3.61E-08	1.18E-04	9.92E-05	4.039E-06	8.119E-08	3.724E-08	0.0001034
867	490136.72, 3860785.12	0.0472	0.04624	0.04457	0.04057	0.05387	8.87E-05	4.056E-06	8.0524E-08	6.019E-08	9.29E-05	1.09E-04	4.97E-06	7.95E-08	3.37E-08	1.14E-04	9.58E-05	3.824E-06	7.717E-08	3.48E-08	9.977E-05
868	490186.72, 3860785.12	0.04727	0.04636	0.04471	0.04065	0.05397	8.88E-05	4.067E-06	8.0683E-08	6.03E-08	9.30E-05	1.09E-04	4.98E-06	7.96E-08	3.38E-08	1.14E-04	9.60E-05	3.834E-06	7.733E-08	3.486E-08	9.992E-05
869	490236.72, 3860785.12	0.04733	0.04648	0.04484	0.04072	0.05408	8.89E-05	4.078E-06	8.0822E-08	6.042E-08	9.32E-05	1.09E-04	5.00E-06	7.98E-08	3.38E-08	1.14E-04	9.61E-05	3.844E-06	7.746E-08	3.493E-08	0.0001001
870	490286.72, 3860785.12	0.0474	0.04661	0.04499	0.04083	0.05421	8.91E-05	4.089E-06	8.104E-08	6.057E-08	9.33E-05	1.09E-04	5.01E-06	8.00E-08	3.39E-08	1.14E-04	9.62E-05	3.855E-06	7.767E-08	3.502E-08	0.0001002
871	490336.72, 3860785.12	0.04745	0.04673	0.04513	0.04093	0.05436	8.92E-05	4.099E-06	8.1238E-08	6.074E-08	9.34E-05	1.09E-04	5.02E-06	8.02E-08	3.40E-08	1.14E-04	9.63E-05	3.865E-06	7.786E-08	3.511E-08	0.0001003
872	490386.72, 3860785.12	0.04762	0.04697	0.04538	0.04114	0.0546	8.95E-05	4.121E-06	8.1655E-08	6.101E-08	9.38E-05	1.10E-04	5.05E-06	8.06E-08	3.41E-08	1.15E-04	9.67E-05	3.884E-06	7.826E-08	3.527E-08	0.0001007
873	490436.72, 3860785.12	0.04768	0.0471	0.04552	0.04125	0.05481	8.96E-05	4.132E-06	8.1874E-08	6.124E-08	9.39E-05	1.10E-04	5.06E-06	8.08E-08	3.43E-08	1.15E-04	9.68E-05	3.895E-06	7.847E-08	3.541E-08	0.0001008
874	490486.72, 3860785.12	0.04782	0.04732	0.04575	0.04145	0.05509	8.99E-05	4.151E-06	8.2271E-08	6.155E-08	9.42E-05	1.10E-04	5.09E-06	8.12E-08	3.45E-08	1.15E-04	9.71E-05	3.913E-06	7.885E-08	3.559E-08	0.0001011
875	490536.72, 3860785.12	0.04778	0.04736	0.0458	0.04149	0.05528	8.98E-05	4.155E-06	8.235E-08	6.177E-08	9.41E-05	1.10E-04	5.09E-06	8.13E-08	3.46E-08	1.15E-04	9.70E-05	3.917E-06	7.892E-08	3.571E-08	0.000101
876	490586.72, 3860785.12	0.04765	0.04731	0.04576	0.04146	0.05543	8.95E-05	4.15E-06	8.229E-08	6.193E-08	9.38E-05	1.10E-04	5.09E-06	8.12E-08	3.47E-08	1.15E-04	9.67E-05	3.912E-06	7.887E-08	3.581E-08	0.0001008

877	490636.72, 3860785.12	0.04764	0.04738	0.04582	0.04153	0.05565	8.95E-05	4.156E-06	8.2429E-08	6.218E-08	9.38E-05	1.10E-04	5.09E-06	8.14E-08	3.48E-08	1.15E-04	9.67E-05	3.918E-06	7.9E-08	3.595E-08	0.0001008
878	490686.72, 3860785.12	0.04766	0.0475	0.04592	0.04163	0.05589	8.96E-05	4.167E-06	8.2628E-08	6.245E-08	9.39E-05	1.10E-04	5.11E-06	8.15E-08	3.50E-08	1.15E-04	9.68E-05	3.928E-06	7.919E-08	3.61E-08	0.0001008
879	490736.72, 3860785.12	0.0477	0.04764	0.04605	0.04174	0.05613	8.96E-05	4.179E-06	8.2846E-08	6.271E-08	9.40E-05	1.10E-04	5.12E-06	8.18E-08	3.51E-08	1.15E-04	9.68E-05	3.94E-06	7.94E-08	3.626E-08	0.0001009
880	490086.72, 3860835.12	0.04594	0.04494	0.04335	0.03963	0.05247	8.63E-05	3.942E-06	7.8658E-08	5.863E-08	9.04E-05	1.06E-04	4.83E-06	7.76E-08	3.28E-08	1.11E-04	9.33E-05	3.716E-06	7.539E-08	3.389E-08	9.71E-05
881	490136.72, 3860835.12	0.04607	0.04513	0.04354	0.03973	0.05258	8.66E-05	3.959E-06	7.8857E-08	5.875E-08	9.07E-05	1.06E-04	4.85E-06	7.78E-08	3.29E-08	1.11E-04	9.35E-05	3.732E-06	7.558E-08	3.397E-08	9.738E-05
882	490186.72, 3860835.12	0.04608	0.0452	0.04361	0.03975	0.05263	8.66E-05	3.965E-06	7.8896E-08	5.88E-08	9.07E-05	1.06E-04	4.86E-06	7.79E-08	3.29E-08	1.11E-04	9.36E-05	3.738E-06	7.561E-08	3.4E-08	9.741E-05
883	490236.72, 3860835.12	0.04612	0.0453	0.04372	0.0398	0.0527	8.67E-05	3.974E-06	7.8996E-08	5.888E-08	9.08E-05	1.06E-04	4.87E-06	7.80E-08	3.30E-08	1.11E-04	9.36E-05	3.746E-06	7.571E-08	3.404E-08	9.75E-05
884	490286.72, 3860835.12	0.0462	0.04544	0.04388	0.0399	0.05282	8.68E-05	3.986E-06	7.9194E-08	5.902E-08	9.09E-05	1.06E-04	4.88E-06	7.82E-08	3.30E-08	1.11E-04	9.38E-05	3.758E-06	7.59E-08	3.412E-08	9.767E-05
885	490336.72, 3860835.12	0.04624	0.04553	0.04399	0.03998	0.05293	8.69E-05	3.994E-06	7.9353E-08	5.914E-08	9.10E-05	1.06E-04	4.89E-06	7.83E-08	3.31E-08	1.11E-04	9.39E-05	3.765E-06	7.605E-08	3.419E-08	9.776E-05
886	490386.72, 3860835.12	0.04631	0.04566	0.04414	0.04009	0.05308	8.70E-05	4.006E-06	7.9571E-08	5.931E-08	9.12E-05	1.07E-04	4.91E-06	7.85E-08	3.32E-08	1.12E-04	9.40E-05	3.776E-06	7.626E-08	3.429E-08	9.791E-05
887	490436.72, 3860835.12	0.04643	0.04585	0.04435	0.04025	0.0533	8.73E-05	4.022E-06	7.9889E-08	5.955E-08	9.14E-05	1.07E-04	4.93E-06	7.88E-08	3.33E-08	1.12E-04	9.43E-05	3.792E-06	7.657E-08	3.443E-08	9.817E-05
888	490486.72, 3860835.12	0.04653	0.04602	0.04453	0.0404	0.05353	8.74E-05	4.037E-06	8.0187E-08	5.981E-08	9.16E-05	1.07E-04	4.95E-06	7.91E-08	3.35E-08	1.12E-04	9.45E-05	3.806E-06	7.685E-08	3.458E-08	9.839E-05
889	490536.72, 3860835.12	0.04657	0.04614	0.04465	0.04051	0.05375	8.75E-05	4.048E-06	8.0405E-08	6.006E-08	9.17E-05	1.07E-04	4.96E-06	7.94E-08	3.36E-08	1.12E-04	9.46E-05	3.816E-06	7.706E-08	3.472E-08	9.848E-05
890	490586.72, 3860835.12	0.04655	0.04619	0.04471	0.04057	0.05394	8.75E-05	4.052E-06	8.0524E-08	6.027E-08	9.17E-05	1.07E-04	4.97E-06	7.95E-08	3.37E-08	1.12E-04	9.45E-05	3.82E-06	7.717E-08	3.484E-08	9.845E-05
891	490636.72, 3860835.12	0.04652	0.04624	0.04477	0.04062	0.05414	8.74E-05	4.056E-06	8.0623E-08	6.049E-08	9.16E-05	1.07E-04	4.97E-06	7.96E-08	3.39E-08	1.12E-04	9.45E-05	3.824E-06	7.727E-08	3.497E-08	9.839E-05
892	490686.72, 3860835.12	0.04655	0.04636	0.04487	0.04072	0.05439	8.75E-05	4.067E-06	8.0822E-08	6.077E-08	9.17E-05	1.07E-04	4.98E-06	7.98E-08	3.40E-08	1.12E-04	9.45E-05	3.834E-06	7.746E-08	3.513E-08	9.846E-05
893	490736.72, 3860835.12	0.04661	0.04652	0.04502	0.04085	0.05465	8.76E-05	4.081E-06	8.108E-08	6.106E-08	9.18E-05	1.07E-04	5.00E-06	8.00E-08	3.42E-08	1.12E-04	9.46E-05	3.847E-06	7.771E-08	3.53E-08	9.86E-05
894	490086.72, 3860885.12	0.04487	0.0439	0.04239	0.03886	0.05125	8.43E-05	3.851E-06	7.713E-08	5.726E-08	8.83E-05	1.03E-04	4.72E-06	7.61E-08	3.21E-08	1.08E-04	9.11E-05	3.63E-06	7.392E-08	3.311E-08	9.484E-05
895	490136.72, 3860885.12	0.04493	0.04402	0.0425	0.03889	0.05131	8.44E-05	3.862E-06	7.7189E-08	5.733E-08	8.84E-05	1.03E-04	4.73E-06	7.62E-08	3.21E-08	1.08E-04	9.12E-05	3.64E-06	7.398E-08	3.314E-08	9.497E-05
896	490186.72, 3860885.12	0.04497	0.04411	0.04259	0.03891	0.05136	8.45E-05	3.87E-06	7.7229E-08	5.739E-08	8.85E-05	1.04E-04	4.74E-06	7.62E-08	3.21E-08	1.08E-04	9.13E-05	3.648E-06	7.402E-08	3.318E-08	9.506E-05
897	490236.72, 3860885.12	0.04502	0.04422	0.0427	0.03896	0.05143	8.46E-05	3.879E-06	7.7328E-08	5.746E-08	8.86E-05	1.04E-04	4.75E-06	7.63E-08	3.22E-08	1.09E-04	9.14E-05	3.657E-06	7.411E-08	3.322E-08	9.517E-05
898	490286.72, 3860885.12	0.04506	0.04432	0.04281	0.03902	0.05151	8.47E-05	3.888E-06	7.7447E-08	5.755E-08	8.87E-05	1.04E-04	4.76E-06	7.64E-08	3.22E-08	1.09E-04	9.15E-05	3.665E-06	7.423E-08	3.327E-08	9.526E-05
899	490336.72, 3860885.12	0.04509	0.0444	0.04291	0.03907	0.05159	8.47E-05	3.895E-06	7.7547E-08	5.764E-08	8.88E-05	1.04E-04	4.77E-06	7.65E-08	3.23E-08	1.09E-04	9.15E-05	3.672E-06	7.432E-08	3.333E-08	9.533E-05
900	490386.72, 3860885.12	0.04518	0.04455	0.04308	0.03919	0.05173	8.49E-05	3.908E-06	7.7785E-08	5.78E-08	8.89E-05	1.04E-04	4.79E-06	7.68E-08	3.24E-08	1.09E-04	9.17E-05	3.684E-06	7.455E-08	3.342E-08	9.552E-05
901	490436.72, 3860885.12	0.04529	0.04472	0.04327	0.03934	0.05191	8.51E-05	3.923E-06	7.8083E-08	5.8E-08	8.92E-05	1.04E-04	4.81E-06	7.71E-08	3.25E-08	1.09E-04	9.20E-05	3.698E-06	7.483E-08	3.353E-08	9.576E-05
902	490486.72, 3860885.12	0.04537	0.04486	0.04342	0.03946	0.05209	8.53E-05	3.935E-06	7.8321E-08	5.82E-08	8.93E-05	1.04E-04	4.82E-06	7.73E-08	3.26E-08	1.09E-04	9.21E-05	3.71E-06	7.506E-08	3.365E-08	9.594E-05
903	490536.72, 3860885.12	0.04542	0.04497	0.04355	0.03957	0.05228	8.54E-05	3.945E-06	7.8539E-08	5.841E-08	8.94E-05	1.05E-04	4.83E-06	7.75E-08	3.27E-08	1.10E-04	9.22E-05	3.719E-06	7.527E-08	3.377E-08	9.605E-05
904	490586.72, 3860885.12	0.04543	0.04506	0.04365	0.03965	0.05248	8.54E-05	3.953E-06	7.8698E-08	5.864E-08	8.95E-05	1.05E-04	4.84E-06	7.77E-08	3.28E-08	1.10E-04	9.22E-05	3.726E-06	7.542E-08	3.39E-08	9.608E-05
905	490636.72, 3860885.12	0.04543	0.04513	0.04372	0.03972	0.05268	8.54E-05	3.959E-06	7.8837E-08	5.886E-08	8.95E-05	1.05E-04	4.85E-06	7.78E-08	3.29E-08	1.10E-04	9.22E-05	3.732E-06	7.556E-08	3.403E-08	9.608E-05
906	490686.72, 3860885.12	0.04544	0.04522	0.04382	0.03981	0.05291	8.54E-05	3.967E-06	7.9015E-08	5.912E-08	8.95E-05	1.05E-04	4.86E-06	7.80E-08	3.31E-08	1.10E-04	9.23E-05	3.74E-06	7.573E-08	3.418E-08	9.611E-05
907	490736.72, 3860885.12	0.04546	0.04533	0.04392	0.0399	0.05314	8.54E-05	3.977E-06	7.9194E-08	5.937E-08	8.95E-05	1.05E-04	4.87E-06	7.82E-08	3.32E-08	1.10E-04	9.23E-05	3.749E-06	7.59E-08	3.433E-08	9.616E-05
908	490086.72, 3860935.12	0.04377	0.04281	0.04139	0.03806	0.05003	8.23E-05	3.756E-06	7.5542E-08	5.59E-08	8.61E-05	1.01E-04	4.60E-06	7.46E-08	3.13E-08	1.06E-04	8.89E-05	3.54E-06	7.24E-08	3.232E-08	9.251E-05
909	490136.72, 3860935.12	0.04377	0.04287	0.04143	0.03803	0.05004	8.23E-05	3.761E-06	7.5483E-08	5.591E-08	8.61E-05	1.01E-04	4.61E-06	7.45E-08	3.13E-08	1.06E-04	8.89E-05	3.545E-06	7.234E-08	3.232E-08	9.252E-05
910	490186.72, 3860935.12	0.04385	0.04302	0.04156	0.03808	0.05012	8.24E-05	3.774E-06	7.5582E-08	5.6E-08	8.63E-05	1.01E-04	4.62E-06	7.46E-08	3.13E-08	1.06E-04	8.90E-05	3.558E-06	7.244E-08	3.238E-08	9.269E-05
911	490236.72, 3860935.12	0.04392	0.04314	0.04168	0.03813	0.05019	8.25E-05	3.785E-06	7.5681E-08	5.608E-08	8.65E-05	1.01E-04	4.64E-06	7.47E-08	3.14E-08	1.06E-04	8.92E-05	3.568E-06	7.253E-08	3.242E-08	9.285E-05
912	490286.72, 3860935.12	0.044	0.04327	0.04182	0.0382	0.05028	8.27E-05	3.796E-06	7.582E-08	5.618E-08	8.66E-05	1.01E-04	4.65E-06	7.48E-08	3.14E-08	1.06E-04	8.93E-05	3.578E-06	7.267E-08	3.248E-08	9.302E-05
913	490336.72, 3860935.12	0.04401	0.04334	0.0419	0.03824	0.05033	8.27E-05	3.802E-06	7.5899E-08	5.623E-08	8.66E-05	1.01E-04	4.66E-06	7.49E-08	3.15E-08	1.06E-04	8.94E-05	3.584E-06	7.274E-08	3.251E-08	9.305E-05
914	490386.72, 3860935.12	0.04411	0.0435	0.04207	0.03835	0.05046	8.29E-05	3.816E-06	7.6118E-08	5.638E-08	8.68E-05	1.02E-04	4.68E-06	7.51E-08	3.16E-08	1.06E-04	8.96E-05	3.597E-06	7.295E-08	3.26E-08	9.326E-05
915	490436.72, 3860935.12	0.04421	0.04365	0.04224	0.03847	0.05061	8.31E-05	3.829E-06	7.6356E-08	5.655E-08	8.70E-05	1.02E-04	4.69E-06	7.54E-08	3.17E-08	1.07E-04	8.98E-05	3.61E-06	7.318E-08	3.269E-08	9.348E-05
916	490486.72, 3860935.12	0.04426	0.04376	0.04237	0.03857	0.05075	8.32E-05	3.839E-06	7.6554E-08	5.67E-08	8.71E-05	1.02E-04	4.70E-06	7.56E-08	3.17E-08	1.07E-04	8.99E-05	3.619E-06	7.337E-08	3.278E-08	9.359E-05
917	490536.72, 3860935.12	0.04433	0.04389	0.04252	0.03869	0.05092	8.33E-05	3.85E-06	7.6793E-08	5.689E-08	8.73E-05	1.02E-04	4.72E-06	7.58E-08	3.18E-08	1.07E-04	9.00E-05	3.63E-06	7.36E-08	3.289E-08	9.374E-05
918	490586.72, 3860935.12	0.04435	0.04397	0.04262	0.03877	0.05109	8.33E-05	3.857E-06	7.6951E-08	5.708E-08	8.73E-05	1.02E-04	4.73E-06	7.59E-08	3.20E-08	1.07E-04	9.00E-05	3.636E-06	7.375E-08	3.3E-08	9.379E-05
919	490636.72, 3860935.12	0.04436	0.04405	0.04271	0.03885	0.05127	8.34E-05	3.864E-06	7.711E-08	5.728E-08	8.74E-05	1.02E-04	4.74E-06	7.61E-08	3.21E-08	1.07E-04	9.01E-05	3.643E-06	7.39E-08	3.312E-08	9.382E-05
920	490686.72, 3860935.12	0.04439	0.04415	0.04281	0.03894	0.05149	8.34E-05	3.873E-06	7.7289E-08	5.753E-08	8.74E-05	1.02E-04	4.75E-06	7.63E-08	3.22E-08	1.07E-04	9.01E-05	3.651E-06	7.407E-08	3.326E-08	9.389E-05
921	490736.72, 3860935.12	0.04441	0.04424	0.04291	0.03903	0.05171	8.35E-05	3.881E-06	7.7467E-08	5.778E-08	8.75E-05	1.02E-04	4.76E-06	7.65E-08	3.23E-08	1.07E-04	9.02E-05	3.659E-06	7.424E-08	3.34E-08	9.394E-05
922	490786.72, 3860935.12	0.04442	0.04434	0.043	0.03912	0.05194	8.35E-05	3.89E-06	7.7646E-08	5.803E-08	8.75E-05	1.02E-04	4.77E-06	7.66E-08	3.25E-08	1.07E-04	9.02E-05	3.667E-06	7.442E-08	3.355E-08	9.396E-05
923	490836.72, 3860935.12	0.04448	0.04449	0.04314	0.03924	0.0522	8.36E-05	3.903E-06	7.7884E-08	5.832E-08	8.76E-05	1.02E-04	4.78E-06	7.69E-08	3.26E-08	1.07E-04	9.03E-05	3.679E-06	7.464E-08	3.372E-08	9.41E-05
924	490086.72, 3860985.12	0.04277	0.04183	0.04048	0.03734	0.0489	8.04E-05	3.67E-06	7.4113E-08	5.464E-08	8.42E-05	9.85E-05	4.50E-06	7.31E-08	3.06E-08	1.03E-04	8.68E-05	3.459E-06	7.103E-08	3.159E-08	9.04E-05
925	490136.72, 3860985.12	0.04281	0.04193	0.04056	0.03734	0.04894	8.04E-05	3.678E-06	7.4113E-08	5.468E-08	8.43E-05	9.86E-05	4.51E-06	7.31E-08	3.06E-08	1.03E-04	8.69E-05	3.468E-06	7.103E-08	3.161E-08	9.049E-05
926	490186.72, 3860985.12	0.0429	0.04207	0.04068	0.03738	0.04901	8.06E-05	3.691E-06	7.4192E-08	5.476E-08	8.44E-05	9.88E-05	4.52E-06	7.32E-08	3.07E-08	1.03E-04	8.71E-05	3.479E-06	7.111E-08	3.166E-08	9.069E-05
927	490236.72, 3860985.12	0.0429	0.04213	0.04074	0.03736	0.04903	8.06E-05	3.696E-06	7.4153E-08	5.478E-08	8.44E-05	9.88E-05	4.53E-06	7.32E-08	3.07E-08	1.03E-04	8.71E-05	3.484E-06	7.107E-08	3.167E-08	9.069E-05
928	490286.72, 3860985.12	0.04293	0.04222	0.04083	0.03739	0.04908	8.07E-05	3.704E-06	7.4212E-08	5.484E-08	8.45E-05	9.89E-05	4.54E-06	7.32E-08	3.07E-08	1.04E-04	8.72E-05	3.492E-06	7.113E-08	3.17E-08	9.076E-05
929	490336.72, 3860985.12	0.04299	0.04233	0.04094	0.03744	0.04914	8.08E-05	3.713E-06	7.4311E-08	5.49E-08	8.46E-05	9.90E-05	4.55E-06	7.33E-08	3.07E-08	1.04E-04	8.73E-05	3.501E-06	7.122E-08	3.174E-08	9.089E-05
930	490386.72, 3860985.12	0.04306	0.04245	0.04108	0.03752	0.04923	8.09E-05	3.724E-06	7.447E-08	5.501E-08	8.48E-05	9.92E-05	4.56E-06	7.35E-08	3.08E-08	1.04E-04	8.74E-05	3.511E-06	7.137E-08	3.18E-08	9.104E-05
931	490436.72, 3860985.12	0.04319	0.04264	0.04127	0.03766	0.04938	8.12E-05	3.741E-06	7.4748E-08	5.517E-08	8.50E-05	9.95E-05	4.58E-06	7.38E-08	3.09E-08	1.04E-04	8.77E-05	3.526E-06	7.164E-08	3.19E-08	9.132E-05
932	490486.72, 3860985.12	0.04323	0.04273	0.04139	0.03774	0.04949	8.12E-05	3.749E-06	7.4907E-08	5.53E-08	8.51E-05	9.96E-05	4.59E-06	7.39E-08	3.10E-08	1.04E-04	8.78E-05	3.534E-06	7.179E-08	3.197E-08	9.141E-05
933	490536.72, 3860985.12	0.04326	0.04281	0.04149	0.03781	0.04961	8.13E-05	3.756E-06	7.5046E-08	5.543E-08	8.52E-05	9.96E-05	4.60E-06	7.41E-08	3.10E-08	1.04E-04	8.78E-05	3.54E-06	7.192E-08	3.205E-08	9.148E-05
934	490586.72, 3860985.12	0.04329	0.0429	0.0416	0.0379	0.04975	8.14E-05	3.763E-06	7.5224E-08	5.559E-08	8.52E-05	9.97E-05	4.61E-06	7.42E-08	3.11E-08	1.04E-04	8.79E-05	3.548E-06	7.21E-08	3.214E-08	9.155E-05
935	490636.72, 3860985.12	0.04335	0.04302	0.04173	0.03801	0.04995	8.15E-05	3.774E-06	7.5443E-08	5.581E-08	8.54E-05	9.98E-05	4.62E-06	7.45E-08	3.12E-08	1.05E-04	8.80E-05	3.558E-06	7.23E-08	3.227E-08	9.168E-05
936	490686.72, 3860985.12	0.04337	0.04311	0.04183	0.03809	0.05013	8.15E-05	3.782E-06	7.5602E-08	5.601E-08	8.54E-05	9.99E-05	4.63E-06	7.46E-08	3.14E-08	1.05E-04	8.81E-05	3.565E-06	7.246E-08	3.238E-08	9.173E-05
937	490736.72, 3860985.12	0.04338	0.04319	0.04191	0.03817	0.05033	8.15E-05	3.789E-06	7.576E-08	5.623E-08	8.54E-05	9.99E-05	4.64E-06	7.48E-08	3.15E-08	1.05E-04	8.81E-05	3.572E-06	7.261E-08	3.251E-08	9.175E-05
938	490786.72, 3860985.12	0.04341	0.0433	0.04203	0.03827	0.05056	8.16E-05	3.799E-06	7.5959E-08	5.649E-08	8.55E-05	1.00E-04	4.65E-06	7.50E-08	3.16E-08	1.05E-04	8.81E-05	3.581E-06	7.28E-08	3.266E-08	9.183E-05
939	490836.72, 3860985.12	0.04347	0.04344	0.04216	0.03839	0.05082	8.17E-05	3.811E-06	7.6197E-08	5.678E-08	8.56E-05	1.00E-04	4.67E-06	7.52E-08	3.18E-08	1.05E-04	8.83E-05	3.592E-06	7.303E-08	3.283E-08	9.196E-05
940	490086.72, 3861035.12	0.0418	0.04086	0.0396	0.03664	0.0478	7.86E-05	3.585E-06	7.2724E-08	5.341E-08	8.23E-05	9.63E-05	4.39E-06	7.18E-08	2.99E-08	1.01E-04	8.49E-05	3.379E-06	6.97E-08	3.088E-08	8.835E-05
941	490136.72, 3861035.12	0.04185	0.04098	0.03968	0.03664	0.04785	7.86E-05	3.595E-06	7.2724E-08	5.346E-08	8.24E-05	9.64E-05	4.41E-06	7.18E-08	2.99E-08	1.01E-04	8.50E-05	3.389E-06	6.97E-08	3.091E-08	8.846E-05
942	490186.72, 3861035.12	0.04189	0.04107	0.03976	0.03664	0.04788	7.87E-05	3.603E-06	7.2724E-08	5.35E-08	8.24E-05	9.65E-05	4.42E-06	7.18E-08	2.99E-08	1.01E-04	8.51E-05	3.396E-06	6.97E-08	3.093E-08	8.855E-05
943	490236.72, 3861035.12	0.04195	0.04119	0.03986	0.03666	0.04794	7.88E-05	3.613E-06	7.2763E-08	5.356E-08	8.26E-05	9.66E-05	4.43E-06	7.18E-08	3.00E-08	1.01E-04	8.52E-05	3.406E-06	6.974E-08	3.097E-08	8.868E-05
944	490286.72, 3861035.12	0.04196	0.04125	0.03992	0.03665	0.04795	7.89E-05	3.619E-06	7.2743E-08	5.358E-08	8.26E-05	9.66E-05	4.43E-06	7.18E-08	3.00E-08	1.01E-04	8.52E-05	3.411E-06	6.972E-08	3.097E-08	8.871E-05
945	490336.72, 3861035.12	0.04198	0.04133	0.04	0.03667	0.04799	7.89E-05	3.626E-06	7.2783E-08	5.362E-08	8.26E-05	9.67E-05	4.44E-06	7.18E-08	3.00E-08	1.01E-04	8.52E-05	3.418E-06	6.976E-08	3.1E-08	8.875E-05
946	490386.72, 3861035.12	0.04209	0.04149	0.04016	0.03677	0.0481	7.91E-05	3.64E-06	7.2982E-08	5.374E-08	8.29E-05	9.69E-05	4.46E-06	7.20E-08	3.01E-08	1.01E-04	8.55E-05	3.431E-06	6.995E-08	3.107E-08	8.899E-05
947	490436.72, 3861035.12	0.0422	0.04166	0.04034	0.03688	0.04822	7.93E-05	3.655E-06	7.32E-08	5.388E-08	8.31E-05	9.72E-05	4.48E-06	7.22E-08	3.02E-08	1.02E-04	8.57E-05	3.445E-06	7.016E-08	3.115E-08	8.923E-05
948	490486.72, 3861035.12	0.04225	0.04176	0.04046	0.03695	0.04831	7.94E-05	3.663E-06	7.3339E-08	5.398E-08	8.32E-05	9.73E-05	4.49E-06	7.24E-08	3.02E-08	1.02E-04	8.58E-05	3.453E-06	7.029E-08	3.121E-08	8.934E-05
949	490536.72, 3861035.12	0.04228	0.04184	0.04056	0.03702	0.04841	7.95E-05	3.67E-06	7.3478E-08	5.409E-08	8.33E-05	9.74E-05	4.50E-06	7.25E-08	3.03E-08	1.02E-04	8.58E-05	3.46E-06	7.042E-08	3.127E-08	8.941E-05
950	490586.72, 3861035.12	0.04231	0.04192	0.04065	0.03709	0.04852	7.95E-05	3.678E-06	7.3617E-08	5.421E-08	8.33E-05	9.74E-05	4.51E-06	7.27E-08	3.03E-08	1.02E-04	8.59E-05	3.467E-06	7.055E-08	3.134E-08	8.947E-05
951	490636.72, 3861035.12	0.04233	0.042	0.04075	0.03717	0.04866	7.95E-05	3.685E-06	7.3776E-08	5.437E-08	8.34E-05	9.75E-05	4.52E-06	7.28E-08	3.04E-08	1.02E-04	8.59E-05	3.473E-06	7.071E-08	3.143E-08	8.952E-05
952	490686.72, 3861035.12	0.04235	0.04208	0.04085	0.03725	0.04882	7.96E-05	3.692E-06	7.3934E-08	5.455E-08	8.34E-05	9.75E-05	4.52E-06	7.30E-08	3.05E-08	1.02E-04	8.60E-05	3.48E-06	7.086E-08	3.154E-08	8.957E-05
953	490736.72, 3861035.12	0.04238	0.04217	0.04095	0.03734	0.04901	7.96E-05	3.699E-06	7.4113E-08	5.476E-08	8.35E-05	9.76E-05	4.53E-06	7.31E-08	3.07E-08	1.02E-04	8.60E-05	3.487E-06	7.103E-08	3.166E-08	8.964E-05
954	490786.72, 3861035.12	0.04243	0.04229	0.04108	0.03745	0.04924	7.97E-05	3.71E-06	7.4331E-08	5.502E-08	8.36E-05	9.77E-05	4.55E-06	7.34E-08	3.08E-08	1.02E-04	8.61E-05	3.497E-06	7.124E-08	3.181E-08	8.975E-05
955	490836.72, 3861035.12	0.04249	0.04243	0.04121	0.03757	0.04948	7.98E-05	3.722E-06	7.457E-08	5.528E-08	8.37E-05	9.78E-05	4.56E-06	7.36E-08	3.09E-08	1.03E-04	8.63E-05	3.509E-06	7.147E-08	3.196E-08	8.988E-05
956	490086.72, 3861085.12	0.04087	0.03995	0.03876	0.03597	0.04675	7.68E-05	3.505E-06	7.1394E-08	5.223E-08	8.04E-05	9.41E-05	4.29E-06	7.05E-08	2.92E-08	9.85E-05	8.30E-05	3.304E-06	6.842E-08	3.02E-08	8.638E-05

957	490136.72, 3861085.12	0.04097	0.0401	0.03888	0.03601	0.04683	7.70E-05	3.518E-06	7.1473E-08	5.232E-08	8.06E-05	9.43E-05	4.31E-06	7.05E-08	2.93E-08	9.88E-05	8.32E-05	3.316E-06	6.85E-08	3.025E-08	8.66E-05
958	490186.72, 3861085.12	0.04108	0.04027	0.03902	0.03606	0.04691	7.72E-05	3.533E-06	7.1572E-08	5.241E-08	8.09E-05	9.46E-05	4.33E-06	7.06E-08	2.93E-08	9.90E-05	8.34E-05	3.33E-06	6.86E-08	3.03E-08	8.684E-05
959	490236.72, 3861085.12	0.04107	0.04031	0.03905	0.03601	0.04691	7.72E-05	3.536E-06	7.1473E-08	5.241E-08	8.08E-05	9.46E-05	4.33E-06	7.05E-08	2.93E-08	9.90E-05	8.34E-05	3.334E-06	6.85E-08	3.03E-08	8.682E-05
960	490286.72, 3861085.12	0.04107	0.04037	0.0391	0.03599	0.04692	7.72E-05	3.542E-06	7.1434E-08	5.242E-08	8.08E-05	9.46E-05	4.34E-06	7.05E-08	2.93E-08	9.90E-05	8.34E-05	3.339E-06	6.846E-08	3.031E-08	8.682E-05
961	490336.72, 3861085.12	0.04108	0.04044	0.03915	0.03598	0.04694	7.72E-05	3.548E-06	7.1414E-08	5.245E-08	8.09E-05	9.46E-05	4.35E-06	7.05E-08	2.94E-08	9.90E-05	8.34E-05	3.344E-06	6.844E-08	3.032E-08	8.685E-05
962	490386.72, 3861085.12	0.04117	0.04058	0.03929	0.03606	0.04703	7.74E-05	3.56E-06	7.1572E-08	5.255E-08	8.11E-05	9.48E-05	4.36E-06	7.06E-08	2.94E-08	9.93E-05	8.36E-05	3.356E-06	6.86E-08	3.038E-08	8.705E-05
963	490436.72, 3861085.12	0.04122	0.04068	0.03941	0.03611	0.04709	7.75E-05	3.569E-06	7.1672E-08	5.261E-08	8.12E-05	9.49E-05	4.37E-06	7.07E-08	2.95E-08	9.94E-05	8.37E-05	3.364E-06	6.869E-08	3.042E-08	8.716E-05
964	490486.72, 3861085.12	0.04127	0.04078	0.03952	0.03617	0.04717	7.76E-05	3.577E-06	7.1791E-08	5.27E-08	8.13E-05	9.50E-05	4.38E-06	7.09E-08	2.95E-08	9.95E-05	8.38E-05	3.372E-06	6.88E-08	3.047E-08	8.727E-05
965	490536.72, 3861085.12	0.04136	0.04092	0.03967	0.03627	0.04728	7.77E-05	3.59E-06	7.1989E-08	5.283E-08	8.14E-05	9.52E-05	4.40E-06	7.11E-08	2.96E-08	9.97E-05	8.40E-05	3.384E-06	6.899E-08	3.054E-08	8.746E-05
966	490586.72, 3861085.12	0.04137	0.04098	0.03975	0.03632	0.04736	7.77E-05	3.595E-06	7.2088E-08	5.292E-08	8.15E-05	9.53E-05	4.41E-06	7.11E-08	2.96E-08	9.98E-05	8.40E-05	3.389E-06	6.909E-08	3.059E-08	8.749E-05
967	490636.72, 3861085.12	0.04135	0.04101	0.03981	0.03636	0.04745	7.77E-05	3.598E-06	7.2168E-08	5.302E-08	8.14E-05	9.52E-05	4.41E-06	7.12E-08	2.97E-08	9.97E-05	8.40E-05	3.391E-06	6.917E-08	3.065E-08	8.745E-05
968	490686.72, 3861085.12	0.04138	0.04109	0.0399	0.03643	0.04758	7.78E-05	3.605E-06	7.2307E-08	5.316E-08	8.15E-05	9.53E-05	4.42E-06	7.14E-08	2.98E-08	9.98E-05	8.40E-05	3.398E-06	6.93E-08	3.074E-08	8.752E-05
969	490736.72, 3861085.12	0.04142	0.0412	0.04002	0.03654	0.04776	7.78E-05	3.614E-06	7.2525E-08	5.336E-08	8.16E-05	9.54E-05	4.43E-06	7.16E-08	2.99E-08	9.99E-05	8.41E-05	3.407E-06	6.951E-08	3.085E-08	8.761E-05
970	490786.72, 3861085.12	0.04148	0.04131	0.04015	0.03664	0.04796	7.79E-05	3.624E-06	7.2724E-08	5.359E-08	8.17E-05	9.55E-05	4.44E-06	7.18E-08	3.00E-08	1.00E-04	8.42E-05	3.416E-06	6.97E-08	3.098E-08	8.774E-05
971	490836.72, 3861085.12	0.04153	0.04143	0.04027	0.03675	0.04818	7.80E-05	3.635E-06	7.2942E-08	5.383E-08	8.18E-05	9.56E-05	4.45E-06	7.20E-08	3.01E-08	1.00E-04	8.43E-05	3.426E-06	6.991E-08	3.112E-08	8.785E-05
972	490086.72, 3861135.12	0.03998	0.03906	0.03795	0.03532	0.04574	7.51E-05	3.427E-06	7.0104E-08	5.111E-08	7.87E-05	9.21E-05	4.20E-06	6.92E-08	2.86E-08	9.64E-05	8.12E-05	3.23E-06	6.719E-08	2.955E-08	8.45E-05
973	490136.72, 3861135.12	0.04006	0.03919	0.03805	0.03534	0.04579	7.53E-05	3.438E-06	7.0143E-08	5.116E-08	7.88E-05	9.23E-05	4.21E-06	6.92E-08	2.86E-08	9.66E-05	8.13E-05	3.241E-06	6.723E-08	2.958E-08	8.467E-05
974	490186.72, 3861135.12	0.04015	0.03933	0.03816	0.03537	0.04586	7.55E-05	3.45E-06	7.0203E-08	5.124E-08	7.90E-05	9.25E-05	4.23E-06	6.93E-08	2.87E-08	9.68E-05	8.15E-05	3.253E-06	6.728E-08	2.962E-08	8.487E-05
975	490236.72, 3861135.12	0.04021	0.03945	0.03825	0.03538	0.04591	7.56E-05	3.461E-06	7.0223E-08	5.13E-08	7.91E-05	9.26E-05	4.24E-06	6.93E-08	2.87E-08	9.69E-05	8.16E-05	3.262E-06	6.73E-08	2.966E-08	8.5E-05
976	490286.72, 3861135.12	0.04023	0.03953	0.03832	0.03537	0.04594	7.56E-05	3.468E-06	7.0203E-08	5.133E-08	7.92E-05	9.26E-05	4.25E-06	6.93E-08	2.87E-08	9.70E-05	8.17E-05	3.269E-06	6.728E-08	2.968E-08	8.505E-05
977	490336.72, 3861135.12	0.04024	0.0396	0.03837	0.03535	0.04595	7.56E-05	3.474E-06	7.0163E-08	5.134E-08	7.92E-05	9.27E-05	4.26E-06	6.92E-08	2.87E-08	9.70E-05	8.17E-05	3.275E-06	6.724E-08	2.968E-08	8.507E-05
978	490386.72, 3861135.12	0.04029	0.0397	0.03846	0.03538	0.046	7.57E-05	3.483E-06	7.0223E-08	5.14E-08	7.93E-05	9.28E-05	4.27E-06	6.93E-08	2.88E-08	9.71E-05	8.18E-05	3.283E-06	6.73E-08	2.971E-08	8.518E-05
979	490436.72, 3861135.12	0.04032	0.03978	0.03855	0.0354	0.04604	7.58E-05	3.49E-06	7.0262E-08	5.144E-08	7.94E-05	9.28E-05	4.28E-06	6.93E-08	2.88E-08	9.72E-05	8.19E-05	3.29E-06	6.734E-08	2.974E-08	8.525E-05
980	490486.72, 3861135.12	0.04037	0.03988	0.03866	0.03546	0.04611	7.59E-05	3.499E-06	7.0382E-08	5.152E-08	7.95E-05	9.30E-05	4.29E-06	6.95E-08	2.88E-08	9.74E-05	8.20E-05	3.298E-06	6.745E-08	2.979E-08	8.536E-05
981	490536.72, 3861135.12	0.04042	0.03998	0.03877	0.03552	0.04618	7.60E-05	3.507E-06	7.0501E-08	5.16E-08	7.96E-05	9.31E-05	4.30E-06	6.96E-08	2.89E-08	9.75E-05	8.21E-05	3.306E-06	6.757E-08	2.983E-08	8.547E-05
982	490586.72, 3861135.12	0.04044	0.04005	0.03886	0.03557	0.04625	7.60E-05	3.513E-06	7.06E-08	5.168E-08	7.96E-05	9.31E-05	4.31E-06	6.97E-08	2.89E-08	9.75E-05	8.21E-05	3.312E-06	6.766E-08	2.988E-08	8.552E-05
983	490636.72, 3861135.12	0.04044	0.04009	0.03892	0.0356	0.04631	7.60E-05	3.517E-06	7.0659E-08	5.174E-08	7.96E-05	9.31E-05	4.31E-06	6.97E-08	2.90E-08	9.75E-05	8.21E-05	3.315E-06	6.772E-08	2.991E-08	8.552E-05
984	490686.72, 3861135.12	0.04047	0.04018	0.03902	0.03568	0.04643	7.61E-05	3.525E-06	7.0818E-08	5.188E-08	7.97E-05	9.32E-05	4.32E-06	6.99E-08	2.90E-08	9.76E-05	8.22E-05	3.323E-06	6.787E-08	2.999E-08	8.559E-05
985	490736.72, 3861135.12	0.04053	0.04028	0.03915	0.03578	0.04659	7.62E-05	3.534E-06	7.1017E-08	5.206E-08	7.98E-05	9.33E-05	4.33E-06	7.01E-08	2.91E-08	9.78E-05	8.23E-05	3.331E-06	6.806E-08	3.01E-08	8.572E-05
986	490786.72, 3861135.12	0.04058	0.04039	0.03927	0.03588	0.04676	7.63E-05	3.543E-06	7.1215E-08	5.225E-08	7.99E-05	9.34E-05	4.34E-06	7.03E-08	2.92E-08	9.79E-05	8.24E-05	3.34E-06	6.825E-08	3.021E-08	8.583E-05
987	490836.72, 3861135.12	0.04061	0.04049	0.03938	0.03598	0.04695	7.63E-05	3.552E-06	7.1414E-08	5.246E-08	8.00E-05	9.35E-05	4.35E-06	7.05E-08	2.94E-08	9.80E-05	8.25E-05	3.348E-06	6.844E-08	3.033E-08	8.59E-05
988	490086.72, 3861185.12	0.03912	0.03821	0.03717	0.03469	0.04476	7.35E-05	3.352E-06	6.8853E-08	5.001E-08	7.70E-05	9.01E-05	4.11E-06	6.80E-08	2.80E-08	9.43E-05	7.94E-05	3.16E-06	6.599E-08	2.891E-08	8.268E-05
989	490136.72, 3861185.12	0.03913	0.03826	0.0372	0.03466	0.04477	7.35E-05	3.356E-06	6.8794E-08	5.002E-08	7.70E-05	9.01E-05	4.11E-06	6.79E-08	2.80E-08	9.43E-05	7.94E-05	3.164E-06	6.593E-08	2.892E-08	8.271E-05
990	490186.72, 3861185.12	0.0392	0.03838	0.03729	0.03467	0.04482	7.37E-05	3.367E-06	6.8814E-08	5.008E-08	7.72E-05	9.03E-05	4.13E-06	6.79E-08	2.80E-08	9.45E-05	7.96E-05	3.174E-06	6.595E-08	2.895E-08	8.286E-05
991	490236.72, 3861185.12	0.03927	0.0385	0.03738	0.03469	0.04487	7.38E-05	3.377E-06	6.8853E-08	5.013E-08	7.73E-05	9.04E-05	4.14E-06	6.80E-08	2.81E-08	9.47E-05	7.97E-05	3.184E-06	6.599E-08	2.898E-08	8.301E-05
992	490286.72, 3861185.12	0.03937	0.03866	0.03751	0.03473	0.04495	7.40E-05	3.392E-06	6.8933E-08	5.022E-08	7.75E-05	9.07E-05	4.16E-06	6.80E-08	2.81E-08	9.49E-05	7.99E-05	3.197E-06	6.607E-08	2.904E-08	8.323E-05
993	490336.72, 3861185.12	0.03931	0.03866	0.0375	0.03466	0.04492	7.39E-05	3.392E-06	6.8794E-08	5.019E-08	7.74E-05	9.05E-05	4.16E-06	6.79E-08	2.81E-08	9.48E-05	7.98E-05	3.197E-06	6.593E-08	2.902E-08	8.311E-05
994	490386.72, 3861185.12	0.03936	0.03877	0.03759	0.03467	0.04497	7.40E-05	3.401E-06	6.8814E-08	5.025E-08	7.75E-05	9.06E-05	4.17E-06	6.79E-08	2.81E-08	9.49E-05	7.99E-05	3.206E-06	6.595E-08	2.905E-08	8.322E-05
995	490436.72, 3861185.12	0.03945	0.03891	0.03772	0.03473	0.04504	7.41E-05	3.413E-06	6.8933E-08	5.032E-08	7.77E-05	9.08E-05	4.18E-06	6.80E-08	2.82E-08	9.51E-05	8.01E-05	3.218E-06	6.607E-08	2.909E-08	8.341E-05
996	490486.72, 3861185.12	0.03948	0.03899	0.03781	0.03476	0.04508	7.42E-05	3.42E-06	6.8992E-08	5.037E-08	7.77E-05	9.09E-05	4.19E-06	6.81E-08	2.82E-08	9.52E-05	8.02E-05	3.224E-06	6.612E-08	2.912E-08	8.348E-05
997	490536.72, 3861185.12	0.0396	0.03916	0.03798	0.03486	0.04519	7.44E-05	3.435E-06	6.9191E-08	5.049E-08	7.80E-05	9.12E-05	4.21E-06	6.83E-08	2.83E-08	9.55E-05	8.04E-05	3.238E-06	6.631E-08	2.919E-08	8.374E-05
998	490586.72, 3861185.12	0.0396	0.0392	0.03804	0.03488	0.04522	7.44E-05	3.439E-06	6.923E-08	5.052E-08	7.80E-05	9.12E-05	4.21E-06	6.83E-08	2.83E-08	9.55E-05	8.04E-05	3.242E-06	6.635E-08	2.921E-08	8.374E-05
999	490636.72, 3861185.12	0.03955	0.0392	0.03806	0.03487	0.04524	7.43E-05	3.439E-06	6.9211E-08	5.055E-08	7.79E-05	9.11E-05	4.21E-06	6.83E-08	2.83E-08	9.54E-05	8.03E-05	3.242E-06	6.633E-08	2.922E-08	8.364E-05
1000	490686.72, 3861185.12	0.03957	0.03927	0.03815	0.03494	0.04533	7.44E-05	3.445E-06	6.9349E-08	5.065E-08	7.79E-05	9.11E-05	4.22E-06	6.84E-08	2.84E-08	9.54E-05	8.03E-05	3.248E-06	6.646E-08	2.928E-08	8.369E-05
1001	490736.72, 3861185.12	0.03966	0.0394	0.0383	0.03505	0.04548	7.45E-05	3.456E-06	6.9568E-08	5.082E-08	7.81E-05	9.13E-05	4.24E-06	6.87E-08	2.84E-08	9.57E-05	8.05E-05	3.258E-06	6.667E-08	2.938E-08	8.388E-05
1002	490786.72, 3861185.12	0.03972	0.03952	0.03843	0.03516	0.04564	7.46E-05	3.467E-06	6.9786E-08	5.099E-08	7.82E-05	9.15E-05	4.25E-06	6.89E-08	2.85E-08	9.58E-05	8.06E-05	3.268E-06	6.688E-08	2.948E-08	8.401E-05
1003	490836.72, 3861185.12	0.03976	0.03962	0.03854	0.03525	0.04581	7.47E-05	3.476E-06	6.9965E-08	5.118E-08	7.83E-05	9.16E-05	4.26E-06	6.91E-08	2.87E-08	9.59E-05	8.07E-05	3.277E-06	6.705E-08	2.959E-08	8.41E-05
1004	490086.72, 3861235.12	0.03827	0.03738	0.0364	0.03407	0.0438	7.19E-05	3.279E-06	6.7623E-08	4.894E-08	7.53E-05	8.81E-05	4.02E-06	6.67E-08	2.74E-08	9.22E-05	7.77E-05	3.091E-06	6.481E-08	2.829E-08	8.089E-05
1005	490136.72, 3861235.12	0.0383	0.03744	0.03645	0.03405	0.04382	7.20E-05	3.284E-06	6.7583E-08	4.896E-08	7.54E-05	8.82E-05	4.02E-06	6.67E-08	2.74E-08	9.23E-05	7.78E-05	3.096E-06	6.477E-08	2.831E-08	8.095E-05
1006	490186.72, 3861235.12	0.03837	0.03755	0.03653	0.03406	0.04387	7.21E-05	3.294E-06	6.7603E-08	4.902E-08	7.55E-05	8.84E-05	4.04E-06	6.67E-08	2.74E-08	9.25E-05	7.79E-05	3.105E-06	6.479E-08	2.834E-08	8.11E-05
1007	490236.72, 3861235.12	0.03839	0.03761	0.03657	0.03403	0.04388	7.21E-05	3.299E-06	6.7543E-08	4.903E-08	7.56E-05	8.84E-05	4.04E-06	6.67E-08	2.74E-08	9.25E-05	7.79E-05	3.11E-06	6.473E-08	2.835E-08	8.115E-05
1008	490386.72, 3861235.12	0.03848	0.03788	0.03676	0.034	0.04397	7.23E-05	3.323E-06	6.7484E-08	4.913E-08	7.58E-05	8.86E-05	4.07E-06	6.66E-08	2.75E-08	9.28E-05	7.81E-05	3.133E-06	6.468E-08	2.84E-08	8.135E-05
1009	490436.72, 3861235.12	0.0385	0.03795	0.03683	0.034	0.044	7.23E-05	3.329E-06	6.7484E-08	4.916E-08	7.58E-05	8.87E-05	4.08E-06	6.66E-08	2.75E-08	9.28E-05	7.82E-05	3.138E-06	6.468E-08	2.842E-08	8.14E-05
1010	490486.72, 3861235.12	0.03854	0.03804	0.03691	0.03402	0.04404	7.24E-05	3.337E-06	6.7523E-08	4.921E-08	7.59E-05	8.88E-05	4.09E-06	6.66E-08	2.75E-08	9.29E-05	7.83E-05	3.146E-06	6.471E-08	2.845E-08	8.149E-05
1011	490536.72, 3861235.12	0.03871	0.03827	0.03713	0.03416	0.04418	7.27E-05	3.357E-06	6.7801E-08	4.936E-08	7.62E-05	8.91E-05	4.11E-06	6.69E-08	2.76E-08	9.34E-05	7.86E-05	3.165E-06	6.498E-08	2.854E-08	8.185E-05
1012	490586.72, 3861235.12	0.03882	0.03842	0.03729	0.03426	0.04428	7.30E-05	3.37E-06	6.8E-08	4.947E-08	7.64E-05	8.94E-05	4.13E-06	6.71E-08	2.77E-08	9.36E-05	7.88E-05	3.177E-06	6.517E-08	2.86E-08	8.209E-05
1013	490636.72, 3861235.12	0.03869	0.03834	0.03723	0.03418	0.04422	7.27E-05	3.363E-06	6.7841E-08	4.941E-08	7.62E-05	8.91E-05	4.12E-06	6.70E-08	2.77E-08	9.33E-05	7.86E-05	3.171E-06	6.502E-08	2.856E-08	8.182E-05
1014	490686.72, 3861235.12	0.03873	0.03842	0.03732	0.03424	0.04429	7.28E-05	3.37E-06	6.796E-08	4.949E-08	7.63E-05	8.92E-05	4.13E-06	6.71E-08	2.77E-08	9.34E-05	7.86E-05	3.177E-06	6.513E-08	2.861E-08	8.191E-05
1015	490736.72, 3861235.12	0.03881	0.03854	0.03747	0.03434	0.04442	7.29E-05	3.381E-06	6.8159E-08	4.963E-08	7.64E-05	8.94E-05	4.14E-06	6.73E-08	2.78E-08	9.36E-05	7.88E-05	3.187E-06	6.532E-08	2.869E-08	8.208E-05
1016	490786.72, 3861235.12	0.03889	0.03868	0.03762	0.03446	0.04457	7.31E-05	3.393E-06	6.8397E-08	4.98E-08	7.66E-05	8.96E-05	4.16E-06	6.75E-08	2.79E-08	9.38E-05	7.90E-05	3.199E-06	6.555E-08	2.879E-08	8.225E-05
1017	490836.72, 3861235.12	0.03894	0.03877	0.03773	0.03455	0.04471	7.32E-05	3.401E-06	6.8575E-08	4.996E-08	7.67E-05	8.97E-05	4.17E-06	6.77E-08	2.80E-08	9.39E-05	7.91E-05	3.206E-06	6.572E-08	2.888E-08	8.236E-05
1018	490086.72, 3861285.12	0.03752	0.03665	0.03573	0.03351	0.04292	7.05E-05	3.215E-06	6.6511E-08	4.796E-08	7.38E-05	8.64E-05	3.94E-06	6.56E-08	2.68E-08	9.04E-05	7.62E-05	3.031E-06	6.374E-08	2.772E-08	7.93E-05
1019	490136.72, 3861285.12	0.03762	0.03677	0.03583	0.03356	0.04299	7.07E-05	3.226E-06	6.661E-08	4.803E-08	7.40E-05	8.66E-05	3.95E-06	6.57E-08	2.69E-08	9.07E-05	7.64E-05	3.041E-06	6.384E-08	2.777E-08	7.952E-05
1020	490186.72, 3861285.12	0.0376	0.03678	0.03583	0.0335	0.04298	7.07E-05	3.227E-06	6.6491E-08	4.802E-08	7.40E-05	8.66E-05	3.95E-06	6.56E-08	2.69E-08	9.06E-05	7.63E-05	3.042E-06	6.373E-08	2.776E-08	7.948E-05
1021	490236.72, 3861285.12	0.03762	0.03684	0.03586	0.03347	0.04299	7.07E-05	3.232E-06	6.6432E-08	4.803E-08	7.40E-05	8.66E-05	3.96E-06	6.56E-08	2.69E-08	9.07E-05	7.64E-05	3.047E-06	6.367E-08	2.777E-08	7.952E-05
1022	490386.72, 3861285.12	0.03769	0.03708	0.03602	0.03341	0.04306	7.08E-05	3.253E-06	6.6313E-08	4.811E-08	7.42E-05	8.68E-05	3.99E-06	6.54E-08	2.69E-08	9.09E-05	7.65E-05	3.066E-06	6.355E-08	2.782E-08	7.968E-05
1023	490436.72, 3861285.12	0.03775	0.03719	0.03612	0.03343	0.04311	7.09E-05	3.263E-06	6.6352E-08	4.817E-08	7.43E-05	8.69E-05	4.00E-06	6.55E-08	2.70E-08	9.10E-05	7.66E-05	3.076E-06	6.359E-08	2.785E-08	7.981E-05
1024	490486.72, 3861285.12	0.03775	0.03725	0.03617	0.03342	0.04312	7.09E-05	3.268E-06	6.6333E-08	4.818E-08	7.43E-05	8.69E-05	4.00E-06	6.55E-08	2.70E-08	9.10E-05	7.66E-05	3.081E-06	6.357E-08	2.785E-08	7.982E-05
1025	490536.72, 3861285.12	0.0378	0.03735	0.03626	0.03345	0.04317	7.10E-05	3.277E-06	6.6392E-08	4.823E-08	7.44E-05	8.70E-05	4.02E-06	6.55E-08	2.70E-08	9.12E-05	7.67E-05	3.089E-06	6.363E-08	2.789E-08	7.993E-05
1026	490586.72, 3861285.12	0.03787	0.03747	0.03638	0.03351	0.04324	7.12E-05	3.287E-06	6.6511E-08	4.831E-08	7.46E-05	8.72E-05	4.03E-06	6.56E-08	2.70E-08	9.13E-05	7.69E-05	3.099E-06	6.374E-08	2.793E-08	8.008E-05
1027	490636.72, 3861285.12	0.03784	0.03748	0.0364	0.03349	0.04323	7.11E-05	3.288E-06	6.6471E-08	4.83E-08	7.45E-05	8.71E-05	4.03E-06	6.56E-08	2.70E-08	9.13E-05	7.68E-05	3.1E-06	6.371E-08	2.793E-08	8.002E-05
1028	490686.72, 3861285.12	0.03788	0.03756	0.0365	0.03354	0.04329	7.12E-05	3.295E-06	6.6571E-08	4.837E-08	7.46E-05	8.72E-05	4.04E-06	6.57E-08	2.71E-08	9.14E-05	7.69E-05	3.106E-06	6.38E-08	2.796E-08	8.011E-05
1029	490736.72, 3861285.12	0.03801	0.03774	0.03669	0.03368	0.04344	7.14E-05	3.311E-06	6.6849E-08	4.854E-08	7.49E-05	8.75E-05	4.06E-06	6.60E-08	2.72E-08	9.17E-05	7.72E-05	3.121E-06	6.407E-08	2.806E-08	8.039E-05
1030	490786.72, 3861285.12	0.03805	0.03783	0.03679	0.03375	0.04353	7.15E-05	3.319E-06	6.6988E-08	4.864E-08	7.49E-05	8.76E-05	4.07E-06	6.61E-08	2.72E-08	9.18E-05	7.73E-05	3.128E-06	6.42E-08	2.812E-08	8.048E-05
1031	490836.72, 3861285.12	0.03806	0.03788	0.03687	0.03381	0.04363	7.15E-05	3.323E-06	6.7107E-08	4.875E-08	7.50E-05	8.76E-05	4.07E-06	6.62E-08	2.73E-08	9.18E-05	7.73E-05	3.133E-06	6.432E-08	2.818E-08	8.05E-05
1032	490061.24, 3859716.13	0.08607	0.0805	0.07549	0.06551	0.09711	1.62E-04	7.062E-06	1.3003E-07	1.085E-07	1.69E-04	1.98E-04	8.65E-06	1.28E-07	6.07E-08	2.07E-04	1.75E-04	6.657E-06	1.246E-07	6.273E-08	0.0001816
1033	490111.24, 3859716.13	0.08571	0.07996	0.07501	0.06502	0.09624	1.61E-04	7.015E-06	1.2905E-07	1.075E-07	1.68E-04	1.97E-04	8.60E-06	1.27E-07	6.02E-08	2.06E-04	1.74E-04	6.613E-06	1.237E-07	6.217E-08	0.0001808
1034	490161.24, 3859716.13	0.08539	0.07938	0.07448	0.06449	0.09539	1.60E-04	6.964E-06	1.28E-07	1.066E-07	1.68E-04	1.97E-04	8.53E-06	1.26E-07	5.97E-08	2.05E-04	1.73E-04	6.565E-06	1.227E-07	6.162E-08	0.0001801
1035	490211.24, 3859716.13	0.08509	0.07875	0.07393	0.06392	0.09458	1.60E-04	6.908E-06	1.2687E-07	1.057E-07	1.67E-04	1.96E-04	8.47E-06	1.25E-07	5.92E-08	2.05E-04	1.73E-04	6.513E-06	1.216E-07	6.11E-08	0.0001795
1036	490061.24, 3859766.13	0.0833	0.07875	0.07396	0.06442	0.09495	1.57E-04	6.908E-06	1.2786E-07	1.061E-07	1.64E-04	1.92E-04	8.47E-06	1.26E-07	5.94E-08	2.00E-04	1.69E-04	6.513E-06	1.225E-07	6.133E-08	0.0001758

1037 490111.24, 3859766.13	0.08279	0.07817	0.07343	0.06392	0.0941	1.56E-04	6.858E-06	1.2687E-07	1.051E-07	1.63E-04	1.91E-04	8.40E-06	1.25E-07	5.89E-08	1.99E-04	1.68E-04	6.465E-06	1.216E-07	6.079E-08	0.0001747
1038 490161.24, 3859766.13	0.08232	0.07755	0.07287	0.06338	0.09324	1.55E-04	6.803E-06	1.258E-07	1.042E-07	1.62E-04	1.90E-04	8.34E-06	1.24E-07	5.83E-08	1.98E-04	1.67E-04	6.413E-06	1.206E-07	6.023E-08	0.0001737
1039 490211.24, 3859766.13	0.08198	0.07699	0.07237	0.06287	0.09241	1.54E-04	6.754E-06	1.2479E-07	1.033E-07	1.61E-04	1.89E-04	8.28E-06	1.23E-07	5.78E-08	1.97E-04	1.66E-04	6.367E-06	1.196E-07	5.969E-08	0.000173
1040 490061.24, 3859816.13	0.0808	0.07696	0.0724	0.06327	0.0928	1.52E-04	6.751E-06	1.2558E-07	1.037E-07	1.59E-04	1.86E-04	8.27E-06	1.24E-07	5.80E-08	1.95E-04	1.64E-04	6.364E-06	1.204E-07	5.995E-08	0.0001706
1041 490111.24, 3859816.13	0.08021	0.0764	0.07188	0.0628	0.09203	1.51E-04	6.702E-06	1.2465E-07	1.028E-07	1.58E-04	1.85E-04	8.21E-06	1.23E-07	5.76E-08	1.93E-04	1.63E-04	6.318E-06	1.195E-07	5.945E-08	0.0001694
1042 490161.24, 3859816.13	0.07969	0.07585	0.07138	0.06232	0.09122	1.50E-04	6.654E-06	1.2369E-07	1.019E-07	1.57E-04	1.84E-04	8.15E-06	1.22E-07	5.71E-08	1.92E-04	1.62E-04	6.273E-06	1.185E-07	5.893E-08	0.0001683
1043 490211.24, 3859816.13	0.07924	0.07529	0.07086	0.06182	0.0904	1.49E-04	6.605E-06	1.227E-07	1.01E-07	1.56E-04	1.82E-04	8.09E-06	1.21E-07	5.65E-08	1.91E-04	1.61E-04	6.226E-06	1.176E-07	5.84E-08	0.0001673
1044 490061.24, 3859866.13	0.0785	0.07515	0.07082	0.06207	0.09064	1.48E-04	6.593E-06	1.232E-07	1.013E-07	1.54E-04	1.81E-04	8.08E-06	1.22E-07	5.67E-08	1.89E-04	1.59E-04	6.215E-06	1.181E-07	5.855E-08	0.0001658
1045 490111.24, 3859866.13	0.07793	0.0747	0.0704	0.06169	0.09	1.46E-04	6.553E-06	1.2244E-07	1.006E-07	1.53E-04	1.79E-04	8.03E-06	1.21E-07	5.63E-08	1.88E-04	1.58E-04	6.178E-06	1.173E-07	5.814E-08	0.0001646
1046 490161.24, 3859866.13	0.0774	0.07423	0.06996	0.06129	0.08928	1.45E-04	6.512E-06	1.2165E-07	9.975E-08	1.52E-04	1.78E-04	7.98E-06	1.20E-07	5.58E-08	1.86E-04	1.57E-04	6.139E-06	1.166E-07	5.767E-08	0.0001635
1047 490211.24, 3859866.13	0.07691	0.07373	0.06949	0.06085	0.08851	1.45E-04	6.468E-06	1.2078E-07	9.889E-08	1.51E-04	1.77E-04	7.93E-06	1.19E-07	5.54E-08	1.85E-04	1.56E-04	6.097E-06	1.158E-07	5.717E-08	0.0001624
1048 490061.24, 3859916.13	0.07631	0.07332	0.06922	0.06083	0.08843	1.43E-04	6.432E-06	1.2074E-07	9.88E-08	1.50E-04	1.76E-04	7.88E-06	1.19E-07	5.53E-08	1.84E-04	1.55E-04	6.063E-06	1.157E-07	5.712E-08	0.0001612
1049 490111.24, 3859916.13	0.07582	0.073	0.06891	0.06055	0.08795	1.42E-04	6.404E-06	1.2018E-07	9.827E-08	1.49E-04	1.75E-04	7.85E-06	1.19E-07	5.50E-08	1.83E-04	1.54E-04	6.037E-06	1.152E-07	5.681E-08	0.0001602
1050 490161.24, 3859916.13	0.07528	0.07259	0.06852	0.06021	0.08735	1.41E-04	6.368E-06	1.1951E-07	9.76E-08	1.48E-04	1.73E-04	7.80E-06	1.18E-07	5.46E-08	1.81E-04	1.53E-04	6.003E-06	1.145E-07	5.643E-08	0.000159
1051 490211.24, 3859916.13	0.07475	0.07212	0.06807	0.0598	0.08666	1.40E-04	6.327E-06	1.1869E-07	9.683E-08	1.47E-04	1.72E-04	7.75E-06	1.17E-07	5.42E-08	1.80E-04	1.52E-04	5.964E-06	1.138E-07	5.598E-08	0.0001579
1052 490229.25, 3859815.26	0.07918	0.07517	0.07075	0.0617	0.09015	1.49E-04	6.594E-06	1.2246E-07	1.007E-07	1.56E-04	1.82E-04	8.08E-06	1.21E-07	5.64E-08	1.91E-04	1.61E-04	6.216E-06	1.174E-07	5.823E-08	0.0001672
1053 490279.25, 3859815.26	0.07881	0.07459	0.07023	0.06117	0.08934	1.48E-04	6.544E-06	1.2141E-07	9.982E-08	1.55E-04	1.81E-04	8.02E-06	1.20E-07	5.59E-08	1.90E-04	1.60E-04	6.168E-06	1.164E-07	5.771E-08	0.0001664
1054 490329.25, 3859815.26	0.07849	0.07403	0.06973	0.06065	0.08859	1.47E-04	6.494E-06	1.2038E-07	9.898E-08	1.54E-04	1.81E-04	7.96E-06	1.19E-07	5.54E-08	1.89E-04	1.59E-04	6.122E-06	1.154E-07	5.723E-08	0.0001657
1055 490379.25, 3859815.26	0.07838	0.07366	0.0694	0.06026	0.08794	1.47E-04	6.462E-06	1.196E-07	9.826E-08	1.54E-04	1.80E-04	7.92E-06	1.18E-07	5.50E-08	1.89E-04	1.59E-04	6.092E-06	1.146E-07	5.681E-08	0.0001654
1056 490429.25, 3859815.26	0.07841	0.07345	0.06922	0.05997	0.08741	1.47E-04	6.444E-06	1.1903E-07	9.766E-08	1.54E-04	1.81E-04	7.90E-06	1.17E-07	5.47E-08	1.89E-04	1.59E-04	6.074E-06	1.141E-07	5.646E-08	0.0001654
1057 490229.25, 3859865.26	0.07678	0.07357	0.06935	0.0607	0.08826	1.44E-04	6.454E-06	1.2048E-07	9.861E-08	1.51E-04	1.77E-04	7.91E-06	1.19E-07	5.52E-08	1.85E-04	1.56E-04	6.084E-06	1.155E-07	5.701E-08	0.0001621
1058 490279.25, 3859865.26	0.07633	0.07302	0.06884	0.06021	0.08746	1.43E-04	6.406E-06	1.1951E-07	9.772E-08	1.50E-04	1.76E-04	7.85E-06	1.18E-07	5.47E-08	1.84E-04	1.55E-04	6.039E-06	1.145E-07	5.65E-08	0.0001612
1059 490329.25, 3859865.26	0.07594	0.07246	0.06834	0.0597	0.08668	1.43E-04	6.357E-06	1.1849E-07	9.685E-08	1.49E-04	1.75E-04	7.79E-06	1.17E-07	5.42E-08	1.83E-04	1.54E-04	5.992E-06	1.136E-07	5.599E-08	0.0001603
1060 490379.25, 3859865.26	0.07568	0.072	0.06792	0.05926	0.08596	1.42E-04	6.316E-06	1.1762E-07	9.604E-08	1.49E-04	1.74E-04	7.74E-06	1.16E-07	5.38E-08	1.82E-04	1.54E-04	5.954E-06	1.127E-07	5.553E-08	0.0001598
1061 490429.25, 3859865.26	0.07551	0.07161	0.06757	0.05885	0.08531	1.42E-04	6.282E-06	1.1681E-07	9.532E-08	1.48E-04	1.74E-04	7.70E-06	1.15E-07	5.34E-08	1.82E-04	1.53E-04	5.922E-06	1.119E-07	5.511E-08	0.0001594
1062 490229.25, 3859915.26	0.07462	0.07199	0.06795	0.05968	0.08644	1.40E-04	6.315E-06	1.1845E-07	9.658E-08	1.47E-04	1.72E-04	7.74E-06	1.17E-07	5.41E-08	1.80E-04	1.52E-04	5.953E-06	1.135E-07	5.584E-08	0.0001576
1063 490279.25, 3859915.26	0.07409	0.07144	0.06744	0.0592	0.08567	1.39E-04	6.267E-06	1.175E-07	9.572E-08	1.46E-04	1.71E-04	7.68E-06	1.16E-07	5.36E-08	1.78E-04	1.50E-04	5.908E-06	1.126E-07	5.534E-08	0.0001565
1064 490329.25, 3859915.26	0.07366	0.07093	0.06698	0.05874	0.0849	1.38E-04	6.222E-06	1.1659E-07	9.486E-08	1.45E-04	1.70E-04	7.63E-06	1.15E-07	5.31E-08	1.77E-04	1.50E-04	5.866E-06	1.117E-07	5.484E-08	0.0001556
1065 490379.25, 3859915.26	0.07331	0.07045	0.06654	0.0583	0.08415	1.38E-04	6.18E-06	1.1571E-07	9.402E-08	1.44E-04	1.69E-04	7.57E-06	1.14E-07	5.26E-08	1.77E-04	1.49E-04	5.826E-06	1.109E-07	5.436E-08	0.0001548
1066 490429.25, 3859915.26	0.073	0.06997	0.06611	0.05785	0.08344	1.37E-04	6.138E-06	1.1482E-07	9.323E-08	1.44E-04	1.68E-04	7.52E-06	1.13E-07	5.22E-08	1.76E-04	1.48E-04	5.786E-06	1.1E-07	5.39E-08	0.0001542
1067 490451.43, 3859872.59	0.07504	0.07117	0.06718	0.05851	0.08475	1.41E-04	6.244E-06	1.1613E-07	9.469E-08	1.47E-04	1.73E-04	7.65E-06	1.15E-07	5.30E-08	1.81E-04	1.52E-04	5.886E-06	1.113E-07	5.475E-08	0.0001584
1068 490501.43, 3859872.59	0.07503	0.07094	0.06698	0.05822	0.08424	1.41E-04	6.223E-06	1.1556E-07	9.412E-08	1.47E-04	1.73E-04	7.63E-06	1.14E-07	5.27E-08	1.81E-04	1.52E-04	5.867E-06	1.107E-07	5.442E-08	0.0001584
1069 490551.43, 3859872.59	0.0752	0.07092	0.06697	0.05807	0.08384	1.41E-04	6.222E-06	1.1526E-07	9.368E-08	1.48E-04	1.73E-04	7.62E-06	1.14E-07	5.24E-08	1.81E-04	1.53E-04	5.865E-06	1.105E-07	5.416E-08	0.0001587
1070 490601.43, 3859872.59	0.07536	0.07092	0.06698	0.05792	0.08351	1.42E-04	6.222E-06	1.1496E-07	9.331E-08	1.48E-04	1.74E-04	7.62E-06	1.13E-07	5.22E-08	1.81E-04	1.53E-04	5.865E-06	1.102E-07	5.394E-08	0.000159
1071 490451.43, 3859922.59	0.07255	0.06955	0.06574	0.05752	0.08288	1.36E-04	6.101E-06	1.1417E-07	9.26E-08	1.43E-04	1.67E-04	7.48E-06	1.13E-07	5.18E-08	1.75E-04	1.47E-04	5.752E-06	1.094E-07	5.354E-08	0.0001532
1072 490501.43, 3859922.59	0.07239	0.0692	0.06542	0.05715	0.08227	1.36E-04	6.071E-06	1.1343E-07	9.192E-08	1.42E-04	1.67E-04	7.44E-06	1.12E-07	5.15E-08	1.74E-04	1.47E-04	5.723E-06	1.087E-07	5.314E-08	0.0001529
1073 490551.43, 3859922.59	0.07243	0.06905	0.0653	0.05692	0.08179	1.36E-04	6.058E-06	1.1298E-07	9.139E-08	1.42E-04	1.67E-04	7.42E-06	1.12E-07	5.12E-08	1.74E-04	1.47E-04	5.71E-06	1.083E-07	5.283E-08	0.0001529
1074 490601.43, 3859922.59	0.07256	0.06901	0.06527	0.05676	0.08138	1.36E-04	6.054E-06	1.1266E-07	9.093E-08	1.43E-04	1.67E-04	7.42E-06	1.11E-07	5.09E-08	1.75E-04	1.47E-04	5.707E-06	1.08E-07	5.257E-08	0.0001532
1075 482129.67, 3852241.07	0.04257	0.03707	0.03457	0.03922	0.03077	8.00E-05	3.252E-06	7.7844E-08	3.438E-08	8.34E-05	9.80E-05	3.99E-06	7.68E-08	1.92E-08	1.02E-04	8.64E-05	3.066E-06	7.461E-08	1.988E-08	8.959E-05
1076 482029.67, 3852291.07	0.04326	0.03829	0.03504	0.03942	0.03115	8.13E-05	3.359E-06	7.8241E-08	3.48E-08	8.48E-05	9.96E-05	4.12E-06	7.72E-08	1.95E-08	1.04E-04	8.78E-05	3.167E-06	7.499E-08	2.012E-08	9.11E-05
1077 482079.67, 3852291.07	0.04348	0.03817	0.0352	0.03973	0.03144	8.17E-05	3.349E-06	7.8857E-08	3.513E-08	8.52E-05	1.00E-04	4.10E-06	7.78E-08	1.97E-08	1.04E-04	8.83E-05	3.157E-06	7.558E-08	2.031E-08	9.153E-05
1078 482129.67, 3852291.07	0.0436	0.03806	0.03529	0.03995	0.0315	8.19E-05	3.339E-06	7.9293E-08	3.52E-08	8.54E-05	1.00E-04	4.09E-06	7.83E-08	1.97E-08	1.05E-04	8.85E-05	3.148E-06	7.599E-08	2.035E-08	9.177E-05
1079 482179.67, 3852291.07	0.04362	0.03799	0.03535	0.04011	0.03126	8.20E-05	3.333E-06	7.9611E-08	3.493E-08	8.54E-05	1.00E-04	4.08E-06	7.86E-08	1.96E-08	1.05E-04	8.86E-05	3.142E-06	7.63E-08	2.019E-08	9.18E-05
1080 482229.67, 3852291.07	0.04348	0.03797	0.03537	0.0402	0.03067	8.17E-05	3.331E-06	7.979E-08	3.427E-08	8.52E-05	1.00E-04	4.08E-06	7.87E-08	1.92E-08	1.04E-04	8.83E-05	3.14E-06	7.647E-08	1.981E-08	9.152E-05
1081 482029.67, 3852341.07	0.04399	0.03915	0.03546	0.03976	0.03137	8.27E-05	3.435E-06	7.8916E-08	3.505E-08	8.62E-05	1.01E-04	4.21E-06	7.79E-08	1.96E-08	1.06E-04	8.93E-05	3.238E-06	7.563E-08	2.026E-08	9.265E-05
1082 482079.67, 3852341.07	0.04433	0.03913	0.03575	0.04023	0.03183	8.33E-05	3.433E-06	7.9849E-08	3.556E-08	8.69E-05	1.02E-04	4.21E-06	7.88E-08	1.99E-08	1.06E-04	9.00E-05	3.236E-06	7.653E-08	2.056E-08	9.334E-05
1083 482129.67, 3852341.07	0.04454	0.03902	0.03592	0.04056	0.03211	8.37E-05	3.423E-06	8.0504E-08	3.588E-08	8.72E-05	1.03E-04	4.19E-06	7.95E-08	2.01E-08	1.07E-04	9.04E-05	3.227E-06	7.716E-08	2.074E-08	9.376E-05
1084 482179.67, 3852341.07	0.0447	0.03895	0.03604	0.04081	0.03212	8.40E-05	3.417E-06	8.1E-08	3.589E-08	8.75E-05	1.03E-04	4.19E-06	7.99E-08	2.01E-08	1.07E-04	9.08E-05	3.221E-06	7.763E-08	2.075E-08	9.408E-05
1085 482259.06, 3852400.14	0.04573	0.03958	0.03666	0.04163	0.03323	8.59E-05	3.472E-06	8.2628E-08	3.713E-08	8.95E-05	1.05E-04	4.25E-06	8.15E-08	2.08E-08	1.10E-04	9.28E-05	3.273E-06	7.919E-08	2.147E-08	9.622E-05
1086 482309.06, 3852400.14	0.04596	0.03982	0.03692	0.04197	0.03264	8.64E-05	3.493E-06	8.3303E-08	3.647E-08	9.00E-05	1.06E-04	4.28E-06	8.22E-08	2.04E-08	1.10E-04	9.33E-05	3.293E-06	7.984E-08	2.108E-08	9.671E-05
1087 482209.06, 3852450.14	0.04663	0.04073	0.03723	0.04204	0.03367	8.76E-05	3.573E-06	8.3442E-08	3.762E-08	9.13E-05	1.07E-04	4.38E-06	8.24E-08	2.11E-08	1.12E-04	9.47E-05	3.368E-06	7.997E-08	2.175E-08	9.815E-05
1088 482259.06, 3852450.14	0.04683	0.04067	0.03741	0.04237	0.03389	8.80E-05	3.568E-06	8.4097E-08	3.787E-08	9.17E-05	1.08E-04	4.37E-06	8.30E-08	2.12E-08	1.12E-04	9.51E-05	3.363E-06	8.06E-08	2.189E-08	9.855E-05
1089 482309.06, 3852450.14	0.04714	0.04081	0.03768	0.04276	0.03366	8.86E-05	3.58E-06	8.4871E-08	3.761E-08	9.23E-05	1.09E-04	4.39E-06	8.38E-08	2.11E-08	1.13E-04	9.57E-05	3.375E-06	8.134E-08	2.174E-08	9.919E-05
1090 482209.06, 3852500.14	0.04763	0.04181	0.03781	0.04256	0.03391	8.95E-05	3.668E-06	8.4474E-08	3.789E-08	9.33E-05	1.10E-04	4.49E-06	8.34E-08	2.12E-08	1.14E-04	9.67E-05	3.458E-06	8.096E-08	2.19E-08	0.0001003
1091 482259.06, 3852500.14	0.04794	0.04181	0.03812	0.04305	0.03434	9.01E-05	3.668E-06	8.5446E-08	3.837E-08	9.39E-05	1.10E-04	4.49E-06	8.43E-08	2.15E-08	1.15E-04	9.73E-05	3.458E-06	8.189E-08	2.218E-08	0.0001009
1092 482309.06, 3852500.14	0.04823	0.04186	0.03839	0.04347	0.03447	9.06E-05	3.672E-06	8.628E-08	3.851E-08	9.44E-05	1.11E-04	4.50E-06	8.52E-08	2.16E-08	1.16E-04	9.79E-05	3.462E-06	8.269E-08	2.227E-08	0.0001015
1093 482283.91, 3852513.62	0.04835	0.04209	0.03842	0.04342	0.03459	9.09E-05	3.692E-06	8.6181E-08	3.865E-08	9.47E-05	1.11E-04	4.52E-06	8.51E-08	2.16E-08	1.16E-04	9.82E-05	3.481E-06	8.26E-08	2.234E-08	0.0001018
1094 482333.91, 3852513.62	0.04858	0.04208	0.03862	0.04377	0.03469	9.13E-05	3.692E-06	8.6875E-08	3.876E-08	9.51E-05	1.12E-04	4.52E-06	8.57E-08	2.17E-08	1.17E-04	9.86E-05	3.48E-06	8.326E-08	2.241E-08	0.0001022
1095 482283.91, 3852563.62	0.04934	0.04311	0.03896	0.0439	0.03497	9.27E-05	3.782E-06	8.7133E-08	3.907E-08	9.66E-05	1.14E-04	4.63E-06	8.60E-08	2.19E-08	1.18E-04	1.00E-04	3.565E-06	8.351E-08	2.259E-08	0.0001039
1096 482333.91, 3852563.62	0.04958	0.04305	0.03921	0.04434	0.03538	9.32E-05	3.777E-06	8.8007E-08	3.953E-08	9.71E-05	1.14E-04	4.63E-06	8.69E-08	2.21E-08	1.19E-04	1.01E-04	3.56E-06	8.435E-08	2.285E-08	0.0001043
1097 482383.91, 3852563.62	0.04975	0.04294	0.03934	0.04463	0.03556	9.35E-05	3.767E-06	8.8582E-08	3.973E-08	9.74E-05	1.15E-04	4.62E-06	8.74E-08	2.22E-08	1.19E-04	1.01E-04	3.551E-06	8.49E-08	2.297E-08	0.0001047
1098 482283.91, 3852613.62	0.05058	0.04441	0.03963	0.04447	0.03504	9.51E-05	3.896E-06	8.8265E-08	3.915E-08	9.91E-05	1.16E-04	4.77E-06	8.71E-08	2.19E-08	1.21E-04	1.03E-04	3.673E-06	8.459E-08	2.263E-08	0.0001065
1099 482333.91, 3852613.62	0.05075	0.04423	0.03988	0.04494	0.03572	9.54E-05	3.88E-06	8.9198E-08	3.991E-08	9.94E-05	1.17E-04	4.75E-06	8.80E-08	2.23E-08	1.22E-04	1.03E-04	3.658E-06	8.549E-08	2.307E-08	0.0001068
1100 482383.91, 3852613.62	0.05088	0.04404	0.04003	0.04529	0.03619	9.56E-05	3.863E-06	8.9892E-08	4.044E-08	9.96E-05	1.17E-04	4.73E-06	8.87E-08	2.26E-08	1.22E-04	1.03E-04	3.642E-06	8.615E-08	2.338E-08	0.0001071
1101 482602.38, 3852600.87	0.05196	0.04393	0.04016	0.04587	0.03418	9.76E-05	3.854E-06	9.1043E-08	3.819E-08	1.02E-04	1.20E-04	4.72E-06	8.99E-08	2.14E-08	1.24E-04	1.05E-04	3.633E-06	8.726E-08	2.208E-08	0.0001092
1102 482652.38, 3852600.87	0.05205	0.04389	0.03994	0.04572	0.03339	9.78E-05	3.85E-06	9.0746E-08	3.731E-08	1.02E-04	1.20E-04	4.72E-06	8.96E-08	2.09E-08	1.25E-04	1.06E-04	3.63E-06	8.697E-08	2.157E-08	0.0001094
1103 482702.38, 3852600.87	0.05172	0.04408	0.03985	0.04565	0.03178	9.72E-05	3.867E-06	9.0607E-08	3.551E-08	1.01E-04	1.19E-04	4.74E-06	8.94E-08	1.99E-08	1.24E-04	1.05E-04	3.645E-06	8.684E-08	2.053E-08	0.0001088
1104 482552.38, 3852650.87	0.05324	0.04506	0.04122	0.04693	0.03637	1.00E-04	3.953E-06	9.3147E-08	4.064E-08	1.04E-04	1.23E-04	4.84E-06	9.19E-08	2.27E-08	1.28E-04	1.08E-04	3.726E-06	8.927E-08	2.349E-08	0.0001119
1105 482602.38, 3852650.87	0.05353	0.04506	0.04118	0.04697	0.0358	1.01E-04	3.953E-06	9.3227E-08	4E-08	1.05E-04	1.23E-04	4.84E-06	9.20E-08	2.24E-08	1.28E-04	1.09E-04	3.726E-06	8.935E-08	2.313E-08	0.0001125
1106 482652.38, 3852650.87	0.05375	0.04498	0.04099	0.04686	0.03517	1.01E-04	3.946E-06	9.3008E-08	3.93E-08	1.05E-04	1.24E-04	4.84E-06	9.18E-08	2.20E-08	1.29E-04	1.09E-04	3.72E-06	8.914E-08	2.272E-08	0.000113
1107 482702.38, 3852650.87	0.05384	0.04491	0.04074	0.04668	0.03439	1.01E-04	3.94E-06	9.2651E-08	3.842E-08	1.05E-04	1.24E-04	4.83E-06	9.14E-08	2.15E-08	1.29E-04	1.09E-04	3.714E-06	8.88E-08	2.221E-08	0.0001131
1108 482552.38, 3852700.87	0.05465	0.04635	0.0422	0.04794	0.03749	1.03E-04	4.066E-06	9.5152E-08	4.189E-08	1.07E-04	1.26E-04	4.98E-06	9.39E-08	2.34E-08	1.31E-04	1.11E-04	3.833E-06	9.119E-08	2.422E-08	0.0001149
1109 482602.38, 3852700.87	0.05504	0.04617	0.04212	0.04798	0.03729	1.03E-04	4.05E-06	9.5231E-08	4.166E-08	1.08E-04	1.27E-04	4.96E-06	9.40E-08	2.33E-08	1.32E-04	1.12E-04	3.818E-06	9.127E-08	2.409E-08	0.0001157
1110 482652.38, 3852700.87	0.05517	0.04575	0.04175	0.04771	0.03715	1.04E-04	4.014E-06	9.4696E-08	4.151E-08	1.08E-04	1.27E-04	4.92E-06	9.35E-08	2.32E-08	1.32E-04	1.12E-04	3.783E-06	9.076E-08	2.4E-08	0.0001159
1111 482702.38, 3852700.87	0.05555	0.04583	0.04167	0.0477	0.03642	1.04E-04	4.021E-06	9.4676E-08	4.069E-08	1.09E-04	1.28E-04	4.93E-06	9.34E-08	2.28E-08	1.33E-04	1.13E-04	3.79E-06	9.074E-08	2.353E-08	0.0001167
1112 482452.38, 3852750.87	0.05509	0.04776	0.04256	0.0479	0.03768	1.04E-04	4.19E-06	9.5073E-08	4.21E-08	1.08E-04	1.27E-04	5.13E-06	9.38E-08	2.36E-08	1.32E-04	1.12E-04	3.95E-06	9.112E-08	2.434E-08	0.0001159
1113 482521.29, 3852749.74	0.05563	0.04762	0.04292	0.04857	0.03832	1.05E-04	4.178E-06	9.6402E-08	4.282E-08	1.09E-04	1.28E-04	5.12E-06	9.51E-08	2.40E-08	1.33E-04	1.13E-04	3.938E-06	9.239E-08	2.475E-08	0.000117
1114 482571.29, 3852749.74	0.05613	0.04748	0.04303	0.04885	0.03848	1.05E-04	4.165E-06	9.6958E-08	4.299E-08	1.10E-04	1.29E-04	5.10E-06	9.57E-08	2.41E-08	1.34E-04	1.14E-04	3.927E-06	9.292E-08	2.486E-08	0.000118
1115 482521.29, 3852799.74	0.05698	0.04894	0.04366	0.04924	0.03881	1.07E-04	4.293E-06	9.7732E-08	4.336E-08	1.12E-04	1.31E-04	5.26E-06	9.65E-08	2.43E-08	1.37E-04	1.16E-04	4.047E-06	9.367E-08	2.507E-08	0.0001199
1116 482571.29, 3852799.74	0.05751	0.04879	0.04387	0.04966	0.03926	1.08E-04	4.28E-06	9.8566E-08	4.387E-08	1.12E-04	1.32E-04	5.25E-06	9.73E-08	2.46E-08	1.38E-04	1.17E-04	4.035E-06	9.447E-08	2.536E-08	0.0001209

1117 482621.29, 3852799.74	0.05814	0.04867	0.04399	0.04996	0.03943	1.09E-04	4.27E-06	9.9161E-08	4.406E-08	1.14E-04	1.34E-04	5.23E-06	9.79E-08	2.47E-08	1.39E-04	1.18E-04	4.025E-06	9.504E-08	2.547E-08	0.0001222
1118 482571.29, 3852849.74	0.05913	0.05039	0.0448	0.05053	0.0397	1.11E-04	4.421E-06	1.0029E-07	4.436E-08	1.16E-04	1.36E-04	5.42E-06	9.90E-08	2.48E-08	1.42E-04	1.20E-04	4.167E-06	9.612E-08	2.564E-08	0.0001243
1119 482621.29, 3852849.74	0.05992	0.05034	0.04509	0.05104	0.04011	1.13E-04	4.416E-06	1.013E-07	4.482E-08	1.17E-04	1.38E-04	5.41E-06	1.00E-07	2.51E-08	1.44E-04	1.22E-04	4.163E-06	9.709E-08	2.591E-08	0.0001259
1120 482577.42, 3852901.55	0.06109	0.05222	0.04582	0.05144	0.03997	1.15E-04	4.581E-06	1.021E-07	4.466E-08	1.20E-04	1.41E-04	5.61E-06	1.01E-07	2.50E-08	1.46E-04	1.24E-04	4.319E-06	9.785E-08	2.582E-08	0.0001285
1121 482627.42, 3852901.55	0.062	0.05223	0.04626	0.05216	0.04062	1.17E-04	4.582E-06	1.0353E-07	4.539E-08	1.21E-04	1.43E-04	5.61E-06	1.02E-07	2.54E-08	1.49E-04	1.26E-04	4.319E-06	9.922E-08	2.624E-08	0.0001303
1122 482629.96, 3852955.85	0.06408	0.05414	0.04727	0.05304	0.04093	1.20E-04	4.75E-06	1.0527E-07	4.573E-08	1.25E-04	1.48E-04	5.82E-06	1.04E-07	2.56E-08	1.54E-04	1.30E-04	4.477E-06	1.009E-07	2.644E-08	0.0001347
1123 482679.96, 3852955.85	0.06514	0.0541	0.04769	0.05375	0.04161	1.22E-04	4.746E-06	1.0668E-07	4.649E-08	1.27E-04	1.50E-04	5.82E-06	1.05E-07	2.60E-08	1.56E-04	1.32E-04	4.474E-06	1.022E-07	2.688E-08	0.0001369
1124 482781.63, 3853034.48	0.07088	0.0572	0.05022	0.05663	0.04321	1.33E-04	5.018E-06	1.124E-07	4.828E-08	1.38E-04	1.63E-04	6.15E-06	1.11E-07	2.70E-08	1.70E-04	1.44E-04	4.73E-06	1.077E-07	2.791E-08	0.0001488
1125 482831.63, 3853034.48	0.07128	0.05719	0.05048	0.05712	0.04331	1.34E-04	5.017E-06	1.1337E-07	4.839E-08	1.39E-04	1.64E-04	6.15E-06	1.12E-07	2.71E-08	1.70E-04	1.45E-04	4.73E-06	1.087E-07	2.798E-08	0.0001496
1126 482881.63, 3853034.48	0.07129	0.05713	0.05056	0.05737	0.0431	1.34E-04	5.012E-06	1.1387E-07	4.816E-08	1.39E-04	1.64E-04	6.14E-06	1.12E-07	2.70E-08	1.70E-04	1.45E-04	4.725E-06	1.091E-07	2.784E-08	0.0001496
1127 482781.63, 3853084.48	0.07369	0.05924	0.05133	0.05764	0.04374	1.38E-04	5.197E-06	1.144E-07	4.887E-08	1.44E-04	1.70E-04	6.37E-06	1.13E-07	2.74E-08	1.76E-04	1.50E-04	4.899E-06	1.096E-07	2.825E-08	0.0001547
1128 482831.63, 3853084.48	0.07427	0.05928	0.05178	0.05837	0.04417	1.40E-04	5.2E-06	1.1585E-07	4.935E-08	1.45E-04	1.71E-04	6.37E-06	1.14E-07	2.76E-08	1.78E-04	1.51E-04	4.902E-06	1.11E-07	2.853E-08	0.0001558
1129 482881.63, 3853084.48	0.07434	0.0592	0.05199	0.0588	0.0443	1.40E-04	5.193E-06	1.1671E-07	4.95E-08	1.45E-04	1.71E-04	6.36E-06	1.15E-07	2.77E-08	1.78E-04	1.51E-04	4.896E-06	1.119E-07	2.862E-08	0.000156
1130 482781.63, 3853134.48	0.07668	0.06127	0.05228	0.05841	0.04399	1.44E-04	5.375E-06	1.1593E-07	4.915E-08	1.50E-04	1.77E-04	6.59E-06	1.14E-07	2.75E-08	1.83E-04	1.56E-04	5.067E-06	1.111E-07	2.842E-08	0.0001609
1131 482831.63, 3853134.48	0.07742	0.06134	0.05289	0.05937	0.04482	1.45E-04	5.381E-06	1.1784E-07	5.008E-08	1.51E-04	1.78E-04	6.59E-06	1.16E-07	2.80E-08	1.85E-04	1.57E-04	5.073E-06	1.129E-07	2.895E-08	0.0001624
1132 482881.63, 3853134.48	0.07751	0.06118	0.05321	0.05998	0.04538	1.46E-04	5.367E-06	1.1905E-07	5.07E-08	1.51E-04	1.78E-04	6.58E-06	1.17E-07	2.84E-08	1.85E-04	1.57E-04	5.06E-06	1.141E-07	2.931E-08	0.0001626
1133 482831.63, 3853184.48	0.08095	0.0635	0.0539	0.06019	0.04511	1.52E-04	5.571E-06	1.1947E-07	5.04E-08	1.58E-04	1.86E-04	6.83E-06	1.18E-07	2.82E-08	1.93E-04	1.64E-04	5.251E-06	1.145E-07	2.914E-08	0.0001698
1134 482881.63, 3853184.48	0.0811	0.06336	0.05438	0.06104	0.04606	1.52E-04	5.558E-06	1.2115E-07	5.146E-08	1.58E-04	1.87E-04	6.81E-06	1.20E-07	2.88E-08	1.94E-04	1.65E-04	5.24E-06	1.161E-07	2.975E-08	0.00017
1135 484154.84, 3854250.98	0.28547	0.18144	0.12353	0.14048	0.04414	5.36E-04	1.592E-05	2.7883E-07	4.932E-08	5.53E-04	6.57E-04	1.95E-05	2.75E-07	2.76E-08	6.77E-04	5.80E-04	1.5E-05	2.672E-07	2.851E-08	0.0005949
1136 484204.84, 3854250.98	0.27704	0.17623	0.1199	0.13714	0.04287	5.21E-04	1.546E-05	2.722E-07	4.79E-08	5.36E-04	6.38E-04	1.89E-05	2.69E-07	2.68E-08	6.57E-04	5.62E-04	1.457E-05	2.609E-07	2.769E-08	0.0005774
1137 484154.84, 3854300.98	0.29617	0.18866	0.1275	0.14555	0.04385	5.57E-04	1.655E-05	2.8889E-07	4.899E-08	5.73E-04	6.82E-04	2.03E-05	2.85E-07	2.74E-08	7.03E-04	6.01E-04	1.56E-05	2.769E-07	2.833E-08	0.0006172
1138 484204.84, 3854300.98	0.29151	0.18561	0.12512	0.14332	0.04331	5.48E-04	1.628E-05	2.8446E-07	4.839E-08	5.64E-04	6.71E-04	2.00E-05	2.81E-07	2.71E-08	6.92E-04	5.92E-04	1.535E-05	2.726E-07	2.798E-08	0.0006075
1139 484074.19, 3854519.8	0.47686	0.32458	0.17954	0.19278	0.04669	8.96E-04	2.847E-05	3.8263E-07	5.217E-08	9.25E-04	1.10E-03	3.49E-05	3.78E-07	2.92E-08	1.13E-03	9.68E-04	2.684E-05	3.667E-07	3.016E-08	0.0009954
1140 484124.19, 3854519.8	0.4535	0.30111	0.17294	0.18783	0.04638	8.52E-04	2.642E-05	3.7281E-07	5.182E-08	8.79E-04	1.04E-03	3.24E-05	3.68E-07	2.90E-08	1.08E-03	9.21E-04	2.49E-05	3.573E-07	2.996E-08	0.0009461
1141 484074.19, 3854569.8	0.56873	0.38267	0.19757	0.20665	0.04793	1.07E-03	3.357E-05	4.1016E-07	5.355E-08	1.10E-03	1.31E-03	4.11E-05	4.05E-07	3.00E-08	1.35E-03	1.15E-03	3.165E-05	3.931E-07	3.096E-08	0.0011868
1142 484124.19, 3854569.8	0.53112	0.35113	0.18835	0.19882	0.04706	9.98E-04	3.08E-05	3.9462E-07	5.258E-08	1.03E-03	1.22E-03	3.77E-05	3.89E-07	2.94E-08	1.26E-03	1.08E-03	2.904E-05	3.782E-07	3.04E-08	0.0011078
1143 485205.11, 3855188.89	2.13315	2.45744	1.85194	2.48124	0.53314	4.01E-03	0.0002156	4.9248E-06	5.957E-07	4.23E-03	4.91E-03	2.64E-04	4.86E-06	3.33E-07	5.18E-03	4.33E-03	0.0002032	4.72E-06	3.444E-07	0.0045394
1144 485255.11, 3855188.89	1.90506	2.24612	1.67569	2.20951	0.49441	3.58E-03	0.000197	4.3855E-06	5.524E-07	3.78E-03	4.39E-03	2.41E-04	4.33E-06	3.09E-07	4.63E-03	3.87E-03	0.0001858	4.203E-06	3.194E-07	0.0040583
1145 485205.11, 3855238.89	2.36174	2.14789	2.03571	2.81005	0.75328	4.44E-03	0.0001884	5.5774E-06	8.417E-07	4.63E-03	5.44E-03	2.31E-04	5.50E-06	4.71E-07	5.68E-03	4.80E-03	0.0001776	5.345E-06	4.866E-07	0.0049787
1146 485255.11, 3855238.89	2.12744	2.0169	1.88262	2.53373	0.68604	4.00E-03	0.0001769	5.029E-06	7.665E-07	4.18E-03	4.90E-03	2.17E-04	4.96E-06	4.29E-07	5.12E-03	4.32E-03	0.0001668	4.82E-06	4.432E-07	0.0044916
1147 485205.11, 3855288.89	2.91059	1.93917	2.46059	3.47997	1.04101	5.47E-03	0.0001701	6.9071E-06	1.163E-06	5.65E-03	6.70E-03	2.08E-04	6.82E-06	6.51E-07	6.92E-03	5.91E-03	0.0001604	6.62E-06	6.725E-07	0.0060773
1148 485255.11, 3855288.89	2.51451	1.81915	2.20546	3.03042	0.93199	4.73E-03	0.0001596	6.0148E-06	1.041E-06	4.89E-03	5.79E-03	1.96E-04	5.94E-06	5.83E-07	5.99E-03	5.11E-03	0.0001504	5.765E-06	6.02E-07	0.0052622
1149 485255.11, 3855338.89	3.03246	1.61358	2.59915	3.67314	1.23172	5.70E-03	0.0001416	7.2905E-06	1.376E-06	5.85E-03	6.98E-03	1.73E-04	7.20E-06	7.70E-07	7.16E-03	6.16E-03	0.0001334	6.987E-06	7.957E-07	0.0062983
1150 485305.11, 3855338.89	2.61541	1.53229	2.32765	3.1932	1.07896	4.91E-03	0.0001344	6.3379E-06	1.206E-06	5.06E-03	6.02E-03	1.65E-04	6.26E-06	6.75E-07	6.19E-03	5.31E-03	0.0001267	6.074E-06	6.97E-07	0.0054438
1151 485852.5, 3855635.28	1.83312	0.61342	1.91402	2.39075	1.03846	3.44E-03	5.381E-05	4.7452E-06	1.16E-06	3.50E-03	4.22E-03	6.59E-05	4.68E-06	6.49E-07	4.29E-03	3.72E-03	5.073E-05	4.548E-06	6.708E-07	0.0037779
1152 485902.5, 3855635.28	1.6878	0.59715	1.77988	2.20149	0.96174	3.17E-03	5.239E-05	4.3696E-06	1.075E-06	3.23E-03	3.89E-03	6.42E-05	4.31E-06	6.02E-07	3.96E-03	3.43E-03	4.938E-05	4.188E-06	6.213E-07	0.0034811
1153 485852.5, 3855685.28	2.00783	0.57743	2.08558	2.62631	1.15085	3.77E-03	5.066E-05	5.2127E-06	1.286E-06	3.83E-03	4.62E-03	6.21E-05	5.14E-06	7.20E-07	4.69E-03	4.08E-03	4.775E-05	4.996E-06	7.434E-07	0.0041301
1154 485902.5, 3855685.28	1.83202	0.55736	1.93066	2.40209	1.0601	3.44E-03	4.89E-05	4.7677E-06	1.184E-06	3.50E-03	4.22E-03	5.99E-05	4.71E-06	6.63E-07	4.28E-03	3.72E-03	4.609E-05	4.569E-06	6.848E-07	0.003771
1155 485852.5, 3855735.28	2.2209	0.53621	2.3397	2.90692	1.27904	4.17E-03	4.704E-05	5.7697E-06	1.429E-06	4.23E-03	5.11E-03	5.76E-05	5.69E-06	8.00E-07	5.18E-03	4.51E-03	4.434E-05	5.53E-06	8.262E-07	0.00456
1156 485902.5, 3855735.28	2.02071	0.52828	2.11594	2.65597	1.17915	3.80E-03	4.634E-05	5.2716E-06	1.317E-06	3.85E-03	4.65E-03	5.68E-05	5.20E-06	7.37E-07	4.72E-03	4.10E-03	4.369E-05	5.052E-06	7.617E-07	0.0041523
1157 485852.5, 3855785.28	2.53434	0.49874	2.58332	3.2839	1.44201	4.76E-03	4.375E-05	6.5179E-06	1.611E-06	4.81E-03	5.84E-03	5.36E-05	6.43E-06	9.02E-07	5.90E-03	5.15E-03	4.125E-05	6.247E-06	9.315E-07	0.0051941
1158 485902.5, 3855785.28	2.22987	0.49296	2.37134	2.92867	1.30266	4.19E-03	4.325E-05	5.8129E-06	1.455E-06	4.24E-03	5.13E-03	5.30E-05	5.74E-06	8.15E-07	5.19E-03	4.53E-03	4.077E-05	5.571E-06	8.415E-07	0.0045747
1159 486809.46, 3856465.28	1.98282	0.30922	2.06293	2.67941	1.20597	3.73E-03	2.713E-05	5.3181E-06	1.347E-06	3.76E-03	4.57E-03	3.32E-05	5.25E-06	7.54E-07	4.61E-03	4.03E-03	2.557E-05	5.097E-06	7.79E-07	0.0040573
1160 486859.46, 3856465.28	1.85555	0.30891	1.94891	2.51055	1.15658	3.49E-03	2.71E-05	4.983E-06	1.292E-06	3.52E-03	4.27E-03	3.32E-05	4.92E-06	7.23E-07	4.31E-03	3.77E-03	2.555E-05	4.776E-06	7.471E-07	0.0037985
1161 486909.46, 3856465.28	1.74426	0.30924	1.84659	2.36129	1.10957	3.28E-03	2.713E-05	4.6867E-06	1.24E-06	3.31E-03	4.02E-03	3.32E-05	4.63E-06	6.94E-07	4.06E-03	3.54E-03	2.557E-05	4.492E-06	7.167E-07	0.0035723
1162 486809.46, 3856515.28	2.17117	0.32229	2.22278	2.92531	1.29673	4.08E-03	2.827E-05	5.8062E-06	1.449E-06	4.12E-03	5.00E-03	3.46E-05	5.73E-06	8.11E-07	5.04E-03	4.41E-03	2.665E-05	5.565E-06	8.376E-07	0.0044414
1163 486859.46, 3856515.28	2.014	0.32146	2.08967	2.72094	1.24187	3.78E-03	2.82E-05	5.4006E-06	1.388E-06	3.82E-03	4.64E-03	3.46E-05	5.33E-06	7.77E-07	4.68E-03	4.09E-03	2.658E-05	5.176E-06	8.022E-07	0.0041217
1164 486909.46, 3856515.28	1.88132	0.32139	1.97156	2.54474	1.19023	3.54E-03	2.819E-05	5.0508E-06	1.33E-06	3.57E-03	4.33E-03	3.46E-05	4.98E-06	7.44E-07	4.37E-03	3.82E-03	2.658E-05	4.841E-06	7.689E-07	0.003852
1165 486980.94, 3856357.95	1.40905	0.29678	1.53061	1.90543	0.93462	2.65E-03	2.604E-05	3.7819E-06	1.044E-06	2.68E-03	3.24E-03	3.19E-05	3.73E-06	5.85E-07	3.28E-03	2.86E-03	2.454E-05	3.625E-06	6.037E-07	0.0028897
1166 487030.94, 3856357.95	1.34908	0.29486	1.46919	1.823	0.90837	2.54E-03	2.587E-05	3.6183E-06	1.015E-06	2.57E-03	3.11E-03	3.17E-05	3.57E-06	5.68E-07	3.14E-03	2.74E-03	2.438E-05	3.468E-06	5.868E-07	0.0027676
1167 486980.94, 3856407.95	1.49796	0.30166	1.61424	2.02765	0.99073	2.81E-03	2.646E-05	4.0245E-06	1.107E-06	2.85E-03	3.45E-03	3.24E-05	3.97E-06	6.20E-07	3.49E-03	3.04E-03	2.495E-05	3.857E-06	6.4E-07	0.0030709
1168 487030.94, 3856407.95	1.42847	0.29987	1.54541	1.93271	0.96021	2.68E-03	2.631E-05	3.8361E-06	1.073E-06	2.72E-03	3.29E-03	3.22E-05	3.79E-06	6.01E-07	3.33E-03	2.90E-03	2.48E-05	3.677E-06	6.203E-07	0.0029294
1169 487447.18, 3856437.45	1.06434	0.27939	1.17124	1.42807	0.81404	2.00E-03	2.451E-05	2.8345E-06	9.095E-07	2.03E-03	2.45E-03	3.00E-05	2.80E-06	5.09E-07	2.48E-03	2.16E-03	2.311E-05	2.717E-06	5.258E-07	0.0021874
1170 487497.18, 3856437.45	1.02962	0.2812	1.1351	1.37994	0.79935	1.93E-03	2.467E-05	2.7389E-06	8.931E-07	1.96E-03	2.37E-03	3.02E-05	2.70E-06	5.00E-07	2.40E-03	2.09E-03	2.325E-05	2.625E-06	5.164E-07	0.0021169
1171 487547.18, 3856437.45	0.99725	0.28445	1.10114	1.33461	0.78649	1.87E-03	2.495E-05	2.649E-06	8.788E-07	1.90E-03	2.30E-03	3.06E-05	2.61E-06	4.92E-07	2.33E-03	2.02E-03	2.352E-05	2.539E-06	5.08E-07	0.0020514
1172 487447.18, 3856487.45	1.10693	0.29116	1.21704	1.48723	0.85416	2.08E-03	2.554E-05	2.9519E-06	9.544E-07	2.11E-03	2.55E-03	3.13E-05	2.91E-06	5.34E-07	2.58E-03	2.25E-03	2.408E-05	2.829E-06	5.518E-07	0.0022749
1173 487497.18, 3856487.45	1.06881	0.29433	1.17795	1.43465	0.83729	2.01E-03	2.582E-05	2.8475E-06	9.355E-07	2.04E-03	2.46E-03	3.16E-05	2.81E-06	5.24E-07	2.50E-03	2.17E-03	2.434E-05	2.729E-06	5.409E-07	0.0021977
1174 487547.18, 3856487.45	1.03309	0.30282	1.14135	1.38529	0.8236	1.94E-03	2.657E-05	2.7495E-06	9.202E-07	1.97E-03	2.38E-03	3.26E-05	2.71E-06	5.15E-07	2.41E-03	2.10E-03	2.504E-05	2.635E-06	5.32E-07	0.0021258
1175 487447.18, 3856537.45	1.15086	0.312	1.26579	1.54952	0.89659	2.16E-03	2.737E-05	3.0755E-06	1.002E-06	2.19E-03	2.65E-03	3.35E-05	3.04E-06	5.61E-07	2.69E-03	2.34E-03	2.58E-05	2.948E-06	5.792E-07	0.002366
1176 487497.18, 3856537.45	1.10923	0.31629	1.22344	1.49195	0.87725	2.08E-03	2.775E-05	2.9612E-06	9.802E-07	2.12E-03	2.55E-03	3.40E-05	2.92E-06	5.49E-07	2.59E-03	2.25E-03	2.616E-05	2.838E-06	5.667E-07	0.0022817
1177 487547.18, 3856537.45	1.07047	0.32145	1.18384	1.43815	0.86364	2.01E-03	2.82E-05	2.8545E-06	9.65E-07	2.04E-03	2.47E-03	3.46E-05	2.82E-06	5.40E-07	2.50E-03	2.17E-03	2.658E-05	2.736E-06	5.579E-07	0.0022033
1178 489285.89, 3858826.54	0.4017	0.15773	0.14271	0.10997	0.21162	7.55E-04	1.384E-05	2.1827E-07	2.364E-07	7.69E-04	9.25E-04	1.70E-05	2.15E-07	1.32E-07	9.42E-04	8.16E-04	1.304E-05	2.092E-07	1.367E-07	0.000829
1179 489335.89, 3858826.54	0.37444	0.15799	0.14291	0.10945	0.21187	7.04E-04	1.386E-05	2.1724E-07	2.367E-07	7.18E-04	8.62E-04	1.70E-05	2.14E-07	1.33E-07	8.80E-04	7.60E-04	1.307E-05	2.082E-07	1.369E-07	0.0007737
1180 489385.89, 3858826.54	0.35161	0.15864	0.14337	0.10914	0.21226	6.61E-04	1.392E-05	2.1662E-07	2.372E-07	6.75E-04	8.10E-04	1.71E-05	2.14E-07	1.33E-07	8.27E-04	7.14E-04	1.312E-05	2.076E-07	1.371E-07	0.0007274
1181 489435.89, 3858826.54	0.33252	0.15938	0.14387	0.10891	0.21278	6.25E-04	1.398E-05	2.1617E-07	2.377E-07	6.39E-04	7.66E-04	1.71E-05	2.13E-07	1.33E-07	7.83E-04	6.75E-04	1.318E-05	2.072E-07	1.374E-07	0.0006887
1182 489485.89, 3858826.54	0.3164	0.16024	0.14442	0.1088	0.21247	5.95E-04	1.406E-05	2.1595E-07	2.374E-07	6.09E-04	7.29E-04	1.72E-05	2.13E-07	1.33E-07	7.46E-04	6.42E-04	1.325E-05	2.07E-07	1.372E-07	0.000656
1183 489535.89, 3858826.54	0.3025	0.16125	0.14504	0.10883	0.21294	5.68E-04	1.415E-05	2.1601E-07	2.379E-07	5.83E-04	6.97E-04	1.73E-05	2.13E-07	1.33E-07	7.14E-04	6.14E-04	1.334E-05	2.07E-07	1.376E-07	0.0006279
1184 489585.89, 3858826.54	0.29044	0.16229	0.14567	0.10898	0.21334	5.46E-04	1.424E-05	2.1631E-07	2.384E-07	5.60E-04	6.69E-04	1.74E-05	2.13E-07	1.33E-07	6.87E-04	5.90E-04	1.342E-05	2.073E-07	1.378E-07	0.0006035
1185 489635.89, 3858826.54	0.2798	0.16343	0.14636	0.10927	0.21356	5.26E-04	1.434E-05	2.1688E-07	2.386E-07	5.41E-04	6.44E-04	1.76E-05	2.14E-07	1.34E-07	6.62E-04	5.68E-04	1.352E-05	2.079E-07	1.38E-07	0.000582
1186 489685.89, 3858826.54	0.27023	0.16457	0.14707	0.10966	0.21361	5.08E-04	1.444E-05	2.1765E-07	2.387E-07	5.23E-04	6.22E-04	1.77E-05	2.15E-07	1.34E-07	6.40E-04	5.49E-04	1.361E-05	2.086E-07	1.38E-07	0.0005626
1187 489735.89, 3858826.54	0.26159	0.16565	0.14774	0.11014	0.21348	4.92E-04	1.453E-05	2.1861E-07	2.385E-07	5.07E-04	6.02E-04	1.78E-05	2.16E-07	1.34E-07	6.21E-04	5.31E-04	1.37E-05	2.095E-07	1.379E-07	0.0005452
1188 489785.89, 3858826.54	0.25384	0.16651	0.14825	0.11062	0.21329	4.77E-04	1.461E-05	2.1956E-07	2.383E-07	4.92E-04	5.85E-04	1.79E-05	2.17E-07	1.33E-07	6.03E-04	5.15E-04	1.377E-05	2.104E-07	1.378E-07	0.0005295
1189 489835.89, 3858826.54	0.24675	0.1674	0.14884	0.11122	0.21281	4.64E-04	1.469E-05	2.2075E-07	2.378E-07	4.79E-04	5.68E-04	1.80E-05	2.18E-07	1.33E-07	5.87E-04	5.01E-04	1.384E-05	2.116E-07	1.375E-07	0.0005152
1190 489885.89, 3858826.54	0.24034	0.16796	0.14921	0.11175	0.21235	4.52E-04	1.473E-05	2.218E-07	2.373E-07	4.67E-04	5.53E-04	1.81E-05	2.19E-07	1.33E-07	5.72E-04	4.88E-04	1.389E-05	2.126E-07	1.372E-07	0.0005022
1191 489935.89, 3858826.54	0.23445	0.16842	0.14954	0.1123	0.21174	4.41E-04	1.477E-05	2.2289E-07	2.366E-07	4.56E-04	5.40E-04	1.81E-05	2.20E-07	1.32E-07	5.58E-04	4.76E-04	1.393E-05	2.136E-07	1.368E-07	0.0004903
1192 489985.89, 3858826.54	0.22901	0.16877	0.14985	0.11287	0.21097	4.30E-04	1.481E-05	2.2403E-07	2.357E-07	4.46E-04	5.27E-04	1.81E-05	2.21E-07	1.32E-07	5.46E-04	4.65E-04	1.396E-05	2.147E-07	1.363E-07	0.0004793
1193 490035.89, 3858826.54	0.22392	0.16916	0.15027	0.1135	0.20992	4.21E-04	1.484E-05	2.2528E-07	2.345E-07	4.36E-04	5.16E-04	1.82E-05	2.22E-07	1.31E-07	5.34E-04	4.55E-04	1.399E-05	2.159E-07	1.356E-07	0.000469
1194 489285.89, 3858876.54	0.36704	0.15017	0.13614	0.10672	0.19844	6.90E-04	1.317E-05	2.1182E-07	2.217E-07	7.03E-04	8.45E-04	1.61E-05	2.09E-07	1.24E-07	8.62E-04	7.45E-04	1.242E-05	2.03E-07	1.282E-07	0.000758
1195 489335.89, 3858876.54	0.34413	0.15013	0.13613	0.1061	0.19827	6.47E-04	1.317E-05	2.1059E-07	2.215E-07	6.60E-04	7.92E-04	1.61E-05	2.08E-07	1.24E-07	8.09E-04	6.99E-04	1.242E-05	2.018E-07	1.281E-07	0.0007115
1196 489385.89, 3858876.54	0.32499	0.15028	0.13625	0.10557	0.19841	6.11E-04	1.318E-05	2.0954E-07	2.217E-07	6.24E-04	7.48E-04	1.62E-05	2.07E-07	1.24E-07	7.65E-04	6.60E-04	1.243E-05	2.008E-07	1.282E-07	0.0006726

1197 489435.89, 3858876.54	0.30872	0.15066	0.13652	0.10516	0.19877	5.80E-04	1.322E-05	2.0872E-07	2.221E-07	5.94E-04	7.11E-04	1.62E-05	2.06E-07	1.24E-07	7.27E-04	6.27E-04	1.246E-05	2E-07	1.284E-07	0.0006396
1198 489485.89, 3858876.54	0.29467	0.15124	0.13691	0.10488	0.19926	5.54E-04	1.327E-05	2.0817E-07	2.226E-07	5.67E-04	6.79E-04	1.63E-05	2.05E-07	1.25E-07	6.95E-04	5.98E-04	1.251E-05	1.995E-07	1.287E-07	0.0006111
1199 489535.89, 3858876.54	0.28251	0.15201	0.13742	0.10474	0.19982	5.31E-04	1.334E-05	2.0789E-07	2.233E-07	5.45E-04	6.51E-04	1.63E-05	2.05E-07	1.25E-07	6.67E-04	5.74E-04	1.257E-05	1.992E-07	1.291E-07	0.0005865
1200 489585.89, 3858876.54	0.27191	0.153	0.13809	0.10476	0.19951	5.11E-04	1.342E-05	2.0793E-07	2.229E-07	5.25E-04	6.26E-04	1.64E-05	2.05E-07	1.25E-07	6.43E-04	5.52E-04	1.265E-05	1.993E-07	1.289E-07	0.0005651
1201 489635.89, 3858876.54	0.26269	0.15393	0.13866	0.10483	0.20005	4.94E-04	1.35E-05	2.0807E-07	2.235E-07	5.08E-04	6.05E-04	1.65E-05	2.05E-07	1.25E-07	6.22E-04	5.33E-04	1.273E-05	1.994E-07	1.292E-07	0.0005464
1202 489685.89, 3858876.54	0.25439	0.15499	0.13932	0.10504	0.20044	4.78E-04	1.36E-05	2.0848E-07	2.24E-07	4.92E-04	5.86E-04	1.67E-05	2.06E-07	1.25E-07	6.03E-04	5.17E-04	1.282E-05	1.998E-07	1.295E-07	0.0005297
1203 489735.89, 3858876.54	0.24686	0.15611	0.14004	0.10538	0.20065	4.64E-04	1.37E-05	2.0916E-07	2.242E-07	4.78E-04	5.68E-04	1.68E-05	2.06E-07	1.25E-07	5.86E-04	5.01E-04	1.291E-05	2.005E-07	1.296E-07	0.0005145
1204 489785.89, 3858876.54	0.24004	0.15706	0.1406	0.10573	0.20083	4.51E-04	1.378E-05	2.0985E-07	2.244E-07	4.65E-04	5.53E-04	1.69E-05	2.07E-07	1.26E-07	5.70E-04	4.87E-04	1.299E-05	2.011E-07	1.297E-07	0.0005007
1205 489835.89, 3858876.54	0.23379	0.15805	0.14124	0.1062	0.20078	4.39E-04	1.387E-05	2.1079E-07	2.243E-07	4.54E-04	5.38E-04	1.70E-05	2.08E-07	1.26E-07	5.56E-04	4.75E-04	1.307E-05	2.02E-07	1.297E-07	0.0004881
1206 489885.89, 3858876.54	0.22814	0.15871	0.14161	0.10661	0.20076	4.29E-04	1.392E-05	2.116E-07	2.243E-07	4.43E-04	5.25E-04	1.71E-05	2.09E-07	1.26E-07	5.43E-04	4.63E-04	1.313E-05	2.028E-07	1.297E-07	0.0004767
1207 489935.89, 3858876.54	0.22286	0.15953	0.14219	0.10719	0.20038	4.19E-04	1.4E-05	2.1275E-07	2.239E-07	4.33E-04	5.13E-04	1.71E-05	2.10E-07	1.25E-07	5.31E-04	4.52E-04	1.319E-05	2.039E-07	1.294E-07	0.000466
1208 489985.89, 3858876.54	0.21796	0.16028	0.14275	0.10782	0.19982	4.10E-04	1.406E-05	2.14E-07	2.233E-07	4.24E-04	5.02E-04	1.72E-05	2.11E-07	1.25E-07	5.19E-04	4.43E-04	1.325E-05	2.051E-07	1.291E-07	0.0004561
1209 490035.89, 3858876.54	0.21343	0.16085	0.14321	0.10842	0.19918	4.01E-04	1.411E-05	2.1519E-07	2.225E-07	4.16E-04	4.91E-04	1.73E-05	2.12E-07	1.25E-07	5.09E-04	4.33E-04	1.33E-05	2.062E-07	1.287E-07	0.000447
1210 489285.89, 3858926.54	0.32464	0.14354	0.13032	0.10372	0.18741	6.10E-04	1.259E-05	2.0587E-07	2.094E-07	6.23E-04	7.48E-04	1.54E-05	2.03E-07	1.17E-07	7.63E-04	6.59E-04	1.187E-05	1.973E-07	1.211E-07	0.0006713
1211 489335.89, 3858926.54	0.3083	0.14322	0.13011	0.10304	0.18676	5.79E-04	1.256E-05	2.0452E-07	2.087E-07	5.92E-04	7.10E-04	1.54E-05	2.02E-07	1.17E-07	7.26E-04	6.26E-04	1.184E-05	1.96E-07	1.206E-07	0.0006381
1212 489385.89, 3858926.54	0.29406	0.14316	0.13009	0.10246	0.18645	5.53E-04	1.256E-05	2.0336E-07	2.083E-07	5.66E-04	6.77E-04	1.54E-05	2.01E-07	1.17E-07	6.93E-04	5.97E-04	1.184E-05	1.949E-07	1.204E-07	0.0006092
1213 489435.89, 3858926.54	0.28165	0.14318	0.13012	0.10191	0.18647	5.29E-04	1.256E-05	2.0227E-07	2.083E-07	5.42E-04	6.49E-04	1.54E-05	2.00E-07	1.17E-07	6.64E-04	5.72E-04	1.184E-05	1.939E-07	1.205E-07	0.000584
1214 489485.89, 3858926.54	0.27068	0.14344	0.13031	0.10149	0.18672	5.09E-04	1.258E-05	2.0144E-07	2.086E-07	5.22E-04	6.23E-04	1.54E-05	1.99E-07	1.17E-07	6.39E-04	5.50E-04	1.186E-05	1.931E-07	1.206E-07	0.0005618
1215 489535.89, 3858926.54	0.2609	0.1439	0.13063	0.10118	0.18715	4.90E-04	1.262E-05	2.0082E-07	2.091E-07	5.03E-04	6.01E-04	1.55E-05	1.98E-07	1.17E-07	6.17E-04	5.30E-04	1.19E-05	1.925E-07	1.209E-07	0.0005419
1216 489585.89, 3858926.54	0.25216	0.14455	0.13108	0.101	0.18768	4.74E-04	1.268E-05	2.0047E-07	2.097E-07	4.87E-04	5.81E-04	1.55E-05	1.98E-07	1.17E-07	5.97E-04	5.12E-04	1.195E-05	1.921E-07	1.212E-07	0.0005242
1217 489635.89, 3858926.54	0.24441	0.14533	0.13159	0.10092	0.18751	4.59E-04	1.275E-05	2.0031E-07	2.095E-07	4.72E-04	5.63E-04	1.56E-05	1.98E-07	1.17E-07	5.79E-04	4.96E-04	1.202E-05	1.92E-07	1.211E-07	0.0005086
1218 489685.89, 3858926.54	0.23758	0.1463	0.13224	0.10099	0.18801	4.46E-04	1.283E-05	2.0045E-07	2.101E-07	4.60E-04	5.47E-04	1.57E-05	1.98E-07	1.18E-07	5.63E-04	4.82E-04	1.21E-05	1.921E-07	1.214E-07	0.0004948
1219 489735.89, 3858926.54	0.23133	0.14717	0.13278	0.10109	0.18858	4.35E-04	1.291E-05	2.0064E-07	2.107E-07	4.48E-04	5.33E-04	1.58E-05	1.98E-07	1.18E-07	5.49E-04	4.70E-04	1.217E-05	1.923E-07	1.218E-07	0.0004822
1220 489785.89, 3858926.54	0.22558	0.14805	0.13331	0.10127	0.18906	4.24E-04	1.299E-05	2.01E-07	2.112E-07	4.37E-04	5.19E-04	1.59E-05	1.98E-07	1.18E-07	5.36E-04	4.58E-04	1.224E-05	1.926E-07	1.221E-07	0.0004706
1221 489835.89, 3858926.54	0.2203	0.14911	0.13399	0.10162	0.18931	4.14E-04	1.308E-05	2.017E-07	2.115E-07	4.27E-04	5.07E-04	1.60E-05	1.99E-07	1.18E-07	5.24E-04	4.47E-04	1.233E-05	1.933E-07	1.223E-07	0.0004599
1222 489885.89, 3858926.54	0.21543	0.14997	0.13452	0.10197	0.18954	4.05E-04	1.316E-05	2.0239E-07	2.118E-07	4.18E-04	4.96E-04	1.61E-05	2.00E-07	1.19E-07	5.13E-04	4.37E-04	1.24E-05	1.94E-07	1.224E-07	0.0004501
1223 489935.89, 3858926.54	0.2109	0.15086	0.1351	0.10243	0.18955	3.96E-04	1.323E-05	2.033E-07	2.118E-07	4.10E-04	4.86E-04	1.62E-05	2.01E-07	1.19E-07	5.02E-04	4.28E-04	1.248E-05	1.948E-07	1.224E-07	0.000441
1224 489985.89, 3858926.54	0.20666	0.15182	0.13578	0.10301	0.18931	3.88E-04	1.332E-05	2.0446E-07	2.115E-07	4.02E-04	4.76E-04	1.63E-05	2.02E-07	1.18E-07	4.93E-04	4.20E-04	1.256E-05	1.96E-07	1.223E-07	0.0004325
1225 490035.89, 3858926.54	0.20264	0.15288	0.13659	0.10371	0.18874	3.81E-04	1.341E-05	2.0585E-07	2.109E-07	3.95E-04	4.67E-04	1.64E-05	2.03E-07	1.18E-07	4.83E-04	4.11E-04	1.264E-05	1.973E-07	1.219E-07	0.0004244
1226 489335.89, 3858976.54	0.27164	0.13726	0.12488	0.10027	0.17711	5.10E-04	1.204E-05	1.9902E-07	1.979E-07	5.23E-04	6.26E-04	1.48E-05	1.96E-07	1.11E-07	6.41E-04	5.52E-04	1.135E-05	1.907E-07	1.144E-07	0.0005632
1227 489385.89, 3858976.54	0.2624	0.13696	0.12468	0.09965	0.17635	4.93E-04	1.202E-05	1.9779E-07	1.97E-07	5.06E-04	6.04E-04	1.47E-05	1.95E-07	1.10E-07	6.19E-04	5.33E-04	1.133E-05	1.896E-07	1.139E-07	0.0005444
1228 489435.89, 3858976.54	0.25392	0.13662	0.12443	0.09897	0.17595	4.77E-04	1.199E-05	1.9644E-07	1.966E-07	4.90E-04	5.85E-04	1.47E-05	1.94E-07	1.10E-07	6.00E-04	5.16E-04	1.13E-05	1.883E-07	1.137E-07	0.0005272
1229 489485.89, 3858976.54	0.24608	0.13663	0.12445	0.09846	0.17582	4.62E-04	1.199E-05	1.9542E-07	1.964E-07	4.75E-04	5.67E-04	1.47E-05	1.93E-07	1.10E-07	5.82E-04	5.00E-04	1.13E-05	1.873E-07	1.136E-07	0.0005112
1230 489535.89, 3858976.54	0.23887	0.13687	0.12464	0.09807	0.17594	4.49E-04	1.201E-05	1.9465E-07	1.966E-07	4.61E-04	5.50E-04	1.47E-05	1.92E-07	1.10E-07	5.65E-04	4.85E-04	1.132E-05	1.866E-07	1.137E-07	0.0004966
1231 489585.89, 3858976.54	0.23226	0.13713	0.12482	0.09769	0.1763	4.36E-04	1.203E-05	1.939E-07	1.97E-07	4.49E-04	5.35E-04	1.47E-05	1.91E-07	1.10E-07	5.50E-04	4.72E-04	1.134E-05	1.858E-07	1.139E-07	0.0004832
1232 489635.89, 3858976.54	0.22613	0.13766	0.12519	0.09747	0.17678	4.25E-04	1.208E-05	1.9346E-07	1.975E-07	4.37E-04	5.21E-04	1.48E-05	1.91E-07	1.11E-07	5.36E-04	4.59E-04	1.138E-05	1.854E-07	1.142E-07	0.0004708
1233 489685.89, 3858976.54	0.22047	0.13838	0.1257	0.09738	0.17661	4.14E-04	1.214E-05	1.9328E-07	1.973E-07	4.27E-04	5.08E-04	1.49E-05	1.91E-07	1.10E-07	5.23E-04	4.48E-04	1.144E-05	1.852E-07	1.141E-07	0.0004594
1234 489735.89, 3858976.54	0.2154	0.13911	0.12617	0.09733	0.17722	4.05E-04	1.22E-05	1.9318E-07	1.98E-07	4.17E-04	4.96E-04	1.50E-05	1.91E-07	1.11E-07	5.11E-04	4.37E-04	1.15E-05	1.851E-07	1.145E-07	0.0004491
1235 489785.89, 3858976.54	0.21074	0.13983	0.1266	0.09734	0.17789	3.96E-04	1.227E-05	1.932E-07	1.988E-07	4.09E-04	4.85E-04	1.50E-05	1.91E-07	1.11E-07	5.01E-04	4.28E-04	1.156E-05	1.852E-07	1.149E-07	0.0004397
1236 489835.89, 3858976.54	0.2065	0.14066	0.12712	0.09746	0.17846	3.88E-04	1.234E-05	1.9344E-07	1.994E-07	4.01E-04	4.76E-04	1.51E-05	1.91E-07	1.12E-07	4.91E-04	4.19E-04	1.163E-05	1.854E-07	1.153E-07	0.0004312
1237 489885.89, 3858976.54	0.20257	0.14179	0.12789	0.09782	0.17875	3.81E-04	1.244E-05	1.9415E-07	1.997E-07	3.94E-04	4.66E-04	1.52E-05	1.92E-07	1.12E-07	4.82E-04	4.11E-04	1.173E-05	1.861E-07	1.155E-07	0.0004233
1238 489935.89, 3858976.54	0.19878	0.1428	0.12857	0.0982	0.179	3.74E-04	1.253E-05	1.9491E-07	2E-07	3.86E-04	4.58E-04	1.54E-05	1.92E-07	1.12E-07	4.73E-04	4.04E-04	1.181E-05	1.868E-07	1.156E-07	0.0004157
1239 489985.89, 3858976.54	0.19524	0.14373	0.12919	0.09861	0.17915	3.67E-04	1.261E-05	1.9572E-07	2.002E-07	3.80E-04	4.50E-04	1.55E-05	1.93E-07	1.12E-07	4.65E-04	3.96E-04	1.189E-05	1.876E-07	1.157E-07	0.0004086
1240 490035.89, 3858976.54	0.19155	0.14559	0.13068	0.09956	0.17826	3.60E-04	1.277E-05	1.9761E-07	1.992E-07	3.73E-04	4.41E-04	1.57E-05	1.95E-07	1.11E-07	4.57E-04	3.89E-04	1.204E-05	1.894E-07	1.152E-07	0.0004013
1241 489385.89, 3859026.54	0.23274	0.13152	0.11992	0.09707	0.16788	4.37E-04	1.154E-05	1.9267E-07	1.876E-07	4.49E-04	5.36E-04	1.41E-05	1.90E-07	1.05E-07	5.50E-04	4.73E-04	1.088E-05	1.847E-07	1.084E-07	0.0004837
1242 489435.89, 3859026.54	0.22749	0.13109	0.11959	0.09641	0.16704	4.27E-04	1.15E-05	1.9136E-07	1.866E-07	4.39E-04	5.24E-04	1.41E-05	1.89E-07	1.04E-07	5.38E-04	4.62E-04	1.084E-05	1.834E-07	1.079E-07	0.000473
1243 489485.89, 3859026.54	0.22238	0.13083	0.11941	0.09582	0.1665	4.18E-04	1.148E-05	1.9018E-07	1.86E-07	4.30E-04	5.12E-04	1.41E-05	1.88E-07	1.04E-07	5.26E-04	4.52E-04	1.082E-05	1.823E-07	1.076E-07	0.0004626
1244 489535.89, 3859026.54	0.21747	0.13069	0.11931	0.09527	0.16626	4.09E-04	1.147E-05	1.8909E-07	1.858E-07	4.21E-04	5.01E-04	1.40E-05	1.87E-07	1.04E-07	5.15E-04	4.42E-04	1.081E-05	1.812E-07	1.074E-07	0.0004526
1245 489585.89, 3859026.54	0.21278	0.13081	0.11942	0.09485	0.16627	4.00E-04	1.148E-05	1.8826E-07	1.858E-07	4.12E-04	4.90E-04	1.41E-05	1.86E-07	1.04E-07	5.04E-04	4.32E-04	1.082E-05	1.804E-07	1.074E-07	0.0004431
1246 489635.89, 3859026.54	0.20831	0.131	0.11955	0.09447	0.16652	3.91E-04	1.149E-05	1.8751E-07	1.861E-07	4.03E-04	4.80E-04	1.41E-05	1.85E-07	1.04E-07	4.94E-04	4.23E-04	1.083E-05	1.797E-07	1.076E-07	0.0004341
1247 489685.89, 3859026.54	0.20407	0.13137	0.11982	0.09419	0.16694	3.83E-04	1.152E-05	1.8695E-07	1.865E-07	3.95E-04	4.70E-04	1.41E-05	1.85E-07	1.04E-07	4.84E-04	4.14E-04	1.086E-05	1.792E-07	1.078E-07	0.0004255
1248 489735.89, 3859026.54	0.2001	0.13181	0.12009	0.09397	0.16748	3.76E-04	1.156E-05	1.8651E-07	1.871E-07	3.88E-04	4.61E-04	1.42E-05	1.84E-07	1.05E-07	4.75E-04	4.06E-04	1.09E-05	1.788E-07	1.082E-07	0.0004175
1249 489785.89, 3859026.54	0.19639	0.13239	0.12046	0.09386	0.16808	3.69E-04	1.161E-05	1.8629E-07	1.878E-07	3.81E-04	4.52E-04	1.42E-05	1.84E-07	1.05E-07	4.67E-04	3.99E-04	1.095E-05	1.785E-07	1.086E-07	0.00041
1250 489835.89, 3859026.54	0.19294	0.1333	0.12111	0.09396	0.168	3.63E-04	1.169E-05	1.8649E-07	1.877E-07	3.75E-04	4.44E-04	1.43E-05	1.84E-07	1.05E-07	4.59E-04	3.92E-04	1.102E-05	1.787E-07	1.085E-07	0.0004031
1251 489885.89, 3859026.54	0.18979	0.13418	0.12169	0.09409	0.16854	3.57E-04	1.177E-05	1.8675E-07	1.883E-07	3.69E-04	4.37E-04	1.44E-05	1.84E-07	1.05E-07	4.52E-04	3.85E-04	1.11E-05	1.79E-07	1.089E-07	0.0003967
1252 489935.89, 3859026.54	0.18676	0.13518	0.12238	0.09436	0.16896	3.51E-04	1.186E-05	1.8729E-07	1.888E-07	3.63E-04	4.30E-04	1.45E-05	1.85E-07	1.06E-07	4.45E-04	3.79E-04	1.118E-05	1.795E-07	1.091E-07	0.0003907
1253 489985.89, 3859026.54	0.18386	0.1362	0.12308	0.0947	0.16928	3.46E-04	1.195E-05	1.8796E-07	1.891E-07	3.58E-04	4.23E-04	1.46E-05	1.86E-07	1.06E-07	4.38E-04	3.73E-04	1.126E-05	1.801E-07	1.093E-07	0.0003849
1254 490035.89, 3859026.54	0.18066	0.13823	0.12472	0.09561	0.16852	3.39E-04	1.213E-05	1.8977E-07	1.883E-07	3.52E-04	4.16E-04	1.49E-05	1.87E-07	1.05E-07	4.31E-04	3.67E-04	1.143E-05	1.819E-07	1.089E-07	0.0003785
1255 489485.89, 3859076.54	0.20087	0.12575	0.11497	0.0934	0.15864	3.77E-04	1.103E-05	1.8538E-07	1.773E-07	3.89E-04	4.63E-04	1.35E-05	1.83E-07	9.92E-08	4.76E-04	4.08E-04	1.04E-05	1.777E-07	1.025E-07	0.0004185
1256 489535.89, 3859076.54	0.19773	0.12545	0.11475	0.09282	0.15801	3.72E-04	1.101E-05	1.8423E-07	1.765E-07	3.83E-04	4.55E-04	1.35E-05	1.82E-07	9.88E-08	4.69E-04	4.01E-04	1.037E-05	1.766E-07	1.021E-07	0.0004121
1257 489585.89, 3859076.54	0.1946	0.12529	0.11464	0.0923	0.15765	3.66E-04	1.099E-05	1.832E-07	1.761E-07	3.77E-04	4.48E-04	1.35E-05	1.81E-07	9.86E-08	4.62E-04	3.95E-04	1.036E-05	1.756E-07	1.018E-07	0.0004058
1258 489635.89, 3859076.54	0.19148	0.12514	0.11452	0.09177	0.15758	3.60E-04	1.098E-05	1.8215E-07	1.761E-07	3.71E-04	4.41E-04	1.35E-05	1.80E-07	9.86E-08	4.55E-04	3.89E-04	1.035E-05	1.746E-07	1.018E-07	0.0003994
1259 489685.89, 3859076.54	0.18844	0.12519	0.11454	0.09134	0.15774	3.54E-04	1.098E-05	1.8129E-07	1.762E-07	3.65E-04	4.34E-04	1.35E-05	1.79E-07	9.87E-08	4.48E-04	3.83E-04	1.035E-05	1.738E-07	1.019E-07	0.0003932
1260 489735.89, 3859076.54	0.18552	0.12541	0.11469	0.09102	0.15807	3.49E-04	1.1E-05	1.8066E-07	1.766E-07	3.60E-04	4.27E-04	1.35E-05	1.78E-07	9.89E-08	4.41E-04	3.77E-04	1.037E-05	1.731E-07	1.021E-07	0.0003873
1261 489785.89, 3859076.54	0.18271	0.1258	0.11495	0.0908	0.15853	3.43E-04	1.104E-05	1.8022E-07	1.771E-07	3.55E-04	4.21E-04	1.35E-05	1.78E-07	9.92E-08	4.35E-04	3.71E-04	1.04E-05	1.727E-07	1.024E-07	0.0003816
1262 489835.89, 3859076.54	0.17996	0.12643	0.1154	0.09073	0.15906	3.38E-04	1.109E-05	1.8008E-07	1.777E-07	3.50E-04	4.14E-04	1.36E-05	1.78E-07	9.95E-08	4.28E-04	3.65E-04	1.046E-05	1.726E-07	1.027E-07	0.0003761
1263 489885.89, 3859076.54	0.17734	0.12721	0.11595	0.09076	0.15902	3.33E-04	1.116E-05	1.8014E-07	1.777E-07	3.45E-04	4.08E-04	1.37E-05	1.78E-07	9.95E-08	4.22E-04	3.60E-04	1.052E-05	1.726E-07	1.027E-07	0.0003709
1264 489935.89, 3859076.54	0.175	0.128	0.11649	0.09085	0.15958	3.29E-04	1.123E-05	1.8032E-07	1.783E-07	3.40E-04	4.03E-04	1.38E-05	1.78E-07	9.98E-08	4.17E-04	3.55E-04	1.059E-05	1.728E-07	1.031E-07	0.0003662
1265 489985.89, 3859076.54	0.17276	0.12903	0.11723	0.0911	0.15999	3.25E-04	1.132E-05	1.8082E-07	1.788E-07	3.36E-04	3.98E-04	1.39E-05	1.78E-07	1.00E-07	4.12E-04	3.51E-04	1.067E-05	1.733E-07	1.033E-07	0.0003617
1266 490035.89, 3859076.54	0.17027	0.13083	0.11867	0.09181	0.15967	3.20E-04	1.148E-05	1.8223E-07	1.784E-07	3.32E-04	3.92E-04	1.41E-05	1.80E-07	9.99E-08	4.06E-04	3.46E-04	1.082E-05	1.746E-07	1.031E-07	0.0003568
1267 489585.89, 3859126.54	0.17822	0.12039	0.11036	0.08995	0.15034	3.35E-04	1.056E-05	1.7853E-07	1.68E-07	3.46E-04	4.10E-04	1.29E-05	1.76E-07	9.40E-08	4.24E-04	3.62E-04	9.956E-06	1.711E-07	9.711E-08	0.0003721
1268 489635.89, 3859126.54	0.17612	0.12003	0.11007	0.08935	0.14992	3.31E-04	1.053E-05	1.7734E-07	1.675E-07	3.42E-04	4.06E-04	1.29E-05	1.75E-07	9.38E-08	4.19E-04	3.58E-04	9.926E-06	1.7E-07	9.684E-08	0.0003678
1269 489685.89, 3859126.54	0.17402	0.11987	0.10995	0.08885	0.14973	3.27E-04	1.052E-05	1.7635E-07	1.673E-07	3.38E-04	4.01E-04	1.29E-05	1.74E-07	9.36E-08	4.14E-04	3.53E-04	9.913E-06	1.69E-07	9.672E-08	0.0003635
1270 489735.89, 3859126.54	0.17192	0.11988	0.10995	0.08843	0.14977	3.23E-04	1.052E-05	1.7552E-07	1.673E-07	3.34E-04	3.96E-04	1.29E-05	1.73E-07	9.37E-08	4.09E-04	3.49E-04	9.914E-06	1.682E-07	9.675E-08	0.0003592
1271 489785.89, 3859126.54	0.16986	0.12003	0.11005	0.0881	0.15	3.19E-04	1.053E-05	1.7486E-07	1.676E-07	3.30E-04	3.91E-04	1.29E-05	1.73E-07	9.38E-08	4.04E-04	3.45E-04	9.926E-06	1.676E-07	9.69E-08	0.0003551
1272 489835.89, 3859126.54	0.16786	0.12042	0.11034	0.0879	0.15037	3.15E-04	1.056E-05	1.7447E-07	1.68E-07	3.26E-04	3.87E-04	1.29E-05	1.72E-07	9.40E-08	4.00E-04	3.41E-04	9.959E-06	1.672E-07	9.713E-08	0.000351
1273 489885.89, 3859126.54	0.1658	0.12102	0.11079	0.08784	0.15024	3.12E-04	1.062E-05	1.7435E-07	1.679E-07	3.23E-04	3.82E-04	1.30E-05	1.72E-07	9.40E-08	3.95E-04	3.37E-04	1.001E-05	1.671E-07	9.705E-08	0.0003469
1274 489935.89, 3859126.54	0.16389	0.12163	0.11121	0.08779	0.15077	3.08E-04	1.067E-05	1.7425E-07	1.685E-07	3.19E-04	3.77E-04	1.31E-05	1.72E-07	9.43E-08	3.91E-04	3.33E-04	1.006E-05	1.67E-07	9.739E-08	0.0003431
1275 489985.89, 3859126.54	0.16208	0.12274	0.11207	0.08805	0.15105	3.05E-04	1.077E-05	1.7476E-07	1.688E-07	3.16E-04	3.73E-04	1.32E-05	1.72E-07	9.45E-08	3.87E-04	3.29E-04	1.015E-05	1.675E-07	9.757E-08	0.0003395
1276 490035.89, 3859126.54	0.16024	0.12393	0.11299	0.08838	0.15125	3.01E-04	1.087E-05	1.7542E-07	1.69E-07	3.12E-04	3.69E-04	1.33E-05	1.73E-07	9.46E-08	3.83E-04	3.25E-04	1.025E-05	1.681E-07	9.77E-08	0.0003359

1277 489585.89, 3859176.54	0.16372	0.1162	0.1067	0.08787	0.14415	3.08E-04	1.019E-05	1.7441E-07	1.611E-07	3.18E-04	3.77E-04	1.25E-05	1.72E-07	9.02E-08	3.90E-04	3.32E-04	9.61E-06	1.672E-07	9.312E-08	0.0003423
1278 489635.89, 3859176.54	0.16245	0.11566	0.10626	0.08722	0.14339	3.05E-04	1.015E-05	1.7312E-07	1.602E-07	3.16E-04	3.74E-04	1.24E-05	1.71E-07	8.97E-08	3.87E-04	3.30E-04	9.565E-06	1.659E-07	9.263E-08	0.0003397
1279 489685.89, 3859176.54	0.16103	0.11522	0.1059	0.0866	0.14288	3.03E-04	1.011E-05	1.7189E-07	1.596E-07	3.13E-04	3.71E-04	1.24E-05	1.70E-07	8.94E-08	3.83E-04	3.27E-04	9.529E-06	1.647E-07	9.23E-08	0.0003367
1280 489735.89, 3859176.54	0.15956	0.11495	0.10567	0.08606	0.14261	3.00E-04	1.008E-05	1.7081E-07	1.593E-07	3.10E-04	3.67E-04	1.24E-05	1.69E-07	8.92E-08	3.80E-04	3.24E-04	9.506E-06	1.637E-07	9.212E-08	0.0003337
1281 489785.89, 3859176.54	0.15813	0.11499	0.10571	0.0857	0.14253	2.97E-04	1.009E-05	1.701E-07	1.593E-07	3.08E-04	3.64E-04	1.24E-05	1.68E-07	8.91E-08	3.77E-04	3.21E-04	9.51E-06	1.63E-07	9.207E-08	0.0003308
1282 489835.89, 3859176.54	0.15667	0.11513	0.10582	0.08539	0.14265	2.94E-04	1.01E-05	1.6948E-07	1.594E-07	3.05E-04	3.61E-04	1.24E-05	1.67E-07	8.92E-08	3.73E-04	3.18E-04	9.521E-06	1.624E-07	9.215E-08	0.0003279
1283 489885.89, 3859176.54	0.15522	0.11549	0.1061	0.08521	0.14292	2.92E-04	1.013E-05	1.6913E-07	1.597E-07	3.02E-04	3.57E-04	1.24E-05	1.67E-07	8.94E-08	3.70E-04	3.15E-04	9.551E-06	1.621E-07	9.232E-08	0.000325
1284 489935.89, 3859176.54	0.15372	0.11589	0.10639	0.08505	0.14333	2.89E-04	1.017E-05	1.6881E-07	1.601E-07	2.99E-04	3.54E-04	1.25E-05	1.67E-07	8.96E-08	3.67E-04	3.12E-04	9.584E-06	1.618E-07	9.259E-08	0.0003219
1285 489985.89, 3859176.54	0.15218	0.1168	0.10711	0.08518	0.14299	2.86E-04	1.025E-05	1.6907E-07	1.598E-07	2.97E-04	3.50E-04	1.26E-05	1.67E-07	8.94E-08	3.63E-04	3.09E-04	9.659E-06	1.62E-07	9.237E-08	0.0003189
1286 490035.89, 3859176.54	0.15084	0.1174	0.10754	0.08517	0.14354	2.83E-04	1.03E-05	1.6905E-07	1.604E-07	2.94E-04	3.47E-04	1.26E-05	1.67E-07	8.98E-08	3.60E-04	3.06E-04	9.709E-06	1.62E-07	9.272E-08	0.0003162
1287 489685.89, 3859226.54	0.14945	0.11128	0.10245	0.08464	0.13704	2.81E-04	9.762E-06	1.6799E-07	1.531E-07	2.91E-04	3.44E-04	1.20E-05	1.66E-07	8.57E-08	3.56E-04	3.03E-04	9.203E-06	1.61E-07	8.852E-08	0.0003129
1288 489735.89, 3859226.54	0.14848	0.11076	0.10201	0.084	0.13647	2.79E-04	9.717E-06	1.6672E-07	1.525E-07	2.89E-04	3.42E-04	1.19E-05	1.65E-07	8.54E-08	3.54E-04	3.01E-04	9.16E-06	1.598E-07	8.816E-08	0.0003109
1289 489785.89, 3859226.54	0.14749	0.11054	0.10185	0.08353	0.13609	2.77E-04	9.697E-06	1.6579E-07	1.521E-07	2.87E-04	3.40E-04	1.19E-05	1.64E-07	8.51E-08	3.52E-04	2.99E-04	9.142E-06	1.589E-07	8.791E-08	0.0003088
1290 489835.89, 3859226.54	0.14652	0.11058	0.10189	0.08319	0.13591	2.75E-04	9.701E-06	1.6512E-07	1.519E-07	2.85E-04	3.37E-04	1.19E-05	1.63E-07	8.50E-08	3.50E-04	2.97E-04	9.145E-06	1.582E-07	8.779E-08	0.0003069
1291 489885.89, 3859226.54	0.14549	0.11067	0.10197	0.08288	0.13594	2.73E-04	9.709E-06	1.645E-07	1.519E-07	2.83E-04	3.35E-04	1.19E-05	1.62E-07	8.50E-08	3.47E-04	2.95E-04	9.152E-06	1.577E-07	8.781E-08	0.0003048
1292 489935.89, 3859226.54	0.14439	0.11094	0.10218	0.08267	0.13612	2.71E-04	9.732E-06	1.6408E-07	1.521E-07	2.81E-04	3.33E-04	1.19E-05	1.62E-07	8.51E-08	3.45E-04	2.93E-04	9.175E-06	1.573E-07	8.793E-08	0.0003026
1293 489985.89, 3859226.54	0.14311	0.11173	0.10285	0.08276	0.13552	2.69E-04	9.802E-06	1.6426E-07	1.514E-07	2.79E-04	3.30E-04	1.20E-05	1.62E-07	8.48E-08	3.42E-04	2.91E-04	9.24E-06	1.574E-07	8.754E-08	0.0003001
1294 490035.89, 3859226.54	0.14206	0.11205	0.10306	0.08258	0.13604	2.67E-04	9.83E-06	1.6391E-07	1.52E-07	2.77E-04	3.27E-04	1.20E-05	1.62E-07	8.51E-08	3.39E-04	2.88E-04	9.266E-06	1.571E-07	8.788E-08	0.0002979
1295 489735.89, 3859276.54	0.13848	0.10713	0.09884	0.08216	0.13124	2.60E-04	9.398E-06	1.6307E-07	1.466E-07	2.70E-04	3.19E-04	1.15E-05	1.61E-07	8.21E-08	3.31E-04	2.81E-04	8.86E-06	1.563E-07	8.478E-08	0.0002903
1296 489785.89, 3859276.54	0.13788	0.10668	0.09846	0.08158	0.13059	2.59E-04	9.359E-06	1.6192E-07	1.459E-07	2.69E-04	3.18E-04	1.15E-05	1.60E-07	8.17E-08	3.29E-04	2.80E-04	8.822E-06	1.552E-07	8.436E-08	0.000289
1297 489835.89, 3859276.54	0.13729	0.10656	0.09838	0.08119	0.13012	2.58E-04	9.348E-06	1.6115E-07	1.454E-07	2.68E-04	3.16E-04	1.15E-05	1.59E-07	8.14E-08	3.28E-04	2.79E-04	8.812E-06	1.544E-07	8.405E-08	0.0002878
1298 489885.89, 3859276.54	0.13657	0.10642	0.09828	0.08078	0.12988	2.57E-04	9.336E-06	1.6033E-07	1.451E-07	2.66E-04	3.14E-04	1.14E-05	1.58E-07	8.12E-08	3.26E-04	2.77E-04	8.801E-06	1.537E-07	8.39E-08	0.0002863
1299 489935.89, 3859276.54	0.13588	0.10656	0.09841	0.08053	0.12979	2.55E-04	9.348E-06	1.5984E-07	1.45E-07	2.65E-04	3.13E-04	1.15E-05	1.58E-07	8.12E-08	3.25E-04	2.76E-04	8.812E-06	1.532E-07	8.384E-08	0.0002849
1300 489985.89, 3859276.54	0.13492	0.10723	0.099	0.08057	0.12892	2.54E-04	9.407E-06	1.5992E-07	1.44E-07	2.63E-04	3.11E-04	1.15E-05	1.58E-07	8.06E-08	3.22E-04	2.74E-04	8.868E-06	1.533E-07	8.328E-08	0.000283
1301 490035.89, 3859276.54	0.1341	0.10713	0.09886	0.08017	0.12943	2.52E-04	9.398E-06	1.5912E-07	1.446E-07	2.62E-04	3.09E-04	1.15E-05	1.57E-07	8.10E-08	3.21E-04	2.72E-04	8.86E-06	1.525E-07	8.361E-08	0.0002814
1302 490458.06, 3859590.74	0.09527	0.08473	0.07923	0.06635	0.10068	1.79E-04	7.433E-06	1.3169E-07	1.125E-07	1.87E-04	2.19E-04	9.11E-06	1.30E-07	6.30E-08	2.29E-04	1.93E-04	7.007E-06	1.262E-07	6.504E-08	0.0002006
1303 490508.06, 3859590.74	0.09529	0.08513	0.07957	0.06637	0.10082	1.79E-04	7.468E-06	1.3173E-07	1.126E-07	1.87E-04	2.19E-04	9.15E-06	1.30E-07	6.31E-08	2.29E-04	1.93E-04	7.04E-06	1.263E-07	6.513E-08	0.0002007
1304 490558.06, 3859590.74	0.09532	0.08558	0.07995	0.06642	0.10104	1.79E-04	7.508E-06	1.3183E-07	1.129E-07	1.87E-04	2.20E-04	9.20E-06	1.30E-07	6.32E-08	2.29E-04	1.94E-04	7.077E-06	1.263E-07	6.527E-08	0.0002008
1305 490608.06, 3859590.74	0.09525	0.08614	0.08041	0.06653	0.10087	1.79E-04	7.557E-06	1.3205E-07	1.127E-07	1.87E-04	2.19E-04	9.26E-06	1.30E-07	6.31E-08	2.29E-04	1.93E-04	7.124E-06	1.266E-07	6.516E-08	0.0002007
1306 490658.06, 3859590.74	0.09513	0.08678	0.08095	0.06669	0.10103	1.79E-04	7.613E-06	1.3237E-07	1.129E-07	1.87E-04	2.19E-04	9.33E-06	1.31E-07	6.32E-08	2.29E-04	1.93E-04	7.177E-06	1.269E-07	6.526E-08	0.0002005
1307 490708.06, 3859590.74	0.09498	0.08746	0.08152	0.06688	0.10119	1.78E-04	7.673E-06	1.3274E-07	1.131E-07	1.86E-04	2.19E-04	9.40E-06	1.31E-07	6.33E-08	2.28E-04	1.93E-04	7.233E-06	1.272E-07	6.537E-08	0.0002003
1308 490758.06, 3859590.74	0.09476	0.08821	0.08214	0.06712	0.10129	1.78E-04	7.738E-06	1.3322E-07	1.132E-07	1.86E-04	2.18E-04	9.48E-06	1.31E-07	6.34E-08	2.28E-04	1.92E-04	7.295E-06	1.277E-07	6.543E-08	0.0001999
1309 490808.06, 3859590.74	0.09452	0.08887	0.08268	0.06732	0.10147	1.78E-04	7.796E-06	1.3362E-07	1.134E-07	1.86E-04	2.18E-04	9.55E-06	1.32E-07	6.35E-08	2.27E-04	1.92E-04	7.349E-06	1.281E-07	6.555E-08	0.0001995
1310 490858.06, 3859590.74	0.09426	0.08957	0.08325	0.06756	0.10156	1.77E-04	7.858E-06	1.3409E-07	1.135E-07	1.85E-04	2.17E-04	9.63E-06	1.32E-07	6.35E-08	2.27E-04	1.91E-04	7.407E-06	1.285E-07	6.56E-08	0.000199
1311 490458.06, 3859640.74	0.09106	0.08163	0.0765	0.06463	0.097	1.71E-04	7.161E-06	1.2828E-07	1.084E-07	1.79E-04	2.10E-04	8.78E-06	1.27E-07	6.07E-08	2.19E-04	1.85E-04	6.751E-06	1.229E-07	6.266E-08	0.0001918
1312 490508.06, 3859640.74	0.0911	0.08187	0.07671	0.06457	0.09702	1.71E-04	7.182E-06	1.2816E-07	1.084E-07	1.79E-04	2.10E-04	8.80E-06	1.26E-07	6.07E-08	2.19E-04	1.85E-04	6.771E-06	1.228E-07	6.267E-08	0.0001919
1313 490558.06, 3859640.74	0.09112	0.08218	0.07697	0.06456	0.09712	1.71E-04	7.209E-06	1.2814E-07	1.085E-07	1.79E-04	2.10E-04	8.83E-06	1.26E-07	6.07E-08	2.19E-04	1.85E-04	6.796E-06	1.228E-07	6.274E-08	0.000192
1314 490608.06, 3859640.74	0.09128	0.08269	0.07741	0.06466	0.09728	1.72E-04	7.254E-06	1.2834E-07	1.087E-07	1.79E-04	2.10E-04	8.89E-06	1.27E-07	6.08E-08	2.19E-04	1.85E-04	6.838E-06	1.23E-07	6.284E-08	0.0001924
1315 490658.06, 3859640.74	0.09133	0.08327	0.07792	0.0648	0.09704	1.72E-04	7.305E-06	1.2862E-07	1.084E-07	1.79E-04	2.10E-04	8.95E-06	1.27E-07	6.07E-08	2.19E-04	1.85E-04	6.886E-06	1.233E-07	6.268E-08	0.0001925
1316 490708.06, 3859640.74	0.09126	0.08384	0.07839	0.06493	0.09718	1.71E-04	7.355E-06	1.2887E-07	1.086E-07	1.79E-04	2.10E-04	9.01E-06	1.27E-07	6.08E-08	2.19E-04	1.85E-04	6.933E-06	1.235E-07	6.278E-08	0.0001924
1317 490758.06, 3859640.74	0.09114	0.08448	0.07894	0.06511	0.09728	1.71E-04	7.411E-06	1.2923E-07	1.087E-07	1.79E-04	2.10E-04	9.08E-06	1.28E-07	6.08E-08	2.19E-04	1.85E-04	6.986E-06	1.239E-07	6.284E-08	0.0001922
1318 490808.06, 3859640.74	0.09098	0.08502	0.07937	0.06523	0.09753	1.71E-04	7.459E-06	1.2947E-07	1.09E-07	1.79E-04	2.10E-04	9.14E-06	1.28E-07	6.10E-08	2.19E-04	1.85E-04	7.031E-06	1.241E-07	6.3E-08	0.0001919
1319 490858.06, 3859640.74	0.09081	0.08559	0.07982	0.06538	0.0978	1.71E-04	7.509E-06	1.2977E-07	1.093E-07	1.78E-04	2.09E-04	9.20E-06	1.28E-07	6.12E-08	2.19E-04	1.84E-04	7.078E-06	1.244E-07	6.318E-08	0.0001916
1320 490608.06, 3859690.74	0.08742	0.07963	0.07473	0.06297	0.09365	1.64E-04	6.986E-06	1.2498E-07	1.046E-07	1.71E-04	2.01E-04	8.56E-06	1.23E-07	5.86E-08	2.10E-04	1.77E-04	6.585E-06	1.198E-07	6.049E-08	0.0001843
1321 490658.06, 3859690.74	0.08765	0.0801	0.07515	0.06306	0.09344	1.65E-04	7.027E-06	1.2516E-07	1.044E-07	1.72E-04	2.02E-04	8.61E-06	1.24E-07	5.84E-08	2.11E-04	1.78E-04	6.624E-06	1.2E-07	6.036E-08	0.0001848
1322 490708.06, 3859690.74	0.08769	0.08056	0.07555	0.06315	0.09349	1.65E-04	7.067E-06	1.2534E-07	1.045E-07	1.72E-04	2.02E-04	8.66E-06	1.24E-07	5.85E-08	2.11E-04	1.78E-04	6.662E-06	1.201E-07	6.039E-08	0.0001849
1323 490758.06, 3859690.74	0.08767	0.08111	0.07602	0.06328	0.09355	1.65E-04	7.116E-06	1.256E-07	1.045E-07	1.72E-04	2.02E-04	8.72E-06	1.24E-07	5.85E-08	2.11E-04	1.78E-04	6.708E-06	1.204E-07	6.043E-08	0.0001849
1324 490808.06, 3859690.74	0.08759	0.0816	0.07643	0.06337	0.09371	1.65E-04	7.159E-06	1.2578E-07	1.047E-07	1.72E-04	2.02E-04	8.77E-06	1.24E-07	5.86E-08	2.11E-04	1.78E-04	6.748E-06	1.205E-07	6.053E-08	0.0001848
1325 490858.06, 3859690.74	0.08745	0.08195	0.07668	0.06339	0.0941	1.64E-04	7.189E-06	1.2582E-07	1.051E-07	1.72E-04	2.01E-04	8.81E-06	1.24E-07	5.89E-08	2.10E-04	1.78E-04	6.777E-06	1.206E-07	6.079E-08	0.0001845
1326 490708.06, 3859740.74	0.08416	0.07755	0.0729	0.06147	0.09047	1.58E-04	6.803E-06	1.2201E-07	1.011E-07	1.65E-04	1.94E-04	8.34E-06	1.20E-07	5.66E-08	2.02E-04	1.71E-04	6.413E-06	1.169E-07	5.844E-08	0.0001775
1327 490758.06, 3859740.74	0.0842	0.0778	0.0731	0.06143	0.09031	1.58E-04	6.825E-06	1.2193E-07	1.009E-07	1.65E-04	1.94E-04	8.36E-06	1.20E-07	5.65E-08	2.02E-04	1.71E-04	6.434E-06	1.169E-07	5.834E-08	0.0001776
1328 490808.06, 3859740.74	0.08421	0.07818	0.07341	0.06148	0.09045	1.58E-04	6.858E-06	1.2203E-07	1.011E-07	1.65E-04	1.94E-04	8.40E-06	1.20E-07	5.66E-08	2.03E-04	1.71E-04	6.465E-06	1.17E-07	5.843E-08	0.0001776
1329 490858.06, 3859740.74	0.08416	0.07854	0.0737	0.0615	0.09068	1.58E-04	6.89E-06	1.2207E-07	1.013E-07	1.65E-04	1.94E-04	8.44E-06	1.20E-07	5.67E-08	2.02E-04	1.71E-04	6.495E-06	1.17E-07	5.858E-08	0.0001775
1330 490786.56, 3859749.39	0.08362	0.07746	0.07279	0.06115	0.08984	1.57E-04	6.795E-06	1.2137E-07	1.004E-07	1.64E-04	1.93E-04	8.33E-06	1.20E-07	5.62E-08	2.01E-04	1.70E-04	6.406E-06	1.163E-07	5.803E-08	0.0001764
1331 490836.56, 3859749.39	0.08362	0.07784	0.0731	0.06119	0.09	1.57E-04	6.829E-06	1.2145E-07	1.006E-07	1.64E-04	1.93E-04	8.37E-06	1.20E-07	5.63E-08	2.01E-04	1.70E-04	6.437E-06	1.164E-07	5.814E-08	0.0001764
1332 490786.56, 3859799.39	0.08019	0.07457	0.07024	0.05951	0.08697	1.51E-04	6.542E-06	1.1812E-07	9.717E-08	1.57E-04	1.85E-04	8.02E-06	1.17E-07	5.44E-08	1.93E-04	1.63E-04	6.167E-06	1.132E-07	5.618E-08	0.0001692
1333 490836.56, 3859799.39	0.08032	0.07487	0.07049	0.05952	0.08711	1.51E-04	6.568E-06	1.1814E-07	9.733E-08	1.58E-04	1.85E-04	8.05E-06	1.17E-07	5.45E-08	1.93E-04	1.63E-04	6.192E-06	1.132E-07	5.627E-08	0.0001694
1334 492307.84, 3854508.36	0.12013	0.11284	0.12665	0.13337	0.08217	2.26E-04	9.899E-06	2.6471E-07	9.181E-08	2.36E-04	2.77E-04	1.21E-05	2.61E-07	5.14E-08	2.89E-04	2.44E-04	9.332E-06	2.537E-07	5.308E-08	0.0002535
1335 486445.7, 3854753.6	0.32927	0.52362	0.26785	0.28076	0.07379	6.19E-04	4.594E-05	5.5726E-07	8.245E-08	6.65E-04	7.58E-04	5.63E-05	5.50E-07	4.62E-08	8.15E-04	6.69E-04	4.33E-05	5.341E-07	4.767E-08	0.0007124
1336 472599.75, 3877830.11	0.00324	0.00289	0.00293	0.0032	0.00297	6.09E-06	2.535E-07	6.3514E-09	3.318E-09	6.35E-06	7.46E-06	3.11E-07	6.27E-09	1.86E-09	7.78E-06	6.58E-06	2.39E-07	6.087E-09	1.919E-09	6.825E-06
1337 493107.48, 3866840.19	0.01003	0.01039	0.01008	0.00992	0.00839	1.88E-05	9.115E-07	1.9689E-08	9.374E-09	1.98E-05	2.31E-05	1.12E-06	1.94E-08	5.25E-09	2.42E-05	2.04E-05	8.592E-07	1.887E-08	5.42E-09	2.125E-05
1338 495815.8, 3861662.87	0.03085	0.03304	0.03246	0.0287	0.0381	5.80E-05	2.898E-06	5.6964E-08	4.257E-08	6.10E-05	7.10E-05	3.55E-06	5.62E-08	2.38E-08	7.47E-05	6.26E-05	2.732E-06	5.459E-08	2.461E-08	6.545E-05
1339 480272.33, 3841389.2	0.00106	0.00103	0.00102	0.00108	0.0009	1.99E-06	9.036E-08	2.1436E-09	1.006E-09	2.09E-06	2.44E-06	1.11E-07	2.12E-09	5.63E-10	2.55E-06	2.15E-06	8.518E-08	2.054E-09	5.814E-10	2.24E-06
1340 497005.18, 3862813.64	0.02153	0.02296	0.02254	0.01993	0.02585	4.05E-05	2.014E-06	3.9557E-08	2.888E-08	4.25E-05	4.96E-05	2.47E-06	3.90E-08	1.62E-08	5.21E-05	4.37E-05	1.899E-06	3.791E-08	1.67E-08	4.567E-05
1341 493677.33, 3860302.55	0.05738	0.06069	0.05882	0.05069	0.0684	1.08E-04	5.324E-06	1.0061E-07	7.642E-08	1.13E-04	1.32E-04	6.52E-06	9.93E-08	4.28E-08	1.39E-04	1.17E-04	5.019E-06	9.643E-08	4.418E-08	0.0001217
1342 493727.33, 3860302.55	0.05726	0.06059	0.05874	0.05064	0.0682	1.08E-04	5.315E-06	1.0051E-07	7.62E-08	1.13E-04	1.32E-04	6.51E-06	9.92E-08	4.27E-08	1.39E-04	1.16E-04	5.011E-06	9.633E-08	4.406E-08	0.0001214
1343 493777.33, 3860302.55	0.05716	0.0605	0.05869	0.0506	0.06798	1.07E-04	5.307E-06	1.0043E-07	7.596E-08	1.13E-04	1.32E-04	6.50E-06	9.91E-08	4.25E-08	1.38E-04	1.16E-04	5.003E-06	9.625E-08	4.391E-08	0.0001212
1344 493827.33, 3860302.55	0.05706	0.06042	0.05863	0.05055	0.06774	1.07E-04	5.3E-06	1.0033E-07	7.569E-08	1.13E-04	1.31E-04	6.50E-06	9.90E-08	4.24E-08	1.38E-04	1.16E-04	4.997E-06	9.616E-08	4.376E-08	0.000121
1345 493877.33, 3860302.55	0.05691	0.06028	0.05851	0.05045	0.06753	1.07E-04	5.288E-06	1.0013E-07	7.545E-08	1.12E-04	1.31E-04	6.48E-06	9.88E-08	4.22E-08	1.38E-04	1.16E-04	4.985E-06	9.597E-08	4.362E-08	0.0001207
1346 493927.33, 3860302.55	0.05675	0.06011	0.05835	0.05032	0.06733	1.07E-04	5.273E-06	9.9876E-08	7.523E-08	1.12E-04	1.31E-04	6.46E-06	9.86E-08	4.21E-08	1.37E-04	1.15E-04	4.971E-06	9.572E-08	4.349E-08	0.0001203
1347 493977.33, 3860302.55	0.05671	0.06015	0.05841	0.05034	0.06697	1.07E-04	5.277E-06	9.9916E-08	7.483E-08	1.12E-04	1.31E-04	6.47E-06	9.86E-08	4.19E-08	1.37E-04	1.15E-04	4.974E-06	9.576E-08	4.326E-08	0.0001203
1348 494027.33, 3860302.55	0.05659	0.06008	0.05835	0.05028	0.06667	1.06E-04	5.271E-06	9.9797E-08	7.449E-08	1.12E-04	1.30E-04	6.46E-06	9.85E-08	4.17E-08	1.37E-04	1.15E-04	4.969E-06	9.565E-08	4.307E-08	0.00012
1349 493677.33, 3860352.55	0.05606	0.05936	0.0575	0.04961	0.06713	1.05E-04	5.207E-06	9.8467E-08	7.501E-08	1.11E-04	1.29E-04	6.38E-06	9.72E-08	4.20E-08	1.36E-04	1.14E-04	4.909E-06	9.437E-08	4.336E-08	0.0001189
1350 493727.33, 3860352.55	0.05593	0.05922	0.0574	0.04955	0.06708	1.05E-04	5.195E-06	9.8348E-08	7.495E-08	1.10E-04	1.29E-04	6.37E-06	9.71E-08	4.20E-08	1.35E-04	1.14E-04	4.897E-06	9.426E-08	4.333E-08	0.0001186
1351 493777.33, 3860352.55	0.0558	0.05908	0.0573	0.04948	0.06692	1.05E-04	5.183E-06	9.8209E-08	7.477E-08	1.10E-04	1.28E-04	6.35E-06	9.69E-08	4.19E-08	1.35E-04	1.13E-04	4.886E-06	9.412E-08	4.323E-08	0.0001183
1352 493827.33, 3860352.55	0.0557	0.05898	0.05723	0.04944	0.06673	1.05E-04	5.174E-06	9.8129E-08	7.456E-08	1.10E-04	1.28E-04	6.34E-06	9.68E-08	4.17E-08	1.35E-04	1.13E-04	4.878E-06	9.405E-08	4.311E-08	0.0001181
1353 493877.33, 3860352.55	0.05564	0.05891	0.05719	0.0494	0.06641	1.05E-04	5.168E-06	9.805E-08	7.42E-08	1.10E-04	1.28E-04	6.33E-06	9.68E-08	4.15E-08	1.35E-04	1.13E-04	4.872E-06	9.397E-08	4.29E-08	0.000118
1354 493927.33, 3860352.55	0.05559	0.0589	0.05721	0.0494	0.06616	1.04E-04	5.167E-06	9.805E-08	7.392E-08	1.10E-04	1.28E-04	6.33E-06	9.68E-08	4.14E-08	1.34E-04	1.13E-04	4.871E-06	9.397E-08	4.274E-08	0.0001179
1355 493977.33, 3860352.55	0.05554	0.05891	0.05724	0.04941	0.06587	1.04E-04	5.168E-06	9.807E-08	7.36E-08	1.10E-04	1.28E-04	6.33E-06	9.68E-08	4.12E-08	1.34E-04	1.13E-04	4.872E-06	9.399E-08	4.255E-08	0.0001178
1356 494027.33, 3860352.55	0.05541	0.05879	0.05713	0.04932	0.06565	1.04E-04	5.157E-06	9.7891E-08	7.335E-08	1.09E-04	1.28E-04	6.32E-06	9.66E-08	4.11E-08	1.34E-04	1.13E-04	4.862E-06	9.382E-08	4.241E-08	0.0001175

1357 493677.33, 3860402.55	0.05468	0.05794	0.05609	0.04844	0.06592	1.03E-04	5.083E-06	9.6144E-08	7.365E-08	1.08E-04	1.26E-04	6.23E-06	9.49E-08	4.12E-08	1.32E-04	1.11E-04	4.792E-06	9.215E-08	4.258E-08	0.0001159
1358 493727.33, 3860402.55	0.05457	0.05781	0.05602	0.04841	0.06579	1.03E-04	5.071E-06	9.6085E-08	7.351E-08	1.08E-04	1.26E-04	6.21E-06	9.48E-08	4.11E-08	1.32E-04	1.11E-04	4.781E-06	9.209E-08	4.25E-08	0.0001157
1359 493777.33, 3860402.55	0.05459	0.05787	0.05612	0.0485	0.06563	1.03E-04	5.077E-06	9.6264E-08	7.333E-08	1.08E-04	1.26E-04	6.22E-06	9.50E-08	4.10E-08	1.32E-04	1.11E-04	4.786E-06	9.226E-08	4.239E-08	0.0001158
1360 493827.33, 3860402.55	0.05443	0.05769	0.05597	0.0484	0.06548	1.02E-04	5.061E-06	9.6065E-08	7.316E-08	1.08E-04	1.25E-04	6.20E-06	9.48E-08	4.10E-08	1.32E-04	1.11E-04	4.771E-06	9.207E-08	4.23E-08	0.0001154
1361 493877.33, 3860402.55	0.05432	0.05757	0.05589	0.04835	0.06532	1.02E-04	5.05E-06	9.5966E-08	7.298E-08	1.07E-04	1.25E-04	6.19E-06	9.47E-08	4.09E-08	1.31E-04	1.10E-04	4.761E-06	9.197E-08	4.219E-08	0.0001152
1362 493927.33, 3860402.55	0.05433	0.0576	0.05595	0.04839	0.06513	1.02E-04	5.053E-06	9.6045E-08	7.277E-08	1.07E-04	1.25E-04	6.19E-06	9.48E-08	4.07E-08	1.31E-04	1.10E-04	4.763E-06	9.205E-08	4.207E-08	0.0001152
1363 493977.33, 3860402.55	0.05437	0.05768	0.05606	0.04846	0.06476	1.02E-04	5.06E-06	9.6184E-08	7.236E-08	1.07E-04	1.25E-04	6.20E-06	9.49E-08	4.05E-08	1.32E-04	1.10E-04	4.77E-06	9.218E-08	4.183E-08	0.0001153
1364 494027.33, 3860402.55	0.05423	0.05753	0.05593	0.04836	0.06458	1.02E-04	5.047E-06	9.5986E-08	7.216E-08	1.07E-04	1.25E-04	6.18E-06	9.47E-08	4.04E-08	1.31E-04	1.10E-04	4.758E-06	9.199E-08	4.172E-08	0.000115
1365 493677.33, 3860452.55	0.05343	0.05666	0.05481	0.04735	0.06459	1.00E-04	4.971E-06	9.3981E-08	7.217E-08	1.06E-04	1.23E-04	6.09E-06	9.28E-08	4.04E-08	1.29E-04	1.08E-04	4.686E-06	9.007E-08	4.172E-08	0.0001133
1366 493727.33, 3860452.55	0.05326	0.05643	0.05463	0.04725	0.06449	1.00E-04	4.95E-06	9.3783E-08	7.206E-08	1.05E-04	1.23E-04	6.07E-06	9.26E-08	4.03E-08	1.29E-04	1.08E-04	4.667E-06	8.988E-08	4.166E-08	0.0001129
1367 493777.33, 3860452.55	0.05318	0.05634	0.0546	0.04725	0.06436	9.99E-05	4.943E-06	9.3783E-08	7.191E-08	1.05E-04	1.22E-04	6.06E-06	9.26E-08	4.03E-08	1.29E-04	1.08E-04	4.659E-06	8.988E-08	4.157E-08	0.0001128
1368 493827.33, 3860452.55	0.05318	0.05637	0.05467	0.04732	0.06423	9.99E-05	4.945E-06	9.3921E-08	7.177E-08	1.05E-04	1.22E-04	6.06E-06	9.27E-08	4.02E-08	1.29E-04	1.08E-04	4.662E-06	9.001E-08	4.149E-08	0.0001128
1369 493877.33, 3860452.55	0.05314	0.05635	0.05469	0.04735	0.06408	9.99E-05	4.943E-06	9.3981E-08	7.16E-08	1.05E-04	1.22E-04	6.06E-06	9.28E-08	4.01E-08	1.29E-04	1.08E-04	4.66E-06	9.007E-08	4.139E-08	0.0001127
1370 493927.33, 3860452.55	0.05319	0.05646	0.05484	0.04747	0.06391	1.00E-04	4.953E-06	9.4219E-08	7.141E-08	1.05E-04	1.22E-04	6.07E-06	9.30E-08	4.00E-08	1.29E-04	1.08E-04	4.669E-06	9.03E-08	4.128E-08	0.0001128
1371 493977.33, 3860452.55	0.0531	0.05636	0.05478	0.04743	0.06375	9.98E-05	4.944E-06	9.414E-08	7.123E-08	1.05E-04	1.22E-04	6.06E-06	9.29E-08	3.99E-08	1.28E-04	1.08E-04	4.661E-06	9.022E-08	4.118E-08	0.0001126
1372 494027.33, 3860452.55	0.053	0.05625	0.0547	0.04737	0.06359	9.96E-05	4.935E-06	9.4021E-08	7.105E-08	1.05E-04	1.22E-04	6.05E-06	9.28E-08	3.98E-08	1.28E-04	1.08E-04	4.652E-06	9.011E-08	4.108E-08	0.0001124
1373 493677.33, 3860502.55	0.05216	0.05536	0.05349	0.04621	0.06324	9.80E-05	4.857E-06	9.1718E-08	7.066E-08	1.03E-04	1.20E-04	5.95E-06	9.05E-08	3.96E-08	1.26E-04	1.06E-04	4.578E-06	8.79E-08	4.085E-08	0.0001106
1374 493727.33, 3860502.55	0.05204	0.05519	0.05339	0.04618	0.06315	9.78E-05	4.842E-06	9.1659E-08	7.056E-08	1.03E-04	1.20E-04	5.93E-06	9.05E-08	3.95E-08	1.26E-04	1.06E-04	4.564E-06	8.785E-08	4.079E-08	0.0001104
1375 493777.33, 3860502.55	0.05198	0.05512	0.05337	0.0462	0.06306	9.77E-05	4.836E-06	9.1698E-08	7.046E-08	1.03E-04	1.20E-04	5.93E-06	9.05E-08	3.94E-08	1.26E-04	1.06E-04	4.558E-06	8.788E-08	4.073E-08	0.0001102
1376 493827.33, 3860502.55	0.05192	0.05505	0.05336	0.04622	0.06296	9.76E-05	4.829E-06	9.1738E-08	7.035E-08	1.03E-04	1.20E-04	5.92E-06	9.05E-08	3.94E-08	1.26E-04	1.05E-04	4.553E-06	8.792E-08	4.067E-08	0.0001101
1377 493877.33, 3860502.55	0.05193	0.05509	0.05344	0.0463	0.06285	9.76E-05	4.833E-06	9.1897E-08	7.022E-08	1.03E-04	1.20E-04	5.92E-06	9.07E-08	3.93E-08	1.26E-04	1.05E-04	4.556E-06	8.807E-08	4.06E-08	0.0001101
1378 493927.33, 3860502.55	0.05196	0.05516	0.05356	0.04641	0.06272	9.76E-05	4.839E-06	9.2115E-08	7.008E-08	1.03E-04	1.20E-04	5.93E-06	9.09E-08	3.92E-08	1.26E-04	1.05E-04	4.562E-06	8.828E-08	4.052E-08	0.0001102
1379 493977.33, 3860502.55	0.05187	0.05505	0.05349	0.04637	0.06258	9.75E-05	4.829E-06	9.2036E-08	6.992E-08	1.02E-04	1.19E-04	5.92E-06	9.08E-08	3.91E-08	1.25E-04	1.05E-04	4.553E-06	8.821E-08	4.042E-08	0.00011
1380 494027.33, 3860552.55	0.0518	0.05498	0.05346	0.04636	0.06244	9.73E-05	4.823E-06	9.2016E-08	6.977E-08	1.02E-04	1.19E-04	5.91E-06	9.08E-08	3.91E-08	1.25E-04	1.05E-04	4.547E-06	8.819E-08	4.033E-08	0.0001098
1381 493627.33, 3860552.55	0.05095	0.0541	0.05215	0.045	0.06191	9.57E-05	4.746E-06	8.9317E-08	6.917E-08	1.01E-04	1.17E-04	5.82E-06	8.82E-08	3.87E-08	1.23E-04	1.03E-04	4.474E-06	8.56E-08	3.999E-08	0.000108
1382 493677.33, 3860552.55	0.05084	0.05396	0.05208	0.045	0.06185	9.55E-05	4.734E-06	8.9317E-08	6.911E-08	1.00E-04	1.17E-04	5.80E-06	8.82E-08	3.87E-08	1.23E-04	1.03E-04	4.462E-06	8.56E-08	3.995E-08	0.0001078
1383 493727.33, 3860552.55	0.05075	0.05384	0.05202	0.045	0.06178	9.54E-05	4.723E-06	8.9317E-08	6.903E-08	1.00E-04	1.17E-04	5.79E-06	8.82E-08	3.86E-08	1.23E-04	1.03E-04	4.452E-06	8.56E-08	3.991E-08	0.0001076
1384 493777.33, 3860552.55	0.05073	0.05383	0.05207	0.04508	0.06173	9.53E-05	4.722E-06	8.9475E-08	6.897E-08	1.00E-04	1.17E-04	5.79E-06	8.83E-08	3.86E-08	1.23E-04	1.03E-04	4.452E-06	8.575E-08	3.988E-08	0.0001076
1385 493827.33, 3860552.55	0.05077	0.05388	0.05218	0.0452	0.06167	9.54E-05	4.727E-06	8.9714E-08	6.89E-08	1.00E-04	1.17E-04	5.79E-06	8.85E-08	3.86E-08	1.23E-04	1.03E-04	4.456E-06	8.598E-08	3.984E-08	0.0001077
1386 493877.33, 3860552.55	0.05069	0.05378	0.05213	0.0452	0.06158	9.53E-05	4.718E-06	8.9714E-08	6.88E-08	1.00E-04	1.17E-04	5.78E-06	8.85E-08	3.85E-08	1.23E-04	1.03E-04	4.448E-06	8.598E-08	3.978E-08	0.0001075
1387 493927.33, 3860552.55	0.0507	0.05381	0.05221	0.04528	0.06149	9.53E-05	4.721E-06	8.9872E-08	6.87E-08	1.00E-04	1.17E-04	5.78E-06	8.87E-08	3.85E-08	1.23E-04	1.03E-04	4.45E-06	8.613E-08	3.972E-08	0.0001075
1388 493977.33, 3860552.55	0.05072	0.05386	0.0523	0.04537	0.06139	9.53E-05	4.725E-06	9.0051E-08	6.859E-08	1.00E-04	1.17E-04	5.79E-06	8.89E-08	3.84E-08	1.23E-04	1.03E-04	4.454E-06	8.631E-08	3.966E-08	0.0001076
1389 494027.33, 3860552.55	0.05063	0.05376	0.05224	0.04534	0.06127	9.51E-05	4.716E-06	8.9992E-08	6.846E-08	1.00E-04	1.17E-04	5.78E-06	8.88E-08	3.83E-08	1.22E-04	1.03E-04	4.446E-06	8.625E-08	3.958E-08	0.0001074
1390 493627.33, 3860602.55	0.0497	0.05279	0.05082	0.04383	0.06049	9.34E-05	4.631E-06	8.6994E-08	6.759E-08	9.82E-05	1.14E-04	5.68E-06	8.59E-08	3.78E-08	1.20E-04	1.01E-04	4.366E-06	8.338E-08	3.907E-08	0.0001054
1391 493727.33, 3860602.55	0.04944	0.05246	0.05063	0.0438	0.06038	9.29E-05	4.602E-06	8.6935E-08	6.746E-08	9.77E-05	1.14E-04	5.64E-06	8.58E-08	3.78E-08	1.20E-04	1.00E-04	4.338E-06	8.332E-08	3.9E-08	0.0001048
1392 493777.33, 3860602.55	0.04953	0.05259	0.05081	0.04398	0.06039	9.31E-05	4.614E-06	8.7292E-08	6.747E-08	9.78E-05	1.14E-04	5.65E-06	8.62E-08	3.78E-08	1.20E-04	1.01E-04	4.349E-06	8.366E-08	3.901E-08	0.000105
1393 493827.33, 3860602.55	0.04951	0.05256	0.05085	0.04405	0.06034	9.30E-05	4.611E-06	8.7431E-08	6.742E-08	9.78E-05	1.14E-04	5.65E-06	8.63E-08	3.77E-08	1.20E-04	1.01E-04	4.347E-06	8.379E-08	3.898E-08	0.000105
1394 493877.33, 3860602.55	0.04956	0.05264	0.05098	0.04419	0.06031	9.31E-05	4.618E-06	8.7709E-08	6.739E-08	9.79E-05	1.14E-04	5.66E-06	8.66E-08	3.77E-08	1.20E-04	1.01E-04	4.353E-06	8.406E-08	3.896E-08	0.0001051
1395 493927.33, 3860602.55	0.04956	0.05264	0.05103	0.04426	0.06025	9.31E-05	4.618E-06	8.7848E-08	6.732E-08	9.79E-05	1.14E-04	5.66E-06	8.67E-08	3.77E-08	1.20E-04	1.01E-04	4.353E-06	8.419E-08	3.892E-08	0.0001051
1396 493977.33, 3860602.55	0.04956	0.05266	0.0511	0.04434	0.06018	9.31E-05	4.62E-06	8.8007E-08	6.724E-08	9.79E-05	1.14E-04	5.66E-06	8.69E-08	3.76E-08	1.20E-04	1.01E-04	4.355E-06	8.435E-08	3.887E-08	0.0001051
1397 494027.33, 3860602.55	0.04947	0.05253	0.05102	0.04431	0.06007	9.30E-05	4.608E-06	8.7947E-08	6.712E-08	9.77E-05	1.14E-04	5.65E-06	8.68E-08	3.76E-08	1.20E-04	1.00E-04	4.344E-06	8.429E-08	3.88E-08	0.0001049
1398 493627.33, 3860652.55	0.04844	0.05143	0.04946	0.04264	0.05904	9.10E-05	4.512E-06	8.4633E-08	6.597E-08	9.57E-05	1.12E-04	5.53E-06	8.35E-08	3.69E-08	1.17E-04	9.84E-05	4.253E-06	8.111E-08	3.814E-08	0.0001027
1399 493727.33, 3860652.55	0.04823	0.05118	0.04934	0.04266	0.05898	9.06E-05	4.49E-06	8.4672E-08	6.59E-08	9.53E-05	1.11E-04	5.50E-06	8.36E-08	3.69E-08	1.17E-04	9.79E-05	4.233E-06	8.115E-08	3.81E-08	0.0001023
1400 493777.33, 3860652.55	0.04829	0.05127	0.04949	0.04282	0.05901	9.07E-05	4.498E-06	8.499E-08	6.593E-08	9.54E-05	1.11E-04	5.51E-06	8.39E-08	3.69E-08	1.17E-04	9.80E-05	4.24E-06	8.145E-08	3.812E-08	0.0001024
1401 493827.33, 3860652.55	0.04834	0.05135	0.04962	0.04297	0.05902	9.08E-05	4.505E-06	8.5288E-08	6.594E-08	9.55E-05	1.11E-04	5.52E-06	8.42E-08	3.69E-08	1.17E-04	9.81E-05	4.247E-06	8.174E-08	3.813E-08	0.0001025
1402 493877.33, 3860652.55	0.04841	0.05146	0.04977	0.04314	0.05902	9.10E-05	4.514E-06	8.5625E-08	6.594E-08	9.56E-05	1.11E-04	5.53E-06	8.45E-08	3.69E-08	1.17E-04	9.83E-05	4.256E-06	8.206E-08	3.813E-08	0.0001027
1403 493927.33, 3860652.55	0.04841	0.05145	0.04983	0.04322	0.05898	9.10E-05	4.514E-06	8.5784E-08	6.59E-08	9.56E-05	1.11E-04	5.53E-06	8.47E-08	3.69E-08	1.17E-04	9.83E-05	4.255E-06	8.222E-08	3.81E-08	0.0001027
1404 493977.33, 3860652.55	0.04839	0.05143	0.04986	0.04328	0.05893	9.09E-05	4.512E-06	8.5903E-08	6.584E-08	9.56E-05	1.11E-04	5.53E-06	8.48E-08	3.69E-08	1.17E-04	9.83E-05	4.253E-06	8.233E-08	3.807E-08	0.0001026
1405 494027.33, 3860652.55	0.04842	0.05148	0.04996	0.04339	0.05888	9.10E-05	4.516E-06	8.6121E-08	6.579E-08	9.57E-05	1.12E-04	5.53E-06	8.50E-08	3.68E-08	1.17E-04	9.83E-05	4.257E-06	8.254E-08	3.803E-08	0.0001027
1406 494311.06, 3858401.99	0.06481	0.07223	0.07115	0.06323	0.06195	1.22E-04	6.337E-06	1.255E-07	6.922E-08	1.28E-04	1.49E-04	7.76E-06	1.24E-07	3.87E-08	1.57E-04	1.32E-04	5.973E-06	1.203E-07	4.002E-08	0.0001377
1407 494361.06, 3858401.99	0.06363	0.0708	0.0698	0.06211	0.0609	1.20E-04	6.211E-06	1.2328E-07	6.804E-08	1.26E-04	1.47E-04	7.61E-06	1.22E-07	3.81E-08	1.54E-04	1.29E-04	5.855E-06	1.181E-07	3.934E-08	0.0001352
1408 494411.06, 3858401.99	0.06285	0.06983	0.06891	0.06139	0.06019	1.18E-04	6.126E-06	1.2185E-07	6.725E-08	1.24E-04	1.45E-04	7.51E-06	1.20E-07	3.76E-08	1.52E-04	1.28E-04	5.775E-06	1.168E-07	3.888E-08	0.0001335
1409 494461.06, 3858401.99	0.06248	0.06934	0.06851	0.06109	0.05981	1.17E-04	6.083E-06	1.2125E-07	6.683E-08	1.24E-04	1.44E-04	7.45E-06	1.20E-07	3.74E-08	1.51E-04	1.27E-04	5.734E-06	1.162E-07	3.864E-08	0.0001327
1410 494511.06, 3858401.99	0.06163	0.0683	0.06754	0.0603	0.05904	1.16E-04	5.992E-06	1.1968E-07	6.597E-08	1.22E-04	1.42E-04	7.34E-06	1.18E-07	3.69E-08	1.49E-04	1.25E-04	5.648E-06	1.147E-07	3.814E-08	0.0001309
1411 494561.06, 3858401.99	0.06123	0.06777	0.0671	0.05997	0.05864	1.15E-04	5.945E-06	1.1903E-07	6.552E-08	1.21E-04	1.41E-04	7.29E-06	1.17E-07	3.67E-08	1.48E-04	1.24E-04	5.604E-06	1.141E-07	3.788E-08	0.0001301
1412 494611.06, 3858401.99	0.06037	0.06673	0.06613	0.05916	0.05787	1.13E-04	5.854E-06	1.1742E-07	6.466E-08	1.19E-04	1.39E-04	7.17E-06	1.16E-07	3.62E-08	1.46E-04	1.23E-04	5.518E-06	1.125E-07	3.738E-08	0.0001282
1413 494661.06, 3858401.99	0.05965	0.06579	0.06532	0.05849	0.05722	1.12E-04	5.772E-06	1.1609E-07	6.393E-08	1.18E-04	1.37E-04	7.07E-06	1.15E-07	3.58E-08	1.45E-04	1.21E-04	5.441E-06	1.113E-07	3.696E-08	0.0001267
1414 494711.06, 3858401.99	0.05856	0.06449	0.06408	0.05744	0.05626	1.10E-04	5.658E-06	1.1401E-07	6.286E-08	1.16E-04	1.35E-04	6.93E-06	1.13E-07	3.52E-08	1.42E-04	1.19E-04	5.333E-06	1.093E-07	3.634E-08	0.0001244
1415 494761.06, 3858401.99	0.058	0.06379	0.06346	0.05693	0.05573	1.09E-04	5.596E-06	1.13E-07	6.227E-08	1.15E-04	1.34E-04	6.86E-06	1.12E-07	3.49E-08	1.41E-04	1.18E-04	5.275E-06	1.083E-07	3.6E-08	0.0001232
1416 494811.06, 3858401.99	0.05717	0.06279	0.06252	0.05615	0.055	1.07E-04	5.508E-06	1.1145E-07	6.145E-08	1.13E-04	1.32E-04	6.75E-06	1.10E-07	3.44E-08	1.39E-04	1.16E-04	5.193E-06	1.068E-07	3.553E-08	0.0001214
1417 494861.06, 3858401.99	0.05644	0.0619	0.06164	0.05546	0.05434	1.06E-04	5.43E-06	1.1008E-07	6.071E-08	1.12E-04	1.30E-04	6.65E-06	1.09E-07	3.40E-08	1.37E-04	1.15E-04	5.119E-06	1.055E-07	3.51E-08	0.0001199
1418 494911.06, 3858401.99	0.05573	0.06102	0.06084	0.05479	0.0537	1.05E-04	5.353E-06	1.0875E-07	6E-08	1.10E-04	1.28E-04	6.56E-06	1.07E-07	3.36E-08	1.35E-04	1.13E-04	5.046E-06	1.042E-07	3.469E-08	0.0001183
1419 494961.06, 3858401.99	0.05497	0.06011	0.05999	0.05407	0.05302	1.03E-04	5.273E-06	1.0732E-07	5.924E-08	1.09E-04	1.27E-04	6.46E-06	1.06E-07	3.32E-08	1.33E-04	1.12E-04	4.971E-06	1.029E-07	3.425E-08	0.0001167
1420 495011.06, 3858401.99	0.054	0.05895	0.0589	0.05313	0.05218	1.01E-04	5.171E-06	1.0545E-07	5.83E-08	1.07E-04	1.24E-04	6.34E-06	1.04E-07	3.26E-08	1.31E-04	1.10E-04	4.875E-06	1.011E-07	3.371E-08	0.0001147
1421 495061.06, 3858401.99	0.05326	0.05805	0.05806	0.05242	0.05149	1.00E-04	5.093E-06	1.0404E-07	5.753E-08	1.05E-04	1.23E-04	6.24E-06	1.03E-07	3.22E-08	1.29E-04	1.08E-04	4.801E-06	9.972E-08	3.326E-08	0.0001131
1422 495111.06, 3858401.99	0.05185	0.0564	0.05646	0.05102	0.05026	9.74E-05	4.948E-06	1.0127E-07	5.616E-08	1.03E-04	1.19E-04	6.06E-06	9.99E-08	3.14E-08	1.26E-04	1.05E-04	4.664E-06	9.705E-08	3.247E-08	0.0001101
1423 495161.06, 3858401.99	0.0516	0.05607	0.0562	0.05082	0.05	9.70E-05	4.919E-06	1.0087E-07	5.587E-08	1.02E-04	1.19E-04	6.03E-06	9.96E-08	3.13E-08	1.25E-04	1.05E-04	4.637E-06	9.667E-08	3.23E-08	0.0001095
1424 495211.06, 3858401.99	0.05039	0.05465	0.05484	0.04963	0.04895	9.47E-05	4.794E-06	9.8506E-08	5.469E-08	9.96E-05	1.16E-04	5.87E-06	9.72E-08	3.06E-08	1.22E-04	1.02E-04	4.519E-06	9.441E-08	3.162E-08	0.000107
1425 495261.06, 3858401.99	0.04974	0.05387	0.05411	0.04901	0.04837	9.35E-05	4.726E-06	9.7276E-08	5.404E-08	9.83E-05	1.15E-04	5.79E-06	9.60E-08	3.03E-08	1.20E-04	1.01E-04	4.455E-06	9.323E-08	3.125E-08	0.0001056
1426 495311.06, 3858401.99	0.04906	0.05305	0.05335	0.04836	0.04775	9.22E-05	4.654E-06	9.5986E-08	5.335E-08	9.70E-05	1.13E-04	5.70E-06	9.47E-08	2.99E-08	1.19E-04	9.96E-05	4.387E-06	9.199E-08	3.084E-08	0.0001041
1427 495361.06, 3858401.99	0.04859	0.05248	0.05283	0.04792	0.04733	9.13E-05	4.604E-06	9.5112E-08	5.288E-08	9.61E-05	1.12E-04	5.64E-06	9.39E-08	2.96E-08	1.18E-04	9.87E-05	4.34E-06	9.116E-08	3.057E-08	0.0001031
1428 495411.06, 3858401.99	0.04834	0.05214	0.05256	0.04771	0.04707	9.08E-05	4.574E-06	9.4696E-08	5.259E-08	9.56E-05	1.11E-04	5.61E-06	9.35E-08	2.94E-08	1.17E-04	9.81E-05	4.312E-06	9.076E-08	3.041E-08	0.0001026
1429 495461.06, 3858401.99	0.04817	0.0519	0.05239	0.04759	0.04688	9.05E-05	4.553E-06	9.4457E-08	5.238E-08	9.52E-05	1.11E-04	5.58E-06	9.32E-08	2.93E-08	1.17E-04	9.78E-05	4.292E-06	9.053E-08	3.028E-08	0.0001022
1430 495511.06, 3858401.99	0.04793	0.05158	0.05213	0.04738	0.04664	9.01E-05	4.525E-06	9.4041E-08	5.211E-08	9.47E-05	1.10E-04	5.54E-06	9.28E-08	2.92E-08	1.16E-04	9.73E-05	4.266E-06	9.013E-08	3.013E-08	0.0001017
1431 495561.06, 3858401.99	0.04731	0.05086	0.05147	0.04698	0.04616	8.89E-05	4.462E-06	9.3247E-08	5.158E-08	9.35E-05	1.09E-04	5.47E-06	9.20E-08	2.89E-08	1.15E-04	9.61E-05	4.206E-06	8.937E-08	2.982E-08	0.0001004
1432 495611.06, 3858401.99	0.04708	0.05056	0.05124	0.04683	0.04596	8.85E-05	4.435E-06	9.2949E-08	5.135E-08	9.31E-05	1.08E-04	5.44E-06	9.17E-08	2.87E-08	1.14E-04	9.56E-05	4.181E-06	8.908E-08	2.969E-08	9.989E-05
1433 495661.06, 3858401.99	0.04739	0.05083	0.05157	0.04696	0.04605	8.91E-05	4.459E-06	9.3207E-08	5.145E-08	9.37E-05	1.09E-04	5.46E-06	9.20E-08	2.88E-08	1.15E-04	9.62E-05	4.204E-06	8.933E-08	2.975E-08	0.0001005
1434 494311.06, 3858451.99	0.0661	0.07399	0.07267	0.0644	0.06283	1.24E-04	6.491E-06	1.2782E-07	7.02E-08	1.31E-04	1.52E-04	7.95E-06	1.26E-07	3.93E-08	1.60E-04	1.34E-04	6.119E-06	1.225E-07	4.059E-08	0.0001405
1435 494361.06, 3858451.99	0.06515	0.07283	0.07159	0.06352	0.06197	1.22E-04	6.389E-06	1.2608E-07	6.924E-08	1.29E-04	1.50E-04	7.83E-06	1.24E-07	3.88E-08	1.58E-04	1.32E-04	6.023E-06	1.208E-07	4.003E-08	0.0001385
1436 494411.06, 3858451.99	0.06435	0.07184	0.07068	0.06279	0.06125	1.21E-04	6.302E-06	1.2463E-07	6.844E-08	1.27E-04	1.48E-04	7.72E-06	1.23E-07	3.83E-08	1.56E-04	1.31E-04	5.941E-06	1.194E-07	3.957E-08	0.0001368

1437 494461.06, 3858451.99	0.06365	0.07097	0.06989	0.06217	0.0606	1.20E-04	6.226E-06	1.234E-07	6.771E-08	1.26E-04	1.47E-04	7.63E-06	1.22E-07	3.79E-08	1.54E-04	1.29E-04	5.869E-06	1.183E-07	3.915E-08	0.0001353
1438 494511.06, 3858451.99	0.06323	0.07043	0.06942	0.06182	0.0602	1.19E-04	6.179E-06	1.227E-07	6.726E-08	1.25E-04	1.46E-04	7.57E-06	1.21E-07	3.77E-08	1.53E-04	1.28E-04	5.824E-06	1.176E-07	3.889E-08	0.0001344
1439 494561.06, 3858451.99	0.06234	0.06934	0.0684	0.06098	0.05937	1.17E-04	6.083E-06	1.2103E-07	6.633E-08	1.23E-04	1.44E-04	7.45E-06	1.19E-07	3.71E-08	1.51E-04	1.27E-04	5.734E-06	1.16E-07	3.835E-08	0.0001325
1440 494611.06, 3858451.99	0.06167	0.0685	0.06765	0.06037	0.05876	1.16E-04	6.009E-06	1.1982E-07	6.565E-08	1.22E-04	1.42E-04	7.36E-06	1.18E-07	3.68E-08	1.50E-04	1.25E-04	5.665E-06	1.148E-07	3.796E-08	0.000131
1441 494661.06, 3858451.99	0.06095	0.06761	0.06683	0.05971	0.0581	1.15E-04	5.931E-06	1.1851E-07	6.492E-08	1.21E-04	1.40E-04	7.27E-06	1.17E-07	3.63E-08	1.48E-04	1.24E-04	5.591E-06	1.136E-07	3.753E-08	0.0001295
1442 494711.06, 3858451.99	0.06001	0.06647	0.06576	0.05882	0.05727	1.13E-04	5.831E-06	1.1675E-07	6.399E-08	1.19E-04	1.38E-04	7.15E-06	1.15E-07	3.58E-08	1.45E-04	1.22E-04	5.497E-06	1.119E-07	3.699E-08	0.0001275
1443 494761.06, 3858451.99	0.05906	0.06533	0.06469	0.05792	0.05642	1.11E-04	5.731E-06	1.1496E-07	6.304E-08	1.17E-04	1.36E-04	7.02E-06	1.13E-07	3.53E-08	1.43E-04	1.20E-04	5.403E-06	1.102E-07	3.645E-08	0.0001255
1444 494811.06, 3858451.99	0.05831	0.06441	0.06384	0.05722	0.05575	1.10E-04	5.65E-06	1.1357E-07	6.229E-08	1.15E-04	1.34E-04	6.92E-06	1.12E-07	3.49E-08	1.41E-04	1.18E-04	5.327E-06	1.088E-07	3.601E-08	0.0001239
1445 494861.06, 3858451.99	0.05746	0.06333	0.06288	0.05642	0.055	1.08E-04	5.556E-06	1.1198E-07	6.145E-08	1.14E-04	1.32E-04	6.81E-06	1.11E-07	3.44E-08	1.39E-04	1.17E-04	5.237E-06	1.073E-07	3.553E-08	0.000122
1446 494911.06, 3858451.99	0.05646	0.06214	0.06178	0.05548	0.05401	1.06E-04	5.451E-06	1.1012E-07	6.035E-08	1.12E-04	1.30E-04	6.68E-06	1.09E-07	3.38E-08	1.37E-04	1.15E-04	5.139E-06	1.055E-07	3.489E-08	0.0001199
1447 494961.06, 3858451.99	0.05553	0.06101	0.06069	0.05455	0.05329	1.04E-04	5.352E-06	1.0827E-07	5.954E-08	1.10E-04	1.28E-04	6.56E-06	1.07E-07	3.33E-08	1.35E-04	1.13E-04	5.045E-06	1.038E-07	3.442E-08	0.0001179
1448 495011.06, 3858451.99	0.0545	0.05978	0.05947	0.05356	0.0524	1.02E-04	5.244E-06	1.0631E-07	5.855E-08	1.08E-04	1.26E-04	6.43E-06	1.05E-07	3.28E-08	1.32E-04	1.11E-04	4.944E-06	1.019E-07	3.385E-08	0.0001157
1449 495061.06, 3858451.99	0.05403	0.05919	0.05894	0.05314	0.05196	1.02E-04	5.193E-06	1.0547E-07	5.806E-08	1.07E-04	1.24E-04	6.36E-06	1.04E-07	3.25E-08	1.31E-04	1.10E-04	4.895E-06	1.011E-07	3.356E-08	0.0001147
1450 495111.06, 3858451.99	0.05304	0.05801	0.05783	0.05217	0.0511	9.97E-05	5.089E-06	1.0355E-07	5.709E-08	1.05E-04	1.22E-04	6.24E-06	1.02E-07	3.20E-08	1.29E-04	1.08E-04	4.797E-06	9.924E-08	3.301E-08	0.0001126
1451 495161.06, 3858451.99	0.05193	0.0567	0.05657	0.05108	0.05013	9.76E-05	4.974E-06	1.0138E-07	5.601E-08	1.03E-04	1.20E-04	6.10E-06	1.00E-07	3.14E-08	1.26E-04	1.05E-04	4.689E-06	9.717E-08	3.238E-08	0.0001103
1452 495211.06, 3858451.99	0.05094	0.05553	0.05545	0.05012	0.04924	9.57E-05	4.871E-06	9.9479E-08	5.502E-08	1.01E-04	1.17E-04	5.97E-06	9.82E-08	3.08E-08	1.23E-04	1.03E-04	4.592E-06	9.534E-08	3.181E-08	0.0001081
1453 495261.06, 3858451.99	0.0503	0.05475	0.05474	0.04952	0.04867	9.45E-05	4.803E-06	9.8288E-08	5.438E-08	9.95E-05	1.16E-04	5.89E-06	9.70E-08	3.04E-08	1.22E-04	1.02E-04	4.528E-06	9.42E-08	3.144E-08	0.0001068
1454 495311.06, 3858451.99	0.04978	0.05411	0.05417	0.04903	0.04818	9.35E-05	4.747E-06	9.7315E-08	5.383E-08	9.84E-05	1.15E-04	5.82E-06	9.60E-08	3.01E-08	1.21E-04	1.01E-04	4.475E-06	9.327E-08	3.112E-08	0.0001057
1455 495361.06, 3858451.99	0.04935	0.05357	0.05369	0.04864	0.04778	9.27E-05	4.7E-06	9.6541E-08	5.339E-08	9.76E-05	1.14E-04	5.76E-06	9.53E-08	2.99E-08	1.20E-04	1.00E-04	4.43E-06	9.253E-08	3.086E-08	0.0001048
1456 495411.06, 3858451.99	0.04915	0.05329	0.05349	0.04849	0.04757	9.24E-05	4.675E-06	9.6244E-08	5.315E-08	9.72E-05	1.13E-04	5.73E-06	9.50E-08	2.98E-08	1.19E-04	9.98E-05	4.407E-06	9.224E-08	3.073E-08	0.0001043
1457 495461.06, 3858451.99	0.04901	0.05308	0.05334	0.04839	0.0474	9.21E-05	4.657E-06	9.6045E-08	5.296E-08	9.69E-05	1.13E-04	5.71E-06	9.48E-08	2.96E-08	1.19E-04	9.95E-05	4.39E-06	9.205E-08	3.062E-08	0.000104
1458 495511.06, 3858451.99	0.04849	0.05245	0.05277	0.04791	0.04694	9.11E-05	4.601E-06	9.5092E-08	5.245E-08	9.59E-05	1.12E-04	5.64E-06	9.39E-08	2.94E-08	1.17E-04	9.85E-05	4.338E-06	9.114E-08	3.032E-08	0.0001029
1459 495561.06, 3858451.99	0.04856	0.05247	0.05287	0.04802	0.04695	9.13E-05	4.603E-06	9.5311E-08	5.246E-08	9.60E-05	1.12E-04	5.64E-06	9.41E-08	2.94E-08	1.18E-04	9.86E-05	4.339E-06	9.135E-08	3.033E-08	0.0001031
1460 495611.06, 3858451.99	0.04793	0.05171	0.05216	0.04742	0.04639	9.01E-05	4.536E-06	9.412E-08	5.183E-08	9.48E-05	1.10E-04	5.56E-06	9.29E-08	2.90E-08	1.16E-04	9.73E-05	4.276E-06	9.02E-08	2.997E-08	0.0001017
1461 495661.06, 3858451.99	0.04786	0.05158	0.0521	0.04739	0.04629	8.99E-05	4.525E-06	9.406E-08	5.172E-08	9.46E-05	1.10E-04	5.54E-06	9.28E-08	2.90E-08	1.16E-04	9.72E-05	4.266E-06	9.015E-08	2.99E-08	0.0001016
1462 494311.06, 3858501.99	0.06621	0.07434	0.07281	0.06436	0.06271	1.24E-04	6.522E-06	1.2774E-07	7.007E-08	1.31E-04	1.52E-04	7.99E-06	1.26E-07	3.92E-08	1.61E-04	1.34E-04	6.148E-06	1.224E-07	4.051E-08	0.0001407
1463 494361.06, 3858501.99	0.06559	0.07356	0.07212	0.06382	0.06214	1.23E-04	6.453E-06	1.2667E-07	6.943E-08	1.30E-04	1.51E-04	7.91E-06	1.25E-07	3.89E-08	1.59E-04	1.33E-04	6.083E-06	1.214E-07	4.014E-08	0.0001394
1464 494411.06, 3858501.99	0.06487	0.07268	0.0713	0.06318	0.06148	1.22E-04	6.376E-06	1.254E-07	6.869E-08	1.28E-04	1.49E-04	7.81E-06	1.24E-07	3.85E-08	1.57E-04	1.32E-04	6.011E-06	1.202E-07	3.971E-08	0.0001379
1465 494461.06, 3858501.99	0.06442	0.0721	0.0708	0.06281	0.06105	1.21E-04	6.325E-06	1.2467E-07	6.821E-08	1.28E-04	1.48E-04	7.75E-06	1.23E-07	3.82E-08	1.56E-04	1.31E-04	5.963E-06	1.195E-07	3.944E-08	0.0001369
1466 494511.06, 3858501.99	0.06345	0.07092	0.06969	0.0619	0.06018	1.19E-04	6.222E-06	1.2286E-07	6.724E-08	1.26E-04	1.46E-04	7.62E-06	1.21E-07	3.76E-08	1.54E-04	1.29E-04	5.865E-06	1.177E-07	3.887E-08	0.0001348
1467 494561.06, 3858501.99	0.06352	0.07096	0.0698	0.06206	0.06019	1.19E-04	6.225E-06	1.2318E-07	6.725E-08	1.26E-04	1.46E-04	7.63E-06	1.22E-07	3.76E-08	1.54E-04	1.29E-04	5.868E-06	1.181E-07	3.888E-08	0.000135
1468 494611.06, 3858501.99	0.06269	0.06995	0.06886	0.06129	0.05944	1.18E-04	6.136E-06	1.2165E-07	6.641E-08	1.24E-04	1.44E-04	7.52E-06	1.20E-07	3.72E-08	1.52E-04	1.27E-04	5.785E-06	1.166E-07	3.84E-08	0.0001332
1469 494661.06, 3858501.99	0.06215	0.06927	0.06825	0.06082	0.05894	1.17E-04	6.077E-06	1.2072E-07	6.585E-08	1.23E-04	1.43E-04	7.45E-06	1.19E-07	3.69E-08	1.51E-04	1.26E-04	5.729E-06	1.157E-07	3.807E-08	0.0001321
1470 494711.06, 3858501.99	0.06119	0.06811	0.06716	0.05992	0.05809	1.15E-04	5.975E-06	1.1893E-07	6.49E-08	1.21E-04	1.41E-04	7.32E-06	1.17E-07	3.63E-08	1.48E-04	1.24E-04	5.633E-06	1.14E-07	3.752E-08	0.00013
1471 494761.06, 3858501.99	0.06011	0.0668	0.06592	0.05888	0.05711	1.13E-04	5.86E-06	1.1687E-07	6.381E-08	1.19E-04	1.38E-04	7.18E-06	1.15E-07	3.57E-08	1.46E-04	1.22E-04	5.524E-06	1.12E-07	3.689E-08	0.0001277
1472 494811.06, 3858501.99	0.05911	0.06559	0.06478	0.05793	0.05623	1.11E-04	5.754E-06	1.1498E-07	6.283E-08	1.17E-04	1.36E-04	7.05E-06	1.13E-07	3.52E-08	1.43E-04	1.20E-04	5.424E-06	1.102E-07	3.632E-08	0.0001256
1473 494861.06, 3858501.99	0.05842	0.06474	0.064	0.0573	0.05561	1.10E-04	5.679E-06	1.1373E-07	6.213E-08	1.16E-04	1.35E-04	6.96E-06	1.12E-07	3.48E-08	1.42E-04	1.19E-04	5.354E-06	1.09E-07	3.592E-08	0.0001241
1474 494911.06, 3858501.99	0.05706	0.06312	0.06244	0.05597	0.05443	1.07E-04	5.537E-06	1.1109E-07	6.082E-08	1.13E-04	1.31E-04	6.79E-06	1.10E-07	3.40E-08	1.38E-04	1.16E-04	5.22E-06	1.065E-07	3.516E-08	0.0001212
1475 494961.06, 3858501.99	0.05637	0.06223	0.06167	0.05533	0.05381	1.06E-04	5.459E-06	1.0982E-07	6.012E-08	1.12E-04	1.30E-04	6.69E-06	1.08E-07	3.37E-08	1.37E-04	1.14E-04	5.146E-06	1.053E-07	3.476E-08	0.0001197
1476 495011.06, 3858501.99	0.05521	0.06085	0.06035	0.05421	0.05281	1.04E-04	5.338E-06	1.076E-07	5.901E-08	1.09E-04	1.27E-04	6.54E-06	1.06E-07	3.30E-08	1.34E-04	1.12E-04	5.032E-06	1.031E-07	3.411E-08	0.0001173
1477 495061.06, 3858501.99	0.05473	0.06025	0.05982	0.05377	0.05236	1.03E-04	5.286E-06	1.0672E-07	5.85E-08	1.08E-04	1.26E-04	6.48E-06	1.05E-07	3.27E-08	1.33E-04	1.11E-04	4.983E-06	1.023E-07	3.382E-08	0.0001162
1478 495111.06, 3858501.99	0.0533	0.05856	0.05813	0.05236	0.05114	1.00E-04	5.137E-06	1.0392E-07	5.714E-08	1.05E-04	1.23E-04	6.30E-06	1.03E-07	3.20E-08	1.29E-04	1.08E-04	4.843E-06	9.96E-08	3.303E-08	0.0001132
1479 495161.06, 3858501.99	0.05239	0.05748	0.0571	0.05148	0.05035	9.85E-05	5.043E-06	1.0218E-07	5.626E-08	1.04E-04	1.21E-04	6.18E-06	1.01E-07	3.15E-08	1.27E-04	1.06E-04	4.754E-06	9.793E-08	3.252E-08	0.0001113
1480 495211.06, 3858501.99	0.05151	0.05642	0.05611	0.05063	0.04959	9.68E-05	4.95E-06	1.0049E-07	5.541E-08	1.02E-04	1.19E-04	6.07E-06	9.92E-08	3.10E-08	1.25E-04	1.05E-04	4.666E-06	9.631E-08	3.203E-08	0.0001094
1481 495261.06, 3858501.99	0.05089	0.05567	0.05542	0.05005	0.04901	9.56E-05	4.884E-06	9.934E-08	5.476E-08	1.01E-04	1.17E-04	5.98E-06	9.80E-08	3.07E-08	1.23E-04	1.03E-04	4.604E-06	9.521E-08	3.166E-08	0.0001081
1482 495311.06, 3858501.99	0.05053	0.05522	0.05503	0.04974	0.04867	9.50E-05	4.844E-06	9.8725E-08	5.438E-08	1.00E-04	1.16E-04	5.94E-06	9.74E-08	3.04E-08	1.22E-04	1.03E-04	4.567E-06	9.462E-08	3.144E-08	0.0001073
1483 495361.06, 3858501.99	0.0502	0.05479	0.05467	0.04945	0.04836	9.43E-05	4.807E-06	9.8149E-08	5.403E-08	9.93E-05	1.16E-04	5.89E-06	9.69E-08	3.02E-08	1.22E-04	1.02E-04	4.531E-06	9.407E-08	3.124E-08	0.0001066
1484 495411.06, 3858501.99	0.04998	0.05448	0.05443	0.04927	0.04813	9.39E-05	4.779E-06	9.7792E-08	5.378E-08	9.89E-05	1.15E-04	5.86E-06	9.65E-08	3.01E-08	1.21E-04	1.01E-04	4.505E-06	9.372E-08	3.109E-08	0.0001061
1485 495461.06, 3858501.99	0.04977	0.05419	0.05421	0.0491	0.04791	9.35E-05	4.754E-06	9.7454E-08	5.353E-08	9.84E-05	1.15E-04	5.83E-06	9.62E-08	3.00E-08	1.21E-04	1.01E-04	4.481E-06	9.34E-08	3.095E-08	0.0001057
1486 495511.06, 3858501.99	0.04943	0.05376	0.05385	0.04881	0.04757	9.29E-05	4.716E-06	9.6879E-08	5.315E-08	9.78E-05	1.14E-04	5.78E-06	9.56E-08	2.98E-08	1.20E-04	1.00E-04	4.446E-06	9.285E-08	3.073E-08	0.0001049
1487 495561.06, 3858501.99	0.04948	0.05375	0.05391	0.04891	0.04759	9.30E-05	4.715E-06	9.7077E-08	5.317E-08	9.78E-05	1.14E-04	5.78E-06	9.58E-08	2.98E-08	1.20E-04	1.00E-04	4.445E-06	9.304E-08	3.074E-08	0.000105
1488 495611.06, 3858501.99	0.04891	0.05307	0.05332	0.0486	0.04717	9.19E-05	4.656E-06	9.6462E-08	5.27E-08	9.67E-05	1.13E-04	5.71E-06	9.52E-08	2.95E-08	1.18E-04	9.93E-05	4.389E-06	9.245E-08	3.047E-08	0.0001038
1489 495661.06, 3858501.99	0.04886	0.05296	0.05325	0.04837	0.04697	9.18E-05	4.646E-06	9.6006E-08	5.248E-08	9.66E-05	1.13E-04	5.69E-06	9.48E-08	2.94E-08	1.18E-04	9.92E-05	4.38E-06	9.201E-08	3.034E-08	0.0001037
1490 494311.06, 3858551.99	0.065	0.07312	0.07152	0.06329	0.06154	1.22E-04	6.415E-06	1.2562E-07	6.876E-08	1.29E-04	1.50E-04	7.86E-06	1.24E-07	3.85E-08	1.58E-04	1.32E-04	6.047E-06	1.204E-07	3.975E-08	0.0001382
1491 494361.06, 3858551.99	0.0654	0.07356	0.07202	0.06378	0.06182	1.23E-04	6.453E-06	1.2659E-07	6.907E-08	1.30E-04	1.51E-04	7.91E-06	1.25E-07	3.87E-08	1.59E-04	1.33E-04	6.083E-06	1.213E-07	3.993E-08	0.000139
1492 494411.06, 3858551.99	0.06578	0.07393	0.07239	0.06395	0.06206	1.24E-04	6.486E-06	1.2693E-07	6.934E-08	1.30E-04	1.51E-04	7.95E-06	1.25E-07	3.88E-08	1.60E-04	1.34E-04	6.114E-06	1.216E-07	4.009E-08	0.0001398
1493 494461.06, 3858551.99	0.06558	0.07367	0.07219	0.06384	0.06185	1.23E-04	6.463E-06	1.2671E-07	6.911E-08	1.30E-04	1.51E-04	7.92E-06	1.25E-07	3.87E-08	1.59E-04	1.33E-04	6.092E-06	1.214E-07	3.995E-08	0.0001394
1494 494511.06, 3858551.99	0.06504	0.073	0.07159	0.06338	0.06135	1.22E-04	6.404E-06	1.258E-07	6.855E-08	1.29E-04	1.50E-04	7.85E-06	1.24E-07	3.84E-08	1.58E-04	1.32E-04	6.037E-06	1.206E-07	3.963E-08	0.0001383
1495 494561.06, 3858551.99	0.0646	0.07245	0.0711	0.06302	0.06093	1.21E-04	6.356E-06	1.2508E-07	6.808E-08	1.28E-04	1.49E-04	7.79E-06	1.23E-07	3.81E-08	1.57E-04	1.31E-04	5.992E-06	1.199E-07	3.936E-08	0.0001373
1496 494611.06, 3858551.99	0.06394	0.07163	0.07035	0.06243	0.06032	1.20E-04	6.284E-06	1.2391E-07	6.74E-08	1.27E-04	1.47E-04	7.70E-06	1.22E-07	3.77E-08	1.55E-04	1.30E-04	5.924E-06	1.188E-07	3.896E-08	0.0001359
1497 494661.06, 3858551.99	0.06336	0.07091	0.0697	0.06192	0.05979	1.19E-04	6.221E-06	1.229E-07	6.68E-08	1.25E-04	1.46E-04	7.62E-06	1.21E-07	3.74E-08	1.54E-04	1.29E-04	5.864E-06	1.178E-07	3.862E-08	0.0001347
1498 494711.06, 3858551.99	0.06229	0.06961	0.06846	0.06091	0.05883	1.17E-04	6.107E-06	1.209E-07	6.573E-08	1.23E-04	1.43E-04	7.48E-06	1.19E-07	3.68E-08	1.51E-04	1.26E-04	5.757E-06	1.159E-07	3.8E-08	0.0001324
1499 494761.06, 3858551.99	0.06123	0.06834	0.06726	0.05991	0.0579	1.15E-04	5.995E-06	1.1891E-07	6.469E-08	1.21E-04	1.41E-04	7.35E-06	1.17E-07	3.62E-08	1.49E-04	1.24E-04	5.652E-06	1.14E-07	3.74E-08	0.0001301
1500 494811.06, 3858551.99	0.06042	0.06734	0.06633	0.05915	0.05717	1.14E-04	5.908E-06	1.174E-07	6.388E-08	1.20E-04	1.39E-04	7.24E-06	1.16E-07	3.58E-08	1.47E-04	1.23E-04	5.569E-06	1.125E-07	3.693E-08	0.0001284
1501 494861.06, 3858551.99	0.05936	0.06607	0.06512	0.05815	0.05624	1.12E-04	5.796E-06	1.1542E-07	6.284E-08	1.18E-04	1.37E-04	7.10E-06	1.14E-07	3.52E-08	1.44E-04	1.21E-04	5.464E-06	1.106E-07	3.633E-08	0.0001261
1502 494911.06, 3858551.99	0.05816	0.06464	0.06375	0.057	0.05518	1.09E-04	5.671E-06	1.1313E-07	6.165E-08	1.15E-04	1.34E-04	6.95E-06	1.12E-07	3.45E-08	1.41E-04	1.18E-04	5.346E-06	1.084E-07	3.564E-08	0.0001236
1503 494961.06, 3858551.99	0.05722	0.0635	0.06267	0.0561	0.05435	1.08E-04	5.571E-06	1.1135E-07	6.073E-08	1.13E-04	1.32E-04	6.83E-06	1.10E-07	3.40E-08	1.39E-04	1.16E-04	5.251E-06	1.067E-07	3.511E-08	0.0001216
1504 495011.06, 3858551.99	0.05601	0.06206	0.06129	0.05493	0.0533	1.05E-04	5.444E-06	1.0903E-07	5.955E-08	1.11E-04	1.29E-04	6.67E-06	1.08E-07	3.33E-08	1.36E-04	1.14E-04	5.132E-06	1.045E-07	3.443E-08	0.000119
1505 495061.06, 3858551.99	0.05529	0.06112	0.06047	0.05425	0.05265	1.04E-04	5.362E-06	1.0768E-07	5.883E-08	1.09E-04	1.27E-04	6.57E-06	1.06E-07	3.29E-08	1.34E-04	1.12E-04	5.055E-06	1.032E-07	3.401E-08	0.0001175
1506 495111.06, 3858551.99	0.05385	0.05944	0.05884	0.05285	0.05143	1.01E-04	5.214E-06	1.049E-07	5.746E-08	1.07E-04	1.24E-04	6.39E-06	1.04E-07	3.22E-08	1.31E-04	1.09E-04	4.916E-06	1.005E-07	3.322E-08	0.0001144
1507 495161.06, 3858551.99	0.05294	0.05834	0.05781	0.05196	0.05063	9.95E-05	5.118E-06	1.0313E-07	5.657E-08	1.05E-04	1.22E-04	6.27E-06	1.02E-07	3.17E-08	1.28E-04	1.07E-04	4.825E-06	9.884E-08	3.271E-08	0.0001124
1508 495211.06, 3858551.99	0.05214	0.05738	0.05685	0.0512	0.04994	9.80E-05	5.034E-06	1.0162E-07	5.58E-08	1.03E-04	1.20E-04	6.17E-06	1.00E-07	3.12E-08	1.26E-04	1.06E-04	4.745E-06	9.74E-08	3.226E-08	0.0001107
1509 495261.06, 3858551.99	0.05158	0.05671	0.05623	0.05069	0.04944	9.69E-05	4.975E-06	1.0061E-07	5.524E-08	1.02E-04	1.19E-04	6.10E-06	9.93E-08	3.09E-08	1.25E-04	1.05E-04	4.69E-06	9.643E-08	3.194E-08	0.0001095
1510 495311.06, 3858551.99	0.05132	0.05635	0.05594	0.05047	0.04917	9.64E-05	4.943E-06	1.0017E-07	5.494E-08	1.02E-04	1.18E-04	6.06E-06	9.89E-08	3.08E-08	1.24E-04	1.04E-04	4.66E-06	9.601E-08	3.176E-08	0.000109
1511 495361.06, 3858551.99	0.05099	0.05593	0.05558	0.05019	0.04886	9.58E-05	4.907E-06	9.9618E-08	5.459E-08	1.01E-04	1.17E-04	6.01E-06	9.83E-08	3.06E-08	1.24E-04	1.04E-04	4.625E-06	9.547E-08	3.156E-08	0.0001083
1512 495411.06, 3858551.99	0.05085	0.05572	0.05544	0.05009	0.0487	9.56E-05	4.888E-06	9.9419E-08	5.441E-08	1.01E-04	1.17E-04	5.99E-06	9.81E-08	3.05E-08	1.23E-04	1.03E-04	4.608E-06	9.528E-08	3.146E-08	0.000108
1513 495461.06, 3858551.99	0.05058	0.05537	0.05515	0.04987	0.04844	9.51E-05	4.857E-06	9.8983E-08	5.412E-08	1.00E-04	1.16E-04	5.95E-06	9.77E-08	3.03E-08	1.23E-04	1.03E-04	4.579E-06	9.487E-08	3.129E-08	0.0001074
1514 495511.06, 3858551.99	0.05046	0.05518	0.05503	0.0498	0.0483	9.48E-05	4.841E-06	9.8844E-08	5.397E-08	9.98E-05	1.16E-04	5.93E-06	9.76E-08	3.02E-08	1.22E-04	1.02E-04	4.563E-06	9.473E-08	3.12E-08	0.0001071
1515 495561.06, 3858551.99	0.05019	0.05483	0.05474	0.04958	0.04804	9.43E-05	4.81E-06	9.8407E-08	5.368E-08	9.93E-05	1.16E-04	5.89E-06	9.71E-08	3.00E-08	1.22E-04	1.02E-04	4.534E-06	9.431E-08	3.103E-08	0.0001066
1516 495611.06, 3858551.99	0.04986	0.05439	0.05437	0.04928	0.04772	9.37E-05	4.771E-06	9.7812E-08	5.332E-08	9.86E-05	1.15E-04	5.85E-06	9.65E-08	2.98E-08	1.21E-04	1.01E-04	4.498E-06	9.374E-08	3.083E-08	0.0001059

1517 495661.06, 3858551.99	0.04947	0.0539	0.05395	0.04893	0.04737	9.30E-05	4.728E-06	9.7117E-08	5.293E-08	9.78E-05	1.14E-04	5.79E-06	9.59E-08	2.96E-08	1.20E-04	1.00E-04	4.457E-06	9.308E-08	3.06E-08	0.000105
1518 494311.06, 3858601.99	0.06162	0.06924	0.06749	0.05943	0.05851	1.16E-04	6.074E-06	1.1796E-07	6.537E-08	1.22E-04	1.42E-04	7.44E-06	1.16E-07	3.66E-08	1.49E-04	1.25E-04	5.726E-06	1.131E-07	3.78E-08	0.000131
1519 494361.06, 3858601.99	0.06479	0.07299	0.07134	0.06301	0.06116	1.22E-04	6.403E-06	1.2506E-07	6.833E-08	1.28E-04	1.49E-04	7.85E-06	1.23E-07	3.83E-08	1.57E-04	1.32E-04	6.036E-06	1.199E-07	3.951E-08	0.0001377
1520 494411.06, 3858601.99	0.06706	0.07561	0.07393	0.06509	0.06304	1.26E-04	6.633E-06	1.2919E-07	7.044E-08	1.33E-04	1.54E-04	8.13E-06	1.28E-07	3.94E-08	1.63E-04	1.36E-04	6.253E-06	1.238E-07	4.072E-08	0.0001426
1521 494461.06, 3858601.99	0.06682	0.0753	0.07368	0.06494	0.0628	1.26E-04	6.606E-06	1.2889E-07	7.017E-08	1.32E-04	1.54E-04	8.09E-06	1.27E-07	3.93E-08	1.62E-04	1.36E-04	6.227E-06	1.235E-07	4.057E-08	0.0001421
1522 494511.06, 3858601.99	0.066	0.07433	0.07281	0.06425	0.06187	1.24E-04	6.521E-06	1.2752E-07	6.913E-08	1.31E-04	1.52E-04	7.99E-06	1.26E-07	3.87E-08	1.60E-04	1.34E-04	6.147E-06	1.222E-07	3.997E-08	0.0001403
1523 494561.06, 3858601.99	0.06597	0.07424	0.07275	0.06426	0.062	1.24E-04	6.513E-06	1.2754E-07	6.927E-08	1.31E-04	1.52E-04	7.98E-06	1.26E-07	3.88E-08	1.60E-04	1.34E-04	6.14E-06	1.222E-07	4.005E-08	0.0001402
1524 494611.06, 3858601.99	0.06508	0.07315	0.07172	0.06344	0.06119	1.22E-04	6.417E-06	1.2592E-07	6.837E-08	1.29E-04	1.50E-04	7.86E-06	1.24E-07	3.83E-08	1.58E-04	1.32E-04	6.049E-06	1.207E-07	3.953E-08	0.0001383
1525 494661.06, 3858601.99	0.06442	0.07235	0.07098	0.06287	0.06059	1.21E-04	6.347E-06	1.2479E-07	6.77E-08	1.28E-04	1.48E-04	7.78E-06	1.23E-07	3.79E-08	1.56E-04	1.31E-04	5.983E-06	1.196E-07	3.914E-08	0.0001369
1526 494711.06, 3858601.99	0.06342	0.07114	0.06983	0.06193	0.05965	1.19E-04	6.241E-06	1.2292E-07	6.665E-08	1.26E-04	1.46E-04	7.65E-06	1.21E-07	3.73E-08	1.54E-04	1.29E-04	5.883E-06	1.178E-07	3.853E-08	0.0001348
1527 494761.06, 3858601.99	0.06243	0.06993	0.06869	0.061	0.05876	1.17E-04	6.135E-06	1.2107E-07	6.565E-08	1.24E-04	1.44E-04	7.52E-06	1.19E-07	3.68E-08	1.51E-04	1.27E-04	5.783E-06	1.16E-07	3.796E-08	0.0001327
1528 494811.06, 3858601.99	0.06095	0.06817	0.06699	0.05959	0.05747	1.15E-04	5.98E-06	1.1828E-07	6.421E-08	1.21E-04	1.40E-04	7.33E-06	1.17E-07	3.59E-08	1.48E-04	1.24E-04	5.638E-06	1.134E-07	3.712E-08	0.0001295
1529 494861.06, 3858601.99	0.06016	0.06721	0.06609	0.05886	0.05676	1.13E-04	5.896E-06	1.1683E-07	6.342E-08	1.19E-04	1.39E-04	7.23E-06	1.15E-07	3.55E-08	1.46E-04	1.22E-04	5.558E-06	1.12E-07	3.667E-08	0.0001279
1530 494911.06, 3858601.99	0.0588	0.06558	0.06452	0.05754	0.05557	1.10E-04	5.753E-06	1.1421E-07	6.209E-08	1.16E-04	1.35E-04	7.05E-06	1.13E-07	3.48E-08	1.43E-04	1.19E-04	5.423E-06	1.095E-07	3.59E-08	0.000125
1531 494961.06, 3858601.99	0.05784	0.06444	0.06344	0.05664	0.05471	1.09E-04	5.653E-06	1.1242E-07	6.113E-08	1.15E-04	1.33E-04	6.93E-06	1.11E-07	3.42E-08	1.40E-04	1.17E-04	5.329E-06	1.077E-07	3.534E-08	0.0001229
1532 495011.06, 3858601.99	0.05685	0.06325	0.0623	0.0557	0.05384	1.07E-04	5.549E-06	1.1055E-07	6.016E-08	1.13E-04	1.31E-04	6.80E-06	1.09E-07	3.37E-08	1.38E-04	1.15E-04	5.231E-06	1.06E-07	3.478E-08	0.0001208
1533 495061.06, 3858601.99	0.05582	0.06201	0.06112	0.05471	0.05294	1.05E-04	5.44E-06	1.0859E-07	5.915E-08	1.11E-04	1.29E-04	6.67E-06	1.07E-07	3.31E-08	1.35E-04	1.13E-04	5.128E-06	1.041E-07	3.42E-08	0.0001186
1534 495111.06, 3858601.99	0.05429	0.06021	0.05937	0.05321	0.05164	1.02E-04	5.282E-06	1.0561E-07	5.77E-08	1.07E-04	1.25E-04	6.47E-06	1.04E-07	3.23E-08	1.32E-04	1.10E-04	4.979E-06	1.012E-07	3.336E-08	0.0001153
1535 495161.06, 3858601.99	0.05349	0.05919	0.05847	0.05245	0.05094	1.01E-04	5.193E-06	1.041E-07	5.692E-08	1.06E-04	1.23E-04	6.36E-06	1.03E-07	3.19E-08	1.30E-04	1.09E-04	4.895E-06	9.977E-08	3.291E-08	0.0001136
1536 495211.06, 3858601.99	0.05297	0.05856	0.05789	0.05198	0.05047	9.95E-05	5.137E-06	1.0317E-07	5.639E-08	1.05E-04	1.22E-04	6.30E-06	1.02E-07	3.16E-08	1.28E-04	1.08E-04	4.843E-06	9.888E-08	3.26E-08	0.0001125
1537 495261.06, 3858601.99	0.05238	0.05784	0.05723	0.05143	0.04993	9.84E-05	5.074E-06	1.0208E-07	5.579E-08	1.04E-04	1.21E-04	6.22E-06	1.01E-07	3.12E-08	1.27E-04	1.06E-04	4.783E-06	9.783E-08	3.225E-08	0.0001113
1538 495311.06, 3858601.99	0.05195	0.05731	0.05675	0.05105	0.04954	9.76E-05	5.028E-06	1.0132E-07	5.535E-08	1.03E-04	1.20E-04	6.16E-06	1.00E-07	3.10E-08	1.26E-04	1.05E-04	4.739E-06	9.711E-08	3.2E-08	0.0001103
1539 495361.06, 3858601.99	0.05172	0.05699	0.0565	0.05086	0.0493	9.72E-05	5E-06	1.0095E-07	5.508E-08	1.02E-04	1.19E-04	6.13E-06	9.96E-08	3.08E-08	1.25E-04	1.05E-04	4.713E-06	9.675E-08	3.185E-08	0.0001099
1540 495411.06, 3858601.99	0.05148	0.05668	0.05625	0.05068	0.04907	9.67E-05	4.972E-06	1.0059E-07	5.483E-08	1.02E-04	1.19E-04	6.09E-06	9.93E-08	3.07E-08	1.25E-04	1.05E-04	4.687E-06	9.641E-08	3.17E-08	0.0001093
1541 495461.06, 3858601.99	0.0513	0.05643	0.05606	0.05055	0.04888	9.64E-05	4.95E-06	1.0033E-07	5.461E-08	1.02E-04	1.18E-04	6.07E-06	9.90E-08	3.06E-08	1.24E-04	1.04E-04	4.667E-06	9.616E-08	3.157E-08	0.000109
1542 495511.06, 3858601.99	0.05086	0.05588	0.05557	0.05014	0.04848	9.56E-05	4.902E-06	9.9519E-08	5.417E-08	1.01E-04	1.17E-04	6.01E-06	9.82E-08	3.03E-08	1.23E-04	1.03E-04	4.621E-06	9.538E-08	3.132E-08	0.000108
1543 495561.06, 3858601.99	0.0508	0.05576	0.05551	0.05013	0.04838	9.55E-05	4.892E-06	9.9499E-08	5.406E-08	1.01E-04	1.17E-04	5.99E-06	9.82E-08	3.03E-08	1.23E-04	1.03E-04	4.611E-06	9.536E-08	3.125E-08	0.0001079
1544 495611.06, 3858601.99	0.05027	0.05511	0.05486	0.04963	0.04791	9.45E-05	4.835E-06	9.8506E-08	5.353E-08	9.95E-05	1.16E-04	5.92E-06	9.72E-08	3.00E-08	1.22E-04	1.02E-04	4.558E-06	9.441E-08	3.095E-08	0.0001068
1545 495661.06, 3858601.99	0.05013	0.0549	0.05472	0.04954	0.04776	9.42E-05	4.816E-06	9.8328E-08	5.336E-08	9.92E-05	1.15E-04	5.90E-06	9.70E-08	2.99E-08	1.21E-04	1.02E-04	4.54E-06	9.424E-08	3.085E-08	0.0001064
1546 494311.06, 3858651.99	0.06088	0.06848	0.06665	0.05853	0.0577	1.14E-04	6.008E-06	1.1617E-07	6.447E-08	1.21E-04	1.40E-04	7.36E-06	1.15E-07	3.61E-08	1.48E-04	1.24E-04	5.663E-06	1.113E-07	3.727E-08	0.0001294
1547 494361.06, 3858651.99	0.06397	0.07214	0.07039	0.06202	0.06029	1.20E-04	6.329E-06	1.231E-07	6.736E-08	1.27E-04	1.47E-04	7.76E-06	1.21E-07	3.77E-08	1.55E-04	1.30E-04	5.966E-06	1.18E-07	3.895E-08	0.000136
1548 494411.06, 3858651.99	0.06748	0.07629	0.07455	0.0656	0.06326	1.27E-04	6.693E-06	1.302E-07	7.068E-08	1.34E-04	1.55E-04	8.20E-06	1.29E-07	3.96E-08	1.64E-04	1.37E-04	6.309E-06	1.248E-07	4.086E-08	0.0001435
1549 494461.06, 3858651.99	0.06775	0.07654	0.07479	0.0657	0.06349	1.27E-04	6.715E-06	1.304E-07	7.094E-08	1.34E-04	1.56E-04	8.23E-06	1.29E-07	3.97E-08	1.64E-04	1.38E-04	6.33E-06	1.25E-07	4.101E-08	0.0001441
1550 494511.06, 3858651.99	0.0672	0.07586	0.07418	0.06524	0.06298	1.26E-04	6.655E-06	1.2949E-07	7.037E-08	1.33E-04	1.55E-04	8.16E-06	1.28E-07	3.94E-08	1.63E-04	1.36E-04	6.274E-06	1.241E-07	4.068E-08	0.0001429
1551 494561.06, 3858651.99	0.06684	0.07541	0.07379	0.06497	0.06264	1.26E-04	6.615E-06	1.2895E-07	6.999E-08	1.32E-04	1.54E-04	8.11E-06	1.27E-07	3.92E-08	1.62E-04	1.36E-04	6.236E-06	1.236E-07	4.046E-08	0.0001421
1552 494611.06, 3858651.99	0.0663	0.07475	0.07319	0.06452	0.06215	1.25E-04	6.558E-06	1.2806E-07	6.944E-08	1.31E-04	1.53E-04	8.04E-06	1.26E-07	3.89E-08	1.61E-04	1.35E-04	6.182E-06	1.227E-07	4.015E-08	0.000141
1553 494661.06, 3858651.99	0.06547	0.07374	0.07224	0.06377	0.06139	1.23E-04	6.469E-06	1.2657E-07	6.859E-08	1.30E-04	1.51E-04	7.93E-06	1.25E-07	3.84E-08	1.59E-04	1.33E-04	6.098E-06	1.213E-07	3.966E-08	0.0001392
1554 494711.06, 3858651.99	0.06433	0.07236	0.07093	0.06271	0.06035	1.21E-04	6.348E-06	1.2447E-07	6.743E-08	1.27E-04	1.48E-04	7.78E-06	1.23E-07	3.77E-08	1.56E-04	1.31E-04	5.984E-06	1.193E-07	3.898E-08	0.0001368
1555 494761.06, 3858651.99	0.06344	0.07129	0.06992	0.0619	0.05955	1.19E-04	6.254E-06	1.2286E-07	6.654E-08	1.26E-04	1.46E-04	7.66E-06	1.21E-07	3.72E-08	1.54E-04	1.29E-04	5.896E-06	1.177E-07	3.847E-08	0.0001349
1556 494811.06, 3858651.99	0.06212	0.06971	0.0684	0.06065	0.05837	1.17E-04	6.115E-06	1.2038E-07	6.522E-08	1.23E-04	1.43E-04	7.49E-06	1.19E-07	3.65E-08	1.51E-04	1.26E-04	5.765E-06	1.154E-07	3.771E-08	0.000132
1557 494861.06, 3858651.99	0.06092	0.06827	0.06702	0.05952	0.05727	1.14E-04	5.989E-06	1.1814E-07	6.399E-08	1.21E-04	1.40E-04	7.34E-06	1.17E-07	3.58E-08	1.48E-04	1.24E-04	5.646E-06	1.132E-07	3.699E-08	0.0001295
1558 494911.06, 3858651.99	0.05959	0.06668	0.0655	0.05825	0.05611	1.12E-04	5.85E-06	1.1562E-07	6.269E-08	1.18E-04	1.37E-04	7.17E-06	1.14E-07	3.51E-08	1.45E-04	1.21E-04	5.514E-06	1.108E-07	3.625E-08	0.0001267
1559 494961.06, 3858651.99	0.0584	0.06526	0.06413	0.05711	0.05506	1.10E-04	5.725E-06	1.1335E-07	6.152E-08	1.16E-04	1.34E-04	7.02E-06	1.12E-07	3.44E-08	1.42E-04	1.19E-04	5.397E-06	1.086E-07	3.557E-08	0.0001241
1560 495011.06, 3858651.99	0.05748	0.06416	0.06308	0.05624	0.05425	1.08E-04	5.629E-06	1.1163E-07	6.061E-08	1.14E-04	1.32E-04	6.90E-06	1.10E-07	3.39E-08	1.39E-04	1.17E-04	5.306E-06	1.07E-07	3.504E-08	0.0001222
1561 495061.06, 3858651.99	0.05644	0.06291	0.06189	0.05525	0.05332	1.06E-04	5.519E-06	1.0966E-07	5.958E-08	1.12E-04	1.30E-04	6.76E-06	1.08E-07	3.33E-08	1.37E-04	1.15E-04	5.203E-06	1.051E-07	3.444E-08	0.0001199
1562 495111.06, 3858651.99	0.05522	0.06147	0.06049	0.05407	0.05226	1.04E-04	5.393E-06	1.0732E-07	5.839E-08	1.09E-04	1.27E-04	6.61E-06	1.06E-07	3.27E-08	1.34E-04	1.12E-04	5.083E-06	1.029E-07	3.376E-08	0.0001173
1563 495161.06, 3858651.99	0.05445	0.06054	0.05962	0.05335	0.05159	1.02E-04	5.311E-06	1.0589E-07	5.764E-08	1.08E-04	1.25E-04	6.51E-06	1.05E-07	3.23E-08	1.32E-04	1.11E-04	5.007E-06	1.015E-07	3.333E-08	0.0001157
1564 495211.06, 3858651.99	0.05354	0.05946	0.05858	0.05248	0.05079	1.01E-04	5.216E-06	1.0416E-07	5.675E-08	1.06E-04	1.23E-04	6.39E-06	1.03E-07	3.18E-08	1.30E-04	1.09E-04	4.917E-06	9.983E-08	3.281E-08	0.0001138
1565 495261.06, 3858651.99	0.05329	0.05913	0.05831	0.05228	0.05054	1.00E-04	5.187E-06	1.0377E-07	5.647E-08	1.05E-04	1.23E-04	6.36E-06	1.02E-07	3.16E-08	1.29E-04	1.08E-04	4.89E-06	9.945E-08	3.265E-08	0.0001132
1566 495311.06, 3858651.99	0.05283	0.05857	0.0578	0.05187	0.05012	9.93E-05	5.138E-06	1.0295E-07	5.6E-08	1.05E-04	1.22E-04	6.30E-06	1.02E-07	3.13E-08	1.28E-04	1.07E-04	4.844E-06	9.867E-08	3.238E-08	0.0001122
1567 495361.06, 3858651.99	0.05257	0.05823	0.05751	0.05166	0.04987	9.88E-05	5.108E-06	1.0254E-07	5.572E-08	1.04E-04	1.21E-04	6.26E-06	1.01E-07	3.12E-08	1.27E-04	1.07E-04	4.816E-06	9.827E-08	3.221E-08	0.0001117
1568 495411.06, 3858651.99	0.05241	0.05801	0.05734	0.05155	0.04969	9.85E-05	5.089E-06	1.0232E-07	5.552E-08	1.04E-04	1.21E-04	6.24E-06	1.01E-07	3.11E-08	1.27E-04	1.06E-04	4.797E-06	9.806E-08	3.21E-08	0.0001113
1569 495461.06, 3858651.99	0.05237	0.05792	0.05731	0.05156	0.04962	9.84E-05	5.081E-06	1.0234E-07	5.544E-08	1.04E-04	1.21E-04	6.23E-06	1.01E-07	3.10E-08	1.27E-04	1.06E-04	4.79E-06	9.808E-08	3.205E-08	0.0001113
1570 495511.06, 3858651.99	0.05184	0.05722	0.05672	0.05107	0.04915	9.74E-05	5.02E-06	1.0136E-07	5.492E-08	1.03E-04	1.19E-04	6.15E-06	1.00E-07	3.07E-08	1.26E-04	1.05E-04	4.732E-06	9.715E-08	3.175E-08	0.0001101
1571 495561.06, 3858651.99	0.05147	0.05674	0.0563	0.05074	0.0488	9.67E-05	4.978E-06	1.0071E-07	5.452E-08	1.02E-04	1.19E-04	6.10E-06	9.94E-08	3.05E-08	1.25E-04	1.05E-04	4.692E-06	9.652E-08	3.152E-08	0.0001093
1572 495611.06, 3858651.99	0.05086	0.05601	0.05562	0.05017	0.04826	9.56E-05	4.914E-06	9.9578E-08	5.392E-08	1.01E-04	1.17E-04	6.02E-06	9.83E-08	3.02E-08	1.23E-04	1.03E-04	4.632E-06	9.544E-08	3.117E-08	0.000108
1573 495661.06, 3858651.99	0.05069	0.05577	0.05544	0.05004	0.04809	9.53E-05	4.893E-06	9.932E-08	5.373E-08	1.00E-04	1.17E-04	6.00E-06	9.80E-08	3.01E-08	1.23E-04	1.03E-04	4.612E-06	9.519E-08	3.106E-08	0.0001077
1574 494311.06, 3858701.99	0.06163	0.06945	0.06752	0.05911	0.05812	1.16E-04	6.093E-06	1.1732E-07	6.494E-08	1.22E-04	1.42E-04	7.47E-06	1.16E-07	3.64E-08	1.50E-04	1.25E-04	5.743E-06	1.124E-07	3.754E-08	0.000131
1575 494361.06, 3858701.99	0.06591	0.07456	0.07269	0.06376	0.06177	1.24E-04	6.541E-06	1.2655E-07	6.902E-08	1.31E-04	1.52E-04	8.02E-06	1.25E-07	3.86E-08	1.60E-04	1.34E-04	6.166E-06	1.213E-07	3.99E-08	0.0001401
1576 494411.06, 3858701.99	0.06831	0.07741	0.07554	0.06622	0.06388	1.28E-04	6.791E-06	1.3143E-07	7.137E-08	1.35E-04	1.57E-04	8.32E-06	1.30E-07	4.00E-08	1.66E-04	1.39E-04	6.402E-06	1.26E-07	4.126E-08	0.0001453
1577 494461.06, 3858701.99	0.06825	0.07732	0.0755	0.06625	0.06382	1.28E-04	6.783E-06	1.3149E-07	7.131E-08	1.35E-04	1.57E-04	8.31E-06	1.30E-07	3.99E-08	1.66E-04	1.39E-04	6.394E-06	1.26E-07	4.123E-08	0.0001451
1578 494511.06, 3858701.99	0.06812	0.07709	0.07528	0.06597	0.06372	1.28E-04	6.763E-06	1.3094E-07	7.12E-08	1.35E-04	1.57E-04	8.29E-06	1.29E-07	3.99E-08	1.65E-04	1.38E-04	6.375E-06	1.255E-07	4.116E-08	0.0001449
1579 494561.06, 3858701.99	0.06761	0.07646	0.07472	0.06557	0.06326	1.27E-04	6.708E-06	1.3014E-07	7.068E-08	1.34E-04	1.56E-04	8.22E-06	1.28E-07	3.96E-08	1.64E-04	1.37E-04	6.323E-06	1.247E-07	4.086E-08	0.0001438
1580 494611.06, 3858701.99	0.06625	0.07482	0.07316	0.06431	0.06201	1.24E-04	6.564E-06	1.2764E-07	6.928E-08	1.31E-04	1.53E-04	8.04E-06	1.26E-07	3.88E-08	1.61E-04	1.35E-04	6.188E-06	1.223E-07	4.006E-08	0.0001409
1581 494661.06, 3858701.99	0.06612	0.07464	0.07304	0.06427	0.06188	1.24E-04	6.548E-06	1.2756E-07	6.914E-08	1.31E-04	1.52E-04	8.02E-06	1.26E-07	3.87E-08	1.60E-04	1.34E-04	6.173E-06	1.223E-07	3.997E-08	0.0001406
1582 494711.06, 3858701.99	0.06326	0.07122	0.06972	0.06151	0.05931	1.19E-04	6.248E-06	1.2209E-07	6.627E-08	1.25E-04	1.46E-04	7.66E-06	1.20E-07	3.71E-08	1.53E-04	1.28E-04	5.89E-06	1.17E-07	3.831E-08	0.0001345
1583 494761.06, 3858701.99	0.0638	0.07185	0.07038	0.06213	0.05977	1.20E-04	6.303E-06	1.2332E-07	6.678E-08	1.26E-04	1.47E-04	7.72E-06	1.22E-07	3.74E-08	1.55E-04	1.30E-04	5.942E-06	1.182E-07	3.861E-08	0.0001356
1584 494811.06, 3858701.99	0.06249	0.07028	0.06888	0.0609	0.05859	1.17E-04	6.165E-06	1.2088E-07	6.546E-08	1.24E-04	1.44E-04	7.56E-06	1.19E-07	3.66E-08	1.52E-04	1.27E-04	5.812E-06	1.158E-07	3.785E-08	0.0001328
1585 494861.06, 3858701.99	0.06144	0.06902	0.06768	0.05992	0.05765	1.15E-04	6.055E-06	1.1893E-07	6.441E-08	1.22E-04	1.41E-04	7.42E-06	1.17E-07	3.61E-08	1.49E-04	1.25E-04	5.708E-06	1.14E-07	3.724E-08	0.0001306
1586 494911.06, 3858701.99	0.06053	0.06793	0.06664	0.05908	0.0568	1.14E-04	5.959E-06	1.1726E-07	6.346E-08	1.20E-04	1.39E-04	7.30E-06	1.16E-07	3.55E-08	1.47E-04	1.23E-04	5.618E-06	1.124E-07	3.669E-08	0.0001287
1587 494961.06, 3858701.99	0.05874	0.0658	0.06457	0.05735	0.05523	1.10E-04	5.772E-06	1.1383E-07	6.171E-08	1.16E-04	1.35E-04	7.07E-06	1.12E-07	3.45E-08	1.42E-04	1.19E-04	5.442E-06	1.091E-07	3.568E-08	0.0001249
1588 495011.06, 3858701.99	0.05762	0.06446	0.06328	0.05628	0.05424	1.08E-04	5.655E-06	1.1171E-07	6.06E-08	1.14E-04	1.33E-04	6.93E-06	1.10E-07	3.39E-08	1.40E-04	1.17E-04	5.331E-06	1.071E-07	3.504E-08	0.0001225
1589 495061.06, 3858701.99	0.05711	0.06384	0.06271	0.05583	0.05377	1.07E-04	5.6E-06	1.1081E-07	6.008E-08	1.13E-04	1.32E-04	6.86E-06	1.09E-07	3.36E-08	1.39E-04	1.16E-04	5.279E-06	1.062E-07	3.473E-08	0.0001214
1590 495111.06, 3858701.99	0.0558	0.06229	0.06121	0.05458	0.05264	1.05E-04	5.465E-06	1.0833E-07	5.882E-08	1.10E-04	1.28E-04	6.70E-06	1.07E-07	3.29E-08	1.35E-04	1.13E-04	5.151E-06	1.038E-07	3.4E-08	0.0001186
1591 495161.06, 3858701.99	0.05516	0.06151	0.06048	0.05398	0.05205	1.04E-04	5.396E-06	1.0714E-07	5.816E-08	1.09E-04	1.27E-04	6.61E-06	1.06E-07	3.26E-08	1.34E-04	1.12E-04	5.087E-06	1.027E-07	3.362E-08	0.0001172
1592 495211.06, 3858701.99	0.05427	0.06046	0.05947	0.05314	0.05127	1.02E-04	5.304E-06	1.0547E-07	5.728E-08	1.07E-04	1.25E-04	6.50E-06	1.04E-07	3.21E-08	1.32E-04	1.10E-04	5E-06	1.011E-07	3.312E-08	0.0001153
1593 495261.06, 3858701.99	0.05405	0.06018	0.05923	0.05298	0.05105	1.02E-04	5.279E-06	1.0516E-07	5.704E-08	1.07E-04	1.24E-04	6.47E-06	1.04E-07	3.19E-08	1.31E-04	1.10E-04	4.977E-06	1.008E-07	3.298E-08	0.0001149
1594 495311.06, 3858701.99	0.05385	0.05991	0.05901	0.05282	0.05084	1.01E-04	5.256E-06	1.0484E-07	5.68E-08	1.07E-04	1.24E-04	6.44E-06	1.03E-07	3.18E-08	1.31E-04	1.09E-04	4.954E-06	1.005E-07	3.284E-08	0.0001144
1595 495361.06, 3858701.99	0.05349	0.05946	0.05861	0.05252	0.0505	1.01E-04	5.216E-06	1.0424E-07	5.642E-08	1.06E-04	1.23E-04	6.39E-06	1.03E-07	3.16E-08	1.30E-04	1.09E-04	4.917E-06	9.991E-08	3.262E-08	0.0001137
1596 495411.06, 3858701.99	0.05341	0.05934	0.05853	0.05249	0.0504	1.00E-04	5.206E-06	1.0418E-07	5.631E-08	1.06E-04	1.23E-04	6.38E-06	1.03E-07	3.15E-08	1.30E-04	1.08E-04	4.907E-06	9.985E-08	3.256E-08	0.0001135

1597 495461.06, 3858701.99	0.05314	0.059	0.05824	0.05227	0.05014	9.99E-05	5.176E-06	1.0375E-07	5.602E-08	1.05E-04	1.22E-04	6.34E-06	1.02E-07	3.14E-08	1.29E-04	1.08E-04	4.879E-06	9.943E-08	3.239E-08	0.0001129
1598 495511.06, 3858701.99	0.05273	0.05848	0.05778	0.0519	0.04976	9.91E-05	5.13E-06	1.0301E-07	5.56E-08	1.04E-04	1.21E-04	6.29E-06	1.02E-07	3.11E-08	1.28E-04	1.07E-04	4.836E-06	9.873E-08	3.214E-08	0.000112
1599 495561.06, 3858701.99	0.05222	0.05787	0.05721	0.05143	0.0493	9.81E-05	5.077E-06	1.0208E-07	5.508E-08	1.03E-04	1.20E-04	6.22E-06	1.01E-07	3.08E-08	1.27E-04	1.06E-04	4.786E-06	9.783E-08	3.185E-08	0.0001109
1600 495611.06, 3858701.99	0.0517	0.05723	0.05663	0.05096	0.04884	9.72E-05	5.021E-06	1.0115E-07	5.457E-08	1.02E-04	1.19E-04	6.15E-06	9.98E-08	3.05E-08	1.25E-04	1.05E-04	4.733E-06	9.694E-08	3.155E-08	0.0001098
1601 495661.06, 3858701.99	0.05139	0.05684	0.05629	0.05069	0.04855	9.66E-05	4.986E-06	1.0061E-07	5.425E-08	1.02E-04	1.18E-04	6.11E-06	9.93E-08	3.04E-08	1.25E-04	1.04E-04	4.701E-06	9.643E-08	3.136E-08	0.0001092
1602 494311.06, 3858751.99	0.06265	0.07079	0.06878	0.05999	0.05864	1.18E-04	6.21E-06	1.1907E-07	6.552E-08	1.24E-04	1.44E-04	7.61E-06	1.18E-07	3.67E-08	1.52E-04	1.27E-04	5.854E-06	1.141E-07	3.788E-08	0.0001332
1603 494361.06, 3858751.99	0.06752	0.07661	0.07457	0.06513	0.06304	1.27E-04	6.721E-06	1.2927E-07	7.044E-08	1.34E-04	1.55E-04	8.24E-06	1.28E-07	3.94E-08	1.64E-04	1.37E-04	6.336E-06	1.239E-07	4.072E-08	0.0001436
1604 494411.06, 3858751.99	0.06929	0.07872	0.07666	0.06694	0.06468	1.30E-04	6.906E-06	1.3286E-07	7.227E-08	1.37E-04	1.60E-04	8.46E-06	1.31E-07	4.05E-08	1.68E-04	1.41E-04	6.51E-06	1.273E-07	4.178E-08	0.0001474
1605 494461.06, 3858751.99	0.0692	0.07859	0.07659	0.06695	0.06462	1.30E-04	6.894E-06	1.3288E-07	7.22E-08	1.37E-04	1.59E-04	8.45E-06	1.31E-07	4.04E-08	1.68E-04	1.41E-04	6.499E-06	1.274E-07	4.174E-08	0.0001472
1606 494511.06, 3858751.99	0.06926	0.07856	0.07657	0.06687	0.06472	1.30E-04	6.892E-06	1.3272E-07	7.231E-08	1.37E-04	1.59E-04	8.45E-06	1.31E-07	4.05E-08	1.68E-04	1.41E-04	6.497E-06	1.272E-07	4.181E-08	0.0001473
1607 494561.06, 3858751.99	0.06843	0.07761	0.07574	0.06629	0.06383	1.29E-04	6.808E-06	1.3157E-07	7.132E-08	1.36E-04	1.58E-04	8.34E-06	1.30E-07	3.99E-08	1.66E-04	1.39E-04	6.418E-06	1.261E-07	4.123E-08	0.0001455
1608 494611.06, 3858751.99	0.06732	0.07623	0.07446	0.06521	0.06276	1.27E-04	6.687E-06	1.2943E-07	7.012E-08	1.33E-04	1.55E-04	8.19E-06	1.28E-07	3.93E-08	1.63E-04	1.37E-04	6.304E-06	1.24E-07	4.054E-08	0.0001432
1609 494661.06, 3858751.99	0.06664	0.07544	0.07375	0.06483	0.06227	1.25E-04	6.618E-06	1.2868E-07	6.958E-08	1.32E-04	1.53E-04	8.11E-06	1.27E-07	3.89E-08	1.62E-04	1.35E-04	6.239E-06	1.233E-07	4.022E-08	0.0001417
1610 494711.06, 3858751.99	0.06502	0.07348	0.0719	0.06333	0.06078	1.22E-04	6.446E-06	1.257E-07	6.791E-08	1.29E-04	1.50E-04	7.90E-06	1.24E-07	3.80E-08	1.58E-04	1.32E-04	6.077E-06	1.205E-07	3.926E-08	0.0001383
1611 494761.06, 3858751.99	0.0645	0.07279	0.07122	0.06267	0.06032	1.21E-04	6.386E-06	1.2439E-07	6.74E-08	1.28E-04	1.49E-04	7.83E-06	1.23E-07	3.77E-08	1.57E-04	1.31E-04	6.02E-06	1.192E-07	3.896E-08	0.0001371
1612 494811.06, 3858751.99	0.06308	0.07109	0.0696	0.06135	0.05903	1.19E-04	6.236E-06	1.2177E-07	6.596E-08	1.25E-04	1.45E-04	7.64E-06	1.20E-07	3.69E-08	1.53E-04	1.28E-04	5.879E-06	1.167E-07	3.813E-08	0.0001341
1613 494861.06, 3858751.99	0.06184	0.0696	0.06818	0.0602	0.05791	1.16E-04	6.106E-06	1.1949E-07	6.47E-08	1.22E-04	1.42E-04	7.48E-06	1.18E-07	3.62E-08	1.50E-04	1.26E-04	5.756E-06	1.145E-07	3.741E-08	0.0001315
1614 494911.06, 3858751.99	0.06047	0.06796	0.0666	0.0589	0.05668	1.14E-04	5.962E-06	1.1691E-07	6.333E-08	1.20E-04	1.39E-04	7.31E-06	1.15E-07	3.55E-08	1.47E-04	1.23E-04	5.62E-06	1.12E-07	3.661E-08	0.0001285
1615 494961.06, 3858751.99	0.05948	0.06678	0.06548	0.05799	0.0558	1.12E-04	5.858E-06	1.151E-07	6.235E-08	1.18E-04	1.37E-04	7.18E-06	1.14E-07	3.49E-08	1.44E-04	1.21E-04	5.523E-06	1.103E-07	3.605E-08	0.0001264
1616 495011.06, 3858751.99	0.05881	0.06597	0.06472	0.05738	0.05515	1.11E-04	5.787E-06	1.1389E-07	6.162E-08	1.16E-04	1.35E-04	7.09E-06	1.12E-07	3.45E-08	1.43E-04	1.19E-04	5.456E-06	1.092E-07	3.563E-08	0.000125
1617 495061.06, 3858751.99	0.05779	0.06476	0.06355	0.05642	0.05425	1.09E-04	5.681E-06	1.1198E-07	6.061E-08	1.14E-04	1.33E-04	6.96E-06	1.11E-07	3.39E-08	1.40E-04	1.17E-04	5.356E-06	1.073E-07	3.504E-08	0.0001228
1618 495111.06, 3858751.99	0.0566	0.06334	0.06218	0.05528	0.0532	1.06E-04	5.557E-06	1.0972E-07	5.944E-08	1.12E-04	1.30E-04	6.81E-06	1.08E-07	3.33E-08	1.37E-04	1.15E-04	5.238E-06	1.052E-07	3.437E-08	0.0001203
1619 495161.06, 3858751.99	0.05591	0.06252	0.0614	0.05465	0.05258	1.05E-04	5.485E-06	1.0847E-07	5.875E-08	1.11E-04	1.29E-04	6.72E-06	1.07E-07	3.29E-08	1.36E-04	1.14E-04	5.17E-06	1.04E-07	3.397E-08	0.0001188
1620 495211.06, 3858751.99	0.05503	0.06147	0.0604	0.05383	0.05181	1.03E-04	5.393E-06	1.0684E-07	5.789E-08	1.09E-04	1.27E-04	6.61E-06	1.05E-07	3.24E-08	1.33E-04	1.12E-04	5.083E-06	1.024E-07	3.347E-08	0.000117
1621 495261.06, 3858751.99	0.05477	0.06114	0.06011	0.05362	0.05155	1.03E-04	5.364E-06	1.0643E-07	5.76E-08	1.08E-04	1.26E-04	6.57E-06	1.05E-07	3.22E-08	1.33E-04	1.11E-04	5.056E-06	1.02E-07	3.33E-08	0.0001164
1622 495311.06, 3858751.99	0.05457	0.06089	0.0599	0.05348	0.05135	1.03E-04	5.342E-06	1.0615E-07	5.737E-08	1.08E-04	1.26E-04	6.55E-06	1.05E-07	3.21E-08	1.32E-04	1.11E-04	5.036E-06	1.017E-07	3.317E-08	0.000116
1623 495361.06, 3858751.99	0.05424	0.06047	0.05953	0.05319	0.05104	1.02E-04	5.305E-06	1.0557E-07	5.703E-08	1.07E-04	1.25E-04	6.50E-06	1.04E-07	3.19E-08	1.32E-04	1.10E-04	5.001E-06	1.012E-07	3.297E-08	0.0001153
1624 495411.06, 3858751.99	0.05423	0.06044	0.05954	0.05324	0.051	1.02E-04	5.302E-06	1.0567E-07	5.698E-08	1.07E-04	1.25E-04	6.50E-06	1.04E-07	3.19E-08	1.32E-04	1.10E-04	4.998E-06	1.013E-07	3.294E-08	0.0001152
1625 495461.06, 3858751.99	0.05396	0.0601	0.05924	0.05302	0.05074	1.01E-04	5.272E-06	1.0523E-07	5.669E-08	1.07E-04	1.24E-04	6.46E-06	1.04E-07	3.17E-08	1.31E-04	1.10E-04	4.97E-06	1.009E-07	3.278E-08	0.0001147
1626 495511.06, 3858751.99	0.05354	0.05958	0.05876	0.05264	0.05035	1.01E-04	5.227E-06	1.0448E-07	5.626E-08	1.06E-04	1.23E-04	6.40E-06	1.03E-07	3.15E-08	1.30E-04	1.09E-04	4.927E-06	1.001E-07	3.252E-08	0.0001138
1627 495561.06, 3858751.99	0.05305	0.05899	0.05821	0.0522	0.04991	9.97E-05	5.175E-06	1.0361E-07	5.577E-08	1.05E-04	1.22E-04	6.34E-06	1.02E-07	3.12E-08	1.29E-04	1.08E-04	4.878E-06	9.93E-08	3.224E-08	0.0001127
1628 495611.06, 3858751.99	0.05256	0.0584	0.05767	0.05176	0.04946	9.88E-05	5.123E-06	1.0273E-07	5.526E-08	1.04E-04	1.21E-04	6.28E-06	1.01E-07	3.09E-08	1.27E-04	1.07E-04	4.83E-06	9.846E-08	3.195E-08	0.0001117
1629 495661.06, 3858751.99	0.05218	0.05792	0.05723	0.05141	0.0491	9.81E-05	5.081E-06	1.0204E-07	5.486E-08	1.03E-04	1.20E-04	6.23E-06	1.01E-07	3.07E-08	1.27E-04	1.06E-04	4.79E-06	9.779E-08	3.172E-08	0.0001109
1630 494311.06, 3858801.99	0.06459	0.0732	0.07106	0.06193	0.06029	1.21E-04	6.422E-06	1.2292E-07	6.736E-08	1.28E-04	1.49E-04	7.87E-06	1.21E-07	3.77E-08	1.57E-04	1.31E-04	6.054E-06	1.178E-07	3.895E-08	0.0001374
1631 494361.06, 3858801.99	0.0687	0.07815	0.0759	0.06603	0.06401	1.29E-04	6.856E-06	1.3106E-07	7.152E-08	1.36E-04	1.58E-04	8.40E-06	1.29E-07	4.00E-08	1.67E-04	1.39E-04	6.463E-06	1.256E-07	4.135E-08	0.0001461
1632 494411.06, 3858801.99	0.06958	0.07919	0.07695	0.06697	0.06518	1.31E-04	6.947E-06	1.3292E-07	7.283E-08	1.38E-04	1.60E-04	8.51E-06	1.31E-07	4.08E-08	1.69E-04	1.41E-04	6.549E-06	1.274E-07	4.21E-08	0.000148
1633 494461.06, 3858801.99	0.06993	0.07959	0.07739	0.0674	0.06533	1.31E-04	6.982E-06	1.3378E-07	7.299E-08	1.39E-04	1.61E-04	8.56E-06	1.32E-07	4.09E-08	1.70E-04	1.42E-04	6.582E-06	1.282E-07	4.22E-08	0.0001487
1634 494511.06, 3858801.99	0.07007	0.07967	0.07747	0.06741	0.06556	1.32E-04	6.989E-06	1.338E-07	7.325E-08	1.39E-04	1.61E-04	8.56E-06	1.32E-07	4.10E-08	1.70E-04	1.42E-04	6.589E-06	1.282E-07	4.235E-08	0.000149
1635 494561.06, 3858801.99	0.06969	0.07918	0.07706	0.06714	0.06523	1.31E-04	6.946E-06	1.3326E-07	7.288E-08	1.38E-04	1.60E-04	8.51E-06	1.32E-07	4.08E-08	1.69E-04	1.41E-04	6.548E-06	1.277E-07	4.214E-08	0.0001482
1636 494611.06, 3858801.99	0.06899	0.07833	0.0763	0.06657	0.06458	1.30E-04	6.872E-06	1.3213E-07	7.216E-08	1.37E-04	1.59E-04	8.42E-06	1.30E-07	4.04E-08	1.67E-04	1.40E-04	6.478E-06	1.266E-07	4.172E-08	0.0001467
1637 494661.06, 3858801.99	0.06785	0.07693	0.07502	0.06556	0.06342	1.28E-04	6.749E-06	1.3012E-07	7.086E-08	1.34E-04	1.56E-04	8.27E-06	1.28E-07	3.97E-08	1.65E-04	1.38E-04	6.362E-06	1.247E-07	4.097E-08	0.0001443
1638 494711.06, 3858801.99	0.06649	0.0753	0.0735	0.06435	0.06213	1.25E-04	6.606E-06	1.2772E-07	6.942E-08	1.32E-04	1.53E-04	8.09E-06	1.26E-07	3.89E-08	1.61E-04	1.35E-04	6.227E-06	1.224E-07	4.013E-08	0.0001414
1639 494761.06, 3858801.99	0.06492	0.07339	0.07171	0.0629	0.06065	1.22E-04	6.438E-06	1.2484E-07	6.777E-08	1.29E-04	1.49E-04	7.89E-06	1.23E-07	3.79E-08	1.58E-04	1.32E-04	6.069E-06	1.197E-07	3.918E-08	0.000138
1640 494811.06, 3858801.99	0.06329	0.07144	0.06986	0.0614	0.05915	1.19E-04	6.267E-06	1.2187E-07	6.609E-08	1.25E-04	1.46E-04	7.68E-06	1.20E-07	3.70E-08	1.54E-04	1.29E-04	5.908E-06	1.168E-07	3.821E-08	0.0001346
1641 494861.06, 3858801.99	0.06243	0.0704	0.06888	0.06062	0.05836	1.17E-04	6.176E-06	1.2032E-07	6.521E-08	1.24E-04	1.44E-04	7.57E-06	1.19E-07	3.65E-08	1.51E-04	1.27E-04	5.822E-06	1.153E-07	3.77E-08	0.0001327
1642 494911.06, 3858801.99	0.06111	0.06883	0.06739	0.05941	0.05717	1.15E-04	6.038E-06	1.1792E-07	6.388E-08	1.21E-04	1.41E-04	7.40E-06	1.16E-07	3.58E-08	1.48E-04	1.24E-04	5.692E-06	1.13E-07	3.693E-08	0.0001299
1643 494961.06, 3858801.99	0.06015	0.06767	0.06629	0.05852	0.05629	1.13E-04	5.936E-06	1.1615E-07	6.289E-08	1.19E-04	1.39E-04	7.27E-06	1.15E-07	3.52E-08	1.46E-04	1.22E-04	5.596E-06	1.113E-07	3.636E-08	0.0001279
1644 495011.06, 3858801.99	0.05912	0.06645	0.06512	0.05758	0.05537	1.11E-04	5.829E-06	1.1429E-07	6.187E-08	1.17E-04	1.36E-04	7.14E-06	1.13E-07	3.46E-08	1.43E-04	1.20E-04	5.495E-06	1.095E-07	3.577E-08	0.0001257
1645 495061.06, 3858801.99	0.05847	0.06566	0.06438	0.057	0.05478	1.10E-04	5.76E-06	1.1313E-07	6.121E-08	1.16E-04	1.35E-04	7.06E-06	1.12E-07	3.43E-08	1.42E-04	1.19E-04	5.43E-06	1.084E-07	3.539E-08	0.0001243
1646 495111.06, 3858801.99	0.05716	0.0641	0.06288	0.05575	0.05359	1.07E-04	5.623E-06	1.1065E-07	5.988E-08	1.13E-04	1.32E-04	6.89E-06	1.09E-07	3.35E-08	1.39E-04	1.16E-04	5.301E-06	1.061E-07	3.462E-08	0.0001215
1647 495161.06, 3858801.99	0.0562	0.06297	0.06179	0.05486	0.05274	1.06E-04	5.524E-06	1.0889E-07	5.893E-08	1.11E-04	1.29E-04	6.77E-06	1.07E-07	3.30E-08	1.36E-04	1.14E-04	5.208E-06	1.044E-07	3.407E-08	0.0001195
1648 495211.06, 3858801.99	0.05569	0.06235	0.06121	0.0544	0.05227	1.05E-04	5.47E-06	1.0797E-07	5.84E-08	1.10E-04	1.28E-04	6.70E-06	1.07E-07	3.27E-08	1.35E-04	1.13E-04	5.156E-06	1.035E-07	3.376E-08	0.0001184
1649 495261.06, 3858801.99	0.05546	0.06206	0.06096	0.05423	0.05204	1.04E-04	5.444E-06	1.0764E-07	5.815E-08	1.10E-04	1.28E-04	6.67E-06	1.06E-07	3.25E-08	1.35E-04	1.13E-04	5.132E-06	1.032E-07	3.362E-08	0.0001179
1650 495311.06, 3858801.99	0.05532	0.06188	0.06082	0.05415	0.05189	1.04E-04	5.429E-06	1.0748E-07	5.798E-08	1.10E-04	1.27E-04	6.65E-06	1.06E-07	3.25E-08	1.34E-04	1.12E-04	5.117E-06	1.03E-07	3.352E-08	0.0001176
1651 495361.06, 3858801.99	0.05502	0.06151	0.06049	0.0539	0.05161	1.03E-04	5.396E-06	1.0698E-07	5.766E-08	1.09E-04	1.27E-04	6.61E-06	1.06E-07	3.23E-08	1.33E-04	1.12E-04	5.087E-06	1.025E-07	3.334E-08	0.0001169
1652 495411.06, 3858801.99	0.05516	0.06165	0.06066	0.0541	0.05171	1.04E-04	5.408E-06	1.0738E-07	5.778E-08	1.09E-04	1.27E-04	6.63E-06	1.06E-07	3.23E-08	1.34E-04	1.12E-04	5.098E-06	1.029E-07	3.34E-08	0.0001172
1653 495461.06, 3858801.99	0.05482	0.06124	0.06029	0.05381	0.05139	1.03E-04	5.372E-06	1.068E-07	5.742E-08	1.09E-04	1.26E-04	6.58E-06	1.05E-07	3.21E-08	1.33E-04	1.11E-04	5.064E-06	1.024E-07	3.32E-08	0.0001165
1654 495511.06, 3858801.99	0.05432	0.06063	0.05972	0.05336	0.05093	1.02E-04	5.319E-06	1.0591E-07	5.69E-08	1.08E-04	1.25E-04	6.52E-06	1.05E-07	3.19E-08	1.32E-04	1.10E-04	5.014E-06	1.015E-07	3.29E-08	0.0001154
1655 495561.06, 3858801.99	0.05392	0.06013	0.05927	0.053	0.05056	1.01E-04	5.275E-06	1.052E-07	5.649E-08	1.07E-04	1.24E-04	6.46E-06	1.04E-07	3.16E-08	1.31E-04	1.09E-04	4.973E-06	1.008E-07	3.266E-08	0.0001146
1656 495611.06, 3858801.99	0.0533	0.05939	0.05856	0.05242	0.05	1.00E-04	5.21E-06	1.0404E-07	5.587E-08	1.06E-04	1.23E-04	6.38E-06	1.03E-07	3.13E-08	1.29E-04	1.08E-04	4.911E-06	9.972E-08	3.23E-08	0.0001133
1657 495661.06, 3858801.99	0.05301	0.05903	0.05824	0.05218	0.04973	9.96E-05	5.179E-06	1.0357E-07	5.556E-08	1.05E-04	1.22E-04	6.35E-06	1.02E-07	3.11E-08	1.29E-04	1.08E-04	4.882E-06	9.926E-08	3.212E-08	0.0001126
1658 494311.06, 3858851.99	0.06892	0.07848	0.07604	0.06589	0.06412	1.30E-04	6.885E-06	1.3078E-07	7.164E-08	1.37E-04	1.59E-04	8.44E-06	1.29E-07	4.01E-08	1.67E-04	1.40E-04	6.49E-06	1.253E-07	4.142E-08	0.0001466
1659 494361.06, 3858851.99	0.07111	0.08114	0.07858	0.06804	0.06636	1.34E-04	7.118E-06	1.3505E-07	7.414E-08	1.41E-04	1.64E-04	8.72E-06	1.33E-07	4.15E-08	1.73E-04	1.44E-04	6.71E-06	1.294E-07	4.287E-08	0.0001513
1660 494411.06, 3858851.99	0.07082	0.08078	0.07829	0.06787	0.06615	1.33E-04	7.087E-06	1.3471E-07	7.391E-08	1.40E-04	1.63E-04	8.68E-06	1.33E-07	4.14E-08	1.72E-04	1.44E-04	6.68E-06	1.291E-07	4.273E-08	0.0001506
1661 494461.06, 3858851.99	0.07085	0.0808	0.07836	0.06799	0.06626	1.33E-04	7.088E-06	1.3495E-07	7.403E-08	1.40E-04	1.63E-04	8.69E-06	1.33E-07	4.14E-08	1.72E-04	1.44E-04	6.682E-06	1.293E-07	4.28E-08	0.0001507
1662 494511.06, 3858851.99	0.07069	0.08051	0.07809	0.06773	0.06621	1.33E-04	7.063E-06	1.3443E-07	7.398E-08	1.40E-04	1.63E-04	8.66E-06	1.33E-07	4.14E-08	1.72E-04	1.44E-04	6.658E-06	1.288E-07	4.277E-08	0.0001504
1663 494561.06, 3858851.99	0.07019	0.07989	0.07756	0.06735	0.06576	1.32E-04	7.008E-06	1.3368E-07	7.347E-08	1.39E-04	1.62E-04	8.59E-06	1.32E-07	4.11E-08	1.70E-04	1.43E-04	6.607E-06	1.281E-07	4.248E-08	0.0001493
1664 494611.06, 3858851.99	0.06933	0.07884	0.07662	0.06664	0.06493	1.30E-04	6.916E-06	1.3227E-07	7.255E-08	1.37E-04	1.60E-04	8.48E-06	1.31E-07	4.06E-08	1.68E-04	1.41E-04	6.52E-06	1.268E-07	4.194E-08	0.0001475
1665 494661.06, 3858851.99	0.06824	0.07752	0.07542	0.06571	0.06388	1.28E-04	6.801E-06	1.3042E-07	7.137E-08	1.35E-04	1.57E-04	8.33E-06	1.29E-07	4.00E-08	1.66E-04	1.39E-04	6.411E-06	1.25E-07	4.126E-08	0.0001451
1666 494711.06, 3858851.99	0.06668	0.07562	0.07367	0.06431	0.06235	1.25E-04	6.634E-06	1.2764E-07	6.966E-08	1.32E-04	1.54E-04	8.13E-06	1.26E-07	3.90E-08	1.62E-04	1.35E-04	6.254E-06	1.223E-07	4.028E-08	0.0001418
1667 494761.06, 3858851.99	0.06517	0.0738	0.07198	0.06295	0.06085	1.22E-04	6.474E-06	1.2494E-07	6.799E-08	1.29E-04	1.50E-04	7.93E-06	1.23E-07	3.81E-08	1.58E-04	1.32E-04	6.103E-06	1.197E-07	3.931E-08	0.0001386
1668 494811.06, 3858851.99	0.06391	0.07228	0.07057	0.06182	0.05967	1.20E-04	6.341E-06	1.227E-07	6.667E-08	1.27E-04	1.47E-04	7.77E-06	1.21E-07	3.73E-08	1.55E-04	1.30E-04	5.977E-06	1.176E-07	3.854E-08	0.0001359
1669 494861.06, 3858851.99	0.06308	0.07128	0.06964	0.0611	0.05891	1.19E-04	6.253E-06	1.2127E-07	6.582E-08	1.25E-04	1.45E-04	7.66E-06	1.20E-07	3.68E-08	1.53E-04	1.28E-04	5.895E-06	1.162E-07	3.805E-08	0.0001341
1670 494911.06, 3858851.99	0.06192	0.06988	0.06833	0.06004	0.05783	1.16E-04	6.13E-06	1.1917E-07	6.461E-08	1.23E-04	1.43E-04	7.51E-06	1.18E-07	3.62E-08	1.50E-04	1.26E-04	5.779E-06	1.142E-07	3.736E-08	0.0001317
1671 494961.06, 3858851.99	0.0609	0.06866	0.06718	0.05912	0.05691	1.14E-04	6.023E-06	1.1734E-07	6.359E-08	1.21E-04	1.40E-04	7.38E-06	1.16E-07	3.56E-08	1.48E-04	1.24E-04	5.678E-06	1.125E-07	3.676E-08	0.0001295
1672 495011.06, 3858851.99	0.06008	0.06768	0.06626	0.05839	0.05616	1.13E-04	5.937E-06	1.1589E-07	6.275E-08	1.19E-04	1.38E-04	7.28E-06	1.14E-07	3.51E-08	1.46E-04	1.22E-04	5.597E-06	1.111E-07	3.628E-08	0.0001277
1673 495061.06, 3858851.99	0.05911	0.06651	0.06515	0.0575	0.05527	1.11E-04	5.835E-06	1.1413E-07	6.175E-08	1.17E-04	1.36E-04	7.15E-06	1.13E-07	3.46E-08	1.43E-04	1.20E-04	5.5E-06	1.094E-07	3.57E-08	0.0001257
1674 495111.06, 3858851.99	0.05734	0.06442	0.06312	0.05582	0.0537	1.08E-04	5.651E-06	1.1079E-07	6E-08	1.14E-04	1.32E-04	6.93E-06	1.09E-07	3.36E-08	1.39E-04	1.16E-04	5.327E-06	1.062E-07	3.469E-08	0.0001219
1675 495161.06, 3858851.99	0.05642	0.06332	0.06207	0.05497	0.05284	1.06E-04	5.555E-06	1.0911E-07	5.904E-08	1.12E-04	1.30E-04	6.81E-06	1.08E-07	3.30E-08	1.37E-04	1.15E-04	5.236E-06	1.046E-07	3.413E-08	0.0001199
1676 495211.06, 3858851.99	0.05646	0.06335	0.06214	0.05507	0.05285	1.06E-04	5.557E-06	1.093E-07	5.905E-08	1.12E-04	1.30E-04	6.81E-06	1.08E-07	3.31E-08	1.37E-04	1.15E-04	5.239E-06	1.048E-07	3.414E-08	0.00012

1677 495261.06, 3858851.99	0.05621	0.06303	0.06187	0.05488	0.05261	1.06E-04	5.529E-06	1.0893E-07	5.878E-08	1.11E-04	1.29E-04	6.78E-06	1.08E-07	3.29E-08	1.36E-04	1.14E-04	5.213E-06	1.044E-07	3.398E-08	0.0001195
1678 495311.06, 3858851.99	0.05614	0.06294	0.06181	0.05487	0.05257	1.05E-04	5.522E-06	1.0891E-07	5.874E-08	1.11E-04	1.29E-04	6.77E-06	1.07E-07	3.29E-08	1.36E-04	1.14E-04	5.205E-06	1.044E-07	3.396E-08	0.0001193
1679 495361.06, 3858851.99	0.05594	0.06269	0.06159	0.05473	0.05237	1.05E-04	5.5E-06	1.0863E-07	5.851E-08	1.11E-04	1.29E-04	6.74E-06	1.07E-07	3.28E-08	1.36E-04	1.14E-04	5.184E-06	1.041E-07	3.383E-08	0.0001189
1680 495411.06, 3858851.99	0.05574	0.06244	0.06138	0.05459	0.05218	1.05E-04	5.478E-06	1.0835E-07	5.83E-08	1.10E-04	1.28E-04	6.71E-06	1.07E-07	3.26E-08	1.35E-04	1.13E-04	5.164E-06	1.038E-07	3.371E-08	0.0001185
1681 495461.06, 3858851.99	0.0556	0.06225	0.06123	0.0545	0.05203	1.04E-04	5.461E-06	1.0817E-07	5.813E-08	1.10E-04	1.28E-04	6.69E-06	1.07E-07	3.25E-08	1.35E-04	1.13E-04	5.148E-06	1.037E-07	3.361E-08	0.0001182
1682 495511.06, 3858851.99	0.05532	0.06193	0.06097	0.05433	0.05164	1.04E-04	5.433E-06	1.0784E-07	5.77E-08	1.10E-04	1.27E-04	6.66E-06	1.06E-07	3.23E-08	1.34E-04	1.12E-04	5.122E-06	1.033E-07	3.336E-08	0.0001176
1683 495561.06, 3858851.99	0.05443	0.06085	0.05991	0.05344	0.05094	1.02E-04	5.338E-06	1.0607E-07	5.692E-08	1.08E-04	1.25E-04	6.54E-06	1.05E-07	3.19E-08	1.32E-04	1.11E-04	5.032E-06	1.017E-07	3.291E-08	0.0001157
1684 495611.06, 3858851.99	0.05378	0.06006	0.05916	0.05282	0.05034	1.01E-04	5.269E-06	1.0484E-07	5.625E-08	1.06E-04	1.24E-04	6.46E-06	1.03E-07	3.15E-08	1.30E-04	1.09E-04	4.967E-06	1.005E-07	3.252E-08	0.0001143
1685 495661.06, 3858851.99	0.05363	0.05986	0.059	0.05272	0.05019	1.01E-04	5.251E-06	1.0464E-07	5.608E-08	1.06E-04	1.23E-04	6.44E-06	1.03E-07	3.14E-08	1.30E-04	1.09E-04	4.95E-06	1.003E-07	3.242E-08	0.000114
1686 494311.06, 3858901.99	0.07041	0.08029	0.07765	0.06704	0.06553	1.32E-04	7.044E-06	1.3306E-07	7.322E-08	1.40E-04	1.62E-04	8.63E-06	1.31E-07	4.10E-08	1.71E-04	1.43E-04	6.64E-06	1.275E-07	4.233E-08	0.0001498
1687 494361.06, 3858901.99	0.07193	0.08214	0.07938	0.06851	0.06724	1.35E-04	7.206E-06	1.3598E-07	7.513E-08	1.43E-04	1.66E-04	8.83E-06	1.34E-07	4.21E-08	1.75E-04	1.46E-04	6.793E-06	1.303E-07	4.343E-08	0.000153
1688 494411.06, 3858901.99	0.07193	0.08215	0.07941	0.0686	0.06735	1.35E-04	7.207E-06	1.3616E-07	7.525E-08	1.43E-04	1.66E-04	8.83E-06	1.34E-07	4.21E-08	1.75E-04	1.46E-04	6.794E-06	1.305E-07	4.351E-08	0.000153
1689 494461.06, 3858901.99	0.07199	0.08213	0.07938	0.06855	0.06757	1.35E-04	7.205E-06	1.3606E-07	7.55E-08	1.43E-04	1.66E-04	8.83E-06	1.34E-07	4.23E-08	1.75E-04	1.46E-04	6.792E-06	1.304E-07	4.365E-08	0.0001531
1690 494511.06, 3858901.99	0.07178	0.08187	0.07918	0.06845	0.06746	1.35E-04	7.182E-06	1.3586E-07	7.537E-08	1.42E-04	1.65E-04	8.80E-06	1.34E-07	4.22E-08	1.74E-04	1.46E-04	6.771E-06	1.302E-07	4.358E-08	0.0001527
1691 494561.06, 3858901.99	0.07091	0.08083	0.07825	0.06774	0.0666	1.33E-04	7.091E-06	1.3445E-07	7.441E-08	1.41E-04	1.63E-04	8.69E-06	1.33E-07	4.17E-08	1.72E-04	1.44E-04	6.685E-06	1.289E-07	4.302E-08	0.0001508
1692 494611.06, 3858901.99	0.06941	0.07902	0.07662	0.06646	0.06506	1.30E-04	6.932E-06	1.3191E-07	7.269E-08	1.38E-04	1.60E-04	8.49E-06	1.30E-07	4.07E-08	1.69E-04	1.41E-04	6.535E-06	1.264E-07	4.203E-08	0.0001476
1693 494661.06, 3858901.99	0.06857	0.078	0.07571	0.06576	0.06424	1.29E-04	6.843E-06	1.3052E-07	7.178E-08	1.36E-04	1.58E-04	8.39E-06	1.29E-07	4.02E-08	1.66E-04	1.39E-04	6.451E-06	1.251E-07	4.15E-08	0.0001458
1694 494711.06, 3858901.99	0.06718	0.07631	0.07417	0.06454	0.06285	1.26E-04	6.694E-06	1.281E-07	7.022E-08	1.33E-04	1.55E-04	8.20E-06	1.26E-07	3.93E-08	1.63E-04	1.36E-04	6.311E-06	1.228E-07	4.06E-08	0.0001429
1695 494761.06, 3858901.99	0.06552	0.07431	0.07233	0.06306	0.06122	1.23E-04	6.519E-06	1.2516E-07	6.84E-08	1.30E-04	1.51E-04	7.99E-06	1.24E-07	3.83E-08	1.59E-04	1.33E-04	6.145E-06	1.2E-07	3.955E-08	0.0001393
1696 494811.06, 3858901.99	0.06453	0.07312	0.07124	0.06221	0.06023	1.21E-04	6.415E-06	1.2348E-07	6.73E-08	1.28E-04	1.49E-04	7.86E-06	1.22E-07	3.77E-08	1.57E-04	1.31E-04	6.047E-06	1.183E-07	3.891E-08	0.0001372
1697 494861.06, 3858901.99	0.06378	0.07221	0.07041	0.06158	0.05954	1.20E-04	6.335E-06	1.2222E-07	6.652E-08	1.26E-04	1.47E-04	7.76E-06	1.21E-07	3.72E-08	1.55E-04	1.29E-04	5.972E-06	1.171E-07	3.846E-08	0.0001356
1698 494911.06, 3858901.99	0.06216	0.07026	0.06858	0.06009	0.058	1.17E-04	6.164E-06	1.1927E-07	6.48E-08	1.23E-04	1.43E-04	7.55E-06	1.18E-07	3.63E-08	1.51E-04	1.26E-04	5.81E-06	1.143E-07	3.747E-08	0.0001322
1699 494961.06, 3858901.99	0.06127	0.06919	0.06759	0.05931	0.05718	1.15E-04	6.07E-06	1.1772E-07	6.389E-08	1.21E-04	1.41E-04	7.44E-06	1.16E-07	3.58E-08	1.49E-04	1.24E-04	5.722E-06	1.128E-07	3.694E-08	0.0001303
1700 495011.06, 3858901.99	0.0604	0.06815	0.06662	0.05854	0.05639	1.14E-04	5.979E-06	1.1619E-07	6.301E-08	1.20E-04	1.39E-04	7.33E-06	1.15E-07	3.53E-08	1.47E-04	1.23E-04	5.636E-06	1.114E-07	3.643E-08	0.0001284
1701 495061.06, 3858901.99	0.05915	0.06665	0.0652	0.05739	0.05525	1.11E-04	5.847E-06	1.1391E-07	6.173E-08	1.17E-04	1.36E-04	7.17E-06	1.12E-07	3.46E-08	1.44E-04	1.20E-04	5.512E-06	1.092E-07	3.569E-08	0.0001258
1702 495111.06, 3858901.99	0.05738	0.06455	0.06317	0.05572	0.05365	1.08E-04	5.663E-06	1.1059E-07	5.994E-08	1.14E-04	1.32E-04	6.94E-06	1.09E-07	3.36E-08	1.39E-04	1.17E-04	5.338E-06	1.06E-07	3.466E-08	0.000122
1703 495161.06, 3858901.99	0.05685	0.06391	0.06259	0.05526	0.05317	1.07E-04	5.607E-06	1.0968E-07	5.941E-08	1.13E-04	1.31E-04	6.87E-06	1.08E-07	3.33E-08	1.38E-04	1.15E-04	5.285E-06	1.051E-07	3.435E-08	0.0001209
1704 495211.06, 3858901.99	0.05717	0.06427	0.06298	0.05565	0.05344	1.07E-04	5.638E-06	1.1045E-07	5.971E-08	1.13E-04	1.32E-04	6.91E-06	1.09E-07	3.34E-08	1.39E-04	1.16E-04	5.315E-06	1.059E-07	3.452E-08	0.0001215
1705 495261.06, 3858901.99	0.05704	0.06411	0.06286	0.05559	0.05332	1.07E-04	5.624E-06	1.1034E-07	5.958E-08	1.13E-04	1.31E-04	6.89E-06	1.09E-07	3.33E-08	1.38E-04	1.16E-04	5.302E-06	1.057E-07	3.444E-08	0.0001213
1706 495311.06, 3858901.99	0.05677	0.06377	0.06256	0.05538	0.05306	1.07E-04	5.594E-06	1.0992E-07	5.928E-08	1.12E-04	1.31E-04	6.86E-06	1.08E-07	3.32E-08	1.38E-04	1.15E-04	5.274E-06	1.053E-07	3.428E-08	0.0001207
1707 495361.06, 3858901.99	0.05654	0.0635	0.06232	0.05522	0.05285	1.06E-04	5.571E-06	1.096E-07	5.905E-08	1.12E-04	1.30E-04	6.83E-06	1.08E-07	3.31E-08	1.37E-04	1.15E-04	5.251E-06	1.05E-07	3.414E-08	0.0001202
1708 495411.06, 3858901.99	0.05656	0.0635	0.06236	0.0553	0.05286	1.06E-04	5.571E-06	1.0976E-07	5.906E-08	1.12E-04	1.30E-04	6.83E-06	1.08E-07	3.31E-08	1.37E-04	1.15E-04	5.251E-06	1.052E-07	3.415E-08	0.0001202
1709 495461.06, 3858901.99	0.05619	0.06305	0.06195	0.05499	0.05251	1.06E-04	5.531E-06	1.0914E-07	5.867E-08	1.11E-04	1.29E-04	6.78E-06	1.08E-07	3.28E-08	1.36E-04	1.14E-04	5.214E-06	1.046E-07	3.392E-08	0.0001194
1710 495511.06, 3858901.99	0.0556	0.06234	0.06128	0.05446	0.05197	1.04E-04	5.469E-06	1.0809E-07	5.807E-08	1.10E-04	1.28E-04	6.70E-06	1.07E-07	3.25E-08	1.35E-04	1.13E-04	5.155E-06	1.036E-07	3.357E-08	0.0001182
1711 495561.06, 3858901.99	0.05513	0.06177	0.06075	0.05404	0.05154	1.04E-04	5.419E-06	1.0726E-07	5.759E-08	1.09E-04	1.27E-04	6.64E-06	1.06E-07	3.22E-08	1.34E-04	1.12E-04	5.108E-06	1.028E-07	3.329E-08	0.0001172
1712 495611.06, 3858901.99	0.05448	0.06099	0.06001	0.05344	0.05094	1.02E-04	5.35E-06	1.0607E-07	5.692E-08	1.08E-04	1.25E-04	6.56E-06	1.05E-07	3.19E-08	1.32E-04	1.11E-04	5.044E-06	1.017E-07	3.291E-08	0.0001158
1713 495661.06, 3858901.99	0.0544	0.06087	0.05993	0.05341	0.05086	1.02E-04	5.34E-06	1.0601E-07	5.683E-08	1.08E-04	1.25E-04	6.54E-06	1.05E-07	3.18E-08	1.32E-04	1.10E-04	5.034E-06	1.016E-07	3.285E-08	0.0001156
1714 494311.06, 3858951.99	0.07267	0.08288	0.08001	0.06882	0.068	1.37E-04	7.271E-06	1.3659E-07	7.598E-08	1.44E-04	1.67E-04	8.91E-06	1.35E-07	4.25E-08	1.76E-04	1.48E-04	6.854E-06	1.309E-07	4.393E-08	0.0001546
1715 494361.06, 3858951.99	0.07313	0.08347	0.08053	0.06929	0.06868	1.37E-04	7.323E-06	1.3753E-07	7.674E-08	1.45E-04	1.68E-04	8.97E-06	1.36E-07	4.30E-08	1.78E-04	1.48E-04	6.903E-06	1.318E-07	4.437E-08	0.0001556
1716 494411.06, 3858951.99	0.0725	0.08276	0.07988	0.06882	0.06809	1.36E-04	7.26E-06	1.3659E-07	7.608E-08	1.44E-04	1.67E-04	8.90E-06	1.35E-07	4.26E-08	1.76E-04	1.47E-04	6.844E-06	1.309E-07	4.398E-08	0.0001542
1717 494461.06, 3858951.99	0.07259	0.0828	0.07988	0.0688	0.06839	1.36E-04	7.264E-06	1.3656E-07	7.641E-08	1.44E-04	1.67E-04	8.90E-06	1.35E-07	4.28E-08	1.76E-04	1.47E-04	6.847E-06	1.309E-07	4.418E-08	0.0001544
1718 494511.06, 3858951.99	0.0721	0.08223	0.07937	0.06845	0.06796	1.35E-04	7.214E-06	1.3586E-07	7.593E-08	1.43E-04	1.66E-04	8.84E-06	1.34E-07	4.25E-08	1.75E-04	1.46E-04	6.8E-06	1.302E-07	4.39E-08	0.0001534
1719 494561.06, 3858951.99	0.07127	0.08125	0.0785	0.06778	0.06712	1.34E-04	7.128E-06	1.3453E-07	7.499E-08	1.41E-04	1.64E-04	8.73E-06	1.33E-07	4.20E-08	1.73E-04	1.45E-04	6.719E-06	1.289E-07	4.336E-08	0.0001516
1720 494611.06, 3858951.99	0.07005	0.0798	0.07719	0.06676	0.06583	1.32E-04	7.001E-06	1.3251E-07	7.355E-08	1.39E-04	1.61E-04	8.58E-06	1.31E-07	4.12E-08	1.70E-04	1.42E-04	6.599E-06	1.27E-07	4.252E-08	0.000149
1721 494661.06, 3858951.99	0.06891	0.07844	0.07597	0.06581	0.06466	1.29E-04	6.881E-06	1.3062E-07	7.225E-08	1.37E-04	1.59E-04	8.43E-06	1.29E-07	4.04E-08	1.67E-04	1.40E-04	6.487E-06	1.252E-07	4.177E-08	0.0001466
1722 494711.06, 3858951.99	0.06729	0.07649	0.0742	0.0644	0.06298	1.26E-04	6.71E-06	1.2782E-07	7.037E-08	1.33E-04	1.55E-04	8.22E-06	1.26E-07	3.94E-08	1.63E-04	1.37E-04	6.326E-06	1.225E-07	4.068E-08	0.0001431
1723 494761.06, 3858951.99	0.06608	0.07504	0.07288	0.06336	0.06179	1.24E-04	6.583E-06	1.2576E-07	6.904E-08	1.31E-04	1.52E-04	8.07E-06	1.24E-07	3.86E-08	1.60E-04	1.34E-04	6.206E-06	1.205E-07	3.991E-08	0.0001405
1724 494811.06, 3858951.99	0.06523	0.07402	0.07196	0.06265	0.06098	1.23E-04	6.494E-06	1.2435E-07	6.813E-08	1.29E-04	1.50E-04	7.96E-06	1.23E-07	3.81E-08	1.58E-04	1.32E-04	6.121E-06	1.192E-07	3.939E-08	0.0001387
1725 494861.06, 3858951.99	0.06439	0.073	0.07104	0.06193	0.06017	1.21E-04	6.404E-06	1.2292E-07	6.723E-08	1.28E-04	1.48E-04	7.85E-06	1.21E-07	3.76E-08	1.56E-04	1.31E-04	6.037E-06	1.178E-07	3.887E-08	0.0001369
1726 494911.06, 3858951.99	0.06315	0.07152	0.06967	0.06084	0.05892	1.19E-04	6.274E-06	1.2076E-07	6.583E-08	1.25E-04	1.45E-04	7.69E-06	1.19E-07	3.69E-08	1.53E-04	1.28E-04	5.915E-06	1.157E-07	3.806E-08	0.0001343
1727 494961.06, 3858951.99	0.06251	0.07075	0.06897	0.06032	0.05833	1.17E-04	6.207E-06	1.1972E-07	6.517E-08	1.24E-04	1.44E-04	7.61E-06	1.18E-07	3.65E-08	1.52E-04	1.27E-04	5.851E-06	1.147E-07	3.768E-08	0.0001329
1728 495011.06, 3858951.99	0.0606	0.06846	0.06682	0.05856	0.05652	1.14E-04	6.006E-06	1.1623E-07	6.315E-08	1.20E-04	1.40E-04	7.36E-06	1.15E-07	3.53E-08	1.47E-04	1.23E-04	5.662E-06	1.114E-07	3.651E-08	0.0001289
1729 495061.06, 3858951.99	0.05879	0.06631	0.06477	0.05688	0.05485	1.10E-04	5.817E-06	1.129E-07	6.128E-08	1.16E-04	1.35E-04	7.13E-06	1.11E-07	3.43E-08	1.43E-04	1.19E-04	5.484E-06	1.082E-07	3.543E-08	0.000125
1730 495111.06, 3858951.99	0.05742	0.06467	0.06322	0.05561	0.05361	1.08E-04	5.673E-06	1.1038E-07	5.99E-08	1.14E-04	1.32E-04	6.95E-06	1.09E-07	3.35E-08	1.39E-04	1.17E-04	5.348E-06	1.058E-07	3.463E-08	0.0001221
1731 495161.06, 3858951.99	0.05799	0.06534	0.06391	0.05625	0.05413	1.09E-04	5.732E-06	1.1165E-07	6.048E-08	1.15E-04	1.34E-04	7.02E-06	1.10E-07	3.39E-08	1.41E-04	1.18E-04	5.404E-06	1.07E-07	3.497E-08	0.0001233
1732 495211.06, 3858951.99	0.0579	0.06522	0.06383	0.05623	0.05405	1.09E-04	5.722E-06	1.1161E-07	6.039E-08	1.15E-04	1.33E-04	7.01E-06	1.10E-07	3.38E-08	1.40E-04	1.18E-04	5.394E-06	1.07E-07	3.491E-08	0.0001231
1733 495261.06, 3858951.99	0.05779	0.06508	0.06372	0.05619	0.05395	1.09E-04	5.709E-06	1.1153E-07	6.028E-08	1.14E-04	1.33E-04	7.00E-06	1.10E-07	3.37E-08	1.40E-04	1.17E-04	5.382E-06	1.069E-07	3.485E-08	0.0001229
1734 495311.06, 3858951.99	0.05711	0.06427	0.06297	0.05559	0.05333	1.07E-04	5.638E-06	1.1034E-07	5.959E-08	1.13E-04	1.32E-04	6.91E-06	1.09E-07	3.34E-08	1.39E-04	1.16E-04	5.315E-06	1.057E-07	3.445E-08	0.0001214
1735 495361.06, 3858951.99	0.05708	0.06422	0.06295	0.05562	0.0533	1.07E-04	5.634E-06	1.104E-07	5.955E-08	1.13E-04	1.31E-04	6.90E-06	1.09E-07	3.33E-08	1.38E-04	1.16E-04	5.311E-06	1.058E-07	3.443E-08	0.0001213
1736 495411.06, 3858951.99	0.05714	0.06428	0.06305	0.05575	0.05337	1.07E-04	5.639E-06	1.1065E-07	5.963E-08	1.13E-04	1.32E-04	6.91E-06	1.09E-07	3.34E-08	1.39E-04	1.16E-04	5.316E-06	1.061E-07	3.448E-08	0.0001215
1737 495461.06, 3858951.99	0.05685	0.06393	0.06274	0.05553	0.0531	1.07E-04	5.608E-06	1.1022E-07	5.933E-08	1.13E-04	1.31E-04	6.87E-06	1.09E-07	3.32E-08	1.38E-04	1.15E-04	5.287E-06	1.056E-07	3.43E-08	0.0001209
1738 495511.06, 3858951.99	0.05677	0.06382	0.06266	0.0555	0.05303	1.07E-04	5.599E-06	1.1016E-07	5.925E-08	1.12E-04	1.31E-04	6.86E-06	1.09E-07	3.32E-08	1.38E-04	1.15E-04	5.278E-06	1.056E-07	3.426E-08	0.0001207
1739 495561.06, 3858951.99	0.0558	0.06266	0.06156	0.0546	0.05212	1.05E-04	5.497E-06	1.0837E-07	5.823E-08	1.11E-04	1.28E-04	6.74E-06	1.07E-07	3.26E-08	1.35E-04	1.13E-04	5.182E-06	1.039E-07	3.367E-08	0.0001186
1740 495611.06, 3858951.99	0.05523	0.06197	0.06091	0.05409	0.05159	1.04E-04	5.436E-06	1.0736E-07	5.764E-08	1.09E-04	1.27E-04	6.66E-06	1.06E-07	3.23E-08	1.34E-04	1.12E-04	5.125E-06	1.029E-07	3.333E-08	0.0001174
1741 495661.06, 3858951.99	0.05518	0.06189	0.06087	0.05409	0.05154	1.04E-04	5.429E-06	1.0736E-07	5.759E-08	1.09E-04	1.27E-04	6.65E-06	1.06E-07	3.22E-08	1.34E-04	1.12E-04	5.118E-06	1.029E-07	3.329E-08	0.0001173
1742 494311.06, 3859001.99	0.07394	0.08412	0.08117	0.06964	0.06967	1.39E-04	7.38E-06	1.3822E-07	7.784E-08	1.47E-04	1.70E-04	9.04E-06	1.36E-07	4.36E-08	1.79E-04	1.50E-04	6.957E-06	1.325E-07	4.5E-08	0.0001573
1743 494361.06, 3859001.99	0.07373	0.08393	0.08096	0.06951	0.06959	1.39E-04	7.363E-06	1.3796E-07	7.775E-08	1.46E-04	1.70E-04	9.02E-06	1.36E-07	4.35E-08	1.79E-04	1.50E-04	6.941E-06	1.322E-07	4.495E-08	0.0001568
1744 494411.06, 3859001.99	0.07349	0.08362	0.08061	0.06922	0.06952	1.38E-04	7.336E-06	1.3739E-07	7.768E-08	1.46E-04	1.69E-04	8.99E-06	1.36E-07	4.35E-08	1.78E-04	1.49E-04	6.915E-06	1.317E-07	4.491E-08	0.0001563
1745 494461.06, 3859001.99	0.07305	0.08315	0.08016	0.0689	0.06915	1.37E-04	7.294E-06	1.3675E-07	7.726E-08	1.45E-04	1.68E-04	8.94E-06	1.35E-07	4.32E-08	1.77E-04	1.48E-04	6.876E-06	1.311E-07	4.467E-08	0.0001554
1746 494511.06, 3859001.99	0.07259	0.08266	0.0797	0.06857	0.06875	1.36E-04	7.251E-06	1.361E-07	7.682E-08	1.44E-04	1.67E-04	8.89E-06	1.34E-07	4.30E-08	1.76E-04	1.47E-04	6.836E-06	1.304E-07	4.441E-08	0.0001544
1747 494561.06, 3859001.99	0.07145	0.08135	0.07851	0.06765	0.06749	1.34E-04	7.137E-06	1.3427E-07	7.541E-08	1.42E-04	1.65E-04	8.75E-06	1.33E-07	4.22E-08	1.73E-04	1.45E-04	6.728E-06	1.287E-07	4.36E-08	0.000152
1748 494611.06, 3859001.99	0.07039	0.08011	0.07739	0.06679	0.06635	1.32E-04	7.028E-06	1.3257E-07	7.413E-08	1.40E-04	1.62E-04	8.61E-06	1.31E-07	4.15E-08	1.71E-04	1.43E-04	6.625E-06	1.271E-07	4.286E-08	0.0001497
1749 494661.06, 3859001.99	0.06908	0.07858	0.07601	0.06569	0.06493	1.30E-04	6.894E-06	1.3038E-07	7.255E-08	1.37E-04	1.59E-04	8.45E-06	1.29E-07	4.06E-08	1.68E-04	1.40E-04	6.498E-06	1.25E-07	4.194E-08	0.0001469
1750 494711.06, 3859001.99	0.06753	0.07675	0.07434	0.06437	0.06328	1.27E-04	6.733E-06	1.2776E-07	7.07E-08	1.34E-04	1.56E-04	8.25E-06	1.26E-07	3.96E-08	1.64E-04	1.37E-04	6.347E-06	1.224E-07	4.088E-08	0.0001436
1751 494761.06, 3859001.99	0.06657	0.07562	0.07331	0.06357	0.06233	1.25E-04	6.634E-06	1.2617E-07	6.964E-08	1.32E-04	1.53E-04	8.13E-06	1.25E-07	3.90E-08	1.62E-04	1.35E-04	6.254E-06	1.209E-07	4.026E-08	0.0001416
1752 494811.06, 3859001.99	0.06598	0.07492	0.07269	0.0631	0.06178	1.24E-04	6.572E-06	1.2524E-07	6.903E-08	1.31E-04	1.52E-04	8.05E-06	1.24E-07	3.86E-08	1.60E-04	1.34E-04	6.196E-06	1.2E-07	3.991E-08	0.0001403
1753 494861.06, 3859001.99	0.06493	0.07367	0.07155	0.06221	0.06073	1.22E-04	6.463E-06	1.2348E-07	6.785E-08	1.29E-04	1.50E-04	7.92E-06	1.22E-07	3.80E-08	1.58E-04	1.32E-04	6.092E-06	1.183E-07	3.923E-08	0.0001381
1754 494911.06, 3859001.99	0.06381	0.07234	0.07033	0.06125	0.05963	1.20E-04	6.346E-06	1.2157E-07	6.663E-08	1.26E-04	1.47E-04	7.78E-06	1.20E-07	3.73E-08	1.55E-04	1.30E-04	5.982E-06	1.165E-07	3.852E-08	0.0001357
1755 494961.06, 3859001.99	0.06266	0.07097	0.06907	0.06025	0.05874	1.18E-04	6.226E-06	1.1959E-07	6.563E-08	1.24E-04	1.44E-04	7.63E-06	1.18E-07	3.67E-08	1.52E-04	1.27E-04	5.869E-06	1.146E-07	3.794E-08	0.0001332
1756 495011.06, 3859001.99	0.05963	0.06735	0.06566	0.05743	0.05553	1.12E-04	5.908E-06	1.1399E-07	6.204E-08	1.18E-04	1.37E-04	7.24E-06	1.13E-07	3.47E-08	1.45E-04	1.21E-04	5.57E-06	1.092E-07	3.587E-08	0.0001268

1757 495061.06, 3859001.99	0.05902	0.06663	0.06499	0.05692	0.05498	1.11E-04	5.845E-06	1.1298E-07	6.143E-08	1.17E-04	1.36E-04	7.16E-06	1.12E-07	3.44E-08	1.43E-04	1.20E-04	5.51E-06	1.083E-07	3.552E-08	0.0001255
1758 495111.06, 3859001.99	0.05774	0.0651	0.06355	0.05575	0.05381	1.09E-04	5.711E-06	1.1065E-07	6.012E-08	1.14E-04	1.33E-04	7.00E-06	1.09E-07	3.37E-08	1.40E-04	1.17E-04	5.384E-06	1.061E-07	3.476E-08	0.0001228
1759 495161.06, 3859001.99	0.05868	0.06623	0.06467	0.05675	0.05472	1.10E-04	5.81E-06	1.1264E-07	6.114E-08	1.16E-04	1.35E-04	7.12E-06	1.11E-07	3.42E-08	1.42E-04	1.19E-04	5.477E-06	1.08E-07	3.535E-08	0.0001248
1760 495211.06, 3859001.99	0.0584	0.06589	0.06437	0.05655	0.05446	1.10E-04	5.78E-06	1.1224E-07	6.085E-08	1.16E-04	1.34E-04	7.08E-06	1.11E-07	3.41E-08	1.42E-04	1.19E-04	5.449E-06	1.076E-07	3.518E-08	0.0001242
1761 495261.06, 3859001.99	0.05835	0.06583	0.06435	0.05658	0.05445	1.10E-04	5.775E-06	1.123E-07	6.084E-08	1.16E-04	1.34E-04	7.08E-06	1.11E-07	3.41E-08	1.42E-04	1.18E-04	5.444E-06	1.076E-07	3.517E-08	0.0001241
1762 495311.06, 3859001.99	0.058	0.06541	0.06398	0.05631	0.05413	1.09E-04	5.738E-06	1.1176E-07	6.048E-08	1.15E-04	1.34E-04	7.03E-06	1.10E-07	3.39E-08	1.41E-04	1.18E-04	5.409E-06	1.071E-07	3.497E-08	0.0001233
1763 495361.06, 3859001.99	0.05793	0.06531	0.06392	0.0563	0.05408	1.09E-04	5.729E-06	1.1175E-07	6.042E-08	1.15E-04	1.33E-04	7.02E-06	1.10E-07	3.38E-08	1.41E-04	1.18E-04	5.401E-06	1.071E-07	3.493E-08	0.0001232
1764 495411.06, 3859001.99	0.05772	0.06505	0.0637	0.05616	0.0539	1.08E-04	5.707E-06	1.1147E-07	6.022E-08	1.14E-04	1.33E-04	6.99E-06	1.10E-07	3.37E-08	1.40E-04	1.17E-04	5.38E-06	1.068E-07	3.482E-08	0.0001227
1765 495461.06, 3859001.99	0.05757	0.06487	0.06356	0.05609	0.05378	1.08E-04	5.691E-06	1.1133E-07	6.009E-08	1.14E-04	1.33E-04	6.97E-06	1.10E-07	3.36E-08	1.40E-04	1.17E-04	5.365E-06	1.067E-07	3.474E-08	0.0001224
1766 495511.06, 3859001.99	0.05683	0.06398	0.06272	0.05542	0.05307	1.07E-04	5.613E-06	1.1E-07	5.93E-08	1.13E-04	1.31E-04	6.88E-06	1.09E-07	3.32E-08	1.38E-04	1.15E-04	5.291E-06	1.054E-07	3.428E-08	0.0001208
1767 495561.06, 3859001.99	0.0564	0.06346	0.06225	0.05506	0.05268	1.06E-04	5.567E-06	1.0928E-07	5.886E-08	1.12E-04	1.30E-04	6.82E-06	1.08E-07	3.29E-08	1.37E-04	1.15E-04	5.248E-06	1.047E-07	3.403E-08	0.0001199
1768 495611.06, 3859001.99	0.05592	0.06288	0.06172	0.05465	0.05223	1.05E-04	5.516E-06	1.0847E-07	5.836E-08	1.11E-04	1.29E-04	6.76E-06	1.07E-07	3.27E-08	1.36E-04	1.14E-04	5.2E-06	1.04E-07	3.374E-08	0.0001189
1769 495661.06, 3859001.99	0.0562	0.0632	0.06205	0.05497	0.05251	1.06E-04	5.544E-06	1.0911E-07	5.867E-08	1.11E-04	1.29E-04	6.79E-06	1.08E-07	3.28E-08	1.36E-04	1.14E-04	5.227E-06	1.046E-07	3.392E-08	0.0001195
1770 494311.06, 3859051.99	0.07464	0.08451	0.08162	0.06993	0.07087	1.40E-04	7.414E-06	1.388E-07	7.918E-08	1.48E-04	1.72E-04	9.09E-06	1.37E-07	4.43E-08	1.81E-04	1.52E-04	6.989E-06	1.33E-07	4.578E-08	0.0001587
1771 494361.06, 3859051.99	0.07455	0.08441	0.08142	0.06976	0.07102	1.40E-04	7.405E-06	1.3846E-07	7.935E-08	1.48E-04	1.72E-04	9.07E-06	1.37E-07	4.44E-08	1.81E-04	1.51E-04	6.981E-06	1.327E-07	4.588E-08	0.0001585
1772 494411.06, 3859051.99	0.07395	0.0838	0.08082	0.06931	0.07042	1.39E-04	7.352E-06	1.3757E-07	7.868E-08	1.47E-04	1.70E-04	9.01E-06	1.36E-07	4.40E-08	1.79E-04	1.50E-04	6.93E-06	1.318E-07	4.549E-08	0.0001573
1773 494461.06, 3859051.99	0.07323	0.08305	0.0801	0.06876	0.06966	1.38E-04	7.286E-06	1.3648E-07	7.783E-08	1.45E-04	1.69E-04	8.93E-06	1.35E-07	4.36E-08	1.78E-04	1.49E-04	6.868E-06	1.308E-07	4.5E-08	0.0001557
1774 494511.06, 3859051.99	0.07232	0.08205	0.07918	0.06805	0.06864	1.36E-04	7.198E-06	1.3507E-07	7.669E-08	1.43E-04	1.67E-04	8.82E-06	1.33E-07	4.29E-08	1.76E-04	1.47E-04	6.785E-06	1.294E-07	4.434E-08	0.0001538
1775 494561.06, 3859051.99	0.07153	0.0812	0.07838	0.06744	0.06781	1.34E-04	7.123E-06	1.3386E-07	7.577E-08	1.42E-04	1.65E-04	8.73E-06	1.32E-07	4.24E-08	1.74E-04	1.45E-04	6.715E-06	1.283E-07	4.38E-08	0.0001521
1776 494611.06, 3859051.99	0.07047	0.08001	0.07729	0.06658	0.06662	1.32E-04	7.019E-06	1.3215E-07	7.444E-08	1.40E-04	1.62E-04	8.60E-06	1.30E-07	4.17E-08	1.71E-04	1.43E-04	6.617E-06	1.267E-07	4.303E-08	0.0001499
1777 494661.06, 3859051.99	0.06931	0.07869	0.07608	0.06563	0.06533	1.30E-04	6.903E-06	1.3026E-07	7.299E-08	1.37E-04	1.60E-04	8.46E-06	1.29E-07	4.09E-08	1.68E-04	1.41E-04	6.508E-06	1.248E-07	4.22E-08	0.0001474
1778 494711.06, 3859051.99	0.06821	0.07744	0.07493	0.06474	0.06416	1.28E-04	6.794E-06	1.285E-07	7.169E-08	1.35E-04	1.57E-04	8.32E-06	1.27E-07	4.01E-08	1.66E-04	1.38E-04	6.404E-06	1.232E-07	4.145E-08	0.0001451
1779 494761.06, 3859051.99	0.06707	0.07612	0.07373	0.06379	0.06295	1.26E-04	6.678E-06	1.2661E-07	7.033E-08	1.33E-04	1.54E-04	8.18E-06	1.25E-07	3.94E-08	1.63E-04	1.36E-04	6.295E-06	1.213E-07	4.066E-08	0.0001426
1780 494811.06, 3859051.99	0.06625	0.07517	0.07285	0.06311	0.06212	1.24E-04	6.594E-06	1.2526E-07	6.941E-08	1.31E-04	1.53E-04	8.08E-06	1.24E-07	3.89E-08	1.61E-04	1.35E-04	6.216E-06	1.201E-07	4.013E-08	0.0001409
1781 494861.06, 3859051.99	0.0654	0.07419	0.07195	0.06241	0.06128	1.23E-04	6.508E-06	1.2387E-07	6.847E-08	1.30E-04	1.51E-04	7.98E-06	1.22E-07	3.83E-08	1.59E-04	1.33E-04	6.135E-06	1.187E-07	3.958E-08	0.0001391
1782 494911.06, 3859051.99	0.06409	0.07264	0.07054	0.06128	0.05993	1.20E-04	6.372E-06	1.2163E-07	6.696E-08	1.27E-04	1.48E-04	7.81E-06	1.20E-07	3.75E-08	1.56E-04	1.30E-04	6.007E-06	1.166E-07	3.871E-08	0.0001363
1783 494961.06, 3859051.99	0.06213	0.07032	0.06838	0.05953	0.05794	1.17E-04	6.169E-06	1.1816E-07	6.474E-08	1.23E-04	1.43E-04	7.56E-06	1.17E-07	3.62E-08	1.51E-04	1.26E-04	5.815E-06	1.132E-07	3.743E-08	0.0001321
1784 495011.06, 3859051.99	0.06065	0.06857	0.06675	0.05822	0.05645	1.14E-04	6.015E-06	1.1556E-07	6.307E-08	1.20E-04	1.40E-04	7.37E-06	1.14E-07	3.53E-08	1.47E-04	1.23E-04	5.671E-06	1.107E-07	3.646E-08	0.000129
1785 495061.06, 3859051.99	0.05966	0.0674	0.06566	0.05735	0.05552	1.12E-04	5.913E-06	1.1383E-07	6.203E-08	1.18E-04	1.37E-04	7.25E-06	1.12E-07	3.47E-08	1.45E-04	1.21E-04	5.574E-06	1.091E-07	3.586E-08	0.0001269
1786 495111.06, 3859051.99	0.05912	0.06677	0.06508	0.05691	0.05504	1.11E-04	5.858E-06	1.1296E-07	6.15E-08	1.17E-04	1.36E-04	7.18E-06	1.11E-07	3.44E-08	1.43E-04	1.20E-04	5.522E-06	1.083E-07	3.555E-08	0.0001257
1787 495161.06, 3859051.99	0.05954	0.06728	0.0656	0.05739	0.0555	1.12E-04	5.902E-06	1.1391E-07	6.201E-08	1.18E-04	1.37E-04	7.23E-06	1.12E-07	3.47E-08	1.44E-04	1.21E-04	5.564E-06	1.092E-07	3.585E-08	0.0001266
1788 495211.06, 3859051.99	0.0589	0.06653	0.0649	0.05686	0.05491	1.11E-04	5.836E-06	1.1286E-07	6.135E-08	1.17E-04	1.36E-04	7.15E-06	1.11E-07	3.43E-08	1.43E-04	1.20E-04	5.502E-06	1.082E-07	3.547E-08	0.0001252
1789 495261.06, 3859051.99	0.05906	0.06673	0.06511	0.05708	0.05512	1.11E-04	5.854E-06	1.1329E-07	6.159E-08	1.17E-04	1.36E-04	7.17E-06	1.12E-07	3.45E-08	1.43E-04	1.20E-04	5.518E-06	1.086E-07	3.561E-08	0.0001256
1790 495311.06, 3859051.99	0.05864	0.06622	0.06466	0.05675	0.05473	1.10E-04	5.809E-06	1.1264E-07	6.115E-08	1.16E-04	1.35E-04	7.12E-06	1.11E-07	3.42E-08	1.42E-04	1.19E-04	5.476E-06	1.08E-07	3.535E-08	0.0001247
1791 495361.06, 3859051.99	0.05845	0.066	0.06447	0.05664	0.05458	1.10E-04	5.79E-06	1.1242E-07	6.098E-08	1.16E-04	1.35E-04	7.10E-06	1.11E-07	3.41E-08	1.42E-04	1.19E-04	5.458E-06	1.077E-07	3.526E-08	0.0001243
1792 495411.06, 3859051.99	0.05843	0.06597	0.06447	0.05668	0.0546	1.10E-04	5.787E-06	1.125E-07	6.101E-08	1.16E-04	1.35E-04	7.09E-06	1.11E-07	3.41E-08	1.42E-04	1.19E-04	5.456E-06	1.078E-07	3.527E-08	0.0001242
1793 495461.06, 3859051.99	0.05839	0.06591	0.06444	0.0567	0.05459	1.10E-04	5.782E-06	1.1254E-07	6.099E-08	1.16E-04	1.34E-04	7.09E-06	1.11E-07	3.41E-08	1.42E-04	1.19E-04	5.451E-06	1.079E-07	3.526E-08	0.0001241
1794 495511.06, 3859051.99	0.05762	0.065	0.0636	0.05603	0.05385	1.08E-04	5.702E-06	1.1121E-07	6.017E-08	1.14E-04	1.33E-04	6.99E-06	1.10E-07	3.37E-08	1.40E-04	1.17E-04	5.375E-06	1.066E-07	3.479E-08	0.0001225
1795 495561.06, 3859051.99	0.05704	0.0643	0.06296	0.05553	0.0533	1.07E-04	5.641E-06	1.1022E-07	5.955E-08	1.13E-04	1.31E-04	6.91E-06	1.09E-07	3.33E-08	1.38E-04	1.16E-04	5.318E-06	1.056E-07	3.443E-08	0.0001213
1796 495611.06, 3859051.99	0.05653	0.0637	0.0624	0.0551	0.05283	1.06E-04	5.588E-06	1.0936E-07	5.903E-08	1.12E-04	1.30E-04	6.85E-06	1.08E-07	3.30E-08	1.37E-04	1.15E-04	5.268E-06	1.048E-07	3.413E-08	0.0001202
1797 495661.06, 3859051.99	0.05674	0.06393	0.06265	0.05535	0.05306	1.07E-04	5.608E-06	1.0986E-07	5.928E-08	1.12E-04	1.31E-04	6.87E-06	1.08E-07	3.32E-08	1.38E-04	1.15E-04	5.287E-06	1.053E-07	3.428E-08	0.0001206
1798 494311.06, 3859101.99	0.07524	0.08457	0.08178	0.06998	0.07222	1.41E-04	7.419E-06	1.389E-07	8.069E-08	1.49E-04	1.73E-04	9.09E-06	1.37E-07	4.52E-08	1.83E-04	1.53E-04	6.994E-06	1.331E-07	4.665E-08	0.0001599
1799 494361.06, 3859101.99	0.07472	0.08408	0.08127	0.06959	0.07171	1.40E-04	7.376E-06	1.3812E-07	8.012E-08	1.48E-04	1.72E-04	9.04E-06	1.36E-07	4.49E-08	1.81E-04	1.52E-04	6.953E-06	1.324E-07	4.632E-08	0.0001588
1800 494411.06, 3859101.99	0.07428	0.0837	0.08085	0.06928	0.07134	1.40E-04	7.343E-06	1.3751E-07	7.971E-08	1.47E-04	1.71E-04	9.00E-06	1.36E-07	4.46E-08	1.80E-04	1.51E-04	6.922E-06	1.318E-07	4.608E-08	0.0001579
1801 494461.06, 3859101.99	0.07356	0.08297	0.08014	0.06873	0.07052	1.38E-04	7.279E-06	1.3642E-07	7.879E-08	1.46E-04	1.69E-04	8.92E-06	1.35E-07	4.41E-08	1.78E-04	1.49E-04	6.862E-06	1.307E-07	4.555E-08	0.0001564
1802 494511.06, 3859101.99	0.07251	0.08188	0.07911	0.06793	0.06925	1.36E-04	7.183E-06	1.3483E-07	7.737E-08	1.44E-04	1.67E-04	8.80E-06	1.33E-07	4.33E-08	1.76E-04	1.47E-04	6.771E-06	1.292E-07	4.473E-08	0.0001542
1803 494561.06, 3859101.99	0.07168	0.081	0.07828	0.06728	0.0683	1.35E-04	7.106E-06	1.3354E-07	7.631E-08	1.42E-04	1.65E-04	8.71E-06	1.32E-07	4.27E-08	1.74E-04	1.46E-04	6.699E-06	1.28E-07	4.412E-08	0.0001524
1804 494611.06, 3859101.99	0.07039	0.0796	0.07699	0.06626	0.06675	1.32E-04	6.983E-06	1.3151E-07	7.458E-08	1.39E-04	1.62E-04	8.56E-06	1.30E-07	4.17E-08	1.71E-04	1.43E-04	6.583E-06	1.26E-07	4.312E-08	0.0001497
1805 494661.06, 3859101.99	0.06956	0.0787	0.07615	0.0656	0.06585	1.31E-04	6.904E-06	1.302E-07	7.358E-08	1.38E-04	1.60E-04	8.46E-06	1.29E-07	4.12E-08	1.69E-04	1.41E-04	6.508E-06	1.248E-07	4.254E-08	0.0001479
1806 494711.06, 3859101.99	0.06808	0.07704	0.07462	0.06438	0.06413	1.28E-04	6.758E-06	1.2778E-07	7.165E-08	1.35E-04	1.57E-04	8.28E-06	1.26E-07	4.01E-08	1.65E-04	1.38E-04	6.371E-06	1.225E-07	4.143E-08	0.0001448
1807 494761.06, 3859101.99	0.06767	0.07661	0.07419	0.06407	0.06378	1.27E-04	6.721E-06	1.2717E-07	7.126E-08	1.34E-04	1.56E-04	8.24E-06	1.26E-07	3.99E-08	1.64E-04	1.37E-04	6.336E-06	1.219E-07	4.12E-08	0.0001439
1808 494811.06, 3859101.99	0.06667	0.07549	0.07315	0.06325	0.06271	1.25E-04	6.622E-06	1.2554E-07	7.007E-08	1.32E-04	1.54E-04	8.12E-06	1.24E-07	3.92E-08	1.62E-04	1.35E-04	6.243E-06	1.203E-07	4.051E-08	0.0001418
1809 494861.06, 3859101.99	0.06578	0.07448	0.07222	0.06252	0.06178	1.24E-04	6.534E-06	1.2409E-07	6.903E-08	1.30E-04	1.51E-04	8.01E-06	1.22E-07	3.86E-08	1.60E-04	1.34E-04	6.159E-06	1.189E-07	3.991E-08	0.0001399
1810 494911.06, 3859101.99	0.06447	0.07297	0.07082	0.06141	0.06038	1.21E-04	6.401E-06	1.2189E-07	6.746E-08	1.28E-04	1.48E-04	7.84E-06	1.20E-07	3.78E-08	1.56E-04	1.31E-04	6.035E-06	1.168E-07	3.9E-08	0.0001371
1811 494961.06, 3859101.99	0.06245	0.0706	0.06863	0.05963	0.05824	1.17E-04	6.194E-06	1.1835E-07	6.507E-08	1.24E-04	1.44E-04	7.59E-06	1.17E-07	3.64E-08	1.52E-04	1.27E-04	5.839E-06	1.134E-07	3.762E-08	0.0001328
1812 495011.06, 3859101.99	0.0603	0.06807	0.06626	0.05769	0.05608	1.13E-04	5.972E-06	1.145E-07	6.266E-08	1.19E-04	1.39E-04	7.32E-06	1.13E-07	3.51E-08	1.46E-04	1.22E-04	5.629E-06	1.097E-07	3.623E-08	0.0001282
1813 495061.06, 3859101.99	0.06029	0.0681	0.06629	0.05776	0.05615	1.13E-04	5.974E-06	1.1464E-07	6.274E-08	1.19E-04	1.39E-04	7.32E-06	1.13E-07	3.51E-08	1.46E-04	1.22E-04	5.632E-06	1.099E-07	3.627E-08	0.0001282
1814 495111.06, 3859101.99	0.05969	0.0674	0.06564	0.05726	0.0556	1.12E-04	5.913E-06	1.1365E-07	6.212E-08	1.18E-04	1.37E-04	7.25E-06	1.12E-07	3.48E-08	1.45E-04	1.21E-04	5.574E-06	1.089E-07	3.592E-08	0.0001269
1815 495161.06, 3859101.99	0.06007	0.06789	0.06611	0.0577	0.05606	1.13E-04	5.956E-06	1.1452E-07	6.264E-08	1.19E-04	1.38E-04	7.30E-06	1.13E-07	3.51E-08	1.46E-04	1.22E-04	5.614E-06	1.098E-07	3.621E-08	0.0001277
1816 495211.06, 3859101.99	0.05952	0.06725	0.06552	0.05725	0.05556	1.12E-04	5.9E-06	1.1363E-07	6.208E-08	1.18E-04	1.37E-04	7.23E-06	1.12E-07	3.47E-08	1.44E-04	1.21E-04	5.561E-06	1.089E-07	3.589E-08	0.0001266
1817 495261.06, 3859101.99	0.05952	0.06726	0.06555	0.05732	0.05562	1.12E-04	5.901E-06	1.1377E-07	6.215E-08	1.18E-04	1.37E-04	7.23E-06	1.12E-07	3.48E-08	1.44E-04	1.21E-04	5.562E-06	1.09E-07	3.593E-08	0.0001266
1818 495311.06, 3859101.99	0.05936	0.06713	0.06546	0.05729	0.05537	1.12E-04	5.889E-06	1.1371E-07	6.187E-08	1.18E-04	1.37E-04	7.22E-06	1.12E-07	3.46E-08	1.44E-04	1.21E-04	5.552E-06	1.09E-07	3.577E-08	0.0001262
1819 495361.06, 3859101.99	0.05933	0.06706	0.06539	0.05727	0.05555	1.11E-04	5.883E-06	1.1367E-07	6.207E-08	1.18E-04	1.37E-04	7.21E-06	1.12E-07	3.47E-08	1.44E-04	1.20E-04	5.546E-06	1.089E-07	3.588E-08	0.0001262
1820 495411.06, 3859101.99	0.05918	0.06689	0.06525	0.0572	0.05545	1.11E-04	5.868E-06	1.1353E-07	6.196E-08	1.17E-04	1.36E-04	7.19E-06	1.12E-07	3.47E-08	1.44E-04	1.20E-04	5.532E-06	1.088E-07	3.582E-08	0.0001258
1821 495461.06, 3859101.99	0.05874	0.06643	0.06486	0.057	0.05502	1.10E-04	5.828E-06	1.1313E-07	6.147E-08	1.16E-04	1.35E-04	7.14E-06	1.12E-07	3.44E-08	1.43E-04	1.19E-04	5.494E-06	1.084E-07	3.554E-08	0.0001249
1822 495511.06, 3859101.99	0.05845	0.06609	0.06457	0.05679	0.05478	1.10E-04	5.798E-06	1.1272E-07	6.121E-08	1.16E-04	1.35E-04	7.10E-06	1.11E-07	3.43E-08	1.42E-04	1.19E-04	5.466E-06	1.08E-07	3.539E-08	0.0001243
1823 495561.06, 3859101.99	0.05787	0.06535	0.06385	0.05615	0.05424	1.09E-04	5.733E-06	1.1145E-07	6.06E-08	1.15E-04	1.33E-04	7.03E-06	1.10E-07	3.39E-08	1.40E-04	1.17E-04	5.404E-06	1.068E-07	3.504E-08	0.000123
1824 495611.06, 3859101.99	0.05727	0.06464	0.06319	0.05564	0.0536	1.08E-04	5.671E-06	1.1044E-07	5.989E-08	1.13E-04	1.32E-04	6.95E-06	1.09E-07	3.35E-08	1.39E-04	1.16E-04	5.346E-06	1.058E-07	3.462E-08	0.0001218
1825 495661.06, 3859101.99	0.05722	0.06457	0.06316	0.05565	0.05365	1.08E-04	5.665E-06	1.1045E-07	5.994E-08	1.13E-04	1.32E-04	6.94E-06	1.09E-07	3.36E-08	1.39E-04	1.16E-04	5.34E-06	1.059E-07	3.466E-08	0.0001217
1826 494311.06, 3859151.99	0.07538	0.08412	0.08153	0.06977	0.07306	1.42E-04	7.38E-06	1.3848E-07	8.163E-08	1.49E-04	1.74E-04	9.04E-06	1.37E-07	4.57E-08	1.83E-04	1.53E-04	6.957E-06	1.327E-07	4.719E-08	0.0001602
1827 494361.06, 3859151.99	0.07502	0.08383	0.08119	0.06951	0.0728	1.41E-04	7.354E-06	1.3796E-07	8.134E-08	1.49E-04	1.73E-04	9.01E-06	1.36E-07	4.55E-08	1.82E-04	1.52E-04	6.933E-06	1.322E-07	4.703E-08	0.0001594
1828 494411.06, 3859151.99	0.07422	0.08306	0.08044	0.06892	0.07181	1.39E-04	7.287E-06	1.3679E-07	8.023E-08	1.47E-04	1.71E-04	8.93E-06	1.35E-07	4.49E-08	1.80E-04	1.51E-04	6.869E-06	1.311E-07	4.639E-08	0.0001577
1829 494461.06, 3859151.99	0.0734	0.08225	0.07965	0.0683	0.07079	1.38E-04	7.216E-06	1.3556E-07	7.909E-08	1.45E-04	1.69E-04	8.84E-06	1.34E-07	4.43E-08	1.78E-04	1.49E-04	6.802E-06	1.299E-07	4.573E-08	0.000156
1830 494511.06, 3859151.99	0.07233	0.08117	0.07863	0.0675	0.06942	1.36E-04	7.121E-06	1.3398E-07	7.756E-08	1.43E-04	1.67E-04	8.73E-06	1.32E-07	4.34E-08	1.75E-04	1.47E-04	6.713E-06	1.284E-07	4.484E-08	0.0001537
1831 494561.06, 3859151.99	0.07166	0.08052	0.07798	0.06699	0.06868	1.35E-04	7.064E-06	1.3296E-07	7.674E-08	1.42E-04	1.65E-04	8.66E-06	1.31E-07	4.30E-08	1.74E-04	1.45E-04	6.659E-06	1.274E-07	4.437E-08	0.0001523
1832 494611.06, 3859151.99	0.07057	0.07937	0.07691	0.06614	0.06732	1.33E-04	6.963E-06	1.3128E-07	7.522E-08	1.40E-04	1.63E-04	8.53E-06	1.30E-07	4.21E-08	1.71E-04	1.43E-04	6.564E-06	1.258E-07	4.349E-08	0.00015
1833 494661.06, 3859151.99	0.06984	0.07863	0.07619	0.06558	0.06651	1.31E-04	6.898E-06	1.3016E-07	7.431E-08	1.38E-04	1.61E-04	8.45E-06	1.28E-07	4.16E-08	1.69E-04	1.42E-04	6.503E-06	1.247E-07	4.296E-08	0.0001485
1834 494711.06, 3859151.99	0.06921	0.07799	0.07556	0.06509	0.06584	1.30E-04	6.842E-06	1.2919E-07	7.356E-08	1.37E-04	1.59E-04	8.38E-06	1.28E-07	4.12E-08	1.68E-04	1.41E-04	6.45E-06	1.238E-07	4.253E-08	0.0001471
1835 494761.06, 3859151.99	0.0679	0.07657	0.07424	0.06404	0.06427	1.28E-04	6.717E-06	1.2711E-07	7.181E-08	1.35E-04	1.56E-04	8.23E-06	1.25E-07	4.02E-08	1.65E-04	1.38E-04	6.332E-06	1.218E-07	4.152E-08	0.0001444
1836 494811.06, 3859151.99	0.06679	0.07534	0.0731	0.06313	0.063	1.26E-04	6.609E-06	1.253E-07	7.039E-08	1.32E-04	1.54E-04	8.10E-06	1.24E-07	3.94E-08	1.62E-04	1.36E-04	6.231E-06	1.201E-07	4.07E-08	0.000142

1837 494861.06, 3859151.99	0.06605	0.07455	0.07234	0.06254	0.06223	1.24E-04	6.54E-06	1.2413E-07	6.953E-08	1.31E-04	1.52E-04	8.01E-06	1.23E-07	3.89E-08	1.60E-04	1.34E-04	6.165E-06	1.19E-07	4.02E-08	0.0001404
1838 494911.06, 3859151.99	0.06465	0.07296	0.07087	0.06136	0.06066	1.21E-04	6.401E-06	1.2179E-07	6.778E-08	1.28E-04	1.49E-04	7.84E-06	1.20E-07	3.79E-08	1.57E-04	1.31E-04	6.034E-06	1.167E-07	3.918E-08	0.0001375
1839 494961.06, 3859151.99	0.06278	0.07086	0.06895	0.05982	0.05848	1.18E-04	6.216E-06	1.1873E-07	6.534E-08	1.24E-04	1.45E-04	7.62E-06	1.17E-07	3.66E-08	1.52E-04	1.27E-04	5.86E-06	1.138E-07	3.778E-08	0.0001335
1840 495011.06, 3859151.99	0.06085	0.06857	0.06678	0.05804	0.0566	1.14E-04	6.015E-06	1.152E-07	6.324E-08	1.21E-04	1.40E-04	7.37E-06	1.14E-07	3.54E-08	1.48E-04	1.24E-04	5.671E-06	1.104E-07	3.656E-08	0.0001294
1841 495061.06, 3859151.99	0.06066	0.0684	0.0666	0.05792	0.05649	1.14E-04	6.001E-06	1.1496E-07	6.312E-08	1.20E-04	1.40E-04	7.35E-06	1.13E-07	3.53E-08	1.47E-04	1.23E-04	5.657E-06	1.102E-07	3.649E-08	0.000129
1842 495111.06, 3859151.99	0.0603	0.06801	0.06623	0.05765	0.05619	1.13E-04	5.966E-06	1.1442E-07	6.278E-08	1.19E-04	1.39E-04	7.31E-06	1.13E-07	3.51E-08	1.46E-04	1.22E-04	5.624E-06	1.097E-07	3.63E-08	0.0001282
1843 495161.06, 3859151.99	0.06066	0.06848	0.06665	0.05804	0.05666	1.14E-04	6.008E-06	1.152E-07	6.331E-08	1.20E-04	1.40E-04	7.36E-06	1.14E-07	3.54E-08	1.47E-04	1.23E-04	5.663E-06	1.104E-07	3.66E-08	0.000129
1844 495211.06, 3859151.99	0.06036	0.06816	0.06635	0.05783	0.05643	1.13E-04	5.979E-06	1.1478E-07	6.305E-08	1.20E-04	1.39E-04	7.33E-06	1.13E-07	3.53E-08	1.46E-04	1.23E-04	5.637E-06	1.1E-07	3.645E-08	0.0001283
1845 495261.06, 3859151.99	0.06008	0.06786	0.06608	0.05764	0.05622	1.13E-04	5.953E-06	1.144E-07	6.282E-08	1.19E-04	1.38E-04	7.30E-06	1.13E-07	3.52E-08	1.46E-04	1.22E-04	5.612E-06	1.096E-07	3.632E-08	0.0001277
1846 495311.06, 3859151.99	0.05989	0.06766	0.06589	0.05753	0.0561	1.13E-04	5.936E-06	1.1419E-07	6.268E-08	1.19E-04	1.38E-04	7.27E-06	1.13E-07	3.51E-08	1.45E-04	1.22E-04	5.595E-06	1.094E-07	3.624E-08	0.0001273
1847 495361.06, 3859151.99	0.05964	0.06739	0.06564	0.05736	0.05591	1.12E-04	5.912E-06	1.1385E-07	6.247E-08	1.18E-04	1.37E-04	7.24E-06	1.12E-07	3.50E-08	1.45E-04	1.21E-04	5.573E-06	1.091E-07	3.612E-08	0.0001268
1848 495411.06, 3859151.99	0.0599	0.06772	0.06595	0.05766	0.05629	1.13E-04	5.941E-06	1.1444E-07	6.289E-08	1.19E-04	1.38E-04	7.28E-06	1.13E-07	3.52E-08	1.45E-04	1.22E-04	5.6E-06	1.097E-07	3.636E-08	0.0001274
1849 495461.06, 3859151.99	0.05968	0.06748	0.06573	0.05752	0.05614	1.12E-04	5.92E-06	1.1417E-07	6.273E-08	1.18E-04	1.37E-04	7.25E-06	1.13E-07	3.51E-08	1.45E-04	1.21E-04	5.581E-06	1.094E-07	3.626E-08	0.0001269
1850 495511.06, 3859151.99	0.05901	0.0667	0.06501	0.05696	0.05547	1.11E-04	5.851E-06	1.1306E-07	6.198E-08	1.17E-04	1.36E-04	7.17E-06	1.12E-07	3.47E-08	1.43E-04	1.20E-04	5.516E-06	1.084E-07	3.583E-08	0.0001255
1851 495561.06, 3859151.99	0.05853	0.06615	0.06451	0.05657	0.05501	1.10E-04	5.803E-06	1.1228E-07	6.146E-08	1.16E-04	1.35E-04	7.11E-06	1.11E-07	3.44E-08	1.42E-04	1.19E-04	5.471E-06	1.076E-07	3.553E-08	0.0001245
1852 495611.06, 3859151.99	0.05812	0.06567	0.06407	0.05625	0.05463	1.09E-04	5.761E-06	1.1165E-07	6.104E-08	1.15E-04	1.34E-04	7.06E-06	1.10E-07	3.42E-08	1.41E-04	1.18E-04	5.431E-06	1.07E-07	3.529E-08	0.0001236
1853 495661.06, 3859151.99	0.05778	0.06527	0.06371	0.05599	0.05432	1.09E-04	5.726E-06	1.1113E-07	6.069E-08	1.14E-04	1.33E-04	7.02E-06	1.10E-07	3.40E-08	1.40E-04	1.17E-04	5.398E-06	1.065E-07	3.509E-08	0.0001229
1854 494311.06, 3859201.99	0.07534	0.08345	0.08105	0.06939	0.07377	1.42E-04	7.321E-06	1.3773E-07	8.242E-08	1.49E-04	1.73E-04	8.97E-06	1.36E-07	4.61E-08	1.83E-04	1.53E-04	6.901E-06	1.32E-07	4.765E-08	0.00016
1855 494361.06, 3859201.99	0.07483	0.08301	0.08058	0.06903	0.07324	1.41E-04	7.282E-06	1.3701E-07	8.183E-08	1.48E-04	1.72E-04	8.92E-06	1.35E-07	4.58E-08	1.81E-04	1.52E-04	6.865E-06	1.313E-07	4.731E-08	0.000159
1856 494411.06, 3859201.99	0.07416	0.08239	0.07997	0.06854	0.07242	1.39E-04	7.228E-06	1.3604E-07	8.092E-08	1.47E-04	1.71E-04	8.86E-06	1.34E-07	4.53E-08	1.80E-04	1.51E-04	6.814E-06	1.304E-07	4.678E-08	0.0001576
1857 494461.06, 3859201.99	0.07321	0.08146	0.0791	0.06786	0.07113	1.38E-04	7.146E-06	1.3469E-07	7.947E-08	1.45E-04	1.69E-04	8.76E-06	1.33E-07	4.45E-08	1.78E-04	1.49E-04	6.737E-06	1.291E-07	4.595E-08	0.0001556
1858 494511.06, 3859201.99	0.07254	0.08084	0.07848	0.06736	0.07033	1.36E-04	7.092E-06	1.337E-07	7.858E-08	1.44E-04	1.67E-04	8.69E-06	1.32E-07	4.40E-08	1.76E-04	1.47E-04	6.685E-06	1.281E-07	4.543E-08	0.0001541
1859 494561.06, 3859201.99	0.07146	0.07975	0.07746	0.06656	0.06887	1.34E-04	6.996E-06	1.3211E-07	7.695E-08	1.41E-04	1.65E-04	8.57E-06	1.30E-07	4.31E-08	1.73E-04	1.45E-04	6.595E-06	1.266E-07	4.449E-08	0.0001519
1860 494611.06, 3859201.99	0.07059	0.07889	0.07663	0.0659	0.06779	1.33E-04	6.921E-06	1.308E-07	7.574E-08	1.40E-04	1.63E-04	8.48E-06	1.29E-07	4.24E-08	1.71E-04	1.43E-04	6.524E-06	1.254E-07	4.379E-08	0.00015
1861 494661.06, 3859201.99	0.06989	0.0782	0.07595	0.06536	0.06697	1.31E-04	6.86E-06	1.2973E-07	7.483E-08	1.38E-04	1.61E-04	8.41E-06	1.28E-07	4.19E-08	1.70E-04	1.42E-04	6.467E-06	1.243E-07	4.326E-08	0.0001485
1862 494711.06, 3859201.99	0.06917	0.0775	0.07526	0.06481	0.06615	1.30E-04	6.799E-06	1.2864E-07	7.391E-08	1.37E-04	1.59E-04	8.33E-06	1.27E-07	4.14E-08	1.68E-04	1.40E-04	6.409E-06	1.233E-07	4.273E-08	0.000147
1863 494761.06, 3859201.99	0.068	0.07627	0.07411	0.06389	0.06468	1.28E-04	6.691E-06	1.2681E-07	7.227E-08	1.35E-04	1.57E-04	8.20E-06	1.25E-07	4.05E-08	1.65E-04	1.38E-04	6.307E-06	1.215E-07	4.178E-08	0.0001445
1864 494811.06, 3859201.99	0.06701	0.07522	0.07311	0.0631	0.06351	1.26E-04	6.599E-06	1.2524E-07	7.096E-08	1.33E-04	1.54E-04	8.09E-06	1.24E-07	3.97E-08	1.63E-04	1.36E-04	6.221E-06	1.2E-07	4.103E-08	0.0001424
1865 494861.06, 3859201.99	0.06589	0.07405	0.07203	0.06223	0.06204	1.24E-04	6.496E-06	1.2352E-07	6.932E-08	1.31E-04	1.52E-04	7.96E-06	1.22E-07	3.88E-08	1.60E-04	1.34E-04	6.124E-06	1.184E-07	4.008E-08	0.0001401
1866 494911.06, 3859201.99	0.06435	0.0723	0.07038	0.06091	0.06039	1.21E-04	6.343E-06	1.209E-07	6.747E-08	1.27E-04	1.48E-04	7.77E-06	1.19E-07	3.78E-08	1.56E-04	1.31E-04	5.979E-06	1.159E-07	3.901E-08	0.0001368
1867 494961.06, 3859201.99	0.06274	0.07048	0.06868	0.05953	0.05859	1.18E-04	6.183E-06	1.1816E-07	6.546E-08	1.24E-04	1.44E-04	7.58E-06	1.17E-07	3.66E-08	1.52E-04	1.27E-04	5.829E-06	1.132E-07	3.785E-08	0.0001334
1868 495011.06, 3859201.99	0.06056	0.06798	0.06635	0.05762	0.0562	1.14E-04	5.964E-06	1.1437E-07	6.279E-08	1.20E-04	1.39E-04	7.31E-06	1.13E-07	3.51E-08	1.47E-04	1.23E-04	5.622E-06	1.096E-07	3.63E-08	0.0001287
1869 495061.06, 3859201.99	0.06131	0.06894	0.06719	0.05834	0.05719	1.15E-04	6.048E-06	1.1579E-07	6.39E-08	1.21E-04	1.41E-04	7.41E-06	1.14E-07	3.58E-08	1.49E-04	1.24E-04	5.701E-06	1.11E-07	3.694E-08	0.0001303
1870 495111.06, 3859201.99	0.06125	0.06893	0.06715	0.05834	0.05723	1.15E-04	6.047E-06	1.1579E-07	6.394E-08	1.21E-04	1.41E-04	7.41E-06	1.14E-07	3.58E-08	1.49E-04	1.24E-04	5.7E-06	1.11E-07	3.697E-08	0.0001302
1871 495161.06, 3859201.99	0.06107	0.06879	0.06698	0.05823	0.05715	1.15E-04	6.035E-06	1.1558E-07	6.385E-08	1.21E-04	1.41E-04	7.40E-06	1.14E-07	3.57E-08	1.48E-04	1.24E-04	5.689E-06	1.108E-07	3.692E-08	0.0001298
1872 495211.06, 3859201.99	0.06059	0.06827	0.06648	0.05785	0.05671	1.14E-04	5.989E-06	1.1482E-07	6.336E-08	1.20E-04	1.40E-04	7.34E-06	1.13E-07	3.55E-08	1.47E-04	1.23E-04	5.646E-06	1.1E-07	3.663E-08	0.0001288
1873 495261.06, 3859201.99	0.06055	0.06827	0.06647	0.05787	0.05678	1.14E-04	5.989E-06	1.1486E-07	6.344E-08	1.20E-04	1.39E-04	7.34E-06	1.13E-07	3.55E-08	1.47E-04	1.23E-04	5.646E-06	1.101E-07	3.668E-08	0.0001287
1874 495311.06, 3859201.99	0.06036	0.06809	0.06628	0.05775	0.05667	1.13E-04	5.973E-06	1.1462E-07	6.332E-08	1.20E-04	1.39E-04	7.32E-06	1.13E-07	3.54E-08	1.46E-04	1.23E-04	5.631E-06	1.099E-07	3.661E-08	0.0001283
1875 495361.06, 3859201.99	0.06023	0.06798	0.06617	0.05769	0.05664	1.13E-04	5.964E-06	1.145E-07	6.328E-08	1.19E-04	1.39E-04	7.31E-06	1.13E-07	3.54E-08	1.46E-04	1.22E-04	5.622E-06	1.097E-07	3.659E-08	0.0001281
1876 495411.06, 3859201.99	0.06038	0.06819	0.06635	0.05788	0.05694	1.13E-04	5.982E-06	1.1488E-07	6.362E-08	1.20E-04	1.39E-04	7.33E-06	1.13E-07	3.56E-08	1.47E-04	1.23E-04	5.639E-06	1.101E-07	3.678E-08	0.0001284
1877 495461.06, 3859201.99	0.06005	0.06784	0.06601	0.05764	0.05666	1.13E-04	5.951E-06	1.144E-07	6.331E-08	1.19E-04	1.38E-04	7.29E-06	1.13E-07	3.54E-08	1.46E-04	1.22E-04	5.61E-06	1.096E-07	3.66E-08	0.0001277
1878 495511.06, 3859201.99	0.05973	0.06749	0.06568	0.0574	0.05639	1.12E-04	5.921E-06	1.1393E-07	6.301E-08	1.18E-04	1.38E-04	7.26E-06	1.12E-07	3.53E-08	1.45E-04	1.21E-04	5.581E-06	1.092E-07	3.643E-08	0.000127
1879 495561.06, 3859201.99	0.05901	0.06667	0.06493	0.05681	0.05564	1.11E-04	5.849E-06	1.1276E-07	6.217E-08	1.17E-04	1.36E-04	7.17E-06	1.11E-07	3.48E-08	1.43E-04	1.20E-04	5.514E-06	1.081E-07	3.594E-08	0.0001255
1880 495611.06, 3859201.99	0.05851	0.0661	0.0644	0.0564	0.05515	1.10E-04	5.799E-06	1.1194E-07	6.162E-08	1.16E-04	1.35E-04	7.11E-06	1.10E-07	3.45E-08	1.42E-04	1.19E-04	5.466E-06	1.073E-07	3.563E-08	0.0001244
1881 495661.06, 3859201.99	0.05818	0.06573	0.06406	0.05616	0.05486	1.09E-04	5.766E-06	1.1147E-07	6.13E-08	1.15E-04	1.34E-04	7.07E-06	1.10E-07	3.43E-08	1.41E-04	1.18E-04	5.436E-06	1.068E-07	3.544E-08	0.0001237
1882 494311.06, 3859251.99	0.07518	0.0827	0.0804	0.06891	0.07445	1.41E-04	7.255E-06	1.3677E-07	8.318E-08	1.49E-04	1.73E-04	8.89E-06	1.35E-07	4.66E-08	1.82E-04	1.53E-04	6.839E-06	1.311E-07	4.809E-08	0.0001597
1883 494361.06, 3859251.99	0.07449	0.08207	0.07981	0.06844	0.07356	1.40E-04	7.2E-06	1.3584E-07	8.219E-08	1.47E-04	1.72E-04	8.82E-06	1.34E-07	4.60E-08	1.81E-04	1.51E-04	6.787E-06	1.302E-07	4.752E-08	0.0001582
1884 494411.06, 3859251.99	0.07358	0.08119	0.07901	0.06781	0.07224	1.38E-04	7.123E-06	1.3459E-07	8.071E-08	1.46E-04	1.69E-04	8.73E-06	1.33E-07	4.52E-08	1.78E-04	1.49E-04	6.714E-06	1.29E-07	4.666E-08	0.0001563
1885 494461.06, 3859251.99	0.07295	0.08061	0.07844	0.06735	0.07146	1.37E-04	7.072E-06	1.3368E-07	7.984E-08	1.44E-04	1.68E-04	8.67E-06	1.32E-07	4.47E-08	1.77E-04	1.48E-04	6.666E-06	1.281E-07	4.616E-08	0.000155
1886 494511.06, 3859251.99	0.07193	0.07962	0.07753	0.06663	0.07001	1.35E-04	6.985E-06	1.3225E-07	7.822E-08	1.42E-04	1.66E-04	8.56E-06	1.31E-07	4.38E-08	1.74E-04	1.46E-04	6.584E-06	1.267E-07	4.522E-08	0.0001528
1887 494561.06, 3859251.99	0.07124	0.07896	0.07689	0.06611	0.06914	1.34E-04	6.927E-06	1.3122E-07	7.725E-08	1.41E-04	1.64E-04	8.49E-06	1.30E-07	4.32E-08	1.73E-04	1.45E-04	6.53E-06	1.258E-07	4.466E-08	0.0001513
1888 494611.06, 3859251.99	0.07033	0.07807	0.07605	0.06544	0.06794	1.32E-04	6.849E-06	1.2989E-07	7.591E-08	1.39E-04	1.62E-04	8.39E-06	1.28E-07	4.25E-08	1.71E-04	1.43E-04	6.456E-06	1.245E-07	4.389E-08	0.0001494
1889 494661.06, 3859251.99	0.06981	0.0776	0.07556	0.06505	0.06738	1.31E-04	6.808E-06	1.2911E-07	7.528E-08	1.38E-04	1.61E-04	8.34E-06	1.27E-07	4.21E-08	1.69E-04	1.42E-04	6.417E-06	1.237E-07	4.353E-08	0.0001483
1890 494711.06, 3859251.99	0.06912	0.07694	0.0749	0.06453	0.06654	1.30E-04	6.75E-06	1.2808E-07	7.435E-08	1.37E-04	1.59E-04	8.27E-06	1.26E-07	4.16E-08	1.68E-04	1.40E-04	6.363E-06	1.228E-07	4.298E-08	0.0001469
1891 494761.06, 3859251.99	0.06743	0.0752	0.07333	0.06325	0.06407	1.27E-04	6.597E-06	1.2554E-07	7.159E-08	1.34E-04	1.55E-04	8.08E-06	1.24E-07	4.01E-08	1.64E-04	1.37E-04	6.219E-06	1.203E-07	4.139E-08	0.0001433
1892 494811.06, 3859251.99	0.0671	0.07487	0.07295	0.06296	0.06395	1.26E-04	6.568E-06	1.2496E-07	7.145E-08	1.33E-04	1.55E-04	8.05E-06	1.23E-07	4.00E-08	1.63E-04	1.36E-04	6.192E-06	1.198E-07	4.131E-08	0.0001426
1893 494861.06, 3859251.99	0.06551	0.07322	0.07145	0.06177	0.06184	1.23E-04	6.423E-06	1.226E-07	6.909E-08	1.30E-04	1.51E-04	7.87E-06	1.21E-07	3.87E-08	1.59E-04	1.33E-04	6.055E-06	1.175E-07	3.995E-08	0.0001392
1894 494911.06, 3859251.99	0.06402	0.07153	0.06985	0.06045	0.06011	1.20E-04	6.275E-06	1.1998E-07	6.716E-08	1.27E-04	1.47E-04	7.69E-06	1.18E-07	3.76E-08	1.55E-04	1.30E-04	5.915E-06	1.15E-07	3.883E-08	0.0001361
1895 494961.06, 3859251.99	0.06323	0.07071	0.06904	0.0598	0.05927	1.19E-04	6.203E-06	1.1869E-07	6.622E-08	1.25E-04	1.46E-04	7.60E-06	1.17E-07	3.71E-08	1.53E-04	1.28E-04	5.848E-06	1.138E-07	3.829E-08	0.0001344
1896 495011.06, 3859251.99	0.06227	0.06968	0.06805	0.059	0.05824	1.17E-04	6.113E-06	1.171E-07	6.507E-08	1.23E-04	1.43E-04	7.49E-06	1.16E-07	3.64E-08	1.51E-04	1.26E-04	5.762E-06	1.122E-07	3.762E-08	0.0001323
1897 495061.06, 3859251.99	0.06228	0.06978	0.06808	0.05904	0.0584	1.17E-04	6.122E-06	1.1718E-07	6.525E-08	1.23E-04	1.43E-04	7.50E-06	1.16E-07	3.65E-08	1.51E-04	1.26E-04	5.771E-06	1.123E-07	3.772E-08	0.0001324
1898 495111.06, 3859251.99	0.06189	0.06939	0.06768	0.05873	0.05805	1.16E-04	6.087E-06	1.1657E-07	6.486E-08	1.23E-04	1.43E-04	7.46E-06	1.15E-07	3.63E-08	1.50E-04	1.26E-04	5.738E-06	1.117E-07	3.75E-08	0.0001315
1899 495161.06, 3859251.99	0.06168	0.06922	0.06748	0.05859	0.05794	1.16E-04	6.072E-06	1.1629E-07	6.474E-08	1.22E-04	1.42E-04	7.44E-06	1.15E-07	3.62E-08	1.50E-04	1.25E-04	5.724E-06	1.115E-07	3.743E-08	0.0001311
1900 495211.06, 3859251.99	0.06124	0.06878	0.06703	0.05824	0.05754	1.15E-04	6.034E-06	1.156E-07	6.429E-08	1.21E-04	1.41E-04	7.39E-06	1.14E-07	3.60E-08	1.49E-04	1.24E-04	5.688E-06	1.108E-07	3.717E-08	0.0001302
1901 495261.06, 3859251.99	0.0611	0.06873	0.06698	0.05824	0.05742	1.15E-04	6.029E-06	1.156E-07	6.416E-08	1.21E-04	1.41E-04	7.39E-06	1.14E-07	3.59E-08	1.48E-04	1.24E-04	5.684E-06	1.108E-07	3.709E-08	0.0001299
1902 495311.06, 3859251.99	0.06102	0.06865	0.06684	0.05813	0.05755	1.15E-04	6.022E-06	1.1538E-07	6.43E-08	1.21E-04	1.41E-04	7.38E-06	1.14E-07	3.60E-08	1.48E-04	1.24E-04	5.677E-06	1.106E-07	3.718E-08	0.0001297
1903 495361.06, 3859251.99	0.06075	0.06839	0.06657	0.05794	0.05736	1.14E-04	6E-06	1.15E-07	6.409E-08	1.20E-04	1.40E-04	7.35E-06	1.13E-07	3.59E-08	1.47E-04	1.23E-04	5.656E-06	1.102E-07	3.705E-08	0.0001291
1904 495411.06, 3859251.99	0.06081	0.06851	0.06665	0.05803	0.05758	1.14E-04	6.01E-06	1.1518E-07	6.433E-08	1.20E-04	1.40E-04	7.36E-06	1.14E-07	3.60E-08	1.48E-04	1.23E-04	5.666E-06	1.104E-07	3.719E-08	0.0001293
1905 495461.06, 3859251.99	0.0605	0.0682	0.06634	0.05781	0.05734	1.14E-04	5.983E-06	1.1474E-07	6.407E-08	1.20E-04	1.39E-04	7.33E-06	1.13E-07	3.59E-08	1.47E-04	1.23E-04	5.64E-06	1.1E-07	3.704E-08	0.0001286
1906 495511.06, 3859251.99	0.0598	0.06743	0.06562	0.05725	0.05659	1.12E-04	5.915E-06	1.1363E-07	6.323E-08	1.18E-04	1.38E-04	7.25E-06	1.12E-07	3.54E-08	1.45E-04	1.21E-04	5.576E-06	1.089E-07	3.656E-08	0.0001271
1907 495561.06, 3859251.99	0.0594	0.067	0.06521	0.05694	0.05623	1.12E-04	5.878E-06	1.1302E-07	6.283E-08	1.18E-04	1.37E-04	7.20E-06	1.12E-07	3.52E-08	1.44E-04	1.21E-04	5.541E-06	1.083E-07	3.632E-08	0.0001263
1908 495611.06, 3859251.99	0.0588	0.06632	0.06458	0.05645	0.05559	1.10E-04	5.818E-06	1.1204E-07	6.211E-08	1.16E-04	1.35E-04	7.13E-06	1.11E-07	3.48E-08	1.43E-04	1.19E-04	5.485E-06	1.074E-07	3.591E-08	0.000125
1909 495661.06, 3859251.99	0.05839	0.06589	0.06417	0.05614	0.05522	1.10E-04	5.78E-06	1.1143E-07	6.17E-08	1.16E-04	1.34E-04	7.08E-06	1.10E-07	3.45E-08	1.42E-04	1.19E-04	5.449E-06	1.068E-07	3.567E-08	0.0001241
1910 494311.06, 3859301.99	0.07483	0.08183	0.07957	0.06827	0.07491	1.41E-04	7.179E-06	1.355E-07	8.37E-08	1.48E-04	1.72E-04	8.80E-06	1.34E-07	4.69E-08	1.81E-04	1.52E-04	6.767E-06	1.299E-07	4.839E-08	0.0001589
1911 494361.06, 3859301.99	0.07414	0.08118	0.07899	0.06781	0.07396	1.39E-04	7.122E-06	1.3459E-07	8.264E-08	1.47E-04	1.71E-04	8.73E-06	1.33E-07	4.63E-08	1.80E-04	1.51E-04	6.713E-06	1.29E-07	4.778E-08	0.0001574
1912 494411.06, 3859301.99	0.07328	0.08036	0.07827	0.06724	0.07266	1.38E-04	7.05E-06	1.3346E-07	8.118E-08	1.45E-04	1.69E-04	8.64E-06	1.32E-07	4.54E-08	1.78E-04	1.49E-04	6.646E-06	1.279E-07	4.694E-08	0.0001556
1913 494461.06, 3859301.99	0.07241	0.07952	0.07752	0.06665	0.07138	1.36E-04	6.976E-06	1.3229E-07	7.975E-08	1.43E-04	1.67E-04	8.55E-06	1.31E-07	4.46E-08	1.75E-04	1.47E-04	6.576E-06	1.268E-07	4.611E-08	0.0001538
1914 494511.06, 3859301.99	0.07162	0.07876	0.07683	0.0661	0.07027	1.35E-04	6.909E-06	1.312E-07	7.851E-08	1.42E-04	1.65E-04	8.47E-06	1.29E-07	4.39E-08	1.74E-04	1.45E-04	6.513E-06	1.257E-07	4.539E-08	0.0001521
1915 494561.06, 3859301.99	0.07097	0.07815	0.07625	0.06563	0.06944	1.33E-04	6.856E-06	1.3026E-07	7.759E-08	1.40E-04	1.63E-04	8.40E-06	1.29E-07	4.34E-08	1.72E-04	1.44E-04	6.463E-06	1.248E-07	4.486E-08	0.0001507
1916 494611.06, 3859301.99	0.07025	0.07747	0.0756	0.06511	0.06849	1.32E-04	6.796E-06	1.2923E-07	7.652E-08	1.39E-04	1.62E-04	8.33E-06	1.28E-07	4.28E-08	1.70E-04	1.43E-04	6.407E-06	1.239E-07	4.424E-08	0.0001492

1917 494661.06, 3859301.99	0.06954	0.07679	0.07495	0.06459	0.06756	1.31E-04	6.737E-06	1.282E-07	7.549E-08	1.38E-04	1.60E-04	8.26E-06	1.27E-07	4.23E-08	1.69E-04	1.41E-04	6.35E-06	1.229E-07	4.364E-08	0.0001477
1918 494711.06, 3859301.99	0.06867	0.07594	0.07415	0.06395	0.0664	1.29E-04	6.662E-06	1.2693E-07	7.419E-08	1.36E-04	1.58E-04	8.16E-06	1.25E-07	4.15E-08	1.66E-04	1.39E-04	6.28E-06	1.216E-07	4.289E-08	0.0001459
1919 494761.06, 3859301.99	0.0679	0.07518	0.07342	0.06336	0.0654	1.28E-04	6.595E-06	1.2576E-07	7.307E-08	1.34E-04	1.56E-04	8.08E-06	1.24E-07	4.09E-08	1.65E-04	1.38E-04	6.217E-06	1.205E-07	4.225E-08	0.0001442
1920 494811.06, 3859301.99	0.06678	0.07404	0.07236	0.0625	0.06389	1.25E-04	6.495E-06	1.2405E-07	7.139E-08	1.32E-04	1.54E-04	7.96E-06	1.22E-07	4.00E-08	1.62E-04	1.36E-04	6.123E-06	1.189E-07	4.127E-08	0.0001419
1921 494861.06, 3859301.99	0.0652	0.07237	0.07083	0.06126	0.06178	1.23E-04	6.349E-06	1.2159E-07	6.903E-08	1.29E-04	1.50E-04	7.78E-06	1.20E-07	3.86E-08	1.58E-04	1.32E-04	5.985E-06	1.165E-07	3.991E-08	0.0001385
1922 494911.06, 3859301.99	0.06438	0.07153	0.07001	0.06059	0.06082	1.21E-04	6.275E-06	1.2026E-07	6.796E-08	1.27E-04	1.48E-04	7.69E-06	1.19E-07	3.80E-08	1.56E-04	1.31E-04	5.915E-06	1.153E-07	3.929E-08	0.0001368
1923 494961.06, 3859301.99	0.06275	0.06978	0.06839	0.05927	0.05874	1.18E-04	6.122E-06	1.1764E-07	6.563E-08	1.24E-04	1.45E-04	7.50E-06	1.16E-07	3.67E-08	1.52E-04	1.27E-04	5.771E-06	1.127E-07	3.794E-08	0.0001333
1924 495011.06, 3859301.99	0.06213	0.06916	0.06776	0.05875	0.05809	1.17E-04	6.067E-06	1.1661E-07	6.49E-08	1.23E-04	1.43E-04	7.43E-06	1.15E-07	3.63E-08	1.51E-04	1.26E-04	5.719E-06	1.118E-07	3.752E-08	0.000132
1925 495061.06, 3859301.99	0.06281	0.07007	0.06852	0.05941	0.05915	1.18E-04	6.147E-06	1.1792E-07	6.609E-08	1.24E-04	1.45E-04	7.53E-06	1.16E-07	3.70E-08	1.52E-04	1.28E-04	5.795E-06	1.13E-07	3.821E-08	0.0001335
1926 495111.06, 3859301.99	0.06193	0.06911	0.06759	0.05863	0.05814	1.16E-04	6.063E-06	1.1637E-07	6.496E-08	1.23E-04	1.43E-04	7.43E-06	1.15E-07	3.64E-08	1.50E-04	1.26E-04	5.715E-06	1.115E-07	3.756E-08	0.0001316
1927 495161.06, 3859301.99	0.06171	0.06892	0.06734	0.05844	0.05811	1.16E-04	6.046E-06	1.1599E-07	6.493E-08	1.22E-04	1.42E-04	7.41E-06	1.14E-07	3.63E-08	1.50E-04	1.25E-04	5.7E-06	1.112E-07	3.754E-08	0.0001311
1928 495211.06, 3859301.99	0.06185	0.06916	0.0675	0.05859	0.05846	1.16E-04	6.067E-06	1.1629E-07	6.532E-08	1.22E-04	1.42E-04	7.43E-06	1.15E-07	3.66E-08	1.50E-04	1.26E-04	5.719E-06	1.115E-07	3.776E-08	0.0001314
1929 495261.06, 3859301.99	0.06176	0.06913	0.06742	0.05854	0.05852	1.16E-04	6.065E-06	1.1619E-07	6.539E-08	1.22E-04	1.42E-04	7.43E-06	1.15E-07	3.66E-08	1.50E-04	1.25E-04	5.717E-06	1.114E-07	3.78E-08	0.0001313
1930 495311.06, 3859301.99	0.06115	0.06851	0.06681	0.05805	0.05787	1.15E-04	6.01E-06	1.1522E-07	6.466E-08	1.21E-04	1.41E-04	7.36E-06	1.14E-07	3.62E-08	1.48E-04	1.24E-04	5.666E-06	1.104E-07	3.738E-08	0.00013
1931 495361.06, 3859301.99	0.06113	0.06855	0.0668	0.05807	0.05802	1.15E-04	6.014E-06	1.1526E-07	6.483E-08	1.21E-04	1.41E-04	7.37E-06	1.14E-07	3.63E-08	1.48E-04	1.24E-04	5.669E-06	1.105E-07	3.748E-08	0.0001299
1932 495411.06, 3859301.99	0.06092	0.06837	0.06659	0.05792	0.05791	1.14E-04	5.998E-06	1.1496E-07	6.47E-08	1.21E-04	1.40E-04	7.35E-06	1.13E-07	3.62E-08	1.48E-04	1.24E-04	5.654E-06	1.102E-07	3.741E-08	0.0001295
1933 495461.06, 3859301.99	0.06078	0.06827	0.06645	0.05783	0.05788	1.14E-04	5.989E-06	1.1478E-07	6.467E-08	1.20E-04	1.40E-04	7.34E-06	1.13E-07	3.62E-08	1.47E-04	1.23E-04	5.646E-06	1.1E-07	3.739E-08	0.0001292
1934 495511.06, 3859301.99	0.06024	0.0677	0.06591	0.0574	0.05731	1.13E-04	5.939E-06	1.1393E-07	6.403E-08	1.19E-04	1.39E-04	7.28E-06	1.12E-07	3.58E-08	1.46E-04	1.22E-04	5.599E-06	1.092E-07	3.702E-08	0.0001281
1935 495561.06, 3859301.99	0.05937	0.06675	0.06502	0.05669	0.05632	1.12E-04	5.856E-06	1.1252E-07	6.293E-08	1.18E-04	1.37E-04	7.18E-06	1.11E-07	3.52E-08	1.44E-04	1.21E-04	5.52E-06	1.078E-07	3.638E-08	0.0001262
1936 495611.06, 3859301.99	0.05898	0.06635	0.06463	0.0564	0.05597	1.11E-04	5.821E-06	1.1194E-07	6.254E-08	1.17E-04	1.36E-04	7.13E-06	1.10E-07	3.50E-08	1.43E-04	1.20E-04	5.487E-06	1.073E-07	3.615E-08	0.0001254
1937 495661.06, 3859301.99	0.05859	0.06594	0.06423	0.05609	0.0556	1.10E-04	5.785E-06	1.1133E-07	6.212E-08	1.16E-04	1.35E-04	7.09E-06	1.10E-07	3.48E-08	1.42E-04	1.19E-04	5.453E-06	1.067E-07	3.592E-08	0.0001246
1938 494311.06, 3859351.99	0.07421	0.08078	0.07852	0.06745	0.07489	1.39E-04	7.087E-06	1.3388E-07	8.368E-08	1.47E-04	1.71E-04	8.68E-06	1.32E-07	4.68E-08	1.80E-04	1.51E-04	6.68E-06	1.283E-07	4.838E-08	0.0001575
1939 494361.06, 3859351.99	0.07355	0.08014	0.07797	0.06703	0.07396	1.38E-04	7.03E-06	1.3304E-07	8.264E-08	1.45E-04	1.69E-04	8.62E-06	1.31E-07	4.63E-08	1.78E-04	1.49E-04	6.627E-06	1.275E-07	4.778E-08	0.0001561
1940 494411.06, 3859351.99	0.07267	0.07928	0.07725	0.06647	0.07254	1.37E-04	6.955E-06	1.3193E-07	8.105E-08	1.44E-04	1.67E-04	8.52E-06	1.30E-07	4.54E-08	1.76E-04	1.48E-04	6.556E-06	1.264E-07	4.686E-08	0.0001543
1941 494461.06, 3859351.99	0.07188	0.07852	0.07659	0.06595	0.07137	1.35E-04	6.888E-06	1.309E-07	7.974E-08	1.42E-04	1.66E-04	8.44E-06	1.29E-07	4.46E-08	1.74E-04	1.46E-04	6.494E-06	1.255E-07	4.61E-08	0.0001526
1942 494511.06, 3859351.99	0.07116	0.07782	0.07598	0.06546	0.07035	1.34E-04	6.827E-06	1.2993E-07	7.86E-08	1.41E-04	1.64E-04	8.37E-06	1.28E-07	4.40E-08	1.72E-04	1.44E-04	6.436E-06	1.245E-07	4.544E-08	0.0001511
1943 494561.06, 3859351.99	0.0706	0.0773	0.07549	0.06507	0.06965	1.33E-04	6.781E-06	1.2915E-07	7.782E-08	1.40E-04	1.63E-04	8.31E-06	1.27E-07	4.36E-08	1.71E-04	1.43E-04	6.393E-06	1.238E-07	4.499E-08	0.0001499
1944 494611.06, 3859351.99	0.06995	0.07668	0.07492	0.06461	0.06879	1.31E-04	6.727E-06	1.2824E-07	7.686E-08	1.38E-04	1.61E-04	8.24E-06	1.27E-07	4.30E-08	1.69E-04	1.42E-04	6.341E-06	1.229E-07	4.444E-08	0.0001485
1945 494661.06, 3859351.99	0.06927	0.07602	0.07431	0.06412	0.06785	1.30E-04	6.669E-06	1.2727E-07	7.581E-08	1.37E-04	1.60E-04	8.17E-06	1.26E-07	4.24E-08	1.68E-04	1.41E-04	6.287E-06	1.22E-07	4.383E-08	0.0001471
1946 494711.06, 3859351.99	0.06839	0.07516	0.07353	0.06348	0.0666	1.29E-04	6.594E-06	1.26E-07	7.441E-08	1.35E-04	1.57E-04	8.08E-06	1.24E-07	4.17E-08	1.66E-04	1.39E-04	6.216E-06	1.208E-07	4.302E-08	0.0001452
1947 494761.06, 3859351.99	0.06728	0.07411	0.07259	0.06273	0.06493	1.26E-04	6.501E-06	1.2451E-07	7.255E-08	1.33E-04	1.55E-04	7.97E-06	1.23E-07	4.06E-08	1.63E-04	1.37E-04	6.129E-06	1.193E-07	4.194E-08	0.0001429
1948 494811.06, 3859351.99	0.0657	0.07239	0.07104	0.06147	0.06269	1.23E-04	6.351E-06	1.2201E-07	7.004E-08	1.30E-04	1.51E-04	7.78E-06	1.20E-07	3.92E-08	1.59E-04	1.33E-04	5.987E-06	1.169E-07	4.05E-08	0.0001395
1949 494861.06, 3859351.99	0.06505	0.07177	0.07042	0.06097	0.06194	1.22E-04	6.296E-06	1.2101E-07	6.921E-08	1.29E-04	1.50E-04	7.72E-06	1.19E-07	3.87E-08	1.58E-04	1.32E-04	5.935E-06	1.16E-07	4.001E-08	0.0001382
1950 494911.06, 3859351.99	0.06461	0.07137	0.07	0.06062	0.0615	1.21E-04	6.261E-06	1.2032E-07	6.871E-08	1.28E-04	1.49E-04	7.67E-06	1.19E-07	3.85E-08	1.57E-04	1.31E-04	5.902E-06	1.153E-07	3.973E-08	0.0001372
1951 494961.06, 3859351.99	0.06386	0.07062	0.06927	0.06002	0.0606	1.20E-04	6.195E-06	1.1913E-07	6.771E-08	1.26E-04	1.47E-04	7.59E-06	1.18E-07	3.79E-08	1.55E-04	1.30E-04	5.84E-06	1.142E-07	3.915E-08	0.0001357
1952 495011.06, 3859351.99	0.06331	0.07009	0.06873	0.05958	0.06001	1.19E-04	6.149E-06	1.1826E-07	6.705E-08	1.25E-04	1.46E-04	7.53E-06	1.17E-07	3.75E-08	1.53E-04	1.29E-04	5.796E-06	1.133E-07	3.876E-08	0.0001345
1953 495061.06, 3859351.99	0.06356	0.07046	0.06898	0.05978	0.06057	1.19E-04	6.181E-06	1.1865E-07	6.768E-08	1.26E-04	1.46E-04	7.57E-06	1.17E-07	3.79E-08	1.54E-04	1.29E-04	5.827E-06	1.137E-07	3.913E-08	0.000135
1954 495111.06, 3859351.99	0.06295	0.06986	0.06838	0.05929	0.05988	1.18E-04	6.129E-06	1.1768E-07	6.69E-08	1.25E-04	1.45E-04	7.51E-06	1.16E-07	3.75E-08	1.53E-04	1.28E-04	5.777E-06	1.128E-07	3.868E-08	0.0001337
1955 495161.06, 3859351.99	0.06264	0.0696	0.06808	0.05905	0.05964	1.18E-04	6.106E-06	1.172E-07	6.664E-08	1.24E-04	1.44E-04	7.48E-06	1.16E-07	3.73E-08	1.52E-04	1.27E-04	5.756E-06	1.123E-07	3.853E-08	0.0001331
1956 495211.06, 3859351.99	0.0623	0.06929	0.06774	0.05878	0.05933	1.17E-04	6.079E-06	1.1667E-07	6.629E-08	1.23E-04	1.43E-04	7.45E-06	1.15E-07	3.71E-08	1.51E-04	1.26E-04	5.73E-06	1.118E-07	3.833E-08	0.0001324
1957 495261.06, 3859351.99	0.06216	0.06922	0.06761	0.05868	0.05934	1.17E-04	6.072E-06	1.1647E-07	6.63E-08	1.23E-04	1.43E-04	7.44E-06	1.15E-07	3.71E-08	1.51E-04	1.26E-04	5.724E-06	1.116E-07	3.833E-08	0.0001321
1958 495311.06, 3859351.99	0.06165	0.06872	0.06711	0.05828	0.0588	1.16E-04	6.029E-06	1.1568E-07	6.57E-08	1.22E-04	1.42E-04	7.39E-06	1.14E-07	3.68E-08	1.50E-04	1.25E-04	5.683E-06	1.109E-07	3.798E-08	0.000131
1959 495361.06, 3859351.99	0.06134	0.06845	0.06681	0.05804	0.05855	1.15E-04	6.005E-06	1.152E-07	6.542E-08	1.21E-04	1.41E-04	7.36E-06	1.14E-07	3.66E-08	1.49E-04	1.25E-04	5.661E-06	1.104E-07	3.782E-08	0.0001304
1960 495411.06, 3859351.99	0.06118	0.06833	0.06665	0.05792	0.0585	1.15E-04	5.994E-06	1.1496E-07	6.536E-08	1.21E-04	1.41E-04	7.35E-06	1.13E-07	3.66E-08	1.48E-04	1.24E-04	5.651E-06	1.102E-07	3.779E-08	0.00013
1961 495461.06, 3859351.99	0.06111	0.06832	0.06658	0.05788	0.05861	1.15E-04	5.993E-06	1.1488E-07	6.549E-08	1.21E-04	1.41E-04	7.34E-06	1.13E-07	3.67E-08	1.48E-04	1.24E-04	5.65E-06	1.101E-07	3.786E-08	0.0001299
1962 495511.06, 3859351.99	0.06041	0.06759	0.06589	0.05733	0.05778	1.14E-04	5.929E-06	1.1379E-07	6.456E-08	1.20E-04	1.39E-04	7.27E-06	1.12E-07	3.61E-08	1.47E-04	1.23E-04	5.59E-06	1.091E-07	3.732E-08	0.0001284
1963 495561.06, 3859351.99	0.05988	0.06705	0.06536	0.05691	0.05721	1.13E-04	5.882E-06	1.1296E-07	6.392E-08	1.19E-04	1.38E-04	7.21E-06	1.11E-07	3.58E-08	1.45E-04	1.22E-04	5.545E-06	1.083E-07	3.696E-08	0.0001273
1964 495611.06, 3859351.99	0.0595	0.06668	0.06499	0.05662	0.05685	1.12E-04	5.85E-06	1.1238E-07	6.352E-08	1.18E-04	1.37E-04	7.17E-06	1.11E-07	3.56E-08	1.44E-04	1.21E-04	5.514E-06	1.077E-07	3.672E-08	0.0001265
1965 495661.06, 3859351.99	0.05878	0.06591	0.06426	0.05604	0.05603	1.10E-04	5.782E-06	1.1123E-07	6.26E-08	1.16E-04	1.35E-04	7.09E-06	1.10E-07	3.50E-08	1.43E-04	1.19E-04	5.451E-06	1.066E-07	3.619E-08	0.0001249
1966 494311.06, 3859401.99	0.07368	0.07992	0.07754	0.06666	0.07518	1.38E-04	7.011E-06	1.3231E-07	8.4E-08	1.46E-04	1.70E-04	8.59E-06	1.31E-07	4.70E-08	1.78E-04	1.50E-04	6.609E-06	1.268E-07	4.856E-08	0.0001564
1967 494361.06, 3859401.99	0.07287	0.07911	0.07689	0.06619	0.07382	1.37E-04	6.94E-06	1.3137E-07	8.248E-08	1.44E-04	1.68E-04	8.50E-06	1.30E-07	4.62E-08	1.76E-04	1.48E-04	6.542E-06	1.259E-07	4.769E-08	0.0001547
1968 494411.06, 3859401.99	0.07202	0.07826	0.07621	0.06567	0.07238	1.35E-04	6.866E-06	1.3034E-07	8.087E-08	1.42E-04	1.66E-04	8.41E-06	1.29E-07	4.53E-08	1.74E-04	1.46E-04	6.472E-06	1.249E-07	4.676E-08	0.0001529
1969 494461.06, 3859401.99	0.07133	0.07759	0.07564	0.06523	0.07138	1.34E-04	6.807E-06	1.2947E-07	7.975E-08	1.41E-04	1.64E-04	8.34E-06	1.28E-07	4.46E-08	1.73E-04	1.45E-04	6.417E-06	1.241E-07	4.611E-08	0.0001514
1970 494511.06, 3859401.99	0.07084	0.07711	0.07522	0.06489	0.07079	1.33E-04	6.765E-06	1.2879E-07	7.909E-08	1.40E-04	1.63E-04	8.29E-06	1.27E-07	4.43E-08	1.72E-04	1.44E-04	6.377E-06	1.234E-07	4.573E-08	0.0001504
1971 494561.06, 3859401.99	0.07026	0.07655	0.07473	0.0645	0.07002	1.32E-04	6.715E-06	1.2802E-07	7.823E-08	1.39E-04	1.62E-04	8.23E-06	1.26E-07	4.38E-08	1.70E-04	1.43E-04	6.331E-06	1.227E-07	4.523E-08	0.0001492
1972 494611.06, 3859401.99	0.06957	0.07587	0.07414	0.06403	0.069	1.31E-04	6.656E-06	1.2709E-07	7.709E-08	1.38E-04	1.60E-04	8.16E-06	1.25E-07	4.32E-08	1.69E-04	1.41E-04	6.274E-06	1.218E-07	4.457E-08	0.0001477
1973 494661.06, 3859401.99	0.06904	0.07537	0.07368	0.06365	0.06835	1.30E-04	6.612E-06	1.2633E-07	7.637E-08	1.37E-04	1.59E-04	8.10E-06	1.25E-07	4.27E-08	1.67E-04	1.40E-04	6.233E-06	1.211E-07	4.415E-08	0.0001466
1974 494711.06, 3859401.99	0.06842	0.07477	0.07314	0.06321	0.06749	1.29E-04	6.559E-06	1.2546E-07	7.541E-08	1.35E-04	1.58E-04	8.04E-06	1.24E-07	4.22E-08	1.66E-04	1.39E-04	6.183E-06	1.202E-07	4.36E-08	0.0001453
1975 494761.06, 3859401.99	0.06729	0.07372	0.07223	0.0625	0.06571	1.26E-04	6.467E-06	1.2405E-07	7.342E-08	1.33E-04	1.55E-04	7.93E-06	1.22E-07	4.11E-08	1.63E-04	1.37E-04	6.097E-06	1.189E-07	4.245E-08	0.0001429
1976 494811.06, 3859401.99	0.06639	0.07275	0.07136	0.06178	0.06441	1.25E-04	6.382E-06	1.2262E-07	7.197E-08	1.31E-04	1.53E-04	7.82E-06	1.21E-07	4.03E-08	1.61E-04	1.35E-04	6.016E-06	1.175E-07	4.161E-08	0.000141
1977 494861.06, 3859401.99	0.06525	0.07159	0.07031	0.06093	0.06275	1.23E-04	6.28E-06	1.2093E-07	7.011E-08	1.29E-04	1.50E-04	7.70E-06	1.19E-07	3.92E-08	1.58E-04	1.32E-04	5.92E-06	1.159E-07	4.053E-08	0.0001386
1978 494911.06, 3859401.99	0.06453	0.07092	0.06968	0.06041	0.06172	1.21E-04	6.222E-06	1.199E-07	6.896E-08	1.28E-04	1.49E-04	7.62E-06	1.18E-07	3.86E-08	1.56E-04	1.31E-04	5.865E-06	1.149E-07	3.987E-08	0.000137
1979 494961.06, 3859401.99	0.06409	0.07047	0.06922	0.06003	0.06137	1.20E-04	6.182E-06	1.1915E-07	6.857E-08	1.27E-04	1.48E-04	7.58E-06	1.18E-07	3.84E-08	1.55E-04	1.30E-04	5.828E-06	1.142E-07	3.964E-08	0.0001361
1980 495011.06, 3859401.99	0.06378	0.07021	0.06893	0.05978	0.06112	1.20E-04	6.159E-06	1.1865E-07	6.829E-08	1.26E-04	1.47E-04	7.55E-06	1.17E-07	3.82E-08	1.55E-04	1.29E-04	5.806E-06	1.137E-07	3.948E-08	0.0001355
1981 495061.06, 3859401.99	0.0636	0.07014	0.06881	0.05969	0.06099	1.20E-04	6.153E-06	1.1847E-07	6.814E-08	1.26E-04	1.46E-04	7.54E-06	1.17E-07	3.81E-08	1.54E-04	1.29E-04	5.8E-06	1.135E-07	3.94E-08	0.0001351
1982 495111.06, 3859401.99	0.06298	0.06953	0.06821	0.05918	0.06021	1.18E-04	6.1E-06	1.1746E-07	6.727E-08	1.25E-04	1.45E-04	7.47E-06	1.16E-07	3.77E-08	1.53E-04	1.28E-04	5.75E-06	1.126E-07	3.889E-08	0.0001338
1983 495161.06, 3859401.99	0.06274	0.0693	0.06793	0.05895	0.06016	1.18E-04	6.079E-06	1.17E-07	6.722E-08	1.24E-04	1.44E-04	7.45E-06	1.15E-07	3.76E-08	1.52E-04	1.27E-04	5.731E-06	1.121E-07	3.886E-08	0.0001333
1984 495211.06, 3859401.99	0.06262	0.06925	0.06781	0.05885	0.06021	1.18E-04	6.075E-06	1.1681E-07	6.727E-08	1.24E-04	1.44E-04	7.44E-06	1.15E-07	3.77E-08	1.52E-04	1.27E-04	5.727E-06	1.119E-07	3.889E-08	0.000133
1985 495261.06, 3859401.99	0.0623	0.06897	0.0675	0.05859	0.05993	1.17E-04	6.051E-06	1.1629E-07	6.696E-08	1.23E-04	1.43E-04	7.41E-06	1.15E-07	3.75E-08	1.51E-04	1.26E-04	5.704E-06	1.115E-07	3.871E-08	0.0001323
1986 495311.06, 3859401.99	0.06193	0.06864	0.06714	0.0583	0.05957	1.16E-04	6.022E-06	1.1571E-07	6.656E-08	1.23E-04	1.43E-04	7.38E-06	1.14E-07	3.73E-08	1.50E-04	1.26E-04	5.676E-06	1.109E-07	3.848E-08	0.0001316
1987 495361.06, 3859401.99	0.06187	0.06864	0.06708	0.05825	0.0597	1.16E-04	6.022E-06	1.1562E-07	6.67E-08	1.22E-04	1.42E-04	7.38E-06	1.14E-07	3.73E-08	1.50E-04	1.26E-04	5.676E-06	1.108E-07	3.856E-08	0.0001314
1988 495411.06, 3859401.99	0.06162	0.06844	0.06684	0.05806	0.05954	1.16E-04	6.004E-06	1.1524E-07	6.652E-08	1.22E-04	1.42E-04	7.36E-06	1.14E-07	3.72E-08	1.49E-04	1.25E-04	5.66E-06	1.104E-07	3.846E-08	0.0001309
1989 495461.06, 3859401.99	0.06117	0.06802	0.06641	0.05771	0.05906	1.15E-04	5.967E-06	1.1454E-07	6.599E-08	1.21E-04	1.41E-04	7.31E-06	1.13E-07	3.69E-08	1.48E-04	1.24E-04	5.625E-06	1.098E-07	3.815E-08	0.00013
1990 495511.06, 3859401.99	0.06053	0.06738	0.06579	0.05721	0.05828	1.14E-04	5.911E-06	1.1355E-07	6.512E-08	1.20E-04	1.39E-04	7.24E-06	1.12E-07	3.65E-08	1.47E-04	1.23E-04	5.572E-06	1.088E-07	3.765E-08	0.0001286
1991 495561.06, 3859401.99	0.05978	0.0666	0.06505	0.05662	0.05734	1.12E-04	5.843E-06	1.1238E-07	6.407E-08	1.18E-04	1.38E-04	7.16E-06	1.11E-07	3.59E-08	1.45E-04	1.21E-04	5.508E-06	1.077E-07	3.704E-08	0.000127
1992 495611.06, 3859401.99	0.05935	0.06618	0.06463	0.05628	0.0569	1.12E-04	5.806E-06	1.1171E-07	6.358E-08	1.18E-04	1.37E-04	7.11E-06	1.10E-07	3.56E-08	1.44E-04	1.21E-04	5.473E-06	1.071E-07	3.676E-08	0.0001261
1993 495661.06, 3859401.99	0.05899	0.06584	0.06428	0.05601	0.05656	1.11E-04	5.776E-06	1.1117E-07	6.32E-08	1.17E-04	1.36E-04	7.08E-06	1.10E-07	3.54E-08	1.43E-04	1.20E-04	5.445E-06	1.065E-07	3.654E-08	0.0001254
1994 494311.06, 3859451.99	0.07282	0.0788	0.07633	0.06569	0.07468	1.37E-04	6.913E-06	1.3038E-07	8.344E-08	1.44E-04	1.68E-04	8.47E-06	1.29E-07	4.67E-08	1.76E-04	1.48E-04	6.517E-06	1.25E-07	4.824E-08	0.0001545
1995 494361.06, 3859451.99	0.07212	0.07809	0.07578	0.06529	0.07353	1.36E-04	6.851E-06	1.2959E-07	8.216E-08	1.43E-04	1.66E-04	8.39E-06	1.28E-07	4.60E-08	1.75E-04	1.46E-04	6.458E-06	1.242E-07	4.75E-08	0.0001531
1996 494411.06, 3859451.99	0.07115	0.07712	0.07502	0.06474	0.07175	1.34E-04	6.765E-06	1.285E-07	8.017E-08	1.41E-04	1.64E-04	8.29E-06	1.27E-07	4.49E-08	1.72E-04	1.44E-04	6.378E-06	1.232E-07	4.635E-08	0.000151

1997 494461.06, 3859451.99	0.07074	0.0767	0.07467	0.06446	0.07135	1.33E-04	6.729E-06	1.2794E-07	7.972E-08	1.40E-04	1.63E-04	8.25E-06	1.26E-07	4.46E-08	1.71E-04	1.44E-04	6.343E-06	1.226E-07	4.609E-08	0.0001501
1998 494511.06, 3859451.99	0.07011	0.07607	0.07414	0.06406	0.07042	1.32E-04	6.673E-06	1.2715E-07	7.868E-08	1.39E-04	1.61E-04	8.18E-06	1.25E-07	4.40E-08	1.70E-04	1.42E-04	6.291E-06	1.219E-07	4.549E-08	0.0001488
1999 494561.06, 3859451.99	0.06958	0.07554	0.0737	0.0637	0.06972	1.31E-04	6.627E-06	1.2643E-07	7.79E-08	1.38E-04	1.60E-04	8.12E-06	1.25E-07	4.36E-08	1.69E-04	1.41E-04	6.247E-06	1.212E-07	4.504E-08	0.0001477
2000 494611.06, 3859451.99	0.06923	0.07519	0.07338	0.06344	0.06941	1.30E-04	6.596E-06	1.2592E-07	7.755E-08	1.37E-04	1.59E-04	8.08E-06	1.24E-07	4.34E-08	1.68E-04	1.41E-04	6.218E-06	1.207E-07	4.484E-08	0.0001469
2001 494661.06, 3859451.99	0.06854	0.07451	0.07281	0.06299	0.06837	1.29E-04	6.537E-06	1.2502E-07	7.639E-08	1.36E-04	1.58E-04	8.01E-06	1.23E-07	4.28E-08	1.66E-04	1.39E-04	6.162E-06	1.198E-07	4.416E-08	0.0001455
2002 494711.06, 3859451.99	0.06784	0.07382	0.07223	0.06253	0.06732	1.27E-04	6.476E-06	1.2411E-07	7.522E-08	1.34E-04	1.56E-04	7.94E-06	1.22E-07	4.21E-08	1.64E-04	1.38E-04	6.105E-06	1.189E-07	4.349E-08	0.000144
2003 494761.06, 3859451.99	0.06724	0.07324	0.07171	0.06211	0.0665	1.26E-04	6.425E-06	1.2328E-07	7.43E-08	1.33E-04	1.55E-04	7.87E-06	1.22E-07	4.16E-08	1.63E-04	1.37E-04	6.057E-06	1.181E-07	4.296E-08	0.0001427
2004 494811.06, 3859451.99	0.06634	0.07234	0.07093	0.06149	0.06509	1.25E-04	6.346E-06	1.2205E-07	7.273E-08	1.31E-04	1.53E-04	7.78E-06	1.20E-07	4.07E-08	1.61E-04	1.35E-04	5.982E-06	1.17E-07	4.205E-08	0.0001408
2005 494861.06, 3859451.99	0.06557	0.07157	0.07025	0.06094	0.06397	1.23E-04	6.279E-06	1.2095E-07	7.147E-08	1.30E-04	1.51E-04	7.69E-06	1.19E-07	4.00E-08	1.59E-04	1.33E-04	5.919E-06	1.159E-07	4.132E-08	0.0001392
2006 494911.06, 3859451.99	0.06497	0.07099	0.06971	0.06049	0.06319	1.22E-04	6.228E-06	1.2006E-07	7.06E-08	1.29E-04	1.50E-04	7.63E-06	1.18E-07	3.95E-08	1.57E-04	1.32E-04	5.871E-06	1.151E-07	4.082E-08	0.0001379
2007 494961.06, 3859451.99	0.0646	0.07065	0.06937	0.0602	0.06282	1.21E-04	6.198E-06	1.1949E-07	7.019E-08	1.28E-04	1.49E-04	7.60E-06	1.18E-07	3.93E-08	1.57E-04	1.31E-04	5.843E-06	1.145E-07	4.058E-08	0.0001372
2008 495011.06, 3859451.99	0.06414	0.07021	0.06895	0.05985	0.06228	1.21E-04	6.159E-06	1.1879E-07	6.959E-08	1.27E-04	1.48E-04	7.55E-06	1.17E-07	3.90E-08	1.55E-04	1.30E-04	5.806E-06	1.138E-07	4.023E-08	0.0001362
2009 495061.06, 3859451.99	0.06368	0.06978	0.06852	0.05949	0.06176	1.20E-04	6.122E-06	1.1808E-07	6.901E-08	1.26E-04	1.47E-04	7.50E-06	1.17E-07	3.86E-08	1.54E-04	1.29E-04	5.771E-06	1.132E-07	3.989E-08	0.0001352
2010 495111.06, 3859451.99	0.06321	0.06934	0.06808	0.05912	0.06121	1.19E-04	6.083E-06	1.1734E-07	6.839E-08	1.25E-04	1.46E-04	7.45E-06	1.16E-07	3.83E-08	1.53E-04	1.28E-04	5.734E-06	1.125E-07	3.954E-08	0.0001342
2011 495161.06, 3859451.99	0.06297	0.06915	0.06786	0.05893	0.06106	1.18E-04	6.066E-06	1.1697E-07	6.822E-08	1.25E-04	1.45E-04	7.43E-06	1.15E-07	3.82E-08	1.53E-04	1.28E-04	5.719E-06	1.121E-07	3.944E-08	0.0001337
2012 495211.06, 3859451.99	0.0628	0.06904	0.0677	0.05879	0.06104	1.18E-04	6.057E-06	1.1669E-07	6.82E-08	1.24E-04	1.45E-04	7.42E-06	1.15E-07	3.82E-08	1.52E-04	1.28E-04	5.71E-06	1.118E-07	3.943E-08	0.0001334
2013 495261.06, 3859451.99	0.06261	0.0689	0.0675	0.05862	0.06096	1.18E-04	6.044E-06	1.1635E-07	6.811E-08	1.24E-04	1.44E-04	7.41E-06	1.15E-07	3.81E-08	1.52E-04	1.27E-04	5.698E-06	1.115E-07	3.938E-08	0.000133
2014 495311.06, 3859451.99	0.06223	0.06856	0.06715	0.05833	0.06058	1.17E-04	6.015E-06	1.1577E-07	6.769E-08	1.23E-04	1.43E-04	7.37E-06	1.14E-07	3.79E-08	1.51E-04	1.26E-04	5.67E-06	1.11E-07	3.913E-08	0.0001322
2015 495361.06, 3859451.99	0.06193	0.06831	0.06687	0.05809	0.06032	1.16E-04	5.993E-06	1.153E-07	6.74E-08	1.23E-04	1.43E-04	7.34E-06	1.14E-07	3.77E-08	1.50E-04	1.26E-04	5.649E-06	1.105E-07	3.896E-08	0.0001315
2016 495411.06, 3859451.99	0.06154	0.06795	0.0665	0.05778	0.0599	1.16E-04	5.961E-06	1.1468E-07	6.693E-08	1.22E-04	1.42E-04	7.30E-06	1.13E-07	3.75E-08	1.49E-04	1.25E-04	5.619E-06	1.099E-07	3.869E-08	0.0001307
2017 495461.06, 3859451.99	0.06123	0.06768	0.06619	0.05754	0.05961	1.15E-04	5.937E-06	1.1421E-07	6.66E-08	1.21E-04	1.41E-04	7.28E-06	1.13E-07	3.73E-08	1.48E-04	1.24E-04	5.597E-06	1.095E-07	3.851E-08	0.0001301
2018 495511.06, 3859451.99	0.06052	0.06698	0.06553	0.057	0.05867	1.14E-04	5.876E-06	1.1313E-07	6.555E-08	1.20E-04	1.39E-04	7.20E-06	1.12E-07	3.67E-08	1.47E-04	1.23E-04	5.539E-06	1.084E-07	3.79E-08	0.0001286
2019 495561.06, 3859451.99	0.06006	0.06654	0.06509	0.05664	0.05816	1.13E-04	5.837E-06	1.1242E-07	6.498E-08	1.19E-04	1.38E-04	7.15E-06	1.11E-07	3.64E-08	1.46E-04	1.22E-04	5.503E-06	1.077E-07	3.757E-08	0.0001276
2020 495611.06, 3859451.99	0.05962	0.06612	0.06466	0.05629	0.05766	1.12E-04	5.8E-06	1.1173E-07	6.442E-08	1.18E-04	1.37E-04	7.11E-06	1.10E-07	3.61E-08	1.45E-04	1.21E-04	5.468E-06	1.071E-07	3.725E-08	0.0001267
2021 495661.06, 3859451.99	0.05921	0.06573	0.06426	0.05597	0.05722	1.11E-04	5.766E-06	1.1109E-07	6.393E-08	1.17E-04	1.36E-04	7.07E-06	1.10E-07	3.58E-08	1.44E-04	1.20E-04	5.436E-06	1.065E-07	3.696E-08	0.0001258
2022 494311.06, 3859501.99	0.07205	0.07781	0.07521	0.06475	0.07444	1.35E-04	6.826E-06	1.2852E-07	8.317E-08	1.42E-04	1.66E-04	8.36E-06	1.27E-07	4.66E-08	1.74E-04	1.46E-04	6.435E-06	1.232E-07	4.809E-08	0.0001529
2023 494361.06, 3859501.99	0.07139	0.07715	0.07469	0.06439	0.07332	1.34E-04	6.768E-06	1.278E-07	8.192E-08	1.41E-04	1.64E-04	8.29E-06	1.26E-07	4.59E-08	1.73E-04	1.45E-04	6.38E-06	1.225E-07	4.736E-08	0.0001515
2024 494411.06, 3859501.99	0.07029	0.07606	0.07386	0.06383	0.07114	1.32E-04	6.673E-06	1.2669E-07	7.949E-08	1.39E-04	1.62E-04	8.18E-06	1.25E-07	4.45E-08	1.70E-04	1.43E-04	6.29E-06	1.214E-07	4.595E-08	0.0001492
2025 494461.06, 3859501.99	0.07016	0.07589	0.0737	0.06367	0.07139	1.32E-04	6.658E-06	1.2637E-07	7.977E-08	1.39E-04	1.62E-04	8.16E-06	1.25E-07	4.47E-08	1.70E-04	1.42E-04	6.276E-06	1.211E-07	4.612E-08	0.0001489
2026 494511.06, 3859501.99	0.0695	0.07522	0.07317	0.06328	0.07034	1.31E-04	6.599E-06	1.256E-07	7.859E-08	1.37E-04	1.60E-04	8.09E-06	1.24E-07	4.40E-08	1.68E-04	1.41E-04	6.221E-06	1.204E-07	4.544E-08	0.0001475
2027 494561.06, 3859501.99	0.06892	0.07463	0.0727	0.06292	0.06949	1.30E-04	6.547E-06	1.2488E-07	7.764E-08	1.36E-04	1.59E-04	8.02E-06	1.23E-07	4.35E-08	1.67E-04	1.40E-04	6.172E-06	1.197E-07	4.489E-08	0.0001463
2028 494611.06, 3859501.99	0.06883	0.07452	0.07258	0.06279	0.06981	1.29E-04	6.537E-06	1.2463E-07	7.8E-08	1.36E-04	1.59E-04	8.01E-06	1.23E-07	4.37E-08	1.67E-04	1.40E-04	6.163E-06	1.194E-07	4.51E-08	0.0001461
2029 494661.06, 3859501.99	0.0681	0.07379	0.07199	0.06235	0.0686	1.28E-04	6.473E-06	1.2375E-07	7.665E-08	1.35E-04	1.57E-04	7.93E-06	1.22E-07	4.29E-08	1.65E-04	1.38E-04	6.102E-06	1.186E-07	4.431E-08	0.0001445
2030 494711.06, 3859501.99	0.06723	0.07292	0.07128	0.06181	0.0671	1.26E-04	6.397E-06	1.2268E-07	7.497E-08	1.33E-04	1.55E-04	7.84E-06	1.21E-07	4.20E-08	1.63E-04	1.37E-04	6.03E-06	1.176E-07	4.334E-08	0.0001427
2031 494761.06, 3859501.99	0.06699	0.07269	0.07106	0.06161	0.06702	1.26E-04	6.377E-06	1.2228E-07	7.488E-08	1.32E-04	1.54E-04	7.81E-06	1.21E-07	4.19E-08	1.62E-04	1.36E-04	6.011E-06	1.172E-07	4.329E-08	0.0001422
2032 494811.06, 3859501.99	0.06587	0.07155	0.07013	0.06089	0.06505	1.24E-04	6.277E-06	1.2086E-07	7.268E-08	1.30E-04	1.52E-04	7.69E-06	1.19E-07	4.07E-08	1.60E-04	1.34E-04	5.917E-06	1.158E-07	4.202E-08	0.0001398
2033 494861.06, 3859501.99	0.06536	0.07106	0.06969	0.06053	0.06441	1.23E-04	6.234E-06	1.2014E-07	7.197E-08	1.29E-04	1.51E-04	7.64E-06	1.19E-07	4.03E-08	1.58E-04	1.33E-04	5.877E-06	1.151E-07	4.161E-08	0.0001387
2034 494911.06, 3859501.99	0.06503	0.07074	0.06939	0.06027	0.0641	1.22E-04	6.206E-06	1.1962E-07	7.162E-08	1.29E-04	1.50E-04	7.60E-06	1.18E-07	4.01E-08	1.58E-04	1.32E-04	5.85E-06	1.146E-07	4.141E-08	0.000138
2035 494961.06, 3859501.99	0.0644	0.07012	0.06884	0.05983	0.06322	1.21E-04	6.151E-06	1.1875E-07	7.064E-08	1.27E-04	1.48E-04	7.54E-06	1.17E-07	3.95E-08	1.56E-04	1.31E-04	5.799E-06	1.138E-07	4.084E-08	0.0001367
2036 495011.06, 3859501.99	0.06409	0.06983	0.06855	0.05958	0.06294	1.20E-04	6.126E-06	1.1826E-07	7.032E-08	1.27E-04	1.48E-04	7.51E-06	1.17E-07	3.94E-08	1.55E-04	1.30E-04	5.775E-06	1.133E-07	4.066E-08	0.0001361
2037 495061.06, 3859501.99	0.06379	0.06955	0.06828	0.05934	0.06268	1.20E-04	6.101E-06	1.1778E-07	7.003E-08	1.26E-04	1.47E-04	7.48E-06	1.16E-07	3.92E-08	1.55E-04	1.30E-04	5.752E-06	1.129E-07	4.049E-08	0.0001354
2038 495111.06, 3859501.99	0.06319	0.06897	0.06774	0.05889	0.06185	1.19E-04	6.051E-06	1.1689E-07	6.911E-08	1.25E-04	1.46E-04	7.41E-06	1.15E-07	3.87E-08	1.53E-04	1.28E-04	5.704E-06	1.12E-07	3.995E-08	0.0001342
2039 495161.06, 3859501.99	0.06291	0.06872	0.06748	0.05867	0.06163	1.18E-04	6.029E-06	1.1645E-07	6.886E-08	1.24E-04	1.45E-04	7.39E-06	1.15E-07	3.85E-08	1.52E-04	1.28E-04	5.683E-06	1.116E-07	3.981E-08	0.0001336
2040 495211.06, 3859501.99	0.06276	0.06862	0.06733	0.05853	0.06165	1.18E-04	6.02E-06	1.1617E-07	6.888E-08	1.24E-04	1.45E-04	7.38E-06	1.15E-07	3.86E-08	1.52E-04	1.27E-04	5.675E-06	1.113E-07	3.982E-08	0.0001333
2041 495261.06, 3859501.99	0.06248	0.06837	0.06707	0.0583	0.06141	1.17E-04	5.998E-06	1.1571E-07	6.861E-08	1.24E-04	1.44E-04	7.35E-06	1.14E-07	3.84E-08	1.51E-04	1.27E-04	5.654E-06	1.109E-07	3.967E-08	0.0001327
2042 495311.06, 3859501.99	0.06225	0.06819	0.06685	0.05811	0.06128	1.17E-04	5.982E-06	1.1534E-07	6.847E-08	1.23E-04	1.43E-04	7.33E-06	1.14E-07	3.83E-08	1.51E-04	1.26E-04	5.639E-06	1.105E-07	3.958E-08	0.0001322
2043 495361.06, 3859501.99	0.06192	0.06789	0.06654	0.05785	0.06094	1.16E-04	5.956E-06	1.1482E-07	6.809E-08	1.22E-04	1.43E-04	7.30E-06	1.13E-07	3.81E-08	1.50E-04	1.26E-04	5.614E-06	1.1E-07	3.937E-08	0.0001315
2044 495411.06, 3859501.99	0.0616	0.06762	0.06625	0.0576	0.06064	1.16E-04	5.932E-06	1.1433E-07	6.775E-08	1.22E-04	1.42E-04	7.27E-06	1.13E-07	3.79E-08	1.49E-04	1.25E-04	5.592E-06	1.096E-07	3.917E-08	0.0001308
2045 495461.06, 3859501.99	0.06122	0.06727	0.06589	0.0573	0.06021	1.15E-04	5.901E-06	1.1373E-07	6.727E-08	1.21E-04	1.41E-04	7.23E-06	1.12E-07	3.77E-08	1.48E-04	1.24E-04	5.563E-06	1.09E-07	3.889E-08	0.00013
2046 495511.06, 3859501.99	0.06043	0.06653	0.06521	0.05676	0.05899	1.14E-04	5.836E-06	1.1266E-07	6.591E-08	1.20E-04	1.39E-04	7.15E-06	1.11E-07	3.69E-08	1.46E-04	1.23E-04	5.502E-06	1.08E-07	3.811E-08	0.0001283
2047 495561.06, 3859501.99	0.06021	0.06632	0.06496	0.05654	0.05892	1.13E-04	5.818E-06	1.1222E-07	6.583E-08	1.19E-04	1.39E-04	7.13E-06	1.11E-07	3.69E-08	1.46E-04	1.22E-04	5.485E-06	1.076E-07	3.806E-08	0.0001279
2048 495611.06, 3859501.99	0.05975	0.06588	0.06453	0.05618	0.05836	1.12E-04	5.779E-06	1.1151E-07	6.521E-08	1.18E-04	1.38E-04	7.08E-06	1.10E-07	3.65E-08	1.45E-04	1.21E-04	5.448E-06	1.069E-07	3.77E-08	0.0001269
2049 495661.06, 3859501.99	0.05924	0.06539	0.06405	0.05579	0.05772	1.11E-04	5.736E-06	1.1073E-07	6.449E-08	1.17E-04	1.36E-04	7.03E-06	1.09E-07	3.61E-08	1.44E-04	1.20E-04	5.408E-06	1.061E-07	3.729E-08	0.0001258
2050 494311.06, 3859551.99	0.0712	0.07678	0.07407	0.06376	0.07403	1.34E-04	6.736E-06	1.2655E-07	8.271E-08	1.41E-04	1.64E-04	8.25E-06	1.25E-07	4.63E-08	1.72E-04	1.45E-04	6.35E-06	1.213E-07	4.782E-08	0.0001511
2051 494361.06, 3859551.99	0.07048	0.07612	0.07356	0.06343	0.07272	1.32E-04	6.678E-06	1.259E-07	8.125E-08	1.39E-04	1.62E-04	8.18E-06	1.24E-07	4.55E-08	1.71E-04	1.43E-04	6.295E-06	1.207E-07	4.697E-08	0.0001496
2052 494411.06, 3859551.99	0.06945	0.07509	0.07276	0.06292	0.07051	1.31E-04	6.587E-06	1.2488E-07	7.878E-08	1.37E-04	1.60E-04	8.07E-06	1.23E-07	4.41E-08	1.68E-04	1.41E-04	6.21E-06	1.197E-07	4.555E-08	0.0001474
2053 494461.06, 3859551.99	0.06943	0.07498	0.07265	0.0628	0.07112	1.30E-04	6.578E-06	1.2465E-07	7.946E-08	1.37E-04	1.60E-04	8.06E-06	1.23E-07	4.45E-08	1.68E-04	1.41E-04	6.201E-06	1.195E-07	4.594E-08	0.0001473
2054 494511.06, 3859551.99	0.06882	0.07436	0.07217	0.06245	0.07015	1.29E-04	6.523E-06	1.2395E-07	7.838E-08	1.36E-04	1.58E-04	7.99E-06	1.22E-07	4.39E-08	1.67E-04	1.40E-04	6.149E-06	1.188E-07	4.531E-08	0.000146
2055 494561.06, 3859551.99	0.06833	0.07385	0.07176	0.06215	0.06948	1.28E-04	6.479E-06	1.2336E-07	7.763E-08	1.35E-04	1.57E-04	7.94E-06	1.22E-07	4.35E-08	1.65E-04	1.39E-04	6.107E-06	1.182E-07	4.488E-08	0.000145
2056 494611.06, 3859551.99	0.06801	0.0735	0.07148	0.06191	0.06924	1.28E-04	6.448E-06	1.2288E-07	7.736E-08	1.34E-04	1.57E-04	7.90E-06	1.21E-07	4.33E-08	1.65E-04	1.38E-04	6.078E-06	1.178E-07	4.473E-08	0.0001443
2057 494661.06, 3859551.99	0.06758	0.07305	0.07111	0.06163	0.06871	1.27E-04	6.408E-06	1.2232E-07	7.677E-08	1.34E-04	1.56E-04	7.85E-06	1.21E-07	4.30E-08	1.64E-04	1.37E-04	6.041E-06	1.172E-07	4.438E-08	0.0001434
2058 494711.06, 3859551.99	0.0664	0.07187	0.07018	0.06096	0.06641	1.25E-04	6.305E-06	1.2099E-07	7.42E-08	1.31E-04	1.53E-04	7.73E-06	1.19E-07	4.15E-08	1.61E-04	1.35E-04	5.944E-06	1.16E-07	4.29E-08	0.0001409
2059 494761.06, 3859551.99	0.06651	0.07196	0.07022	0.06095	0.06712	1.25E-04	6.313E-06	1.2097E-07	7.499E-08	1.31E-04	1.53E-04	7.74E-06	1.19E-07	4.20E-08	1.61E-04	1.35E-04	5.951E-06	1.159E-07	4.336E-08	0.0001412
2060 494811.06, 3859551.99	0.06561	0.07106	0.0695	0.0604	0.06554	1.23E-04	6.234E-06	1.1988E-07	7.323E-08	1.30E-04	1.51E-04	7.64E-06	1.18E-07	4.10E-08	1.59E-04	1.33E-04	5.877E-06	1.149E-07	4.234E-08	0.0001392
2061 494861.06, 3859551.99	0.06516	0.0706	0.06911	0.06009	0.06497	1.22E-04	6.194E-06	1.1927E-07	7.259E-08	1.29E-04	1.50E-04	7.59E-06	1.18E-07	4.06E-08	1.58E-04	1.32E-04	5.839E-06	1.143E-07	4.197E-08	0.0001383
2062 494911.06, 3859551.99	0.06462	0.07006	0.06865	0.05971	0.06421	1.21E-04	6.146E-06	1.1851E-07	7.174E-08	1.28E-04	1.49E-04	7.53E-06	1.17E-07	4.02E-08	1.56E-04	1.31E-04	5.794E-06	1.136E-07	4.148E-08	0.0001372
2063 494961.06, 3859551.99	0.06431	0.06976	0.06838	0.05948	0.06395	1.21E-04	6.12E-06	1.1806E-07	7.145E-08	1.27E-04	1.48E-04	7.50E-06	1.17E-07	4.00E-08	1.56E-04	1.31E-04	5.769E-06	1.131E-07	4.131E-08	0.0001365
2064 495011.06, 3859551.99	0.06407	0.06952	0.06815	0.05928	0.06381	1.20E-04	6.099E-06	1.1766E-07	7.13E-08	1.27E-04	1.48E-04	7.47E-06	1.16E-07	3.99E-08	1.55E-04	1.30E-04	5.749E-06	1.128E-07	4.122E-08	0.000136
2065 495061.06, 3859551.99	0.06366	0.06912	0.06779	0.05897	0.0633	1.20E-04	6.064E-06	1.1704E-07	7.073E-08	1.26E-04	1.47E-04	7.43E-06	1.16E-07	3.96E-08	1.54E-04	1.29E-04	5.716E-06	1.122E-07	4.089E-08	0.0001351
2066 495111.06, 3859551.99	0.06313	0.06861	0.06733	0.0586	0.06258	1.19E-04	6.019E-06	1.1631E-07	6.992E-08	1.25E-04	1.45E-04	7.38E-06	1.15E-07	3.91E-08	1.53E-04	1.28E-04	5.674E-06	1.115E-07	4.042E-08	0.000134
2067 495161.06, 3859551.99	0.06291	0.0684	0.06712	0.05841	0.06245	1.18E-04	6.001E-06	1.1593E-07	6.978E-08	1.24E-04	1.45E-04	7.35E-06	1.14E-07	3.91E-08	1.52E-04	1.28E-04	5.657E-06	1.111E-07	4.034E-08	0.0001335
2068 495211.06, 3859551.99	0.06275	0.06827	0.06696	0.05826	0.06248	1.18E-04	5.989E-06	1.1564E-07	6.981E-08	1.24E-04	1.45E-04	7.34E-06	1.14E-07	3.91E-08	1.52E-04	1.27E-04	5.646E-06	1.108E-07	4.036E-08	0.0001332
2069 495261.06, 3859551.99	0.06233	0.06787	0.06659	0.05795	0.06194	1.17E-04	5.954E-06	1.1502E-07	6.921E-08	1.23E-04	1.44E-04	7.30E-06	1.14E-07	3.87E-08	1.51E-04	1.27E-04	5.613E-06	1.102E-07	4.001E-08	0.0001323
2070 495311.06, 3859551.99	0.06199	0.06756	0.06628	0.05768	0.06157	1.16E-04	5.927E-06	1.1448E-07	6.879E-08	1.23E-04	1.43E-04	7.26E-06	1.13E-07	3.85E-08	1.50E-04	1.26E-04	5.587E-06	1.097E-07	3.977E-08	0.0001316
2071 495361.06, 3859551.99	0.06171	0.06731	0.06602	0.05746	0.06132	1.16E-04	5.905E-06	1.1405E-07	6.851E-08	1.22E-04	1.42E-04	7.24E-06	1.13E-07	3.84E-08	1.49E-04	1.25E-04	5.566E-06	1.093E-07	3.961E-08	0.000131
2072 495411.06, 3859551.99	0.06149	0.06712	0.06581	0.05727	0.0612	1.16E-04	5.888E-06	1.1367E-07	6.838E-08	1.22E-04	1.42E-04	7.22E-06	1.12E-07	3.83E-08	1.49E-04	1.25E-04	5.551E-06	1.089E-07	3.953E-08	0.0001305
2073 495461.06, 3859551.99	0.06095	0.06661	0.06533	0.05688	0.06043	1.15E-04	5.843E-06	1.129E-07	6.752E-08	1.21E-04	1.40E-04	7.16E-06	1.11E-07	3.78E-08	1.48E-04	1.24E-04	5.509E-06	1.082E-07	3.904E-08	0.0001294
2074 495511.06, 3859551.99	0.06038	0.06607	0.06482	0.05646	0.05962	1.13E-04	5.796E-06	1.1206E-07	6.661E-08	1.19E-04	1.39E-04	7.10E-06	1.11E-07	3.73E-08	1.46E-04	1.23E-04	5.464E-06	1.074E-07	3.851E-08	0.0001282
2075 495561.06, 3859551.99	0.06003	0.06574	0.06449	0.05618	0.05922	1.13E-04	5.767E-06	1.1151E-07	6.617E-08	1.19E-04	1.38E-04	7.07E-06	1.10E-07	3.70E-08	1.45E-04	1.22E-04	5.437E-06	1.069E-07	3.825E-08	0.0001275
2076 495611.06, 3859551.99	0.05966	0.0654	0.06415	0.0559	0.0588	1.12E-04	5.737E-06	1.1095E-07	6.57E-08	1.18E-04	1.37E-04	7.03E-06	1.10E-07	3.68E-08	1.45E-04	1.21E-04	5.408E-06	1.063E-07	3.798E-08	0.0001267

2077 495661.06, 3859551.99	0.0592	0.06497	0.06373	0.05554	0.05821	1.11E-04	5.7E-06	1.1024E-07	6.504E-08	1.17E-04	1.36E-04	6.98E-06	1.09E-07	3.64E-08	1.43E-04	1.20E-04	5.373E-06	1.057E-07	3.76E-08	0.0001257
2078 494311.06, 3859601.99	0.07038	0.07578	0.07299	0.06275	0.07383	1.32E-04	6.648E-06	1.2455E-07	8.249E-08	1.39E-04	1.62E-04	8.15E-06	1.23E-07	4.62E-08	1.70E-04	1.43E-04	6.267E-06	1.194E-07	4.769E-08	0.0001493
2079 494361.06, 3859601.99	0.06942	0.07489	0.07229	0.06238	0.07158	1.30E-04	6.57E-06	1.2381E-07	7.998E-08	1.37E-04	1.60E-04	8.05E-06	1.22E-07	4.48E-08	1.68E-04	1.41E-04	6.193E-06	1.187E-07	4.624E-08	0.0001473
2080 494411.06, 3859601.99	0.06876	0.07422	0.07175	0.06204	0.07042	1.29E-04	6.511E-06	1.2314E-07	7.868E-08	1.36E-04	1.58E-04	7.98E-06	1.22E-07	4.40E-08	1.66E-04	1.40E-04	6.138E-06	1.18E-07	4.549E-08	0.0001459
2081 494461.06, 3859601.99	0.06868	0.07408	0.07163	0.0619	0.07087	1.29E-04	6.499E-06	1.2286E-07	7.918E-08	1.36E-04	1.58E-04	7.96E-06	1.21E-07	4.43E-08	1.66E-04	1.39E-04	6.126E-06	1.177E-07	4.578E-08	0.0001457
2082 494511.06, 3859601.99	0.06795	0.07334	0.07105	0.06152	0.06947	1.28E-04	6.434E-06	1.2211E-07	7.762E-08	1.34E-04	1.56E-04	7.88E-06	1.21E-07	4.34E-08	1.65E-04	1.38E-04	6.065E-06	1.17E-07	4.488E-08	0.0001442
2083 494561.06, 3859601.99	0.06779	0.07313	0.07088	0.06136	0.06966	1.27E-04	6.415E-06	1.2179E-07	7.783E-08	1.34E-04	1.56E-04	7.86E-06	1.20E-07	4.36E-08	1.64E-04	1.38E-04	6.048E-06	1.167E-07	4.5E-08	0.0001438
2084 494611.06, 3859601.99	0.0675	0.07281	0.07061	0.06114	0.0695	1.27E-04	6.387E-06	1.2135E-07	7.765E-08	1.33E-04	1.55E-04	7.83E-06	1.20E-07	4.35E-08	1.63E-04	1.37E-04	6.021E-06	1.163E-07	4.489E-08	0.0001432
2085 494661.06, 3859601.99	0.06669	0.07204	0.07002	0.06073	0.06789	1.25E-04	6.32E-06	1.2054E-07	7.585E-08	1.32E-04	1.54E-04	7.74E-06	1.19E-07	4.25E-08	1.61E-04	1.35E-04	5.958E-06	1.155E-07	4.385E-08	0.0001415
2086 494711.06, 3859601.99	0.06591	0.07121	0.06936	0.06028	0.0665	1.24E-04	6.247E-06	1.1964E-07	7.43E-08	1.30E-04	1.52E-04	7.66E-06	1.18E-07	4.16E-08	1.60E-04	1.34E-04	5.889E-06	1.147E-07	4.296E-08	0.0001399
2087 494761.06, 3859601.99	0.06615	0.0714	0.06949	0.0603	0.06763	1.24E-04	6.264E-06	1.1968E-07	7.556E-08	1.31E-04	1.52E-04	7.68E-06	1.18E-07	4.23E-08	1.60E-04	1.34E-04	5.905E-06	1.147E-07	4.369E-08	0.0001404
2088 494811.06, 3859601.99	0.06531	0.07056	0.06882	0.05983	0.06604	1.23E-04	6.19E-06	1.1875E-07	7.379E-08	1.29E-04	1.50E-04	7.59E-06	1.17E-07	4.13E-08	1.58E-04	1.33E-04	5.835E-06	1.138E-07	4.266E-08	0.0001386
2089 494861.06, 3859601.99	0.06492	0.07016	0.06849	0.05957	0.0656	1.22E-04	6.155E-06	1.1824E-07	7.33E-08	1.28E-04	1.49E-04	7.54E-06	1.17E-07	4.10E-08	1.57E-04	1.32E-04	5.802E-06	1.133E-07	4.238E-08	0.0001378
2090 494911.06, 3859601.99	0.06425	0.06948	0.06794	0.05915	0.06448	1.21E-04	6.095E-06	1.174E-07	7.204E-08	1.27E-04	1.48E-04	7.47E-06	1.16E-07	4.03E-08	1.56E-04	1.30E-04	5.746E-06	1.125E-07	4.165E-08	0.0001364
2091 494961.06, 3859601.99	0.06425	0.06947	0.06791	0.05908	0.06492	1.21E-04	6.094E-06	1.1726E-07	7.254E-08	1.27E-04	1.48E-04	7.47E-06	1.16E-07	4.06E-08	1.56E-04	1.30E-04	5.745E-06	1.124E-07	4.194E-08	0.0001364
2092 495011.06, 3859601.99	0.06355	0.06876	0.06732	0.05864	0.06372	1.19E-04	6.032E-06	1.1639E-07	7.12E-08	1.26E-04	1.46E-04	7.39E-06	1.15E-07	3.99E-08	1.54E-04	1.29E-04	5.686E-06	1.115E-07	4.116E-08	0.0001349
2093 495061.06, 3859601.99	0.06341	0.06861	0.06718	0.0585	0.06381	1.19E-04	6.019E-06	1.1611E-07	7.13E-08	1.25E-04	1.46E-04	7.38E-06	1.15E-07	3.99E-08	1.54E-04	1.29E-04	5.674E-06	1.113E-07	4.122E-08	0.0001346
2094 495111.06, 3859601.99	0.06288	0.06809	0.06673	0.05814	0.06303	1.18E-04	5.973E-06	1.154E-07	7.042E-08	1.24E-04	1.45E-04	7.32E-06	1.14E-07	3.94E-08	1.52E-04	1.28E-04	5.631E-06	1.106E-07	4.072E-08	0.0001335
2095 495161.06, 3859601.99	0.06268	0.06789	0.06654	0.05796	0.06296	1.18E-04	5.956E-06	1.1504E-07	7.035E-08	1.24E-04	1.44E-04	7.30E-06	1.14E-07	3.94E-08	1.52E-04	1.27E-04	5.614E-06	1.103E-07	4.067E-08	0.000133
2096 495211.06, 3859601.99	0.06236	0.06758	0.06626	0.05772	0.06263	1.17E-04	5.929E-06	1.1456E-07	6.998E-08	1.23E-04	1.44E-04	7.27E-06	1.13E-07	3.92E-08	1.51E-04	1.27E-04	5.589E-06	1.098E-07	4.046E-08	0.0001324
2097 495261.06, 3859601.99	0.0621	0.06734	0.06602	0.05751	0.06244	1.17E-04	5.908E-06	1.1415E-07	6.977E-08	1.23E-04	1.43E-04	7.24E-06	1.13E-07	3.91E-08	1.50E-04	1.26E-04	5.569E-06	1.094E-07	4.033E-08	0.0001318
2098 495311.06, 3859601.99	0.06187	0.06713	0.06581	0.05732	0.0623	1.16E-04	5.889E-06	1.1377E-07	6.961E-08	1.22E-04	1.42E-04	7.22E-06	1.12E-07	3.90E-08	1.50E-04	1.26E-04	5.552E-06	1.09E-07	4.024E-08	0.0001313
2099 495361.06, 3859601.99	0.06152	0.0668	0.0655	0.05706	0.06189	1.16E-04	5.86E-06	1.1325E-07	6.915E-08	1.22E-04	1.42E-04	7.18E-06	1.12E-07	3.87E-08	1.49E-04	1.25E-04	5.524E-06	1.085E-07	3.998E-08	0.0001306
2100 495411.06, 3859601.99	0.06128	0.06658	0.06527	0.05685	0.06171	1.15E-04	5.841E-06	1.1284E-07	6.895E-08	1.21E-04	1.41E-04	7.16E-06	1.11E-07	3.86E-08	1.48E-04	1.24E-04	5.506E-06	1.081E-07	3.986E-08	0.0001301
2101 495461.06, 3859601.99	0.06067	0.06599	0.06475	0.05643	0.06072	1.14E-04	5.789E-06	1.12E-07	6.784E-08	1.20E-04	1.40E-04	7.09E-06	1.11E-07	3.80E-08	1.47E-04	1.23E-04	5.457E-06	1.073E-07	3.922E-08	0.0001288
2102 495511.06, 3859601.99	0.06011	0.06545	0.06426	0.05603	0.05987	1.13E-04	5.742E-06	1.1121E-07	6.689E-08	1.19E-04	1.38E-04	7.04E-06	1.10E-07	3.74E-08	1.46E-04	1.22E-04	5.413E-06	1.066E-07	3.867E-08	0.0001276
2103 495561.06, 3859601.99	0.05996	0.06533	0.06411	0.05589	0.05988	1.13E-04	5.731E-06	1.1093E-07	6.69E-08	1.19E-04	1.38E-04	7.02E-06	1.09E-07	3.75E-08	1.45E-04	1.22E-04	5.403E-06	1.063E-07	3.868E-08	0.0001273
2104 495611.06, 3859601.99	0.05931	0.0647	0.06354	0.05543	0.05886	1.11E-04	5.676E-06	1.1002E-07	6.577E-08	1.17E-04	1.37E-04	6.96E-06	1.09E-07	3.68E-08	1.44E-04	1.20E-04	5.351E-06	1.054E-07	3.802E-08	0.0001259
2105 495661.06, 3859601.99	0.05907	0.06448	0.06331	0.05523	0.05866	1.11E-04	5.657E-06	1.0962E-07	6.554E-08	1.17E-04	1.36E-04	6.93E-06	1.08E-07	3.67E-08	1.43E-04	1.20E-04	5.332E-06	1.051E-07	3.789E-08	0.0001254
2106 494311.06, 3859651.99	0.06931	0.07458	0.07178	0.0617	0.07288	1.30E-04	6.543E-06	1.2246E-07	8.143E-08	1.37E-04	1.60E-04	8.02E-06	1.21E-07	4.56E-08	1.68E-04	1.41E-04	6.168E-06	1.174E-07	4.708E-08	0.0001471
2107 494361.06, 3859651.99	0.06849	0.07379	0.07114	0.06139	0.07092	1.29E-04	6.473E-06	1.2185E-07	7.924E-08	1.35E-04	1.58E-04	7.93E-06	1.20E-07	4.44E-08	1.66E-04	1.39E-04	6.102E-06	1.168E-07	4.581E-08	0.0001453
2108 494411.06, 3859651.99	0.06806	0.07335	0.07078	0.06115	0.07035	1.28E-04	6.435E-06	1.2137E-07	7.86E-08	1.35E-04	1.57E-04	7.89E-06	1.20E-07	4.40E-08	1.65E-04	1.38E-04	6.066E-06	1.163E-07	4.544E-08	0.0001444
2109 494461.06, 3859651.99	0.06793	0.07317	0.07062	0.06097	0.0707	1.28E-04	6.419E-06	1.2101E-07	7.899E-08	1.34E-04	1.56E-04	7.87E-06	1.19E-07	4.42E-08	1.64E-04	1.38E-04	6.051E-06	1.16E-07	4.567E-08	0.0001441
2110 494511.06, 3859651.99	0.06748	0.0727	0.07024	0.06072	0.07003	1.27E-04	6.378E-06	1.2052E-07	7.825E-08	1.33E-04	1.55E-04	7.82E-06	1.19E-07	4.38E-08	1.63E-04	1.37E-04	6.012E-06	1.155E-07	4.524E-08	0.0001432
2111 494561.06, 3859651.99	0.06715	0.07234	0.06995	0.0605	0.06973	1.26E-04	6.346E-06	1.2008E-07	7.791E-08	1.33E-04	1.55E-04	7.78E-06	1.19E-07	4.36E-08	1.63E-04	1.36E-04	5.982E-06	1.151E-07	4.504E-08	0.0001425
2112 494611.06, 3859651.99	0.0668	0.07197	0.06964	0.06027	0.06936	1.26E-04	6.314E-06	1.1962E-07	7.75E-08	1.32E-04	1.54E-04	7.74E-06	1.18E-07	4.34E-08	1.62E-04	1.36E-04	5.952E-06	1.146E-07	4.48E-08	0.0001417
2113 494661.06, 3859651.99	0.06596	0.07118	0.06903	0.05989	0.0676	1.24E-04	6.244E-06	1.1887E-07	7.553E-08	1.30E-04	1.52E-04	7.65E-06	1.17E-07	4.23E-08	1.60E-04	1.34E-04	5.886E-06	1.139E-07	4.367E-08	0.00014
2114 494711.06, 3859651.99	0.06564	0.07083	0.06875	0.05967	0.0673	1.23E-04	6.214E-06	1.1843E-07	7.52E-08	1.30E-04	1.51E-04	7.61E-06	1.17E-07	4.21E-08	1.59E-04	1.33E-04	5.858E-06	1.135E-07	4.347E-08	0.0001393
2115 494761.06, 3859651.99	0.06539	0.0705	0.06848	0.05946	0.0672	1.23E-04	6.185E-06	1.1802E-07	7.508E-08	1.29E-04	1.51E-04	7.58E-06	1.16E-07	4.20E-08	1.58E-04	1.33E-04	5.83E-06	1.131E-07	4.341E-08	0.0001388
2116 494811.06, 3859651.99	0.06484	0.06994	0.06803	0.05914	0.06629	1.22E-04	6.136E-06	1.1738E-07	7.407E-08	1.28E-04	1.49E-04	7.52E-06	1.16E-07	4.15E-08	1.57E-04	1.32E-04	5.784E-06	1.125E-07	4.282E-08	0.0001376
2117 494861.06, 3859651.99	0.06453	0.0696	0.06776	0.05892	0.06601	1.21E-04	6.106E-06	1.1695E-07	7.375E-08	1.28E-04	1.49E-04	7.48E-06	1.15E-07	4.13E-08	1.56E-04	1.31E-04	5.756E-06	1.121E-07	4.264E-08	0.0001369
2118 494911.06, 3859651.99	0.06411	0.06916	0.0674	0.05865	0.06542	1.20E-04	6.067E-06	1.1641E-07	7.309E-08	1.27E-04	1.48E-04	7.43E-06	1.15E-07	4.09E-08	1.55E-04	1.30E-04	5.719E-06	1.116E-07	4.226E-08	0.000136
2119 494961.06, 3859651.99	0.06377	0.0688	0.06711	0.05842	0.06506	1.20E-04	6.036E-06	1.1595E-07	7.269E-08	1.26E-04	1.47E-04	7.40E-06	1.14E-07	4.07E-08	1.54E-04	1.29E-04	5.69E-06	1.111E-07	4.203E-08	0.0001353
2120 495011.06, 3859651.99	0.06338	0.0684	0.06678	0.05815	0.06456	1.19E-04	6.001E-06	1.1542E-07	7.213E-08	1.25E-04	1.46E-04	7.35E-06	1.14E-07	4.04E-08	1.53E-04	1.29E-04	5.657E-06	1.106E-07	4.17E-08	0.0001345
2121 495061.06, 3859651.99	0.06312	0.06812	0.06654	0.05795	0.06437	1.19E-04	5.976E-06	1.1502E-07	7.192E-08	1.25E-04	1.45E-04	7.32E-06	1.14E-07	4.03E-08	1.53E-04	1.28E-04	5.633E-06	1.102E-07	4.158E-08	0.0001339
2122 495111.06, 3859651.99	0.06269	0.06768	0.06618	0.05766	0.06376	1.18E-04	5.937E-06	1.1444E-07	7.124E-08	1.24E-04	1.44E-04	7.28E-06	1.13E-07	3.99E-08	1.52E-04	1.27E-04	5.597E-06	1.097E-07	4.119E-08	0.000133
2123 495161.06, 3859651.99	0.06237	0.06736	0.0659	0.05743	0.06342	1.17E-04	5.909E-06	1.1399E-07	7.086E-08	1.23E-04	1.44E-04	7.24E-06	1.13E-07	3.97E-08	1.51E-04	1.27E-04	5.571E-06	1.092E-07	4.097E-08	0.0001324
2124 495211.06, 3859651.99	0.06211	0.0671	0.06566	0.05723	0.06323	1.17E-04	5.886E-06	1.1359E-07	7.065E-08	1.23E-04	1.43E-04	7.21E-06	1.12E-07	3.95E-08	1.50E-04	1.26E-04	5.549E-06	1.089E-07	4.084E-08	0.0001318
2125 495261.06, 3859651.99	0.06178	0.06676	0.06537	0.05698	0.06284	1.16E-04	5.857E-06	1.1309E-07	7.021E-08	1.22E-04	1.42E-04	7.18E-06	1.12E-07	3.93E-08	1.50E-04	1.25E-04	5.521E-06	1.084E-07	4.059E-08	0.0001311
2126 495311.06, 3859651.99	0.06149	0.06648	0.06511	0.05676	0.06256	1.16E-04	5.832E-06	1.1266E-07	6.99E-08	1.22E-04	1.42E-04	7.15E-06	1.11E-07	3.91E-08	1.49E-04	1.25E-04	5.498E-06	1.08E-07	4.041E-08	0.0001305
2127 495361.06, 3859651.99	0.06123	0.06623	0.06488	0.05655	0.06234	1.15E-04	5.81E-06	1.1224E-07	6.965E-08	1.21E-04	1.41E-04	7.12E-06	1.11E-07	3.90E-08	1.48E-04	1.24E-04	5.477E-06	1.076E-07	4.027E-08	0.0001299
2128 495411.06, 3859651.99	0.0609	0.06591	0.06458	0.05631	0.06195	1.14E-04	5.782E-06	1.1176E-07	6.922E-08	1.20E-04	1.40E-04	7.09E-06	1.10E-07	3.87E-08	1.47E-04	1.24E-04	5.451E-06	1.071E-07	4.002E-08	0.0001292
2129 495461.06, 3859651.99	0.06035	0.06538	0.06412	0.05595	0.06104	1.13E-04	5.736E-06	1.1105E-07	6.82E-08	1.19E-04	1.39E-04	7.03E-06	1.10E-07	3.82E-08	1.46E-04	1.23E-04	5.407E-06	1.064E-07	3.943E-08	0.0001281
2130 495511.06, 3859651.99	0.05986	0.0649	0.0637	0.05561	0.06029	1.12E-04	5.693E-06	1.1038E-07	6.736E-08	1.18E-04	1.38E-04	6.98E-06	1.09E-07	3.77E-08	1.45E-04	1.22E-04	5.367E-06	1.058E-07	3.895E-08	0.0001271
2131 495561.06, 3859651.99	0.0596	0.06466	0.06346	0.05539	0.06005	1.12E-04	5.672E-06	1.0994E-07	6.709E-08	1.18E-04	1.37E-04	6.95E-06	1.09E-07	3.76E-08	1.44E-04	1.21E-04	5.347E-06	1.054E-07	3.879E-08	0.0001265
2132 495611.06, 3859651.99	0.05923	0.06431	0.06313	0.05512	0.05956	1.11E-04	5.642E-06	1.094E-07	6.655E-08	1.17E-04	1.36E-04	6.91E-06	1.08E-07	3.73E-08	1.43E-04	1.20E-04	5.318E-06	1.049E-07	3.847E-08	0.0001257
2133 495661.06, 3859651.99	0.05882	0.06392	0.06277	0.05482	0.05899	1.11E-04	5.607E-06	1.0881E-07	6.591E-08	1.16E-04	1.35E-04	6.87E-06	1.07E-07	3.69E-08	1.42E-04	1.19E-04	5.286E-06	1.043E-07	3.811E-08	0.0001249
2134 494311.06, 3859701.99	0.0679	0.0731	0.07038	0.06064	0.07069	1.28E-04	6.413E-06	1.2036E-07	7.898E-08	1.34E-04	1.56E-04	7.86E-06	1.19E-07	4.42E-08	1.64E-04	1.38E-04	6.045E-06	1.154E-07	4.566E-08	0.0001441
2135 494361.06, 3859701.99	0.06746	0.07263	0.06998	0.0604	0.06997	1.27E-04	6.372E-06	1.1988E-07	7.818E-08	1.33E-04	1.55E-04	7.81E-06	1.18E-07	4.38E-08	1.63E-04	1.37E-04	6.006E-06	1.149E-07	4.52E-08	0.0001431
2136 494411.06, 3859701.99	0.06717	0.07231	0.06971	0.06019	0.0698	1.26E-04	6.344E-06	1.1947E-07	7.799E-08	1.33E-04	1.55E-04	7.77E-06	1.18E-07	4.37E-08	1.63E-04	1.36E-04	5.98E-06	1.145E-07	4.509E-08	0.0001425
2137 494461.06, 3859701.99	0.06711	0.07221	0.06961	0.06001	0.07045	1.26E-04	6.335E-06	1.1911E-07	7.871E-08	1.33E-04	1.55E-04	7.76E-06	1.18E-07	4.41E-08	1.62E-04	1.36E-04	5.972E-06	1.142E-07	4.551E-08	0.0001424
2138 494511.06, 3859701.99	0.06673	0.07181	0.06927	0.05979	0.06994	1.25E-04	6.3E-06	1.1867E-07	7.814E-08	1.32E-04	1.54E-04	7.72E-06	1.17E-07	4.37E-08	1.62E-04	1.35E-04	5.939E-06	1.137E-07	4.518E-08	0.0001416
2139 494561.06, 3859701.99	0.06643	0.07148	0.069	0.05958	0.06969	1.25E-04	6.271E-06	1.1826E-07	7.787E-08	1.31E-04	1.53E-04	7.68E-06	1.17E-07	4.36E-08	1.61E-04	1.35E-04	5.911E-06	1.133E-07	4.502E-08	0.0001409
2140 494611.06, 3859701.99	0.0661	0.07113	0.06871	0.05936	0.06938	1.24E-04	6.24E-06	1.1782E-07	7.752E-08	1.31E-04	1.52E-04	7.65E-06	1.16E-07	4.34E-08	1.60E-04	1.34E-04	5.882E-06	1.129E-07	4.482E-08	0.0001402
2141 494661.06, 3859701.99	0.06529	0.07034	0.06808	0.05904	0.06747	1.23E-04	6.171E-06	1.1718E-07	7.539E-08	1.29E-04	1.50E-04	7.56E-06	1.16E-07	4.22E-08	1.58E-04	1.33E-04	5.817E-06	1.123E-07	4.358E-08	0.0001385
2142 494711.06, 3859701.99	0.0651	0.07011	0.06789	0.05886	0.06758	1.22E-04	6.151E-06	1.1683E-07	7.551E-08	1.29E-04	1.50E-04	7.54E-06	1.15E-07	4.23E-08	1.58E-04	1.32E-04	5.798E-06	1.12E-07	4.365E-08	0.0001381
2143 494761.06, 3859701.99	0.06465	0.06964	0.06751	0.05861	0.06686	1.21E-04	6.109E-06	1.1633E-07	7.47E-08	1.28E-04	1.49E-04	7.49E-06	1.15E-07	4.18E-08	1.57E-04	1.31E-04	5.759E-06	1.115E-07	4.319E-08	0.0001372
2144 494811.06, 3859701.99	0.06418	0.06915	0.06712	0.05834	0.0661	1.21E-04	6.066E-06	1.1579E-07	7.385E-08	1.27E-04	1.48E-04	7.43E-06	1.14E-07	4.13E-08	1.55E-04	1.30E-04	5.719E-06	1.11E-07	4.27E-08	0.0001362
2145 494861.06, 3859701.99	0.06403	0.06897	0.06697	0.05818	0.06629	1.20E-04	6.051E-06	1.1548E-07	7.407E-08	1.27E-04	1.47E-04	7.41E-06	1.14E-07	4.15E-08	1.55E-04	1.30E-04	5.704E-06	1.107E-07	4.282E-08	0.0001359
2146 494911.06, 3859701.99	0.06363	0.06855	0.06663	0.05794	0.06572	1.20E-04	6.014E-06	1.15E-07	7.343E-08	1.26E-04	1.47E-04	7.37E-06	1.13E-07	4.11E-08	1.54E-04	1.29E-04	5.669E-06	1.102E-07	4.245E-08	0.000135
2147 494961.06, 3859701.99	0.06324	0.06814	0.0663	0.05769	0.06519	1.19E-04	5.978E-06	1.145E-07	7.284E-08	1.25E-04	1.46E-04	7.33E-06	1.13E-07	4.08E-08	1.53E-04	1.28E-04	5.635E-06	1.097E-07	4.211E-08	0.0001342
2148 495011.06, 3859701.99	0.06298	0.06785	0.06606	0.0575	0.06502	1.18E-04	5.952E-06	1.1413E-07	7.265E-08	1.24E-04	1.45E-04	7.29E-06	1.13E-07	4.07E-08	1.52E-04	1.28E-04	5.611E-06	1.094E-07	4.2E-08	0.0001336
2149 495061.06, 3859701.99	0.06265	0.0675	0.06577	0.05727	0.06462	1.18E-04	5.922E-06	1.1367E-07	7.22E-08	1.24E-04	1.44E-04	7.26E-06	1.12E-07	4.04E-08	1.52E-04	1.27E-04	5.582E-06	1.089E-07	4.174E-08	0.0001329
2150 495111.06, 3859701.99	0.06231	0.06714	0.06548	0.05704	0.0642	1.17E-04	5.89E-06	1.1321E-07	7.173E-08	1.23E-04	1.43E-04	7.22E-06	1.12E-07	4.02E-08	1.51E-04	1.27E-04	5.552E-06	1.085E-07	4.147E-08	0.0001322
2151 495161.06, 3859701.99	0.06194	0.06675	0.06516	0.05679	0.0637	1.16E-04	5.856E-06	1.1272E-07	7.117E-08	1.22E-04	1.43E-04	7.18E-06	1.11E-07	3.98E-08	1.50E-04	1.26E-04	5.52E-06	1.08E-07	4.115E-08	0.0001314
2152 495211.06, 3859701.99	0.06155	0.06636	0.06483	0.05654	0.06315	1.16E-04	5.822E-06	1.1222E-07	7.056E-08	1.22E-04	1.42E-04	7.13E-06	1.11E-07	3.95E-08	1.49E-04	1.25E-04	5.488E-06	1.076E-07	4.079E-08	0.0001306
2153 495261.06, 3859701.99	0.0614	0.06619	0.06468	0.05638	0.06323	1.15E-04	5.807E-06	1.119E-07	7.065E-08	1.21E-04	1.41E-04	7.12E-06	1.10E-07	3.95E-08	1.49E-04	1.25E-04	5.474E-06	1.072E-07	4.084E-08	0.0001303
2154 495311.06, 3859701.99	0.06104	0.06583	0.06437	0.05614	0.06275	1.15E-04	5.775E-06	1.1143E-07	7.011E-08	1.21E-04	1.41E-04	7.08E-06	1.10E-07	3.92E-08	1.48E-04	1.24E-04	5.444E-06	1.068E-07	4.053E-08	0.0001295
2155 495361.06, 3859701.99	0.0607	0.06549	0.06408	0.0559	0.06232	1.14E-04	5.745E-06	1.1095E-07	6.963E-08	1.20E-04	1.40E-04	7.04E-06	1.10E-07	3.90E-08	1.47E-04	1.23E-04	5.416E-06	1.063E-07	4.026E-08	0.0001288
2156 495411.06, 3859701.99	0.06027	0.06505	0.06371	0.05562	0.06164	1.13E-04	5.707E-06	1.104E-07	6.887E-08	1.19E-04	1.39E-04	6.99E-06	1.09E-07	3.86E-08	1.46E-04	1.22E-04	5.38E-06	1.058E-07	3.982E-08	0.0001279

2157	495461.06, 3859701.99	0.05991	0.0647	0.0634	0.05537	0.06115	1.13E-04	5.676E-06	1.099E-07	6.832E-08	1.18E-04	1.38E-04	6.96E-06	1.08E-07	3.82E-08	1.45E-04	1.22E-04	5.351E-06	1.053E-07	3.95E-08	0.0001271
2158	495511.06, 3859701.99	0.0593	0.06409	0.06289	0.05498	0.06004	1.11E-04	5.622E-06	1.0913E-07	6.708E-08	1.17E-04	1.37E-04	6.89E-06	1.08E-07	3.76E-08	1.44E-04	1.20E-04	5.3E-06	1.046E-07	3.878E-08	0.0001258
2159	495561.06, 3859701.99	0.05923	0.06403	0.06281	0.05487	0.06028	1.11E-04	5.617E-06	1.0891E-07	6.735E-08	1.17E-04	1.36E-04	6.88E-06	1.07E-07	3.77E-08	1.43E-04	1.20E-04	5.295E-06	1.044E-07	3.894E-08	0.0001257
2160	495611.06, 3859701.99	0.0589	0.06371	0.06252	0.05463	0.05985	1.11E-04	5.589E-06	1.0843E-07	6.687E-08	1.16E-04	1.36E-04	6.85E-06	1.07E-07	3.74E-08	1.43E-04	1.20E-04	5.269E-06	1.039E-07	3.866E-08	0.000125
2161	495661.06, 3859701.99	0.05853	0.06336	0.0622	0.05436	0.05935	1.10E-04	5.558E-06	1.0789E-07	6.631E-08	1.16E-04	1.35E-04	6.81E-06	1.06E-07	3.71E-08	1.42E-04	1.19E-04	5.24E-06	1.034E-07	3.834E-08	0.0001242
2162	494311.06, 3859751.99	0.06709	0.0721	0.06941	0.05964	0.07077	1.26E-04	6.325E-06	1.1837E-07	7.907E-08	1.33E-04	1.54E-04	7.75E-06	1.17E-07	4.43E-08	1.62E-04	1.36E-04	5.963E-06	1.135E-07	4.572E-08	0.0001423
2163	494361.06, 3859751.99	0.06673	0.07174	0.06908	0.05943	0.07026	1.25E-04	6.294E-06	1.1796E-07	7.85E-08	1.32E-04	1.54E-04	7.71E-06	1.16E-07	4.39E-08	1.62E-04	1.35E-04	5.933E-06	1.131E-07	4.539E-08	0.0001416
2164	494411.06, 3859751.99	0.06632	0.07132	0.06872	0.05922	0.06956	1.25E-04	6.257E-06	1.1754E-07	7.772E-08	1.31E-04	1.53E-04	7.67E-06	1.16E-07	4.35E-08	1.61E-04	1.35E-04	5.898E-06	1.127E-07	4.493E-08	0.0001407
2165	494461.06, 3859751.99	0.06618	0.07115	0.06856	0.059	0.06994	1.24E-04	6.242E-06	1.171E-07	7.814E-08	1.31E-04	1.52E-04	7.65E-06	1.16E-07	4.37E-08	1.60E-04	1.34E-04	5.884E-06	1.122E-07	4.518E-08	0.0001404
2166	494511.06, 3859751.99	0.06595	0.0709	0.06834	0.05879	0.06997	1.24E-04	6.22E-06	1.1669E-07	7.818E-08	1.30E-04	1.52E-04	7.62E-06	1.15E-07	4.38E-08	1.60E-04	1.34E-04	5.863E-06	1.118E-07	4.52E-08	0.0001399
2167	494561.06, 3859751.99	0.0656	0.07054	0.06803	0.05859	0.06952	1.23E-04	6.188E-06	1.1629E-07	7.768E-08	1.30E-04	1.51E-04	7.58E-06	1.15E-07	4.35E-08	1.59E-04	1.33E-04	5.834E-06	1.115E-07	4.491E-08	0.0001392
2168	494611.06, 3859751.99	0.0652	0.07012	0.06767	0.05839	0.06882	1.23E-04	6.151E-06	1.1589E-07	7.689E-08	1.29E-04	1.50E-04	7.54E-06	1.14E-07	4.30E-08	1.58E-04	1.32E-04	5.799E-06	1.111E-07	4.446E-08	0.0001383
2169	494661.06, 3859751.99	0.06462	0.06957	0.06722	0.05817	0.06753	1.21E-04	6.103E-06	1.1546E-07	7.545E-08	1.28E-04	1.49E-04	7.48E-06	1.14E-07	4.22E-08	1.56E-04	1.31E-04	5.753E-06	1.107E-07	4.362E-08	0.0001371
2170	494711.06, 3859751.99	0.06443	0.06931	0.067	0.05798	0.06761	1.21E-04	6.08E-06	1.1508E-07	7.554E-08	1.27E-04	1.48E-04	7.45E-06	1.14E-07	4.23E-08	1.56E-04	1.31E-04	5.732E-06	1.103E-07	4.367E-08	0.0001367
2171	494761.06, 3859751.99	0.06414	0.069	0.06674	0.05778	0.06737	1.21E-04	6.053E-06	1.1468E-07	7.527E-08	1.27E-04	1.48E-04	7.42E-06	1.13E-07	4.21E-08	1.55E-04	1.30E-04	5.706E-06	1.099E-07	4.352E-08	0.0001361
2172	494811.06, 3859751.99	0.06375	0.06859	0.0664	0.05756	0.06677	1.20E-04	6.017E-06	1.1425E-07	7.46E-08	1.26E-04	1.47E-04	7.37E-06	1.13E-07	4.18E-08	1.54E-04	1.29E-04	5.672E-06	1.095E-07	4.313E-08	0.0001353
2173	494861.06, 3859751.99	0.06344	0.06825	0.06612	0.05736	0.06643	1.19E-04	5.987E-06	1.1385E-07	7.422E-08	1.25E-04	1.46E-04	7.34E-06	1.12E-07	4.15E-08	1.54E-04	1.29E-04	5.644E-06	1.091E-07	4.291E-08	0.0001346
2174	494911.06, 3859751.99	0.06312	0.06791	0.06584	0.05715	0.06607	1.19E-04	5.958E-06	1.1343E-07	7.382E-08	1.25E-04	1.45E-04	7.30E-06	1.12E-07	4.13E-08	1.53E-04	1.28E-04	5.616E-06	1.087E-07	4.268E-08	0.0001339
2175	494961.06, 3859751.99	0.0628	0.06757	0.06556	0.05695	0.06571	1.18E-04	5.928E-06	1.1304E-07	7.342E-08	1.24E-04	1.45E-04	7.26E-06	1.12E-07	4.11E-08	1.52E-04	1.28E-04	5.588E-06	1.083E-07	4.245E-08	0.0001332
2176	495011.06, 3859751.99	0.06246	0.06721	0.06527	0.05674	0.06527	1.17E-04	5.896E-06	1.1262E-07	7.293E-08	1.23E-04	1.44E-04	7.23E-06	1.11E-07	4.08E-08	1.51E-04	1.27E-04	5.558E-06	1.079E-07	4.216E-08	0.0001325
2177	495061.06, 3859751.99	0.0622	0.06692	0.06504	0.05654	0.06508	1.17E-04	5.871E-06	1.1222E-07	7.271E-08	1.23E-04	1.43E-04	7.19E-06	1.11E-07	4.07E-08	1.51E-04	1.26E-04	5.534E-06	1.076E-07	4.204E-08	0.000132
2178	495111.06, 3859751.99	0.06187	0.06657	0.06475	0.05633	0.06466	1.16E-04	5.84E-06	1.118E-07	7.225E-08	1.22E-04	1.42E-04	7.16E-06	1.10E-07	4.04E-08	1.50E-04	1.26E-04	5.505E-06	1.072E-07	4.177E-08	0.0001313
2179	495161.06, 3859751.99	0.06151	0.0662	0.06445	0.05611	0.06415	1.16E-04	5.808E-06	1.1137E-07	7.168E-08	1.22E-04	1.42E-04	7.12E-06	1.10E-07	4.01E-08	1.49E-04	1.25E-04	5.475E-06	1.067E-07	4.144E-08	0.0001305
2180	495211.06, 3859751.99	0.06114	0.06581	0.06413	0.05588	0.06361	1.15E-04	5.773E-06	1.1091E-07	7.107E-08	1.21E-04	1.41E-04	7.07E-06	1.09E-07	3.98E-08	1.48E-04	1.24E-04	5.442E-06	1.063E-07	4.109E-08	0.0001297
2181	495261.06, 3859751.99	0.06087	0.06553	0.06389	0.05568	0.06336	1.14E-04	5.749E-06	1.1051E-07	7.079E-08	1.20E-04	1.40E-04	7.04E-06	1.09E-07	3.96E-08	1.47E-04	1.24E-04	5.419E-06	1.059E-07	4.093E-08	0.0001292
2182	495311.06, 3859751.99	0.06054	0.06518	0.06361	0.05546	0.06291	1.14E-04	5.718E-06	1.1008E-07	7.029E-08	1.20E-04	1.39E-04	7.01E-06	1.09E-07	3.93E-08	1.47E-04	1.23E-04	5.39E-06	1.055E-07	4.064E-08	0.0001285
2183	495361.06, 3859751.99	0.06022	0.06485	0.06333	0.05525	0.06252	1.13E-04	5.689E-06	1.0966E-07	6.985E-08	1.19E-04	1.39E-04	6.97E-06	1.08E-07	3.91E-08	1.46E-04	1.22E-04	5.363E-06	1.051E-07	4.039E-08	0.0001278
2184	495411.06, 3859751.99	0.05992	0.06453	0.06307	0.05503	0.06214	1.13E-04	5.661E-06	1.0922E-07	6.943E-08	1.18E-04	1.38E-04	6.94E-06	1.08E-07	3.89E-08	1.45E-04	1.22E-04	5.337E-06	1.047E-07	4.014E-08	0.0001271
2185	495461.06, 3859751.99	0.0595	0.06411	0.06272	0.05477	0.06144	1.12E-04	5.624E-06	1.0871E-07	6.865E-08	1.18E-04	1.37E-04	6.89E-06	1.07E-07	3.84E-08	1.44E-04	1.21E-04	5.302E-06	1.042E-07	3.969E-08	0.0001263
2186	495511.06, 3859751.99	0.05907	0.06367	0.06236	0.0545	0.06073	1.11E-04	5.586E-06	1.0817E-07	6.785E-08	1.17E-04	1.36E-04	6.84E-06	1.07E-07	3.80E-08	1.43E-04	1.20E-04	5.265E-06	1.037E-07	3.923E-08	0.0001253
2187	495561.06, 3859751.99	0.05876	0.06336	0.06208	0.05427	0.06033	1.10E-04	5.558E-06	1.0772E-07	6.741E-08	1.16E-04	1.35E-04	6.81E-06	1.06E-07	3.77E-08	1.42E-04	1.19E-04	5.24E-06	1.032E-07	3.897E-08	0.0001247
2188	495611.06, 3859751.99	0.05845	0.06305	0.06181	0.05405	0.05994	1.10E-04	5.531E-06	1.0728E-07	6.697E-08	1.16E-04	1.35E-04	6.78E-06	1.06E-07	3.75E-08	1.42E-04	1.19E-04	5.214E-06	1.028E-07	3.872E-08	0.000124
2189	495661.06, 3859751.99	0.0582	0.0628	0.06158	0.05385	0.05971	1.09E-04	5.509E-06	1.0688E-07	6.671E-08	1.15E-04	1.34E-04	6.75E-06	1.05E-07	3.73E-08	1.41E-04	1.18E-04	5.193E-06	1.024E-07	3.857E-08	0.0001235
2190	494311.06, 3859801.99	0.0662	0.07114	0.06846	0.0586	0.07082	1.24E-04	6.241E-06	1.1631E-07	7.913E-08	1.31E-04	1.52E-04	7.65E-06	1.15E-07	4.43E-08	1.60E-04	1.34E-04	5.883E-06	1.115E-07	4.575E-08	0.0001405
2191	494361.06, 3859801.99	0.06581	0.07067	0.06809	0.05842	0.07	1.24E-04	6.2E-06	1.1595E-07	7.821E-08	1.30E-04	1.52E-04	7.60E-06	1.14E-07	4.38E-08	1.59E-04	1.34E-04	5.844E-06	1.111E-07	4.522E-08	0.0001396
2192	494411.06, 3859801.99	0.06538	0.07025	0.0677	0.05824	0.06912	1.23E-04	6.163E-06	1.156E-07	7.723E-08	1.29E-04	1.51E-04	7.55E-06	1.14E-07	4.32E-08	1.58E-04	1.33E-04	5.81E-06	1.108E-07	4.465E-08	0.0001387
2193	494461.06, 3859801.99	0.06521	0.07006	0.06753	0.05801	0.06938	1.23E-04	6.146E-06	1.1514E-07	7.752E-08	1.29E-04	1.50E-04	7.53E-06	1.14E-07	4.34E-08	1.58E-04	1.32E-04	5.794E-06	1.103E-07	4.482E-08	0.0001384
2194	494511.06, 3859801.99	0.06503	0.06999	0.06737	0.05776	0.06971	1.22E-04	6.14E-06	1.1464E-07	7.789E-08	1.29E-04	1.50E-04	7.52E-06	1.13E-07	4.36E-08	1.57E-04	1.32E-04	5.788E-06	1.099E-07	4.503E-08	0.000138
2195	494561.06, 3859801.99	0.06472	0.06968	0.06708	0.05757	0.06931	1.22E-04	6.113E-06	1.1427E-07	7.744E-08	1.28E-04	1.49E-04	7.49E-06	1.13E-07	4.33E-08	1.57E-04	1.31E-04	5.762E-06	1.095E-07	4.477E-08	0.0001373
2196	494611.06, 3859801.99	0.06426	0.06908	0.06665	0.05742	0.06819	1.21E-04	6.06E-06	1.1397E-07	7.619E-08	1.27E-04	1.48E-04	7.43E-06	1.12E-07	4.26E-08	1.56E-04	1.30E-04	5.713E-06	1.092E-07	4.405E-08	0.0001363
2197	494661.06, 3859801.99	0.06392	0.06872	0.06633	0.05723	0.06768	1.20E-04	6.029E-06	1.1359E-07	7.562E-08	1.26E-04	1.47E-04	7.39E-06	1.12E-07	4.23E-08	1.55E-04	1.30E-04	5.683E-06	1.089E-07	4.372E-08	0.0001356
2198	494711.06, 3859801.99	0.06352	0.06831	0.06598	0.05704	0.06697	1.19E-04	5.993E-06	1.1321E-07	7.483E-08	1.26E-04	1.46E-04	7.34E-06	1.12E-07	4.19E-08	1.54E-04	1.29E-04	5.649E-06	1.085E-07	4.326E-08	0.0001348
2199	494761.06, 3859801.99	0.06338	0.06814	0.06583	0.05684	0.06729	1.19E-04	5.978E-06	1.1282E-07	7.518E-08	1.25E-04	1.46E-04	7.33E-06	1.11E-07	4.21E-08	1.53E-04	1.29E-04	5.635E-06	1.081E-07	4.347E-08	0.0001345
2200	494811.06, 3859801.99	0.06304	0.06778	0.06553	0.05665	0.0668	1.18E-04	5.946E-06	1.1244E-07	7.464E-08	1.25E-04	1.45E-04	7.29E-06	1.11E-07	4.18E-08	1.53E-04	1.28E-04	5.605E-06	1.078E-07	4.315E-08	0.0001338
2201	494861.06, 3859801.99	0.06276	0.06748	0.06527	0.05646	0.06655	1.18E-04	5.92E-06	1.1206E-07	7.436E-08	1.24E-04	1.45E-04	7.25E-06	1.11E-07	4.16E-08	1.52E-04	1.27E-04	5.581E-06	1.074E-07	4.299E-08	0.0001332
2202	494911.06, 3859801.99	0.0624	0.0671	0.06495	0.05628	0.06596	1.17E-04	5.886E-06	1.1171E-07	7.37E-08	1.23E-04	1.44E-04	7.21E-06	1.10E-07	4.13E-08	1.51E-04	1.27E-04	5.549E-06	1.071E-07	4.261E-08	0.0001324
2203	494961.06, 3859801.99	0.0621	0.06678	0.06469	0.05609	0.06561	1.17E-04	5.858E-06	1.1133E-07	7.331E-08	1.23E-04	1.43E-04	7.18E-06	1.10E-07	4.10E-08	1.50E-04	1.26E-04	5.523E-06	1.067E-07	4.238E-08	0.0001318
2204	495011.06, 3859801.99	0.06179	0.06644	0.06441	0.05589	0.06522	1.16E-04	5.829E-06	1.1093E-07	7.287E-08	1.22E-04	1.42E-04	7.14E-06	1.09E-07	4.08E-08	1.50E-04	1.25E-04	5.495E-06	1.063E-07	4.213E-08	0.0001311
2205	495061.06, 3859801.99	0.06152	0.06614	0.06416	0.0557	0.06496	1.16E-04	5.802E-06	1.1055E-07	7.258E-08	1.22E-04	1.42E-04	7.11E-06	1.09E-07	4.06E-08	1.49E-04	1.25E-04	5.47E-06	1.06E-07	4.196E-08	0.0001305
2206	495111.06, 3859801.99	0.06117	0.06577	0.06386	0.0555	0.06444	1.15E-04	5.77E-06	1.1016E-07	7.2E-08	1.21E-04	1.41E-04	7.07E-06	1.09E-07	4.03E-08	1.48E-04	1.24E-04	5.439E-06	1.056E-07	4.163E-08	0.0001298
2207	495161.06, 3859801.99	0.06084	0.06542	0.06357	0.0553	0.06396	1.14E-04	5.739E-06	1.0976E-07	7.146E-08	1.20E-04	1.40E-04	7.03E-06	1.08E-07	4.00E-08	1.47E-04	1.24E-04	5.41E-06	1.052E-07	4.132E-08	0.0001291
2208	495211.06, 3859801.99	0.06057	0.06513	0.06333	0.05511	0.0637	1.14E-04	5.714E-06	1.0938E-07	7.117E-08	1.20E-04	1.39E-04	7.00E-06	1.08E-07	3.98E-08	1.47E-04	1.23E-04	5.386E-06	1.048E-07	4.115E-08	0.0001285
2209	495261.06, 3859801.99	0.06022	0.06476	0.06304	0.05491	0.06319	1.13E-04	5.681E-06	1.0899E-07	7.06E-08	1.19E-04	1.39E-04	6.96E-06	1.08E-07	3.95E-08	1.46E-04	1.22E-04	5.356E-06	1.045E-07	4.082E-08	0.0001278
2210	495311.06, 3859801.99	0.05997	0.06449	0.06281	0.05472	0.06297	1.13E-04	5.658E-06	1.0861E-07	7.036E-08	1.19E-04	1.38E-04	6.93E-06	1.07E-07	3.94E-08	1.45E-04	1.22E-04	5.333E-06	1.041E-07	4.068E-08	0.0001272
2211	495361.06, 3859801.99	0.05965	0.06416	0.06254	0.05452	0.06253	1.12E-04	5.629E-06	1.0821E-07	6.987E-08	1.18E-04	1.37E-04	6.90E-06	1.07E-07	3.91E-08	1.44E-04	1.21E-04	5.306E-06	1.037E-07	4.039E-08	0.0001266
2212	495411.06, 3859801.99	0.05929	0.06378	0.06223	0.0543	0.06197	1.11E-04	5.595E-06	1.0778E-07	6.924E-08	1.17E-04	1.37E-04	6.86E-06	1.06E-07	3.88E-08	1.44E-04	1.20E-04	5.275E-06	1.033E-07	4.003E-08	0.0001258
2213	495461.06, 3859801.99	0.05899	0.06346	0.06197	0.0541	0.06157	1.11E-04	5.567E-06	1.0738E-07	6.879E-08	1.17E-04	1.36E-04	6.82E-06	1.06E-07	3.85E-08	1.43E-04	1.20E-04	5.248E-06	1.029E-07	3.977E-08	0.0001252
2214	495511.06, 3859801.99	0.05858	0.06304	0.06162	0.05385	0.06084	1.10E-04	5.53E-06	1.0688E-07	6.798E-08	1.16E-04	1.35E-04	6.78E-06	1.05E-07	3.81E-08	1.42E-04	1.19E-04	5.213E-06	1.024E-07	3.93E-08	0.0001243
2215	495561.06, 3859801.99	0.05831	0.06276	0.06138	0.05365	0.06054	1.10E-04	5.506E-06	1.0649E-07	6.764E-08	1.15E-04	1.34E-04	6.75E-06	1.05E-07	3.79E-08	1.41E-04	1.18E-04	5.19E-06	1.021E-07	3.911E-08	0.0001237
2216	495611.06, 3859801.99	0.05813	0.06257	0.06121	0.05349	0.06052	1.09E-04	5.489E-06	1.0617E-07	6.762E-08	1.15E-04	1.34E-04	6.73E-06	1.05E-07	3.79E-08	1.41E-04	1.18E-04	5.174E-06	1.018E-07	3.909E-08	0.0001233
2217	495661.06, 3859801.99	0.05775	0.06218	0.06089	0.05325	0.05988	1.09E-04	5.455E-06	1.0569E-07	6.69E-08	1.14E-04	1.33E-04	6.68E-06	1.04E-07	3.75E-08	1.40E-04	1.17E-04	5.142E-06	1.013E-07	3.868E-08	0.0001225
2218	494311.06, 3859851.99	0.06519	0.06998	0.06786	0.05759	0.0704	1.23E-04	6.139E-06	1.1431E-07	7.866E-08	1.29E-04	1.50E-04	7.52E-06	1.13E-07	4.40E-08	1.58E-04	1.32E-04	5.787E-06	1.096E-07	4.548E-08	0.0001383
2219	494361.06, 3859851.99	0.06486	0.06966	0.06759	0.05741	0.06981	1.22E-04	6.111E-06	1.1395E-07	7.8E-08	1.28E-04	1.49E-04	7.49E-06	1.12E-07	4.37E-08	1.57E-04	1.32E-04	5.761E-06	1.092E-07	4.51E-08	0.0001376
2220	494411.06, 3859851.99	0.0645	0.06931	0.06678	0.05723	0.06911	1.21E-04	6.08E-06	1.1359E-07	7.722E-08	1.27E-04	1.49E-04	7.45E-06	1.12E-07	4.32E-08	1.56E-04	1.31E-04	5.732E-06	1.089E-07	4.464E-08	0.0001368
2221	494461.06, 3859851.99	0.06419	0.06901	0.06648	0.05704	0.06866	1.21E-04	6.054E-06	1.1321E-07	7.671E-08	1.27E-04	1.48E-04	7.42E-06	1.12E-07	4.29E-08	1.55E-04	1.30E-04	5.707E-06	1.085E-07	4.435E-08	0.0001362
2222	494511.06, 3859851.99	0.06396	0.06879	0.06628	0.05681	0.0687	1.20E-04	6.035E-06	1.1276E-07	7.676E-08	1.26E-04	1.47E-04	7.40E-06	1.11E-07	4.30E-08	1.55E-04	1.30E-04	5.689E-06	1.081E-07	4.438E-08	0.0001357
2223	494561.06, 3859851.99	0.06376	0.06858	0.06656	0.05658	0.06887	1.20E-04	6.016E-06	1.123E-07	7.695E-08	1.26E-04	1.47E-04	7.37E-06	1.11E-07	4.31E-08	1.54E-04	1.29E-04	5.671E-06	1.076E-07	4.449E-08	0.0001353
2224	494611.06, 3859851.99	0.06333	0.06805	0.06567	0.05645	0.06772	1.19E-04	5.97E-06	1.1204E-07	7.566E-08	1.25E-04	1.46E-04	7.32E-06	1.11E-07	4.24E-08	1.53E-04	1.29E-04	5.628E-06	1.074E-07	4.374E-08	0.0001344
2225	494661.06, 3859851.99	0.06309	0.06793	0.06545	0.05624	0.06767	1.19E-04	5.959E-06	1.1163E-07	7.561E-08	1.25E-04	1.45E-04	7.30E-06	1.10E-07	4.23E-08	1.53E-04	1.28E-04	5.618E-06	1.07E-07	4.371E-08	0.0001339
2226	494711.06, 3859851.99	0.06271	0.06741	0.06509	0.05609	0.06686	1.18E-04	5.914E-06	1.1133E-07	7.47E-08	1.24E-04	1.44E-04	7.25E-06	1.10E-07	4.18E-08	1.52E-04	1.27E-04	5.575E-06	1.067E-07	4.319E-08	0.000133
2227	494761.06, 3859851.99	0.06253	0.06722	0.06492	0.05586	0.06705	1.18E-04	5.897E-06	1.1087E-07	7.492E-08	1.24E-04	1.44E-04	7.23E-06	1.09E-07	4.19E-08	1.51E-04	1.27E-04	5.559E-06	1.063E-07	4.331E-08	0.0001327
2228	494811.06, 3859851.99	0.06222	0.06689	0.06464	0.05569	0.06663	1.17E-04	5.868E-06	1.1053E-07	7.445E-08	1.23E-04	1.43E-04	7.19E-06	1.09E-07	4.17E-08	1.51E-04	1.26E-04	5.532E-06	1.059E-07	4.304E-08	0.000132
2229	494861.06, 3859851.99	0.06197	0.06663	0.06441	0.05549	0.06646	1.16E-04	5.845E-06	1.1014E-07	7.426E-08	1.22E-04	1.43E-04	7.16E-06	1.09E-07	4.16E-08	1.50E-04	1.26E-04	5.51E-06	1.056E-07	4.293E-08	0.0001315
2230	494911.06, 3859851.99	0.06165	0.06628	0.0641	0.05534	0.06593	1.16E-04	5.815E-06	1.0984E-07	7.366E-08	1.22E-04	1.42E-04	7.13E-06	1.08E-07	4.12E-08	1.49E-04	1.25E-04	5.481E-06	1.053E-07	4.259E-08	0.0001308
2231	494961.06, 3859851.99	0.06136	0.06597	0.06384	0.05516	0.06558	1.15E-04	5.787E-06	1.0948E-07	7.327E-08	1.21E-04	1.41E-04	7.09E-06	1.08E-07	4.10E-08	1.49E-04	1.25E-04	5.456E-06	1.049E-07	4.236E-08	0.0001302
2232	495011.06, 3859851.99	0.06107	0.06566	0.06357	0.05498	0.06522	1.15E-04	5.76E-06	1.0913E-07	7.287E-08	1.21E-04	1.41E-04	7.06E-06	1.08E-07	4.08E-08	1.48E-04	1.24E-04	5.43E-06	1.046E-07	4.213E-08	0.0001296
2233	495061.06, 3859851.99	0.06081	0.06538	0.06333	0.0548	0.06498	1.14E-04	5.736E-06	1.0877E-07	7.26E-08	1.20E-04	1.40E-04	7.03E-06	1.07E-07	4.06E-08	1.47E-04	1.23E-04	5.407E-06	1.042E-07	4.198E-08	0.000129
2234	495111.06, 3859851.99	0.06048	0.06502	0.06303	0.05463	0.06442	1.14E-04	5.704E-06	1.0843E-07	7.198E-08	1.20E-04	1.39E-04	6.99E-06	1.07E-07	4.03E-08	1.46E-04	1.23E-04	5.377E-06	1.039E-07	4.161E-08	0.0001283
2235	495161.06, 3859851.99	0.06018	0.0647	0.06276	0.05446	0.06401	1.13E-04	5.676E-06	1.0809E-07	7.152E-08	1.19E-04	1.39E-04	6.96E-06	1.07E-07	4.00E-08	1.46E-04	1.22E-04	5.351E-06	1.036E-07	4.135E-08	0.0001277
2236	495211.06, 3859851.99	0.0599	0.06439	0.0625	0.05428	0.06364	1.13E-04	5.649E-06	1.0774E-07	7.111E-08	1.18E-04	1.38E-04	6.92E-06	1.06E-07	3.98E-08	1.45E-04	1.22E-04	5.325E-06	1.033E-07	4.111E-08	0.0001271

2237 495261.06, 3859851.99	0.0596	0.06406	0.06223	0.0541	0.06323	1.12E-04	5.62E-06	1.0738E-07	7.065E-08	1.18E-04	1.37E-04	6.89E-06	1.06E-07	3.95E-08	1.44E-04	1.21E-04	5.298E-06	1.029E-07	4.084E-08	0.0001265
2238 495311.06, 3859851.99	0.05934	0.06378	0.062	0.05392	0.06296	1.12E-04	5.595E-06	1.0702E-07	7.035E-08	1.17E-04	1.37E-04	6.86E-06	1.06E-07	3.94E-08	1.44E-04	1.20E-04	5.275E-06	1.026E-07	4.067E-08	0.0001259
2239 495361.06, 3859851.99	0.05906	0.06348	0.06175	0.05374	0.06261	1.11E-04	5.569E-06	1.0666E-07	6.996E-08	1.17E-04	1.36E-04	6.82E-06	1.05E-07	3.92E-08	1.43E-04	1.20E-04	5.25E-06	1.022E-07	4.044E-08	0.0001253
2240 495411.06, 3859851.99	0.05873	0.06313	0.06147	0.05355	0.06209	1.10E-04	5.538E-06	1.0629E-07	6.937E-08	1.16E-04	1.35E-04	6.79E-06	1.05E-07	3.88E-08	1.42E-04	1.19E-04	5.221E-06	1.019E-07	4.011E-08	0.0001246
2241 495461.06, 3859851.99	0.05841	0.06279	0.06119	0.05336	0.0616	1.10E-04	5.508E-06	1.0591E-07	6.883E-08	1.15E-04	1.35E-04	6.75E-06	1.05E-07	3.85E-08	1.41E-04	1.19E-04	5.193E-06	1.015E-07	3.979E-08	0.0001239
2242 495511.06, 3859851.99	0.05806	0.06242	0.06089	0.05316	0.061	1.09E-04	5.476E-06	1.0551E-07	6.816E-08	1.15E-04	1.34E-04	6.71E-06	1.04E-07	3.82E-08	1.41E-04	1.18E-04	5.162E-06	1.011E-07	3.94E-08	0.0001232
2243 495561.06, 3859851.99	0.05783	0.06217	0.06068	0.05298	0.06081	1.09E-04	5.454E-06	1.0516E-07	6.794E-08	1.14E-04	1.33E-04	6.68E-06	1.04E-07	3.80E-08	1.40E-04	1.17E-04	5.141E-06	1.008E-07	3.928E-08	0.0001227
2244 495611.06, 3859851.99	0.05758	0.06191	0.06046	0.0528	0.06056	1.08E-04	5.431E-06	1.048E-07	6.766E-08	1.14E-04	1.33E-04	6.66E-06	1.03E-07	3.79E-08	1.39E-04	1.17E-04	5.12E-06	1.004E-07	3.912E-08	0.0001222
2245 495661.06, 3859851.99	0.05724	0.06155	0.06016	0.05259	0.05998	1.08E-04	5.4E-06	1.0438E-07	6.702E-08	1.13E-04	1.32E-04	6.62E-06	1.03E-07	3.75E-08	1.39E-04	1.16E-04	5.09E-06	1E-07	3.875E-08	0.0001214
2246 494311.06, 3859901.99	0.06415	0.06882	0.06671	0.05663	0.06986	1.21E-04	6.037E-06	1.124E-07	7.806E-08	1.27E-04	1.48E-04	7.40E-06	1.11E-07	4.37E-08	1.55E-04	1.30E-04	5.691E-06	1.077E-07	4.513E-08	0.0001361
2247 494361.06, 3859901.99	0.06377	0.06845	0.06644	0.05647	0.06893	1.20E-04	6.005E-06	1.1208E-07	7.702E-08	1.26E-04	1.47E-04	7.36E-06	1.11E-07	4.31E-08	1.54E-04	1.29E-04	5.661E-06	1.074E-07	4.453E-08	0.0001353
2248 494411.06, 3859901.99	0.06353	0.06821	0.06619	0.05625	0.0688	1.19E-04	5.984E-06	1.1165E-07	7.687E-08	1.26E-04	1.46E-04	7.33E-06	1.10E-07	4.30E-08	1.54E-04	1.29E-04	5.641E-06	1.07E-07	4.444E-08	0.0001348
2249 494461.06, 3859901.99	0.06324	0.06793	0.06594	0.05606	0.06838	1.19E-04	5.959E-06	1.1127E-07	7.64E-08	1.25E-04	1.46E-04	7.30E-06	1.10E-07	4.28E-08	1.53E-04	1.28E-04	5.618E-06	1.066E-07	4.417E-08	0.0001342
2250 494511.06, 3859901.99	0.06298	0.06768	0.06569	0.05585	0.0682	1.18E-04	5.937E-06	1.1085E-07	7.62E-08	1.24E-04	1.45E-04	7.28E-06	1.09E-07	4.27E-08	1.52E-04	1.28E-04	5.597E-06	1.062E-07	4.406E-08	0.0001336
2251 494561.06, 3859901.99	0.0628	0.06751	0.06545	0.05559	0.06852	1.18E-04	5.922E-06	1.1034E-07	7.656E-08	1.24E-04	1.45E-04	7.26E-06	1.09E-07	4.29E-08	1.52E-04	1.28E-04	5.583E-06	1.057E-07	4.426E-08	0.0001332
2252 494611.06, 3859901.99	0.06241	0.06711	0.06518	0.05548	0.06737	1.17E-04	5.887E-06	1.1012E-07	7.527E-08	1.23E-04	1.44E-04	7.21E-06	1.09E-07	4.21E-08	1.51E-04	1.27E-04	5.55E-06	1.055E-07	4.352E-08	0.0001324
2253 494661.06, 3859901.99	0.06221	0.06692	0.06495	0.05524	0.06758	1.17E-04	5.871E-06	1.0964E-07	7.551E-08	1.23E-04	1.43E-04	7.19E-06	1.08E-07	4.23E-08	1.51E-04	1.26E-04	5.534E-06	1.051E-07	4.365E-08	0.000132
2254 494711.06, 3859901.99	0.06181	0.06652	0.06416	0.05513	0.06646	1.16E-04	5.836E-06	1.0942E-07	7.426E-08	1.22E-04	1.42E-04	7.15E-06	1.08E-07	4.16E-08	1.50E-04	1.25E-04	5.501E-06	1.049E-07	4.293E-08	0.0001311
2255 494761.06, 3859901.99	0.06159	0.0663	0.06445	0.05492	0.06648	1.16E-04	5.816E-06	1.0901E-07	7.428E-08	1.22E-04	1.42E-04	7.13E-06	1.08E-07	4.16E-08	1.49E-04	1.25E-04	5.483E-06	1.045E-07	4.294E-08	0.0001307
2256 494811.06, 3859901.99	0.06137	0.06609	0.06422	0.05471	0.0665	1.15E-04	5.798E-06	1.0859E-07	7.43E-08	1.21E-04	1.41E-04	7.10E-06	1.07E-07	4.16E-08	1.49E-04	1.25E-04	5.466E-06	1.041E-07	4.296E-08	0.0001302
2257 494861.06, 3859901.99	0.06112	0.06583	0.06398	0.05451	0.0663	1.15E-04	5.775E-06	1.0819E-07	7.408E-08	1.21E-04	1.41E-04	7.08E-06	1.07E-07	4.15E-08	1.48E-04	1.24E-04	5.444E-06	1.037E-07	4.283E-08	0.0001297
2258 494911.06, 3859901.99	0.06081	0.06552	0.06324	0.05436	0.06577	1.14E-04	5.748E-06	1.0789E-07	7.349E-08	1.20E-04	1.40E-04	7.04E-06	1.06E-07	4.11E-08	1.47E-04	1.23E-04	5.418E-06	1.034E-07	4.249E-08	0.000129
2259 494961.06, 3859901.99	0.06056	0.06526	0.063	0.05418	0.06552	1.14E-04	5.725E-06	1.0754E-07	7.321E-08	1.20E-04	1.39E-04	7.02E-06	1.06E-07	4.10E-08	1.47E-04	1.23E-04	5.397E-06	1.031E-07	4.232E-08	0.0001285
2260 495011.06, 3859901.99	0.06027	0.06497	0.06273	0.05402	0.06507	1.13E-04	5.7E-06	1.0722E-07	7.27E-08	1.19E-04	1.39E-04	6.98E-06	1.06E-07	4.07E-08	1.46E-04	1.22E-04	5.373E-06	1.028E-07	4.203E-08	0.0001279
2261 495061.06, 3859901.99	0.05999	0.06469	0.06247	0.05386	0.0647	1.13E-04	5.675E-06	1.069E-07	7.229E-08	1.19E-04	1.38E-04	6.95E-06	1.06E-07	4.05E-08	1.45E-04	1.22E-04	5.35E-06	1.025E-07	4.179E-08	0.0001273
2262 495111.06, 3859901.99	0.05969	0.06419	0.06217	0.05371	0.06416	1.12E-04	5.631E-06	1.066E-07	7.169E-08	1.18E-04	1.37E-04	6.90E-06	1.05E-07	4.01E-08	1.45E-04	1.21E-04	5.308E-06	1.022E-07	4.145E-08	0.0001266
2263 495161.06, 3859901.99	0.05939	0.06386	0.06189	0.05357	0.06367	1.12E-04	5.602E-06	1.0633E-07	7.114E-08	1.17E-04	1.37E-04	6.87E-06	1.05E-07	3.98E-08	1.44E-04	1.21E-04	5.281E-06	1.019E-07	4.113E-08	0.000126
2264 495211.06, 3859901.99	0.05915	0.0636	0.06167	0.05339	0.06349	1.11E-04	5.579E-06	1.0597E-07	7.094E-08	1.17E-04	1.36E-04	6.84E-06	1.05E-07	3.97E-08	1.43E-04	1.20E-04	5.26E-06	1.016E-07	4.101E-08	0.0001255
2265 495261.06, 3859901.99	0.05883	0.06324	0.06137	0.05324	0.06287	1.11E-04	5.548E-06	1.0567E-07	7.025E-08	1.16E-04	1.35E-04	6.80E-06	1.04E-07	3.93E-08	1.42E-04	1.19E-04	5.23E-06	1.013E-07	4.061E-08	0.0001248
2266 495311.06, 3859901.99	0.0586	0.06299	0.06115	0.05306	0.0627	1.10E-04	5.526E-06	1.0531E-07	7.006E-08	1.16E-04	1.35E-04	6.77E-06	1.04E-07	3.92E-08	1.42E-04	1.19E-04	5.209E-06	1.009E-07	4.05E-08	0.0001243
2267 495361.06, 3859901.99	0.05832	0.06268	0.06089	0.0529	0.0623	1.10E-04	5.499E-06	1.05E-07	6.961E-08	1.15E-04	1.34E-04	6.74E-06	1.04E-07	3.90E-08	1.41E-04	1.18E-04	5.184E-06	1.006E-07	4.024E-08	0.0001237
2268 495411.06, 3859901.99	0.05801	0.06235	0.06062	0.05274	0.06178	1.09E-04	5.47E-06	1.0468E-07	6.903E-08	1.15E-04	1.34E-04	6.70E-06	1.03E-07	3.86E-08	1.40E-04	1.18E-04	5.156E-06	1.003E-07	3.991E-08	0.0001231
2269 495461.06, 3859901.99	0.05773	0.06203	0.06036	0.05257	0.06135	1.08E-04	5.442E-06	1.0434E-07	6.855E-08	1.14E-04	1.33E-04	6.67E-06	1.03E-07	3.84E-08	1.40E-04	1.17E-04	5.13E-06	1E-07	3.963E-08	0.0001225
2270 495511.06, 3859901.99	0.05749	0.06178	0.06014	0.0524	0.06112	1.08E-04	5.42E-06	1.04E-07	6.829E-08	1.14E-04	1.32E-04	6.64E-06	1.03E-07	3.82E-08	1.39E-04	1.17E-04	5.109E-06	9.968E-08	3.948E-08	0.000122
2271 495561.06, 3859901.99	0.05725	0.06152	0.05993	0.05222	0.06089	1.08E-04	5.397E-06	1.0365E-07	6.803E-08	1.13E-04	1.32E-04	6.61E-06	1.02E-07	3.81E-08	1.39E-04	1.16E-04	5.088E-06	9.934E-08	3.933E-08	0.0001215
2272 495611.06, 3859901.99	0.05695	0.0612	0.05966	0.05205	0.0604	1.07E-04	5.369E-06	1.0331E-07	6.749E-08	1.13E-04	1.31E-04	6.58E-06	1.02E-07	3.78E-08	1.38E-04	1.16E-04	5.061E-06	9.901E-08	3.902E-08	0.0001208
2273 495661.06, 3859901.99	0.05663	0.06086	0.05939	0.05187	0.05987	1.06E-04	5.339E-06	1.0295E-07	6.689E-08	1.12E-04	1.30E-04	6.54E-06	1.02E-07	3.74E-08	1.37E-04	1.15E-04	5.033E-06	9.867E-08	3.867E-08	0.0001202
2274 494311.06, 3859951.99	0.06312	0.068	0.0656	0.05568	0.06944	1.19E-04	5.965E-06	1.1051E-07	7.759E-08	1.25E-04	1.45E-04	7.31E-06	1.09E-07	4.34E-08	1.53E-04	1.28E-04	5.624E-06	1.059E-07	4.486E-08	0.0001339
2275 494361.06, 3859951.99	0.06282	0.06774	0.06534	0.0555	0.06887	1.18E-04	5.943E-06	1.1016E-07	7.695E-08	1.24E-04	1.45E-04	7.28E-06	1.09E-07	4.31E-08	1.52E-04	1.28E-04	5.602E-06	1.056E-07	4.449E-08	0.0001333
2276 494411.06, 3859951.99	0.06253	0.06711	0.06509	0.05531	0.06837	1.18E-04	5.887E-06	1.0978E-07	7.639E-08	1.24E-04	1.44E-04	7.21E-06	1.08E-07	4.28E-08	1.51E-04	1.27E-04	5.55E-06	1.052E-07	4.416E-08	0.0001327
2277 494461.06, 3859951.99	0.06225	0.06685	0.06485	0.05512	0.06799	1.17E-04	5.865E-06	1.094E-07	7.597E-08	1.23E-04	1.43E-04	7.19E-06	1.08E-07	4.25E-08	1.51E-04	1.26E-04	5.528E-06	1.049E-07	4.392E-08	0.0001321
2278 494511.06, 3859951.99	0.06201	0.06661	0.06461	0.05491	0.06782	1.17E-04	5.843E-06	1.0899E-07	7.578E-08	1.23E-04	1.43E-04	7.16E-06	1.08E-07	4.24E-08	1.50E-04	1.26E-04	5.509E-06	1.045E-07	4.381E-08	0.0001316
2279 494561.06, 3859951.99	0.06185	0.06672	0.06437	0.05464	0.06822	1.16E-04	5.853E-06	1.0845E-07	7.622E-08	1.22E-04	1.42E-04	7.17E-06	1.07E-07	4.27E-08	1.50E-04	1.26E-04	5.518E-06	1.039E-07	4.407E-08	0.0001312
2280 494611.06, 3859951.99	0.0615	0.06611	0.06412	0.05451	0.06729	1.16E-04	5.8E-06	1.0819E-07	7.518E-08	1.22E-04	1.42E-04	7.11E-06	1.07E-07	4.21E-08	1.49E-04	1.25E-04	5.467E-06	1.037E-07	4.347E-08	0.0001305
2281 494661.06, 3859951.99	0.06129	0.06621	0.06389	0.05429	0.06738	1.15E-04	5.808E-06	1.0776E-07	7.528E-08	1.21E-04	1.41E-04	7.12E-06	1.06E-07	4.21E-08	1.48E-04	1.24E-04	5.475E-06	1.033E-07	4.353E-08	0.0001301
2282 494711.06, 3859951.99	0.06096	0.06557	0.06364	0.05415	0.06653	1.15E-04	5.752E-06	1.0748E-07	7.433E-08	1.20E-04	1.40E-04	7.05E-06	1.06E-07	4.16E-08	1.48E-04	1.24E-04	5.423E-06	1.03E-07	4.298E-08	0.0001293
2283 494761.06, 3859951.99	0.06071	0.06533	0.06341	0.05395	0.06636	1.14E-04	5.731E-06	1.0708E-07	7.414E-08	1.20E-04	1.40E-04	7.02E-06	1.06E-07	4.15E-08	1.47E-04	1.23E-04	5.403E-06	1.026E-07	4.287E-08	0.0001288
2284 494811.06, 3859951.99	0.06046	0.06507	0.06317	0.05376	0.0661	1.14E-04	5.708E-06	1.067E-07	7.385E-08	1.20E-04	1.39E-04	7.00E-06	1.05E-07	4.13E-08	1.46E-04	1.23E-04	5.381E-06	1.023E-07	4.27E-08	0.0001283
2285 494861.06, 3859951.99	0.06022	0.06485	0.06295	0.05355	0.06604	1.13E-04	5.689E-06	1.0629E-07	7.379E-08	1.19E-04	1.39E-04	6.97E-06	1.05E-07	4.13E-08	1.46E-04	1.22E-04	5.363E-06	1.019E-07	4.266E-08	0.0001278
2286 494911.06, 3859951.99	0.05995	0.06456	0.06271	0.0534	0.06552	1.13E-04	5.664E-06	1.0599E-07	7.321E-08	1.19E-04	1.38E-04	6.94E-06	1.05E-07	4.10E-08	1.45E-04	1.22E-04	5.339E-06	1.016E-07	4.232E-08	0.0001272
2287 494961.06, 3859951.99	0.05966	0.06427	0.06247	0.05325	0.06505	1.12E-04	5.638E-06	1.0569E-07	7.268E-08	1.18E-04	1.37E-04	6.91E-06	1.04E-07	4.07E-08	1.44E-04	1.21E-04	5.315E-06	1.013E-07	4.202E-08	0.0001266
2288 495011.06, 3859951.99	0.0594	0.064	0.06224	0.05309	0.06465	1.12E-04	5.615E-06	1.0537E-07	7.223E-08	1.17E-04	1.37E-04	6.88E-06	1.04E-07	4.04E-08	1.44E-04	1.21E-04	5.293E-06	1.01E-07	4.176E-08	0.000126
2289 495061.06, 3859951.99	0.05914	0.06374	0.06202	0.05293	0.06436	1.11E-04	5.592E-06	1.0506E-07	7.191E-08	1.17E-04	1.36E-04	6.85E-06	1.04E-07	4.03E-08	1.43E-04	1.20E-04	5.271E-06	1.007E-07	4.157E-08	0.0001255
2290 495111.06, 3859951.99	0.05886	0.06345	0.06179	0.05279	0.06385	1.11E-04	5.566E-06	1.0478E-07	7.134E-08	1.16E-04	1.36E-04	6.82E-06	1.03E-07	3.99E-08	1.43E-04	1.20E-04	5.247E-06	1.004E-07	4.125E-08	0.0001249
2291 495161.06, 3859951.99	0.05858	0.06316	0.06105	0.05264	0.06336	1.10E-04	5.541E-06	1.0448E-07	7.079E-08	1.16E-04	1.35E-04	6.79E-06	1.03E-07	3.96E-08	1.42E-04	1.19E-04	5.223E-06	1.001E-07	4.093E-08	0.0001243
2292 495211.06, 3859951.99	0.0583	0.0627	0.06077	0.0525	0.06289	1.10E-04	5.5E-06	1.042E-07	7.027E-08	1.15E-04	1.34E-04	6.74E-06	1.03E-07	3.93E-08	1.41E-04	1.18E-04	5.185E-06	9.987E-08	4.062E-08	0.0001237
2293 495261.06, 3859951.99	0.05804	0.06242	0.06053	0.05235	0.06254	1.09E-04	5.476E-06	1.0391E-07	6.988E-08	1.15E-04	1.34E-04	6.71E-06	1.03E-07	3.91E-08	1.41E-04	1.18E-04	5.162E-06	9.958E-08	4.04E-08	0.0001231
2294 495311.06, 3859951.99	0.05782	0.06219	0.06033	0.05217	0.06242	1.09E-04	5.456E-06	1.0355E-07	6.974E-08	1.14E-04	1.33E-04	6.69E-06	1.02E-07	3.90E-08	1.40E-04	1.17E-04	5.143E-06	9.924E-08	4.032E-08	0.0001227
2295 495361.06, 3859951.99	0.05757	0.06192	0.0601	0.05201	0.06213	1.08E-04	5.432E-06	1.0323E-07	6.942E-08	1.14E-04	1.33E-04	6.66E-06	1.02E-07	3.89E-08	1.39E-04	1.17E-04	5.121E-06	9.894E-08	4.013E-08	0.0001221
2296 495411.06, 3859951.99	0.0573	0.06161	0.05983	0.05188	0.06165	1.08E-04	5.405E-06	1.0297E-07	6.888E-08	1.13E-04	1.32E-04	6.62E-06	1.02E-07	3.86E-08	1.39E-04	1.16E-04	5.095E-06	9.869E-08	3.982E-08	0.0001216
2297 495461.06, 3859951.99	0.05703	0.06132	0.05958	0.05172	0.06125	1.07E-04	5.379E-06	1.0265E-07	6.844E-08	1.13E-04	1.31E-04	6.59E-06	1.01E-07	3.83E-08	1.38E-04	1.16E-04	5.071E-06	9.838E-08	3.957E-08	0.000121
2298 495511.06, 3859951.99	0.05676	0.06102	0.05933	0.05157	0.06083	1.07E-04	5.353E-06	1.0236E-07	6.797E-08	1.12E-04	1.31E-04	6.56E-06	1.01E-07	3.80E-08	1.37E-04	1.15E-04	5.046E-06	9.81E-08	3.929E-08	0.0001204
2299 495561.06, 3859951.99	0.05657	0.06081	0.05915	0.0514	0.06078	1.06E-04	5.335E-06	1.0202E-07	6.791E-08	1.12E-04	1.30E-04	6.54E-06	1.01E-07	3.80E-08	1.37E-04	1.15E-04	5.029E-06	9.778E-08	3.926E-08	0.00012
2300 495611.06, 3859951.99	0.05629	0.0605	0.05889	0.05125	0.06032	1.06E-04	5.307E-06	1.0172E-07	6.74E-08	1.11E-04	1.30E-04	6.50E-06	1.00E-07	3.77E-08	1.36E-04	1.14E-04	5.003E-06	9.749E-08	3.896E-08	0.0001194
2301 495661.06, 3859951.99	0.05599	0.06016	0.05862	0.05111	0.05974	1.05E-04	5.278E-06	1.0144E-07	6.675E-08	1.11E-04	1.29E-04	6.47E-06	1.00E-07	3.74E-08	1.36E-04	1.14E-04	4.975E-06	9.722E-08	3.859E-08	0.0001188
2302 494311.06, 3860001.99	0.06209	0.06679	0.06447	0.05479	0.06891	1.17E-04	5.859E-06	1.0875E-07	7.699E-08	1.23E-04	1.43E-04	7.18E-06	1.07E-07	4.31E-08	1.50E-04	1.26E-04	5.523E-06	1.042E-07	4.451E-08	0.0001317
2303 494361.06, 3860001.99	0.06182	0.06654	0.06423	0.05459	0.06852	1.16E-04	5.837E-06	1.0835E-07	7.656E-08	1.22E-04	1.42E-04	7.15E-06	1.07E-07	4.29E-08	1.50E-04	1.26E-04	5.503E-06	1.038E-07	4.426E-08	0.0001312
2304 494411.06, 3860001.99	0.06152	0.0663	0.06402	0.05442	0.06784	1.16E-04	5.816E-06	1.0801E-07	7.58E-08	1.22E-04	1.42E-04	7.13E-06	1.07E-07	4.24E-08	1.49E-04	1.25E-04	5.483E-06	1.035E-07	4.382E-08	0.0001305
2305 494461.06, 3860001.99	0.06128	0.06605	0.06378	0.05421	0.06762	1.15E-04	5.794E-06	1.076E-07	7.555E-08	1.21E-04	1.41E-04	7.10E-06	1.06E-07	4.23E-08	1.48E-04	1.24E-04	5.462E-06	1.031E-07	4.368E-08	0.00013
2306 494511.06, 3860001.99	0.06101	0.06581	0.06354	0.05403	0.06713	1.15E-04	5.773E-06	1.0724E-07	7.501E-08	1.21E-04	1.40E-04	7.07E-06	1.06E-07	4.20E-08	1.48E-04	1.24E-04	5.442E-06	1.028E-07	4.336E-08	0.0001295
2307 494561.06, 3860001.99	0.06087	0.06557	0.06327	0.05376	0.06775	1.14E-04	5.752E-06	1.067E-07	7.57E-08	1.20E-04	1.40E-04	7.05E-06	1.05E-07	4.24E-08	1.47E-04	1.24E-04	5.423E-06	1.023E-07	4.376E-08	0.0001292
2308 494611.06, 3860001.99	0.06059	0.06532	0.06305	0.05359	0.06721	1.14E-04	5.73E-06	1.0637E-07	7.509E-08	1.20E-04	1.40E-04	7.02E-06	1.05E-07	4.20E-08	1.47E-04	1.23E-04	5.402E-06	1.019E-07	4.342E-08	0.0001286
2309 494661.06, 3860001.99	0.06034	0.06507	0.06282	0.05339	0.06697	1.13E-04	5.708E-06	1.0597E-07	7.483E-08	1.19E-04	1.39E-04	7.00E-06	1.05E-07	4.19E-08	1.46E-04	1.23E-04	5.381E-06	1.016E-07	4.326E-08	0.000128
2310 494711.06, 3860001.99	0.05998	0.06482	0.0626	0.05328	0.0658	1.13E-04	5.686E-06	1.0575E-07	7.352E-08	1.19E-04	1.38E-04	6.97E-06	1.04E-07	4.12E-08	1.45E-04	1.22E-04	5.361E-06	1.014E-07	4.25E-08	0.0001273
2311 494761.06, 3860001.99	0.0598	0.06458	0.06238	0.05304	0.06602	1.12E-04	5.665E-06	1.0527E-07	7.377E-08	1.18E-04	1.38E-04	6.94E-06	1.04E-07	4.13E-08	1.45E-04	1.21E-04	5.341E-06	1.009E-07	4.265E-08	0.0001269
2312 494811.06, 3860001.99	0.05956	0.06434	0.06215	0.05284	0.06585	1.12E-04	5.644E-06	1.0488E-07	7.358E-08	1.18E-04	1.37E-04	6.92E-06	1.04E-07	4.12E-08	1.44E-04	1.21E-04	5.321E-06	1.005E-07	4.254E-08	0.0001264
2313 494861.06, 3860001.99	0.05933	0.06409	0.06192	0.05265	0.06576	1.11E-04	5.622E-06	1.045E-07	7.347E-08	1.17E-04	1.37E-04	6.89E-06	1.03E-07	4.11E-08	1.44E-04	1.20E-04	5.3E-06	1.002E-07	4.248E-08	0.0001259
2314 494911.06, 3860001.99	0.05899	0.06352	0.06169	0.05255	0.0647	1.11E-04	5.572E-06	1.043E-07	7.229E-08	1.17E-04	1.36E-04	6.83E-06	1.03E-07	4.05E-08	1.43E-04	1.20E-04	5.253E-06	9.996E-08	4.179E-08	0.0001252
2315 494961.06, 3860001.99	0.05876	0.06329	0.06147	0.05236	0.06457	1.10E-04	5.552E-06	1.0392E-07	7.214E-08	1.16E-04	1.35E-04	6.80E-06	1.03E-07	4.04E-08	1.42E-04	1.19E-04	5.234E-06	9.96E-08	4.171E-08	0.0001247
2316 495011.06, 3860001.99	0.0585	0.06302	0.06125	0.0522	0.06411	1.10E-04	5.529E-06	1.0361E-07	7.163E-08	1.16E-04	1.35E-04	6.77E-06	1.02E-07	4.01E-08	1.42E-04	1.19E-04	5.212E-06	9.93E-08	4.141E-08	0.0001241

2317 495061.06, 3860001.99	0.05827	0.0628	0.06103	0.05201	0.06401	1.10E-04	5.509E-06	1.0323E-07	7.152E-08	1.15E-04	1.34E-04	6.75E-06	1.02E-07	4.00E-08	1.41E-04	1.18E-04	5.193E-06	9.894E-08	4.135E-08	0.0001236
2318 495111.06, 3860001.99	0.05801	0.06252	0.06081	0.05187	0.06353	1.09E-04	5.485E-06	1.0295E-07	7.098E-08	1.15E-04	1.34E-04	6.72E-06	1.02E-07	3.97E-08	1.40E-04	1.18E-04	5.17E-06	9.867E-08	4.104E-08	0.0001231
2319 495161.06, 3860001.99	0.05774	0.06225	0.06058	0.05173	0.06306	1.09E-04	5.461E-06	1.0267E-07	7.046E-08	1.14E-04	1.33E-04	6.69E-06	1.01E-07	3.94E-08	1.40E-04	1.17E-04	5.148E-06	9.84E-08	4.073E-08	0.0001225
2320 495211.06, 3860001.99	0.05752	0.06203	0.06037	0.05155	0.06293	1.08E-04	5.442E-06	1.0232E-07	7.031E-08	1.14E-04	1.32E-04	6.67E-06	1.01E-07	3.94E-08	1.39E-04	1.17E-04	5.13E-06	9.806E-08	4.065E-08	0.0001221
2321 495261.06, 3860001.99	0.05727	0.06176	0.06015	0.05141	0.06251	1.08E-04	5.418E-06	1.0204E-07	6.984E-08	1.13E-04	1.32E-04	6.64E-06	1.01E-07	3.91E-08	1.39E-04	1.16E-04	5.107E-06	9.779E-08	4.038E-08	0.0001215
2322 495311.06, 3860001.99	0.05703	0.06151	0.05994	0.05126	0.06223	1.07E-04	5.396E-06	1.0174E-07	6.953E-08	1.13E-04	1.31E-04	6.61E-06	1.00E-07	3.89E-08	1.38E-04	1.16E-04	5.087E-06	9.751E-08	4.02E-08	0.000121
2323 495361.06, 3860001.99	0.05674	0.0612	0.05923	0.05116	0.06153	1.07E-04	5.369E-06	1.0154E-07	6.875E-08	1.12E-04	1.31E-04	6.58E-06	1.00E-07	3.85E-08	1.37E-04	1.15E-04	5.061E-06	9.732E-08	3.975E-08	0.0001204
2324 495411.06, 3860001.99	0.05653	0.06099	0.05906	0.05097	0.06151	1.06E-04	5.35E-06	1.0117E-07	6.873E-08	1.12E-04	1.30E-04	6.56E-06	9.98E-08	3.85E-08	1.37E-04	1.15E-04	5.044E-06	9.696E-08	3.973E-08	0.00012
2325 495461.06, 3860001.99	0.05629	0.06074	0.05882	0.05083	0.06115	1.06E-04	5.329E-06	1.0089E-07	6.832E-08	1.11E-04	1.30E-04	6.53E-06	9.96E-08	3.82E-08	1.36E-04	1.14E-04	5.023E-06	9.669E-08	3.95E-08	0.0001194
2326 495511.06, 3860001.99	0.05605	0.06048	0.05859	0.05068	0.06082	1.05E-04	5.306E-06	1.0059E-07	6.796E-08	1.11E-04	1.29E-04	6.50E-06	9.93E-08	3.80E-08	1.36E-04	1.14E-04	5.002E-06	9.641E-08	3.929E-08	0.0001189
2327 495561.06, 3860001.99	0.05584	0.06026	0.0584	0.05051	0.06067	1.05E-04	5.286E-06	1.0025E-07	6.779E-08	1.10E-04	1.29E-04	6.48E-06	9.89E-08	3.79E-08	1.35E-04	1.13E-04	4.983E-06	9.608E-08	3.919E-08	0.0001185
2328 495611.06, 3860001.99	0.05558	0.05979	0.05814	0.0504	0.06017	1.04E-04	5.245E-06	1.0003E-07	6.723E-08	1.10E-04	1.28E-04	6.43E-06	9.87E-08	3.76E-08	1.35E-04	1.13E-04	4.945E-06	9.587E-08	3.887E-08	0.0001179
2329 495661.06, 3860001.99	0.05532	0.05949	0.05788	0.05027	0.0597	1.04E-04	5.219E-06	9.9777E-08	6.67E-08	1.09E-04	1.27E-04	6.40E-06	9.85E-08	3.73E-08	1.34E-04	1.12E-04	4.92E-06	9.563E-08	3.856E-08	0.0001174
2330 494411.06, 3860051.99	0.06054	0.06513	0.06291	0.05355	0.06748	1.14E-04	5.714E-06	1.0629E-07	7.54E-08	1.20E-04	1.39E-04	7.00E-06	1.05E-07	4.22E-08	1.47E-04	1.23E-04	5.386E-06	1.019E-07	4.359E-08	0.0001285
2331 494461.06, 3860051.99	0.06029	0.0649	0.06269	0.05336	0.06709	1.13E-04	5.693E-06	1.0591E-07	7.496E-08	1.19E-04	1.39E-04	6.98E-06	1.05E-07	4.20E-08	1.46E-04	1.22E-04	5.367E-06	1.015E-07	4.334E-08	0.0001279
2332 494511.06, 3860051.99	0.06004	0.06466	0.06247	0.05316	0.06675	1.13E-04	5.672E-06	1.0551E-07	7.458E-08	1.19E-04	1.38E-04	6.95E-06	1.04E-07	4.17E-08	1.45E-04	1.22E-04	5.347E-06	1.011E-07	4.312E-08	0.0001274
2333 494561.06, 3860051.99	0.05985	0.06443	0.0622	0.05294	0.06691	1.12E-04	5.652E-06	1.0508E-07	7.476E-08	1.18E-04	1.38E-04	6.93E-06	1.04E-07	4.18E-08	1.45E-04	1.22E-04	5.328E-06	1.007E-07	4.322E-08	0.000127
2334 494611.06, 3860051.99	0.05961	0.06419	0.06197	0.05273	0.06676	1.12E-04	5.631E-06	1.0466E-07	7.459E-08	1.18E-04	1.37E-04	6.90E-06	1.03E-07	4.18E-08	1.44E-04	1.21E-04	5.308E-06	1.003E-07	4.312E-08	0.0001265
2335 494661.06, 3860051.99	0.05938	0.06395	0.06174	0.05253	0.06652	1.12E-04	5.61E-06	1.0426E-07	7.432E-08	1.17E-04	1.37E-04	6.87E-06	1.03E-07	4.16E-08	1.44E-04	1.21E-04	5.289E-06	9.993E-08	4.297E-08	0.000126
2336 494711.06, 3860051.99	0.0591	0.06372	0.06155	0.05238	0.06582	1.11E-04	5.59E-06	1.0396E-07	7.354E-08	1.17E-04	1.36E-04	6.85E-06	1.03E-07	4.12E-08	1.43E-04	1.20E-04	5.27E-06	9.964E-08	4.252E-08	0.0001254
2337 494761.06, 3860051.99	0.05887	0.06349	0.06133	0.05218	0.06563	1.11E-04	5.57E-06	1.0357E-07	7.333E-08	1.16E-04	1.36E-04	6.83E-06	1.02E-07	4.10E-08	1.43E-04	1.20E-04	5.251E-06	9.926E-08	4.239E-08	0.0001249
2338 494811.06, 3860051.99	0.05866	0.06325	0.06108	0.05197	0.06563	1.10E-04	5.549E-06	1.0315E-07	7.333E-08	1.16E-04	1.35E-04	6.80E-06	1.02E-07	4.10E-08	1.42E-04	1.19E-04	5.231E-06	9.886E-08	4.239E-08	0.0001245
2339 494861.06, 3860051.99	0.05843	0.06301	0.06084	0.05177	0.06556	1.10E-04	5.528E-06	1.0275E-07	7.325E-08	1.16E-04	1.35E-04	6.77E-06	1.01E-07	4.10E-08	1.41E-04	1.19E-04	5.211E-06	9.848E-08	4.235E-08	0.000124
2340 494911.06, 3860051.99	0.05817	0.06278	0.06066	0.05161	0.06502	1.09E-04	5.507E-06	1.0244E-07	7.265E-08	1.15E-04	1.34E-04	6.75E-06	1.01E-07	4.07E-08	1.41E-04	1.18E-04	5.192E-06	9.818E-08	4.2E-08	0.0001234
2341 494961.06, 3860051.99	0.05791	0.06255	0.06046	0.05146	0.06445	1.09E-04	5.487E-06	1.0214E-07	7.201E-08	1.14E-04	1.33E-04	6.72E-06	1.01E-07	4.03E-08	1.40E-04	1.18E-04	5.173E-06	9.789E-08	4.163E-08	0.0001229
2342 495011.06, 3860051.99	0.05765	0.06232	0.06026	0.05131	0.06396	1.08E-04	5.467E-06	1.0184E-07	7.146E-08	1.14E-04	1.33E-04	6.70E-06	1.01E-07	4.00E-08	1.40E-04	1.17E-04	5.154E-06	9.76E-08	4.132E-08	0.0001223
2343 495061.06, 3860051.99	0.0574	0.06208	0.06006	0.05114	0.0636	1.08E-04	5.446E-06	1.015E-07	7.106E-08	1.13E-04	1.32E-04	6.67E-06	1.00E-07	3.98E-08	1.39E-04	1.17E-04	5.134E-06	9.728E-08	4.108E-08	0.0001218
2344 495111.06, 3860051.99	0.05714	0.06185	0.05984	0.05102	0.06305	1.07E-04	5.426E-06	1.0127E-07	7.045E-08	1.13E-04	1.32E-04	6.65E-06	9.99E-08	3.94E-08	1.38E-04	1.16E-04	5.115E-06	9.705E-08	4.073E-08	0.0001213
2345 495161.06, 3860051.99	0.0569	0.06161	0.05963	0.05086	0.06271	1.07E-04	5.405E-06	1.0095E-07	7.007E-08	1.13E-04	1.31E-04	6.62E-06	9.96E-08	3.92E-08	1.38E-04	1.16E-04	5.095E-06	9.675E-08	4.051E-08	0.0001208
2346 495211.06, 3860051.99	0.05665	0.06108	0.05942	0.05071	0.06228	1.06E-04	5.358E-06	1.0065E-07	6.959E-08	1.12E-04	1.30E-04	6.57E-06	9.93E-08	3.90E-08	1.37E-04	1.15E-04	5.051E-06	9.646E-08	4.023E-08	0.0001202
2347 495261.06, 3860051.99	0.05642	0.06085	0.05921	0.05054	0.06205	1.06E-04	5.338E-06	1.0031E-07	6.933E-08	1.12E-04	1.30E-04	6.54E-06	9.90E-08	3.88E-08	1.37E-04	1.15E-04	5.032E-06	9.614E-08	4.008E-08	0.0001197
2348 495311.06, 3860051.99	0.0562	0.06063	0.059	0.05037	0.06188	1.06E-04	5.319E-06	9.9975E-08	6.914E-08	1.11E-04	1.29E-04	6.52E-06	9.87E-08	3.87E-08	1.36E-04	1.14E-04	5.014E-06	9.582E-08	3.997E-08	0.0001193
2349 495361.06, 3860051.99	0.05598	0.06039	0.0588	0.05022	0.06162	1.05E-04	5.298E-06	9.9677E-08	6.885E-08	1.11E-04	1.29E-04	6.49E-06	9.84E-08	3.85E-08	1.36E-04	1.14E-04	4.994E-06	9.553E-08	3.98E-08	0.0001188
2350 495411.06, 3860051.99	0.05575	0.06015	0.05859	0.05007	0.0613	1.05E-04	5.277E-06	9.938E-08	6.849E-08	1.10E-04	1.28E-04	6.47E-06	9.81E-08	3.83E-08	1.35E-04	1.13E-04	4.974E-06	9.525E-08	3.96E-08	0.0001183
2351 495461.06, 3860051.99	0.0555	0.0599	0.05839	0.04994	0.06093	1.04E-04	5.255E-06	9.9122E-08	6.808E-08	1.10E-04	1.28E-04	6.44E-06	9.78E-08	3.81E-08	1.34E-04	1.13E-04	4.954E-06	9.5E-08	3.936E-08	0.0001178
2352 495511.06, 3860051.99	0.05529	0.05968	0.05819	0.04978	0.06071	1.04E-04	5.236E-06	9.8804E-08	6.783E-08	1.09E-04	1.27E-04	6.42E-06	9.75E-08	3.80E-08	1.34E-04	1.12E-04	4.935E-06	9.469E-08	3.922E-08	0.0001173
2353 495561.06, 3860051.99	0.05506	0.05944	0.05799	0.04964	0.0604	1.03E-04	5.214E-06	9.8526E-08	6.749E-08	1.09E-04	1.27E-04	6.39E-06	9.72E-08	3.78E-08	1.33E-04	1.12E-04	4.916E-06	9.443E-08	3.902E-08	0.0001168
2354 495611.06, 3860051.99	0.05483	0.05918	0.05779	0.04952	0.06001	1.03E-04	5.192E-06	9.8288E-08	6.705E-08	1.08E-04	1.26E-04	6.36E-06	9.70E-08	3.75E-08	1.33E-04	1.11E-04	4.894E-06	9.42E-08	3.876E-08	0.0001164
2355 495661.06, 3860051.99	0.05458	0.05891	0.05713	0.04942	0.05948	1.03E-04	5.168E-06	9.809E-08	6.646E-08	1.08E-04	1.26E-04	6.33E-06	9.68E-08	3.72E-08	1.32E-04	1.11E-04	4.872E-06	9.401E-08	3.842E-08	0.0001158
2356 494411.06, 3860101.99	0.05949	0.06398	0.06186	0.05274	0.06656	1.12E-04	5.613E-06	1.0468E-07	7.437E-08	1.18E-04	1.37E-04	6.88E-06	1.03E-07	4.16E-08	1.44E-04	1.21E-04	5.291E-06	1.003E-07	4.3E-08	0.0001262
2357 494461.06, 3860101.99	0.05929	0.06374	0.0616	0.05252	0.06663	1.11E-04	5.592E-06	1.0424E-07	7.445E-08	1.17E-04	1.37E-04	6.85E-06	1.03E-07	4.17E-08	1.44E-04	1.20E-04	5.271E-06	9.991E-08	4.304E-08	0.0001258
2358 494511.06, 3860101.99	0.05904	0.06354	0.06142	0.05235	0.06606	1.11E-04	5.574E-06	1.0391E-07	7.381E-08	1.17E-04	1.36E-04	6.83E-06	1.03E-07	4.13E-08	1.43E-04	1.20E-04	5.255E-06	9.958E-08	4.267E-08	0.0001253
2359 494561.06, 3860101.99	0.05882	0.06331	0.06118	0.05214	0.06595	1.11E-04	5.554E-06	1.0349E-07	7.369E-08	1.16E-04	1.35E-04	6.81E-06	1.02E-07	4.12E-08	1.42E-04	1.19E-04	5.236E-06	9.918E-08	4.26E-08	0.0001248
2360 494611.06, 3860101.99	0.05862	0.06305	0.06091	0.05192	0.06607	1.10E-04	5.531E-06	1.0305E-07	7.382E-08	1.16E-04	1.35E-04	6.78E-06	1.02E-07	4.13E-08	1.42E-04	1.19E-04	5.214E-06	9.876E-08	4.268E-08	0.0001244
2361 494661.06, 3860101.99	0.05839	0.06282	0.06068	0.05171	0.0659	1.10E-04	5.511E-06	1.0263E-07	7.363E-08	1.15E-04	1.34E-04	6.75E-06	1.01E-07	4.12E-08	1.41E-04	1.19E-04	5.195E-06	9.837E-08	4.257E-08	0.0001239
2362 494711.06, 3860101.99	0.05815	0.06262	0.0605	0.05156	0.06534	1.09E-04	5.493E-06	1.0234E-07	7.301E-08	1.15E-04	1.34E-04	6.73E-06	1.01E-07	4.09E-08	1.41E-04	1.18E-04	5.179E-06	9.808E-08	4.221E-08	0.0001234
2363 494761.06, 3860101.99	0.05792	0.06239	0.06028	0.05136	0.06513	1.09E-04	5.473E-06	1.0194E-07	7.277E-08	1.14E-04	1.33E-04	6.71E-06	1.01E-07	4.07E-08	1.40E-04	1.18E-04	5.16E-06	9.77E-08	4.207E-08	0.0001229
2364 494811.06, 3860101.99	0.0577	0.06216	0.06006	0.05117	0.06495	1.08E-04	5.453E-06	1.0156E-07	7.257E-08	1.14E-04	1.33E-04	6.68E-06	1.00E-07	4.06E-08	1.40E-04	1.17E-04	5.141E-06	9.734E-08	4.196E-08	0.0001224
2365 494861.06, 3860101.99	0.05746	0.06186	0.05974	0.05091	0.0653	1.08E-04	5.427E-06	1.0105E-07	7.296E-08	1.14E-04	1.32E-04	6.65E-06	9.97E-08	4.08E-08	1.39E-04	1.17E-04	5.116E-06	9.684E-08	4.218E-08	0.0001219
2366 494911.06, 3860101.99	0.05723	0.06173	0.05966	0.05083	0.06418	1.08E-04	5.415E-06	1.0089E-07	7.171E-08	1.13E-04	1.32E-04	6.64E-06	9.96E-08	4.01E-08	1.39E-04	1.16E-04	5.105E-06	9.669E-08	4.146E-08	0.0001214
2367 494961.06, 3860101.99	0.057	0.06151	0.05946	0.05065	0.06392	1.07E-04	5.396E-06	1.0053E-07	7.142E-08	1.13E-04	1.31E-04	6.61E-06	9.92E-08	4.00E-08	1.38E-04	1.16E-04	5.087E-06	9.635E-08	4.129E-08	0.000121
2368 495011.06, 3860101.99	0.05676	0.06129	0.05927	0.0505	0.06348	1.07E-04	5.377E-06	1.0023E-07	7.093E-08	1.12E-04	1.31E-04	6.59E-06	9.89E-08	3.97E-08	1.37E-04	1.15E-04	5.069E-06	9.606E-08	4.101E-08	0.0001204
2369 495061.06, 3860101.99	0.05652	0.06106	0.05907	0.05034	0.06306	1.06E-04	5.357E-06	9.9916E-08	7.046E-08	1.12E-04	1.30E-04	6.56E-06	9.86E-08	3.94E-08	1.37E-04	1.15E-04	5.05E-06	9.576E-08	4.073E-08	0.0001199
2370 495111.06, 3860101.99	0.05627	0.06084	0.05889	0.0502	0.06252	1.06E-04	5.337E-06	9.9638E-08	6.985E-08	1.11E-04	1.30E-04	6.54E-06	9.83E-08	3.91E-08	1.36E-04	1.14E-04	5.031E-06	9.549E-08	4.039E-08	0.0001194
2371 495161.06, 3860101.99	0.05605	0.06062	0.05868	0.05002	0.06232	1.05E-04	5.318E-06	9.928E-08	6.963E-08	1.11E-04	1.29E-04	6.52E-06	9.80E-08	3.90E-08	1.36E-04	1.14E-04	5.013E-06	9.515E-08	4.026E-08	0.000119
2372 495211.06, 3860101.99	0.05582	0.06039	0.05848	0.04986	0.06199	1.05E-04	5.298E-06	9.8963E-08	6.926E-08	1.10E-04	1.29E-04	6.49E-06	9.77E-08	3.88E-08	1.35E-04	1.13E-04	4.994E-06	9.485E-08	4.004E-08	0.0001185
2373 495261.06, 3860101.99	0.05559	0.06017	0.05828	0.04971	0.06166	1.04E-04	5.279E-06	9.8665E-08	6.889E-08	1.10E-04	1.28E-04	6.47E-06	9.74E-08	3.86E-08	1.35E-04	1.13E-04	4.976E-06	9.456E-08	3.983E-08	0.000118
2374 495311.06, 3860101.99	0.05537	0.05995	0.05808	0.04955	0.0614	1.04E-04	5.259E-06	9.8348E-08	6.86E-08	1.09E-04	1.28E-04	6.44E-06	9.71E-08	3.84E-08	1.34E-04	1.12E-04	4.958E-06	9.426E-08	3.966E-08	0.0001175
2375 495361.06, 3860101.99	0.05516	0.05973	0.05788	0.04937	0.06125	1.04E-04	5.24E-06	9.799E-08	6.844E-08	1.09E-04	1.27E-04	6.42E-06	9.67E-08	3.83E-08	1.34E-04	1.12E-04	4.94E-06	9.391E-08	3.957E-08	0.0001171
2376 495411.06, 3860101.99	0.05493	0.05951	0.05769	0.04923	0.06092	1.03E-04	5.221E-06	9.7712E-08	6.807E-08	1.09E-04	1.26E-04	6.40E-06	9.64E-08	3.81E-08	1.33E-04	1.12E-04	4.921E-06	9.365E-08	3.935E-08	0.0001166
2377 495461.06, 3860101.99	0.05469	0.05903	0.05748	0.04912	0.0604	1.03E-04	5.179E-06	9.7494E-08	6.749E-08	1.08E-04	1.26E-04	6.35E-06	9.62E-08	3.78E-08	1.32E-04	1.11E-04	4.882E-06	9.344E-08	3.902E-08	0.0001161
2378 495511.06, 3860101.99	0.05448	0.05882	0.05729	0.04895	0.06026	1.02E-04	5.16E-06	9.7157E-08	6.733E-08	1.08E-04	1.25E-04	6.32E-06	9.59E-08	3.77E-08	1.32E-04	1.11E-04	4.864E-06	9.312E-08	3.893E-08	0.0001156
2379 495561.06, 3860101.99	0.05427	0.05887	0.0571	0.04878	0.06011	1.02E-04	5.164E-06	9.6819E-08	6.716E-08	1.07E-04	1.25E-04	6.33E-06	9.56E-08	3.76E-08	1.31E-04	1.10E-04	4.868E-06	9.279E-08	3.883E-08	0.0001152
2380 495611.06, 3860101.99	0.05404	0.05835	0.0569	0.04868	0.0596	1.02E-04	5.119E-06	9.6621E-08	6.659E-08	1.07E-04	1.24E-04	6.27E-06	9.54E-08	3.73E-08	1.31E-04	1.10E-04	4.825E-06	9.26E-08	3.85E-08	0.0001147
2381 495661.06, 3860101.99	0.05382	0.05812	0.05671	0.04854	0.05931	1.01E-04	5.099E-06	9.6343E-08	6.627E-08	1.06E-04	1.24E-04	6.25E-06	9.51E-08	3.71E-08	1.30E-04	1.09E-04	4.806E-06	9.234E-08	3.831E-08	0.0001142
2382 494861.06, 3860151.99	0.05648	0.06068	0.05861	0.05006	0.06487	1.06E-04	5.323E-06	9.936E-08	7.248E-08	1.12E-04	1.30E-04	6.52E-06	9.81E-08	4.06E-08	1.37E-04	1.15E-04	5.018E-06	9.523E-08	4.19E-08	0.0001198
2383 494911.06, 3860151.99	0.05629	0.06064	0.05863	0.05003	0.06378	1.06E-04	5.32E-06	9.93E-08	7.126E-08	1.11E-04	1.30E-04	6.52E-06	9.80E-08	3.99E-08	1.36E-04	1.14E-04	5.015E-06	9.517E-08	4.12E-08	0.0001194
2384 494961.06, 3860151.99	0.05608	0.06045	0.05845	0.04987	0.0634	1.05E-04	5.303E-06	9.8983E-08	7.084E-08	1.11E-04	1.29E-04	6.50E-06	9.77E-08	3.97E-08	1.36E-04	1.14E-04	4.999E-06	9.487E-08	4.095E-08	0.000119
2385 495011.06, 3860151.99	0.05586	0.06025	0.05827	0.04971	0.06298	1.05E-04	5.286E-06	9.8665E-08	7.037E-08	1.10E-04	1.29E-04	6.48E-06	9.74E-08	3.94E-08	1.35E-04	1.13E-04	4.983E-06	9.456E-08	4.068E-08	0.0001185
2386 495061.06, 3860151.99	0.05564	0.06005	0.05809	0.04955	0.06256	1.05E-04	5.268E-06	9.8348E-08	6.99E-08	1.10E-04	1.28E-04	6.46E-06	9.71E-08	3.91E-08	1.35E-04	1.13E-04	4.966E-06	9.426E-08	4.041E-08	0.0001181
2387 495111.06, 3860151.99	0.05542	0.05984	0.0579	0.04939	0.06223	1.04E-04	5.25E-06	9.803E-08	6.953E-08	1.10E-04	1.28E-04	6.43E-06	9.68E-08	3.89E-08	1.34E-04	1.13E-04	4.949E-06	9.395E-08	4.02E-08	0.0001176
2388 495161.06, 3860151.99	0.0552	0.05963	0.05771	0.04923	0.06195	1.04E-04	5.231E-06	9.7712E-08	6.922E-08	1.09E-04	1.27E-04	6.41E-06	9.64E-08	3.87E-08	1.34E-04	1.12E-04	4.931E-06	9.365E-08	4.002E-08	0.0001171
2389 495211.06, 3860151.99	0.05498	0.05942	0.05752	0.04907	0.0616	1.03E-04	5.213E-06	9.7395E-08	6.883E-08	1.09E-04	1.27E-04	6.39E-06	9.61E-08	3.85E-08	1.33E-04	1.12E-04	4.914E-06	9.334E-08	3.979E-08	0.0001167
2390 495261.06, 3860151.99	0.05477	0.05921	0.05733	0.04891	0.06134	1.03E-04	5.194E-06	9.7077E-08	6.854E-08	1.08E-04	1.26E-04	6.37E-06	9.58E-08	3.84E-08	1.33E-04	1.11E-04	4.897E-06	9.304E-08	3.962E-08	0.0001162
2391 495311.06, 3860151.99	0.05455	0.05899	0.05714	0.04875	0.06108	1.03E-04	5.175E-06	9.676E-08	6.825E-08	1.08E-04	1.26E-04	6.34E-06	9.55E-08	3.82E-08	1.32E-04	1.11E-04	4.878E-06	9.273E-08	3.946E-08	0.0001158
2392 495361.06, 3860151.99	0.05434	0.05878	0.05695	0.04859	0.06084	1.02E-04	5.157E-06	9.6442E-08	6.798E-08	1.07E-04	1.25E-04	6.32E-06	9.52E-08	3.81E-08	1.32E-04	1.10E-04	4.861E-06	9.243E-08	3.93E-08	0.0001153
2393 495411.06, 3860151.99	0.05412	0.05857	0.05676	0.04844	0.06054	1.02E-04	5.138E-06	9.6144E-08	6.764E-08	1.07E-04	1.25E-04	6.30E-06	9.49E-08	3.79E-08	1.31E-04	1.10E-04	4.844E-06	9.215E-08	3.911E-08	0.0001149
2394 495461.06, 3860151.99	0.05391	0.05836	0.05658	0.04829	0.06025	1.01E-04	5.12E-06	9.5847E-08	6.732E-08	1.07E-04	1.24E-04	6.27E-06	9.46E-08	3.77E-08	1.31E-04	1.09E-04	4.826E-06	9.186E-08	3.892E-08	0.0001144
2395 495511.06, 3860151.99	0.05369	0.05815	0.0564	0.04815	0.05989	1.01E-04	5.101E-06	9.5569E-08	6.692E-08	1.06E-04	1.24E-04	6.25E-06	9.43E-08	3.75E-08	1.30E-04	1.09E-04	4.809E-06	9.159E-08	3.869E-08	0.000114
2396 495561.06, 3860151.99	0.05348	0.05794	0.05621	0.04799	0.05966	1.00E-04	5.083E-06	9.5251E-08	6.666E-08	1.06E-04	1.23E-04	6.23E-06	9.40E-08	3.73E-08	1.30E-04	1.09E-04	4.792E-06	9.129E-08	3.854E-08	0.0001135

2397	495611.06, 3860151.99	0.05326	0.05774	0.05603	0.04786	0.05931	1.00E-04	5.065E-06	9.4993E-08	6.627E-08	1.05E-04	1.23E-04	6.21E-06	9.38E-08	3.71E-08	1.29E-04	1.08E-04	4.775E-06	9.104E-08	3.831E-08	0.000113
2398	495661.06, 3860151.99	0.05304	0.05753	0.05584	0.04774	0.05892	9.97E-05	5.047E-06	9.4755E-08	6.583E-08	1.05E-04	1.22E-04	6.18E-06	9.35E-08	3.69E-08	1.28E-04	1.08E-04	4.758E-06	9.081E-08	3.806E-08	0.0001126
2399	495718.25, 3859442.96	0.05864	0.06524	0.06375	0.05557	0.05651	1.10E-04	5.723E-06	1.103E-07	6.314E-08	1.16E-04	1.35E-04	7.01E-06	1.09E-07	3.53E-08	1.42E-04	1.19E-04	5.395E-06	1.057E-07	3.65E-08	0.0001246
2400	495818.25, 3859442.96	0.05767	0.06428	0.06281	0.05481	0.05543	1.08E-04	5.639E-06	1.0879E-07	6.193E-08	1.14E-04	1.33E-04	6.91E-06	1.07E-07	3.47E-08	1.40E-04	1.17E-04	5.316E-06	1.043E-07	3.581E-08	0.0001225
2401	495918.25, 3859442.96	0.05696	0.06359	0.06211	0.05426	0.05474	1.07E-04	5.579E-06	1.077E-07	6.116E-08	1.13E-04	1.31E-04	6.84E-06	1.06E-07	3.42E-08	1.38E-04	1.16E-04	5.259E-06	1.032E-07	3.536E-08	0.000121
2402	496018.25, 3859442.96	0.05635	0.06302	0.06151	0.0538	0.05419	1.06E-04	5.529E-06	1.0678E-07	6.055E-08	1.12E-04	1.30E-04	6.77E-06	1.05E-07	3.39E-08	1.37E-04	1.14E-04	5.212E-06	1.023E-07	3.501E-08	0.0001198
2403	496118.25, 3859442.96	0.05655	0.06335	0.06171	0.054	0.05485	1.06E-04	5.557E-06	1.0718E-07	6.128E-08	1.12E-04	1.30E-04	6.81E-06	1.06E-07	3.43E-08	1.37E-04	1.15E-04	5.239E-06	1.027E-07	3.543E-08	0.0001202
2404	496218.25, 3859442.96	0.05661	0.0635	0.06177	0.05409	0.05533	1.06E-04	5.571E-06	1.0736E-07	6.182E-08	1.12E-04	1.30E-04	6.83E-06	1.06E-07	3.46E-08	1.37E-04	1.15E-04	5.251E-06	1.029E-07	3.574E-08	0.0001203
2405	496318.25, 3859442.96	0.05608	0.06299	0.06125	0.0537	0.05486	1.05E-04	5.526E-06	1.0658E-07	6.13E-08	1.11E-04	1.29E-04	6.77E-06	1.05E-07	3.43E-08	1.36E-04	1.14E-04	5.209E-06	1.022E-07	3.544E-08	0.0001192
2406	496418.25, 3859442.96	0.05551	0.06241	0.06068	0.05328	0.05432	1.04E-04	5.475E-06	1.0575E-07	6.069E-08	1.10E-04	1.28E-04	6.71E-06	1.04E-07	3.40E-08	1.35E-04	1.13E-04	5.161E-06	1.014E-07	3.509E-08	0.000118
2407	495718.25, 3859542.96	0.05875	0.06462	0.06336	0.05523	0.05758	1.10E-04	5.669E-06	1.0962E-07	6.433E-08	1.16E-04	1.35E-04	6.95E-06	1.08E-07	3.60E-08	1.42E-04	1.19E-04	5.344E-06	1.051E-07	3.719E-08	0.0001248
2408	495818.25, 3859542.96	0.05806	0.06399	0.06271	0.0547	0.05685	1.09E-04	5.614E-06	1.0857E-07	6.352E-08	1.15E-04	1.34E-04	6.88E-06	1.07E-07	3.56E-08	1.41E-04	1.18E-04	5.292E-06	1.041E-07	3.672E-08	0.0001233
2409	495918.25, 3859542.96	0.05723	0.06321	0.06193	0.05406	0.05589	1.08E-04	5.545E-06	1.073E-07	6.245E-08	1.13E-04	1.32E-04	6.80E-06	1.06E-07	3.50E-08	1.39E-04	1.16E-04	5.227E-06	1.028E-07	3.61E-08	0.0001216
2410	496018.25, 3859542.96	0.05652	0.06256	0.06125	0.05351	0.05513	1.06E-04	5.488E-06	1.0621E-07	6.16E-08	1.12E-04	1.30E-04	6.73E-06	1.05E-07	3.45E-08	1.37E-04	1.15E-04	5.174E-06	1.018E-07	3.561E-08	0.0001201
2411	496118.25, 3859542.96	0.05661	0.06277	0.06132	0.05357	0.05574	1.06E-04	5.507E-06	1.0633E-07	6.228E-08	1.12E-04	1.30E-04	6.75E-06	1.05E-07	3.49E-08	1.37E-04	1.15E-04	5.191E-06	1.019E-07	3.601E-08	0.0001203
2412	496218.25, 3859542.96	0.05647	0.06273	0.06117	0.05346	0.05598	1.06E-04	5.503E-06	1.0611E-07	6.255E-08	1.12E-04	1.30E-04	6.74E-06	1.05E-07	3.50E-08	1.37E-04	1.15E-04	5.188E-06	1.017E-07	3.616E-08	0.00012
2413	496318.25, 3859542.96	0.05619	0.06253	0.0609	0.05325	0.05596	1.06E-04	5.486E-06	1.0569E-07	6.252E-08	1.11E-04	1.29E-04	6.72E-06	1.04E-07	3.50E-08	1.36E-04	1.14E-04	5.171E-06	1.013E-07	3.615E-08	0.0001194
2414	496418.25, 3859542.96	0.05548	0.06185	0.06022	0.05272	0.05513	1.04E-04	5.426E-06	1.0464E-07	6.16E-08	1.10E-04	1.28E-04	6.65E-06	1.03E-07	3.45E-08	1.35E-04	1.13E-04	5.115E-06	1.003E-07	3.561E-08	0.0001179
2415	495718.25, 3859642.96	0.05834	0.06352	0.06241	0.05451	0.05818	1.10E-04	5.572E-06	1.0819E-07	6.501E-08	1.15E-04	1.34E-04	6.83E-06	1.07E-07	3.64E-08	1.41E-04	1.18E-04	5.253E-06	1.037E-07	3.758E-08	0.0001238
2416	495818.25, 3859642.96	0.05761	0.06283	0.06174	0.05394	0.05727	1.08E-04	5.512E-06	1.0706E-07	6.399E-08	1.14E-04	1.33E-04	6.75E-06	1.06E-07	3.58E-08	1.40E-04	1.17E-04	5.196E-06	1.026E-07	3.699E-08	0.0001223
2417	495918.25, 3859642.96	0.05709	0.06236	0.06125	0.05352	0.05678	1.07E-04	5.471E-06	1.0623E-07	6.344E-08	1.13E-04	1.31E-04	6.70E-06	1.05E-07	3.55E-08	1.38E-04	1.16E-04	5.157E-06	1.018E-07	3.668E-08	0.0001212
2418	496018.25, 3859642.96	0.05642	0.06175	0.06063	0.053	0.05601	1.06E-04	5.417E-06	1.052E-07	6.258E-08	1.12E-04	1.30E-04	6.64E-06	1.04E-07	3.50E-08	1.37E-04	1.15E-04	5.107E-06	1.008E-07	3.618E-08	0.0001198
2419	496118.25, 3859642.96	0.05652	0.06196	0.06069	0.05301	0.05679	1.06E-04	5.436E-06	1.0522E-07	6.345E-08	1.12E-04	1.30E-04	6.66E-06	1.04E-07	3.55E-08	1.37E-04	1.15E-04	5.124E-06	1.008E-07	3.668E-08	0.00012
2420	496218.25, 3859642.96	0.0564	0.06192	0.06054	0.05287	0.05715	1.06E-04	5.432E-06	1.0494E-07	6.385E-08	1.12E-04	1.30E-04	6.66E-06	1.04E-07	3.57E-08	1.37E-04	1.15E-04	5.121E-06	1.006E-07	3.692E-08	0.0001198
2421	496318.25, 3859642.96	0.05584	0.06143	0.06003	0.05244	0.05655	1.05E-04	5.389E-06	1.0408E-07	6.318E-08	1.10E-04	1.29E-04	6.60E-06	1.03E-07	3.54E-08	1.35E-04	1.13E-04	5.08E-06	9.975E-08	3.653E-08	0.0001186
2422	496418.25, 3859642.96	0.05419	0.05979	0.05855	0.05127	0.05379	1.02E-04	5.245E-06	1.0176E-07	6.01E-08	1.07E-04	1.25E-04	6.43E-06	1.00E-07	3.36E-08	1.31E-04	1.10E-04	4.945E-06	9.753E-08	3.475E-08	0.0001151
2423	495718.25, 3859742.96	0.05792	0.06257	0.06139	0.05369	0.05923	1.09E-04	5.489E-06	1.0656E-07	6.618E-08	1.15E-04	1.33E-04	6.73E-06	1.05E-07	3.70E-08	1.40E-04	1.18E-04	5.174E-06	1.021E-07	3.826E-08	0.0001229
2424	495818.25, 3859742.96	0.05717	0.06184	0.06074	0.05316	0.05812	1.07E-04	5.425E-06	1.0551E-07	6.494E-08	1.13E-04	1.32E-04	6.65E-06	1.04E-07	3.64E-08	1.38E-04	1.16E-04	5.114E-06	1.011E-07	3.754E-08	0.0001213
2425	495918.25, 3859742.96	0.05657	0.06126	0.0602	0.0527	0.05739	1.06E-04	5.374E-06	1.046E-07	6.412E-08	1.12E-04	1.30E-04	6.59E-06	1.03E-07	3.59E-08	1.37E-04	1.15E-04	5.066E-06	1.002E-07	3.707E-08	0.0001201
2426	496018.25, 3859742.96	0.05593	0.06066	0.05963	0.05221	0.05657	1.05E-04	5.322E-06	1.0363E-07	6.321E-08	1.11E-04	1.29E-04	6.52E-06	1.02E-07	3.54E-08	1.35E-04	1.14E-04	5.017E-06	9.932E-08	3.654E-08	0.0001187
2427	496118.25, 3859742.96	0.05587	0.06064	0.05953	0.05206	0.0571	1.05E-04	5.32E-06	1.0333E-07	6.38E-08	1.10E-04	1.29E-04	6.52E-06	1.02E-07	3.57E-08	1.35E-04	1.13E-04	5.015E-06	9.903E-08	3.688E-08	0.0001186
2428	496218.25, 3859742.96	0.05588	0.06071	0.05948	0.05195	0.05788	1.05E-04	5.326E-06	1.0311E-07	6.467E-08	1.11E-04	1.29E-04	6.53E-06	1.02E-07	3.62E-08	1.35E-04	1.13E-04	5.021E-06	9.882E-08	3.739E-08	0.0001186
2429	496318.25, 3859742.96	0.05467	0.05954	0.05845	0.05116	0.0556	1.03E-04	5.223E-06	1.0154E-07	6.212E-08	1.08E-04	1.26E-04	6.40E-06	1.00E-07	3.48E-08	1.32E-04	1.11E-04	4.924E-06	9.732E-08	3.592E-08	0.0001161
2430	496418.25, 3859742.96	0.0535	0.05843	0.05745	0.05036	0.05361	1.01E-04	5.126E-06	9.9955E-08	5.99E-08	1.06E-04	1.23E-04	6.28E-06	9.87E-08	3.35E-08	1.30E-04	1.09E-04	4.832E-06	9.58E-08	3.463E-08	0.0001136
2431	495718.25, 3859842.96	0.05702	0.06134	0.06002	0.05249	0.05958	1.07E-04	5.381E-06	1.0418E-07	6.657E-08	1.13E-04	1.31E-04	6.59E-06	1.03E-07	3.73E-08	1.38E-04	1.16E-04	5.073E-06	9.985E-08	3.849E-08	0.000121
2432	495818.25, 3859842.96	0.05646	0.06076	0.05953	0.05209	0.05884	1.06E-04	5.33E-06	1.0339E-07	6.574E-08	1.12E-04	1.30E-04	6.53E-06	1.02E-07	3.68E-08	1.37E-04	1.15E-04	5.025E-06	9.909E-08	3.801E-08	0.0001198
2433	495918.25, 3859842.96	0.05589	0.06018	0.05902	0.05169	0.05805	1.05E-04	5.279E-06	1.026E-07	6.486E-08	1.10E-04	1.29E-04	6.47E-06	1.01E-07	3.63E-08	1.35E-04	1.13E-04	4.977E-06	9.833E-08	3.75E-08	0.0001186
2434	496018.25, 3859842.96	0.05547	0.05976	0.05863	0.05133	0.05771	1.04E-04	5.243E-06	1.0188E-07	6.448E-08	1.10E-04	1.28E-04	6.42E-06	1.01E-07	3.61E-08	1.34E-04	1.13E-04	4.942E-06	9.764E-08	3.728E-08	0.0001177
2435	496118.25, 3859842.96	0.05543	0.05979	0.05857	0.05113	0.0586	1.04E-04	5.245E-06	1.0148E-07	6.547E-08	1.10E-04	1.28E-04	6.43E-06	1.00E-07	3.67E-08	1.34E-04	1.13E-04	4.945E-06	9.726E-08	3.785E-08	0.0001176
2436	496218.25, 3859842.96	0.05448	0.0588	0.05774	0.05057	0.05658	1.02E-04	5.158E-06	1.0037E-07	6.322E-08	1.08E-04	1.25E-04	6.32E-06	9.91E-08	3.54E-08	1.32E-04	1.11E-04	4.863E-06	9.62E-08	3.655E-08	0.0001156
2437	496318.25, 3859842.96	0.05253	0.05683	0.05609	0.04936	0.05246	9.87E-05	4.986E-06	9.797E-08	5.861E-08	1.04E-04	1.21E-04	6.11E-06	9.67E-08	3.28E-08	1.27E-04	1.07E-04	4.7E-06	9.39E-08	3.389E-08	0.0001115
2438	496418.25, 3859842.96	0.05101	0.05526	0.05472	0.04825	0.0499	9.59E-05	4.848E-06	9.5767E-08	5.575E-08	1.01E-04	1.17E-04	5.94E-06	9.45E-08	3.12E-08	1.24E-04	1.04E-04	4.57E-06	9.178E-08	3.223E-08	0.0001083
2439	495718.25, 3859942.96	0.05585	0.06001	0.05852	0.05106	0.05949	1.05E-04	5.264E-06	1.0134E-07	6.647E-08	1.10E-04	1.29E-04	6.45E-06	1.00E-07	3.72E-08	1.35E-04	1.13E-04	4.963E-06	9.713E-08	3.843E-08	0.0001185
2440	495818.25, 3859942.96	0.05531	0.05943	0.05804	0.05072	0.0587	1.04E-04	5.214E-06	1.0067E-07	6.559E-08	1.09E-04	1.27E-04	6.39E-06	9.94E-08	3.67E-08	1.34E-04	1.12E-04	4.915E-06	9.648E-08	3.792E-08	0.0001173
2441	495918.25, 3859942.96	0.05487	0.05895	0.05763	0.05038	0.05823	1.03E-04	5.171E-06	9.9995E-08	6.506E-08	1.08E-04	1.26E-04	6.34E-06	9.87E-08	3.64E-08	1.33E-04	1.11E-04	4.875E-06	9.584E-08	3.761E-08	0.0001164
2442	496018.25, 3859942.96	0.05462	0.05871	0.05739	0.05006	0.05856	1.03E-04	5.15E-06	9.936E-08	6.543E-08	1.08E-04	1.26E-04	6.31E-06	9.81E-08	3.66E-08	1.32E-04	1.11E-04	4.855E-06	9.523E-08	3.783E-08	0.0001159
2443	496118.25, 3859942.96	0.05394	0.05798	0.05679	0.04971	0.05711	1.01E-04	5.086E-06	9.8665E-08	6.381E-08	1.07E-04	1.24E-04	6.23E-06	9.74E-08	3.57E-08	1.31E-04	1.10E-04	4.795E-06	9.456E-08	3.689E-08	0.0001144
2444	496218.25, 3859942.96	0.05286	0.05686	0.05589	0.04916	0.0546	9.93E-05	4.988E-06	9.7574E-08	6.101E-08	1.04E-04	1.22E-04	6.11E-06	9.63E-08	3.41E-08	1.28E-04	1.07E-04	4.702E-06	9.351E-08	3.527E-08	0.0001122
2445	496318.25, 3859942.96	0.05159	0.05557	0.05481	0.04837	0.05198	9.69E-05	4.875E-06	9.6006E-08	5.808E-08	1.02E-04	1.19E-04	5.97E-06	9.48E-08	3.25E-08	1.25E-04	1.05E-04	4.596E-06	9.201E-08	3.358E-08	0.0001095
2446	496418.25, 3859942.96	0.04967	0.05359	0.05312	0.04705	0.04844	9.33E-05	4.701E-06	9.3386E-08	5.412E-08	9.82E-05	1.14E-04	5.76E-06	9.22E-08	3.03E-08	1.20E-04	1.01E-04	4.432E-06	8.95E-08	3.129E-08	0.0001054
2447	496856.82, 3858864.83	0.04942	0.05431	0.05443	0.04939	0.04625	9.29E-05	4.764E-06	9.803E-08	5.168E-08	9.78E-05	1.14E-04	5.84E-06	9.68E-08	2.89E-08	1.20E-04	1.00E-04	4.491E-06	9.395E-08	2.988E-08	0.000105
2448	496956.82, 3858864.83	0.0487	0.0534	0.05363	0.04873	0.0456	9.15E-05	4.685E-06	9.672E-08	5.095E-08	9.63E-05	1.12E-04	5.74E-06	9.55E-08	2.85E-08	1.18E-04	9.89E-05	4.416E-06	9.27E-08	2.946E-08	0.0001034
2449	497056.82, 3858864.83	0.04802	0.05253	0.05286	0.04811	0.04498	9.02E-05	4.608E-06	9.5489E-08	5.026E-08	9.50E-05	1.11E-04	5.65E-06	9.42E-08	2.81E-08	1.16E-04	9.75E-05	4.344E-06	9.152E-08	2.906E-08	0.000102
2450	497156.82, 3858864.83	0.04715	0.05144	0.05188	0.04729	0.04419	8.86E-05	4.513E-06	9.3862E-08	4.937E-08	9.33E-05	1.09E-04	5.53E-06	9.26E-08	2.76E-08	1.14E-04	9.57E-05	4.254E-06	8.996E-08	2.855E-08	0.0001001
2451	497256.82, 3858864.83	0.0469	0.05107	0.05162	0.0471	0.04397	8.81E-05	4.48E-06	9.3485E-08	4.913E-08	9.28E-05	1.08E-04	5.49E-06	9.23E-08	2.75E-08	1.14E-04	9.52E-05	4.223E-06	8.96E-08	2.84E-08	9.957E-05
2452	496856.82, 3858964.83	0.0504	0.05582	0.05561	0.05018	0.04717	9.47E-05	4.897E-06	9.9598E-08	5.27E-08	9.98E-05	1.16E-04	6.00E-06	9.83E-08	2.95E-08	1.22E-04	1.02E-04	4.616E-06	9.545E-08	3.047E-08	0.0001071
2453	496956.82, 3858964.83	0.04937	0.05456	0.05444	0.04922	0.0462	9.28E-05	4.786E-06	9.7693E-08	5.162E-08	9.77E-05	1.14E-04	5.87E-06	9.64E-08	2.89E-08	1.20E-04	1.00E-04	4.512E-06	9.363E-08	2.984E-08	0.0001049
2454	497056.82, 3858964.83	0.0486	0.05361	0.05358	0.04851	0.04549	9.13E-05	4.703E-06	9.6283E-08	5.083E-08	9.62E-05	1.12E-04	5.76E-06	9.50E-08	2.85E-08	1.18E-04	9.87E-05	4.433E-06	9.228E-08	2.939E-08	0.0001032
2455	497156.82, 3858964.83	0.04782	0.05264	0.0527	0.04779	0.04473	8.99E-05	4.618E-06	9.4854E-08	4.998E-08	9.46E-05	1.10E-04	5.66E-06	9.36E-08	2.80E-08	1.16E-04	9.71E-05	4.353E-06	9.091E-08	2.889E-08	0.0001016
2456	497256.82, 3858964.83	0.04821	0.05302	0.05316	0.04823	0.04518	9.06E-05	4.651E-06	9.5728E-08	5.048E-08	9.54E-05	1.11E-04	5.70E-06	9.45E-08	2.83E-08	1.17E-04	9.79E-05	4.385E-06	9.175E-08	2.918E-08	0.0001024
2457	496856.82, 3859064.83	0.05061	0.0563	0.05588	0.05021	0.04743	9.51E-05	4.939E-06	9.9658E-08	5.299E-08	1.00E-04	1.17E-04	6.05E-06	9.84E-08	2.97E-08	1.23E-04	1.03E-04	4.656E-06	9.551E-08	3.064E-08	0.0001075
2458	496956.82, 3859064.83	0.0498	0.0553	0.05497	0.04946	0.04665	9.36E-05	4.851E-06	9.8169E-08	5.212E-08	9.86E-05	1.15E-04	5.94E-06	9.69E-08	2.92E-08	1.21E-04	1.01E-04	4.573E-06	9.409E-08	3.013E-08	0.0001058
2459	497056.82, 3859064.83	0.04914	0.05449	0.05423	0.04887	0.04603	9.23E-05	4.78E-06	9.6998E-08	5.143E-08	9.73E-05	1.13E-04	5.86E-06	9.57E-08	2.88E-08	1.19E-04	9.98E-05	4.506E-06	9.296E-08	2.973E-08	0.0001044
2460	497156.82, 3859064.83	0.04857	0.05379	0.0536	0.04836	0.0455	9.13E-05	4.719E-06	9.5986E-08	5.084E-08	9.61E-05	1.12E-04	5.78E-06	9.47E-08	2.85E-08	1.18E-04	9.86E-05	4.448E-06	9.199E-08	2.939E-08	0.0001032
2461	497256.82, 3859064.83	0.04934	0.05463	0.05447	0.04915	0.04635	9.27E-05	4.793E-06	9.7554E-08	5.179E-08	9.77E-05	1.14E-04	5.87E-06	9.63E-08	2.90E-08	1.20E-04	1.00E-04	4.518E-06	9.35E-08	2.994E-08	0.0001048
2462	496856.82, 3859164.83	0.05027	0.0561	0.0555	0.04969	0.04719	9.45E-05	4.921E-06	9.8625E-08	5.273E-08	9.95E-05	1.16E-04	6.03E-06	9.73E-08	2.95E-08	1.22E-04	1.02E-04	4.639E-06	9.452E-08	3.048E-08	0.0001068
2463	496956.82, 3859164.83	0.04941	0.05505	0.05453	0.04891	0.04634	9.29E-05	4.829E-06	9.7077E-08	5.178E-08	9.78E-05	1.14E-04	5.92E-06	9.58E-08	2.90E-08	1.20E-04	1.00E-04	4.553E-06	9.304E-08	2.993E-08	0.000105
2464	497056.82, 3859164.83	0.04908	0.05462	0.05417	0.04863	0.04605	9.22E-05	4.792E-06	9.6522E-08	5.145E-08	9.72E-05	1.13E-04	5.87E-06	9.53E-08	2.88E-08	1.19E-04	9.97E-05	4.517E-06	9.251E-08	2.975E-08	0.0001043
2465	497156.82, 3859164.83	0.04933	0.05487	0.05446	0.04892	0.04639	9.27E-05	4.814E-06	9.7097E-08	5.183E-08	9.77E-05	1.14E-04	5.90E-06	9.58E-08	2.90E-08	1.20E-04	1.00E-04	4.538E-06	9.306E-08	2.997E-08	0.0001048
2466	497256.82, 3859164.83	0.05028	0.05591	0.05552	0.04985	0.04754	9.45E-05	4.905E-06	9.8943E-08	5.312E-08	9.95E-05	1.16E-04	6.01E-06	9.77E-08	2.97E-08	1.22E-04	1.02E-04	4.624E-06	9.483E-08	3.071E-08	0.0001068
2467	496856.82, 3859264.83	0.04956	0.05552	0.05468	0.04882	0.04659	9.31E-05	4.871E-06	9.6899E-08	5.206E-08	9.82E-05	1.14E-04	5.97E-06	9.56E-08	2.91E-08	1.20E-04	1.01E-04	4.591E-06	9.287E-08	3.01E-08	0.0001053
2468	496956.82, 3859264.83	0.04944	0.05532	0.05455	0.04875	0.04654	9.29E-05	4.853E-06	9.676E-08	5.2E-08	9.79E-05	1.14E-04	5.95E-06	9.55E-08	2.91E-08	1.20E-04	1.00E-04	4.575E-06	9.273E-08	3.006E-08	0.0001051
2469	497056.82, 3859264.83	0.04975	0.05562	0.0549	0.04908	0.04698	9.35E-05	4.879E-06	9.7415E-08	5.249E-08	9.85E-05	1.15E-04	5.98E-06	9.61E-08	2.94E-08	1.21E-04	1.01E-04	4.6E-06	9.336E-08	3.035E-08	0.0001057
2470	497156.82, 3859264.83	0.04995	0.05579	0.05512	0.0493	0.04738	9.39E-05	4.894E-06	9.7851E-08	5.294E-08	9.89E-05	1.15E-04	6.00E-06	9.66E-08	2.96E-08	1.21E-04	1.01E-04	4.614E-06	9.378E-08	3.061E-08	0.0001062
2471	497256.82, 3859264.83	0.05065	0.05654	0.05588	0.04997	0.04836	9.52E-05	4.96E-06	9.9181E-08	5.403E-08	1.00E-04	1.17E-04	6.08E-06	9.79E-08	3.02E-08	1.23E-04	1.03E-04	4.676E-06	9.506E-08	3.124E-08	0.0001076
2472	497088.92, 3858620.93	0.04524	0.04813	0.04964	0.0458	0.04292	8.50E-05	4.222E-06	9.0905E-08	4.796E-08	8.94E-05	1.04E-04	5.17E-06	8.97E-08	2.68E-08	1.09E-04	9.19E-05	3.98E-06	8.712E-08	2.772E-08	9.595E-05
2473	497138.92, 3858620.93	0.04518	0.04803	0.04958	0.04576	0.04285	8.49E-05	4.214E-06	9.0825E-08	4.788E-08	8.93E-05	1.04E-04	5.16E-06	8.96E-08	2.68E-08	1.09E-04	9.17E-05	3.972E-06	8.705E-08	2.768E-08	9.582E-05
2474	497188.92, 3858620.93	0.04481	0.04758	0.04914	0.04523	0.04248	8.42E-05	4.174E-06	8.9773E-08	4.746E-08	8.85E-05	1.03E-04	5.11E-06	8.86E-08	2.66E-08	1.08E-04	9.10E-05	3.935E-06	8.604E-08	2.744E-08	9.503E-05
2475	497238.92, 3858620.93	0.04459	0.0473	0.04889	0.04503	0.04226	8.38E-05	4.149E-06	8.9376E-08	4.722E-08	8.81E-05	1.03E-04	5.08E-06	8.82E-08	2.64E-08	1.08E-04	9.05E-05	3.912E-06	8.566E-08	2.73E-08	9.456E-05
2476	497088.92, 3858670.93	0.04522	0.04831	0.04959	0.04555	0.04279	8.50E-05	4.238E-06	9.0408E-08	4.781E-08	8.94E-05	1.04E-04	5.19E-06	8.92E-08	2.68E-08	1.09E-04	9.18E-05	3.995E-06	8.665E-08	2.764E-08	9.592E-05

2477 497138.92, 3858670.93	0.04541	0.04847	0.04982	0.04577	0.04293	8.53E-05	4.252E-06	9.0845E-08	4.797E-08	8.97E-05	1.05E-04	5.21E-06	8.97E-08	2.69E-08	1.10E-04	9.22E-05	4.008E-06	8.707E-08	2.773E-08	9.632E-05
2478 497188.92, 3858670.93	0.04501	0.04799	0.04937	0.04539	0.04257	8.46E-05	4.21E-06	9.0091E-08	4.756E-08	8.89E-05	1.04E-04	5.16E-06	8.89E-08	2.66E-08	1.09E-04	9.14E-05	3.969E-06	8.634E-08	2.75E-08	9.547E-05
2479 497238.92, 3858670.93	0.04493	0.04787	0.0493	0.04534	0.04249	8.44E-05	4.199E-06	8.9992E-08	4.747E-08	8.88E-05	1.03E-04	5.15E-06	8.88E-08	2.66E-08	1.09E-04	9.12E-05	3.959E-06	8.625E-08	2.745E-08	9.53E-05
2480 497088.92, 3858720.93	0.04617	0.04964	0.05069	0.04647	0.04352	8.68E-05	4.355E-06	9.2234E-08	4.863E-08	9.13E-05	1.06E-04	5.34E-06	9.10E-08	2.72E-08	1.12E-04	9.37E-05	4.105E-06	8.84E-08	2.811E-08	9.796E-05
2481 497138.92, 3858720.93	0.04508	0.04835	0.04946	0.04538	0.04257	8.47E-05	4.242E-06	9.0071E-08	4.756E-08	8.91E-05	1.04E-04	5.20E-06	8.89E-08	2.66E-08	1.09E-04	9.15E-05	3.998E-06	8.632E-08	2.75E-08	9.564E-05
2482 497188.92, 3858720.93	0.04484	0.04804	0.04919	0.04516	0.04235	8.43E-05	4.214E-06	8.9634E-08	4.732E-08	8.86E-05	1.03E-04	5.16E-06	8.85E-08	2.65E-08	1.09E-04	9.10E-05	3.973E-06	8.591E-08	2.736E-08	9.513E-05
2483 497238.92, 3858720.93	0.0454	0.04864	0.04984	0.04577	0.04281	8.53E-05	4.267E-06	9.0845E-08	4.783E-08	8.97E-05	1.05E-04	5.23E-06	8.97E-08	2.68E-08	1.10E-04	9.22E-05	4.022E-06	8.707E-08	2.765E-08	9.632E-05
2484 497088.92, 3858770.93	0.04639	0.05016	0.05096	0.04662	0.04363	8.72E-05	4.4E-06	9.2532E-08	4.875E-08	9.17E-05	1.07E-04	5.39E-06	9.13E-08	2.73E-08	1.12E-04	9.42E-05	4.148E-06	8.868E-08	2.818E-08	9.845E-05
2485 497138.92, 3858770.93	0.04593	0.04958	0.05044	0.04618	0.04322	8.63E-05	4.349E-06	9.1659E-08	4.829E-08	9.08E-05	1.06E-04	5.33E-06	9.05E-08	2.70E-08	1.11E-04	9.33E-05	4.1E-06	8.785E-08	2.792E-08	9.747E-05
2486 497188.92, 3858770.93	0.04563	0.04922	0.05015	0.04604	0.04295	8.57E-05	4.318E-06	9.1381E-08	4.799E-08	9.02E-05	1.05E-04	5.29E-06	9.02E-08	2.69E-08	1.10E-04	9.26E-05	4.07E-06	8.758E-08	2.774E-08	9.683E-05
2487 497238.92, 3858770.93	0.04588	0.04943	0.05041	0.0462	0.04316	8.62E-05	4.336E-06	9.1698E-08	4.822E-08	9.07E-05	1.06E-04	5.31E-06	9.05E-08	2.70E-08	1.11E-04	9.32E-05	4.088E-06	8.788E-08	2.788E-08	9.736E-05
2488 497396.65, 3858622.63	0.04632	0.04912	0.05091	0.04691	0.0437	8.70E-05	4.309E-06	9.3108E-08	4.883E-08	9.15E-05	1.07E-04	5.28E-06	9.19E-08	2.73E-08	1.12E-04	9.40E-05	4.062E-06	8.923E-08	2.823E-08	9.823E-05
2489 497496.65, 3858622.63	0.04725	0.05009	0.05199	0.04792	0.04451	8.88E-05	4.394E-06	9.5112E-08	4.973E-08	9.33E-05	1.09E-04	5.38E-06	9.39E-08	2.78E-08	1.14E-04	9.59E-05	4.142E-06	9.116E-08	2.875E-08	0.0001002
2490 497596.65, 3858622.63	0.04902	0.05203	0.05407	0.04985	0.04611	9.21E-05	4.564E-06	9.8943E-08	5.152E-08	9.68E-05	1.13E-04	5.59E-06	9.77E-08	2.88E-08	1.19E-04	9.95E-05	4.303E-06	9.483E-08	2.979E-08	0.000104
2491 497696.65, 3858622.63	0.04942	0.05243	0.05451	0.05022	0.04657	9.29E-05	4.6E-06	9.9677E-08	5.203E-08	9.76E-05	1.14E-04	5.64E-06	9.84E-08	2.91E-08	1.20E-04	1.00E-04	4.336E-06	9.553E-08	3.008E-08	0.0001048
2492 497796.65, 3858622.63	0.05042	0.05352	0.05566	0.05125	0.04762	9.47E-05	4.695E-06	1.0172E-07	5.321E-08	9.96E-05	1.16E-04	5.75E-06	1.00E-07	2.98E-08	1.22E-04	1.02E-04	4.426E-06	9.749E-08	3.076E-08	0.0001069
2493 497896.65, 3858622.63	0.0514	0.0546	0.05677	0.05224	0.04869	9.66E-05	4.79E-06	1.0369E-07	5.44E-08	1.02E-04	1.18E-04	5.87E-06	1.02E-07	3.05E-08	1.24E-04	1.04E-04	4.515E-06	9.937E-08	3.145E-08	0.000109
2494 497396.65, 3858722.63	0.04741	0.05076	0.05218	0.04793	0.0446	8.91E-05	4.453E-06	9.5132E-08	4.983E-08	9.37E-05	1.09E-04	5.46E-06	9.39E-08	2.79E-08	1.15E-04	9.63E-05	4.198E-06	9.117E-08	2.881E-08	0.0001006
2495 497496.65, 3858722.63	0.04832	0.0517	0.05324	0.04891	0.04545	9.08E-05	4.535E-06	9.7077E-08	5.078E-08	9.55E-05	1.11E-04	5.56E-06	9.58E-08	2.84E-08	1.17E-04	9.81E-05	4.276E-06	9.304E-08	2.936E-08	0.0001025
2496 497596.65, 3858722.63	0.04989	0.0534	0.05506	0.05054	0.04704	9.38E-05	4.685E-06	1.0031E-07	5.256E-08	9.86E-05	1.15E-04	5.74E-06	9.90E-08	2.94E-08	1.21E-04	1.01E-04	4.416E-06	9.614E-08	3.039E-08	0.0001058
2497 497696.65, 3858722.63	0.05071	0.05425	0.05599	0.0514	0.04793	9.53E-05	4.759E-06	1.0202E-07	5.355E-08	1.00E-04	1.17E-04	5.83E-06	1.01E-07	3.00E-08	1.23E-04	1.03E-04	4.486E-06	9.778E-08	3.096E-08	0.0001076
2498 497796.65, 3858722.63	0.05107	0.0546	0.05641	0.05179	0.04839	9.60E-05	4.79E-06	1.0279E-07	5.407E-08	1.01E-04	1.18E-04	5.87E-06	1.01E-07	3.03E-08	1.24E-04	1.04E-04	4.515E-06	9.852E-08	3.126E-08	0.0001083
2499 497896.65, 3858722.63	0.05168	0.05523	0.05709	0.0524	0.04914	9.71E-05	4.845E-06	1.04E-07	5.49E-08	1.02E-04	1.19E-04	5.94E-06	1.03E-07	3.07E-08	1.25E-04	1.05E-04	4.567E-06	9.968E-08	3.174E-08	0.0001096
2500 497396.65, 3858822.63	0.04799	0.05195	0.05288	0.04835	0.04504	9.02E-05	4.557E-06	9.5966E-08	5.032E-08	9.49E-05	1.11E-04	5.58E-06	9.47E-08	2.82E-08	1.16E-04	9.74E-05	4.296E-06	9.197E-08	2.909E-08	0.0001019
2501 497496.65, 3858822.63	0.04873	0.05271	0.05374	0.04916	0.04582	9.16E-05	4.624E-06	9.7574E-08	5.12E-08	9.63E-05	1.12E-04	5.67E-06	9.63E-08	2.87E-08	1.18E-04	9.89E-05	4.359E-06	9.351E-08	2.96E-08	0.0001034
2502 497596.65, 3858822.63	0.05055	0.05473	0.05588	0.05114	0.04774	9.50E-05	4.801E-06	1.015E-07	5.334E-08	9.99E-05	1.16E-04	5.88E-06	1.00E-07	2.99E-08	1.22E-04	1.03E-04	4.526E-06	9.728E-08	3.084E-08	0.0001073
2503 497696.65, 3858822.63	0.05106	0.05518	0.0564	0.05155	0.04838	9.60E-05	4.841E-06	1.0232E-07	5.406E-08	1.01E-04	1.18E-04	5.93E-06	1.01E-07	3.03E-08	1.24E-04	1.04E-04	4.563E-06	9.806E-08	3.125E-08	0.0001084
2504 497796.65, 3858822.63	0.05143	0.05555	0.05686	0.05201	0.04885	9.66E-05	4.873E-06	1.0323E-07	5.458E-08	1.02E-04	1.18E-04	5.97E-06	1.02E-07	3.06E-08	1.25E-04	1.04E-04	4.594E-06	9.894E-08	3.156E-08	0.0001091
2505 497896.65, 3858822.63	0.05244	0.0566	0.05793	0.05295	0.05032	9.85E-05	4.965E-06	1.051E-07	5.622E-08	1.04E-04	1.21E-04	6.08E-06	1.04E-07	3.15E-08	1.27E-04	1.06E-04	4.681E-06	1.007E-07	3.251E-08	0.0001113
2506 497396.65, 3858922.63	0.04862	0.0532	0.05363	0.04879	0.04564	9.14E-05	4.667E-06	9.6839E-08	5.099E-08	9.62E-05	1.12E-04	5.72E-06	9.56E-08	2.85E-08	1.18E-04	9.87E-05	4.4E-06	9.281E-08	2.948E-08	0.0001032
2507 497496.65, 3858922.63	0.05013	0.05486	0.05536	0.05033	0.04726	9.42E-05	4.813E-06	9.9896E-08	5.28E-08	9.92E-05	1.15E-04	5.90E-06	9.86E-08	2.96E-08	1.21E-04	1.02E-04	4.537E-06	9.574E-08	3.053E-08	0.0001064
2508 497596.65, 3858922.63	0.05001	0.05464	0.05523	0.05026	0.04722	9.40E-05	4.793E-06	9.9757E-08	5.276E-08	9.89E-05	1.15E-04	5.87E-06	9.85E-08	2.95E-08	1.21E-04	1.02E-04	4.519E-06	9.561E-08	3.05E-08	0.0001062
2509 497696.65, 3858922.63	0.05167	0.05648	0.05713	0.052	0.04928	9.71E-05	4.955E-06	1.0321E-07	5.506E-08	1.02E-04	1.19E-04	6.07E-06	1.02E-07	3.08E-08	1.25E-04	1.05E-04	4.671E-06	9.892E-08	3.183E-08	0.0001097
2510 497796.65, 3858922.63	0.05238	0.05717	0.05785	0.0526	0.05032	9.84E-05	5.015E-06	1.044E-07	5.622E-08	1.04E-04	1.21E-04	6.15E-06	1.03E-07	3.15E-08	1.27E-04	1.06E-04	4.728E-06	1.001E-07	3.251E-08	0.0001112
2511 497896.65, 3858922.63	0.05362	0.05852	0.05922	0.05383	0.0522	1.01E-04	5.134E-06	1.0684E-07	5.832E-08	1.06E-04	1.23E-04	6.29E-06	1.05E-07	3.26E-08	1.30E-04	1.09E-04	4.84E-06	1.024E-07	3.372E-08	0.0001138
2512 497364.44, 3858201.52	0.04431	0.04723	0.04854	0.04492	0.04229	8.33E-05	4.143E-06	8.9158E-08	4.725E-08	8.75E-05	1.02E-04	5.08E-06	8.80E-08	2.64E-08	1.07E-04	9.00E-05	3.906E-06	8.545E-08	2.732E-08	9.398E-05
2513 497414.44, 3858201.52	0.04481	0.04782	0.04914	0.04563	0.04271	8.42E-05	4.195E-06	9.0567E-08	4.772E-08	8.85E-05	1.03E-04	5.14E-06	8.94E-08	2.67E-08	1.08E-04	9.10E-05	3.955E-06	8.68E-08	2.759E-08	9.505E-05
2514 497464.44, 3858201.52	0.04523	0.04832	0.04963	0.04608	0.04302	8.50E-05	4.239E-06	9.146E-08	4.807E-08	8.94E-05	1.04E-04	5.19E-06	9.03E-08	2.69E-08	1.09E-04	9.18E-05	3.996E-06	8.766E-08	2.779E-08	9.595E-05
2515 497514.44, 3858201.52	0.04538	0.04849	0.04976	0.04606	0.04303	8.53E-05	4.254E-06	9.1421E-08	4.808E-08	8.97E-05	1.05E-04	5.21E-06	9.02E-08	2.69E-08	1.10E-04	9.21E-05	4.01E-06	8.762E-08	2.78E-08	9.626E-05
2516 497564.44, 3858201.52	0.04519	0.04831	0.04955	0.04587	0.04283	8.49E-05	4.238E-06	9.1043E-08	4.785E-08	8.93E-05	1.04E-04	5.19E-06	8.99E-08	2.68E-08	1.09E-04	9.18E-05	3.995E-06	8.726E-08	2.767E-08	9.586E-05
2517 497614.44, 3858201.52	0.04528	0.04845	0.04966	0.04598	0.04289	8.51E-05	4.25E-06	9.1262E-08	4.792E-08	8.95E-05	1.04E-04	5.21E-06	9.01E-08	2.68E-08	1.10E-04	9.19E-05	4.007E-06	8.747E-08	2.771E-08	9.606E-05
2518 497364.44, 3858251.52	0.04504	0.04786	0.04937	0.04568	0.04286	8.46E-05	4.199E-06	9.0666E-08	4.789E-08	8.90E-05	1.04E-04	5.15E-06	8.95E-08	2.68E-08	1.09E-04	9.14E-05	3.958E-06	8.689E-08	2.769E-08	9.552E-05
2519 497414.44, 3858251.52	0.04569	0.0486	0.05011	0.04636	0.04338	8.59E-05	4.264E-06	9.2016E-08	4.847E-08	9.03E-05	1.05E-04	5.22E-06	9.08E-08	2.71E-08	1.11E-04	9.28E-05	4.019E-06	8.819E-08	2.802E-08	9.69E-05
2520 497464.44, 3858251.52	0.04531	0.04821	0.04969	0.04598	0.04302	8.51E-05	4.229E-06	9.1262E-08	4.807E-08	8.95E-05	1.04E-04	5.18E-06	9.01E-08	2.69E-08	1.10E-04	9.20E-05	3.987E-06	8.747E-08	2.779E-08	9.61E-05
2521 497514.44, 3858251.52	0.04484	0.04772	0.04916	0.04551	0.04256	8.43E-05	4.186E-06	9.0329E-08	4.755E-08	8.86E-05	1.03E-04	5.13E-06	8.92E-08	2.66E-08	1.09E-04	9.10E-05	3.946E-06	8.657E-08	2.749E-08	9.51E-05
2522 497564.44, 3858251.52	0.0447	0.04759	0.049	0.04537	0.0424	8.40E-05	4.175E-06	9.0051E-08	4.737E-08	8.83E-05	1.03E-04	5.12E-06	8.89E-08	2.65E-08	1.08E-04	9.08E-05	3.936E-06	8.631E-08	2.739E-08	9.481E-05
2523 497614.44, 3858251.52	0.04456	0.04746	0.04885	0.04523	0.04225	8.37E-05	4.164E-06	8.9773E-08	4.721E-08	8.80E-05	1.03E-04	5.10E-06	8.86E-08	2.64E-08	1.08E-04	9.05E-05	3.925E-06	8.604E-08	2.729E-08	9.451E-05
2524 497364.44, 3858301.52	0.04518	0.04787	0.04954	0.04583	0.04292	8.49E-05	4.199E-06	9.0964E-08	4.796E-08	8.92E-05	1.04E-04	5.15E-06	8.98E-08	2.68E-08	1.09E-04	9.17E-05	3.959E-06	8.718E-08	2.772E-08	9.581E-05
2525 497414.44, 3858301.52	0.04555	0.04828	0.04995	0.04622	0.04326	8.56E-05	4.235E-06	9.1738E-08	4.834E-08	9.00E-05	1.05E-04	5.19E-06	9.05E-08	2.71E-08	1.10E-04	9.25E-05	3.993E-06	8.792E-08	2.794E-08	9.659E-05
2526 497464.44, 3858301.52	0.04506	0.04777	0.0494	0.04572	0.04278	8.47E-05	4.191E-06	9.0746E-08	4.78E-08	8.90E-05	1.04E-04	5.14E-06	8.96E-08	2.68E-08	1.09E-04	9.15E-05	3.951E-06	8.697E-08	2.763E-08	9.555E-05
2527 497514.44, 3858301.52	0.04473	0.04744	0.04903	0.04539	0.04247	8.41E-05	4.162E-06	9.0091E-08	4.745E-08	8.84E-05	1.03E-04	5.10E-06	8.89E-08	2.66E-08	1.08E-04	9.08E-05	3.923E-06	8.634E-08	2.743E-08	9.486E-05
2528 497564.44, 3858301.52	0.04423	0.04691	0.04847	0.04488	0.04199	8.31E-05	4.115E-06	8.9079E-08	4.692E-08	8.74E-05	1.02E-04	5.04E-06	8.79E-08	2.63E-08	1.07E-04	8.98E-05	3.879E-06	8.537E-08	2.712E-08	9.38E-05
2529 497614.44, 3858301.52	0.04407	0.04675	0.04828	0.04472	0.04181	8.28E-05	4.101E-06	8.8761E-08	4.671E-08	8.71E-05	1.01E-04	5.03E-06	8.76E-08	2.61E-08	1.07E-04	8.95E-05	3.866E-06	8.507E-08	2.701E-08	9.346E-05
2530 497364.44, 3858351.52	0.04539	0.04797	0.04977	0.04604	0.04314	8.53E-05	4.208E-06	9.1381E-08	4.82E-08	8.96E-05	1.05E-04	5.16E-06	9.02E-08	2.70E-08	1.10E-04	9.22E-05	3.967E-06	8.758E-08	2.787E-08	9.624E-05
2531 497414.44, 3858351.52	0.04508	0.04765	0.04942	0.04573	0.04284	8.47E-05	4.18E-06	9.0766E-08	4.787E-08	8.90E-05	1.04E-04	5.12E-06	8.96E-08	2.68E-08	1.09E-04	9.15E-05	3.941E-06	8.699E-08	2.767E-08	9.558E-05
2532 497464.44, 3858351.52	0.04496	0.04753	0.04929	0.04562	0.0427	8.45E-05	4.17E-06	9.0547E-08	4.771E-08	8.88E-05	1.04E-04	5.11E-06	8.94E-08	2.67E-08	1.09E-04	9.13E-05	3.931E-06	8.678E-08	2.758E-08	9.533E-05
2533 497514.44, 3858351.52	0.0447	0.04727	0.049	0.04536	0.04245	8.40E-05	4.147E-06	9.0031E-08	4.743E-08	8.83E-05	1.03E-04	5.08E-06	8.89E-08	2.65E-08	1.08E-04	9.08E-05	3.909E-06	8.629E-08	2.742E-08	9.478E-05
2534 497564.44, 3858351.52	0.04408	0.04661	0.04829	0.04472	0.04186	8.28E-05	4.089E-06	8.8761E-08	4.677E-08	8.71E-05	1.02E-04	5.01E-06	8.76E-08	2.62E-08	1.07E-04	8.95E-05	3.855E-06	8.507E-08	2.704E-08	9.347E-05
2535 497614.44, 3858351.52	0.04394	0.04647	0.04814	0.04459	0.04171	8.26E-05	4.077E-06	8.8503E-08	4.66E-08	8.68E-05	1.01E-04	5.00E-06	8.73E-08	2.61E-08	1.06E-04	8.92E-05	3.843E-06	8.482E-08	2.694E-08	9.317E-05
2536 497364.44, 3858401.52	0.0449	0.04738	0.04925	0.0457	0.04275	8.44E-05	4.156E-06	9.0706E-08	4.777E-08	8.87E-05	1.03E-04	5.09E-06	8.95E-08	2.67E-08	1.09E-04	9.12E-05	3.918E-06	8.693E-08	2.762E-08	9.52E-05
2537 497414.44, 3858401.52	0.04484	0.04731	0.04915	0.04548	0.04261	8.43E-05	4.15E-06	9.0269E-08	4.761E-08	8.86E-05	1.03E-04	5.09E-06	8.91E-08	2.67E-08	1.08E-04	9.10E-05	3.912E-06	8.651E-08	2.752E-08	9.507E-05
2538 497464.44, 3858401.52	0.0445	0.04695	0.04877	0.04514	0.04229	8.36E-05	4.119E-06	8.9595E-08	4.725E-08	8.79E-05	1.02E-04	5.05E-06	8.84E-08	2.64E-08	1.08E-04	9.04E-05	3.883E-06	8.587E-08	2.732E-08	9.435E-05
2539 497514.44, 3858401.52	0.04432	0.04676	0.04857	0.04497	0.0421	8.33E-05	4.102E-06	8.9257E-08	4.704E-08	8.75E-05	1.02E-04	5.03E-06	8.81E-08	2.63E-08	1.07E-04	9.00E-05	3.867E-06	8.554E-08	2.72E-08	9.397E-05
2540 497564.44, 3858401.52	0.04478	0.04728	0.0491	0.04546	0.04246	8.42E-05	4.148E-06	9.023E-08	4.744E-08	8.84E-05	1.03E-04	5.08E-06	8.91E-08	2.66E-08	1.08E-04	9.09E-05	3.91E-06	8.648E-08	2.743E-08	9.494E-05
2541 497614.44, 3858401.52	0.04524	0.04782	0.04973	0.04612	0.04285	8.50E-05	4.195E-06	9.154E-08	4.788E-08	8.93E-05	1.04E-04	5.14E-06	9.03E-08	2.68E-08	1.09E-04	9.19E-05	3.955E-06	8.773E-08	2.768E-08	9.592E-05
2542 493478.11, 3860497.94	0.05245	0.05566	0.05354	0.04606	0.06357	9.86E-05	4.883E-06	9.1421E-08	7.103E-08	1.04E-04	1.21E-04	5.98E-06	9.02E-08	3.98E-08	1.27E-04	1.06E-04	4.603E-06	8.762E-08	4.106E-08	0.0001112
2543 493528.11, 3860497.94	0.05239	0.0556	0.05354	0.04612	0.06354	9.85E-05	4.878E-06	9.154E-08	7.099E-08	1.03E-04	1.21E-04	5.98E-06	9.03E-08	3.97E-08	1.27E-04	1.06E-04	4.598E-06	8.773E-08	4.104E-08	0.0001111
2544 493478.11, 3860547.94	0.05113	0.05426	0.05212	0.04482	0.06208	9.61E-05	4.76E-06	8.8959E-08	6.936E-08	1.01E-04	1.18E-04	5.83E-06	8.78E-08	3.88E-08	1.24E-04	1.04E-04	4.487E-06	8.526E-08	4.01E-08	0.0001084
2545 493528.11, 3860547.94	0.05106	0.05419	0.05212	0.04488	0.06207	9.60E-05	4.754E-06	8.9079E-08	6.935E-08	1.01E-04	1.18E-04	5.83E-06	8.79E-08	3.88E-08	1.24E-04	1.04E-04	4.481E-06	8.537E-08	4.01E-08	0.0001083
2546 493478.11, 3860597.94	0.04985	0.05289	0.05075	0.04361	0.06057	9.37E-05	4.64E-06	8.6558E-08	6.768E-08	9.85E-05	1.15E-04	5.69E-06	8.54E-08	3.79E-08	1.21E-04	1.01E-04	4.374E-06	8.296E-08	3.913E-08	0.0001057
2547 493528.11, 3860597.94	0.0498	0.05284	0.05076	0.04369	0.06059	9.36E-05	4.635E-06	8.6717E-08	6.77E-08	9.84E-05	1.15E-04	5.68E-06	8.56E-08	3.79E-08	1.20E-04	1.01E-04	4.37E-06	8.311E-08	3.914E-08	0.0001056
2548 493561.88, 3860524.64	0.05166	0.05482	0.0528	0.04552	0.06274	9.71E-05	4.809E-06	9.0349E-08	7.01E-08	1.02E-04	1.19E-04	5.89E-06	8.92E-08	3.92E-08	1.25E-04	1.05E-04	4.534E-06	8.659E-08	4.053E-08	0.0001096
2549 493591.88, 3860524.64	0.05167	0.05485	0.05287	0.04559	0.06272	9.71E-05	4.812E-06	9.0488E-08	7.008E-08	1.02E-04	1.19E-04	5.90E-06	8.93E-08	3.92E-08	1.25E-04	1.05E-04	4.536E-06	8.672E-08	4.052E-08	0.0001096
2550 493561.88, 3860554.64	0.05087	0.05399	0.05196	0.04478	0.06186	9.56E-05	4.736E-06	8.888E-08	6.912E-08	1.00E-04	1.17E-04	5.80E-06	8.77E-08	3.87E-08	1.23E-04	1.03E-04	4.465E-06	8.518E-08	3.996E-08	0.0001079
2551 493591.88, 3860554.64	0.05091	0.05406	0.05206	0.04489	0.06187	9.57E-05	4.743E-06	8.9098E-08	6.913E-08	1.01E-04	1.17E-04	5.81E-06	8.79E-08	3.87E-08	1.23E-04	1.03E-04	4.471E-06	8.539E-08	3.997E-08	0.000108
2552 492880.5, 3860293.11	0.05826	0.06134	0.05837	0.04965	0.07032	1.09E-04	5.381E-06	9.8546E-08	7.857E-08	1.15E-04	1.34E-04	6.59E-06	9.73E-08	4.40E-08	1.41E-04	1.18E-04	5.073E-06	9.445E-08	4.542E-08	0.0001235
2553 492930.5, 3860293.11	0.05833	0.06152	0.05862	0.0499	0.07034	1.10E-04	5.397E-06	9.9042E-08	7.859E-08	1.15E-04	1.34E-04	6.61E-06	9.78E-08	4.40E-08	1.41E-04	1.18E-04	5.088E-06	9.492E-08	4.544E-08	0.0001237
2554 492980.5, 3860293.11	0.05841	0.0617	0.05888	0.05016	0.07033	1.10E-04	5.413E-06	9.9558E-08	7.858E-08	1.15E-04	1.35E-04	6.63E-06	9.83E-08	4.40E-08	1.41E-04	1.19E-04	5.103E-06	9.542E-08	4.543E-08	0.0001238
2555 493030.5, 3860293.11	0.05873	0.06222	0.05947	0.05065	0.07005	1.10E-04	5.458E-06	1.0053E-07	7.827E-08	1.16E-04	1.35E-04	6.69E-06	9.92E-08	4.38E-08	1.42E-04	1.19E-04	5.146E-06	9.635E-08	4.525E-08	0.0001245
2556 493080.5, 3860293.11	0.05894	0.0627	0.06005	0.05111	0.06956	1.11E-04	5.5E-06	1.0144E-07	7.772E-08	1.16E-04	1.36E-04	6.74E-06	1.00E-07	4.35E-08	1.43E-04	1.20E-04	5.185E-06	9.722E-08	4.493E-08	0.000125

2557 493130.5, 3860293.11	0.05875	0.06234	0.05976	0.051	0.06984	1.10E-04	5.469E-06	1.0123E-07	7.803E-08	1.16E-04	1.35E-04	6.70E-06	9.99E-08	4.37E-08	1.42E-04	1.19E-04	5.155E-06	9.701E-08	4.511E-08	0.0001246
2558 493180.5, 3860293.11	0.05854	0.062	0.0595	0.05089	0.06996	1.10E-04	5.439E-06	1.0101E-07	7.817E-08	1.16E-04	1.35E-04	6.67E-06	9.97E-08	4.38E-08	1.42E-04	1.19E-04	5.127E-06	9.681E-08	4.519E-08	0.0001241
2559 493230.5, 3860293.11	0.05845	0.06188	0.05946	0.05092	0.06991	1.10E-04	5.429E-06	1.0107E-07	7.811E-08	1.15E-04	1.35E-04	6.65E-06	9.97E-08	4.37E-08	1.41E-04	1.19E-04	5.117E-06	9.686E-08	4.516E-08	0.0001239
2560 493280.5, 3860293.11	0.05853	0.06204	0.05971	0.05114	0.06967	1.10E-04	5.443E-06	1.015E-07	7.784E-08	1.16E-04	1.35E-04	6.67E-06	1.00E-07	4.36E-08	1.42E-04	1.19E-04	5.131E-06	9.728E-08	4.5E-08	0.0001241
2561 493330.5, 3860293.11	0.05851	0.06205	0.05979	0.05125	0.06948	1.10E-04	5.443E-06	1.0172E-07	7.763E-08	1.16E-04	1.35E-04	6.67E-06	1.00E-07	4.35E-08	1.42E-04	1.19E-04	5.131E-06	9.749E-08	4.488E-08	0.0001241
2562 493380.5, 3860293.11	0.05845	0.06199	0.05981	0.0513	0.06932	1.10E-04	5.438E-06	1.0182E-07	7.745E-08	1.15E-04	1.35E-04	6.66E-06	1.00E-07	4.34E-08	1.41E-04	1.19E-04	5.126E-06	9.759E-08	4.478E-08	0.0001239
2563 492880.5, 3860343.11	0.05662	0.05953	0.05661	0.04813	0.06842	1.06E-04	5.222E-06	9.5529E-08	7.645E-08	1.12E-04	1.30E-04	6.40E-06	9.43E-08	4.28E-08	1.37E-04	1.15E-04	4.923E-06	9.156E-08	4.42E-08	0.00012
2564 492930.5, 3860343.11	0.05669	0.0597	0.05683	0.04837	0.0685	1.07E-04	5.237E-06	9.6006E-08	7.654E-08	1.12E-04	1.31E-04	6.42E-06	9.48E-08	4.28E-08	1.37E-04	1.15E-04	4.937E-06	9.201E-08	4.425E-08	0.0001202
2565 492980.5, 3860343.11	0.05706	0.06036	0.05753	0.04895	0.06852	1.07E-04	5.295E-06	9.7157E-08	7.656E-08	1.13E-04	1.31E-04	6.49E-06	9.59E-08	4.29E-08	1.38E-04	1.16E-04	4.992E-06	9.312E-08	4.426E-08	0.000121
2566 493030.5, 3860343.11	0.05707	0.06042	0.05767	0.04912	0.06854	1.07E-04	5.3E-06	9.7494E-08	7.658E-08	1.13E-04	1.31E-04	6.50E-06	9.62E-08	4.29E-08	1.38E-04	1.16E-04	4.997E-06	9.344E-08	4.427E-08	0.000121
2567 493080.5, 3860343.11	0.05737	0.06092	0.05825	0.04959	0.06821	1.08E-04	5.344E-06	9.8427E-08	7.621E-08	1.13E-04	1.32E-04	6.55E-06	9.71E-08	4.27E-08	1.39E-04	1.16E-04	5.038E-06	9.433E-08	4.406E-08	0.0001217
2568 493130.5, 3860343.11	0.05728	0.0608	0.0582	0.04964	0.06827	1.08E-04	5.334E-06	9.8526E-08	7.628E-08	1.13E-04	1.32E-04	6.54E-06	9.72E-08	4.27E-08	1.39E-04	1.16E-04	5.028E-06	9.443E-08	4.41E-08	0.0001215
2569 493180.5, 3860343.11	0.05701	0.06042	0.0579	0.04951	0.06852	1.07E-04	5.3E-06	9.8268E-08	7.656E-08	1.13E-04	1.31E-04	6.50E-06	9.70E-08	4.29E-08	1.38E-04	1.16E-04	4.997E-06	9.418E-08	4.426E-08	0.0001209
2570 493230.5, 3860343.11	0.05695	0.06035	0.05792	0.04959	0.06848	1.07E-04	5.294E-06	9.8427E-08	7.651E-08	1.12E-04	1.31E-04	6.49E-06	9.71E-08	4.28E-08	1.38E-04	1.16E-04	4.991E-06	9.433E-08	4.424E-08	0.0001208
2571 493280.5, 3860343.11	0.05708	0.06054	0.05819	0.04984	0.06821	1.07E-04	5.311E-06	9.8923E-08	7.621E-08	1.13E-04	1.31E-04	6.51E-06	9.76E-08	4.27E-08	1.38E-04	1.16E-04	5.007E-06	9.481E-08	4.406E-08	0.000121
2572 493330.5, 3860343.11	0.0571	0.06062	0.05835	0.05	0.06805	1.07E-04	5.318E-06	9.9241E-08	7.603E-08	1.13E-04	1.31E-04	6.52E-06	9.79E-08	4.26E-08	1.38E-04	1.16E-04	5.013E-06	9.511E-08	4.396E-08	0.0001211
2573 493380.5, 3860343.11	0.05706	0.06057	0.05837	0.05007	0.06794	1.07E-04	5.314E-06	9.938E-08	7.591E-08	1.13E-04	1.31E-04	6.51E-06	9.81E-08	4.25E-08	1.38E-04	1.16E-04	5.009E-06	9.525E-08	4.389E-08	0.000121
2574 492880.5, 3860393.11	0.05501	0.05773	0.05487	0.04666	0.06649	1.03E-04	5.064E-06	9.2611E-08	7.429E-08	1.09E-04	1.27E-04	6.21E-06	9.14E-08	4.16E-08	1.33E-04	1.12E-04	4.774E-06	8.876E-08	4.295E-08	0.0001166
2575 492930.5, 3860393.11	0.05516	0.05802	0.05519	0.04696	0.06664	1.04E-04	5.09E-06	9.3207E-08	7.446E-08	1.09E-04	1.27E-04	6.24E-06	9.20E-08	4.17E-08	1.33E-04	1.12E-04	4.798E-06	8.933E-08	4.305E-08	0.0001169
2576 492980.5, 3860393.11	0.05538	0.05842	0.05564	0.04735	0.06676	1.04E-04	5.125E-06	9.3981E-08	7.459E-08	1.09E-04	1.28E-04	6.28E-06	9.28E-08	4.18E-08	1.34E-04	1.12E-04	4.831E-06	9.007E-08	4.312E-08	0.0001174
2577 493030.5, 3860393.11	0.05551	0.05869	0.05596	0.04766	0.06681	1.04E-04	5.149E-06	9.4596E-08	7.465E-08	1.10E-04	1.28E-04	6.31E-06	9.34E-08	4.18E-08	1.34E-04	1.13E-04	4.854E-06	9.066E-08	4.316E-08	0.0001177
2578 493080.5, 3860393.11	0.05584	0.05923	0.05656	0.04815	0.06666	1.05E-04	5.196E-06	9.5569E-08	7.448E-08	1.10E-04	1.29E-04	6.37E-06	9.43E-08	4.17E-08	1.35E-04	1.13E-04	4.898E-06	9.159E-08	4.306E-08	0.0001184
2579 493130.5, 3860393.11	0.05569	0.05907	0.05647	0.04817	0.06685	1.05E-04	5.182E-06	9.5609E-08	7.469E-08	1.10E-04	1.28E-04	6.35E-06	9.44E-08	4.18E-08	1.35E-04	1.13E-04	4.885E-06	9.163E-08	4.318E-08	0.0001181
2580 493180.5, 3860393.11	0.05546	0.05877	0.05624	0.04808	0.0669	1.04E-04	5.156E-06	9.543E-08	7.475E-08	1.10E-04	1.28E-04	6.32E-06	9.42E-08	4.18E-08	1.34E-04	1.13E-04	4.86E-06	9.146E-08	4.322E-08	0.0001176
2581 493230.5, 3860393.11	0.05547	0.0588	0.05635	0.04823	0.06688	1.04E-04	5.158E-06	9.5728E-08	7.473E-08	1.10E-04	1.28E-04	6.32E-06	9.45E-08	4.18E-08	1.34E-04	1.13E-04	4.863E-06	9.175E-08	4.32E-08	0.0001176
2582 493280.5, 3860393.11	0.05562	0.05905	0.05667	0.04853	0.06683	1.05E-04	5.18E-06	9.6323E-08	7.467E-08	1.10E-04	1.28E-04	6.35E-06	9.51E-08	4.18E-08	1.35E-04	1.13E-04	4.883E-06	9.232E-08	4.317E-08	0.0001179
2583 493330.5, 3860393.11	0.05569	0.05916	0.05686	0.04872	0.06662	1.05E-04	5.19E-06	9.67E-08	7.444E-08	1.10E-04	1.28E-04	6.36E-06	9.54E-08	4.17E-08	1.35E-04	1.13E-04	4.892E-06	9.268E-08	4.303E-08	0.0001181
2584 493380.5, 3860393.11	0.05568	0.05915	0.05693	0.04883	0.06654	1.05E-04	5.189E-06	9.6919E-08	7.435E-08	1.10E-04	1.28E-04	6.36E-06	9.57E-08	4.16E-08	1.35E-04	1.13E-04	4.892E-06	9.289E-08	4.298E-08	0.0001181
2585 492880.5, 3860443.11	0.05352	0.05603	0.05325	0.04529	0.06458	1.01E-04	4.915E-06	8.9892E-08	7.216E-08	1.06E-04	1.23E-04	6.02E-06	8.87E-08	4.04E-08	1.29E-04	1.09E-04	4.634E-06	8.615E-08	4.172E-08	0.0001134
2586 492930.5, 3860443.11	0.05356	0.05619	0.05344	0.04548	0.06473	1.01E-04	4.929E-06	9.0269E-08	7.232E-08	1.06E-04	1.23E-04	6.04E-06	8.91E-08	4.05E-08	1.30E-04	1.09E-04	4.647E-06	8.651E-08	4.181E-08	0.0001135
2587 492980.5, 3860443.11	0.05375	0.05655	0.05382	0.04583	0.06491	1.01E-04	4.961E-06	9.0964E-08	7.252E-08	1.06E-04	1.24E-04	6.08E-06	8.98E-08	4.06E-08	1.30E-04	1.09E-04	4.677E-06	8.718E-08	4.193E-08	0.0001139
2588 493030.5, 3860443.11	0.05393	0.05689	0.0542	0.04616	0.06505	1.01E-04	4.991E-06	9.1619E-08	7.268E-08	1.07E-04	1.24E-04	6.12E-06	9.04E-08	4.07E-08	1.30E-04	1.09E-04	4.705E-06	8.781E-08	4.202E-08	0.0001143
2589 493080.5, 3860443.11	0.05399	0.05704	0.0544	0.04638	0.06514	1.01E-04	5.004E-06	9.2056E-08	7.278E-08	1.07E-04	1.24E-04	6.13E-06	9.09E-08	4.07E-08	1.31E-04	1.10E-04	4.717E-06	8.823E-08	4.208E-08	0.0001145
2590 493130.5, 3860443.11	0.05404	0.05718	0.0546	0.04659	0.0652	1.02E-04	5.016E-06	9.2473E-08	7.285E-08	1.07E-04	1.24E-04	6.15E-06	9.13E-08	4.08E-08	1.31E-04	1.10E-04	4.729E-06	8.863E-08	4.212E-08	0.0001146
2591 493180.5, 3860443.11	0.05388	0.05699	0.05447	0.04658	0.06524	1.01E-04	5E-06	9.2453E-08	7.289E-08	1.06E-04	1.24E-04	6.13E-06	9.12E-08	4.08E-08	1.30E-04	1.09E-04	4.713E-06	8.861E-08	4.214E-08	0.0001142
2592 493230.5, 3860443.11	0.05407	0.05732	0.05486	0.04693	0.06527	1.02E-04	5.029E-06	9.3147E-08	7.293E-08	1.07E-04	1.25E-04	6.16E-06	9.19E-08	4.08E-08	1.31E-04	1.10E-04	4.74E-06	8.927E-08	4.216E-08	0.0001147
2593 493280.5, 3860443.11	0.05415	0.05747	0.05508	0.04716	0.06527	1.02E-04	5.042E-06	9.3604E-08	7.293E-08	1.07E-04	1.25E-04	6.18E-06	9.24E-08	4.08E-08	1.31E-04	1.10E-04	4.753E-06	8.971E-08	4.216E-08	0.0001148
2594 493330.5, 3860443.11	0.05429	0.05771	0.05539	0.04744	0.06524	1.02E-04	5.063E-06	9.416E-08	7.289E-08	1.07E-04	1.25E-04	6.20E-06	9.29E-08	4.08E-08	1.31E-04	1.10E-04	4.773E-06	9.024E-08	4.214E-08	0.0001151
2595 493380.5, 3860443.11	0.05423	0.05764	0.0554	0.04751	0.06522	1.02E-04	5.057E-06	9.4299E-08	7.287E-08	1.07E-04	1.25E-04	6.20E-06	9.31E-08	4.08E-08	1.31E-04	1.10E-04	4.767E-06	9.038E-08	4.213E-08	0.000115
2596 493180.5, 3860493.11	0.05251	0.0555	0.05301	0.0453	0.06356	9.87E-05	4.869E-06	8.9912E-08	7.102E-08	1.04E-04	1.21E-04	5.97E-06	8.87E-08	3.98E-08	1.27E-04	1.07E-04	4.59E-06	8.617E-08	4.106E-08	0.0001113
2597 493230.5, 3860493.11	0.05263	0.05573	0.05328	0.04556	0.06365	9.89E-05	4.889E-06	9.0428E-08	7.112E-08	1.04E-04	1.21E-04	5.99E-06	8.92E-08	3.98E-08	1.27E-04	1.07E-04	4.609E-06	8.667E-08	4.112E-08	0.0001116
2598 493280.5, 3860493.11	0.05275	0.05595	0.05356	0.04583	0.0637	9.91E-05	4.908E-06	9.0964E-08	7.117E-08	1.04E-04	1.21E-04	6.01E-06	8.98E-08	3.98E-08	1.28E-04	1.07E-04	4.627E-06	8.718E-08	4.115E-08	0.0001119
2599 493330.5, 3860493.11	0.05281	0.05608	0.05375	0.04604	0.06372	9.92E-05	4.92E-06	9.1381E-08	7.12E-08	1.04E-04	1.22E-04	6.03E-06	9.02E-08	3.99E-08	1.28E-04	1.07E-04	4.638E-06	8.758E-08	4.116E-08	0.000112
2600 493380.5, 3860493.11	0.05276	0.05604	0.05377	0.04613	0.06373	9.91E-05	4.916E-06	9.156E-08	7.121E-08	1.04E-04	1.21E-04	6.02E-06	9.04E-08	3.99E-08	1.28E-04	1.07E-04	4.634E-06	8.775E-08	4.117E-08	0.0001119
2601 493330.5, 3860543.11	0.05144	0.05458	0.05225	0.04474	0.06216	9.67E-05	4.788E-06	8.8801E-08	6.945E-08	1.02E-04	1.18E-04	5.87E-06	8.76E-08	3.89E-08	1.24E-04	1.04E-04	4.514E-06	8.511E-08	4.015E-08	0.0001091
2602 493380.5, 3860543.11	0.0514	0.05455	0.05228	0.04483	0.0622	9.66E-05	4.785E-06	8.8979E-08	6.95E-08	1.02E-04	1.18E-04	5.86E-06	8.78E-08	3.89E-08	1.24E-04	1.04E-04	4.511E-06	8.528E-08	4.018E-08	0.000109
2603 494135.94, 3860876.85	0.04346	0.04627	0.04479	0.03892	0.05329	8.17E-05	4.059E-06	7.7249E-08	5.954E-08	8.59E-05	1.00E-04	4.97E-06	7.62E-08	3.33E-08	1.05E-04	8.82E-05	3.826E-06	7.404E-08	3.442E-08	9.218E-05
2604 494185.94, 3860876.85	0.04346	0.04627	0.04484	0.03901	0.0533	8.17E-05	4.059E-06	7.7428E-08	5.955E-08	8.59E-05	1.00E-04	4.97E-06	7.64E-08	3.33E-08	1.05E-04	8.82E-05	3.826E-06	7.421E-08	3.443E-08	9.218E-05
2605 494135.94, 3860926.85	0.04241	0.04514	0.04365	0.03791	0.05204	7.97E-05	3.96E-06	7.5244E-08	5.815E-08	8.38E-05	9.77E-05	4.85E-06	7.43E-08	3.25E-08	1.03E-04	8.61E-05	3.733E-06	7.211E-08	3.362E-08	8.995E-05
2606 494185.94, 3860926.85	0.04244	0.04518	0.04373	0.03802	0.05208	7.98E-05	3.963E-06	7.5463E-08	5.819E-08	8.39E-05	9.77E-05	4.86E-06	7.45E-08	3.26E-08	1.03E-04	8.62E-05	3.736E-06	7.232E-08	3.364E-08	9.001E-05
2607 494135.94, 3860976.85	0.04141	0.04405	0.04255	0.03693	0.05079	7.78E-05	3.864E-06	7.3299E-08	5.675E-08	8.18E-05	9.54E-05	4.74E-06	7.23E-08	3.18E-08	1.00E-04	8.41E-05	3.643E-06	7.025E-08	3.281E-08	8.782E-05
2608 494185.94, 3860976.85	0.04144	0.04411	0.04265	0.03706	0.05086	7.79E-05	3.87E-06	7.3557E-08	5.683E-08	8.19E-05	9.54E-05	4.74E-06	7.26E-08	3.18E-08	1.00E-04	8.41E-05	3.648E-06	7.05E-08	3.285E-08	8.789E-05
2609 494135.94, 3861026.85	0.0404	0.04293	0.04144	0.03595	0.04952	7.59E-05	3.766E-06	7.1354E-08	5.533E-08	7.98E-05	9.30E-05	4.62E-06	7.04E-08	3.10E-08	9.78E-05	8.20E-05	3.55E-06	6.839E-08	3.199E-08	8.568E-05
2610 494185.94, 3861026.85	0.04045	0.04302	0.04157	0.03609	0.04962	7.60E-05	3.774E-06	7.1632E-08	5.544E-08	7.99E-05	9.31E-05	4.62E-06	7.07E-08	3.10E-08	9.79E-05	8.21E-05	3.558E-06	6.865E-08	3.205E-08	8.579E-05
2611 494135.94, 3861076.85	0.03944	0.04184	0.04037	0.03501	0.04825	7.41E-05	3.67E-06	6.9488E-08	5.391E-08	7.79E-05	9.08E-05	4.50E-06	6.86E-08	3.02E-08	9.54E-05	8.01E-05	3.46E-06	6.66E-08	3.117E-08	8.364E-05
2612 494185.94, 3861076.85	0.03948	0.04194	0.0405	0.03514	0.04837	7.42E-05	3.679E-06	6.9746E-08	5.404E-08	7.80E-05	9.09E-05	4.51E-06	6.88E-08	3.03E-08	9.55E-05	8.02E-05	3.468E-06	6.685E-08	3.125E-08	8.373E-05
2613 490360.04, 3858710.04	0.21582	0.18479	0.16656	0.12731	0.22488	4.06E-04	1.621E-05	2.5269E-07	2.513E-07	4.22E-04	4.97E-04	1.99E-05	2.49E-07	1.41E-07	5.17E-04	4.38E-04	1.528E-05	2.422E-07	1.453E-07	0.0004539
2614 490410.04, 3858710.04	0.21189	0.18432	0.16652	0.12745	0.22226	3.98E-04	1.617E-05	2.5296E-07	2.483E-07	4.15E-04	4.88E-04	1.98E-05	2.50E-07	1.39E-07	5.08E-04	4.30E-04	1.524E-05	2.424E-07	1.436E-07	0.0004458
2615 490460.04, 3858710.04	0.20782	0.18417	0.16679	0.12771	0.21871	3.91E-04	1.616E-05	2.5348E-07	2.444E-07	4.07E-04	4.79E-04	1.98E-05	2.50E-07	1.37E-07	4.99E-04	4.22E-04	1.523E-05	2.429E-07	1.413E-07	0.0004376
2616 490510.04, 3858710.04	0.20417	0.1835	0.16653	0.12766	0.216	3.84E-04	1.61E-05	2.5338E-07	2.413E-07	4.00E-04	4.70E-04	1.97E-05	2.50E-07	1.35E-07	4.90E-04	4.15E-04	1.518E-05	2.428E-07	1.395E-07	0.0004301
2617 490560.04, 3858710.04	0.20078	0.18268	0.16609	0.12749	0.21356	3.77E-04	1.603E-05	2.5304E-07	2.386E-07	3.94E-04	4.62E-04	1.96E-05	2.50E-07	1.34E-07	4.82E-04	4.08E-04	1.511E-05	2.425E-07	1.38E-07	0.0004231
2618 490610.04, 3858710.04	0.19747	0.18188	0.16564	0.12729	0.21095	3.71E-04	1.596E-05	2.5265E-07	2.357E-07	3.88E-04	4.55E-04	1.96E-05	2.49E-07	1.32E-07	4.75E-04	4.01E-04	1.504E-05	2.421E-07	1.363E-07	0.0004164
2619 490660.04, 3858710.04	0.1946	0.18082	0.16487	0.12692	0.20921	3.66E-04	1.586E-05	2.5191E-07	2.338E-07	3.82E-04	4.48E-04	1.94E-05	2.49E-07	1.31E-07	4.68E-04	3.95E-04	1.495E-05	2.414E-07	1.351E-07	0.0004104
2620 490710.04, 3858710.04	0.1913	0.18012	0.1645	0.12671	0.20597	3.59E-04	1.58E-05	2.515E-07	2.301E-07	3.76E-04	4.41E-04	1.94E-05	2.48E-07	1.29E-07	4.60E-04	3.88E-04	1.49E-05	2.41E-07	1.331E-07	0.0004037
2621 490760.04, 3858710.04	0.18822	0.17929	0.16395	0.12639	0.20306	3.54E-04	1.573E-05	2.5086E-07	2.269E-07	3.70E-04	4.33E-04	1.93E-05	2.48E-07	1.27E-07	4.53E-04	3.82E-04	1.483E-05	2.404E-07	1.312E-07	0.0003974
2622 490810.04, 3858710.04	0.18523	0.17842	0.16335	0.12603	0.2001	3.48E-04	1.565E-05	2.5015E-07	2.236E-07	3.64E-04	4.27E-04	1.92E-05	2.47E-07	1.25E-07	4.46E-04	3.76E-04	1.476E-05	2.397E-07	1.293E-07	0.0003912
2623 490860.04, 3858710.04	0.18207	0.17759	0.1628	0.12568	0.19643	3.42E-04	1.558E-05	2.4945E-07	2.195E-07	3.58E-04	4.19E-04	1.91E-05	2.46E-07	1.23E-07	4.39E-04	3.70E-04	1.469E-05	2.391E-07	1.269E-07	0.0003847
2624 490360.04, 3858760.04	0.20843	0.17751	0.15984	0.12257	0.21444	3.92E-04	1.557E-05	2.4328E-07	2.396E-07	4.08E-04	4.80E-04	1.91E-05	2.40E-07	1.34E-07	4.99E-04	4.23E-04	1.468E-05	2.332E-07	1.385E-07	0.0004382
2625 490410.04, 3858760.04	0.20466	0.17724	0.16001	0.12285	0.21193	3.85E-04	1.555E-05	2.4383E-07	2.368E-07	4.01E-04	4.71E-04	1.91E-05	2.41E-07	1.33E-07	4.91E-04	4.16E-04	1.466E-05	2.337E-07	1.369E-07	0.0004306
2626 490460.04, 3858760.04	0.20093	0.17697	0.16018	0.1231	0.20909	3.78E-04	1.553E-05	2.4433E-07	2.336E-07	3.94E-04	4.63E-04	1.90E-05	2.41E-07	1.31E-07	4.82E-04	4.08E-04	1.464E-05	2.342E-07	1.351E-07	0.000423
2627 490510.04, 3858760.04	0.19725	0.17662	0.16027	0.12327	0.20604	3.71E-04	1.549E-05	2.4467E-07	2.302E-07	3.87E-04	4.54E-04	1.90E-05	2.41E-07	1.29E-07	4.74E-04	4.00E-04	1.461E-05	2.345E-07	1.331E-07	0.0004155
2628 490560.04, 3858760.04	0.19393	0.17597	0.16004	0.12325	0.20352	3.64E-04	1.544E-05	2.4463E-07	2.274E-07	3.80E-04	4.47E-04	1.89E-05	2.41E-07	1.27E-07	4.66E-04	3.94E-04	1.455E-05	2.345E-07	1.315E-07	0.0004087
2629 490610.04, 3858760.04	0.19064	0.17532	0.15979	0.12318	0.20076	3.58E-04	1.538E-05	2.4449E-07	2.243E-07	3.74E-04	4.39E-04	1.88E-05	2.41E-07	1.26E-07	4.58E-04	3.87E-04	1.45E-05	2.343E-07	1.297E-07	0.0004019
2630 490660.04, 3858760.04	0.18756	0.17456	0.15941	0.12302	0.19821	3.52E-04	1.531E-05	2.4417E-07	2.215E-07	3.68E-04	4.32E-04	1.88E-05	2.41E-07	1.24E-07	4.51E-04	3.81E-04	1.444E-05	2.34E-07	1.28E-07	0.0003956
2631 490710.04, 3858760.04	0.18457	0.17378	0.15897	0.12281	0.19559	3.47E-04	1.525E-05	2.4376E-07	2.185E-07	3.63E-04	4.25E-04	1.87E-05	2.41E-07	1.22E-07	4.44E-04	3.75E-04	1.437E-05	2.336E-07	1.263E-07	0.0003895
2632 490760.04, 3858760.04	0.18148	0.17302	0.15856	0.1226	0.19246	3.41E-04	1.518E-05	2.4334E-07	2.15E-07	3.57E-04	4.18E-04	1.86E-05	2.40E-07	1.20E-07	4.37E-04	3.68E-04	1.431E-05	2.332E-07	1.243E-07	0.0003831
2633 490810.04, 3858760.04	0.17856	0.17219	0.15804	0.12231	0.18947	3.36E-04	1.511E-05	2.4276E-07	2.117E-07	3.51E-04	4.11E-04	1.85E-05	2.40E-07	1.19E-07	4.30E-04	3.63E-04	1.424E-05	2.327E-07	1.224E-07	0.0003771
2634 490860.04, 3858760.04	0.17588	0.17129	0.15741	0.12195	0.1868	3.31E-04	1.503E-05	2.4205E-07	2.087E-07	3.46E-04	4.05E-04	1.84E-05	2.39E-07	1.17E-07	4.24E-04	3.57E-04	1.417E-05	2.32E-07	1.207E-07	0.0003716
2635 490360.04, 3858810.04	0.20053	0.17085	0.15366	0.11805	0.2041	3.77E-04	1.499E-05	2.3431E-07	2.28E-07	3.92E-04	4.62E-04	1.84E-05	2.31E-07	1.28E-07	4.81E-04	4.07E-04	1.413E-05	2.246E-07	1.318E-07	0.0004216
2636 490410.04, 3858810.04	0.19694	0.17072	0.15396	0.11844	0.20171	3.70E-04	1.498E-05	2.3508E-07	2.254E-07	3.86E-04	4.54E-04	1.84E-05	2.32E-07	1.26E-07	4.72E-04	4.00E-04	1.412E-05	2.253E-07	1.303E-07	0.0004143

2637 490460.04, 3858810.04	0.19342	0.17049	0.15418	0.11876	0.19911	3.63E-04	1.496E-05	2.3572E-07	2.225E-07	3.79E-04	4.45E-04	1.83E-05	2.33E-07	1.25E-07	4.64E-04	3.93E-04	1.41E-05	2.259E-07	1.286E-07	0.0004072
2638 490510.04, 3858810.04	0.19025	0.16995	0.15409	0.11888	0.197	3.58E-04	1.491E-05	2.3595E-07	2.201E-07	3.73E-04	4.38E-04	1.83E-05	2.33E-07	1.23E-07	4.57E-04	3.86E-04	1.405E-05	2.261E-07	1.273E-07	0.0004007
2639 490560.04, 3858810.04	0.18714	0.1694	0.15398	0.11896	0.19468	3.52E-04	1.486E-05	2.3611E-07	2.175E-07	3.67E-04	4.31E-04	1.82E-05	2.33E-07	1.22E-07	4.50E-04	3.80E-04	1.401E-05	2.263E-07	1.258E-07	0.0003943
2640 490610.04, 3858810.04	0.18383	0.16896	0.15399	0.11906	0.1916	3.45E-04	1.482E-05	2.3631E-07	2.141E-07	3.61E-04	4.23E-04	1.82E-05	2.33E-07	1.20E-07	4.42E-04	3.73E-04	1.397E-05	2.265E-07	1.238E-07	0.0003876
2641 490660.04, 3858810.04	0.18084	0.16831	0.15375	0.11901	0.189	3.40E-04	1.477E-05	2.3621E-07	2.112E-07	3.55E-04	4.16E-04	1.81E-05	2.33E-07	1.18E-07	4.35E-04	3.67E-04	1.392E-05	2.264E-07	1.221E-07	0.0003814
2642 490710.04, 3858810.04	0.17783	0.16765	0.1535	0.11893	0.18607	3.34E-04	1.471E-05	2.3605E-07	2.079E-07	3.49E-04	4.10E-04	1.80E-05	2.33E-07	1.16E-07	4.28E-04	3.61E-04	1.386E-05	2.262E-07	1.202E-07	0.0003753
2643 490760.04, 3858810.04	0.17461	0.167	0.15327	0.11882	0.18233	3.28E-04	1.465E-05	2.3584E-07	2.037E-07	3.43E-04	4.02E-04	1.80E-05	2.33E-07	1.14E-07	4.20E-04	3.55E-04	1.381E-05	2.26E-07	1.178E-07	0.0003687
2644 490810.04, 3858810.04	0.17231	0.16609	0.15266	0.11853	0.1806	3.24E-04	1.457E-05	2.3526E-07	2.018E-07	3.39E-04	3.97E-04	1.79E-05	2.32E-07	1.13E-07	4.15E-04	3.50E-04	1.374E-05	2.255E-07	1.167E-07	0.0003639
2645 490860.04, 3858810.04	0.16952	0.16528	0.15219	0.11828	0.17746	3.19E-04	1.45E-05	2.3476E-07	1.983E-07	3.33E-04	3.90E-04	1.78E-05	2.32E-07	1.11E-07	4.08E-04	3.44E-04	1.367E-05	2.25E-07	1.146E-07	0.0003582
2646 490360.04, 3858860.04	0.19217	0.16466	0.14794	0.11372	0.19379	3.61E-04	1.445E-05	2.2571E-07	2.165E-07	3.76E-04	4.43E-04	1.77E-05	2.23E-07	1.21E-07	4.61E-04	3.90E-04	1.362E-05	2.163E-07	1.252E-07	0.0004041
2647 490410.04, 3858860.04	0.18919	0.1642	0.1479	0.11398	0.19246	3.56E-04	1.44E-05	2.2623E-07	2.15E-07	3.70E-04	4.36E-04	1.77E-05	2.23E-07	1.20E-07	4.54E-04	3.84E-04	1.358E-05	2.168E-07	1.243E-07	0.000398
2648 490460.04, 3858860.04	0.18581	0.16419	0.14831	0.11443	0.18983	3.49E-04	1.44E-05	2.2712E-07	2.121E-07	3.64E-04	4.28E-04	1.77E-05	2.24E-07	1.19E-07	4.46E-04	3.77E-04	1.358E-05	2.177E-07	1.226E-07	0.0003912
2649 490510.04, 3858860.04	0.18312	0.16357	0.14813	0.11455	0.18846	3.44E-04	1.435E-05	2.2736E-07	2.106E-07	3.59E-04	4.22E-04	1.76E-05	2.24E-07	1.18E-07	4.40E-04	3.72E-04	1.353E-05	2.179E-07	1.217E-07	0.0003857
2650 490560.04, 3858860.04	0.18007	0.16324	0.14825	0.11479	0.18594	3.38E-04	1.432E-05	2.2784E-07	2.078E-07	3.53E-04	4.15E-04	1.75E-05	2.25E-07	1.16E-07	4.33E-04	3.66E-04	1.35E-05	2.184E-07	1.201E-07	0.0003794
2651 490610.04, 3858860.04	0.17669	0.163	0.1485	0.11504	0.18243	3.32E-04	1.43E-05	2.2833E-07	2.038E-07	3.47E-04	4.07E-04	1.75E-05	2.25E-07	1.14E-07	4.25E-04	3.59E-04	1.348E-05	2.188E-07	1.178E-07	0.0003726
2652 490660.04, 3858860.04	0.17394	0.16239	0.14832	0.11507	0.18006	3.27E-04	1.425E-05	2.2839E-07	2.012E-07	3.42E-04	4.01E-04	1.75E-05	2.25E-07	1.13E-07	4.18E-04	3.53E-04	1.343E-05	2.189E-07	1.163E-07	0.0003669
2653 490710.04, 3858860.04	0.17151	0.16165	0.14798	0.11499	0.17817	3.22E-04	1.418E-05	2.2823E-07	1.991E-07	3.37E-04	3.95E-04	1.74E-05	2.25E-07	1.11E-07	4.13E-04	3.48E-04	1.337E-05	2.187E-07	1.151E-07	0.0003619
2654 490760.04, 3858860.04	0.16853	0.16105	0.14783	0.11496	0.17474	3.17E-04	1.413E-05	2.2817E-07	1.952E-07	3.31E-04	3.88E-04	1.73E-05	2.25E-07	1.09E-07	4.06E-04	3.42E-04	1.332E-05	2.187E-07	1.129E-07	0.0003558
2655 490810.04, 3858860.04	0.16571	0.16033	0.14753	0.11485	0.17147	3.11E-04	1.407E-05	2.2796E-07	1.916E-07	3.26E-04	3.82E-04	1.72E-05	2.25E-07	1.07E-07	3.99E-04	3.36E-04	1.326E-05	2.185E-07	1.108E-07	0.00035
2656 490860.04, 3858860.04	0.1629	0.15948	0.14714	0.11468	0.16802	3.06E-04	1.399E-05	2.2762E-07	1.877E-07	3.21E-04	3.75E-04	1.71E-05	2.25E-07	1.05E-07	3.93E-04	3.31E-04	1.319E-05	2.182E-07	1.085E-07	0.0003443
2657 490360.04, 3858910.04	0.18438	0.1577	0.14156	0.10902	0.18561	3.46E-04	1.383E-05	2.1638E-07	2.074E-07	3.61E-04	4.25E-04	1.70E-05	2.14E-07	1.16E-07	4.42E-04	3.74E-04	1.304E-05	2.074E-07	1.199E-07	0.0003877
2658 490410.04, 3858910.04	0.18145	0.15774	0.14193	0.10952	0.18391	3.41E-04	1.384E-05	2.1738E-07	2.055E-07	3.55E-04	4.18E-04	1.70E-05	2.15E-07	1.15E-07	4.35E-04	3.68E-04	1.304E-05	2.083E-07	1.188E-07	0.0003818
2659 490460.04, 3858910.04	0.17854	0.15773	0.14229	0.10999	0.18191	3.36E-04	1.384E-05	2.1831E-07	2.033E-07	3.50E-04	4.11E-04	1.70E-05	2.15E-07	1.14E-07	4.28E-04	3.63E-04	1.304E-05	2.092E-07	1.175E-07	0.0003759
2660 490510.04, 3858910.04	0.17561	0.15765	0.14262	0.1104	0.17961	3.30E-04	1.383E-05	2.1912E-07	2.007E-07	3.44E-04	4.04E-04	1.69E-05	2.16E-07	1.12E-07	4.22E-04	3.57E-04	1.304E-05	2.1E-07	1.16E-07	0.0003699
2661 490560.04, 3858910.04	0.17265	0.15749	0.14289	0.11075	0.17698	3.24E-04	1.382E-05	2.1982E-07	1.977E-07	3.39E-04	3.98E-04	1.69E-05	2.17E-07	1.11E-07	4.15E-04	3.51E-04	1.302E-05	2.107E-07	1.143E-07	0.0003639
2662 490610.04, 3858910.04	0.16972	0.15719	0.14306	0.11101	0.17414	3.19E-04	1.379E-05	2.2033E-07	1.946E-07	3.33E-04	3.91E-04	1.69E-05	2.17E-07	1.09E-07	4.08E-04	3.45E-04	1.3E-05	2.112E-07	1.125E-07	0.0003579
2663 490660.04, 3858910.04	0.16713	0.15667	0.14299	0.11113	0.17183	3.14E-04	1.374E-05	2.2057E-07	1.92E-07	3.28E-04	3.85E-04	1.68E-05	2.18E-07	1.07E-07	4.02E-04	3.39E-04	1.296E-05	2.114E-07	1.11E-07	0.0003526
2664 490710.04, 3858910.04	0.16443	0.15613	0.14292	0.11122	0.16898	3.09E-04	1.37E-05	2.2075E-07	1.888E-07	3.23E-04	3.79E-04	1.68E-05	2.18E-07	1.06E-07	3.96E-04	3.34E-04	1.291E-05	2.116E-07	1.092E-07	0.0003471
2665 490760.04, 3858910.04	0.16153	0.15555	0.14282	0.11127	0.16544	3.04E-04	1.365E-05	2.2085E-07	1.848E-07	3.18E-04	3.72E-04	1.67E-05	2.18E-07	1.03E-07	3.89E-04	3.28E-04	1.286E-05	2.117E-07	1.069E-07	0.0003411
2666 490810.04, 3858910.04	0.15917	0.15477	0.1425	0.1112	0.16292	2.99E-04	1.358E-05	2.2071E-07	1.82E-07	3.13E-04	3.67E-04	1.66E-05	2.18E-07	1.02E-07	3.83E-04	3.23E-04	1.28E-05	2.115E-07	1.052E-07	0.0003363
2667 490860.04, 3858910.04	0.15633	0.15391	0.14219	0.11115	0.15914	2.94E-04	1.35E-05	2.2061E-07	1.778E-07	3.08E-04	3.60E-04	1.65E-05	2.18E-07	9.95E-08	3.77E-04	3.17E-04	1.273E-05	2.114E-07	1.028E-07	0.0003305
2668 490360.04, 3858960.04	0.17615	0.15137	0.13588	0.10468	0.17686	3.31E-04	1.328E-05	2.0777E-07	1.976E-07	3.45E-04	4.06E-04	1.63E-05	2.05E-07	1.11E-07	4.22E-04	3.58E-04	1.252E-05	1.991E-07	1.142E-07	0.0003705
2669 490410.04, 3858960.04	0.17338	0.15172	0.13646	0.1053	0.17505	3.26E-04	1.331E-05	2.09E-07	1.956E-07	3.40E-04	3.99E-04	1.63E-05	2.06E-07	1.09E-07	4.16E-04	3.52E-04	1.255E-05	2.003E-07	1.131E-07	0.0003649
2670 490460.04, 3858960.04	0.17056	0.15197	0.13701	0.10589	0.17287	3.21E-04	1.333E-05	2.1017E-07	1.932E-07	3.34E-04	3.93E-04	1.63E-05	2.07E-07	1.08E-07	4.09E-04	3.46E-04	1.257E-05	2.014E-07	1.117E-07	0.0003592
2671 490510.04, 3858960.04	0.16791	0.15196	0.13736	0.10634	0.17081	3.16E-04	1.333E-05	2.1107E-07	1.908E-07	3.29E-04	3.87E-04	1.63E-05	2.08E-07	1.07E-07	4.03E-04	3.41E-04	1.257E-05	2.023E-07	1.103E-07	0.0003538
2672 490560.04, 3858960.04	0.16532	0.15181	0.13761	0.10671	0.16862	3.11E-04	1.332E-05	2.118E-07	1.884E-07	3.24E-04	3.81E-04	1.63E-05	2.09E-07	1.05E-07	3.97E-04	3.36E-04	1.255E-05	2.03E-07	1.089E-07	0.0003485
2673 490610.04, 3858960.04	0.16239	0.15167	0.13792	0.10708	0.16549	3.05E-04	1.331E-05	2.1253E-07	1.849E-07	3.19E-04	3.74E-04	1.63E-05	2.10E-07	1.04E-07	3.91E-04	3.30E-04	1.254E-05	2.037E-07	1.069E-07	0.0003426
2674 490660.04, 3858960.04	0.1604	0.15113	0.13779	0.10724	0.1641	3.01E-04	1.326E-05	2.1285E-07	1.834E-07	3.15E-04	3.69E-04	1.62E-05	2.10E-07	1.03E-07	3.86E-04	3.26E-04	1.25E-05	2.04E-07	1.06E-07	0.0003385
2675 490710.04, 3858960.04	0.15763	0.15073	0.13788	0.10744	0.16076	2.96E-04	1.322E-05	2.1325E-07	1.796E-07	3.10E-04	3.63E-04	1.62E-05	2.10E-07	1.01E-07	3.80E-04	3.20E-04	1.247E-05	2.044E-07	1.038E-07	0.0003328
2676 490760.04, 3858960.04	0.15508	0.15016	0.13779	0.10755	0.15775	2.91E-04	1.317E-05	2.1347E-07	1.763E-07	3.05E-04	3.57E-04	1.61E-05	2.11E-07	9.87E-08	3.74E-04	3.15E-04	1.242E-05	2.046E-07	1.019E-07	0.0003276
2677 490810.04, 3858960.04	0.15256	0.14941	0.13761	0.1076	0.15458	2.87E-04	1.311E-05	2.1357E-07	1.727E-07	3.00E-04	3.51E-04	1.61E-05	2.11E-07	9.67E-08	3.68E-04	3.10E-04	1.236E-05	2.047E-07	9.985E-08	0.0003224
2678 490860.04, 3858960.04	0.14979	0.14859	0.13734	0.10762	0.15065	2.81E-04	1.304E-05	2.1361E-07	1.683E-07	2.95E-04	3.45E-04	1.60E-05	2.11E-07	9.42E-08	3.61E-04	3.04E-04	1.229E-05	2.047E-07	9.732E-08	0.0003167
2679 490360.04, 3859010.04	0.16798	0.14504	0.13034	0.10045	0.16854	3.16E-04	1.272E-05	1.9937E-07	1.883E-07	3.29E-04	3.87E-04	1.56E-05	1.97E-07	1.05E-07	4.03E-04	3.41E-04	1.199E-05	1.911E-07	1.089E-07	0.0003534
2680 490410.04, 3859010.04	0.16539	0.14566	0.13108	0.10115	0.16671	3.11E-04	1.278E-05	2.0076E-07	1.863E-07	3.24E-04	3.81E-04	1.57E-05	1.98E-07	1.04E-07	3.97E-04	3.36E-04	1.205E-05	1.924E-07	1.077E-07	0.0003482
2681 490460.04, 3859010.04	0.16256	0.14621	0.13186	0.10184	0.16417	3.05E-04	1.283E-05	2.0213E-07	1.834E-07	3.19E-04	3.74E-04	1.57E-05	1.99E-07	1.03E-07	3.90E-04	3.30E-04	1.209E-05	1.937E-07	1.06E-07	0.0003424
2682 490510.04, 3859010.04	0.15977	0.14649	0.13243	0.10241	0.16148	3.00E-04	1.285E-05	2.0326E-07	1.804E-07	3.13E-04	3.68E-04	1.57E-05	2.01E-07	1.01E-07	3.84E-04	3.24E-04	1.211E-05	1.948E-07	1.043E-07	0.0003368
2683 490560.04, 3859010.04	0.15776	0.14632	0.13257	0.10277	0.1601	2.96E-04	1.284E-05	2.0398E-07	1.789E-07	3.10E-04	3.63E-04	1.57E-05	2.01E-07	1.00E-07	3.79E-04	3.20E-04	1.21E-05	1.955E-07	1.034E-07	0.0003327
2684 490610.04, 3859010.04	0.15509	0.14624	0.1329	0.10321	0.15717	2.91E-04	1.283E-05	2.0485E-07	1.756E-07	3.05E-04	3.57E-04	1.57E-05	2.02E-07	9.83E-08	3.73E-04	3.15E-04	1.209E-05	1.963E-07	1.015E-07	0.0003273
2685 490660.04, 3859010.04	0.15339	0.14582	0.13284	0.10343	0.15602	2.88E-04	1.279E-05	2.0529E-07	1.743E-07	3.01E-04	3.53E-04	1.57E-05	2.03E-07	9.76E-08	3.69E-04	3.11E-04	1.206E-05	1.967E-07	1.008E-07	0.0003238
2686 490710.04, 3859010.04	0.15074	0.14549	0.13299	0.10371	0.15265	2.83E-04	1.276E-05	2.0585E-07	1.706E-07	2.96E-04	3.47E-04	1.56E-05	2.03E-07	9.55E-08	3.63E-04	3.06E-04	1.203E-05	1.973E-07	9.861E-08	0.0003184
2687 490760.04, 3859010.04	0.14828	0.14491	0.13296	0.1039	0.14952	2.79E-04	1.271E-05	2.0622E-07	1.671E-07	2.92E-04	3.41E-04	1.56E-05	2.04E-07	9.35E-08	3.57E-04	3.01E-04	1.198E-05	1.976E-07	9.659E-08	0.0003133
2688 490810.04, 3859010.04	0.14582	0.14423	0.13283	0.10404	0.14619	2.74E-04	1.265E-05	2.065E-07	1.633E-07	2.87E-04	3.36E-04	1.55E-05	2.04E-07	9.14E-08	3.52E-04	2.96E-04	1.193E-05	1.979E-07	9.443E-08	0.0003083
2689 490860.04, 3859010.04	0.14354	0.14349	0.13253	0.10413	0.1431	2.70E-04	1.259E-05	2.0668E-07	1.599E-07	2.83E-04	3.31E-04	1.54E-05	2.04E-07	8.95E-08	3.46E-04	2.91E-04	1.187E-05	1.981E-07	9.244E-08	0.0003036
2690 490360.04, 3859060.04	0.15978	0.13885	0.12504	0.09642	0.16035	3.00E-04	1.218E-05	1.9138E-07	1.792E-07	3.13E-04	3.68E-04	1.49E-05	1.89E-07	1.00E-07	3.83E-04	3.24E-04	1.148E-05	1.834E-07	1.036E-07	0.0003362
2691 490410.04, 3859060.04	0.15707	0.13986	0.1261	0.09723	0.15793	2.95E-04	1.227E-05	1.9298E-07	1.765E-07	3.08E-04	3.62E-04	1.50E-05	1.90E-07	9.88E-08	3.77E-04	3.19E-04	1.157E-05	1.85E-07	1.02E-07	0.0003308
2692 490460.04, 3859060.04	0.15463	0.14042	0.12678	0.09786	0.15584	2.91E-04	1.232E-05	1.9423E-07	1.741E-07	3.03E-04	3.56E-04	1.51E-05	1.92E-07	9.75E-08	3.71E-04	3.14E-04	1.161E-05	1.862E-07	1.007E-07	0.0003259
2693 490510.04, 3859060.04	0.1524	0.14072	0.12727	0.0984	0.15386	2.86E-04	1.234E-05	1.9531E-07	1.719E-07	2.99E-04	3.51E-04	1.51E-05	1.93E-07	9.62E-08	3.66E-04	3.09E-04	1.164E-05	1.872E-07	9.939E-08	0.0003214
2694 490560.04, 3859060.04	0.14989	0.14092	0.12775	0.09896	0.15115	2.82E-04	1.236E-05	1.9642E-07	1.689E-07	2.94E-04	3.45E-04	1.51E-05	1.94E-07	9.45E-08	3.61E-04	3.04E-04	1.165E-05	1.882E-07	9.764E-08	0.0003163
2695 490610.04, 3859060.04	0.14801	0.14082	0.12794	0.09935	0.14941	2.78E-04	1.235E-05	1.9719E-07	1.669E-07	2.91E-04	3.41E-04	1.51E-05	1.95E-07	9.34E-08	3.56E-04	3.01E-04	1.165E-05	1.89E-07	9.651E-08	0.0003124
2696 490660.04, 3859060.04	0.14621	0.1406	0.12805	0.09969	0.14773	2.75E-04	1.233E-05	1.9787E-07	1.651E-07	2.87E-04	3.37E-04	1.51E-05	1.95E-07	9.24E-08	3.52E-04	2.97E-04	1.163E-05	1.896E-07	9.543E-08	0.0003088
2697 490710.04, 3859060.04	0.14372	0.14028	0.12822	0.10003	0.1444	2.70E-04	1.231E-05	1.9854E-07	1.613E-07	2.83E-04	3.31E-04	1.51E-05	1.96E-07	9.03E-08	3.46E-04	2.92E-04	1.16E-05	1.903E-07	9.328E-08	0.0003037
2698 490760.04, 3859060.04	0.14141	0.13977	0.12823	0.10028	0.1413	2.66E-04	1.226E-05	1.9904E-07	1.579E-07	2.78E-04	3.26E-04	1.50E-05	1.96E-07	8.84E-08	3.41E-04	2.87E-04	1.156E-05	1.908E-07	9.128E-08	0.000299
2699 490810.04, 3859060.04	0.13908	0.13917	0.12809	0.1005	0.13794	2.61E-04	1.221E-05	1.9947E-07	1.541E-07	2.74E-04	3.20E-04	1.50E-05	1.97E-07	8.63E-08	3.36E-04	2.82E-04	1.151E-05	1.912E-07	8.91E-08	0.0002942
2700 490860.04, 3859060.04	0.13696	0.13744	0.12781	0.10065	0.13487	2.57E-04	1.206E-05	1.9977E-07	1.507E-07	2.70E-04	3.15E-04	1.48E-05	1.97E-07	8.44E-08	3.30E-04	2.78E-04	1.137E-05	1.915E-07	8.712E-08	0.0002897
2701 490360.04, 3859110.04	0.15199	0.13247	0.11966	0.09249	0.15299	2.86E-04	1.162E-05	1.8358E-07	1.709E-07	2.98E-04	3.50E-04	1.42E-05	1.81E-07	9.57E-08	3.65E-04	3.09E-04	1.096E-05	1.759E-07	9.883E-08	0.0003198
2702 490410.04, 3859110.04	0.1496	0.13362	0.12077	0.09328	0.15085	2.81E-04	1.172E-05	1.8514E-07	1.685E-07	2.93E-04	3.45E-04	1.44E-05	1.83E-07	9.43E-08	3.59E-04	3.04E-04	1.105E-05	1.774E-07	9.744E-08	0.0003151
2703 490460.04, 3859110.04	0.14765	0.13427	0.12143	0.09386	0.14936	2.77E-04	1.178E-05	1.8629E-07	1.669E-07	2.90E-04	3.40E-04	1.44E-05	1.84E-07	9.34E-08	3.55E-04	3.00E-04	1.11E-05	1.785E-07	9.648E-08	0.0003112
2704 490510.04, 3859110.04	0.14478	0.13504	0.12234	0.09458	0.14587	2.72E-04	1.185E-05	1.8772E-07	1.63E-07	2.84E-04	3.33E-04	1.45E-05	1.85E-07	9.12E-08	3.48E-04	2.94E-04	1.117E-05	1.799E-07	9.423E-08	0.0003054
2705 490560.04, 3859110.04	0.14274	0.13533	0.1228	0.09512	0.14368	2.68E-04	1.187E-05	1.888E-07	1.605E-07	2.80E-04	3.29E-04	1.45E-05	1.86E-07	8.99E-08	3.44E-04	2.90E-04	1.119E-05	1.809E-07	9.281E-08	0.0003013
2706 490610.04, 3859110.04	0.14055	0.13546	0.12318	0.09561	0.14101	2.64E-04	1.188E-05	1.8977E-07	1.576E-07	2.76E-04	3.24E-04	1.46E-05	1.87E-07	8.82E-08	3.38E-04	2.85E-04	1.12E-05	1.819E-07	9.109E-08	0.0002968
2707 490660.04, 3859110.04	0.13815	0.13532	0.12347	0.09605	0.13772	2.60E-04	1.187E-05	1.9064E-07	1.539E-07	2.72E-04	3.18E-04	1.45E-05	1.88E-07	8.61E-08	3.33E-04	2.80E-04	1.119E-05	1.827E-07	8.896E-08	0.000292
2708 490710.04, 3859110.04	0.1365	0.13506	0.12355	0.09637	0.13585	2.57E-04	1.185E-05	1.9128E-07	1.518E-07	2.69E-04	3.14E-04	1.45E-05	1.89E-07	8.50E-08	3.29E-04	2.77E-04	1.117E-05	1.833E-07	8.775E-08	0.0002886
2709 490760.04, 3859110.04	0.13452	0.13468	0.12354	0.09669	0.13311	2.53E-04	1.182E-05	1.9191E-07	1.487E-07	2.65E-04	3.10E-04	1.45E-05	1.89E-07	8.33E-08	3.25E-04	2.73E-04	1.114E-05	1.839E-07	8.598E-08	0.0002845
2710 490810.04, 3859110.04	0.13225	0.1334	0.12339	0.09696	0.12955	2.49E-04	1.17E-05	1.9245E-07	1.447E-07	2.61E-04	3.05E-04	1.43E-05	1.90E-07	8.10E-08	3.19E-04	2.69E-04	1.103E-05	1.844E-07	8.369E-08	0.0002798
2711 490860.04, 3859110.04	0.13004	0.13238	0.12316	0.09721	0.12599	2.44E-04	1.161E-05	1.9294E-07	1.408E-07	2.56E-04	2.99E-04	1.42E-05	1.90E-07	7.88E-08	3.14E-04	2.64E-04	1.095E-05	1.849E-07	8.139E-08	0.0002752
2712 490360.04, 3859160.04	0.14454	0.1261	0.11434	0.08875	0.14611	2.72E-04	1.106E-05	1.7615E-07	1.633E-07	2.83E-04	3.33E-04	1.36E-05	1.74E-07	9.14E-08	3.47E-04	2.93E-04	1.043E-05	1.688E-07	9.438E-08	0.0003042
2713 490410.04, 3859160.04	0.14255	0.12734	0.11546	0.08948	0.14444	2.68E-04	1.117E-05	1.776E-07	1.614E-07	2.79E-04	3.28E-04	1.37E-05	1.75E-07	9.03E-08	3.42E-04	2.89E-04	1.053E-05	1.702E-07	9.33E-08	0.0003002
2714 490460.04, 3859160.04	0.14062	0.12828	0.11634	0.09011	0.1427	2.64E-04	1.125E-05	1.7885E-07	1.594E-07	2.76E-04	3.24E-04	1.38E-05	1.77E-07	8.93E-08	3.38E-04	2.86E-04	1.061E-05	1.714E-07	9.218E-08	0.0002964
2715 490510.04, 3859160.04	0.13859	0.12904	0.11711	0.09072	0.14056	2.60E-04	1.132E-05	1.8006E-07	1.57E-07	2.72E-04	3.19E-04	1.39E-05	1.78E-07	8.79E-08	3.33E-04	2.81E-04	1.067E-05	1.726E-07	9.08E-08	0.0002923
2716 490560.04, 3859160.04	0.13621	0.12965	0.11783	0.09135	0.13746	2.56E-04	1.137E-05	1.8131E-07	1.536E-07	2.68E-04	3.14E-04	1.39E-05	1.79E-07	8.60E-08	3.28E-04	2.77E-04	1.072E-05	1.738E-07	8.879E-08	0.0002875

2717 490610.04, 3859160.04	0.13445	0.12993	0.11825	0.09183	0.1354	2.53E-04	1.14E-05	1.8227E-07	1.513E-07	2.64E-04	3.10E-04	1.40E-05	1.80E-07	8.47E-08	3.24E-04	2.73E-04	1.075E-05	1.747E-07	8.746E-08	0.000284
2718 490660.04, 3859160.04	0.13119	0.12996	0.11875	0.09234	0.13005	2.47E-04	1.14E-05	1.8328E-07	1.453E-07	2.58E-04	3.02E-04	1.40E-05	1.81E-07	8.13E-08	3.16E-04	2.66E-04	1.075E-05	1.757E-07	8.401E-08	0.0002774
2719 490710.04, 3859160.04	0.12962	0.12985	0.11886	0.09273	0.12802	2.44E-04	1.139E-05	1.8405E-07	1.43E-07	2.55E-04	2.98E-04	1.40E-05	1.82E-07	8.01E-08	3.13E-04	2.63E-04	1.074E-05	1.764E-07	8.27E-08	0.0002742
2720 490760.04, 3859160.04	0.12708	0.12895	0.11883	0.09312	0.1237	2.39E-04	1.131E-05	1.8483E-07	1.382E-07	2.50E-04	2.93E-04	1.39E-05	1.82E-07	7.74E-08	3.07E-04	2.58E-04	1.066E-05	1.771E-07	7.991E-08	0.0002689
2721 490810.04, 3859160.04	0.12554	0.12839	0.11876	0.09346	0.12143	2.36E-04	1.126E-05	1.855E-07	1.357E-07	2.47E-04	2.89E-04	1.38E-05	1.83E-07	7.59E-08	3.03E-04	2.55E-04	1.062E-05	1.778E-07	7.844E-08	0.0002658
2722 490860.04, 3859160.04	0.12384	0.1276	0.11773	0.09372	0.11879	2.33E-04	1.119E-05	1.8602E-07	1.327E-07	2.44E-04	2.85E-04	1.37E-05	1.84E-07	7.43E-08	2.99E-04	2.51E-04	1.055E-05	1.783E-07	7.673E-08	0.0002622
2723 490360.04, 3859210.04	0.13737	0.11995	0.10925	0.08531	0.13941	2.58E-04	1.052E-05	1.6932E-07	1.558E-07	2.69E-04	3.16E-04	1.29E-05	1.67E-07	8.72E-08	3.29E-04	2.79E-04	9.92E-06	1.623E-07	9.005E-08	0.0002891
2724 490410.04, 3859210.04	0.13615	0.12092	0.11003	0.0858	0.13898	2.56E-04	1.061E-05	1.703E-07	1.553E-07	2.67E-04	3.14E-04	1.30E-05	1.68E-07	8.69E-08	3.27E-04	2.76E-04	1E-05	1.632E-07	8.978E-08	0.0002867
2725 490460.04, 3859210.04	0.13391	0.12234	0.11135	0.08656	0.13645	2.52E-04	1.073E-05	1.7181E-07	1.525E-07	2.63E-04	3.08E-04	1.32E-05	1.70E-07	8.53E-08	3.22E-04	2.72E-04	1.012E-05	1.647E-07	8.814E-08	0.0002823
2726 490510.04, 3859210.04	0.13203	0.12327	0.11222	0.08715	0.13436	2.48E-04	1.081E-05	1.7298E-07	1.501E-07	2.59E-04	3.04E-04	1.33E-05	1.71E-07	8.40E-08	3.18E-04	2.68E-04	1.019E-05	1.658E-07	8.679E-08	0.0002785
2727 490560.04, 3859210.04	0.13057	0.12388	0.1128	0.08766	0.1329	2.45E-04	1.087E-05	1.7399E-07	1.485E-07	2.57E-04	3.01E-04	1.33E-05	1.72E-07	8.31E-08	3.14E-04	2.65E-04	1.024E-05	1.668E-07	8.585E-08	0.0002756
2728 490610.04, 3859210.04	0.12869	0.12441	0.11341	0.08819	0.13034	2.42E-04	1.091E-05	1.7504E-07	1.456E-07	2.53E-04	2.96E-04	1.34E-05	1.73E-07	8.15E-08	3.10E-04	2.61E-04	1.029E-05	1.678E-07	8.42E-08	0.0002718
2729 490660.04, 3859210.04	0.12594	0.12466	0.11397	0.08869	0.12587	2.37E-04	1.094E-05	1.7603E-07	1.406E-07	2.48E-04	2.90E-04	1.34E-05	1.74E-07	7.87E-08	3.04E-04	2.56E-04	1.031E-05	1.687E-07	8.131E-08	0.0002663
2730 490710.04, 3859210.04	0.12417	0.12473	0.11423	0.0891	0.1234	2.33E-04	1.094E-05	1.7685E-07	1.379E-07	2.45E-04	2.86E-04	1.34E-05	1.75E-07	7.72E-08	3.00E-04	2.52E-04	1.032E-05	1.695E-07	7.971E-08	0.0002627
2731 490760.04, 3859210.04	0.12178	0.12411	0.11429	0.08955	0.11895	2.29E-04	1.089E-05	1.7774E-07	1.329E-07	2.40E-04	2.80E-04	1.33E-05	1.75E-07	7.44E-08	2.94E-04	2.47E-04	1.026E-05	1.703E-07	7.684E-08	0.0002578
2732 490810.04, 3859210.04	0.12116	0.12398	0.11437	0.08991	0.11851	2.28E-04	1.088E-05	1.7845E-07	1.324E-07	2.39E-04	2.79E-04	1.33E-05	1.76E-07	7.41E-08	2.93E-04	2.46E-04	1.025E-05	1.71E-07	7.655E-08	0.0002565
2733 490860.04, 3859210.04	0.12043	0.12373	0.11439	0.09024	0.11783	2.26E-04	1.085E-05	1.7911E-07	1.317E-07	2.37E-04	2.77E-04	1.33E-05	1.77E-07	7.37E-08	2.91E-04	2.45E-04	1.023E-05	1.717E-07	7.611E-08	0.000255
2734 490360.04, 3859260.04	0.13046	0.11426	0.10457	0.08224	0.13261	2.45E-04	1.002E-05	1.6323E-07	1.482E-07	2.55E-04	3.00E-04	1.23E-05	1.61E-07	8.29E-08	3.13E-04	2.65E-04	9.449E-06	1.564E-07	8.566E-08	0.0002746
2735 490410.04, 3859260.04	0.12929	0.11534	0.10545	0.08269	0.13209	2.43E-04	1.012E-05	1.6412E-07	1.476E-07	2.53E-04	2.98E-04	1.24E-05	1.62E-07	8.26E-08	3.10E-04	2.63E-04	9.538E-06	1.573E-07	8.533E-08	0.0002723
2736 490460.04, 3859260.04	0.12824	0.11624	0.10618	0.08311	0.13169	2.41E-04	1.02E-05	1.6496E-07	1.471E-07	2.51E-04	2.95E-04	1.25E-05	1.63E-07	8.24E-08	3.08E-04	2.60E-04	9.613E-06	1.581E-07	8.507E-08	0.0002702
2737 490510.04, 3859260.04	0.12714	0.11706	0.10684	0.08354	0.1311	2.39E-04	1.027E-05	1.6581E-07	1.465E-07	2.50E-04	2.93E-04	1.26E-05	1.64E-07	8.20E-08	3.06E-04	2.58E-04	9.681E-06	1.589E-07	8.469E-08	0.0002681
2738 490560.04, 3859260.04	0.12563	0.11802	0.10773	0.08409	0.12937	2.36E-04	1.035E-05	1.669E-07	1.445E-07	2.47E-04	2.89E-04	1.27E-05	1.65E-07	8.09E-08	3.02E-04	2.55E-04	9.76E-06	1.6E-07	8.357E-08	0.0002651
2739 490610.04, 3859260.04	0.1235	0.11889	0.10862	0.0847	0.12619	2.32E-04	1.043E-05	1.6811E-07	1.41E-07	2.43E-04	2.84E-04	1.28E-05	1.66E-07	7.89E-08	2.97E-04	2.51E-04	9.832E-06	1.611E-07	8.151E-08	0.0002608
2740 490660.04, 3859260.04	0.12279	0.1193	0.10898	0.0851	0.12583	2.31E-04	1.047E-05	1.6891E-07	1.406E-07	2.42E-04	2.83E-04	1.28E-05	1.67E-07	7.87E-08	2.96E-04	2.49E-04	9.866E-06	1.619E-07	8.128E-08	0.0002594
2741 490710.04, 3859260.04	0.12141	0.11967	0.1094	0.08554	0.12415	2.28E-04	1.05E-05	1.6978E-07	1.387E-07	2.39E-04	2.80E-04	1.29E-05	1.68E-07	7.76E-08	2.93E-04	2.47E-04	9.897E-06	1.627E-07	8.02E-08	0.0002566
2742 490760.04, 3859260.04	0.11916	0.11983	0.1099	0.08601	0.11999	2.24E-04	1.051E-05	1.7071E-07	1.341E-07	2.35E-04	2.74E-04	1.29E-05	1.68E-07	7.50E-08	2.88E-04	2.42E-04	9.91E-06	1.636E-07	7.751E-08	0.0002521
2743 490810.04, 3859260.04	0.11833	0.11991	0.11009	0.08639	0.11902	2.22E-04	1.052E-05	1.7147E-07	1.33E-07	2.33E-04	2.72E-04	1.29E-05	1.69E-07	7.44E-08	2.86E-04	2.40E-04	9.916E-06	1.643E-07	7.688E-08	0.0002504
2744 490860.04, 3859260.04	0.11747	0.11991	0.11022	0.08677	0.11796	2.21E-04	1.052E-05	1.7222E-07	1.318E-07	2.32E-04	2.71E-04	1.29E-05	1.70E-07	7.38E-08	2.84E-04	2.39E-04	9.916E-06	1.651E-07	7.62E-08	0.0002487
2745 490360.04, 3859310.04	0.12438	0.10849	0.09973	0.07923	0.12685	2.34E-04	9.517E-06	1.5726E-07	1.417E-07	2.44E-04	2.86E-04	1.17E-05	1.55E-07	7.93E-08	2.98E-04	2.53E-04	8.972E-06	1.507E-07	8.194E-08	0.0002617
2746 490410.04, 3859310.04	0.12344	0.10958	0.10062	0.07962	0.12658	2.32E-04	9.613E-06	1.5803E-07	1.414E-07	2.42E-04	2.84E-04	1.18E-05	1.56E-07	7.92E-08	2.96E-04	2.51E-04	9.062E-06	1.515E-07	8.177E-08	0.0002599
2747 490460.04, 3859310.04	0.12252	0.11056	0.10141	0.08	0.12628	2.30E-04	9.699E-06	1.5879E-07	1.411E-07	2.40E-04	2.82E-04	1.19E-05	1.57E-07	7.90E-08	2.94E-04	2.49E-04	9.143E-06	1.522E-07	8.157E-08	0.0002581
2748 490510.04, 3859310.04	0.12173	0.11137	0.10205	0.08035	0.12614	2.29E-04	9.77E-06	1.5948E-07	1.409E-07	2.39E-04	2.80E-04	1.20E-05	1.57E-07	7.89E-08	2.93E-04	2.47E-04	9.21E-06	1.528E-07	8.148E-08	0.0002566
2749 490560.04, 3859310.04	0.12085	0.1122	0.10273	0.08075	0.12571	2.27E-04	9.843E-06	1.6027E-07	1.405E-07	2.37E-04	2.78E-04	1.21E-05	1.58E-07	7.86E-08	2.91E-04	2.45E-04	9.279E-06	1.536E-07	8.12E-08	0.0002549
2750 490610.04, 3859310.04	0.12007	0.11291	0.1033	0.08114	0.12533	2.26E-04	9.905E-06	1.6105E-07	1.4E-07	2.36E-04	2.76E-04	1.21E-05	1.59E-07	7.84E-08	2.89E-04	2.44E-04	9.338E-06	1.543E-07	8.096E-08	0.0002534
2751 490660.04, 3859310.04	0.11904	0.11365	0.10396	0.0816	0.1243	2.24E-04	9.97E-06	1.6196E-07	1.389E-07	2.34E-04	2.74E-04	1.22E-05	1.60E-07	7.77E-08	2.87E-04	2.42E-04	9.399E-06	1.552E-07	8.029E-08	0.0002513
2752 490710.04, 3859310.04	0.1172	0.11447	0.10482	0.08219	0.12129	2.20E-04	1.004E-05	1.6313E-07	1.355E-07	2.31E-04	2.70E-04	1.23E-05	1.61E-07	7.59E-08	2.82E-04	2.38E-04	9.467E-06	1.563E-07	7.835E-08	0.0002477
2753 490760.04, 3859310.04	0.11597	0.11493	0.10531	0.08263	0.1195	2.18E-04	1.008E-05	1.6401E-07	1.335E-07	2.28E-04	2.67E-04	1.24E-05	1.62E-07	7.47E-08	2.80E-04	2.35E-04	9.505E-06	1.572E-07	7.719E-08	0.0002452
2754 490810.04, 3859310.04	0.11518	0.11519	0.10565	0.08303	0.11858	2.16E-04	1.011E-05	1.648E-07	1.325E-07	2.27E-04	2.65E-04	1.24E-05	1.63E-07	7.42E-08	2.78E-04	2.34E-04	9.526E-06	1.579E-07	7.66E-08	0.0002436
2755 490860.04, 3859310.04	0.11399	0.11535	0.10598	0.08344	0.11668	2.14E-04	1.012E-05	1.6561E-07	1.304E-07	2.25E-04	2.62E-04	1.24E-05	1.63E-07	7.30E-08	2.75E-04	2.31E-04	9.539E-06	1.587E-07	7.537E-08	0.0002412
2756 490360.04, 3859360.04	0.11867	0.10308	0.09514	0.07644	0.12135	2.23E-04	9.043E-06	1.5172E-07	1.356E-07	2.32E-04	2.73E-04	1.11E-05	1.50E-07	7.59E-08	2.85E-04	2.41E-04	8.525E-06	1.454E-07	7.839E-08	0.0002497
2757 490410.04, 3859360.04	0.11805	0.10394	0.09582	0.07668	0.12153	2.22E-04	9.118E-06	1.522E-07	1.358E-07	2.31E-04	2.72E-04	1.12E-05	1.50E-07	7.60E-08	2.83E-04	2.40E-04	8.596E-06	1.459E-07	7.85E-08	0.0002485
2758 490460.04, 3859360.04	0.11745	0.10477	0.09647	0.07693	0.12172	2.21E-04	9.191E-06	1.5269E-07	1.36E-07	2.30E-04	2.70E-04	1.13E-05	1.51E-07	7.61E-08	2.82E-04	2.38E-04	8.664E-06	1.463E-07	7.863E-08	0.0002474
2759 490510.04, 3859360.04	0.11682	0.10563	0.09715	0.07723	0.1218	2.20E-04	9.267E-06	1.5329E-07	1.361E-07	2.29E-04	2.69E-04	1.14E-05	1.51E-07	7.62E-08	2.81E-04	2.37E-04	8.735E-06	1.469E-07	7.868E-08	0.0002461
2760 490560.04, 3859360.04	0.11602	0.10664	0.09799	0.07766	0.12138	2.18E-04	9.355E-06	1.5414E-07	1.356E-07	2.28E-04	2.67E-04	1.15E-05	1.52E-07	7.59E-08	2.79E-04	2.36E-04	8.819E-06	1.477E-07	7.841E-08	0.0002446
2761 490610.04, 3859360.04	0.11519	0.10756	0.09876	0.07807	0.12083	2.16E-04	9.436E-06	1.5495E-07	1.35E-07	2.26E-04	2.65E-04	1.16E-05	1.53E-07	7.56E-08	2.77E-04	2.34E-04	8.895E-06	1.485E-07	7.805E-08	0.000243
2762 490660.04, 3859360.04	0.11442	0.10833	0.09941	0.07847	0.12033	2.15E-04	9.503E-06	1.5575E-07	1.344E-07	2.25E-04	2.63E-04	1.16E-05	1.54E-07	7.53E-08	2.75E-04	2.32E-04	8.959E-06	1.493E-07	7.773E-08	0.0002415
2763 490710.04, 3859360.04	0.11334	0.10917	0.10016	0.07894	0.119	2.13E-04	9.577E-06	1.5668E-07	1.33E-07	2.23E-04	2.61E-04	1.17E-05	1.55E-07	7.44E-08	2.73E-04	2.30E-04	9.028E-06	1.502E-07	7.687E-08	0.0002394
2764 490760.04, 3859360.04	0.11212	0.10988	0.10085	0.07943	0.11717	2.11E-04	9.639E-06	1.5765E-07	1.309E-07	2.21E-04	2.58E-04	1.18E-05	1.56E-07	7.33E-08	2.70E-04	2.28E-04	9.087E-06	1.511E-07	7.569E-08	0.000237
2765 490810.04, 3859360.04	0.1117	0.11029	0.1012	0.07978	0.11708	2.10E-04	9.675E-06	1.5835E-07	1.308E-07	2.20E-04	2.57E-04	1.19E-05	1.56E-07	7.32E-08	2.69E-04	2.27E-04	9.121E-06	1.518E-07	7.563E-08	0.0002361
2766 490860.04, 3859360.04	0.11084	0.1107	0.10164	0.0802	0.11588	2.08E-04	9.711E-06	1.5918E-07	1.295E-07	2.18E-04	2.55E-04	1.19E-05	1.57E-07	7.25E-08	2.67E-04	2.25E-04	9.155E-06	1.526E-07	7.485E-08	0.0002344
2767 490360.04, 3859410.04	0.11322	0.09809	0.09087	0.07387	0.11616	2.13E-04	8.605E-06	1.4662E-07	1.298E-07	2.22E-04	2.61E-04	1.05E-05	1.45E-07	7.27E-08	2.71E-04	2.30E-04	8.112E-06	1.405E-07	7.504E-08	0.0002382
2768 490410.04, 3859410.04	0.11278	0.09879	0.09143	0.07401	0.11643	2.12E-04	8.667E-06	1.469E-07	1.301E-07	2.21E-04	2.60E-04	1.06E-05	1.45E-07	7.28E-08	2.71E-04	2.29E-04	8.17E-06	1.408E-07	7.521E-08	0.0002374
2769 490460.04, 3859410.04	0.11233	0.09956	0.09204	0.0742	0.11669	2.11E-04	8.734E-06	1.4727E-07	1.304E-07	2.20E-04	2.59E-04	1.07E-05	1.45E-07	7.30E-08	2.70E-04	2.28E-04	8.233E-06	1.411E-07	7.538E-08	0.0002365
2770 490510.04, 3859410.04	0.11185	0.10038	0.0927	0.07445	0.11689	2.10E-04	8.806E-06	1.4777E-07	1.306E-07	2.19E-04	2.58E-04	1.08E-05	1.46E-07	7.31E-08	2.69E-04	2.27E-04	8.301E-06	1.416E-07	7.551E-08	0.0002356
2771 490560.04, 3859410.04	0.11135	0.10122	0.09336	0.07473	0.11702	2.09E-04	8.88E-06	1.4833E-07	1.307E-07	2.18E-04	2.56E-04	1.09E-05	1.46E-07	7.32E-08	2.68E-04	2.26E-04	8.371E-06	1.422E-07	7.559E-08	0.0002347
2772 490610.04, 3859410.04	0.11083	0.10207	0.09405	0.07505	0.11704	2.08E-04	8.954E-06	1.4896E-07	1.308E-07	2.18E-04	2.55E-04	1.10E-05	1.47E-07	7.32E-08	2.66E-04	2.25E-04	8.441E-06	1.428E-07	7.56E-08	0.0002337
2773 490660.04, 3859410.04	0.11007	0.10308	0.09491	0.0755	0.11644	2.07E-04	9.043E-06	1.4985E-07	1.301E-07	2.16E-04	2.53E-04	1.11E-05	1.48E-07	7.28E-08	2.65E-04	2.23E-04	8.525E-06	1.436E-07	7.522E-08	0.0002322
2774 490710.04, 3859410.04	0.10931	0.10394	0.09564	0.07591	0.11584	2.05E-04	9.118E-06	1.5067E-07	1.294E-07	2.15E-04	2.52E-04	1.12E-05	1.49E-07	7.25E-08	2.63E-04	2.22E-04	8.596E-06	1.444E-07	7.483E-08	0.0002308
2775 490760.04, 3859410.04	0.10831	0.10483	0.09645	0.07637	0.11448	2.04E-04	9.196E-06	1.5158E-07	1.279E-07	2.13E-04	2.49E-04	1.13E-05	1.50E-07	7.16E-08	2.61E-04	2.20E-04	8.669E-06	1.453E-07	7.395E-08	0.0002288
2776 490810.04, 3859410.04	0.10787	0.10539	0.0969	0.07672	0.11431	2.03E-04	9.246E-06	1.5228E-07	1.277E-07	2.12E-04	2.48E-04	1.13E-05	1.50E-07	7.15E-08	2.60E-04	2.19E-04	8.716E-06	1.459E-07	7.384E-08	0.000228
2777 490860.04, 3859410.04	0.10759	0.1058	0.09724	0.07704	0.11452	2.02E-04	9.281E-06	1.5291E-07	1.28E-07	2.12E-04	2.48E-04	1.14E-05	1.51E-07	7.16E-08	2.59E-04	2.18E-04	8.75E-06	1.465E-07	7.398E-08	0.0002274
2778 490360.04, 3859460.04	0.10803	0.09366	0.08705	0.07156	0.11128	2.03E-04	8.216E-06	1.4203E-07	1.243E-07	2.11E-04	2.49E-04	1.01E-05	1.40E-07	6.96E-08	2.59E-04	2.19E-04	7.746E-06	1.361E-07	7.188E-08	0.0002273
2779 490410.04, 3859460.04	0.10772	0.09432	0.0876	0.07169	0.11143	2.02E-04	8.274E-06	1.4229E-07	1.245E-07	2.11E-04	2.48E-04	1.01E-05	1.40E-07	6.97E-08	2.58E-04	2.19E-04	7.8E-06	1.364E-07	7.198E-08	0.0002267
2780 490460.04, 3859460.04	0.1074	0.09494	0.08809	0.07179	0.1117	2.02E-04	8.329E-06	1.4249E-07	1.248E-07	2.10E-04	2.47E-04	1.02E-05	1.41E-07	6.99E-08	2.58E-04	2.18E-04	7.851E-06	1.366E-07	7.215E-08	0.0002261
2781 490510.04, 3859460.04	0.10706	0.09564	0.08866	0.07196	0.11195	2.01E-04	8.39E-06	1.4283E-07	1.251E-07	2.10E-04	2.47E-04	1.03E-05	1.41E-07	7.00E-08	2.57E-04	2.17E-04	7.909E-06	1.369E-07	7.232E-08	0.0002255
2782 490560.04, 3859460.04	0.10669	0.09636	0.08923	0.07215	0.11222	2.00E-04	8.453E-06	1.432E-07	1.254E-07	2.09E-04	2.46E-04	1.04E-05	1.41E-07	7.02E-08	2.56E-04	2.17E-04	7.969E-06	1.372E-07	7.249E-08	0.0002248
2783 490610.04, 3859460.04	0.10628	0.09721	0.08992	0.07243	0.11233	2.00E-04	8.528E-06	1.4376E-07	1.255E-07	2.09E-04	2.45E-04	1.05E-05	1.42E-07	7.03E-08	2.55E-04	2.16E-04	8.039E-06	1.378E-07	7.256E-08	0.000224
2784 490660.04, 3859460.04	0.10582	0.0981	0.09066	0.07277	0.11226	1.99E-04	8.606E-06	1.4444E-07	1.254E-07	2.08E-04	2.44E-04	1.05E-05	1.43E-07	7.02E-08	2.54E-04	2.15E-04	8.113E-06	1.384E-07	7.252E-08	0.0002232
2785 490710.04, 3859460.04	0.10537	0.09884	0.09124	0.07305	0.11233	1.98E-04	8.671E-06	1.4499E-07	1.255E-07	2.07E-04	2.43E-04	1.06E-05	1.43E-07	7.03E-08	2.53E-04	2.14E-04	8.174E-06	1.39E-07	7.256E-08	0.0002223
2786 490760.04, 3859460.04	0.10483	0.0997	0.09196	0.07343	0.11198	1.97E-04	8.746E-06	1.4574E-07	1.251E-07	2.06E-04	2.41E-04	1.07E-05	1.44E-07	7.00E-08	2.52E-04	2.13E-04	8.245E-06	1.397E-07	7.234E-08	0.0002213
2787 490810.04, 3859460.04	0.10427	0.10046	0.09261	0.07381	0.11156	1.96E-04	8.813E-06	1.465E-07	1.246E-07	2.05E-04	2.40E-04	1.08E-05	1.45E-07	6.98E-08	2.51E-04	2.12E-04	8.308E-06	1.404E-07	7.206E-08	0.0002202
2788 490860.04, 3859460.04	0.10395	0.10099	0.09303	0.07411	0.11169	1.95E-04	8.86E-06	1.4709E-07	1.248E-07	2.04E-04	2.39E-04	1.09E-05	1.45E-07	6.99E-08	2.50E-04	2.11E-04	8.352E-06	1.41E-07	7.215E-08	0.0002196
2789 490360.04, 3859510.04	0.10292	0.08977	0.08367	0.0695	0.10707	1.93E-04	7.875E-06	1.3794E-07	1.196E-07	2.02E-04	2.37E-04	9.65E-06	1.36E-07	6.70E-08	2.47E-04	2.09E-04	7.424E-06	1.322E-07	6.916E-08	0.0002166
2790 490410.04, 3859510.04	0.10284	0.09016	0.08399	0.06949	0.10728	1.93E-04	7.909E-06	1.3792E-07	1.199E-07	2.01E-04	2.37E-04	9.69E-06	1.36E-07	6.71E-08	2.47E-04	2.09E-04	7.456E-06	1.322E-07	6.93E-08	0.0002165
2791 490460.04, 3859510.04	0.10268	0.09071	0.08445	0.06957	0.10709	1.93E-04	7.958E-06	1.3808E-07	1.197E-07	2.01E-04	2.36E-04	9.75E-06	1.36E-07	6.70E-08	2.46E-04	2.08E-04	7.502E-06	1.323E-07	6.918E-08	0.0002162
2792 490510.04, 3859510.04	0.10245	0.09128	0.08492	0.06966	0.10732	1.93E-04	8.008E-06	1.3826E-07	1.199E-07	2.01E-04	2.36E-04	9.81E-06	1.36E-07	6.71E-08	2.46E-04	2.08E-04	7.549E-06	1.325E-07	6.933E-08	0.0002158
2793 490560.04, 3859510.04	0.10221	0.09192	0.08543	0.0698	0.10757	1.92E-04	8.064E-06	1.3854E-07	1.202E-07	2.00E-04	2.35E-04	9.88E-06	1.37E-07	6.73E-08	2.45E-04	2.08E-04	7.602E-06	1.328E-07	6.949E-08	0.0002153
2794 490610.04, 3859510.04	0.10194	0.09267	0.08604	0.07001	0.10777	1.92E-04	8.13E-06	1.3896E-07	1.204E-07	2.00E-04	2.35E-04	9.96E-06	1.37E-07	6.74E-08	2.45E-04	2.07E-04	7.664E-06	1.332E-07	6.962E-08	0.0002148
2795 490660.04, 3859510.04	0.10162	0.09344	0.08667	0.07025	0.10793	1.91E-04	8.197E-06	1.3943E-07	1.206E-07	1.99E-04	2.34E-04	1.00E-05	1.38E-07	6.75E-08	2.44E-04	2.06E-04	7.727E-06	1.336E-07	6.972E-08	0.0002143
2796 490710.04, 3859510.04	0.10128	0.09424	0.08733	0.07053	0.10801	1.90E-04	8.267E-06	1.3999E-07	1.207E-07	1.99E-04	2.33E-04	1.01E-05	1.38E-07	6.76E-08	2.44E-04	2.06E-04	7.794E-06	1.342E-07	6.977E-08	0.0002136

2797 490760.04, 3859510.04	0.10091	0.09501	0.08795	0.07082	0.10804	1.90E-04	8.335E-06	1.4056E-07	1.207E-07	1.98E-04	2.32E-04	1.02E-05	1.39E-07	6.76E-08	2.43E-04	2.05E-04	7.857E-06	1.347E-07	6.979E-08	0.0002129
2798 490810.04, 3859510.04	0.10058	0.09569	0.08849	0.07108	0.10816	1.89E-04	8.395E-06	1.4108E-07	1.208E-07	1.98E-04	2.32E-04	1.03E-05	1.39E-07	6.76E-08	2.42E-04	2.04E-04	7.913E-06	1.352E-07	6.987E-08	0.0002123
2799 490860.04, 3859510.04	0.10019	0.0964	0.08907	0.07141	0.10807	1.88E-04	8.457E-06	1.4174E-07	1.207E-07	1.97E-04	2.31E-04	1.04E-05	1.40E-07	6.76E-08	2.41E-04	2.03E-04	7.972E-06	1.358E-07	6.981E-08	0.0002116
2800 490360.04, 3859560.04	0.09813	0.08629	0.08062	0.06762	0.10293	1.84E-04	7.57E-06	1.3421E-07	1.15E-07	1.92E-04	2.26E-04	9.28E-06	1.32E-07	6.44E-08	2.35E-04	1.99E-04	7.136E-06	1.286E-07	6.649E-08	0.0002066
2801 490410.04, 3859560.04	0.09806	0.08653	0.08082	0.06753	0.103	1.84E-04	7.591E-06	1.3403E-07	1.151E-07	1.92E-04	2.26E-04	9.30E-06	1.32E-07	6.44E-08	2.35E-04	1.99E-04	7.156E-06	1.285E-07	6.653E-08	0.0002064
2802 490460.04, 3859560.04	0.09802	0.08688	0.08112	0.06752	0.10315	1.84E-04	7.622E-06	1.3401E-07	1.153E-07	1.92E-04	2.26E-04	9.34E-06	1.32E-07	6.45E-08	2.35E-04	1.99E-04	7.185E-06	1.284E-07	6.663E-08	0.0002064
2803 490510.04, 3859560.04	0.09807	0.08742	0.08158	0.06761	0.10299	1.84E-04	7.669E-06	1.3419E-07	1.151E-07	1.92E-04	2.26E-04	9.40E-06	1.32E-07	6.44E-08	2.35E-04	1.99E-04	7.23E-06	1.286E-07	6.653E-08	0.0002065
2804 490560.04, 3859560.04	0.09789	0.08787	0.08193	0.06764	0.10323	1.84E-04	7.709E-06	1.3425E-07	1.153E-07	1.92E-04	2.25E-04	9.45E-06	1.33E-07	6.46E-08	2.35E-04	1.99E-04	7.267E-06	1.287E-07	6.668E-08	0.0002062
2805 490610.04, 3859560.04	0.09774	0.0885	0.08245	0.06779	0.10343	1.84E-04	7.764E-06	1.3455E-07	1.156E-07	1.92E-04	2.25E-04	9.51E-06	1.33E-07	6.47E-08	2.35E-04	1.98E-04	7.319E-06	1.29E-07	6.681E-08	0.000206
2806 490660.04, 3859560.04	0.09755	0.08915	0.08299	0.06795	0.10365	1.83E-04	7.821E-06	1.3487E-07	1.158E-07	1.91E-04	2.25E-04	9.58E-06	1.33E-07	6.48E-08	2.34E-04	1.98E-04	7.373E-06	1.293E-07	6.695E-08	0.0002056
2807 490710.04, 3859560.04	0.09733	0.08988	0.08359	0.06817	0.10382	1.83E-04	7.885E-06	1.353E-07	1.16E-07	1.91E-04	2.24E-04	9.66E-06	1.34E-07	6.49E-08	2.34E-04	1.98E-04	7.433E-06	1.297E-07	6.706E-08	0.0002052
2808 490760.04, 3859560.04	0.09705	0.09071	0.08428	0.06846	0.10384	1.82E-04	7.958E-06	1.3588E-07	1.16E-07	1.91E-04	2.23E-04	9.75E-06	1.34E-07	6.49E-08	2.33E-04	1.97E-04	7.502E-06	1.302E-07	6.708E-08	0.0002047
2809 490810.04, 3859560.04	0.09676	0.09142	0.08486	0.06871	0.10394	1.82E-04	8.02E-06	1.3638E-07	1.161E-07	1.90E-04	2.23E-04	9.83E-06	1.35E-07	6.50E-08	2.33E-04	1.96E-04	7.56E-06	1.307E-07	6.714E-08	0.0002042
2810 490860.04, 3859560.04	0.09643	0.09215	0.08546	0.06899	0.10393	1.81E-04	8.084E-06	1.3693E-07	1.161E-07	1.90E-04	2.22E-04	9.91E-06	1.35E-07	6.50E-08	2.32E-04	1.96E-04	7.621E-06	1.312E-07	6.714E-08	0.0002036
2811 490187.25, 3859422.08	0.11297	0.09523	0.08847	0.07322	0.11472	2.12E-04	8.354E-06	1.4533E-07	1.282E-07	2.21E-04	2.60E-04	1.02E-05	1.43E-07	7.18E-08	2.71E-04	2.29E-04	7.875E-06	1.393E-07	7.411E-08	0.0002375
2812 490237.25, 3859422.08	0.11277	0.09561	0.0888	0.07317	0.11486	2.12E-04	8.388E-06	1.4523E-07	1.283E-07	2.21E-04	2.60E-04	1.03E-05	1.43E-07	7.18E-08	2.70E-04	2.29E-04	7.907E-06	1.392E-07	7.42E-08	0.0002371
2813 490287.25, 3859422.08	0.1125	0.09609	0.08919	0.07317	0.11466	2.11E-04	8.43E-06	1.4523E-07	1.281E-07	2.20E-04	2.59E-04	1.03E-05	1.43E-07	7.17E-08	2.70E-04	2.28E-04	7.947E-06	1.392E-07	7.407E-08	0.0002366
2814 490337.25, 3859422.08	0.11212	0.09673	0.08972	0.07327	0.1148	2.11E-04	8.486E-06	1.4543E-07	1.283E-07	2.19E-04	2.58E-04	1.04E-05	1.44E-07	7.18E-08	2.69E-04	2.28E-04	7.999E-06	1.394E-07	7.416E-08	0.0002359
2815 490187.25, 3859472.08	0.10733	0.09163	0.08532	0.07131	0.11019	2.02E-04	8.038E-06	1.4154E-07	1.231E-07	2.10E-04	2.47E-04	9.85E-06	1.40E-07	6.89E-08	2.57E-04	2.18E-04	7.578E-06	1.356E-07	7.118E-08	0.0002257
2816 490237.25, 3859472.08	0.10716	0.09179	0.08546	0.07115	0.11016	2.01E-04	8.052E-06	1.4122E-07	1.231E-07	2.10E-04	2.47E-04	9.87E-06	1.39E-07	6.89E-08	2.57E-04	2.18E-04	7.591E-06	1.353E-07	7.116E-08	0.0002254
2817 490287.25, 3859472.08	0.10708	0.09218	0.0858	0.07113	0.11023	2.01E-04	8.087E-06	1.4118E-07	1.232E-07	2.10E-04	2.47E-04	9.91E-06	1.39E-07	6.89E-08	2.57E-04	2.17E-04	7.623E-06	1.353E-07	7.121E-08	0.0002252
2818 490337.25, 3859472.08	0.1069	0.0925	0.08606	0.07106	0.11043	2.01E-04	8.115E-06	1.4104E-07	1.234E-07	2.09E-04	2.46E-04	9.94E-06	1.39E-07	6.91E-08	2.56E-04	2.17E-04	7.65E-06	1.352E-07	7.133E-08	0.0002249
2819 490297.07, 3859500.42	0.10406	0.09014	0.08401	0.06999	0.10775	1.96E-04	7.908E-06	1.3892E-07	1.204E-07	2.04E-04	2.40E-04	9.69E-06	1.37E-07	6.74E-08	2.50E-04	2.11E-04	7.454E-06	1.331E-07	6.96E-08	0.0002189
2820 490327.07, 3859500.42	0.10392	0.0902	0.08405	0.06988	0.10782	1.95E-04	7.913E-06	1.387E-07	1.205E-07	2.03E-04	2.39E-04	9.70E-06	1.37E-07	6.74E-08	2.49E-04	2.11E-04	7.459E-06	1.329E-07	6.965E-08	0.0002187
2821 490297.07, 3859530.42	0.101	0.08796	0.08209	0.0688	0.10528	1.90E-04	7.716E-06	1.3656E-07	1.176E-07	1.98E-04	2.33E-04	9.46E-06	1.35E-07	6.58E-08	2.42E-04	2.05E-04	7.274E-06	1.309E-07	6.801E-08	0.0002125
2822 490327.07, 3859530.42	0.10096	0.0881	0.08221	0.06874	0.10528	1.90E-04	7.729E-06	1.3644E-07	1.176E-07	1.98E-04	2.32E-04	9.47E-06	1.35E-07	6.58E-08	2.42E-04	2.05E-04	7.286E-06	1.308E-07	6.801E-08	0.0002125
2823 490319.73, 3859055.34	0.16264	0.1384	0.12454	0.09606	0.16274	3.06E-04	1.214E-05	1.9066E-07	1.818E-07	3.18E-04	3.75E-04	1.49E-05	1.88E-07	1.02E-07	3.90E-04	3.30E-04	1.145E-05	1.827E-07	1.051E-07	0.000342
2824 490319.73, 3859105.34	0.15447	0.13204	0.11924	0.0922	0.1549	2.90E-04	1.158E-05	1.83E-07	1.731E-07	3.02E-04	3.56E-04	1.42E-05	1.81E-07	9.69E-08	3.70E-04	3.14E-04	1.092E-05	1.754E-07	1.001E-07	0.0003248
2825 490069.73, 3859155.34	0.15379	0.12054	0.11009	0.08653	0.14716	2.89E-04	1.057E-05	1.7175E-07	1.644E-07	3.00E-04	3.54E-04	1.30E-05	1.70E-07	9.20E-08	3.67E-04	3.12E-04	9.969E-06	1.646E-07	9.506E-08	0.0003225
2826 490119.73, 3859155.34	0.15237	0.12138	0.11068	0.08672	0.14764	2.86E-04	1.065E-05	1.7212E-07	1.65E-07	2.97E-04	3.51E-04	1.30E-05	1.70E-07	9.23E-08	3.64E-04	3.09E-04	1.004E-05	1.65E-07	9.537E-08	0.0003197
2827 490269.73, 3859155.34	0.14829	0.12419	0.11273	0.08779	0.14839	2.79E-04	1.089E-05	1.7425E-07	1.658E-07	2.90E-04	3.41E-04	1.34E-05	1.72E-07	9.28E-08	3.55E-04	3.01E-04	1.027E-05	1.67E-07	9.586E-08	0.0003116
2828 490319.73, 3859155.34	0.1467	0.12557	0.11387	0.08849	0.14773	2.76E-04	1.102E-05	1.7564E-07	1.651E-07	2.87E-04	3.38E-04	1.35E-05	1.73E-07	9.24E-08	3.52E-04	2.98E-04	1.038E-05	1.683E-07	9.543E-08	0.0003085
2829 490069.73, 3859205.34	0.14492	0.11433	0.10489	0.08347	0.13972	2.72E-04	1.003E-05	1.6567E-07	1.561E-07	2.83E-04	3.34E-04	1.23E-05	1.64E-07	8.74E-08	3.46E-04	2.94E-04	9.455E-06	1.588E-07	9.025E-08	0.0003039
2830 490119.73, 3859205.34	0.1438	0.11479	0.10517	0.08342	0.1404	2.70E-04	1.007E-05	1.6557E-07	1.569E-07	2.81E-04	3.31E-04	1.23E-05	1.63E-07	8.78E-08	3.44E-04	2.92E-04	9.493E-06	1.587E-07	9.069E-08	0.0003017
2831 490169.73, 3859205.34	0.14273	0.11567	0.10582	0.08363	0.14084	2.68E-04	1.015E-05	1.6599E-07	1.574E-07	2.79E-04	3.29E-04	1.24E-05	1.64E-07	8.81E-08	3.41E-04	2.90E-04	9.566E-06	1.591E-07	9.098E-08	0.0002996
2832 490219.73, 3859205.34	0.14162	0.11694	0.10682	0.08408	0.14095	2.66E-04	1.026E-05	1.6688E-07	1.575E-07	2.77E-04	3.26E-04	1.26E-05	1.65E-07	8.82E-08	3.39E-04	2.88E-04	9.671E-06	1.599E-07	9.105E-08	0.0002975
2833 490269.73, 3859205.34	0.14033	0.11845	0.10806	0.0847	0.14062	2.64E-04	1.039E-05	1.6811E-07	1.571E-07	2.74E-04	3.23E-04	1.27E-05	1.66E-07	8.79E-08	3.36E-04	2.85E-04	9.796E-06	1.611E-07	9.084E-08	0.000295
2834 490319.73, 3859205.34	0.13915	0.11951	0.10889	0.08515	0.14054	2.61E-04	1.048E-05	1.6901E-07	1.57E-07	2.72E-04	3.20E-04	1.28E-05	1.67E-07	8.79E-08	3.34E-04	2.83E-04	9.883E-06	1.62E-07	9.078E-08	0.0002927
2835 490069.73, 3859255.34	0.13682	0.1091	0.10049	0.08091	0.13265	2.57E-04	9.571E-06	1.6059E-07	1.482E-07	2.67E-04	3.15E-04	1.17E-05	1.58E-07	8.30E-08	3.27E-04	2.78E-04	9.022E-06	1.539E-07	8.569E-08	0.0002871
2836 490119.73, 3859255.34	0.1359	0.10947	0.10073	0.08079	0.13321	2.55E-04	9.603E-06	1.6035E-07	1.488E-07	2.65E-04	3.13E-04	1.18E-05	1.58E-07	8.33E-08	3.25E-04	2.76E-04	9.053E-06	1.537E-07	8.605E-08	0.0002852
2837 490169.73, 3859255.34	0.13497	0.11016	0.10124	0.08087	0.13366	2.54E-04	9.664E-06	1.6051E-07	1.493E-07	2.64E-04	3.11E-04	1.18E-05	1.58E-07	8.36E-08	3.23E-04	2.74E-04	9.11E-06	1.538E-07	8.634E-08	0.0002834
2838 490219.73, 3859255.34	0.13411	0.11126	0.10212	0.0812	0.13386	2.52E-04	9.76E-06	1.6117E-07	1.496E-07	2.62E-04	3.09E-04	1.20E-05	1.59E-07	8.37E-08	3.21E-04	2.72E-04	9.201E-06	1.545E-07	8.647E-08	0.0002817
2839 490269.73, 3859255.34	0.13315	0.11248	0.10311	0.08162	0.13388	2.50E-04	9.868E-06	1.62E-07	1.496E-07	2.60E-04	3.07E-04	1.21E-05	1.60E-07	8.37E-08	3.19E-04	2.70E-04	9.302E-06	1.553E-07	8.648E-08	0.0002799
2840 490319.73, 3859255.34	0.13219	0.11354	0.10394	0.08199	0.13395	2.48E-04	9.961E-06	1.6274E-07	1.497E-07	2.59E-04	3.04E-04	1.22E-05	1.61E-07	8.38E-08	3.17E-04	2.68E-04	9.39E-06	1.56E-07	8.653E-08	0.000278
2841 490069.73, 3859305.34	0.1294	0.10444	0.09651	0.07861	0.12682	2.43E-04	9.162E-06	1.5603E-07	1.417E-07	2.53E-04	2.98E-04	1.12E-05	1.54E-07	7.93E-08	3.09E-04	2.63E-04	8.637E-06	1.495E-07	8.192E-08	0.0002716
2842 490119.73, 3859305.34	0.12865	0.10461	0.0966	0.07838	0.12719	2.42E-04	9.177E-06	1.5557E-07	1.421E-07	2.51E-04	2.96E-04	1.12E-05	1.54E-07	7.95E-08	3.08E-04	2.61E-04	8.651E-06	1.491E-07	8.216E-08	0.0002701
2843 490169.73, 3859305.34	0.12791	0.10511	0.09698	0.07835	0.12712	2.40E-04	9.221E-06	1.5551E-07	1.42E-07	2.50E-04	2.95E-04	1.13E-05	1.53E-07	7.95E-08	3.06E-04	2.60E-04	8.692E-06	1.49E-07	8.212E-08	0.0002686
2844 490219.73, 3859305.34	0.12719	0.10594	0.09765	0.07852	0.12737	2.39E-04	9.294E-06	1.5585E-07	1.423E-07	2.49E-04	2.93E-04	1.14E-05	1.54E-07	7.97E-08	3.05E-04	2.58E-04	8.761E-06	1.494E-07	8.228E-08	0.0002672
2845 490269.73, 3859305.34	0.12648	0.10689	0.09841	0.07877	0.12759	2.38E-04	9.377E-06	1.5634E-07	1.426E-07	2.47E-04	2.91E-04	1.15E-05	1.54E-07	7.98E-08	3.03E-04	2.57E-04	8.84E-06	1.498E-07	8.242E-08	0.0002659
2846 490319.73, 3859305.34	0.12569	0.10804	0.09936	0.07915	0.12758	2.36E-04	9.478E-06	1.571E-07	1.425E-07	2.46E-04	2.89E-04	1.16E-05	1.55E-07	7.98E-08	3.01E-04	2.55E-04	8.935E-06	1.506E-07	8.241E-08	0.0002644
2847 490069.73, 3859355.34	0.12231	0.10009	0.09274	0.07639	0.12123	2.30E-04	8.781E-06	1.5162E-07	1.355E-07	2.39E-04	2.82E-04	1.08E-05	1.50E-07	7.58E-08	2.93E-04	2.48E-04	8.277E-06	1.453E-07	7.831E-08	0.0002568
2848 490119.73, 3859355.34	0.12172	0.1001	0.09272	0.0761	0.12139	2.29E-04	8.781E-06	1.5104E-07	1.356E-07	2.38E-04	2.80E-04	1.08E-05	1.49E-07	7.59E-08	2.91E-04	2.47E-04	8.278E-06	1.448E-07	7.841E-08	0.0002556
2849 490169.73, 3859355.34	0.12128	0.10045	0.093	0.076	0.12164	2.28E-04	8.812E-06	1.5085E-07	1.359E-07	2.37E-04	2.79E-04	1.08E-05	1.49E-07	7.61E-08	2.90E-04	2.46E-04	8.307E-06	1.446E-07	7.858E-08	0.0002548
2850 490219.73, 3859355.34	0.12082	0.10112	0.09355	0.07609	0.12145	2.27E-04	8.871E-06	1.5102E-07	1.357E-07	2.36E-04	2.78E-04	1.09E-05	1.49E-07	7.60E-08	2.89E-04	2.45E-04	8.362E-06	1.447E-07	7.845E-08	0.0002539
2851 490269.73, 3859355.34	0.12027	0.10182	0.09411	0.0762	0.1217	2.26E-04	8.932E-06	1.5124E-07	1.36E-07	2.35E-04	2.77E-04	1.09E-05	1.49E-07	7.61E-08	2.88E-04	2.44E-04	8.42E-06	1.45E-07	7.861E-08	0.0002528
2852 490319.73, 3859355.34	0.11971	0.10274	0.09487	0.07644	0.12184	2.25E-04	9.013E-06	1.5172E-07	1.361E-07	2.34E-04	2.76E-04	1.10E-05	1.50E-07	7.62E-08	2.87E-04	2.43E-04	8.496E-06	1.454E-07	7.87E-08	0.0002518
2853 490069.73, 3859405.34	0.11572	0.09622	0.08935	0.07437	0.11633	2.17E-04	8.441E-06	1.4761E-07	1.3E-07	2.26E-04	2.66E-04	1.03E-05	1.46E-07	7.28E-08	2.77E-04	2.35E-04	7.957E-06	1.415E-07	7.515E-08	0.0002431
2854 490119.73, 3859405.34	0.11535	0.09617	0.0893	0.07406	0.11627	2.17E-04	8.437E-06	1.47E-07	1.299E-07	2.25E-04	2.66E-04	1.03E-05	1.45E-07	7.27E-08	2.76E-04	2.34E-04	7.953E-06	1.409E-07	7.511E-08	0.0002424
2855 490169.73, 3859405.34	0.11505	0.09641	0.0895	0.07392	0.11632	2.16E-04	8.458E-06	1.4672E-07	1.3E-07	2.25E-04	2.65E-04	1.04E-05	1.45E-07	7.28E-08	2.76E-04	2.34E-04	7.973E-06	1.406E-07	7.514E-08	0.0002418
2856 490219.73, 3859405.34	0.11479	0.09677	0.08981	0.07386	0.11649	2.16E-04	8.489E-06	1.466E-07	1.302E-07	2.24E-04	2.64E-04	1.04E-05	1.45E-07	7.29E-08	2.75E-04	2.33E-04	8.003E-06	1.405E-07	7.525E-08	0.0002413
2857 490269.73, 3859405.34	0.11449	0.09736	0.0903	0.07392	0.11625	2.15E-04	8.541E-06	1.4672E-07	1.299E-07	2.24E-04	2.64E-04	1.05E-05	1.45E-07	7.27E-08	2.74E-04	2.32E-04	8.052E-06	1.406E-07	7.509E-08	0.0002407
2858 490319.73, 3859405.34	0.11407	0.09805	0.09087	0.07404	0.11639	2.14E-04	8.602E-06	1.4696E-07	1.3E-07	2.23E-04	2.63E-04	1.05E-05	1.45E-07	7.28E-08	2.73E-04	2.32E-04	8.109E-06	1.408E-07	7.518E-08	0.0002399
2859 490161.89, 3859541.83	0.10003	0.08732	0.08152	0.06907	0.10501	1.88E-04	7.66E-06	1.3709E-07	1.173E-07	1.96E-04	2.30E-04	9.39E-06	1.35E-07	6.57E-08	2.40E-04	2.03E-04	7.221E-06	1.314E-07	6.783E-08	0.0002105
2860 490171.89, 3859541.83	0.10003	0.08731	0.08151	0.06902	0.10493	1.88E-04	7.659E-06	1.3699E-07	1.172E-07	1.96E-04	2.30E-04	9.39E-06	1.35E-07	6.56E-08	2.40E-04	2.03E-04	7.22E-06	1.313E-07	6.778E-08	0.0002105
2861 490161.89, 3859551.83	0.09904	0.08679	0.08105	0.06877	0.10434	1.86E-04	7.614E-06	1.365E-07	1.166E-07	1.94E-04	2.28E-04	9.33E-06	1.35E-07	6.53E-08	2.38E-04	2.01E-04	7.177E-06	1.308E-07	6.74E-08	0.0002085
2862 490171.89, 3859551.83	0.09904	0.08676	0.08102	0.06871	0.10425	1.86E-04	7.611E-06	1.3638E-07	1.165E-07	1.94E-04	2.28E-04	9.33E-06	1.35E-07	6.52E-08	2.38E-04	2.01E-04	7.175E-06	1.307E-07	6.734E-08	0.0002085
2863 489799.72, 3859348.21	0.12552	0.10184	0.09423	0.07897	0.12382	2.36E-04	8.934E-06	1.5674E-07	1.383E-07	2.45E-04	2.89E-04	1.09E-05	1.55E-07	7.74E-08	3.00E-04	2.55E-04	8.422E-06	1.502E-07	7.998E-08	0.0002635
2864 489819.72, 3859348.21	0.12543	0.10163	0.09405	0.07874	0.1235	2.36E-04	8.916E-06	1.5628E-07	1.38E-07	2.45E-04	2.89E-04	1.09E-05	1.54E-07	7.72E-08	3.00E-04	2.55E-04	8.405E-06	1.498E-07	7.978E-08	0.0002633
2865 489799.72, 3859368.21	0.12236	0.10055	0.0931	0.07827	0.12222	2.30E-04	8.821E-06	1.5535E-07	1.366E-07	2.39E-04	2.82E-04	1.08E-05	1.53E-07	7.64E-08	2.93E-04	2.48E-04	8.315E-06	1.489E-07	7.895E-08	0.000257
2866 489819.72, 3859368.21	0.12233	0.10039	0.09297	0.07808	0.12187	2.30E-04	8.807E-06	1.5497E-07	1.362E-07	2.39E-04	2.82E-04	1.08E-05	1.53E-07	7.62E-08	2.93E-04	2.48E-04	8.302E-06	1.485E-07	7.872E-08	0.0002569
2867 489775.41, 3859329.72	0.12864	0.10319	0.0954	0.07983	0.12578	2.42E-04	9.053E-06	1.5845E-07	1.405E-07	2.51E-04	2.96E-04	1.11E-05	1.56E-07	7.87E-08	3.08E-04	2.61E-04	8.534E-06	1.519E-07	8.125E-08	0.00027
2868 489795.41, 3859329.72	0.12853	0.103	0.09524	0.07961	0.12546	2.42E-04	9.036E-06	1.5801E-07	1.402E-07	2.51E-04	2.96E-04	1.11E-05	1.56E-07	7.85E-08	3.07E-04	2.61E-04	8.518E-06	1.514E-07	8.104E-08	0.0002697
2869 489775.41, 3859349.72	0.12535	0.10195	0.09431	0.07917	0.12412	2.36E-04	8.944E-06	1.5714E-07	1.387E-07	2.45E-04	2.89E-04	1.10E-05	1.55E-07	7.76E-08	3.00E-04	2.55E-04	8.431E-06	1.506E-07	8.018E-08	0.0002632
2870 489795.41, 3859349.72	0.1253	0.10179	0.09418	0.07897	0.12377	2.35E-04	8.93E-06	1.5674E-07	1.383E-07	2.45E-04	2.89E-04	1.09E-05	1.55E-07	7.74E-08	3.00E-04	2.54E-04	8.418E-06	1.502E-07	7.995E-08	0.0002631
2871 489595.05, 3859219.43	0.1524	0.11268	0.10362	0.08598	0.1394	2.86E-04	9.885E-06	1.7065E-07	1.558E-07	2.97E-04	3.51E-04	1.21E-05	1.68E-07	8.72E-08	3.63E-04	3.09E-04	9.318E-06	1.636E-07	9.005E-08	0.000319
2872 489615.05, 3859219.43	0.15218	0.11254	0.10351	0.08578	0.13898	2.86E-04	9.873E-06	1.7026E-07	1.553E-07	2.96E-04	3.50E-04	1.21E-05	1.68E-07	8.69E-08	3.63E-04	3.09E-04	9.307E-06	1.632E-07	8.978E-08	0.0003185
2873 489595.05, 3859239.43	0.14757	0.11119	0.10232	0.08518	0.13744	2.77E-04	9.754E-06	1.6907E-07	1.536E-07	2.87E-04	3.40E-04	1.20E-05	1.67E-07	8.60E-08	3.52E-04	3.00E-04	9.195E-06	1.62E-07	8.878E-08	0.0003091
2874 489615.05, 3859239.43	0.14745	0.11106	0.10221	0.085	0.13699	2.77E-04	9.743E-06	1.6871E-07	1.531E-07	2.87E-04	3.40E-04	1.19E-05	1.67E-07	8.57E-08	3.52E-04	2.99E-04	9.185E-06	1.617E-07	8.849E-08	0.0003088
2875 489372.4, 3859092.58	0.1998	0.12548	0.11463	0.0941	0.15904	3.75E-04	1.101E-05	1.8677E-07	1.777E-07	3.87E-04	4.60E-04	1.35E-05	1.84E-07	9.95E-08	4.74E-04	4.06E-04	1.038E-05	1.79E-07	1.027E-07	0.0004163
2876 489422.4, 3859092.58	0.19769	0.12489	0.11416	0.09347	0.15774	3.71E-04	1.096E-05	1.8552E-07	1.762E-07	3.83E-04	4.55E-04	1.34E-05	1.83E-07	9.87E-08	4.69E-04	4.01E-04	1.033E-05	1.778E-07	1.019E-07	0.000412

2877 489372.4, 3859142.58	0.17832	0.12127	0.11098	0.09184	0.15314	3.35E-04	1.064E-05	1.8229E-07	1.711E-07	3.46E-04	4.11E-04	1.30E-05	1.80E-07	9.58E-08	4.24E-04	3.62E-04	1.003E-05	1.747E-07	9.892E-08	0.0003724
2878 489422.4, 3859142.58	0.17777	0.12061	0.11043	0.09123	0.15174	3.34E-04	1.058E-05	1.8107E-07	1.695E-07	3.45E-04	4.09E-04	1.30E-05	1.79E-07	9.49E-08	4.23E-04	3.61E-04	9.974E-06	1.735E-07	9.802E-08	0.0003712
2879 488870.84, 3858666.64	0.78293	0.18689	0.16792	0.12791	0.27068	1.47E-03	1.64E-05	2.5388E-07	3.024E-07	1.49E-03	1.80E-03	2.01E-05	2.51E-07	1.69E-07	1.82E-03	1.59E-03	1.546E-05	2.433E-07	1.749E-07	0.0016055
2880 488900.84, 3858666.64	0.7351	0.18663	0.16777	0.12744	0.26985	1.38E-03	1.637E-05	2.5294E-07	3.015E-07	1.40E-03	1.69E-03	2.01E-05	2.50E-07	1.69E-07	1.71E-03	1.49E-03	1.543E-05	2.424E-07	1.743E-07	0.0015084
2881 488870.84, 3858696.64	0.8498	0.18128	0.1629	0.12534	0.25933	1.60E-03	1.59E-05	2.4878E-07	2.898E-07	1.61E-03	1.96E-03	1.95E-05	2.46E-07	1.62E-07	1.98E-03	1.73E-03	1.499E-05	2.384E-07	1.675E-07	0.0017408
2882 488900.84, 3858696.64	0.79065	0.18096	0.16269	0.12492	0.25832	1.49E-03	1.588E-05	2.4794E-07	2.886E-07	1.50E-03	1.82E-03	1.95E-05	2.45E-07	1.62E-07	1.84E-03	1.61E-03	1.497E-05	2.376E-07	1.669E-07	0.0016207
2883 488889.67, 3858683.97	0.78467	0.18346	0.16489	0.12617	0.26335	1.47E-03	1.609E-05	2.5042E-07	2.942E-07	1.49E-03	1.81E-03	1.97E-05	2.47E-07	1.65E-07	1.83E-03	1.59E-03	1.517E-05	2.4E-07	1.701E-07	0.0016088
2884 488919.67, 3858683.97	0.7361	0.18309	0.16465	0.12566	0.26251	1.38E-03	1.606E-05	2.4941E-07	2.933E-07	1.40E-03	1.70E-03	1.97E-05	2.46E-07	1.64E-07	1.72E-03	1.49E-03	1.514E-05	2.39E-07	1.696E-07	0.0015101
2885 488889.67, 3858713.97	0.85223	0.17804	0.16006	0.12366	0.25265	1.60E-03	1.562E-05	2.4544E-07	2.823E-07	1.62E-03	1.96E-03	1.91E-05	2.42E-07	1.58E-07	1.98E-03	1.73E-03	1.472E-05	2.352E-07	1.632E-07	0.0017455
2886 488919.67, 3858713.97	0.79173	0.1777	0.15982	0.12323	0.25164	1.49E-03	1.559E-05	2.4459E-07	2.812E-07	1.50E-03	1.82E-03	1.91E-05	2.41E-07	1.57E-07	1.84E-03	1.61E-03	1.47E-05	2.344E-07	1.626E-07	0.0016226
2887 488906.61, 3858703.33	0.79399	0.17968	0.16156	0.12427	0.25575	1.49E-03	1.576E-05	2.4665E-07	2.858E-07	1.51E-03	1.83E-03	1.93E-05	2.43E-07	1.60E-07	1.85E-03	1.61E-03	1.486E-05	2.364E-07	1.652E-07	0.0016274
2888 488936.61, 3858703.33	0.74258	0.17946	0.16143	0.12385	0.25485	1.40E-03	1.574E-05	2.4582E-07	2.847E-07	1.41E-03	1.71E-03	1.93E-05	2.43E-07	1.59E-07	1.73E-03	1.51E-03	1.484E-05	2.356E-07	1.646E-07	0.001523
2889 488906.61, 3858733.33	0.86266	0.17478	0.15719	0.122	0.24571	1.62E-03	1.533E-05	2.4215E-07	2.745E-07	1.64E-03	1.99E-03	1.88E-05	2.39E-07	1.54E-07	2.01E-03	1.75E-03	1.445E-05	2.321E-07	1.587E-07	0.0017664
2890 488936.61, 3858733.33	0.79925	0.17434	0.15686	0.12152	0.24468	1.50E-03	1.529E-05	2.4119E-07	2.734E-07	1.52E-03	1.84E-03	1.87E-05	2.38E-07	1.53E-07	1.86E-03	1.62E-03	1.442E-05	2.312E-07	1.581E-07	0.0016376
2891 488637.63, 3858467.85	0.77837	0.23699	0.21332	0.15221	0.39794	1.46E-03	2.079E-05	3.0211E-07	4.446E-07	1.48E-03	1.79E-03	2.55E-05	2.98E-07	2.49E-07	1.82E-03	1.58E-03	1.96E-05	2.895E-07	2.571E-07	0.0016005
2892 488662.63, 3858467.85	0.74468	0.23664	0.2131	0.15162	0.39707	1.40E-03	2.076E-05	3.0094E-07	4.437E-07	1.42E-03	1.71E-03	2.54E-05	2.97E-07	2.48E-07	1.74E-03	1.51E-03	1.957E-05	2.884E-07	2.565E-07	0.0015321
2893 488637.63, 3858492.85	0.82612	0.22954	0.20631	0.14914	0.37689	1.55E-03	2.014E-05	2.9602E-07	4.211E-07	1.57E-03	1.90E-03	2.47E-05	2.92E-07	2.36E-07	1.93E-03	1.68E-03	1.898E-05	2.837E-07	2.435E-07	0.0016968
2894 488662.63, 3858492.85	0.78631	0.22921	0.20611	0.14864	0.37601	1.48E-03	2.011E-05	2.9502E-07	4.201E-07	1.50E-03	1.81E-03	2.46E-05	2.91E-07	2.35E-07	1.84E-03	1.60E-03	1.896E-05	2.828E-07	2.429E-07	0.001616
2895 488687.63, 3858492.85	0.75073	0.22913	0.20611	0.14823	0.37515	1.41E-03	2.01E-05	2.9421E-07	4.192E-07	1.43E-03	1.73E-03	2.46E-05	2.90E-07	2.35E-07	1.75E-03	1.52E-03	1.895E-05	2.82E-07	2.423E-07	0.0015437
2896 488637.63, 3858517.85	0.8843	0.22245	0.19971	0.14607	0.35814	1.66E-03	1.951E-05	2.8992E-07	4.002E-07	1.68E-03	2.04E-03	2.39E-05	2.86E-07	2.24E-07	2.06E-03	1.80E-03	1.84E-05	2.779E-07	2.313E-07	0.0018144
2897 488662.63, 3858517.85	0.83652	0.22218	0.19956	0.14568	0.35721	1.57E-03	1.949E-05	2.8915E-07	3.991E-07	1.59E-03	1.93E-03	2.39E-05	2.85E-07	2.23E-07	1.95E-03	1.70E-03	1.837E-05	2.771E-07	2.307E-07	0.0017173
2898 488687.63, 3858517.85	0.79473	0.22189	0.19939	0.14523	0.35636	1.49E-03	1.947E-05	2.8825E-07	3.982E-07	1.51E-03	1.83E-03	2.39E-05	2.84E-07	2.23E-07	1.85E-03	1.61E-03	1.835E-05	2.763E-07	2.302E-07	0.0016325
2899 488194.42, 3857168.98	0.80174	2.21703	1.13006	0.98595	1.14079	1.51E-03	0.0001945	1.9569E-06	1.275E-06	1.70E-03	1.85E-03	2.38E-04	1.93E-06	7.13E-07	2.09E-03	1.63E-03	0.0001833	1.876E-06	7.369E-07	0.0018138
2900 488244.42, 3857168.98	0.77567	2.08025	1.08606	0.94478	1.12947	1.46E-03	0.0001825	1.8752E-06	1.262E-06	1.64E-03	1.79E-03	2.24E-04	1.85E-06	7.06E-07	2.01E-03	1.57E-03	0.000172	1.797E-06	7.296E-07	0.0017495
2901 488294.42, 3857168.98	0.75223	1.96141	1.04793	0.9083	1.10992	1.41E-03	0.0001721	1.8028E-06	1.24E-06	1.59E-03	1.73E-03	2.11E-04	1.78E-06	6.94E-07	1.95E-03	1.53E-03	0.0001622	1.728E-06	7.17E-07	0.001692
2902 488244.42, 3857218.98	0.78217	2.22156	1.11732	0.92752	1.16578	1.47E-03	0.0001949	1.841E-06	1.303E-06	1.67E-03	1.80E-03	2.39E-04	1.82E-06	7.29E-07	2.04E-03	1.59E-03	0.0001837	1.764E-06	7.531E-07	0.0017743
2903 488294.42, 3857218.98	0.75778	2.07998	1.0752	0.89098	1.14772	1.42E-03	0.0001825	1.7684E-06	1.282E-06	1.61E-03	1.75E-03	2.24E-04	1.75E-06	7.18E-07	1.97E-03	1.54E-03	0.000172	1.695E-06	7.414E-07	0.001713
2904 488294.42, 3857268.98	0.76429	2.15637	1.10184	0.87241	1.19143	1.44E-03	0.0001892	1.7316E-06	1.331E-06	1.63E-03	1.76E-03	2.32E-04	1.71E-06	7.45E-07	1.99E-03	1.55E-03	0.0001783	1.66E-06	7.696E-07	0.0017326
2905 488139.13, 3857111.68	0.82458	2.11134	1.13822	1.0536	1.11675	1.55E-03	0.0001852	2.0912E-06	1.248E-06	1.74E-03	1.90E-03	2.27E-04	2.06E-06	6.98E-07	2.13E-03	1.67E-03	0.0001746	2.004E-06	7.214E-07	0.0018515
2906 488189.13, 3857111.68	0.79702	1.99376	1.09342	1.00741	1.11014	1.50E-03	0.0001749	1.9995E-06	1.24E-06	1.68E-03	1.84E-03	2.14E-04	1.97E-06	6.94E-07	2.05E-03	1.62E-03	0.0001649	1.916E-06	7.171E-07	0.0017858
2907 488189.13, 3857161.68	0.80346	2.20343	1.1294	0.99275	1.13791	1.51E-03	0.0001933	1.9704E-06	1.271E-06	1.71E-03	1.85E-03	2.37E-04	1.94E-06	7.12E-07	2.09E-03	1.63E-03	0.0001822	1.888E-06	7.351E-07	0.0018162
2908 487951.04, 3856961.26	0.92813	1.49914	1.18476	1.27602	1.07754	1.74E-03	0.0001315	2.5327E-06	1.204E-06	1.88E-03	2.14E-03	1.61E-04	2.50E-06	6.74E-07	2.30E-03	1.88E-03	0.000124	2.427E-06	6.961E-07	0.0020116
2909 488001.04, 3856961.26	0.8949	1.47409	1.14397	1.21965	1.05918	1.68E-03	0.0001293	2.4208E-06	1.183E-06	1.81E-03	2.06E-03	1.58E-04	2.39E-06	6.62E-07	2.22E-03	1.82E-03	0.0001219	2.32E-06	6.842E-07	0.0019419
2910 488051.04, 3856961.26	0.86556	1.45176	1.10935	1.17011	1.03181	1.63E-03	0.0001274	2.3225E-06	1.153E-06	1.76E-03	1.99E-03	1.56E-04	2.29E-06	6.45E-07	2.15E-03	1.76E-03	0.0001201	2.226E-06	6.665E-07	0.0018804
2911 488101.04, 3856961.26	0.83435	1.41407	1.06766	1.11778	1.03012	1.57E-03	0.0001241	2.2186E-06	1.151E-06	1.70E-03	1.92E-03	1.52E-04	2.19E-06	6.44E-07	2.08E-03	1.69E-03	0.0001169	2.126E-06	6.654E-07	0.0018138
2912 487951.04, 3857011.26	0.92869	1.81196	1.21972	1.27174	1.12755	1.75E-03	0.000159	2.5242E-06	1.26E-06	1.91E-03	2.14E-03	1.95E-04	2.49E-06	7.05E-07	2.34E-03	1.89E-03	0.0001498	2.419E-06	7.284E-07	0.0020386
2913 488001.04, 3857011.26	0.89773	1.76889	1.18112	1.21719	1.09423	1.69E-03	0.0001552	2.4159E-06	1.223E-06	1.85E-03	2.07E-03	1.90E-04	2.38E-06	6.84E-07	2.26E-03	1.82E-03	0.0001463	2.315E-06	7.068E-07	0.001972
2914 488051.04, 3857011.26	0.86834	1.72219	1.14362	1.1662	1.06622	1.63E-03	0.0001511	2.3147E-06	1.191E-06	1.79E-03	2.00E-03	1.85E-04	2.28E-06	6.67E-07	2.19E-03	1.76E-03	0.0001424	2.218E-06	6.887E-07	0.0019084
2915 488101.04, 3857011.26	0.83738	1.65956	1.0993	1.11298	1.06346	1.57E-03	0.0001456	2.2091E-06	1.188E-06	1.72E-03	1.93E-03	1.78E-04	2.18E-06	6.65E-07	2.11E-03	1.70E-03	0.0001372	2.117E-06	6.87E-07	0.0018402
2916 488001.04, 3857061.26	0.89973	2.09187	1.21828	1.2064	1.13728	1.69E-03	0.0001835	2.3945E-06	1.271E-06	1.88E-03	2.07E-03	2.25E-04	2.36E-06	7.11E-07	2.30E-03	1.83E-03	0.000173	2.295E-06	7.346E-07	0.0020028
2917 488051.04, 3857061.26	0.86945	2.00726	1.17459	1.15275	1.11613	1.63E-03	0.0001761	2.288E-06	1.247E-06	1.81E-03	2.00E-03	2.16E-04	2.26E-06	6.98E-07	2.22E-03	1.77E-03	0.000166	2.193E-06	7.21E-07	0.0019342
2918 488101.04, 3857061.26	0.84013	1.92097	1.13167	1.10201	1.10114	1.58E-03	0.0001685	2.1873E-06	1.23E-06	1.75E-03	1.93E-03	2.07E-04	2.16E-06	6.89E-07	2.14E-03	1.71E-03	0.0001589	2.096E-06	7.113E-07	0.0018675
2919 487638.98, 3856673.79	1.0966	0.43016	1.22421	1.4823	0.9455	2.06E-03	3.774E-05	2.9421E-06	1.056E-06	2.10E-03	2.53E-03	4.62E-05	2.90E-06	5.91E-07	2.58E-03	2.23E-03	3.557E-05	2.82E-06	6.108E-07	0.0022655
2920 487688.98, 3856673.79	1.05517	0.44355	1.18285	1.42572	0.93019	1.98E-03	3.891E-05	2.8298E-06	1.039E-06	2.03E-03	2.43E-03	4.77E-05	2.79E-06	5.82E-07	2.48E-03	2.14E-03	3.668E-05	2.712E-06	6.009E-07	0.0021824
2921 487638.98, 3856723.79	1.12881	0.49844	1.26684	1.53446	0.99143	2.12E-03	4.373E-05	3.0456E-06	1.108E-06	2.17E-03	2.60E-03	5.36E-05	3.01E-06	6.20E-07	2.66E-03	2.29E-03	4.122E-05	2.919E-06	6.404E-07	0.0023367
2922 487688.98, 3856723.79	1.08355	0.51744	1.22267	1.4726	0.97285	2.04E-03	4.539E-05	2.9228E-06	1.087E-06	2.09E-03	2.50E-03	5.56E-05	2.88E-06	6.08E-07	2.55E-03	2.20E-03	4.279E-05	2.801E-06	6.284E-07	0.0022462
2923 486324.61, 3855740.57	1.17471	0.43693	1.29562	1.53821	0.72017	2.21E-03	3.833E-05	3.0531E-06	8.047E-07	2.25E-03	2.71E-03	4.70E-05	3.01E-06	4.50E-07	2.76E-03	2.39E-03	3.613E-05	2.926E-06	4.652E-07	0.0024246
2924 486374.61, 3855740.57	1.09659	0.42274	1.21394	1.43256	0.67595	2.06E-03	3.709E-05	2.8434E-06	7.552E-07	2.10E-03	2.53E-03	4.54E-05	2.81E-06	4.23E-07	2.57E-03	2.23E-03	3.496E-05	2.725E-06	4.366E-07	0.0022646
2925 486424.61, 3855740.57	1.04813	0.41325	1.16158	1.36736	0.6479	1.97E-03	3.625E-05	2.714E-06	7.239E-07	2.01E-03	2.41E-03	4.44E-05	2.68E-06	4.05E-07	2.46E-03	2.13E-03	3.418E-05	2.601E-06	4.185E-07	0.0021653
2926 486324.61, 3855790.57	1.23687	0.4152	1.36955	1.6284	0.76816	2.32E-03	3.642E-05	3.2321E-06	8.583E-07	2.36E-03	2.85E-03	4.46E-05	3.19E-06	4.80E-07	2.90E-03	2.51E-03	3.434E-05	3.098E-06	4.962E-07	0.0025492
2927 486374.61, 3855790.57	1.15649	0.40307	1.28586	1.51984	0.7226	2.17E-03	3.536E-05	3.0166E-06	8.074E-07	2.21E-03	2.66E-03	4.33E-05	2.98E-06	4.52E-07	2.71E-03	2.35E-03	3.333E-05	2.891E-06	4.668E-07	0.0023848
2928 486424.61, 3855790.57	1.1136	0.39618	1.23852	1.46232	0.69696	2.09E-03	3.476E-05	2.9024E-06	7.787E-07	2.13E-03	2.56E-03	4.26E-05	2.86E-06	4.36E-07	2.61E-03	2.26E-03	3.276E-05	2.782E-06	4.502E-07	0.002297
2929 486324.61, 3855840.57	1.30364	0.39596	1.44778	1.72402	0.81749	2.45E-03	3.474E-05	3.4219E-06	9.134E-07	2.49E-03	3.00E-03	4.26E-05	3.38E-06	5.11E-07	3.05E-03	2.65E-03	3.275E-05	3.28E-06	5.281E-07	0.0026834
2930 486374.61, 3855840.57	1.24599	0.38931	1.38525	1.64682	0.78362	2.34E-03	3.415E-05	3.2686E-06	8.755E-07	2.38E-03	2.87E-03	4.19E-05	3.23E-06	4.90E-07	2.91E-03	2.53E-03	3.22E-05	3.133E-06	5.062E-07	0.0025657
2931 486424.61, 3855840.57	1.18561	0.38122	1.32065	1.56572	0.74846	2.23E-03	3.344E-05	3.1077E-06	8.363E-07	2.27E-03	2.73E-03	4.10E-05	3.07E-06	4.68E-07	2.77E-03	2.41E-03	3.153E-05	2.978E-06	4.835E-07	0.0024422
2932 486324.61, 3855890.57	1.41189	0.38271	1.56187	1.87519	0.88697	2.65E-03	3.357E-05	3.7219E-06	9.91E-07	2.69E-03	3.25E-03	4.11E-05	3.67E-06	5.55E-07	3.30E-03	2.87E-03	3.165E-05	3.567E-06	5.73E-07	0.0029025
2933 486374.61, 3855890.57	1.34039	0.3763	1.48626	1.77926	0.84575	2.52E-03	3.301E-05	3.5315E-06	9.45E-07	2.56E-03	3.09E-03	4.05E-05	3.49E-06	5.29E-07	3.13E-03	2.72E-03	3.112E-05	3.385E-06	5.463E-07	0.0027566
2934 486424.61, 3855890.57	1.26825	0.36853	1.41099	1.68247	0.80425	2.38E-03	3.233E-05	3.3394E-06	8.986E-07	2.42E-03	2.92E-03	3.96E-05	3.30E-06	5.03E-07	2.96E-03	2.58E-03	3.048E-05	3.2E-06	5.195E-07	0.0026092
2935 488735.69, 3858285.64	0.54615	0.31841	0.28673	0.17979	0.62329	1.03E-03	2.793E-05	3.5685E-07	6.964E-07	1.06E-03	1.26E-03	3.42E-05	3.52E-07	3.90E-07	1.29E-03	1.11E-03	2.633E-05	3.42E-07	4.026E-07	0.001136
2936 488765.69, 3858285.64	0.53273	0.31945	0.28676	0.18001	0.61578	1.00E-03	2.802E-05	3.5729E-07	6.88E-07	1.03E-03	1.23E-03	3.43E-05	3.53E-07	3.85E-07	1.26E-03	1.08E-03	2.642E-05	3.424E-07	3.978E-07	0.0011088
2937 488735.69, 3858315.64	0.55744	0.30189	0.27202	0.17358	0.57591	1.05E-03	2.648E-05	3.4452E-07	6.435E-07	1.08E-03	1.28E-03	3.25E-05	3.40E-07	3.60E-07	1.32E-03	1.13E-03	2.497E-05	3.302E-07	3.72E-07	0.0011575
2938 488765.69, 3858315.64	0.54272	0.30308	0.2723	0.17366	0.57049	1.02E-03	2.659E-05	3.4468E-07	6.374E-07	1.05E-03	1.25E-03	3.26E-05	3.40E-07	3.57E-07	1.28E-03	1.10E-03	2.506E-05	3.303E-07	3.685E-07	0.0011277
2939 478676.63, 3849871.93	0.01332	0.01204	0.01115	0.01213	0.0081	2.50E-05	1.056E-06	2.4076E-08	9.05E-09	2.61E-05	3.07E-05	1.29E-06	2.38E-08	5.07E-09	3.20E-05	2.70E-05	9.957E-07	2.307E-08	5.232E-09	2.807E-05
2940 479326.63, 3849871.93	0.01631	0.01631	0.01536	0.01604	0.01033	3.06E-05	1.431E-06	3.1836E-08	1.154E-08	3.21E-05	3.76E-05	1.75E-06	3.14E-08	6.46E-09	3.94E-05	3.31E-05	1.349E-06	3.051E-08	6.673E-09	3.45E-05
2941 479376.63, 3849871.93	0.01647	0.01651	0.01561	0.01634	0.01055	3.10E-05	1.448E-06	3.2432E-08	1.179E-08	3.24E-05	3.79E-05	1.77E-06	3.20E-08	6.60E-09	3.97E-05	3.34E-05	1.365E-06	3.108E-08	6.815E-09	3.484E-05
2942 479426.63, 3849871.93	0.01666	0.01671	0.01587	0.01664	0.01083	3.13E-05	1.466E-06	3.3027E-08	1.21E-08	3.28E-05	3.84E-05	1.80E-06	3.26E-08	6.77E-09	4.02E-05	3.38E-05	1.382E-06	3.165E-08	6.996E-09	3.525E-05
2943 478726.63, 3849921.93	0.01356	0.01221	0.01131	0.01235	0.00823	2.55E-05	1.071E-06	2.4512E-08	9.195E-09	2.66E-05	3.12E-05	1.31E-06	2.42E-08	5.15E-09	3.26E-05	2.75E-05	1.01E-06	2.349E-08	5.316E-09	2.857E-05
2944 478776.63, 3849921.93	0.0138	0.01253	0.01158	0.01257	0.00836	2.59E-05	1.099E-06	2.4949E-08	9.341E-09	2.71E-05	3.18E-05	1.35E-06	2.46E-08	5.23E-09	3.32E-05	2.80E-05	1.036E-06	2.391E-08	5.4E-09	2.908E-05
2945 478826.63, 3849921.93	0.01404	0.01287	0.01187	0.01278	0.00848	2.64E-05	1.129E-06	2.5366E-08	9.475E-09	2.75E-05	3.23E-05	1.38E-06	2.50E-08	5.30E-09	3.37E-05	2.85E-05	1.064E-06	2.431E-08	5.478E-09	2.96E-05
2946 478976.63, 3849921.93	0.01478	0.01398	0.01285	0.01359	0.00893	2.78E-05	1.226E-06	2.6974E-08	9.978E-09	2.90E-05	3.40E-05	1.50E-06	2.66E-08	5.59E-09	3.56E-05	3.00E-05	1.156E-06	2.585E-08	5.768E-09	3.12E-05
2947 479026.63, 3849921.93	0.01513	0.01439	0.01324	0.01398	0.00922	2.84E-05	1.262E-06	2.7748E-08	1.03E-08	2.97E-05	3.48E-05	1.55E-06	2.74E-08	5.77E-09	3.64E-05	3.07E-05	1.19E-06	2.659E-08	5.956E-09	3.194E-05
2948 479076.63, 3849921.93	0.01541	0.01478	0.01362	0.01434	0.00945	2.90E-05	1.297E-06	2.8462E-08	1.056E-08	3.03E-05	3.55E-05	1.59E-06	2.81E-08	5.91E-09	3.71E-05	3.13E-05	1.222E-06	2.728E-08	6.104E-09	3.254E-05
2949 479126.63, 3849921.93	0.01567	0.01516	0.01398	0.01469	0.00968	2.94E-05	1.33E-06	2.9157E-08	1.082E-08	3.08E-05	3.61E-05	1.63E-06	2.88E-08	6.05E-09	3.77E-05	3.18E-05	1.254E-06	2.794E-08	6.253E-09	3.31E-05
2950 479176.63, 3849921.93	0.01597	0.01553	0.01436	0.01508	0.00999	3.00E-05	1.362E-06	2.9931E-08	1.116E-08	3.14E-05	3.68E-05	1.67E-06	2.95E-08	6.25E-09	3.85E-05	3.24E-05	1.284E-06	2.869E-08	6.453E-09	3.374E-05
2951 479226.63, 3849921.93	0.01612	0.01584	0.01469	0.01537	0.01006	3.03E-05	1.39E-06	3.0507E-08	1.124E-08	3.17E-05	3.71E-05	1.70E-06	3.01E-08	6.29E-09	3.89E-05	3.27E-05	1.31E-06	2.924E-08	6.498E-09	3.408E-05
2952 479276.63, 3849921.93	0.01612	0.01604	0.01494	0.01557	0.00995	3.03E-05	1.407E-06	3.0904E-08	1.112E-08	3.17E-05	3.71E-05	1.72E-06	3.05E-08	6.22E-09	3.89E-05	3.27E-05	1.326E-06	2.962E-08	6.427E-09	3.409E-05
2953 479326.63, 3849921.93	0.01661	0.01645	0.01538	0.01611	0.0107	3.12E-05	1.443E-06	3.1975E-08	1.196E-08	3.27E-05	3.82E-05	1.77E-06	3.16E-08	6.69E-09	4.01E-05	3.37E-05	1.36E-06	3.065E-08	6.912E-09	3.512E-05
2954 479376.63, 3849921.93	0.01658	0.01658	0.01558	0.01629	0.01055	3.12E-05	1.455E-06	3.2333E-08	1.179E-08	3.27E-05	3.82E-05	1.78E-06	3.19E-08	6.60E-09	4.00E-05	3.37E-05	1.371E-06	3.099E-08	6.815E-09	3.507E-05
2955 479426.63, 3849921.93	0.01693	0.01688	0.01593	0.0167	0.01112	3.18E-05	1.481E-06	3.3146E-08	1.242E-08	3.33E-05	3.90E-05	1.81E-06	3.27E-08	6.95E-09	4.08E-05	3.44E-05	1.396E-06	3.177E-08	7.183E-09	3.581E-05
2956 478726.63, 3849971.93	0.01356	0.01208	0.01121	0.01237	0.00823	2.55E-05	1.06E-06	2.4552E-08	9.195E-09	2.66E-05	3.12E-05	1.30E-06	2.42E-08	5.15E-09	3.26E-05	2.75E-05	9.99E-07	2.353E-08	5.316E-09	2.856E-05

2957 478776.63, 3849971.93	0.01379	0.01238	0.01146	0.01256	0.00834	2.59E-05	1.086E-06	2.4929E-08	9.318E-09	2.70E-05	3.18E-05	1.33E-06	2.46E-08	5.22E-09	3.31E-05	2.80E-05	1.024E-06	2.389E-08	5.387E-09	2.905E-05
2958 478826.63, 3849971.93	0.01402	0.0127	0.01173	0.01276	0.00846	2.63E-05	1.114E-06	2.5326E-08	9.452E-09	2.75E-05	3.23E-05	1.37E-06	2.50E-08	5.29E-09	3.37E-05	2.85E-05	1.05E-06	2.427E-08	5.465E-09	2.955E-05
2959 478976.63, 3849971.93	0.01488	0.01381	0.01271	0.01361	0.00901	2.80E-05	1.212E-06	2.7013E-08	1.007E-08	2.92E-05	3.43E-05	1.48E-06	2.67E-08	5.64E-09	3.58E-05	3.02E-05	1.142E-06	2.589E-08	5.82E-09	3.139E-05
2960 479026.63, 3849971.93	0.01513	0.01419	0.01305	0.01388	0.00918	2.84E-05	1.245E-06	2.7549E-08	1.026E-08	2.97E-05	3.48E-05	1.53E-06	2.72E-08	5.74E-09	3.64E-05	3.07E-05	1.173E-06	2.64E-08	5.93E-09	3.193E-05
2961 479076.63, 3849971.93	0.01538	0.01459	0.01341	0.01419	0.00936	2.89E-05	1.28E-06	2.8165E-08	1.046E-08	3.02E-05	3.54E-05	1.57E-06	2.78E-08	5.85E-09	3.70E-05	3.12E-05	1.207E-06	2.699E-08	6.046E-09	3.247E-05
2962 479126.63, 3849971.93	0.01566	0.01498	0.01379	0.01455	0.00961	2.94E-05	1.314E-06	2.8879E-08	1.074E-08	3.08E-05	3.61E-05	1.61E-06	2.85E-08	6.01E-09	3.77E-05	3.18E-05	1.239E-06	2.768E-08	6.208E-09	3.307E-05
2963 479176.63, 3849971.93	0.01595	0.01537	0.01417	0.01493	0.00987	3.00E-05	1.348E-06	2.9633E-08	1.103E-08	3.14E-05	3.67E-05	1.65E-06	2.92E-08	6.17E-09	3.84E-05	3.24E-05	1.271E-06	2.84E-08	6.376E-09	3.369E-05
2964 479226.63, 3849971.93	0.01589	0.01564	0.01443	0.01503	0.00962	2.99E-05	1.372E-06	2.9832E-08	1.075E-08	3.13E-05	3.66E-05	1.68E-06	2.94E-08	6.02E-09	3.83E-05	3.23E-05	1.293E-06	2.859E-08	6.214E-09	3.359E-05
2965 479276.63, 3849971.93	0.01638	0.01607	0.01489	0.01559	0.01027	3.08E-05	1.41E-06	3.0943E-08	1.147E-08	3.22E-05	3.77E-05	1.73E-06	3.05E-08	6.42E-09	3.95E-05	3.33E-05	1.329E-06	2.966E-08	6.634E-09	3.462E-05
2966 479326.63, 3849971.93	0.01677	0.01643	0.01528	0.01608	0.01084	3.15E-05	1.441E-06	3.1916E-08	1.211E-08	3.30E-05	3.86E-05	1.77E-06	3.15E-08	6.78E-09	4.04E-05	3.40E-05	1.359E-06	3.059E-08	7.002E-09	3.545E-05
2967 479376.63, 3849971.93	0.01678	0.01665	0.01555	0.01628	0.01072	3.15E-05	1.461E-06	3.2313E-08	1.198E-08	3.30E-05	3.86E-05	1.79E-06	3.19E-08	6.70E-09	4.05E-05	3.41E-05	1.377E-06	3.097E-08	6.925E-09	3.548E-05
2968 479426.63, 3849971.93	0.01705	0.01693	0.01588	0.01666	0.01113	3.20E-05	1.485E-06	3.3067E-08	1.244E-08	3.36E-05	3.93E-05	1.82E-06	3.26E-08	6.96E-09	4.11E-05	3.46E-05	1.4E-06	3.169E-08	7.19E-09	3.606E-05
2969 478726.63, 3850021.93	0.01357	0.01198	0.01115	0.01241	0.00824	2.55E-05	1.051E-06	2.4632E-08	9.207E-09	2.66E-05	3.12E-05	1.29E-06	2.43E-08	5.15E-09	3.26E-05	2.76E-05	9.907E-07	2.361E-08	5.323E-09	2.857E-05
2970 478776.63, 3850021.93	0.01378	0.01225	0.01137	0.01256	0.00834	2.59E-05	1.075E-06	2.4929E-08	9.318E-09	2.70E-05	3.17E-05	1.32E-06	2.46E-08	5.22E-09	3.31E-05	2.80E-05	1.013E-06	2.389E-08	5.387E-09	2.902E-05
2971 478826.63, 3850021.93	0.01402	0.01255	0.01162	0.01276	0.00846	2.63E-05	1.101E-06	2.5326E-08	9.452E-09	2.75E-05	3.23E-05	1.35E-06	2.50E-08	5.29E-09	3.37E-05	2.85E-05	1.038E-06	2.427E-08	5.465E-09	2.953E-05
2972 478976.63, 3850021.93	0.01486	0.01361	0.01253	0.01354	0.00896	2.79E-05	1.194E-06	2.6874E-08	1.001E-08	2.92E-05	3.42E-05	1.46E-06	2.65E-08	5.60E-09	3.57E-05	3.02E-05	1.126E-06	2.576E-08	5.788E-09	3.133E-05
2973 478726.63, 3850071.93	0.0136	0.01191	0.01111	0.01249	0.00827	2.56E-05	1.045E-06	2.479E-08	9.24E-09	2.66E-05	3.13E-05	1.28E-06	2.45E-08	5.17E-09	3.26E-05	2.76E-05	9.849E-07	2.376E-08	5.342E-09	2.863E-05
2974 478776.63, 3850071.93	0.01381	0.01216	0.01131	0.01264	0.00836	2.60E-05	1.067E-06	2.5088E-08	9.341E-09	2.71E-05	3.18E-05	1.31E-06	2.48E-08	5.23E-09	3.31E-05	2.80E-05	1.006E-06	2.404E-08	5.4E-09	2.907E-05
2975 478826.63, 3850071.93	0.01404	0.01243	0.01154	0.01281	0.00847	2.64E-05	1.09E-06	2.5425E-08	9.464E-09	2.75E-05	3.23E-05	1.34E-06	2.51E-08	5.30E-09	3.37E-05	2.85E-05	1.028E-06	2.437E-08	5.471E-09	2.956E-05
2976 478876.63, 3850071.93	0.01429	0.01274	0.01179	0.01301	0.0086	2.69E-05	1.118E-06	2.5822E-08	9.609E-09	2.80E-05	3.29E-05	1.37E-06	2.55E-08	5.38E-09	3.43E-05	2.90E-05	1.054E-06	2.475E-08	5.555E-09	3.01E-05
2977 478976.63, 3850071.93	0.01486	0.01343	0.01239	0.01352	0.00894	2.79E-05	1.178E-06	2.6835E-08	9.989E-09	2.91E-05	3.42E-05	1.44E-06	2.65E-08	5.59E-09	3.57E-05	3.02E-05	1.111E-06	2.572E-08	5.775E-09	3.131E-05
2978 478726.63, 3850121.93	0.01365	0.01211	0.0111	0.01259	0.00831	2.57E-05	1.062E-06	2.4989E-08	9.285E-09	2.67E-05	3.14E-05	1.30E-06	2.47E-08	5.20E-09	3.28E-05	2.77E-05	1.001E-06	2.395E-08	5.368E-09	2.875E-05
2979 478776.63, 3850121.93	0.01387	0.01232	0.01129	0.01273	0.0084	2.61E-05	1.081E-06	2.5267E-08	9.385E-09	2.72E-05	3.19E-05	1.32E-06	2.49E-08	5.25E-09	3.33E-05	2.82E-05	1.019E-06	2.422E-08	5.426E-09	2.921E-05
2980 478826.63, 3850121.93	0.01408	0.01255	0.01149	0.01288	0.00849	2.65E-05	1.101E-06	2.5564E-08	9.486E-09	2.76E-05	3.24E-05	1.35E-06	2.52E-08	5.31E-09	3.38E-05	2.86E-05	1.038E-06	2.45E-08	5.484E-09	2.966E-05
2981 478876.63, 3850121.93	0.0143	0.0128	0.01171	0.01304	0.0086	2.69E-05	1.123E-06	2.5882E-08	9.609E-09	2.80E-05	3.29E-05	1.38E-06	2.55E-08	5.38E-09	3.43E-05	2.90E-05	1.059E-06	2.481E-08	5.555E-09	3.012E-05
2982 478976.63, 3850121.93	0.01487	0.01338	0.01226	0.01352	0.00891	2.79E-05	1.174E-06	2.6835E-08	9.955E-09	2.92E-05	3.42E-05	1.44E-06	2.65E-08	5.57E-09	3.57E-05	3.02E-05	1.107E-06	2.572E-08	5.756E-09	3.133E-05
2983 479026.63, 3850121.93	0.01515	0.0137	0.01257	0.01378	0.00909	2.85E-05	1.202E-06	2.7351E-08	1.016E-08	2.97E-05	3.49E-05	1.47E-06	2.70E-08	5.69E-09	3.64E-05	3.08E-05	1.133E-06	2.621E-08	5.872E-09	3.193E-05
2984 479076.63, 3850121.93	0.01541	0.014	0.01288	0.01403	0.00927	2.90E-05	1.228E-06	2.7847E-08	1.036E-08	3.02E-05	3.55E-05	1.51E-06	2.75E-08	5.80E-09	3.70E-05	3.13E-05	1.158E-06	2.669E-08	5.988E-09	3.248E-05
2985 479126.63, 3850121.93	0.01568	0.01438	0.01322	0.01432	0.00946	2.95E-05	1.262E-06	2.8423E-08	1.057E-08	3.08E-05	3.61E-05	1.55E-06	2.81E-08	5.92E-09	3.77E-05	3.18E-05	1.189E-06	2.724E-08	6.111E-09	3.306E-05
2986 478776.63, 3850171.93	0.01391	0.01228	0.01128	0.01283	0.00845	2.61E-05	1.077E-06	2.5465E-08	9.441E-09	2.73E-05	3.20E-05	1.32E-06	2.51E-08	5.28E-09	3.34E-05	2.82E-05	1.016E-06	2.441E-08	5.458E-09	2.929E-05
2987 478826.63, 3850171.93	0.01411	0.01249	0.01146	0.01295	0.00852	2.65E-05	1.096E-06	2.5703E-08	9.52E-09	2.76E-05	3.25E-05	1.34E-06	2.54E-08	5.33E-09	3.39E-05	2.86E-05	1.033E-06	2.463E-08	5.504E-09	2.971E-05
2988 478876.63, 3850171.93	0.01433	0.01272	0.01166	0.0131	0.00862	2.69E-05	1.116E-06	2.6001E-08	9.631E-09	2.81E-05	3.30E-05	1.37E-06	2.57E-08	5.39E-09	3.44E-05	2.91E-05	1.052E-06	2.492E-08	5.568E-09	3.018E-05
2989 478976.63, 3850171.93	0.01488	0.01327	0.01217	0.01353	0.0089	2.80E-05	1.164E-06	2.6855E-08	9.944E-09	2.92E-05	3.43E-05	1.43E-06	2.65E-08	5.57E-09	3.57E-05	3.02E-05	1.097E-06	2.574E-08	5.749E-09	3.134E-05
2990 479026.63, 3850171.93	0.01517	0.01358	0.01274	0.0138	0.00908	2.85E-05	1.191E-06	2.739E-08	1.015E-08	2.97E-05	3.49E-05	1.46E-06	2.70E-08	5.68E-09	3.64E-05	3.08E-05	1.123E-06	2.625E-08	5.865E-09	3.196E-05
2991 479076.63, 3850171.93	0.01543	0.01389	0.01275	0.01402	0.00924	2.90E-05	1.219E-06	2.7827E-08	1.032E-08	3.03E-05	3.55E-05	1.49E-06	2.75E-08	5.78E-09	3.71E-05	3.13E-05	1.149E-06	2.667E-08	5.969E-09	3.251E-05
2992 479126.63, 3850171.93	0.0157	0.01423	0.01307	0.0143	0.00944	2.95E-05	1.248E-06	2.8383E-08	1.055E-08	3.08E-05	3.62E-05	1.53E-06	2.80E-08	5.90E-09	3.77E-05	3.19E-05	1.177E-06	2.72E-08	6.098E-09	3.309E-05
2993 479176.63, 3850171.93	0.01601	0.01458	0.01342	0.01462	0.00968	3.01E-05	1.279E-06	2.9018E-08	1.082E-08	3.14E-05	3.69E-05	1.57E-06	2.86E-08	6.05E-09	3.85E-05	3.25E-05	1.206E-06	2.781E-08	6.253E-09	3.375E-05
2994 479226.63, 3850171.93	0.0164	0.01496	0.01391	0.01503	0.01002	3.08E-05	1.312E-06	2.9832E-08	1.12E-08	3.22E-05	3.78E-05	1.61E-06	2.94E-08	6.27E-09	3.94E-05	3.33E-05	1.237E-06	2.859E-08	6.473E-09	3.457E-05
2995 479276.63, 3850171.93	0.01678	0.01535	0.01424	0.01545	0.01041	3.15E-05	1.347E-06	3.0665E-08	1.163E-08	3.29E-05	3.86E-05	1.65E-06	3.03E-08	6.51E-09	4.03E-05	3.41E-05	1.269E-06	2.939E-08	6.725E-09	3.538E-05
2996 479326.63, 3850171.93	0.01703	0.0157	0.01456	0.01576	0.01067	3.20E-05	1.377E-06	3.1281E-08	1.192E-08	3.34E-05	3.92E-05	1.69E-06	3.09E-08	6.67E-09	4.09E-05	3.46E-05	1.298E-06	2.998E-08	6.892E-09	3.591E-05
2997 479376.63, 3850171.93	0.01727	0.01605	0.01492	0.01608	0.01093	3.25E-05	1.408E-06	3.1916E-08	1.221E-08	3.39E-05	3.98E-05	1.73E-06	3.15E-08	6.84E-09	4.15E-05	3.51E-05	1.327E-06	3.059E-08	7.06E-09	3.643E-05
2998 478676.63, 3850221.93	0.01356	0.01198	0.01102	0.01271	0.00843	2.55E-05	1.051E-06	2.5227E-08	9.419E-09	2.66E-05	3.12E-05	1.29E-06	2.49E-08	5.27E-09	3.25E-05	2.75E-05	9.907E-07	2.418E-08	5.446E-09	2.855E-05
2999 478726.63, 3850221.93	0.01377	0.01212	0.01116	0.01283	0.00848	2.59E-05	1.063E-06	2.5465E-08	9.475E-09	2.70E-05	3.17E-05	1.30E-06	2.51E-08	5.30E-09	3.30E-05	2.80E-05	1.002E-06	2.441E-08	5.478E-09	2.899E-05
3000 478976.63, 3850221.93	0.01491	0.01317	0.01241	0.01359	0.00891	2.80E-05	1.155E-06	2.6974E-08	9.955E-09	2.92E-05	3.43E-05	1.42E-06	2.66E-08	5.57E-09	3.58E-05	3.03E-05	1.089E-06	2.585E-08	5.756E-09	3.139E-05
3001 479026.63, 3850221.93	0.01519	0.01347	0.01264	0.01383	0.00907	2.85E-05	1.182E-06	2.745E-08	1.013E-08	2.98E-05	3.50E-05	1.45E-06	2.71E-08	5.67E-09	3.65E-05	3.08E-05	1.114E-06	2.631E-08	5.859E-09	3.199E-05
3002 479076.63, 3850221.93	0.01545	0.01377	0.0129	0.01405	0.00923	2.90E-05	1.208E-06	2.7887E-08	1.031E-08	3.03E-05	3.56E-05	1.48E-06	2.75E-08	5.77E-09	3.71E-05	3.14E-05	1.139E-06	2.673E-08	5.962E-09	3.254E-05
3003 479126.63, 3850221.93	0.01573	0.01409	0.01317	0.0143	0.00941	2.96E-05	1.236E-06	2.8383E-08	1.051E-08	3.08E-05	3.62E-05	1.51E-06	2.80E-08	5.89E-09	3.78E-05	3.19E-05	1.165E-06	2.72E-08	6.079E-09	3.314E-05
3004 479176.63, 3850221.93	0.01607	0.01445	0.01346	0.01463	0.00966	3.02E-05	1.268E-06	2.9038E-08	1.079E-08	3.15E-05	3.70E-05	1.55E-06	2.87E-08	6.04E-09	3.86E-05	3.26E-05	1.195E-06	2.783E-08	6.24E-09	3.386E-05
3005 479226.63, 3850221.93	0.01642	0.01482	0.01377	0.01498	0.00995	3.09E-05	1.3E-06	2.9733E-08	1.112E-08	3.22E-05	3.78E-05	1.59E-06	2.93E-08	6.22E-09	3.94E-05	3.33E-05	1.226E-06	2.85E-08	6.427E-09	3.46E-05
3006 479276.63, 3850221.93	0.01676	0.0152	0.01409	0.01536	0.01027	3.15E-05	1.333E-06	3.0487E-08	1.147E-08	3.29E-05	3.86E-05	1.63E-06	3.01E-08	6.42E-09	4.03E-05	3.40E-05	1.257E-06	2.922E-08	6.634E-09	3.532E-05
3007 479326.63, 3850221.93	0.01701	0.01555	0.01441	0.01565	0.01051	3.20E-05	1.364E-06	3.1062E-08	1.174E-08	3.34E-05	3.92E-05	1.67E-06	3.07E-08	6.57E-09	4.09E-05	3.45E-05	1.286E-06	2.977E-08	6.789E-09	3.586E-05
3008 479376.63, 3850221.93	0.01729	0.01592	0.01474	0.01598	0.01081	3.25E-05	1.397E-06	3.1717E-08	1.208E-08	3.39E-05	3.98E-05	1.71E-06	3.13E-08	6.76E-09	4.16E-05	3.51E-05	1.317E-06	3.04E-08	6.983E-09	3.646E-05
3009 478676.63, 3850271.93	0.01367	0.01205	0.01112	0.01289	0.00858	2.57E-05	1.057E-06	2.5584E-08	9.587E-09	2.68E-05	3.15E-05	1.30E-06	2.53E-08	5.37E-09	3.28E-05	2.78E-05	9.965E-07	2.452E-08	5.542E-09	2.878E-05
3010 478726.63, 3850271.93	0.01386	0.01216	0.01159	0.01299	0.0086	2.60E-05	1.067E-06	2.5783E-08	9.609E-09	2.71E-05	3.19E-05	1.31E-06	2.54E-08	5.38E-09	3.33E-05	2.81E-05	1.006E-06	2.471E-08	5.555E-09	2.918E-05
3011 478976.63, 3850271.93	0.01493	0.0131	0.01234	0.01364	0.00892	2.81E-05	1.149E-06	2.7073E-08	9.966E-09	2.92E-05	3.44E-05	1.41E-06	2.67E-08	5.58E-09	3.58E-05	3.03E-05	1.083E-06	2.595E-08	5.762E-09	3.143E-05
3012 479026.63, 3850271.93	0.01521	0.01337	0.01256	0.01388	0.00908	2.86E-05	1.173E-06	2.7549E-08	1.015E-08	2.98E-05	3.50E-05	1.44E-06	2.72E-08	5.68E-09	3.65E-05	3.09E-05	1.106E-06	2.64E-08	5.865E-09	3.202E-05
3013 479076.63, 3850271.93	0.01548	0.01366	0.0128	0.01409	0.00923	2.91E-05	1.198E-06	2.7966E-08	1.031E-08	3.03E-05	3.56E-05	1.47E-06	2.76E-08	5.77E-09	3.71E-05	3.14E-05	1.13E-06	2.68E-08	5.962E-09	3.259E-05
3014 479126.63, 3850271.93	0.01576	0.01398	0.01306	0.01433	0.0094	2.96E-05	1.226E-06	2.8442E-08	1.05E-08	3.09E-05	3.63E-05	1.50E-06	2.81E-08	5.88E-09	3.78E-05	3.20E-05	1.156E-06	2.726E-08	6.072E-09	3.319E-05
3015 479176.63, 3850271.93	0.01607	0.01432	0.01334	0.01462	0.00962	3.02E-05	1.256E-06	2.9018E-08	1.075E-08	3.15E-05	3.70E-05	1.54E-06	2.86E-08	6.02E-09	3.86E-05	3.26E-05	1.184E-06	2.781E-08	6.214E-09	3.385E-05
3016 479226.63, 3850271.93	0.0164	0.01468	0.01363	0.01494	0.00988	3.08E-05	1.288E-06	2.9653E-08	1.104E-08	3.21E-05	3.78E-05	1.58E-06	2.93E-08	6.18E-09	3.94E-05	3.33E-05	1.214E-06	2.842E-08	6.382E-09	3.455E-05
3017 479276.63, 3850271.93	0.01671	0.01504	0.01394	0.01526	0.01014	3.14E-05	1.319E-06	3.0288E-08	1.133E-08	3.28E-05	3.85E-05	1.62E-06	2.99E-08	6.34E-09	4.01E-05	3.39E-05	1.244E-06	2.903E-08	6.55E-09	3.521E-05
3018 479326.63, 3850271.93	0.01699	0.0154	0.01426	0.01555	0.01038	3.19E-05	1.351E-06	3.0864E-08	1.16E-08	3.33E-05	3.91E-05	1.66E-06	3.05E-08	6.49E-09	4.08E-05	3.45E-05	1.274E-06	2.958E-08	6.705E-09	3.581E-05
3019 479376.63, 3850271.93	0.01724	0.01576	0.01459	0.01583	0.01061	3.24E-05	1.383E-06	3.142E-08	1.185E-08	3.38E-05	3.97E-05	1.69E-06	3.10E-08	6.64E-09	4.14E-05	3.50E-05	1.303E-06	3.011E-08	6.854E-09	3.634E-05
3020 479053.24, 3850293.52	0.01537	0.01349	0.01265	0.01402	0.00917	2.89E-05	1.183E-06	2.7827E-08	1.025E-08	3.01E-05	3.54E-05	1.45E-06	2.75E-08	5.74E-09	3.69E-05	3.12E-05	1.116E-06	2.667E-08	5.924E-09	3.236E-05
3021 479103.24, 3850293.52	0.01565	0.01379	0.01289	0.01425	0.00933	2.94E-05	1.21E-06	2.8284E-08	1.042E-08	3.07E-05	3.60E-05	1.48E-06	2.79E-08	5.84E-09	3.76E-05	3.18E-05	1.14E-06	2.711E-08	6.027E-09	3.295E-05
3022 479153.24, 3850293.52	0.01592	0.0141	0.01315	0.01448	0.0095	2.99E-05	1.237E-06	2.874E-08	1.061E-08	3.12E-05	3.67E-05	1.52E-06	2.84E-08	5.94E-09	3.82E-05	3.23E-05	1.166E-06	2.754E-08	6.137E-09	3.352E-05
3023 479203.24, 3850293.52	0.01625	0.01445	0.01344	0.01478	0.00973	3.05E-05	1.268E-06	2.9336E-08	1.087E-08	3.18E-05	3.74E-05	1.55E-06	2.90E-08	6.09E-09	3.90E-05	3.30E-05	1.195E-06	2.812E-08	6.285E-09	3.422E-05
3024 479253.24, 3850293.52	0.01657	0.01481	0.01374	0.01508	0.00998	3.11E-05	1.299E-06	2.9931E-08	1.115E-08	3.25E-05	3.82E-05	1.59E-06	2.95E-08	6.24E-09	3.98E-05	3.36E-05	1.225E-06	2.869E-08	6.447E-09	3.49E-05
3025 479303.24, 3850293.52	0.01684	0.01516	0.01405	0.01537	0.01021	3.16E-05	1.33E-06	3.0507E-08	1.141E-08	3.30E-05	3.88E-05	1.63E-06	3.01E-08	6.39E-09	4.04E-05	3.42E-05	1.254E-06	2.924E-08	6.595E-09	3.548E-05
3026 479353.24, 3850293.52	0.01711	0.01552	0.01437	0.01565	0.01043	3.22E-05	1.362E-06	3.1062E-08	1.165E-08	3.36E-05	3.94E-05	1.67E-06	3.07E-08	6.52E-09	4.11E-05	3.47E-05	1.283E-06	2.977E-08	6.737E-09	3.606E-05
3027 479153.24, 3850343.52	0.01595	0.01414	0.01305	0.01451	0.0095	3.00E-05	1.24E-06	2.88E-08	1.061E-08	3.13E-05	3.67E-05	1.52E-06	2.84E-08	5.94E-09	3.83E-05	3.24E-05	1.169E-06	2.76E-08	6.137E-09	3.359E-05
3028 479203.24, 3850343.52	0.01625	0.01446	0.01332	0.01476	0.00969	3.05E-05	1.269E-06	2.9296E-08	1.083E-08	3.18E-05	3.74E-05	1.55E-06	2.89E-08	6.06E-09	3.90E-05	3.30E-05	1.196E-06	2.808E-08	6.259E-09	3.422E-05
3029 479253.24, 3850343.52	0.01652	0.0148	0.0136	0.01501	0.00989	3.10E-05	1.298E-06	2.9792E-08	1.105E-08	3.24E-05	3.80E-05	1.59E-06	2.94E-08	6.19E-09	3.97E-05	3.35E-05	1.224E-06	2.855E-08	6.389E-09	3.48E-05
3030 479303.24, 3850343.52	0.0168	0.01501	0.01391	0.01527	0.01009	3.16E-05	1.317E-06	3.0308E-08	1.127E-08	3.29E-05	3.87E-05	1.61E-06	2.99E-08	6.31E-09	4.03E-05	3.41E-05	1.241E-06	2.905E-08	6.518E-09	3.539E-05
3031 479353.24, 3850343.52	0.01706	0.01537	0.01422	0.01555	0.0103	3.21E-05	1.348E-06	3.0864E-08	1.151E-08	3.34E-05	3.93E-05	1.65E-06	3.05E-08	6.44E-09	4.10E-05	3.46E-05	1.271E-06	2.958E-08	6.653E-09	3.595E-05
3032 479203.24, 3850393.52	0.01622	0.01433	0.01322	0.01476	0.00966	3.05E-05	1.257E-06	2.9296E-08	1.079E-08	3.18E-05	3.74E-05	1.54E-06	2.89E-08	6.04E-09	3.89E-05	3.29E-05	1.185E-06	2.808E-08	6.24E-09	3.415E-05
3033 479253.24, 3850393.52	0.0165	0.01465	0.01348	0.01499	0.00983	3.10E-05	1.285E-06	2.9752E-08	1.098E-08	3.23E-05	3.80E-05	1.57E-06	2.94E-08	6.15E-09	3.96E-05	3.35E-05	1.212E-06	2.851E-08	6.35E-09	3.475E-05
3034 479303.24, 3850393.52	0.01677	0.015	0.01377	0.01522	0.01001	3.15E-05	1.316E-06	3.0209E-08	1.118E-08	3.29E-05	3.86E-05	1.61E-06	2.98E-08	6.26E-09	4.03E-05	3.40E-05	1.24E-06	2.895E-08	6.466E-09	3.533E-05
3035 479353.24, 3850393.52	0.01704	0.01521	0.01408	0.01547	0.0102	3.20E-05	1.334E-06	3.0705E-08	1.14E-08	3.34E-05	3.92E-05	1.64E-06	3.03E-08	6.38E-09	4.09E-05	3.46E-05	1.258E-06	2.943E-08	6.589E-09	3.589E-05
3036 479403.24, 3850393.52	0.01731	0.01558	0.0144	0.01575	0.01042	3.25E-05	1.367E-06	3.1261E-08	1.164E-08	3.39E-05	3.99E-05	1.67E-06	3.09E-08	6.52E-09	4.16E-05	3.51E-05	1.288E-06	2.996E-08	6.731E-09	3.647E-05

3037 479453.24, 3850393.52	0.01757	0.01595	0.01474	0.01603	0.01063
3038 479503.24, 3850393.52	0.0178	0.01632	0.01508	0.0163	0.01083
3039 479303.24, 3850443.52	0.01672	0.01485	0.01365	0.01517	0.00993
3040 479353.24, 3850443.52	0.01698	0.0152	0.01394	0.01539	0.01008
3041 479403.24, 3850443.52	0.01723	0.01541	0.01425	0.01563	0.01025
3042 479453.24, 3850443.52	0.01749	0.01577	0.01458	0.01588	0.01044
3043 479503.24, 3850443.52	0.01773	0.01615	0.01492	0.01613	0.01063
3044 480327.18, 3850987.04	0.02341	0.02177	0.01972	0.02167	0.01569
3045 480377.18, 3850987.04	0.02372	0.02217	0.02015	0.02214	0.01625
3046 480427.18, 3850987.04	0.02402	0.02253	0.02056	0.02261	0.01675
3047 480477.18, 3850987.04	0.02428	0.02285	0.02094	0.02305	0.0172
3048 480327.18, 3851037.04	0.02344	0.02168	0.01956	0.02149	0.01536
3049 480377.18, 3851037.04	0.02379	0.02213	0.02002	0.02199	0.01591
3050 480427.18, 3851037.04	0.02412	0.02255	0.02046	0.02248	0.01645
3051 480477.18, 3851037.04	0.02442	0.02291	0.02088	0.02296	0.017
3052 480622.06, 3851087.39	0.02536	0.02386	0.02191	0.02416	0.01828
3053 480672.06, 3851087.39	0.0256	0.02406	0.02222	0.02455	0.01877
3054 480622.06, 3851137.39	0.02554	0.02398	0.02188	0.02409	0.01811
3055 480672.06, 3851137.39	0.02581	0.02425	0.02224	0.02454	0.01865
3056 480722.06, 3851137.39	0.02606	0.02446	0.02256	0.02494	0.01916
3057 480622.06, 3851187.39	0.02568	0.02405	0.0218	0.02398	0.01786
3058 480672.06, 3851187.39	0.02599	0.02438	0.02221	0.02447	0.01846
3059 480722.06, 3851187.39	0.02627	0.02465	0.02258	0.02492	0.01905
3060 471363.09, 3845877.25	0.00362	0.00357	0.00355	0.00375	0.00268
3061 471863.09, 3845877.25	0.00347	0.00341	0.00339	0.00358	0.00256
3062 472363.09, 3845877.25	0.00378	0.00368	0.00365	0.00388	0.00273
3063 472863.09, 3845877.25	0.00318	0.00313	0.00311	0.0033	0.00234
3064 473363.09, 3845877.25	0.00311	0.00301	0.00299	0.00315	0.00222
3065 473863.09, 3845877.25	0.00326	0.00319	0.00317	0.00334	0.00233
3066 474363.09, 3845877.25	0.00386	0.00376	0.0037	0.00387	0.00258
3067 474863.09, 3845877.25	0.00489	0.00487	0.00471	0.00478	0.00292
3068 475363.09, 3845877.25	0.00618	0.00619	0.00618	0.00643	0.004
3069 475863.09, 3845877.25	0.00644	0.00645	0.00642	0.00662	0.0043
3070 476363.09, 3845877.25	0.00596	0.00601	0.00602	0.00625	0.00391
3071 476863.09, 3845877.25	0.00539	0.00503	0.00539	0.00579	0.0037
3072 477363.09, 3845877.25	0.00451	0.00453	0.00434	0.0045	0.00294
3073 477863.09, 3845877.25	0.00392	0.00393	0.00376	0.00403	0.00242
3074 478363.09, 3845877.25	0.0038	0.00328	0.00363	0.00404	0.00243
3075 478863.09, 3845877.25	0.00362	0.00363	0.00345	0.00368	0.00227
3076 479363.09, 3845877.25	0.00349	0.00344	0.00334	0.00357	0.00217
3077 479863.09, 3845877.25	0.00338	0.00318	0.00322	0.00358	0.00206
3078 480363.09, 3845877.25	0.00286	0.0025	0.00275	0.00302	0.00195
3079 480863.09, 3845877.25	0.00258	0.00236	0.00243	0.00266	0.00179
3080 481363.09, 3845877.25	0.00237	0.00244	0.00224	0.00237	0.00169
3081 481863.09, 3845877.25	0.00213	0.00202	0.00201	0.00218	0.00158
3082 482363.09, 3845877.25	0.00192	0.00172	0.00181	0.00199	0.00148
3083 482863.09, 3845877.25	0.00155	0.00153	0.00149	0.00157	0.00132
3084 483363.09, 3845877.25	0.00142	0.00147	0.00139	0.00144	0.00124
3085 483863.09, 3845877.25	0.00162	0.0015	0.00155	0.00166	0.00139
3086 484363.09, 3845877.25	0.00159	0.00148	0.00151	0.00161	0.00134
3087 484863.09, 3845877.25	0.00151	0.00142	0.00145	0.00156	0.00128
3088 485363.09, 3845877.25	0.00142	0.00139	0.00138	0.00144	0.00124
3089 485863.09, 3845877.25	0.00139	0.00142	0.00136	0.0014	0.00123
3090 486363.09, 3845877.25	0.00133	0.00122	0.00128	0.00134	0.00119
3091 486863.09, 3845877.25	0.00123	0.00121	0.00118	0.00122	0.00109
3092 487363.09, 3845877.25	0.0012	0.00124	0.00117	0.0012	0.00105
3093 487863.09, 3845877.25	0.00112	0.00116	0.00112	0.00112	0.00102
3094 488363.09, 3845877.25	0.00108	0.00108	0.00108	0.00109	0.00101
3095 488863.09, 3845877.25	0.00119	0.00119	0.00116	0.00117	0.00106
3096 489363.09, 3845877.25	0.00119	0.00114	0.00116	0.00118	0.00105
3097 489863.09, 3845877.25	0.00114	0.0011	0.00112	0.00112	0.00102
3098 490363.09, 3845877.25	0.00108	0.00112	0.00108	0.00104	0.00099
3099 490863.09, 3845877.25	0.00097	0.0011	0.00102	0.00093	0.00094
3100 491363.09, 3845877.25	0.00106	0.00124	0.0011	0.001	0.00099
3101 491863.09, 3845877.25	0.00114	0.00132	0.00117	0.00108	0.00104
3102 492363.09, 3845877.25	0.00108	0.00118	0.00113	0.00104	0.00103
3103 492863.09, 3845877.25	0.00124	0.00129	0.00127	0.0012	0.00114
3104 493363.09, 3845877.25	0.00134	0.0014	0.00135	0.00129	0.0012
3105 493863.09, 3845877.25	0.00146	0.00148	0.00146	0.0014	0.00126
3106 494363.09, 3845877.25	0.00156	0.00157	0.00154	0.00151	0.00133
3107 494863.09, 3845877.25	0.00165	0.00166	0.00163	0.0016	0.00138
3108 495363.09, 3845877.25	0.00177	0.00177	0.00174	0.00172	0.00145
3109 495863.09, 3845877.25	0.0019	0.00194	0.00186	0.00183	0.00154
3110 496363.09, 3845877.25	0.00204	0.00217	0.00198	0.00193	0.00163
3111 496863.09, 3845877.25	0.00215	0.00232	0.00208	0.00201	0.0017
3112 497363.09, 3845877.25	0.00226	0.00242	0.00218	0.00211	0.00176
3113 497863.09, 3845877.25	0.0024	0.00254	0.0023	0.00224	0.00185
3114 498363.09, 3845877.25	0.00253	0.0027	0.00242	0.00236	0.00192
3115 471363.09, 3846377.25	0.00544	0.00515	0.00504	0.00538	0.00412
3116 471863.09, 3846377.25	0.00506	0.00486	0.00477	0.00511	0.00377

3.30E-05	1.399E-06	3.1817E-08	1.188E-08	3.45E-05	
3.34E-05	1.432E-06	3.2352E-08	1.21E-08	3.49E-05	
3.14E-05	1.303E-06	3.011E-08	1.109E-08	3.28E-05	
3.19E-05	1.333E-06	3.0546E-08	1.126E-08	3.33E-05	
3.24E-05	1.352E-06	3.1023E-08	1.145E-08	3.38E-05	
3.29E-05	1.383E-06	3.1519E-08	1.166E-08	3.43E-05	
3.33E-05	1.417E-06	3.2015E-08	1.188E-08	3.48E-05	
4.40E-05	1.91E-06	4.3011E-08	1.753E-08	4.60E-05	
4.46E-05	1.945E-06	4.3944E-08	1.816E-08	4.66E-05	
4.51E-05	1.976E-06	4.4877E-08	1.872E-08	4.72E-05	
4.56E-05	2.005E-06	4.575E-08	1.922E-08	4.77E-05	
4.40E-05	1.902E-06	4.2654E-08	1.716E-08	4.60E-05	
4.47E-05	1.941E-06	4.3646E-08	1.778E-08	4.67E-05	
4.53E-05	1.978E-06	4.4619E-08	1.838E-08	4.74E-05	
4.59E-05	2.01E-06	4.5571E-08	1.899E-08	4.80E-05	
4.77E-05	2.093E-06	4.7953E-08	2.042E-08	4.98E-05	
4.81E-05	2.111E-06	4.8727E-08	2.097E-08	5.03E-05	
4.80E-05	2.104E-06	4.7814E-08	2.023E-08	5.02E-05	
4.85E-05	2.127E-06	4.8707E-08	2.084E-08	5.07E-05	
4.90E-05	2.146E-06	4.9501E-08	2.141E-08	5.12E-05	
4.83E-05	2.11E-06	4.7596E-08	1.996E-08	5.04E-05	
4.88E-05	2.139E-06	4.8568E-08	2.063E-08	5.10E-05	
4.94E-05	2.162E-06	4.9462E-08	2.128E-08	5.16E-05	
6.80E-06	3.132E-07	7.4431E-09	2.994E-09	7.13E-06	
6.52E-06	2.991E-07	7.1056E-09	2.86E-09	6.83E-06	
7.10E-06	3.228E-07	7.7011E-09	3.05E-09	7.44E-06	
5.98E-06	2.746E-07	6.5499E-09	2.615E-09	6.26E-06	
5.84E-06	2.641E-07	6.2522E-09	2.48E-09	6.12E-06	
6.13E-06	2.798E-07	6.6293E-09	2.603E-09	6.42E-06	
7.25E-06	3.299E-07	7.6812E-09	2.883E-09	7.59E-06	
9.19E-06	4.272E-07	9.4874E-09	3.263E-09	9.63E-06	
1.16E-05	5.43E-07	1.2762E-08	4.469E-09	1.22E-05	
1.21E-05	5.658E-07	1.3139E-08	4.804E-09	1.27E-05	
1.12E-05	5.272E-07	1.2405E-08	4.369E-09	1.17E-05	
1.01E-05	4.413E-07	1.1492E-08	4.134E-09	1.06E-05	
8.48E-06	3.974E-07	8.9317E-09	3.285E-09	8.88E-06	
7.37E-06	3.448E-07	7.9988E-09	2.704E-09	7.72E-06	
7.14E-06	2.877E-07	8.0187E-09	2.715E-09	7.44E-06	
6.80E-06	3.184E-07	7.3041E-09	2.536E-09	7.13E-06	
6.56E-06	3.018E-07	7.0858E-09	2.425E-09	6.87E-06	
6.35E-06	2.79E-07	7.1056E-09	2.302E-09	6.64E-06	
5.37E-06	2.193E-07	5.9941E-09	2.179E-09	5.60E-06	
4.85E-06	2.07E-07	5.2796E-09	2E-09	5.06E-06	
4.45E-06	2.141E-07	4.704E-09	1.888E-09	4.67E-06	
4.00E-06	1.772E-07	4.3269E-09	1.765E-09	4.19E-06	
3.61E-06	1.509E-07	3.9498E-09	1.654E-09	3.76E-06	
2.91E-06	1.342E-07	3.1162E-09	1.475E-09	3.05E-06	
2.67E-06	1.29E-07	2.8581E-09	1.385E-09	2.80E-06	
3.04E-06	1.316E-07	3.2948E-09	1.553E-09	3.18E-06	
2.99E-06	1.298E-07	3.1956E-09	1.497E-09	3.12E-06	
2.84E-06	1.246E-07	3.0963E-09	1.43E-09	2.97E-06	
2.67E-06	1.219E-07	2.8581E-09	1.385E-09	2.79E-06	
2.61E-06	1.246E-07	2.7787E-09	1.374E-09	2.74E-06	
2.50E-06	1.07E-07	2.6597E-09	1.33E-09	2.61E-06	
2.31E-06	1.061E-07	2.4215E-09	1.218E-09	2.42E-06	
2.26E-06	1.088E-07	2.3818E-09	1.173E-09	2.37E-06	
2.10E-06	1.018E-07	2.223E-09	1.14E-09	2.21E-06	
2.03E-06	9.474E-08	2.1634E-09	1.128E-09	2.13E-06	
2.24E-06	1.044E-07	2.3222E-09	1.184E-09	2.34E-06	
2.24E-06	1E-07	2.3421E-09	1.173E-09	2.34E-06	
2.14E-06	9.65E-08	2.223E-09	1.14E-09	2.24E-06	
2.03E-06	9.825E-08	2.0642E-09	1.106E-09	2.13E-06	
1.82E-06	9.65E-08	1.8459E-09	1.05E-09	1.92E-06	
1.99E-06	1.088E-07	1.9848E-09	1.106E-09	2.10E-06	
2.14E-06	1.158E-07	2.1436E-09	1.162E-09	2.26E-06	
2.03E-06	1.035E-07	2.0642E-09	1.151E-09	2.14E-06	
2.33E-06	1.132E-07	2.3818E-09	1.274E-09	2.45E-06	
2.52E-06	1.228E-07	2.5604E-09	1.341E-09	2.64E-06	
2.74E-06	1.298E-07	2.7787E-09	1.408E-09	2.88E-06	
2.93E-06	1.377E-07	2.9971E-09	1.486E-09	3.07E-06	
3.10E-06	1.456E-07	3.1757E-09	1.542E-09	3.25E-06	
3.33E-06	1.553E-07	3.4139E-09	1.62E-09	3.49E-06	
3.57E-06	1.702E-07	3.6322E-09	1.721E-09	3.75E-06	
3.83E-06	1.904E-07	3.8307E-09	1.821E-09	4.03E-06	
4.04E-06	2.035E-07	3.9895E-09	1.899E-09	4.25E-06	
4.25E-06	2.123E-07	4.188E-09	1.966E-09	4.47E-06	
4.51E-06	2.228E-07	4.446E-09	2.067E-09	4.74E-06	
4.75E-06	2.369E-07	4.6842E-09	2.145E-09	5.00E-06	
1.02E-05	4.518E-07	1.0678E-08	4.603E-09	1.07E-05	
9.51E-06	4.264E-07	1.0142E-08	4.212E-09	9.95E-06	

4.05E-05	1.71E-06	3.14E-08	6.65E-09	4.22E-05
4.10E-05	1.75E-06	3.19E-08	6.77E-09	4.28E-05
3.85E-05	1.60E-06	2.97E-08	6.21E-09	4.01E-05
3.91E-05	1.63E-06	3.01E-08	6.30E-09	4.08E-05
3.97E-05	1.66E-06	3.06E-08	6.41E-09	4.14E-05
4.03E-05	1.70E-06	3.11E-08	6.53E-09	4.20E-05
4.08E-05	1.74E-06	3.16E-08	6.65E-09	4.26E-05
5.39E-05	2.34E-06	4.24E-08	9.81E-09	5.63E-05
5.46E-05	2.38E-06	4.34E-08	1.02E-08	5.71E-05
5.53E-05	2.42E-06	4.43E-08	1.05E-08	5.78E-05
5.59E-05	2.46E-06	4.52E-08	1.08E-08	5.84E-05
5.40E-05	2.33E-06	4.21E-08	9.61E-09	5.64E-05
5.48E-05	2.38E-06	4.31E-08	9.95E-09	5.72E-05
5.55E-05	2.42E-06	4.40E-08	1.03E-08	5.80E-05
5.62E-05	2.46E-06	4.50E-08	1.06E-08	5.88E-05
5.84E-05	2.57E-06	4.73E-08	1.14E-08	6.10E-05
5.90E-05	2.59E-06	4.81E-08	1.17E-08	6.16E-05
5.88E-05	2.58E-06	4.72E-08	1.13E-08	6.15E-05
5.94E-05	2.61E-06	4.81E-08	1.17E-08	6.21E-05
6.00E-05	2.63E-06	4.89E-08	1.20E-08	6.27E-05
5.91E-05	2.59E-06	4.70E-08	1.12E-08	6.18E-05
5.99E-05	2.62E-06	4.79E-08	1.15E-08	6.25E-05
6.05E-05	2.65E-06	4.88E-08	1.19E-08	6.32E-05
8.34E-06	3.84E-07	7.35E-09	1.68E-09	8.73E-06
7.99E-06	3.67E-07	7.01E-09	1.60E-09	8.37E-06
8.70E-06	3.96E-07	7.60E-09	1.71E-09	9.11E-06
7.32E-06	3.36E-07	6.46E-09	1.46E-09	7.67E-06
7.16E-06	3.24E-07	6.17E-09	1.39E-09	7.49E-06
7.51E-06	3.43E-07	6.54E-09	1.46E-09	7.86E-06
8.89E-06	4.04E-07	7.58E-09	1.61E-09	9.30E-06
1.13E-05	5.24E-07	9.36E-09	1.83E-09	1.18E-05
1.42E-05	6.65E-07	1.26E-08	2.50E-09	1.49E-05
1.48E-05	6.93E-07	1.30E-08	2.69E-09	1.55E-05
1.37E-05	6.46E-07	1.22E-08	2.45E-09	1.44E-05
1.24E-05	5.41E-07	1.13E-08	2.31E-09	1.30E-05
1.04E-05	4.87E-07	8.82E-09	1.84E-09	1.09E-05
9.03E-06	4.22E-07	7.89E-09	1.51E-09	9.46E-06
8.75E-06	3.53E-07	7.91E-09	1.52E-09	9.11E-06
8.34E-06	3.90E-07	7.21E-09	1.42E-09	8.74E-06
8.04E-06	3.70E-07	6.99E-09	1.36E-09	8.41E-06
7.78E-06	3.42E-07	7.01E-09	1.29E-09	8.13E-06
6.59E-06	2.69E-07	5.92E-09	1.22E-09	6.86E-06
5.94E-06	2.54E-07	5.21E-09	1.12E-09	6.20E-06
5.46E-06	2.62E-07	4.64E-09	1.06E-09	5.73E-06
4.90E-06	2.17E-07	4.27E-09	9.88E-10	5.13E-06
4.42E-06	1.85E-07	3.90E-09	9.26E-10	4.61E-06
3.57E-06	1.64E-07	3.08E-09	8.26E-10	3.74E-06
3.27E-06	1.58E-07	2.82E-09	7.76E-10	3.43E-06
3.73E-06	1.61E-07	3.25E-09	8.69E-10	3.90E-06
3.66E-06	1.59E-07	3.15E-09	8.38E-10	3.82E-06
3.48E-06	1.53E-07	3.06E-09	8.01E-10	3.63E-06
3.27E-06	1.49E-07	2.82E-09	7.76E-10	3.42E-06
3.20E-06	1.53E-07	2.74E-09	7.69E-10	3.36E-06
3.06E-06	1.31E-07	2.62E-09	7.44E-10	3.20E-06
2.83E-06	1.30E-07	2.39E-09	6.82E-10	2.97E-06
2.76E-06	1.33E-07	2.35E-09	6.57E-10	2.90E-06
2.58E-06	1.25E-07	2.19E-09	6.38E-10	2.71E-06
2.49E-06	1.16E-07	2.14E-09	6.32E-10	2.61E-06
2.74E-06	1.28E-07	2.29E-09	6.63E-10	2.87E-06
2.74E-06	1.23E-07	2.31E-09	6.57E-10	2.87E-06
2.63E-06	1.18E-07	2.19E-09	6.38E-10	2.75E-06
2.49E-06	1.20E-07	2.04E-09	6.19E-10	2.61E-06
2.23E-06	1.18E-07	1.82E-09	5.88E-10	2.35E-06
2.44E-06	1.33E-07	1.96E-09	6.19E-10	2.58E-06
2.63E-06	1.42E-07	2.12E-09	6.50E-10	2.77E-06
2.49E-06	1.27E-07	2.04E-09	6.44E-10	2.62E-06
2.86E-06	1.39E-07	2.35E-09	7.13E-10	3.00E-06
3.09E-06	1.51E-07	2.53E-09	7.51E-10	3.24E-06
3.36E-06	1.59E-07	2.74E-09	7.88E-10	3.52E-06
3.59E-06	1.69E-07	2.96E-09	8.32E-10	3.76E-06
3.80E-06	1.78E-07	3.13E-09	8.63E-10	3.98E-06
4.08E-06	1.90E-07	3.37E-09	9.07E-10	4.27E-06
4.38E-06	2.09E-07	3.58E-09	9.63E-10	4.59E-06
4.70E-06	2.33E-07	3.78E-09	1.02E-09	4.94E-06
4.95E-06	2.49E-07	3.94E-09	1.06E-09	5.21E-06
5.20E-06	2.60E-07	4.13E-09	1.10E-09	5.47E-06
5.53E-06	2.73E-07	4.39E-09	1.16E-09	5.81E-06
5.83E-06	2.90E-07	4.62E-09	1.20E-09	6.12E-06
1.25E-05	5.54E-07	1.05E-08	2.58E-09	1.31E-05
1.17E-05	5.22E-07	1.00E-08	2.36E-09	1.22E-05

3.57E-05	1.319E-06	3.049E-08	6.867E-09	3.703E-05
3.61E-05	1.35E-06	3.101E-08	6.996E-09	3.753E-05
3.39E-05	1.228E-06	2.886E-08	6.414E-09	3.521E-05
3.45E-05	1.257E-06	2.928E-08	6.511E-09	3.577E-05
3.50E-05	1.274E-06	2.973E-08	6.621E-09	3.629E-05
3.55E-05	1.304E-06	3.021E-08	6.744E-09	3.685E-05
3.60E-05	1.336E-06	3.068E-08	6.867E-09	3.737E-05
4.75E-05	1.8E-06	4.122E-08	1.014E-08	4.938E-05
4.82E-05	1.833E-06	4.212E-08	1.05E-08	5.005E-05
4.88E-05	1.863E-06	4.301E-08	1.082E-08	5.069E-05
4.93E-05	1.89E-06	4.385E-08	1.111E-08	5.124E-05
4.76E-05	1.793E-06	4.088E-08	9.922E-09	4.944E-05
4.83E-05	1.83E-06	4.183E-08	1.028E-08	5.018E-05
4.90E-05	1.865E-06	4.276E-08	1.063E-08	5.089E-05
4.96E-05	1.895E-06	4.368E-08	1.098E-08	5.153E-05
5.15E-05	1.973E-06	4.596E-08	1.181E-08	5.352E-05
5.20E-05	1.99E-06	4.67E-08	1.212E-08	5.403E-05
5.19E-05	1.983E-06	4.583E-08	1.17E-08	5.39E-05
5.24E-05	2.005E-06	4.668E-08	1.205E-08	5.447E-05
5.29E-05	2.023E-06	4.744E-08	1.238E-08	5.499E-05
5.21E-05	1.989E-06	4.562E-08	1.154E-08	5.419E-05
5.28E-05	2.016E-06	4.655E-08	1.192E-08	5.484E-05
5.33E-05	2.039E-06	4.74E-08	1.231E-08	5.544E-05
7.35E-06	2.952E-07	7.133E-09	1.731E-09	7.654E-06
7.05E-06	2.82E-07	6.81E-09	1.654E-09	7.336E-06
7.67E-06	3.043E-07	7.381E-09	1.763E-09	7.988E-06
6.46E-06	2.588E-07	6.277E-09	1.512E-09	6.723E-06
6.31E-06	2.489E-07	5.992E-09	1.434E-09	6.571E-06
6.62E-06	2.638E-07	6.354E-09	1.505E-09	6.891E-06
7.84E-06	3.109E-07	7.362E-09	1.667E-09	8.157E-06
9.93E-06	4.027E-07	9.093E-09	1.886E-09	1.034E-05
1.25E-05	5.119E-07	1.223E-08	2.584E-09	1.307E-05
1.31E-05	5.334E-07	1.259E-08	2.778E-09	1.362E-05
1.21E-05	4.97E-07	1.189E-08	2.526E-09	1.261E-05
1.09E-05	4.16E-07	1.101E-08	2.39E-09	1.137E-05
9.16E-06	3.746E-07	8.56E-09	1.899E-09	9.542E-06
7.96E-06	3.25E-07	7.666E-09	1.563E-09	8.293E-06
7.72E-06	2.713E-07	7.685E-09	1.57E-09	7.996E-06
7.35E-06	3.002E-07	7E-09	1.466E-09	7.659E-06
7.09E-06	2.845E-07	6.791E-09	1.402E-09	7.379E-06
6.86E-06	2.63E-07	6.81E-09	1.331E-09	7.134E-06
5.81E-06	2.067E-07	5.745E-09	1.26E-09	6.021E-06
5.24E-06	1.952E-07	5.06E-09	1.156E-09	5.44E-06
4.81E-06	2.018E-07	4.508E-09	1.092E-09	5.019E-06
4.32E-06	1.671E-07	4.147E-09	1.021E-09	4.497E-06
3.90E-06	1.422E-07	3.785E-09	9.56E-10	4.045E-06
3.15E-06	1.265E-07	2.987E-09	8.527E-10	3.277E-06
2.88E-06	1.216E-07	2.739E-09	8.01E-10	3.008E-06
3.29E-06	1.24E-07	3.158E-09	8.979E-10	3.417E-06
3.23E-06	1.224E-07	3.063E-09	8.656E-10	3.355E-06
3.07E-06	1.174E-07	2.968E-09	8.268E-10	3.187E-06
2.88E-06	1.15E-07	2.739E-09	8.01E-10	3.002E-06
2.82E-06	1.174E-07	2.663E-09	7.945E-10	2.943E-06
2.70E-06	1.009E-07	2.549E-09	7.687E-10	2.805E-06
2.50E-06	1.001E-07	2.321E-09	7.041E-10	2.6E-06
2.44E-06	1.025E-07	2.283E-09	6.783E-10	2.542E-06
2.27E-06	9.593E-08	2.131E-09	6.589E-10	2.373E-06
2.19E-06	8.931E-08	2.073E-09	6.524E-10	2.285E-06
2.42E-06	9.841E-08	2.226E-09	6.847E-10	2.517E-06
2.42E-06	9.428E-08	2.245E-09	6.783E-10	2.513E-06
2.31E-06	9.097E-08	2.131E-09	6.589E-10	2.408E-06
2.19E-06	9.262E-08	1.978E-09	6.395E-10	2.288E-06
1.97E-06	9.097E-08	1.769E-09	6.072E-10	2.063E-06
2.15E-06	1.025E-07	1.902E-09	6.395E-10	2.257E-06
2.31E-06	1.092E-07	2.054E-09	6.718E-10	2.427E-06
2.19E-06	9.758E-08	1.978E-09	6.653E-10	2.293E-06
2.52E-06	1.067E-07	2.283E-09	7.364E-10	2.627E-06
2.72E-06	1.158E-07	2.454E-09	7.752E-10	2.84E-06
2.96E-06	1.224E-07	2.663E-09	8.139E-10	3.09E-06
3.17E-06	1.298E-07	2.872E-09	8.591E-10	3.301E-06
3.35E-06	1.373E-07	3.044E-09	8.914E-10	3.491E-06
3.59E-06	1.464E-07	3.272E-09	9.367E-10	3.744E-06
3.86E-06	1.604E-07	3.481E-09	9.948E-10	4.023E-06
4.14E-06	1.795E-07	3.671E-09	1.053E-09	4.326E-06
4.37E-06	1.919E-07	3.824E-09	1.098E-09	4.562E-06
4.59E-06	2.001E-07	4.014E-09	1.137E-09	4.794E-06
4.87E-06	2.101E-07	4.261E-09	1.195E-09	5.088E-06
5.14E-06	2.233E-07	4.489E-09	1.24E-09	5.366E-06
1.10E-05	4.259E-07	1.023E-08	2.661E-09	1.148E-05
1.03E-05	4.019E-07	9.721E-09	2.435E-09	1.069E-05

3117 472363.09, 3846377.25	0.00376	0.00371	0.00368	0.00389	0.00275	7.07E-06	3.255E-07	7.7209E-09	3.073E-09	7.40E-06	8.66E-06	3.99E-07	7.62E-09	1.72E-09	9.07E-06	7.63E-06	3.068E-07	7.4E-09	1.776E-09	7.95E-06
3118 472863.09, 3846377.25	0.00381	0.00374	0.00371	0.0039	0.00275	7.16E-06	3.281E-07	7.7408E-09	3.073E-09	7.50E-06	8.77E-06	4.02E-07	7.64E-09	1.72E-09	9.19E-06	7.74E-06	3.093E-07	7.419E-09	1.776E-09	8.054E-06
3119 473363.09, 3846377.25	0.00376	0.00369	0.00366	0.00391	0.00271	7.07E-06	3.237E-07	7.7606E-09	3.028E-09	7.40E-06	8.66E-06	3.97E-07	7.66E-09	1.69E-09	9.06E-06	7.63E-06	3.052E-07	7.438E-09	1.751E-09	7.949E-06
3120 473863.09, 3846377.25	0.00379	0.00363	0.0036	0.00384	0.00264	7.12E-06	3.184E-07	7.6217E-09	2.95E-09	7.45E-06	8.73E-06	3.90E-07	7.52E-09	1.65E-09	9.13E-06	7.70E-06	3.002E-07	7.305E-09	1.705E-09	8.004E-06
3121 474363.09, 3846377.25	0.00395	0.00381	0.00376	0.00399	0.00273	7.42E-06	3.342E-07	7.9194E-09	3.05E-09	7.77E-06	9.10E-06	4.10E-07	7.82E-09	1.71E-09	9.52E-06	8.02E-06	3.151E-07	7.59E-09	1.763E-09	8.344E-06
3122 474863.09, 3846377.25	0.00458	0.00444	0.00433	0.00456	0.00303	8.61E-06	3.895E-07	9.0508E-09	3.385E-09	9.01E-06	1.05E-05	4.77E-07	8.93E-09	1.90E-09	1.10E-05	9.30E-06	3.672E-07	8.674E-09	1.957E-09	9.677E-06
3123 475363.09, 3846377.25	0.00568	0.00564	0.00542	0.00551	0.00337	1.07E-05	4.948E-07	1.0936E-08	3.765E-09	1.12E-05	1.31E-05	6.06E-07	1.08E-08	2.11E-09	1.37E-05	1.15E-05	4.664E-07	1.048E-08	2.177E-09	1.201E-05
3124 475863.09, 3846377.25	0.00706	0.00707	0.00701	0.0073	0.00459	1.33E-05	6.202E-07	1.4489E-08	5.128E-09	1.39E-05	1.63E-05	7.60E-07	1.43E-08	2.87E-09	1.70E-05	1.43E-05	5.847E-07	1.389E-08	2.965E-09	1.494E-05
3125 476363.09, 3846377.25	0.00708	0.00712	0.00705	0.00727	0.00468	1.33E-05	6.246E-07	1.443E-08	5.229E-09	1.39E-05	1.63E-05	7.65E-07	1.42E-08	2.93E-09	1.71E-05	1.44E-05	5.888E-07	1.383E-08	3.023E-09	1.498E-05
3126 476863.09, 3846377.25	0.00654	0.00654	0.00661	0.00691	0.00427	1.23E-05	5.737E-07	1.3715E-08	4.771E-09	1.29E-05	1.51E-05	7.03E-07	1.35E-08	2.67E-09	1.58E-05	1.33E-05	5.408E-07	1.314E-08	2.758E-09	1.384E-05
3127 477363.09, 3846377.25	0.00591	0.00548	0.00584	0.00627	0.00402	1.11E-05	4.807E-07	1.2445E-08	4.492E-09	1.16E-05	1.36E-05	5.89E-07	1.23E-08	2.51E-09	1.42E-05	1.20E-05	4.532E-07	1.193E-08	2.597E-09	1.247E-05
3128 477863.09, 3846377.25	0.00479	0.00496	0.00461	0.00476	0.00305	9.00E-06	4.351E-07	9.4477E-09	3.408E-09	9.45E-06	1.10E-05	5.33E-07	9.32E-09	1.91E-09	1.16E-05	9.73E-06	4.102E-07	9.055E-09	1.97E-09	1.015E-05
3129 478363.09, 3846377.25	0.00435	0.00412	0.00416	0.00456	0.00265	8.17E-06	3.614E-07	9.0508E-09	2.961E-09	8.55E-06	1.00E-05	4.43E-07	8.93E-09	1.66E-09	1.05E-05	8.83E-06	3.407E-07	8.674E-09	1.712E-09	9.183E-06
3130 478863.09, 3846377.25	0.00436	0.00389	0.00412	0.00454	0.00269	8.19E-06	3.413E-07	9.0111E-09	3.006E-09	8.55E-06	1.00E-05	4.18E-07	8.89E-09	1.68E-09	1.05E-05	8.85E-06	3.217E-07	8.636E-09	1.738E-09	9.185E-06
3131 479363.09, 3846377.25	0.00416	0.00422	0.00396	0.00423	0.00253	7.82E-06	3.702E-07	8.3958E-09	2.827E-09	8.20E-06	9.58E-06	4.54E-07	8.29E-09	1.58E-09	1.00E-05	8.45E-06	3.49E-07	8.047E-09	1.634E-09	8.805E-06
3132 479863.09, 3846377.25	0.00377	0.00367	0.00359	0.00389	0.00227	7.08E-06	3.22E-07	7.7209E-09	2.536E-09	7.42E-06	8.68E-06	3.95E-07	7.62E-09	1.42E-09	9.09E-06	7.65E-06	3.035E-07	7.4E-09	1.466E-09	7.967E-06
3133 480363.09, 3846377.25	0.00371	0.00328	0.00354	0.00398	0.00229	6.97E-06	2.877E-07	7.8996E-09	2.559E-09	7.27E-06	8.54E-06	3.53E-07	7.80E-09	1.43E-09	8.91E-06	7.53E-06	2.713E-07	7.571E-09	1.479E-09	7.813E-06
3134 480863.09, 3846377.25	0.00304	0.00272	0.00289	0.00317	0.00204	5.71E-06	2.386E-07	6.2919E-09	2.279E-09	5.96E-06	7.00E-06	2.92E-07	6.21E-09	1.28E-09	7.30E-06	6.17E-06	2.249E-07	6.03E-09	1.318E-09	6.405E-06
3135 481363.09, 3846377.25	0.00285	0.00279	0.00269	0.00291	0.00193	5.36E-06	2.448E-07	5.7758E-09	2.156E-09	5.61E-06	6.56E-06	3.00E-07	5.70E-09	1.21E-09	6.87E-06	5.79E-06	2.307E-07	5.536E-09	1.247E-09	6.024E-06
3136 481863.09, 3846377.25	0.00253	0.00258	0.00238	0.00254	0.00178	4.75E-06	2.263E-07	5.0414E-09	1.989E-09	4.99E-06	5.83E-06	2.77E-07	4.98E-09	1.11E-09	6.11E-06	5.14E-06	2.134E-07	4.832E-09	1.15E-09	5.356E-06
3137 482363.09, 3846377.25	0.00219	0.00195	0.00205	0.00227	0.00165	4.12E-06	1.711E-07	4.5055E-09	1.844E-09	4.29E-06	5.04E-06	2.10E-07	4.45E-09	1.03E-09	5.26E-06	4.45E-06	1.613E-07	4.318E-09	1.066E-09	4.613E-06
3138 482863.09, 3846377.25	0.00185	0.00178	0.00175	0.00188	0.00148	3.48E-06	1.562E-07	3.7315E-09	1.654E-09	3.64E-06	4.26E-06	1.91E-07	3.68E-09	9.26E-10	4.46E-06	3.76E-06	1.472E-07	3.576E-09	9.56E-10	3.908E-06
3139 483363.09, 3846377.25	0.00194	0.00189	0.00185	0.00201	0.00151	3.65E-06	1.658E-07	3.9895E-09	1.687E-09	3.82E-06	4.47E-06	2.03E-07	3.94E-09	9.44E-10	4.68E-06	3.94E-06	1.563E-07	3.824E-09	9.754E-10	4.1E-06
3140 483863.09, 3846377.25	0.00186	0.00173	0.00178	0.0019	0.00153	3.50E-06	1.518E-07	3.7711E-09	1.709E-09	3.65E-06	4.28E-06	1.86E-07	3.72E-09	9.57E-10	4.47E-06	3.78E-06	1.431E-07	3.614E-09	9.883E-10	3.924E-06
3141 484363.09, 3846377.25	0.00166	0.00156	0.00159	0.0017	0.00142	3.12E-06	1.369E-07	3.3742E-09	1.587E-09	3.26E-06	3.82E-06	1.68E-07	3.33E-09	8.88E-10	3.99E-06	3.37E-06	1.29E-07	3.234E-09	9.173E-10	3.504E-06
3142 484863.09, 3846377.25	0.00178	0.00163	0.00168	0.00184	0.00144	3.34E-06	1.43E-07	3.6521E-09	1.609E-09	3.49E-06	4.10E-06	1.75E-07	3.60E-09	9.01E-10	4.28E-06	3.61E-06	1.348E-07	3.5E-09	9.302E-10	3.753E-06
3143 485363.09, 3846377.25	0.00174	0.00166	0.00165	0.00177	0.00143	3.27E-06	1.456E-07	3.5131E-09	1.598E-09	3.42E-06	4.01E-06	1.78E-07	3.47E-09	8.94E-10	4.19E-06	3.53E-06	1.373E-07	3.367E-09	9.237E-10	3.674E-06
3144 485863.09, 3846377.25	0.00157	0.00157	0.00152	0.00159	0.00137	2.95E-06	1.377E-07	3.1559E-09	1.531E-09	3.09E-06	3.62E-06	1.69E-07	3.11E-09	8.57E-10	3.79E-06	3.19E-06	1.298E-07	3.025E-09	8.85E-10	3.321E-06
3145 486363.09, 3846377.25	0.00133	0.00127	0.0013	0.00133	0.00123	2.50E-06	1.114E-07	2.6398E-09	1.374E-09	2.61E-06	3.06E-06	1.37E-07	2.61E-09	7.69E-10	3.20E-06	2.70E-06	1.05E-07	2.53E-09	7.945E-10	2.809E-06
3146 486863.09, 3846377.25	0.00127	0.00127	0.00123	0.00126	0.00113	2.39E-06	1.114E-07	2.5009E-09	1.263E-09	2.50E-06	2.92E-06	1.37E-07	2.47E-09	7.07E-10	3.06E-06	2.58E-06	1.05E-07	2.397E-09	7.299E-10	2.687E-06
3147 487363.09, 3846377.25	0.00128	0.00131	0.00125	0.00128	0.00112	2.41E-06	1.149E-07	2.5406E-09	1.251E-09	2.52E-06	2.95E-06	1.41E-07	2.51E-09	7.00E-10	3.09E-06	2.60E-06	1.083E-07	2.435E-09	7.235E-10	2.71E-06
3148 487863.09, 3846377.25	0.00137	0.00136	0.00134	0.00139	0.00119	2.57E-06	1.193E-07	2.7589E-09	1.33E-09	2.70E-06	3.15E-06	1.46E-07	2.72E-09	7.44E-10	3.30E-06	2.78E-06	1.125E-07	2.644E-09	7.687E-10	2.898E-06
3149 488363.09, 3846377.25	0.00133	0.00128	0.0013	0.00134	0.00117	2.50E-06	1.123E-07	2.6597E-09	1.307E-09	2.62E-06	3.06E-06	1.38E-07	2.62E-09	7.32E-10	3.20E-06	2.70E-06	1.059E-07	2.549E-09	7.558E-10	2.81E-06
3150 488863.09, 3846377.25	0.00133	0.00134	0.00129	0.0013	0.00115	2.50E-06	1.176E-07	2.5803E-09	1.285E-09	2.62E-06	3.06E-06	1.44E-07	2.55E-09	7.19E-10	3.21E-06	2.70E-06	1.108E-07	2.473E-09	7.429E-10	2.814E-06
3151 489363.09, 3846377.25	0.00131	0.00123	0.00127	0.0013	0.00114	2.46E-06	1.079E-07	2.5803E-09	1.274E-09	2.57E-06	3.02E-06	1.32E-07	2.55E-09	7.13E-10	3.15E-06	2.66E-06	1.017E-07	2.473E-09	7.364E-10	2.765E-06
3152 489863.09, 3846377.25	0.00126	0.00124	0.00123	0.00123	0.0011	2.37E-06	1.088E-07	2.4413E-09	1.229E-09	2.48E-06	2.90E-06	1.33E-07	2.41E-09	6.88E-10	3.04E-06	2.56E-06	1.025E-07	2.34E-09	7.106E-10	2.664E-06
3153 490363.09, 3846377.25	0.00113	0.00121	0.00114	0.00108	0.00104	2.12E-06	1.061E-07	2.1436E-09	1.162E-09	2.23E-06	2.60E-06	1.30E-07	2.12E-09	6.50E-10	2.74E-06	2.29E-06	1.001E-07	2.054E-09	6.718E-10	2.397E-06
3154 490863.09, 3846377.25	0.0011	0.00128	0.00113	0.00104	0.00102	2.07E-06	1.123E-07	2.0642E-09	1.14E-09	2.18E-06	2.53E-06	1.38E-07	2.04E-09	6.38E-10	2.67E-06	2.23E-06	1.059E-07	1.978E-09	6.589E-10	2.342E-06
3155 491363.09, 3846377.25	0.00113	0.00132	0.00117	0.00106	0.00104	2.12E-06	1.158E-07	2.1039E-09	1.162E-09	2.24E-06	2.60E-06	1.42E-07	2.08E-09	6.50E-10	2.75E-06	2.29E-06	1.092E-07	2.016E-09	6.718E-10	2.406E-06
3156 491863.09, 3846377.25	0.00127	0.0014	0.00129	0.00122	0.00114	2.39E-06	1.228E-07	2.4215E-09	1.274E-09	2.51E-06	2.92E-06	1.51E-07	2.39E-09	7.13E-10	3.08E-06	2.58E-06	1.158E-07	2.321E-09	7.364E-10	2.697E-06
3157 492363.09, 3846377.25	0.00129	0.00133	0.00131	0.00123	0.00118	2.42E-06	1.167E-07	2.4413E-09	1.318E-09	2.54E-06	2.97E-06	1.43E-07	2.41E-09	7.38E-10	3.12E-06	2.62E-06	1.1E-07	2.34E-09	7.622E-10	2.732E-06
3158 492863.09, 3846377.25	0.00135	0.00142	0.00136	0.00129	0.00122	2.54E-06	1.246E-07	2.5604E-09	1.363E-09	2.67E-06	3.11E-06	1.53E-07	2.53E-09	7.63E-10	3.26E-06	2.74E-06	1.174E-07	2.454E-09	7.881E-10	2.862E-06
3159 493363.09, 3846377.25	0.00151	0.00156	0.0015	0.00145	0.0013	2.84E-06	1.369E-07	2.878E-09	1.453E-09	2.98E-06	3.48E-06	1.68E-07	2.84E-09	8.13E-10	3.65E-06	3.07E-06	1.29E-07	2.758E-09	8.398E-10	3.198E-06
3160 493863.09, 3846377.25	0.00164	0.00164	0.00161	0.00157	0.00138	3.08E-06	1.439E-07	3.1162E-09	1.542E-09	3.23E-06	3.78E-06	1.76E-07	3.08E-09	8.63E-10	3.96E-06	3.33E-06	1.356E-07	2.987E-09	8.914E-10	3.469E-06
3161 494363.09, 3846377.25	0.00176	0.00177	0.00173	0.00169	0.00145	3.31E-06	1.553E-07	3.3543E-09	1.62E-09	3.47E-06	4.05E-06	1.90E-07	3.31E-09	9.07E-10	4.25E-06	3.57E-06	1.464E-07	3.215E-09	9.367E-10	3.724E-06
3162 494863.09, 3846377.25	0.00188	0.00187	0.00183	0.00182	0.00152	3.53E-06	1.64E-07	3.6124E-09	1.698E-09	3.70E-06	4.33E-06	2.01E-07	3.57E-09	9.51E-10	4.53E-06	3.82E-06	1.546E-07	3.462E-09	9.819E-10	3.976E-06
3163 495363.09, 3846377.25	0.00201	0.00202	0.00194	0.00192	0.00161	3.78E-06	1.772E-07	3.8108E-09	1.799E-09	3.96E-06	4.63E-06	2.17E-07	3.76E-09	1.01E-09	4.85E-06	4.08E-06	1.671E-07	3.652E-09	1.04E-09	4.253E-06
3164 495863.09, 3846377.25	0.00217	0.00232	0.00209	0.00203	0.00171	4.08E-06	2.035E-07	4.0292E-09	1.911E-09	4.29E-06	5.00E-06	2.49E-07	3.98E-09	1.07E-09	5.25E-06	4.41E-06	1.919E-07	3.862E-09	1.105E-09	4.603E-06
3165 496363.09, 3846377.25	0.00233	0.00254	0.00225	0.00217	0.00182	4.38E-06	2.228E-07	4.307E-09	2.034E-09	4.61E-06	5.37E-06	2.73E-07	4.25E-09	1.14E-09	5.64E-06	4.73E-06	2.101E-07	4.128E-09	1.176E-09	4.946E-06
3166 496863.09, 3846377.25	0.0025	0.00268	0.00239	0.00231	0.00191	4.70E-06	2.351E-07	4.5849E-09	2.134E-09	4.94E-06	5.76E-06	2.88E-07	4.53E-09	1.19E-09	6.05E-06	5.08E-06	2.216E-07	4.394E-09	1.234E-09	5.303E-06
3167 497363.09, 3846377.25	0.00266	0.00283	0.00253	0.00247	0.002	5.00E-06	2.483E-07	4.9025E-09	2.235E-09	5.25E-06	6.13E-06	3.04E-07	4.84E-09	1.25E-09	6.44E-06	5.40E-06	2.34E-07	4.699E-09	1.292E-09	5.641E-06
3168 497863.09, 3846377.25	0.00281	0.00301	0.00267	0.00261	0.00209	5.28E-06	2.641E-07	5.1804E-09	2.335E-09	5.55E-06	6.47E-06	3.24E-07	5.11E-09	1.31E-09	6.80E-06	5.71E-06	2.489E-07	4.965E-09	1.35E-09	5.961E-06
3169 498363.09, 3846377.25	0.00295	0.00317	0.00281	0.00275	0.00218	5.54E-06	2.781E-07	5.4582E-09	2.436E-09	5.83E-06	6.79E-06	3.41E-07	5.39E-09	1.36E-09	7.14E-06	5.99E-06	2.622E-07	5.231E-09	1.408E-09	6.258E-06
3170 471363.09, 3846877.25	0.00594	0.0057	0.00557	0.00592	0.00469	1.12E-05	5E-07	1.175E-08	5.24E-09	1.17E-05	1.37E-05	6.13E-07	1.16E-08	2.93E-09	1.43E-05	1.21E-05	4.714E-07	1.126E-08	3.03E-09	1.255E-05
3171 471863.09, 3846877.25	0.00599	0.00568	0.00554	0.00593	0.00458	1.13E-05	4.983E-07	1.177E-08	5.117E-09	1.18E-05	1.38E-05	6.11E-07	1.16E-08	2.86E-09	1.44E-05	1.22E-05	4.697E-07	1.128E-08	2.959E-09	1.265E-05
3172 472363.09, 3846877.25	0.00579	0.0055	0.00538	0.00575	0.00432	1.09E-05	4.825E-07	1.1413E-08	4.827E-09	1.14E-05	1.33E-05	5.91E-07	1.13E-08	2.70E-09	1.39E-05	1.18E-05	4.548E-07	1.094E-08	2.791E-09	1.222E-05
3173 472863.09, 3846877.25	0.00403	0.004	0.00397	0.00417	0.00294	7.57E-06	3.509E-07	8.2767E-09	3.285E-09	7.94E-06	9.28E-06	4.30E-07	8.17E-09	1.84E-09	9.72E-06	8.18E-06	3.308E-07	7.932E-09	1.899E-09	8.523E-06
3174 473363.09, 3846877.25	0.0044	0.00429	0.00425	0.00449	0.00312	8.27E-06	3.763E-07	8.9118E-09	3.486E-09	8.66E-06	1.01E-05	4.61E-07	8.80E-09	1.95E-09	1.06E-05	8.93E-06	3.548E-07	8.541E-09	2.015E-09	9.299E-06
3175 473863.09, 3846877.25	0.00469	0.00455	0.00448	0.00483	0.00332	8.81E-06	3.992E-07	9.5867E-09	3.709E-09	9.23E-06	1.08E-05	4.89E-07	9.46E-09	2.08E-09	1.13E-05	9.52E-06	3.763E-07	9.188E-09	2.145E-09	9.91E-06
3176 474363.09, 3846877.25	0.00445	0.00425	0.0042	0.00452	0.00308	8.36E-06	3.728E-07	8.9714E-09	3.441E-09	8.75E-06	1.02E-05	4.57E-07	8.85E-09	1.93E-09	1.07E-05	9.04E-06	3.515E-07	8.598E-09	1.99E-09	9.397E-06
3177 474863.09, 3846877.25	0.00446	0.00426	0.0042	0.00447	0.00302	8.38E-06	3.737E-07	8.8721E-09	3.374E-09	8.77E-06	1.03E-05	4.58E-07	8.76E-09	1.89E-09	1.07E-05	9.06E-06	3.523E-07	8.503E-09	1.951E-09	9.418E-06
3178 475363.09, 3846877.25	0.00486	0.00471	0.0046	0.00484	0.0032	9.13E-06	4.132E-07	9.6065E-09	3.575E-09	9.56E-06	1.12E-05	5.06E-07	9.48E-09	2.00E-09	1.17E-05	9.87E-06	3.895E-07	9.207E-09	2.067E-09	1.027E-05
3179 475863.09, 3846877.25	0.00634	0.00629	0.00601	0.00612	0.00373	1.19E-05	5.518E-07	1.2147E-08	4.168E-09	1.25E-05	1.46E-05	6.76E-07	1.20E-08	2.33E-09	1.53E-05	1.29E-05	5.202E-07	1.164E-08	2.409E-09	1.341E-05
3180 476363.09, 3846877.25	0.00774	0.00775	0.00766	0.00798	0.00496	1.45E-05	6.799E-07	1.5839E-08	5.542E-09	1.52E-05	1.78E-05	8.33E-07	1.56E-08	3.10E-09	1.87E-05	1.57E-05	6.409E-07	1.518E-08	3.204E-09	1.637E-05
3181 476863.09, 3846877.25	0.00778	0.00784	0.00775	0.00799	0.00509	1.46E-05	6.878E-07	1.5859E-08	5.687E-09	1.53E-05	1.79E-05	8.43E-07	1.57E-08	3.18E-09	1.88E-05	1.58E-05	6.484E-07	1.52E-08	3.288E-09	1.646E-05
3182 477363.09, 3846877.25	0.00725	0.00716	0.00731	0.0077	0.00474	1.36E-05	6.281E-07	1.5283E-08	5.296E-09	1.43E-05	1.67E-05	7.70E-07	1.51E-08	2.96E-09	1.75E-05	1.47E-05	5.921E-07	1.465E-08	3.062E-09	1.533E-05
3183 477863.09, 3846877.25	0.00632	0.00588	0.00618	0.00662	0.00422	1.19E-05	5.158E-07	1.3139E-08	4.715E-09	1.24E-05	1.46E-05	6.32E-07	1.30E-08	2.64E-09	1.52E-05	1.28E-05	4.863E-07	1.259E-08	2.726E-09	1.333E-05
3184 478363.09, 3846877.25	0.00534	0.00563	0.00512	0.00532	0.0033	1.00E-05	4.939E-07	1.0559E-08	3.687E-09	1.05E-05	1.23E-05	6.05E-07	1.04E-08	2.06E-09	1.29E-05	1.08E-05	4.656E-07	1.012E-08	2.132E-09	1.132E-05
3185 478863.09, 3846877.25	0.00517	0.00458	0.00489	0.00546	0.0031	9.72E-06	4.018E-07	1.0837E-08	3.464E-09	1.01E-05	1.19E-05	4.92E-07	1.07E-08	1.94E-09	1.24E-05	1.05E-05	3.788E-07	1.039E-08	2.003E-09	1.089E-05
3186 479363.09, 3846877.25	0.00495	0.00468	0.00464	0.00507	0.00294	9.30E-06	4.106E-07	1.0063E-08	3.285E-09	9.73E-06	1.14E-05	5.03E-07	9.93E-09	1.84E-09	1.19E-05	1.01E-05	3.87E-07	9.644E-09	1.899E-09	1.045E-05
3187 479863.09, 3846877.25	0.00385	0.00393	0.00372	0.00392	0.0024	7.23E-06	3.448E-07	7.7805E-09	2.682E-09	7.59E-06	8.87E-06	4.22E-07	7.68E-09	1.50E-09	9.30E-06	7.82E-06	3.25E-07	7.457E-09	1.55E-09	8.151E-06
3188 480363.09, 3846877.25	0.00325	0.00304	0.00309	0.00342	0.00208	6.11E-06	2.667E-07	6.7881E-09	2.324E-09	6.38E-06	7.48E-06	3.27E-07	6.70E-09	1.30E-09	7.82E-06	6.60E-06	2.514E-07	6.506E-09	1.344E-09	6.858E-06
3189 480863.09, 3846877.25	0.00295	0.00263	0.00283	0.00308	0.00203	5.54E-06	2.307E-07	6.1132E-09	2.268E-09	5.78E-06	6.79E-06	2.83E-07	6.03E-09	1.27E-09	7.08E-06	5.99E-06	2.175E-07	5.859E-09	1.311E-09	6.214E-06
3190 481363.09, 3846877.25	0.00299	0.00279	0.00284	0.00308	0.00203	5.62E-06	2.448E-07	6.1132E-09	2.268E-09	5.87E-06	6.89E-06	3.00E-07	6.03E-09	1.27E-09	7.19E-06	6.07E-06	2.307E-07	5.859E-09	1.311E-09	6.309E-06
3191 481863.09, 3846877.25	0.00285	0.00294	0.00267	0.00285	0.00195	5.36E-06	2.579E-07	5.6567E-09	2.179E-09	5.62E-06	6.56E-06	3.16E-07	5.58E-09	1.22E-09	6.89E-06	5.79E-06	2.431E-07	5.421E-09	1.26E-09	6.036E-06
3192 482363.09, 3846877.25	0.00236	0.00218	0.00223	0.00243	0.00177	4.43E-06	1.912E-07	4.8231E-09	1.978E-09	4.63E-06	5.43E-06	2.34E-07	4.76E-09	1.11E-09	5.67E-06	4.79E-06	1.803E-07	4.622E-09	1.143E-09	4.978E-06
3193 482863.09, 3846877.25	0.0023	0.00214	0.00215	0.00234	0.00169	4.32E-06	1.877E-07	4.6445E-09	1.888E-09	4.52E-06	5.30E-06	2.30E-07	4.58E-09	1.06E-09	5.53E-06	4.67E-06	1.77E-07	4.451E-09	1.092E-09	4.852E-06
3194 483363.09, 3846877.25	0.00226	0.00217	0.00213	0.00234	0.00166	4.25E-06	1.904E-07	4.6445E-09	1.855E-09	4.44E-06	5.20E-06	2.33E-07	4.58E-09	1.04E-09	5.44E-06	4.59E-06	1.795E-07	4.451E-09	1.072E-09	4.774E-06
3195 483863.09, 3846877.25	0.00215	0.00198	0.00205	0.00222	0.00168	4.04E-06	1.737E-07	4.4063E-09	1.877E-09	4.22E-06	4.95E-06	2.13E-07	4.35E-09	1.05E-09	5.17E-06	4.37E-06	1.637E-07	4.223E-09	1.085E-09	4.534E-06
3196 484363.09, 3846877.25	0.00207	0.00198	0.00198	0.00213	0.00165	3.89E-06	1.737E-07	4.2277E-09	1.844E-09	4.07E-06	4.77E-06	2.13E-07	4.17E-09	1.03E-09	4.98E-06	4.20E-06	1.637E-07	4.052E-09	1.066E-09	4.372E-06

3197 484863.09, 3846877.25	0.00199	0.0018	0.00188	0.00205	0.00157	3.74E-06	1.579E-07	4.0689E-09	1.754E-09	3.90E-06	4.58E-06	1.94E-07	4.02E-09	9.82E-10	4.78E-06	4.04E-06	1.489E-07	3.9E-09	1.014E-09	4.194E-06
3198 485363.09, 3846877.25	0.00195	0.00182	0.00184	0.002	0.00156	3.66E-06	1.597E-07	3.9696E-09	1.743E-09	3.83E-06	4.49E-06	1.96E-07	3.92E-09	9.76E-10	4.69E-06	3.96E-06	1.505E-07	3.805E-09	1.008E-09	4.115E-06
3199 485863.09, 3846877.25	0.00178	0.00176	0.00171	0.0018	0.0015	3.34E-06	1.544E-07	3.5727E-09	1.676E-09	3.50E-06	4.10E-06	1.89E-07	3.53E-09	9.38E-10	4.29E-06	3.61E-06	1.455E-07	3.424E-09	9.69E-10	3.764E-06
3200 486363.09, 3846877.25	0.0018	0.00167	0.00169	0.00181	0.0015	3.38E-06	1.465E-07	3.5925E-09	1.676E-09	3.53E-06	4.15E-06	1.80E-07	3.55E-09	9.38E-10	4.33E-06	3.65E-06	1.381E-07	3.443E-09	9.69E-10	3.797E-06
3201 486863.09, 3846877.25	0.00157	0.00155	0.00149	0.00158	0.0013	2.95E-06	1.36E-07	3.136E-09	1.453E-09	3.09E-06	3.62E-06	1.67E-07	3.10E-09	8.13E-10	3.79E-06	3.19E-06	1.282E-07	3.006E-09	8.398E-10	3.32E-06
3202 487363.09, 3846877.25	0.00158	0.00161	0.00152	0.00159	0.0013	2.97E-06	1.412E-07	3.1559E-09	1.453E-09	3.11E-06	3.64E-06	1.73E-07	3.11E-09	8.13E-10	3.82E-06	3.21E-06	1.331E-07	3.025E-09	8.398E-10	3.345E-06
3203 487863.09, 3846877.25	0.00153	0.00148	0.00148	0.00155	0.0013	2.88E-06	1.298E-07	3.0765E-09	1.453E-09	3.01E-06	3.52E-06	1.59E-07	3.04E-09	8.13E-10	3.69E-06	3.11E-06	1.224E-07	2.948E-09	8.398E-10	3.233E-06
3204 488363.09, 3846877.25	0.00148	0.00144	0.00143	0.00146	0.00127	2.78E-06	1.263E-07	2.8978E-09	1.419E-09	2.91E-06	3.41E-06	1.55E-07	2.86E-09	7.94E-10	3.57E-06	3.00E-06	1.191E-07	2.777E-09	8.204E-10	3.128E-06
3205 488863.09, 3846877.25	0.00148	0.00145	0.00141	0.00144	0.00125	2.78E-06	1.272E-07	2.8581E-09	1.397E-09	2.91E-06	3.41E-06	1.56E-07	2.82E-09	7.82E-10	3.57E-06	3.00E-06	1.199E-07	2.739E-09	8.075E-10	3.128E-06
3206 489363.09, 3846877.25	0.00147	0.00136	0.0014	0.00144	0.00124	2.76E-06	1.193E-07	2.8581E-09	1.385E-09	2.89E-06	3.39E-06	1.46E-07	2.82E-09	7.76E-10	3.53E-06	2.98E-06	1.125E-07	2.739E-09	8.01E-10	3.101E-06
3207 489863.09, 3846877.25	0.00143	0.00144	0.00137	0.00138	0.00121	2.69E-06	1.263E-07	2.739E-09	1.352E-09	2.82E-06	3.29E-06	1.55E-07	2.70E-09	7.57E-10	3.45E-06	2.90E-06	1.191E-07	2.625E-09	7.816E-10	3.026E-06
3208 490363.09, 3846877.25	0.00131	0.00145	0.0013	0.00123	0.00114	2.46E-06	1.272E-07	2.4413E-09	1.274E-09	2.59E-06	3.02E-06	1.56E-07	2.41E-09	7.13E-10	3.18E-06	2.66E-06	1.199E-07	2.34E-09	7.364E-10	2.783E-06
3209 490863.09, 3846877.25	0.00131	0.00153	0.00132	0.00123	0.00115	2.46E-06	1.342E-07	2.4413E-09	1.285E-09	2.60E-06	3.02E-06	1.64E-07	2.41E-09	7.19E-10	3.18E-06	2.66E-06	1.265E-07	2.34E-09	7.429E-10	2.789E-06
3210 491363.09, 3846877.25	0.00135	0.00151	0.00137	0.00128	0.0012	2.54E-06	1.325E-07	2.5406E-09	1.341E-09	2.67E-06	3.11E-06	1.62E-07	2.51E-09	7.51E-10	3.27E-06	2.74E-06	1.249E-07	2.435E-09	7.752E-10	2.869E-06
3211 491863.09, 3846877.25	0.00135	0.00141	0.00136	0.00128	0.00122	2.54E-06	1.237E-07	2.5406E-09	1.363E-09	2.66E-06	3.11E-06	1.52E-07	2.51E-09	7.63E-10	3.26E-06	2.74E-06	1.166E-07	2.435E-09	7.881E-10	2.861E-06
3212 492363.09, 3846877.25	0.00154	0.0016	0.00152	0.00146	0.00133	2.89E-06	1.404E-07	2.8978E-09	1.486E-09	3.04E-06	3.55E-06	1.72E-07	2.86E-09	8.32E-10	3.72E-06	3.13E-06	1.323E-07	2.777E-09	8.591E-10	3.263E-06
3213 492863.09, 3846877.25	0.00163	0.00169	0.0016	0.00154	0.00137	3.06E-06	1.483E-07	3.0566E-09	1.531E-09	3.22E-06	3.75E-06	1.82E-07	3.02E-09	8.57E-10	3.94E-06	3.31E-06	1.398E-07	2.929E-09	8.85E-10	3.453E-06
3214 493363.09, 3846877.25	0.00177	0.00178	0.00173	0.00168	0.00145	3.33E-06	1.562E-07	3.3345E-09	1.62E-09	3.49E-06	4.08E-06	1.91E-07	3.29E-09	9.07E-10	4.27E-06	3.59E-06	1.472E-07	3.196E-09	9.367E-10	3.745E-06
3215 493863.09, 3846877.25	0.00189	0.00189	0.00183	0.0018	0.00153	3.55E-06	1.658E-07	3.5727E-09	1.709E-09	3.72E-06	4.35E-06	2.03E-07	3.53E-09	9.57E-10	4.56E-06	3.84E-06	1.563E-07	3.424E-09	9.883E-10	3.998E-06
3216 494363.09, 3846877.25	0.00199	0.00197	0.00192	0.0019	0.00159	3.74E-06	1.728E-07	3.7711E-09	1.777E-09	3.92E-06	4.58E-06	2.12E-07	3.72E-09	9.94E-10	4.80E-06	4.04E-06	1.629E-07	3.614E-09	1.027E-09	4.208E-06
3217 494863.09, 3846877.25	0.00213	0.00213	0.00204	0.00201	0.00168	4.00E-06	1.869E-07	3.9895E-09	1.877E-09	4.20E-06	4.90E-06	2.29E-07	3.94E-09	1.05E-09	5.14E-06	4.32E-06	1.761E-07	3.824E-09	1.085E-09	4.506E-06
3218 495363.09, 3846877.25	0.00226	0.00242	0.00218	0.00211	0.00176	4.25E-06	2.123E-07	4.188E-09	1.966E-09	4.47E-06	5.20E-06	2.60E-07	4.13E-09	1.10E-09	5.47E-06	4.59E-06	2.001E-07	4.014E-09	1.137E-09	4.794E-06
3219 495863.09, 3846877.25	0.00241	0.00265	0.00231	0.00222	0.00185	4.53E-06	2.325E-07	4.4063E-09	2.067E-09	4.77E-06	5.55E-06	2.85E-07	4.35E-09	1.16E-09	5.84E-06	4.89E-06	2.192E-07	4.223E-09	1.195E-09	5.118E-06
3220 496363.09, 3846877.25	0.00258	0.00279	0.00247	0.00237	0.00196	4.85E-06	2.448E-07	4.704E-09	2.19E-09	5.10E-06	5.94E-06	3.00E-07	4.64E-09	1.23E-09	6.25E-06	5.24E-06	2.307E-07	4.508E-09	1.266E-09	5.475E-06
3221 496863.09, 3846877.25	0.00279	0.003	0.00265	0.00258	0.0021	5.24E-06	2.632E-07	5.1208E-09	2.346E-09	5.51E-06	6.42E-06	3.23E-07	5.05E-09	1.31E-09	6.75E-06	5.66E-06	2.481E-07	4.908E-09	1.357E-09	5.919E-06
3222 497363.09, 3846877.25	0.00307	0.0033	0.00291	0.00284	0.00224	5.77E-06	2.895E-07	5.6369E-09	2.503E-09	6.07E-06	7.07E-06	3.55E-07	5.56E-09	1.40E-09	7.43E-06	6.23E-06	2.729E-07	5.402E-09	1.447E-09	6.513E-06
3223 497863.09, 3846877.25	0.00333	0.00358	0.00315	0.0031	0.0024	6.26E-06	3.141E-07	6.1529E-09	2.682E-09	6.58E-06	7.67E-06	3.85E-07	6.07E-09	1.50E-09	8.06E-06	6.76E-06	2.961E-07	5.897E-09	1.55E-09	7.065E-06
3224 498363.09, 3846877.25	0.00346	0.0037	0.0033	0.00325	0.00252	6.50E-06	3.246E-07	6.4506E-09	2.816E-09	6.84E-06	7.97E-06	3.98E-07	6.37E-09	1.58E-09	8.37E-06	7.03E-06	3.06E-07	6.182E-09	1.628E-09	7.339E-06
3225 471363.09, 3847377.25	0.00636	0.00619	0.00603	0.00627	0.005	1.20E-05	5.43E-07	1.2445E-08	5.587E-09	1.25E-05	1.46E-05	6.65E-07	1.23E-08	3.13E-09	1.53E-05	1.29E-05	5.119E-07	1.193E-08	3.23E-09	1.344E-05
3226 471863.09, 3847377.25	0.00648	0.00624	0.00608	0.00644	0.00515	1.22E-05	5.474E-07	1.2782E-08	5.754E-09	1.27E-05	1.49E-05	6.71E-07	1.26E-08	3.22E-09	1.56E-05	1.32E-05	5.16E-07	1.225E-08	3.327E-09	1.369E-05
3227 472363.09, 3847377.25	0.00657	0.00624	0.00608	0.0065	0.00509	1.23E-05	5.474E-07	1.2901E-08	5.687E-09	1.29E-05	1.51E-05	6.71E-07	1.27E-08	3.18E-09	1.58E-05	1.33E-05	5.16E-07	1.236E-08	3.288E-09	1.387E-05
3228 472863.09, 3847377.25	0.00639	0.00608	0.00592	0.00631	0.00473	1.20E-05	5.334E-07	1.2524E-08	5.285E-09	1.26E-05	1.47E-05	6.54E-07	1.24E-08	2.96E-09	1.54E-05	1.30E-05	5.028E-07	1.2E-08	3.055E-09	1.349E-05
3229 473363.09, 3847377.25	0.00536	0.00523	0.00515	0.00548	0.0038	1.01E-05	4.588E-07	1.0877E-08	4.246E-09	1.05E-05	1.23E-05	5.62E-07	1.07E-08	2.38E-09	1.29E-05	1.09E-05	4.325E-07	1.042E-08	2.455E-09	1.133E-05
3230 473863.09, 3847377.25	0.0053	0.00515	0.00506	0.00541	0.00373	9.96E-06	4.518E-07	1.0738E-08	4.168E-09	1.04E-05	1.22E-05	5.54E-07	1.06E-08	2.33E-09	1.28E-05	1.08E-05	4.259E-07	1.029E-08	2.409E-09	1.12E-05
3231 474363.09, 3847377.25	0.00551	0.00531	0.00521	0.00563	0.00388	1.04E-05	4.658E-07	1.1175E-08	4.335E-09	1.08E-05	1.27E-05	5.71E-07	1.10E-08	2.43E-09	1.33E-05	1.12E-05	4.391E-07	1.071E-08	2.506E-09	1.164E-05
3232 474863.09, 3847377.25	0.0051	0.00487	0.0048	0.0052	0.00352	9.58E-06	4.272E-07	1.0321E-08	3.933E-09	1.00E-05	1.17E-05	5.24E-07	1.02E-08	2.20E-09	1.23E-05	1.04E-05	4.027E-07	9.892E-09	2.274E-09	1.077E-05
3233 475363.09, 3847377.25	0.00481	0.00458	0.00451	0.0048	0.0032	9.04E-06	4.018E-07	9.5271E-09	3.575E-09	9.45E-06	1.11E-05	4.92E-07	9.40E-09	2.00E-09	1.16E-05	9.77E-06	3.788E-07	9.131E-09	2.067E-09	1.016E-05
3234 475863.09, 3847377.25	0.00568	0.00546	0.00529	0.00559	0.00371	1.07E-05	4.79E-07	1.1095E-08	4.145E-09	1.12E-05	1.31E-05	5.87E-07	1.10E-08	2.32E-09	1.37E-05	1.15E-05	4.515E-07	1.063E-08	2.397E-09	1.2E-05
3235 476363.09, 3847377.25	0.00751	0.0074	0.00703	0.00719	0.0045	1.41E-05	6.492E-07	1.4271E-08	5.028E-09	1.48E-05	1.73E-05	7.96E-07	1.41E-08	2.81E-09	1.81E-05	1.52E-05	6.12E-07	1.368E-08	2.907E-09	1.588E-05
3236 476863.09, 3847377.25	0.00862	0.00863	0.00849	0.00884	0.00548	1.62E-05	7.571E-07	1.7546E-08	6.123E-09	1.70E-05	1.99E-05	9.28E-07	1.73E-08	3.43E-09	2.08E-05	1.75E-05	7.137E-07	1.682E-08	3.54E-09	1.824E-05
3237 477363.09, 3847377.25	0.00884	0.00892	0.00877	0.00906	0.00579	1.66E-05	7.825E-07	1.7982E-08	6.469E-09	1.74E-05	2.04E-05	9.59E-07	1.77E-08	3.62E-09	2.13E-05	1.79E-05	7.377E-07	1.723E-08	3.74E-09	1.871E-05
3238 477863.09, 3847377.25	0.00802	0.00781	0.00806	0.00855	0.00524	1.51E-05	6.851E-07	1.697E-08	5.855E-09	1.58E-05	1.85E-05	8.40E-07	1.67E-08	3.28E-09	1.93E-05	1.63E-05	6.459E-07	1.626E-08	3.385E-09	1.695E-05
3239 478363.09, 3847377.25	0.0071	0.00671	0.00686	0.00731	0.00469	1.33E-05	5.886E-07	1.4509E-08	5.24E-09	1.40E-05	1.63E-05	7.21E-07	1.43E-08	2.93E-09	1.71E-05	1.44E-05	5.549E-07	1.391E-08	3.03E-09	1.499E-05
3240 478863.09, 3847377.25	0.00627	0.00652	0.00596	0.00629	0.00378	1.18E-05	5.72E-07	1.2484E-08	4.223E-09	1.24E-05	1.44E-05	7.01E-07	1.23E-08	2.36E-09	1.52E-05	1.27E-05	5.392E-07	1.197E-08	2.442E-09	1.328E-05
3241 479363.09, 3847377.25	0.00507	0.0044	0.0048	0.00537	0.00305	9.53E-06	3.86E-07	1.0658E-08	3.408E-09	9.93E-06	1.17E-05	4.73E-07	1.05E-08	1.91E-09	1.22E-05	1.03E-05	3.639E-07	1.022E-08	1.97E-09	1.067E-05
3242 479863.09, 3847377.25	0.00375	0.00373	0.00362	0.00389	0.00242	7.05E-06	3.272E-07	7.7209E-09	2.704E-09	7.38E-06	8.64E-06	4.01E-07	7.62E-09	1.51E-09	9.05E-06	7.61E-06	3.085E-07	7.4E-09	1.563E-09	7.931E-06
3243 480363.09, 3847377.25	0.00256	0.00261	0.00249	0.00258	0.0019	4.81E-06	2.29E-07	5.1208E-09	2.123E-09	5.05E-06	5.90E-06	2.81E-07	5.05E-09	1.19E-09	6.18E-06	5.20E-06	2.158E-07	4.908E-09	1.227E-09	5.42E-06
3244 480863.09, 3847377.25	0.00228	0.00214	0.0022	0.00235	0.00177	4.28E-06	1.877E-07	4.6643E-09	1.978E-09	4.48E-06	5.25E-06	2.30E-07	4.60E-09	1.11E-09	5.49E-06	4.63E-06	1.77E-07	4.47E-09	1.143E-09	4.812E-06
3245 481363.09, 3847377.25	0.0025	0.00233	0.0024	0.00258	0.00187	4.70E-06	2.044E-07	5.1208E-09	2.089E-09	4.91E-06	5.76E-06	2.50E-07	5.05E-09	1.17E-09	6.01E-06	5.08E-06	1.927E-07	4.908E-09	1.208E-09	5.275E-06
3246 481863.09, 3847377.25	0.00316	0.00315	0.00298	0.0032	0.00212	5.94E-06	2.763E-07	6.3514E-09	2.369E-09	6.22E-06	7.28E-06	3.39E-07	6.27E-09	1.33E-09	7.62E-06	6.42E-06	2.605E-07	6.087E-09	1.369E-09	6.684E-06
3247 482363.09, 3847377.25	0.00294	0.00289	0.00277	0.00298	0.00206	5.52E-06	2.535E-07	5.9147E-09	2.302E-09	5.79E-06	6.77E-06	3.11E-07	5.84E-09	1.29E-09	7.09E-06	5.97E-06	2.39E-07	5.669E-09	1.331E-09	6.215E-06
3248 482863.09, 3847377.25	0.00269	0.00244	0.0025	0.00274	0.00192	5.06E-06	2.141E-07	5.4384E-09	2.145E-09	5.28E-06	6.19E-06	2.62E-07	5.37E-09	1.20E-09	6.46E-06	5.46E-06	2.018E-07	5.212E-09	1.24E-09	5.67E-06
3249 483363.09, 3847377.25	0.00255	0.00247	0.00239	0.00263	0.00183	4.79E-06	2.167E-07	5.2201E-09	2.045E-09	5.02E-06	5.87E-06	2.66E-07	5.15E-09	1.14E-09	6.14E-06	5.18E-06	2.043E-07	5.003E-09	1.182E-09	5.388E-06
3250 483863.09, 3847377.25	0.00246	0.00219	0.00233	0.00257	0.00186	4.62E-06	1.921E-07	5.101E-09	2.078E-09	4.82E-06	5.66E-06	2.35E-07	5.03E-09	1.16E-09	5.91E-06	4.99E-06	1.811E-07	4.889E-09	1.202E-09	5.182E-06
3251 484363.09, 3847377.25	0.0025	0.00241	0.00238	0.00255	0.00188	4.70E-06	2.114E-07	5.0613E-09	2.101E-09	4.92E-06	5.76E-06	2.59E-07	5.00E-09	1.18E-09	6.02E-06	5.08E-06	1.993E-07	4.851E-09	1.214E-09	5.281E-06
3252 484863.09, 3847377.25	0.00235	0.00212	0.0022	0.00244	0.00177	4.42E-06	1.86E-07	4.8429E-09	1.978E-09	4.61E-06	5.41E-06	2.28E-07	4.78E-09	1.11E-09	5.65E-06	4.77E-06	1.753E-07	4.641E-09	1.143E-09	4.952E-06
3253 485363.09, 3847377.25	0.00226	0.00206	0.00211	0.00232	0.00173	4.25E-06	1.807E-07	4.6048E-09	1.933E-09	4.43E-06	5.20E-06	2.21E-07	4.54E-09	1.08E-09	5.43E-06	4.59E-06	1.704E-07	4.413E-09	1.118E-09	4.765E-06
3254 485863.09, 3847377.25	0.00217	0.00212	0.00207	0.0022	0.00172	4.08E-06	1.86E-07	4.3666E-09	1.922E-09	4.27E-06	5.00E-06	2.28E-07	4.31E-09	1.08E-09	5.23E-06	4.41E-06	1.753E-07	4.185E-09	1.111E-09	4.587E-06
3255 486363.09, 3847377.25	0.00213	0.002	0.00198	0.00214	0.00167	4.00E-06	1.755E-07	4.2475E-09	1.866E-09	4.18E-06	4.90E-06	2.15E-07	4.19E-09	1.04E-09	5.13E-06	4.32E-06	1.654E-07	4.071E-09	1.079E-09	4.495E-06
3256 486863.09, 3847377.25	0.00191	0.00186	0.00178	0.00193	0.0015	3.59E-06	1.632E-07	3.8307E-09	1.676E-09	3.76E-06	4.40E-06	2.00E-07	3.78E-09	9.38E-10	4.60E-06	3.88E-06	1.538E-07	3.671E-09	9.69E-10	4.036E-06
3257 487363.09, 3847377.25	0.00189	0.00187	0.00179	0.00192	0.00149	3.55E-06	1.64E-07	3.8108E-09	1.665E-09	3.72E-06	4.35E-06	2.01E-07	3.76E-09	9.32E-10	4.56E-06	3.84E-06	1.546E-07	3.652E-09	9.625E-10	3.997E-06
3258 487863.09, 3847377.25	0.00174	0.00163	0.00167	0.00174	0.00144	3.27E-06	1.43E-07	3.4536E-09	1.609E-09	3.42E-06	4.01E-06	1.75E-07	3.41E-09	9.01E-10	4.19E-06	3.53E-06	1.348E-07	3.31E-09	9.302E-10	3.672E-06
3259 488363.09, 3847377.25	0.0017	0.00166	0.00161	0.00166	0.0014	3.19E-06	1.456E-07	3.2948E-09	1.564E-09	3.35E-06	3.91E-06	1.78E-07	3.25E-09	8.76E-10	4.10E-06	3.45E-06	1.373E-07	3.158E-09	9.044E-10	3.593E-06
3260 488863.09, 3847377.25	0.00168	0.00157	0.00159	0.00164	0.00137	3.16E-06	1.377E-07	3.2551E-09	1.531E-09	3.30E-06	3.87E-06	1.69E-07	3.21E-09	8.57E-10	4.04E-06	3.41E-06	1.298E-07	3.12E-09	8.85E-10	3.545E-06
3261 489363.09, 3847377.25	0.00168	0.00157	0.00158	0.00163	0.00137	3.16E-06	1.377E-07	3.2352E-09	1.531E-09	3.30E-06	3.87E-06	1.69E-07	3.19E-09	8.57E-10	4.04E-06	3.41E-06	1.298E-07	3.101E-09	8.85E-10	3.545E-06
3262 489863.09, 3847377.25	0.00161	0.00167	0.00153	0.00152	0.00131	3.03E-06	1.465E-07	3.0169E-09	1.464E-09	3.18E-06	3.71E-06	1.80E-07	2.98E-09	8.19E-10	3.89E-06	3.27E-06	1.381E-07	2.891E-09	8.462E-10	3.411E-06
3263 490363.09, 3847377.25	0.00157	0.00181	0.00153	0.00145	0.00129	2.95E-06	1.588E-07	2.878E-09	1.441E-09	3.11E-06	3.62E-06	1.95E-07	2.84E-09	8.07E-10	3.81E-06	3.19E-06	1.497E-07	2.758E-09	8.333E-10	3.341E-06
3264 490863.09, 3847377.25	0.0016	0.00181	0.00157	0.0015	0.00133	3.01E-06	1.588E-07	2.9772E-09	1.486E-09	3.17E-06	3.68E-06	1.95E-07	2.94E-09	8.32E-10	3.88E-06	3.25E-06	1.497E-07	2.853E-09	8.591E-10	3.402E-06
3265 491363.09, 3847377.25	0.00162	0.00171	0.00159	0.00153	0.00137	3.04E-06	1.5E-07	3.0368E-09	1.531E-09	3.20E-06	3.73E-06	1.84E-07	3.00E-09	8.57E-10	3.92E-06	3.29E-06	1.414E-07	2.91E-09	8.85E-10	3.434E-06
3266 491863.09, 3847377.25	0.00177	0.0018	0.00172	0.00167	0.00146	3.33E-06	1.579E-07	3.3146E-09	1.631E-09	3.49E-06	4.08E-06	1.94E-07	3.27E-09	9.13E-10	4.27E-06	3.59E-06	1.489E-07	3.177E-09	9.431E-10	3.747E-06
3267 492363.09, 3847377.25	0.00181	0.00188	0.00175	0.00171	0.00147	3.40E-06	1.649E-07	3.394E-09	1.642E-09	3.57E-06	4.17E-06	2.02E-07	3.35E-09	9.19E-10	4.37E-06	3.67E-06	1.555E-07	3.253E-09	9.496E-10	3.835E-06
3268 492863.09, 3847377.25	0.00195	0.00197	0.00188	0.00183	0.00156	3.66E-06	1.728E-07	3.6322E-09	1.743E-09	3.84E-06	4.49E-06	2.12E-07	3.58E-09	9.76E-10	4.71E-06	3.96E-06	1.629E-07	3.481E-09	1.008E-09	4.127E-06
3269 493363.09, 3847377.25	0.00206	0.00204	0.00198	0.00195	0.00163	3.87E-06	1.79E-07	3.8704E-09	1.821E-09	4.06E-06	4.74E-06	2.19E-07	3.82E-09	1.02E-09	4.97E-06	4.18E-06	1.687E-07	3.709E-09	1.053E-09	4.356E-06
3270 493863.09, 3847377.25	0.00213	0.0021	0.00203	0.002	0.00168	4.00E-06	1.842E-07	3.9696E-09	1.877E-09	4.19E-06	4.90E-06	2.26E-07	3.92E-09	1.05E-09	5.14E-06	4.32E-06	1.737E-07	3.805E-09	1.085E-09	4.503E-06
3271 494363.09, 3847377.25	0.00221	0.00223	0.00211	0.00206	0.00173	4.15E-06	1.956E-07	4.0887E-09	1.933E-09	4.35E-06	5.09E-06	2.40E-07	4.04E-09	1.08E-09	5.33E-06	4.49E-06	1.844E-07	3.919E-09	1.118E-09	4.677E-06
3272 494863.09, 3847377.25	0.00233	0.00251	0.00223	0.00215	0.00181	4.38E-06	2.202E-07	4.2674E-09	2.022E-09	4.61E-06	5.37E-06	2.70E-07	4.21E-09	1.13E-09	5.64E-06	4.73E-06	2.076E-07	4.09E-09	1.169E-09	4.944E-06
3273 495363.09, 3847377.25	0.00247	0.00273	0.00236	0.00225	0.00189	4.64E-06	2.395E-07	4.4658E-09	2.112E-09	4.89E-06	5.69E-06	2.93E-07	4.41E-09	1.18E-09	5.99E-06	5.02E-06	2.258E-07	4.28E-09	1.221E-09	5.246E-06
3274 495863.09, 3847377.25	0.00264	0.00288	0.00251	0.00242	0.002	4.96E-06	2.527E-07	4.8033E-09	2.235E-09	5.22E-06	6.08E-06	3.10E-07	4.74E-09	1.25E-09	6.40E-06	5.36E-06	2.382E-07	4.603E-09	1.292E-09	5.604E-06
3275 496363.09, 3847377.25	0.00281	0.00303	0.00267	0.00258	0.00211	5.28E-06	2.658E-07	5.1208E-09	2.358E-09	5.55E-06	6.47E-06	3.26E-07	5.05E-09	1.32E-09	6.80E-06	5.71E-06	2.506E-07	4.908E-09	1.363E-09	5.962E-06
3276 496863.09, 3847377.25	0.00308	0.00332	0.00292	0.00284	0.00227	5.79E-06	2.913E-07	5.6369E-09	2.536E-09	6.09E-06	7.09E-06	3.57E-07	5.56E-09	1.42E-09	7.46E-06	6.25E-06	2.746E-07	5.402E-09	1.466E-09	6.535E-06

3277 497363.09, 3847377.25	0.00345	0.00372	0.00326	0.00319	0.0025	6.48E-06	3.263E-07	6.3316E-09	2.793E-09	6.82E-06	7.94E-06	4.00E-07	6.25E-09	1.56E-09	8.35E-06	7.00E-06	3.076E-07	6.068E-09	1.615E-09	7.32E-06
3278 497863.09, 3847377.25	0.00389	0.00414	0.00368	0.00364	0.00277	7.31E-06	3.632E-07	7.2247E-09	3.095E-09	7.68E-06	8.96E-06	4.45E-07	7.13E-09	1.73E-09	9.41E-06	7.90E-06	3.424E-07	6.924E-09	1.789E-09	8.249E-06
3279 498363.09, 3847377.25	0.0041	0.00432	0.00392	0.00388	0.00295	7.70E-06	3.79E-07	7.7011E-09	3.296E-09	8.09E-06	9.44E-06	4.64E-07	7.60E-09	1.85E-09	9.92E-06	8.32E-06	3.573E-07	7.3811E-09	1.906E-09	8.691E-06
3280 471363.09, 3847877.25	0.00682	0.00667	0.00654	0.0068	0.00545	1.28E-05	5.851E-07	1.3497E-08	6.089E-09	1.34E-05	1.57E-05	7.17E-07	1.33E-08	3.41E-09	1.64E-05	1.38E-05	5.516E-07	1.294E-08	3.521E-09	1.442E-05
3281 471863.09, 3847877.25	0.007	0.00682	0.00662	0.00688	0.0055	1.32E-05	5.983E-07	1.3656E-08	6.145E-09	1.38E-05	1.61E-05	7.33E-07	1.35E-08	3.44E-09	1.69E-05	1.42E-05	5.64E-07	1.309E-08	3.553E-09	1.479E-05
3282 472363.09, 3847877.25	0.00713	0.00687	0.00667	0.00702	0.00564	1.34E-05	6.027E-07	1.3933E-08	6.302E-09	1.40E-05	1.64E-05	7.39E-07	1.38E-08	3.53E-09	1.72E-05	1.45E-05	5.681E-07	1.335E-08	3.643E-09	1.506E-05
3283 472863.09, 3847877.25	0.00722	0.00688	0.00669	0.00714	0.00566	1.36E-05	6.036E-07	1.4172E-08	6.324E-09	1.42E-05	1.66E-05	7.40E-07	1.40E-08	3.54E-09	1.74E-05	1.47E-05	5.69E-07	1.358E-08	3.656E-09	1.525E-05
3284 473363.09, 3847877.25	0.00732	0.00688	0.00668	0.00721	0.00558	1.38E-05	6.036E-07	1.4311E-08	6.235E-09	1.44E-05	1.69E-05	7.40E-07	1.41E-08	3.49E-09	1.76E-05	1.49E-05	5.69E-07	1.372E-08	3.605E-09	1.545E-05
3285 473863.09, 3847877.25	0.00703	0.00668	0.00648	0.00698	0.0052	1.32E-05	5.86E-07	1.3854E-08	5.81E-09	1.38E-05	1.62E-05	7.18E-07	1.37E-08	3.25E-09	1.69E-05	1.43E-05	5.524E-07	1.328E-08	3.359E-09	1.484E-05
3286 474363.09, 3847877.25	0.00613	0.00594	0.00581	0.00624	0.0043	1.15E-05	5.211E-07	1.2385E-08	4.804E-09	1.21E-05	1.41E-05	6.39E-07	1.22E-08	2.69E-09	1.48E-05	1.24E-05	4.912E-07	1.187E-08	2.778E-09	1.295E-05
3287 474863.09, 3847877.25	0.00635	0.00608	0.00594	0.00643	0.00445	1.19E-05	5.334E-07	1.2762E-08	4.972E-09	1.25E-05	1.46E-05	6.54E-07	1.26E-08	2.78E-09	1.53E-05	1.29E-05	5.028E-07	1.223E-08	2.875E-09	1.341E-05
3288 475363.09, 3847877.25	0.00582	0.00557	0.00546	0.00595	0.00401	1.09E-05	4.886E-07	1.181E-08	4.48E-09	1.14E-05	1.34E-05	5.99E-07	1.17E-08	2.51E-09	1.40E-05	1.18E-05	4.606E-07	1.132E-08	2.59E-09	1.229E-05
3289 475863.09, 3847877.25	0.00537	0.0051	0.00501	0.00535	0.00352	1.01E-05	4.474E-07	1.0619E-08	3.933E-09	1.06E-05	1.24E-05	5.48E-07	1.05E-08	2.20E-09	1.29E-05	1.09E-05	4.218E-07	1.018E-08	2.274E-09	1.134E-05
3290 476363.09, 3847877.25	0.00672	0.00637	0.00612	0.00651	0.00439	1.26E-05	5.588E-07	1.2921E-08	4.905E-09	1.32E-05	1.55E-05	6.85E-07	1.28E-08	2.75E-09	1.62E-05	1.36E-05	5.268E-07	1.238E-08	2.836E-09	1.419E-05
3291 476863.09, 3847877.25	0.00835	0.00821	0.00776	0.00794	0.00499	1.57E-05	7.202E-07	1.5759E-08	5.575E-09	1.64E-05	1.92E-05	8.83E-07	1.56E-08	3.12E-09	2.01E-05	1.70E-05	6.79E-07	1.51E-08	3.223E-09	1.765E-05
3292 477363.09, 3847877.25	0.00987	0.00987	0.00963	0.01003	0.00634	1.85E-05	8.659E-07	1.9908E-08	7.084E-09	1.94E-05	2.27E-05	1.06E-06	1.96E-08	3.97E-09	2.38E-05	2.00E-05	8.162E-07	1.908E-08	4.095E-09	2.088E-05
3293 477863.09, 3847877.25	0.00998	0.01009	0.0099	0.01025	0.00657	1.88E-05	8.852E-07	2.0344E-08	7.341E-09	1.97E-05	2.30E-05	1.08E-06	2.01E-08	4.11E-09	2.41E-05	2.03E-05	8.344E-07	1.95E-08	4.244E-09	2.112E-05
3294 478363.09, 3847877.25	0.00907	0.00866	0.00902	0.00965	0.00595	1.70E-05	7.597E-07	1.9153E-08	6.648E-09	1.78E-05	2.09E-05	9.31E-07	1.89E-08	3.72E-09	2.18E-05	1.84E-05	7.162E-07	1.836E-08	3.844E-09	1.915E-05
3295 478863.09, 3847877.25	0.00783	0.00764	0.00753	0.00798	0.00507	1.47E-05	6.702E-07	1.5839E-08	5.665E-09	1.54E-05	1.80E-05	8.21E-07	1.56E-08	3.17E-09	1.89E-05	1.59E-05	6.318E-07	1.518E-08	3.275E-09	1.655E-05
3296 479363.09, 3847877.25	0.00522	0.00521	0.00505	0.00542	0.00315	9.81E-06	4.571E-07	1.0758E-08	3.52E-09	1.03E-05	1.20E-05	5.60E-07	1.06E-08	1.97E-09	1.26E-05	1.06E-05	4.309E-07	1.031E-08	2.035E-09	1.104E-05
3297 479863.09, 3847877.25	0.00304	0.00285	0.00294	0.00314	0.00225	5.71E-06	2.5E-07	6.2323E-09	2.514E-09	5.97E-06	7.00E-06	3.06E-07	6.15E-09	1.41E-09	7.31E-06	6.17E-06	2.357E-07	5.973E-09	1.453E-09	6.415E-06
3298 480363.09, 3847877.25	0.00313	0.0032	0.00303	0.0032	0.00223	5.88E-06	2.807E-07	6.3514E-09	2.492E-09	6.17E-06	7.21E-06	3.44E-07	6.27E-09	1.39E-09	7.56E-06	6.36E-06	2.646E-07	6.087E-09	1.441E-09	6.627E-06
3299 480863.09, 3847877.25	0.00272	0.00264	0.00263	0.00281	0.00201	5.11E-06	2.316E-07	5.5773E-09	2.246E-09	5.35E-06	6.26E-06	2.84E-07	5.50E-09	1.26E-09	6.55E-06	5.52E-06	2.183E-07	5.345E-09	1.298E-09	5.748E-06
3300 481363.09, 3847877.25	0.00275	0.00253	0.00264	0.00285	0.00202	5.17E-06	2.219E-07	5.6567E-09	2.257E-09	5.40E-06	6.33E-06	2.72E-07	5.58E-09	1.26E-09	6.61E-06	5.58E-06	2.092E-07	5.421E-09	1.305E-09	5.799E-06
3301 481863.09, 3847877.25	0.00377	0.0036	0.00355	0.00391	0.00242	7.08E-06	3.158E-07	7.7606E-09	2.704E-09	7.41E-06	8.68E-06	3.87E-07	7.66E-09	1.51E-09	9.08E-06	7.65E-06	2.977E-07	7.438E-09	1.563E-09	7.961E-06
3302 482363.09, 3847877.25	0.00351	0.00357	0.00331	0.00356	0.00231	6.60E-06	3.132E-07	7.0659E-09	2.581E-09	6.92E-06	8.08E-06	3.84E-07	6.97E-09	1.44E-09	8.48E-06	7.13E-06	2.952E-07	6.772E-09	1.492E-09	7.43E-06
3303 482863.09, 3847877.25	0.00307	0.00281	0.00287	0.00313	0.00218	5.77E-06	2.465E-07	6.2125E-09	2.436E-09	6.02E-06	7.07E-06	3.02E-07	6.13E-09	1.36E-09	7.38E-06	6.23E-06	2.324E-07	5.954E-09	1.408E-09	6.473E-06
3304 483363.09, 3847877.25	0.00295	0.00286	0.00274	0.00302	0.00203	5.54E-06	2.509E-07	5.9941E-09	2.268E-09	5.80E-06	6.79E-06	3.07E-07	5.92E-09	1.27E-09	7.11E-06	5.99E-06	2.365E-07	5.745E-09	1.311E-09	6.233E-06
3305 483863.09, 3847877.25	0.00288	0.00248	0.00271	0.00303	0.00207	5.41E-06	2.176E-07	6.014E-09	2.313E-09	5.64E-06	6.63E-06	2.67E-07	5.94E-09	1.29E-09	6.91E-06	5.85E-06	2.051E-07	5.764E-09	1.337E-09	6.06E-06
3306 484363.09, 3847877.25	0.00291	0.00283	0.00276	0.00298	0.0021	5.47E-06	2.483E-07	5.9147E-09	2.346E-09	5.73E-06	6.70E-06	3.04E-07	5.84E-09	1.31E-09	7.01E-06	5.91E-06	2.34E-07	5.669E-09	1.357E-09	6.149E-06
3307 484863.09, 3847877.25	0.00279	0.00249	0.0026	0.0029	0.00201	5.24E-06	2.184E-07	5.756E-09	2.246E-09	5.47E-06	6.42E-06	2.68E-07	5.68E-09	1.26E-09	6.70E-06	5.66E-06	2.059E-07	5.517E-09	1.298E-09	5.877E-06
3308 485363.09, 3847877.25	0.00274	0.0024	0.00254	0.00285	0.00198	5.15E-06	2.105E-07	5.6567E-09	2.212E-09	5.37E-06	6.31E-06	2.58E-07	5.58E-09	1.24E-09	6.57E-06	5.56E-06	1.985E-07	5.421E-09	1.279E-09	5.768E-06
3309 485863.09, 3847877.25	0.00266	0.00262	0.0025	0.00268	0.00196	5.00E-06	2.298E-07	5.3193E-09	2.19E-09	5.24E-06	6.13E-06	2.82E-07	5.25E-09	1.23E-09	6.41E-06	5.40E-06	2.167E-07	5.098E-09	1.266E-09	5.624E-06
3310 486363.09, 3847877.25	0.00243	0.00237	0.00227	0.00243	0.00183	4.57E-06	2.079E-07	4.8231E-09	2.045E-09	4.78E-06	5.60E-06	2.55E-07	4.76E-09	1.14E-09	5.86E-06	4.93E-06	1.96E-07	4.622E-09	1.182E-09	5.136E-06
3311 486863.09, 3847877.25	0.00228	0.00216	0.0021	0.00231	0.00169	4.28E-06	1.895E-07	4.5849E-09	1.888E-09	4.48E-06	5.25E-06	2.32E-07	4.53E-09	1.06E-09	5.49E-06	4.63E-06	1.786E-07	4.394E-09	1.092E-09	4.813E-06
3312 487363.09, 3847877.25	0.00216	0.00208	0.00202	0.00218	0.00166	4.06E-06	1.825E-07	4.3269E-09	1.855E-09	4.25E-06	4.97E-06	2.24E-07	4.27E-09	1.04E-09	5.20E-06	4.39E-06	1.72E-07	4.147E-09	1.072E-09	4.563E-06
3313 487863.09, 3847877.25	0.00202	0.0019	0.00189	0.00198	0.0016	3.80E-06	1.667E-07	3.9299E-09	1.788E-09	3.97E-06	4.65E-06	2.04E-07	3.88E-09	1.00E-09	4.86E-06	4.10E-06	1.571E-07	3.766E-09	1.034E-09	4.263E-06
3314 488363.09, 3847877.25	0.00196	0.00187	0.00182	0.00192	0.00153	3.68E-06	1.64E-07	3.8108E-09	1.709E-09	3.85E-06	4.51E-06	2.01E-07	3.76E-09	9.57E-10	4.72E-06	3.98E-06	1.546E-07	3.652E-09	9.883E-10	4.139E-06
3315 488863.09, 3847877.25	0.00195	0.00179	0.00181	0.00188	0.00151	3.66E-06	1.57E-07	3.7315E-09	1.687E-09	3.83E-06	4.49E-06	1.92E-07	3.68E-09	9.44E-10	4.69E-06	3.96E-06	1.48E-07	3.576E-09	9.754E-10	4.112E-06
3316 489363.09, 3847877.25	0.00197	0.00189	0.00182	0.00188	0.0015	3.70E-06	1.658E-07	3.7315E-09	1.676E-09	3.87E-06	4.54E-06	2.03E-07	3.68E-09	9.38E-10	4.74E-06	4.00E-06	1.563E-07	3.576E-09	9.69E-10	4.161E-06
3317 489863.09, 3847877.25	0.00208	0.00229	0.00194	0.00194	0.00152	3.91E-06	2.009E-07	3.8505E-09	1.698E-09	4.12E-06	4.79E-06	2.46E-07	3.80E-09	9.51E-10	5.04E-06	4.22E-06	1.894E-07	3.69E-09	9.819E-10	4.417E-06
3318 490363.09, 3847877.25	0.00211	0.00241	0.002	0.00197	0.00155	3.97E-06	2.114E-07	3.9101E-09	1.732E-09	4.18E-06	4.86E-06	2.59E-07	3.86E-09	9.69E-10	5.12E-06	4.28E-06	1.993E-07	3.747E-09	1.001E-09	4.488E-06
3319 490863.09, 3847877.25	0.00209	0.00221	0.00198	0.00196	0.0016	3.93E-06	1.939E-07	3.8902E-09	1.788E-09	4.13E-06	4.81E-06	2.38E-07	3.84E-09	1.00E-09	5.06E-06	4.24E-06	1.828E-07	3.728E-09	1.034E-09	4.431E-06
3320 491363.09, 3847877.25	0.00203	0.00205	0.00193	0.0019	0.00159	3.81E-06	1.798E-07	3.7711E-09	1.777E-09	4.00E-06	4.67E-06	2.20E-07	3.72E-09	9.94E-10	4.90E-06	4.12E-06	1.695E-07	3.614E-09	1.027E-09	4.296E-06
3321 491863.09, 3847877.25	0.0021	0.00213	0.00199	0.00197	0.00163	3.95E-06	1.869E-07	3.9101E-09	1.821E-09	4.14E-06	4.84E-06	2.29E-07	3.86E-09	1.02E-09	5.07E-06	4.26E-06	1.761E-07	3.747E-09	1.053E-09	4.445E-06
3322 492363.09, 3847877.25	0.00222	0.00224	0.0021	0.00206	0.0017	4.17E-06	1.965E-07	4.0887E-09	1.899E-09	4.37E-06	5.11E-06	2.41E-07	4.04E-09	1.06E-09	5.36E-06	4.51E-06	1.852E-07	3.919E-09	1.098E-09	4.698E-06
3323 492863.09, 3847877.25	0.0023	0.00226	0.00218	0.00215	0.00176	4.32E-06	1.983E-07	4.2674E-09	1.966E-09	4.53E-06	5.30E-06	2.43E-07	4.21E-09	1.10E-09	5.54E-06	4.67E-06	1.869E-07	4.09E-09	1.137E-09	4.862E-06
3324 493363.09, 3847877.25	0.00229	0.00226	0.00216	0.00212	0.00177	4.30E-06	1.983E-07	4.2078E-09	1.978E-09	4.51E-06	5.27E-06	2.43E-07	4.15E-09	1.11E-09	5.52E-06	4.65E-06	1.869E-07	4.033E-09	1.143E-09	4.842E-06
3325 493863.09, 3847877.25	0.00234	0.00237	0.0022	0.00214	0.00181	4.40E-06	2.079E-07	4.2475E-09	2.022E-09	4.61E-06	5.39E-06	2.55E-07	4.19E-09	1.13E-09	5.65E-06	4.75E-06	1.96E-07	4.071E-09	1.169E-09	4.952E-06
3326 494363.09, 3847877.25	0.00244	0.00263	0.00231	0.00222	0.00188	4.59E-06	2.307E-07	4.4063E-09	2.101E-09	4.82E-06	5.62E-06	2.83E-07	4.35E-09	1.18E-09	5.91E-06	4.95E-06	2.175E-07	4.223E-09	1.214E-09	5.177E-06
3327 494863.09, 3847877.25	0.00259	0.00288	0.00245	0.00234	0.00197	4.87E-06	2.527E-07	4.6445E-09	2.201E-09	5.13E-06	5.96E-06	3.10E-07	4.58E-09	1.23E-09	6.28E-06	5.26E-06	2.382E-07	4.451E-09	1.273E-09	5.503E-06
3328 495363.09, 3847877.25	0.00268	0.00295	0.00254	0.00243	0.00204	5.04E-06	2.588E-07	4.8231E-09	2.279E-09	5.30E-06	6.17E-06	3.17E-07	4.76E-09	1.28E-09	6.49E-06	5.44E-06	2.44E-07	4.622E-09	1.318E-09	5.691E-06
3329 495863.09, 3847877.25	0.00256	0.00277	0.00245	0.00233	0.00201	4.81E-06	2.43E-07	4.6246E-09	2.246E-09	5.06E-06	5.90E-06	2.98E-07	4.56E-09	1.26E-09	6.20E-06	5.20E-06	2.291E-07	4.432E-09	1.298E-09	5.433E-06
3330 496363.09, 3847877.25	0.00307	0.00332	0.00291	0.00281	0.0023	5.77E-06	2.913E-07	5.5773E-09	2.57E-09	6.07E-06	7.07E-06	3.57E-07	5.50E-09	1.44E-09	7.43E-06	6.23E-06	2.746E-07	5.345E-09	1.486E-09	6.515E-06
3331 496863.09, 3847877.25	0.00338	0.00367	0.00321	0.00312	0.00248	6.35E-06	3.22E-07	6.1926E-09	2.771E-09	6.68E-06	7.78E-06	3.95E-07	6.11E-09	1.55E-09	8.19E-06	6.86E-06	3.035E-07	5.935E-09	1.602E-09	7.174E-06
3332 497363.09, 3847877.25	0.00377	0.00403	0.00358	0.00352	0.00275	7.08E-06	3.535E-07	6.9865E-09	3.073E-09	7.45E-06	8.68E-06	4.33E-07	6.90E-09	1.72E-09	9.12E-06	7.65E-06	3.333E-07	6.696E-09	1.776E-09	7.996E-06
3333 497863.09, 3847877.25	0.00449	0.00471	0.00427	0.00424	0.00321	8.44E-06	4.132E-07	8.4156E-09	3.587E-09	8.86E-06	1.03E-05	5.06E-07	8.31E-09	2.01E-09	1.09E-05	9.12E-06	3.895E-07	8.066E-09	2.074E-09	9.516E-06
3334 498363.09, 3847877.25	0.0049	0.00508	0.00467	0.00464	0.00349	9.21E-06	4.457E-07	9.2095E-09	3.899E-09	9.67E-06	1.13E-05	5.46E-07	9.09E-09	2.18E-09	1.18E-05	9.95E-06	4.201E-07	8.826E-09	2.254E-09	1.038E-05
3335 471363.09, 3848377.25	0.00696	0.00669	0.00672	0.0071	0.00592	1.31E-05	5.869E-07	1.4092E-08	6.614E-09	1.37E-05	1.60E-05	7.19E-07	1.39E-08	3.70E-09	1.68E-05	1.41E-05	5.533E-07	1.351E-08	3.824E-09	1.47E-05
3336 471863.09, 3848377.25	0.00735	0.0071	0.00707	0.00744	0.00608	1.38E-05	6.229E-07	1.4767E-08	6.793E-09	1.45E-05	1.69E-05	7.63E-07	1.46E-08	3.80E-09	1.77E-05	1.49E-05	5.872E-07	1.415E-08	3.927E-09	1.553E-05
3337 472363.09, 3848377.25	0.00761	0.00742	0.00724	0.00754	0.00602	1.43E-05	6.509E-07	1.4966E-08	6.726E-09	1.50E-05	1.75E-05	7.98E-07	1.48E-08	3.77E-09	1.83E-05	1.55E-05	6.136E-07	1.434E-08	3.889E-09	1.608E-05
3338 472863.09, 3848377.25	0.00782	0.00757	0.00733	0.00767	0.00612	1.47E-05	6.641E-07	1.5224E-08	6.838E-09	1.54E-05	1.80E-05	8.14E-07	1.50E-08	3.83E-09	1.88E-05	1.59E-05	6.26E-07	1.459E-08	3.953E-09	1.652E-05
3339 473363.09, 3848377.25	0.00795	0.00762	0.00737	0.00783	0.00622	1.49E-05	6.685E-07	1.5541E-08	6.95E-09	1.56E-05	1.83E-05	8.19E-07	1.53E-08	3.89E-09	1.91E-05	1.61E-05	6.302E-07	1.489E-08	4.018E-09	1.679E-05
3340 473863.09, 3848377.25	0.00808	0.00763	0.00738	0.00795	0.0062	1.52E-05	6.694E-07	1.5779E-08	6.927E-09	1.59E-05	1.86E-05	8.20E-07	1.56E-08	3.88E-09	1.94E-05	1.64E-05	6.31E-07	1.512E-08	4.005E-09	1.706E-05
3341 474363.09, 3848377.25	0.00793	0.00751	0.00727	0.00782	0.00587	1.49E-05	6.588E-07	1.5521E-08	6.559E-09	1.56E-05	1.83E-05	8.07E-07	1.53E-08	3.67E-09	1.91E-05	1.61E-05	6.211E-07	1.488E-08	3.792E-09	1.674E-05
3342 474863.09, 3848377.25	0.00716	0.00691	0.00673	0.00722	0.00504	1.35E-05	6.062E-07	1.433E-08	5.631E-09	1.41E-05	1.65E-05	7.43E-07	1.41E-08	3.15E-09	1.72E-05	1.45E-05	5.714E-07	1.373E-08	3.256E-09	1.513E-05
3343 475363.09, 3848377.25	0.00754	0.00714	0.00693	0.00756	0.00538	1.42E-05	6.264E-07	1.5005E-08	6.011E-09	1.48E-05	1.74E-05	7.68E-07	1.48E-08	3.36E-09	1.81E-05	1.53E-05	5.905E-07	1.438E-08	3.475E-09	1.592E-05
3344 475863.09, 3848377.25	0.00686	0.00656	0.00638	0.00699	0.00474	1.29E-05	5.755E-07	1.3874E-08	5.296E-09	1.35E-05	1.58E-05	7.05E-07	1.37E-08	2.96E-09	1.65E-05	1.39E-05	5.425E-07	1.33E-08	3.062E-09	1.449E-05
3345 476363.09, 3848377.25	0.00612	0.00579	0.00567	0.0061	0.00397	1.15E-05	5.079E-07	1.2107E-08	4.436E-09	1.20E-05	1.41E-05	6.22E-07	1.19E-08	2.48E-09	1.47E-05	1.24E-05	4.788E-07	1.16E-08	2.564E-09	1.292E-05
3346 476863.09, 3848377.25	0.00774	0.00722	0.0069	0.00739	0.00506	1.45E-05	6.334E-07	1.4668E-08	5.654E-09	1.52E-05	1.78E-05	7.76E-07	1.45E-08	3.16E-09	1.86E-05	1.57E-05	5.971E-07	1.406E-08	3.269E-09	1.633E-05
3347 477363.09, 3848377.25	0.00922	0.00905	0.0085	0.00872	0.00545	1.73E-05	7.939E-07	1.7308E-08	6.089E-09	1.81E-05	2.12E-05	9.73E-07	1.71E-08	3.41E-09	2.22E-05	1.87E-05	7.484E-07	1.659E-08	3.521E-09	1.949E-05
3348 477863.09, 3848377.25	0.01107	0.01108	0.01074	0.01119	0.00708	2.08E-05	9.72E-07	2.221E-08	7.911E-09	2.18E-05	2.55E-05	1.19E-06	2.19E-08	4.43E-09	2.67E-05	2.25E-05	9.163E-07	2.129E-08	4.573E-09	2.342E-05
3349 478363.09, 3848377.25	0.01109	0.01123	0.01101	0.01143	0.00723	2.08E-05	9.852E-07	2.2686E-08	8.078E-09	2.19E-05	2.55E-05	1.21E-06	2.24E-08	4.52E-09	2.68E-05	2.25E-05	9.287E-07	2.174E-08	4.67E-09	2.347E-05
3350 478863.09, 3848377.25	0.00965	0.00904	0.00954	0.01029	0.00615	1.81E-05	7.931E-07	2.0424E-08	6.871E-09	1.90E-05	2.22E-05	9.72E-07	2.02E-08	3.85E-09	2.32E-05	1.96E-05	7.476E-07	1.957E-08	3.973E-09	2.036E-05
3351 479363.09, 3848377.25	0.00654	0.0067	0.00641	0.0067	0.00403	1.23E-05	5.878E-07	1.3298E-08	4.503E-09	1.29E-05	1.51E-05	7.20E-07	1.31E-08	2.52E-09	1.58E-05	1.33E-05	5.541E-07	1.275E-08	2.603E-09	1.385E-05
3352 479863.09, 3848377.25	0.00224	0.00222	0.00227	0.0023	0.00195	4.21E-06	1.948E-07	4.5651E-09	2.179E-09	4.41E-06	5.16E-06	2.39E-07	4.51E-09	1.22E-09	5.40E-06	4.55E-06	1.836E-07	4.375E-09	1.26E-09	4.737E-06
3353 480363.09, 3848377.25	0.00318	0.00307	0.00307	0.00327	0.00235	5.98E-06	2.693E-07	6.4903E-09	2.626E-09	6.25E-06	7.32E-06	3.30E-07	6.41E-09	1.47E-09	7.66E-06	6.46E-06	2.539E-07	6.22E-09	1.518E-09	6.718E-06
3354 480863.09, 3848377.25	0.00446	0.00464	0.00431	0.00457	0.00276	8.38E-06	4.071E-07	9.0706E-09	3.084E-09	8.80E-06	1.03E-05	4.99E-07	8.95E-09	1.73E-09	1.08E-05	9.06E-06	3.837E-07	8.693E-09	1.783E-09	9.45E-06
3355 481363.09, 3848377.25	0.0044	0.00382	0.00418	0.0047	0.0027	8.27E-06	3.351E-07	9.3286E-09	3.017E-09	8.62E-06	1.01E-05	4.11E-07	9.21E-09	1.69E-09	1.06E-05	8.93E-06	3.159E-07	8.941E-09	1.744E-09	9.26E-06
3356 481863.09, 3848377.25	0.00447	0.00413	0.00426	0.00467	0.00278	8.40E-06	3.623E-07	9.2691E-09	3.106E-09	8.77E-06	1.03E-05	4.44E-07	9.15E-09	1.74E-09	1.07E-05	9.08E-06	3.415E-07	8.884E-09	1.796E-09	9.428E-06

3357 482363.09, 3848377.25	0.00446	0.00445	0.00419	0.00457	0.00272	8.38E-06	3.904E-07	9.0706E-09	3.039E-09	8.78E-06	1.03E-05	4.78E-07	8.95E-09	1.70E-09	1.08E-05	9.06E-06	3.68E-07	8.693E-09	1.757E-09	9.434E-06
3358 482863.09, 3848377.25	0.00375	0.0036	0.00354	0.00382	0.0025	7.05E-06	3.158E-07	7.582E-09	2.793E-09	7.37E-06	8.64E-06	3.87E-07	7.48E-09	1.56E-09	9.03E-06	7.61E-06	2.977E-07	7.267E-09	1.615E-09	7.921E-06
3359 483363.09, 3848377.25	0.00362	0.0035	0.00336	0.0037	0.00238	6.80E-06	3.07E-07	7.3438E-09	2.659E-09	7.12E-06	8.34E-06	3.76E-07	7.25E-09	1.49E-09	8.72E-06	7.35E-06	2.894E-07	7.038E-09	1.537E-09	7.648E-06
3360 483863.09, 3848377.25	0.00328	0.0028	0.00307	0.00347	0.00231	6.16E-06	2.456E-07	6.8873E-09	2.581E-09	6.42E-06	7.55E-06	3.01E-07	6.80E-09	1.44E-09	7.86E-06	6.66E-06	2.316E-07	6.601E-09	1.492E-09	6.899E-06
3361 484363.09, 3848377.25	0.00321	0.00308	0.00302	0.00333	0.00232	6.03E-06	2.702E-07	6.6094E-09	2.592E-09	6.31E-06	7.39E-06	3.31E-07	6.52E-09	1.45E-09	7.73E-06	6.52E-06	2.547E-07	6.334E-09	1.499E-09	6.78E-06
3362 484863.09, 3848377.25	0.00343	0.00303	0.0032	0.00357	0.00235	6.45E-06	2.658E-07	7.0858E-09	2.626E-09	6.72E-06	7.90E-06	3.26E-07	6.99E-09	1.47E-09	8.23E-06	6.96E-06	2.506E-07	6.791E-09	1.518E-09	7.223E-06
3363 485363.09, 3848377.25	0.00325	0.00274	0.00299	0.0034	0.00225	6.11E-06	2.404E-07	6.7484E-09	2.514E-09	6.36E-06	7.48E-06	2.95E-07	6.66E-09	1.41E-09	7.79E-06	6.60E-06	2.266E-07	6.468E-09	1.453E-09	6.833E-06
3364 485863.09, 3848377.25	0.00311	0.00311	0.00289	0.00311	0.00219	5.84E-06	2.728E-07	6.1728E-09	2.447E-09	6.13E-06	7.16E-06	3.34E-07	6.09E-09	1.37E-09	7.50E-06	6.31E-06	2.572E-07	5.916E-09	1.415E-09	6.579E-06
3365 486363.09, 3848377.25	0.0029	0.00286	0.00269	0.00292	0.00206	5.45E-06	2.509E-07	5.7957E-09	2.302E-09	5.71E-06	6.68E-06	3.07E-07	5.72E-09	1.29E-09	6.99E-06	5.89E-06	2.365E-07	5.555E-09	1.331E-09	6.132E-06
3366 486863.09, 3848377.25	0.00267	0.00247	0.00245	0.00272	0.00192	5.02E-06	2.167E-07	5.3987E-09	2.145E-09	5.24E-06	6.15E-06	2.66E-07	5.33E-09	1.20E-09	6.42E-06	5.42E-06	2.043E-07	5.174E-09	1.24E-09	5.632E-06
3367 487363.09, 3848377.25	0.00241	0.00227	0.00222	0.00238	0.00181	4.53E-06	1.991E-07	4.7239E-09	2.022E-09	4.73E-06	5.55E-06	2.44E-07	4.66E-09	1.13E-09	5.80E-06	4.89E-06	1.877E-07	4.527E-09	1.169E-09	5.087E-06
3368 487863.09, 3848377.25	0.00235	0.00225	0.00217	0.00229	0.00178	4.42E-06	1.974E-07	4.5452E-09	1.989E-09	4.62E-06	5.41E-06	2.42E-07	4.49E-09	1.11E-09	5.66E-06	4.77E-06	1.861E-07	4.356E-09	1.15E-09	4.963E-06
3369 488363.09, 3848377.25	0.00229	0.00214	0.0021	0.00221	0.00171	4.30E-06	1.877E-07	4.3864E-09	1.911E-09	4.50E-06	5.27E-06	2.30E-07	4.33E-09	1.07E-09	5.51E-06	4.65E-06	1.77E-07	4.204E-09	1.105E-09	4.832E-06
3370 488863.09, 3848377.25	0.00231	0.00214	0.00208	0.00219	0.00168	4.34E-06	1.877E-07	4.3467E-09	1.877E-09	4.53E-06	5.32E-06	2.30E-07	4.29E-09	1.05E-09	5.55E-06	4.69E-06	1.77E-07	4.166E-09	1.085E-09	4.872E-06
3371 489363.09, 3848377.25	0.00238	0.00243	0.00215	0.0022	0.00168	4.47E-06	2.132E-07	4.3666E-09	1.877E-09	4.69E-06	5.48E-06	2.61E-07	4.31E-09	1.05E-09	5.75E-06	4.83E-06	2.01E-07	4.185E-09	1.085E-09	5.039E-06
3372 489863.09, 3848377.25	0.00256	0.00289	0.00236	0.00236	0.00173	4.81E-06	2.535E-07	4.6842E-09	1.933E-09	5.07E-06	5.90E-06	3.11E-07	4.62E-09	1.08E-09	6.21E-06	5.20E-06	2.39E-07	4.489E-09	1.118E-09	5.442E-06
3373 490363.09, 3848377.25	0.00257	0.00279	0.0024	0.00239	0.0018	4.83E-06	2.448E-07	4.7437E-09	2.011E-09	5.08E-06	5.92E-06	3.00E-07	4.68E-09	1.13E-09	6.22E-06	5.22E-06	2.307E-07	4.546E-09	1.163E-09	5.455E-06
3374 490863.09, 3848377.25	0.0025	0.00255	0.00232	0.00232	0.00182	4.70E-06	2.237E-07	4.6048E-09	2.034E-09	4.93E-06	5.76E-06	2.74E-07	4.54E-09	1.14E-09	6.04E-06	5.08E-06	2.109E-07	4.413E-09	1.176E-09	5.292E-06
3375 491363.09, 3848377.25	0.0025	0.00248	0.00232	0.00231	0.00184	4.70E-06	2.176E-07	4.5849E-09	2.056E-09	4.92E-06	5.76E-06	2.67E-07	4.53E-09	1.15E-09	6.03E-06	5.08E-06	2.051E-07	4.394E-09	1.189E-09	5.287E-06
3376 491863.09, 3848377.25	0.00256	0.00259	0.00237	0.00234	0.00187	4.81E-06	2.272E-07	4.6445E-09	2.089E-09	5.04E-06	5.90E-06	2.78E-07	4.58E-09	1.17E-09	6.18E-06	5.20E-06	2.142E-07	4.451E-09	1.208E-09	5.418E-06
3377 492363.09, 3848377.25	0.00252	0.00247	0.00234	0.00231	0.00188	4.74E-06	2.167E-07	4.5849E-09	2.101E-09	4.96E-06	5.80E-06	2.66E-07	4.53E-09	1.18E-09	6.07E-06	5.12E-06	2.043E-07	4.394E-09	1.214E-09	5.326E-06
3378 492863.09, 3848377.25	0.00246	0.00243	0.00229	0.00224	0.00187	4.62E-06	2.132E-07	4.446E-09	2.089E-09	4.84E-06	5.66E-06	2.61E-07	4.39E-09	1.17E-09	5.93E-06	4.99E-06	2.01E-07	4.261E-09	1.208E-09	5.201E-06
3379 493363.09, 3848377.25	0.00253	0.0026	0.00235	0.00229	0.00192	4.75E-06	2.281E-07	4.5452E-09	2.145E-09	4.99E-06	5.83E-06	2.80E-07	4.49E-09	1.20E-09	6.11E-06	5.14E-06	2.15E-07	4.356E-09	1.24E-09	5.357E-06
3380 493863.09, 3848377.25	0.00262	0.00282	0.00244	0.00235	0.00196	4.92E-06	2.474E-07	4.6643E-09	2.19E-09	5.18E-06	6.03E-06	3.03E-07	4.60E-09	1.23E-09	6.34E-06	5.32E-06	2.332E-07	4.47E-09	1.266E-09	5.559E-06
3381 494363.09, 3848377.25	0.00271	0.00303	0.00255	0.00242	0.00204	5.09E-06	2.658E-07	4.8033E-09	2.279E-09	5.37E-06	6.24E-06	3.26E-07	4.74E-09	1.28E-09	6.57E-06	5.50E-06	2.506E-07	4.603E-09	1.318E-09	5.759E-06
3382 494863.09, 3848377.25	0.00289	0.0032	0.00272	0.0026	0.00217	5.43E-06	2.807E-07	5.1605E-09	2.425E-09	5.72E-06	6.66E-06	3.44E-07	5.09E-09	1.36E-09	7.01E-06	5.87E-06	2.646E-07	4.946E-09	1.402E-09	6.139E-06
3383 495363.09, 3848377.25	0.00287	0.00312	0.00272	0.00259	0.0022	5.39E-06	2.737E-07	5.1407E-09	2.458E-09	5.67E-06	6.61E-06	3.35E-07	5.07E-09	1.38E-09	6.95E-06	5.83E-06	2.58E-07	4.927E-09	1.421E-09	6.092E-06
3384 495863.09, 3848377.25	0.00301	0.00328	0.00285	0.00273	0.0023	5.66E-06	2.877E-07	5.4185E-09	2.57E-09	5.95E-06	6.93E-06	3.53E-07	5.35E-09	1.44E-09	7.29E-06	6.11E-06	2.713E-07	5.193E-09	1.486E-09	6.389E-06
3385 496363.09, 3848377.25	0.00336	0.00365	0.00318	0.00308	0.00252	6.31E-06	3.202E-07	6.1132E-09	2.816E-09	6.64E-06	7.74E-06	3.92E-07	6.03E-09	1.58E-09	8.14E-06	6.82E-06	3.019E-07	5.859E-09	1.628E-09	7.131E-06
3386 496863.09, 3848377.25	0.00346	0.00373	0.00331	0.00321	0.00263	6.50E-06	3.272E-07	6.3713E-09	2.939E-09	6.84E-06	7.97E-06	4.01E-07	6.29E-09	1.64E-09	8.38E-06	7.03E-06	3.085E-07	6.106E-09	1.699E-09	7.341E-06
3387 497363.09, 3848377.25	0.00398	0.00422	0.00381	0.00373	0.00299	7.48E-06	3.702E-07	7.4034E-09	3.341E-09	7.86E-06	9.17E-06	4.54E-07	7.31E-09	1.87E-09	9.63E-06	8.08E-06	3.49E-07	7.095E-09	1.931E-09	8.439E-06
3388 497863.09, 3848377.25	0.00544	0.00567	0.00517	0.00514	0.00384	1.02E-05	4.974E-07	1.0202E-08	4.29E-09	1.07E-05	1.25E-05	6.10E-07	1.01E-08	2.40E-09	1.31E-05	1.10E-05	4.689E-07	9.778E-09	2.481E-09	1.153E-05
3389 498363.09, 3848377.25	0.00579	0.006	0.00554	0.00553	0.0041	1.09E-05	5.264E-07	1.0976E-08	4.581E-09	1.14E-05	1.33E-05	6.45E-07	1.08E-08	2.56E-09	1.40E-05	1.18E-05	4.962E-07	1.052E-08	2.648E-09	1.227E-05
3390 471363.09, 3848877.25	0.00681	0.00665	0.00644	0.00668	0.00558	1.28E-05	5.834E-07	1.3259E-08	6.235E-09	1.34E-05	1.57E-05	7.15E-07	1.31E-08	3.49E-09	1.64E-05	1.38E-05	5.499E-07	1.271E-08	3.605E-09	1.439E-05
3391 471863.09, 3848877.25	0.00734	0.00708	0.00698	0.00736	0.00618	1.38E-05	6.211E-07	1.4608E-08	6.905E-09	1.44E-05	1.69E-05	7.61E-07	1.44E-08	3.87E-09	1.77E-05	1.49E-05	5.855E-07	1.4E-08	3.992E-09	1.551E-05
3392 472363.09, 3848877.25	0.00784	0.0075	0.00749	0.00796	0.00661	1.47E-05	6.58E-07	1.5799E-08	7.385E-09	1.54E-05	1.81E-05	8.06E-07	1.56E-08	4.13E-09	1.89E-05	1.59E-05	6.202E-07	1.514E-08	4.27E-09	1.656E-05
3393 472863.09, 3848877.25	0.00827	0.00796	0.00787	0.00831	0.00676	1.55E-05	6.983E-07	1.6494E-08	7.553E-09	1.63E-05	1.90E-05	8.56E-07	1.63E-08	4.23E-09	1.99E-05	1.68E-05	6.583E-07	1.581E-08	4.367E-09	1.747E-05
3394 473363.09, 3848877.25	0.00862	0.00832	0.00809	0.0085	0.00684	1.62E-05	7.299E-07	1.6871E-08	7.642E-09	1.70E-05	1.99E-05	8.94E-07	1.67E-08	4.28E-09	2.08E-05	1.75E-05	6.881E-07	1.617E-08	4.418E-09	1.821E-05
3395 473863.09, 3848877.25	0.00883	0.00848	0.00818	0.00867	0.00689	1.66E-05	7.439E-07	1.7208E-08	7.698E-09	1.74E-05	2.03E-05	9.12E-07	1.70E-08	4.31E-09	2.13E-05	1.79E-05	7.013E-07	1.649E-08	4.451E-09	1.865E-05
3396 474363.09, 3848877.25	0.00908	0.00854	0.00823	0.0089	0.00702	1.71E-05	7.492E-07	1.7665E-08	7.844E-09	1.78E-05	2.09E-05	9.18E-07	1.74E-08	4.39E-09	2.18E-05	1.84E-05	7.062E-07	1.693E-08	4.535E-09	1.916E-05
3397 474863.09, 3848877.25	0.00876	0.00837	0.00807	0.00862	0.00638	1.65E-05	7.343E-07	1.7109E-08	7.128E-09	1.72E-05	2.02E-05	9.00E-07	1.69E-08	3.99E-09	2.11E-05	1.78E-05	6.922E-07	1.64E-08	4.121E-09	1.85E-05
3398 475363.09, 3848877.25	0.00856	0.00817	0.00788	0.00849	0.00611	1.61E-05	7.167E-07	1.6851E-08	6.827E-09	1.68E-05	1.97E-05	8.78E-07	1.66E-08	3.82E-09	2.06E-05	1.74E-05	6.756E-07	1.615E-08	3.947E-09	1.808E-05
3399 475863.09, 3848877.25	0.00872	0.00819	0.0079	0.00868	0.00628	1.64E-05	7.185E-07	1.7228E-08	7.017E-09	1.71E-05	2.01E-05	8.80E-07	1.70E-08	3.93E-09	2.10E-05	1.77E-05	6.773E-07	1.651E-08	4.057E-09	1.84E-05
3400 476363.09, 3848877.25	0.00824	0.00779	0.00753	0.0083	0.00577	1.55E-05	6.834E-07	1.6474E-08	6.447E-09	1.62E-05	1.90E-05	8.37E-07	1.63E-08	3.61E-09	1.98E-05	1.67E-05	6.442E-07	1.579E-08	3.727E-09	1.739E-05
3401 476863.09, 3848877.25	0.00759	0.00712	0.00691	0.00755	0.00498	1.43E-05	6.246E-07	1.4985E-08	5.564E-09	1.49E-05	1.75E-05	7.65E-07	1.48E-08	3.11E-09	1.83E-05	1.54E-05	5.888E-07	1.436E-08	3.217E-09	1.602E-05
3402 477363.09, 3848877.25	0.00901	0.00821	0.00781	0.00849	0.00587	1.69E-05	7.202E-07	1.6851E-08	6.559E-09	1.77E-05	2.07E-05	8.83E-07	1.66E-08	3.67E-09	2.17E-05	1.83E-05	6.79E-07	1.615E-08	3.792E-09	1.899E-05
3403 477863.09, 3848877.25	0.01056	0.01028	0.00959	0.00989	0.00631	1.98E-05	9.018E-07	1.963E-08	7.05E-09	2.08E-05	2.43E-05	1.11E-06	1.94E-08	3.95E-09	2.54E-05	2.14E-05	8.501E-07	1.881E-08	4.076E-09	2.231E-05
3404 478363.09, 3848877.25	0.01268	0.01267	0.01218	0.0127	0.0082	2.38E-05	1.111E-06	2.5207E-08	9.162E-09	2.50E-05	2.92E-05	1.36E-06	2.49E-08	5.13E-09	3.06E-05	2.57E-05	1.048E-06	2.416E-08	5.297E-09	2.682E-05
3405 478863.09, 3848877.25	0.01237	0.01251	0.01228	0.01282	0.00793	2.32E-05	1.097E-06	2.5445E-08	8.86E-09	2.44E-05	2.85E-05	1.34E-06	2.51E-08	4.96E-09	2.99E-05	2.51E-05	1.035E-06	2.439E-08	5.123E-09	2.618E-05
3406 479363.09, 3848877.25	0.01009	0.00935	0.00994	0.01076	0.00624	1.90E-05	8.202E-07	2.1357E-08	6.972E-09	1.98E-05	2.32E-05	1.01E-06	2.11E-08	3.90E-09	2.43E-05	2.05E-05	7.732E-07	2.047E-08	4.031E-09	2.128E-05
3407 479863.09, 3848877.25	0.00724	0.00754	0.00704	0.00737	0.00431	1.36E-05	6.615E-07	1.4628E-08	4.816E-09	1.43E-05	1.67E-05	8.11E-07	1.44E-08	2.70E-09	1.75E-05	1.47E-05	6.235E-07	1.402E-08	2.784E-09	1.534E-05
3408 480363.09, 3848877.25	0.00691	0.00626	0.00651	0.00718	0.00401	1.30E-05	5.492E-07	1.4251E-08	4.48E-09	1.36E-05	1.59E-05	6.73E-07	1.41E-08	2.51E-09	1.66E-05	1.40E-05	5.177E-07	1.366E-08	2.59E-09	1.456E-05
3409 480863.09, 3848877.25	0.00706	0.00689	0.00665	0.00733	0.00397	1.33E-05	6.044E-07	1.4549E-08	4.436E-09	1.39E-05	1.63E-05	7.41E-07	1.44E-08	2.48E-09	1.70E-05	1.43E-05	5.698E-07	1.394E-08	2.564E-09	1.492E-05
3410 481363.09, 3848877.25	0.00645	0.00628	0.00615	0.0067	0.0036	1.21E-05	5.509E-07	1.3298E-08	4.022E-09	1.27E-05	1.49E-05	6.75E-07	1.31E-08	2.25E-09	1.55E-05	1.31E-05	5.193E-07	1.275E-08	2.325E-09	1.363E-05
3411 481863.09, 3848877.25	0.00537	0.00466	0.00507	0.00564	0.00319	1.01E-05	4.088E-07	1.1194E-08	3.564E-09	1.05E-05	1.24E-05	5.01E-07	1.10E-08	2.00E-09	1.29E-05	1.09E-05	3.854E-07	1.073E-08	2.061E-09	1.13E-05
3412 482363.09, 3848877.25	0.00439	0.00428	0.00411	0.00447	0.00276	8.25E-06	3.755E-07	8.8721E-09	3.084E-09	8.64E-06	1.01E-05	4.60E-07	8.76E-09	1.73E-09	1.06E-05	8.91E-06	3.54E-07	8.503E-09	1.783E-09	9.278E-06
3413 482863.09, 3848877.25	0.00362	0.00359	0.00342	0.00367	0.00251	6.80E-06	3.149E-07	7.2843E-09	2.804E-09	7.13E-06	8.34E-06	3.86E-07	7.19E-09	1.57E-09	8.73E-06	7.35E-06	2.969E-07	6.981E-09	1.621E-09	7.655E-06
3414 483363.09, 3848877.25	0.00316	0.00307	0.00298	0.00321	0.0023	5.94E-06	2.693E-07	6.3713E-09	2.57E-09	6.22E-06	7.28E-06	3.30E-07	6.29E-09	1.44E-09	7.61E-06	6.42E-06	2.539E-07	6.106E-09	1.486E-09	6.677E-06
3415 483863.09, 3848877.25	0.0031	0.00275	0.00292	0.00323	0.00226	5.83E-06	2.412E-07	6.411E-09	2.525E-09	6.08E-06	7.14E-06	2.96E-07	6.33E-09	1.41E-09	7.44E-06	6.29E-06	2.274E-07	6.144E-09	1.46E-09	6.529E-06
3416 484363.09, 3848877.25	0.00365	0.0034	0.00343	0.00377	0.00254	6.86E-06	2.983E-07	7.4828E-09	2.838E-09	7.17E-06	8.41E-06	3.66E-07	7.39E-09	1.59E-09	8.78E-06	7.41E-06	2.812E-07	7.171E-09	1.641E-09	7.701E-06
3417 484863.09, 3848877.25	0.00418	0.00379	0.00394	0.00437	0.00272	7.86E-06	3.325E-07	8.6736E-09	3.039E-09	8.20E-06	9.63E-06	4.07E-07	8.56E-09	1.70E-09	1.00E-05	8.49E-06	3.134E-07	8.313E-09	1.757E-09	8.81E-06
3418 485363.09, 3848877.25	0.00393	0.00321	0.00361	0.00413	0.00259	7.39E-06	2.816E-07	8.1973E-09	2.894E-09	7.68E-06	9.05E-06	3.45E-07	8.09E-09	1.62E-09	9.40E-06	7.98E-06	2.655E-07	7.856E-09	1.673E-09	8.254E-06
3419 485863.09, 3848877.25	0.0037	0.00377	0.00341	0.0037	0.00247	6.95E-06	3.307E-07	7.3438E-09	2.76E-09	7.29E-06	8.52E-06	4.05E-07	7.25E-09	1.54E-09	8.93E-06	7.51E-06	3.118E-07	7.038E-09	1.596E-09	7.833E-06
3420 486363.09, 3848877.25	0.00332	0.00327	0.00308	0.00334	0.00227	6.24E-06	2.869E-07	6.6293E-09	2.536E-09	6.53E-06	7.65E-06	3.52E-07	6.54E-09	1.42E-09	8.00E-06	6.74E-06	2.704E-07	6.354E-09	1.466E-09	7.019E-06
3421 486863.09, 3848877.25	0.00296	0.00262	0.00268	0.00299	0.0021	5.56E-06	2.298E-07	5.9346E-09	2.346E-09	5.80E-06	6.82E-06	2.82E-07	5.86E-09	1.31E-09	7.11E-06	6.01E-06	2.167E-07	5.688E-09	1.357E-09	6.234E-06
3422 487363.09, 3848877.25	0.00293	0.0028	0.00266	0.00284	0.00206	5.51E-06	2.456E-07	5.6369E-09	2.302E-09	5.76E-06	6.75E-06	3.01E-07	5.56E-09	1.29E-09	7.06E-06	5.95E-06	2.316E-07	5.402E-09	1.331E-09	6.187E-06
3423 487863.09, 3848877.25	0.00279	0.0026	0.00254	0.0027	0.00199	5.24E-06	2.281E-07	5.359E-09	2.223E-09	5.48E-06	6.42E-06	2.80E-07	5.29E-09	1.24E-09	6.71E-06	5.66E-06	2.15E-07	5.136E-09	1.285E-09	5.886E-06
3424 488363.09, 3848877.25	0.00278	0.00262	0.00248	0.00262	0.00195	5.22E-06	2.298E-07	5.2002E-09	2.179E-09	5.46E-06	6.40E-06	2.82E-07	5.13E-09	1.22E-09	6.69E-06	5.64E-06	2.167E-07	4.984E-09	1.26E-09	5.867E-06
3425 488863.09, 3848877.25	0.00279	0.00268	0.00247	0.00259	0.00188	5.24E-06	2.351E-07	5.1407E-09	2.101E-09	5.49E-06	6.42E-06	2.88E-07	5.07E-09	1.18E-09	6.72E-06	5.66E-06	2.216E-07	4.927E-09	1.214E-09	5.893E-06
3426 489363.09, 3848877.25	0.00292	0.00317	0.00261	0.0027	0.0019	5.49E-06	2.781E-07	5.359E-09	2.123E-09	5.77E-06	6.72E-06	3.41E-07	5.29E-09	1.19E-09	7.07E-06	5.93E-06	2.622E-07	5.136E-09	1.227E-09	6.197E-06
3427 489863.09, 3848877.25	0.00307	0.00334	0.00279	0.00284	0.00199	5.77E-06	2.93E-07	5.6369E-09	2.223E-09	6.07E-06	7.07E-06	3.59E-07	5.56E-09	1.24E-09	7.44E-06	6.23E-06	2.762E-07	5.402E-09	1.285E-09	6.516E-06
3428 490363.09, 3848877.25	0.00299	0.0031	0.00275	0.00274	0.00204	5.62E-06	2.72E-07	5.4384E-09	2.279E-09	5.90E-06	6.89E-06	3.33E-07	5.37E-09	1.28E-09	7.23E-06	6.07E-06	2.564E-07	5.212E-09	1.318E-09	6.334E-06
3429 490863.09, 3848877.25	0.00295	0.00291	0.00268	0.00268	0.00203	5.54E-06	2.553E-07	5.3193E-09	2.268E-09	5.81E-06	6.79E-06	3.13E-07	5.25E-09	1.27E-09	7.11E-06	5.99E-06	2.407E-07	5.098E-09	1.311E-09	6.237E-06
3430 491363.09, 3848877.25	0.00299	0.00296	0.0027	0.00271	0.00207	5.62E-06	2.597E-07	5.3788E-09	2.313E-09	5.89E-06	6.89E-06	3.18E-07	5.31E-09	1.29E-09	7.21E-06	6.07E-06	2.448E-07	5.155E-09	1.337E-09	6.322E-06
3431 491863.09, 3848877.25	0.00291	0.00286	0.00264	0.00262	0.00206	5.47E-06	2.509E-07	5.2002E-09	2.302E-09	5.73E-06	6.70E-06	3.07E-07	5.13E-09	1.29E-09	7.02E-06	5.91E-06	2.365E-07	4.984E-09	1.331E-09	6.151E-06
3432 492363.09, 3848877.25	0.00284	0.00279	0.0026	0.00253	0.00206	5.34E-06	2.448E-07	5.0216E-09	2.302E-09	5.59E-06	6.54E-06	3.00E-07	4.96E-09	1.29E-09	6.85E-06	5.77E-06	2.307E-07	4.813E-09	1.331E-09	6.003E-06
3433 492863.09, 3848877.25	0.00275	0.00283	0.00252	0.00243	0.00203	5.17E-06	2.483E-07	4.8231E-09	2.268E-09	5.42E-06	6.33E-06	3.04E-07	4.76E-09	1.27E-09	6.64E-06	5.58E-06	2.34E-07	4.622E-09	1.311E-09	5.824E-06
3434 493363.09, 3848877.25	0.00268	0.00291	0.00249	0.00237	0.00201	5.04E-06	2.553E-07	4.704E-09	2.246E-09	5.30E-06	6.17E-06	3.13E-07	4.64E-09	1.26E-09	6.49E-06	5.44E-06	2.407E-07	4.508E-09	1.298E-09	5.688E-06
3435 493863.09, 3848877.25	0.00289	0.00323	0.00269	0.00255	0.00215	5.43E-06	2.834E-07	5.0613E-09	2.402E-09	5.72E-06	6.66E-06	3.47E-07	5.00E-09	1.34E-09	7.01E-06	5.87E-06	2.671E-07	4.851E-09	1.389E-09	6.141E-06
3436 494363.09, 3848877.25	0.00304	0.00338	0.00284	0.00269	0.00227	5.71E-06	2.965E-07	5.3392E-09	2.536E-09	6.02E-06	7.00E-06	3.63E-07	5.27E-09	1.42E-09	7.37E-06	6.17E-06	2.795E-07	5.117E-09	1.466E-09	6.458E-06

3437 494863.09, 3848877.25	0.00331	0.00362	0.0031	0.00296	0.00246	6.22E-06	3.176E-07	5.8751E-09	2.749E-09	6.55E-06	7.62E-06	3.89E-07	5.80E-09	1.54E-09	8.02E-06	6.72E-06	2.994E-07	5.631E-09	1.589E-09	7.027E-06
3438 495363.09, 3848877.25	0.00355	0.00387	0.00332	0.00321	0.00261	6.67E-06	3.395E-07	6.3713E-09	2.916E-09	7.02E-06	8.17E-06	4.16E-07	6.29E-09	1.63E-09	8.60E-06	7.21E-06	3.2E-07	6.106E-09	1.686E-09	7.536E-06
3439 495863.09, 3848877.25	0.00347	0.00378	0.00329	0.00317	0.00262	6.52E-06	3.316E-07	6.2919E-09	2.927E-09	6.86E-06	7.99E-06	4.06E-07	6.21E-09	1.64E-09	8.40E-06	7.05E-06	3.126E-07	6.03E-09	1.692E-09	7.366E-06
3440 496363.09, 3848877.25	0.00369	0.00398	0.00352	0.00341	0.0028	6.93E-06	3.492E-07	6.7682E-09	3.128E-09	7.29E-06	8.50E-06	4.28E-07	6.68E-09	1.75E-09	8.93E-06	7.49E-06	3.291E-07	6.487E-09	1.809E-09	7.83E-06
3441 496863.09, 3848877.25	0.00425	0.00453	0.00406	0.00396	0.00319	7.99E-06	3.974E-07	7.8599E-09	3.564E-09	8.40E-06	9.79E-06	4.87E-07	7.76E-09	2.00E-09	1.03E-05	8.63E-06	3.746E-07	7.533E-09	2.061E-09	9.013E-06
3442 497363.09, 3848877.25	0.00549	0.00578	0.00522	0.00517	0.00395	1.03E-05	5.071E-07	1.0261E-08	4.413E-09	1.08E-05	1.26E-05	6.21E-07	1.01E-08	2.47E-09	1.33E-05	1.11E-05	4.78E-07	9.835E-09	2.552E-09	1.164E-05
3443 497863.09, 3848877.25	0.00625	0.00651	0.00597	0.00597	0.00442	1.17E-05	5.711E-07	1.1849E-08	4.939E-09	1.23E-05	1.44E-05	7.00E-07	1.17E-08	2.76E-09	1.51E-05	1.27E-05	5.384E-07	1.136E-08	2.855E-09	1.324E-05
3444 498363.09, 3848877.25	0.00691	0.00717	0.00665	0.0067	0.00487	1.30E-05	6.29E-07	1.3298E-08	5.441E-09	1.36E-05	1.59E-05	7.71E-07	1.31E-08	3.05E-09	1.67E-05	1.40E-05	5.929E-07	1.275E-08	3.146E-09	1.464E-05
3445 471363.09, 3849377.25	0.00659	0.00624	0.00618	0.00646	0.00509	1.24E-05	5.474E-07	1.2822E-08	5.687E-09	1.29E-05	1.52E-05	6.71E-07	1.27E-08	3.18E-09	1.59E-05	1.34E-05	5.16E-07	1.229E-08	3.288E-09	1.391E-05
3446 471863.09, 3849377.25	0.00722	0.00691	0.00671	0.00702	0.00577	1.36E-05	6.062E-07	1.3933E-08	6.447E-09	1.42E-05	1.66E-05	7.43E-07	1.38E-08	3.61E-09	1.74E-05	1.47E-05	5.714E-07	1.335E-08	3.727E-09	1.525E-05
3447 472363.09, 3849377.25	0.00777	0.00748	0.00727	0.00763	0.00637	1.46E-05	6.562E-07	1.5144E-08	7.117E-09	1.53E-05	1.79E-05	8.04E-07	1.49E-08	3.98E-09	1.87E-05	1.58E-05	6.186E-07	1.451E-08	4.115E-09	1.641E-05
3448 472863.09, 3849377.25	0.00835	0.00798	0.00786	0.00835	0.00698	1.57E-05	7.001E-07	1.6573E-08	7.799E-09	1.64E-05	1.92E-05	8.58E-07	1.64E-08	4.37E-09	2.01E-05	1.70E-05	6.599E-07	1.588E-08	4.509E-09	1.763E-05
3449 473363.09, 3849377.25	0.0089	0.00847	0.00842	0.00899	0.00742	1.67E-05	7.43E-07	1.7843E-08	8.29E-09	1.75E-05	2.05E-05	9.11E-07	1.76E-08	4.64E-09	2.14E-05	1.81E-05	7.005E-07	1.71E-08	4.793E-09	1.879E-05
3450 473863.09, 3849377.25	0.00941	0.00901	0.00885	0.00938	0.00763	1.77E-05	7.904E-07	1.8618E-08	8.525E-09	1.85E-05	2.17E-05	9.69E-07	1.84E-08	4.77E-09	2.27E-05	1.91E-05	7.451E-07	1.784E-08	4.929E-09	1.987E-05
3451 474363.09, 3849377.25	0.00981	0.0094	0.00909	0.00964	0.0077	1.84E-05	8.246E-07	1.9134E-08	8.603E-09	1.93E-05	2.26E-05	1.01E-06	1.89E-08	4.82E-09	2.36E-05	1.99E-05	7.774E-07	1.834E-08	4.974E-09	2.072E-05
3452 474863.09, 3849377.25	0.01017	0.00955	0.0092	0.00995	0.00785	1.91E-05	8.378E-07	1.9749E-08	8.771E-09	2.00E-05	2.34E-05	1.03E-06	1.95E-08	4.91E-09	2.45E-05	2.06E-05	7.898E-07	1.893E-08	5.071E-09	2.146E-05
3453 475363.09, 3849377.25	0.0103	0.00961	0.00922	0.01006	0.00775	1.94E-05	8.431E-07	1.9967E-08	8.659E-09	2.02E-05	2.37E-05	1.03E-06	1.97E-08	4.85E-09	2.48E-05	2.09E-05	7.947E-07	1.914E-08	5.006E-09	2.173E-05
3454 475863.09, 3849377.25	0.01054	0.00962	0.00922	0.01031	0.00777	1.98E-05	8.439E-07	2.0463E-08	8.682E-09	2.07E-05	2.43E-05	1.03E-06	2.02E-08	4.86E-09	2.53E-05	2.14E-05	7.956E-07	1.961E-08	5.019E-09	2.222E-05
3455 476363.09, 3849377.25	0.01062	0.00956	0.00915	0.01044	0.00776	2.00E-05	8.387E-07	2.0721E-08	8.67E-09	2.08E-05	2.45E-05	1.03E-06	2.05E-08	4.85E-09	2.55E-05	2.16E-05	7.906E-07	1.986E-08	5.013E-09	2.238E-05
3456 476863.09, 3849377.25	0.01021	0.0093	0.00891	0.01011	0.00735	1.92E-05	8.159E-07	2.0066E-08	8.212E-09	2.00E-05	2.35E-05	1.00E-06	1.98E-08	4.60E-09	2.45E-05	2.07E-05	7.691E-07	1.923E-08	4.748E-09	2.152E-05
3457 477363.09, 3849377.25	0.00959	0.00876	0.00841	0.00945	0.00657	1.80E-05	7.685E-07	1.8757E-08	7.341E-09	1.88E-05	2.21E-05	9.42E-07	1.85E-08	4.11E-09	2.30E-05	1.95E-05	7.244E-07	1.798E-08	4.244E-09	2.022E-05
3458 477863.09, 3849377.25	0.00988	0.00902	0.00856	0.0093	0.00629	1.86E-05	7.913E-07	1.8459E-08	7.028E-09	1.94E-05	2.28E-05	9.70E-07	1.82E-08	3.93E-09	2.37E-05	2.01E-05	7.459E-07	1.769E-08	4.063E-09	2.083E-05
3459 478363.09, 3849377.25	0.01206	0.01161	0.01075	0.01118	0.00722	2.27E-05	1.019E-06	2.219E-08	8.067E-09	2.37E-05	2.78E-05	1.25E-06	2.19E-08	4.52E-09	2.90E-05	2.45E-05	9.601E-07	2.127E-08	4.664E-09	2.547E-05
3460 478863.09, 3849377.25	0.01394	0.01403	0.01341	0.01399	0.00858	2.62E-05	1.231E-06	2.7768E-08	9.587E-09	2.75E-05	3.21E-05	1.51E-06	2.74E-08	5.37E-09	3.36E-05	2.83E-05	1.16E-06	2.661E-08	5.542E-09	2.95E-05
3461 479363.09, 3849377.25	0.0139	0.01397	0.01376	0.01444	0.00876	2.61E-05	1.226E-06	2.8661E-08	9.788E-09	2.74E-05	3.20E-05	1.50E-06	2.83E-08	5.48E-09	3.35E-05	2.82E-05	1.155E-06	2.747E-08	5.659E-09	2.941E-05
3462 479863.09, 3849377.25	0.01087	0.01012	0.01066	0.01154	0.00656	2.04E-05	8.878E-07	2.2905E-08	7.33E-09	2.13E-05	2.50E-05	1.09E-06	2.26E-08	4.10E-09	2.61E-05	2.21E-05	8.369E-07	2.195E-08	4.238E-09	2.293E-05
3463 480363.09, 3849377.25	0.01068	0.01087	0.01005	0.0107	0.00619	2.01E-05	9.536E-07	2.1238E-08	6.916E-09	2.11E-05	2.46E-05	1.17E-06	2.10E-08	3.87E-09	2.58E-05	2.17E-05	8.989E-07	2.035E-08	3.999E-09	2.261E-05
3464 480863.09, 3849377.25	0.00939	0.00865	0.00869	0.00964	0.00515	1.76E-05	7.588E-07	1.9134E-08	5.754E-09	1.84E-05	2.16E-05	9.30E-07	1.89E-08	3.22E-09	2.26E-05	1.91E-05	7.153E-07	1.834E-08	3.327E-09	1.98E-05
3465 481363.09, 3849377.25	0.00773	0.00787	0.00732	0.00791	0.00426	1.45E-05	6.904E-07	1.57E-08	4.76E-09	1.52E-05	1.78E-05	8.46E-07	1.55E-08	2.66E-09	1.87E-05	1.57E-05	6.508E-07	1.505E-08	2.752E-09	1.636E-05
3466 481863.09, 3849377.25	0.00521	0.00464	0.00497	0.00546	0.00319	9.79E-06	4.071E-07	1.0837E-08	3.564E-09	1.02E-05	1.20E-05	4.99E-07	1.07E-08	2.00E-09	1.25E-05	1.06E-05	3.837E-07	1.039E-08	2.061E-09	1.097E-05
3467 482363.09, 3849377.25	0.00447	0.00416	0.00421	0.00452	0.00286	8.40E-06	3.649E-07	8.9714E-09	3.196E-09	8.78E-06	1.03E-05	4.47E-07	8.85E-09	1.79E-09	1.08E-05	9.08E-06	3.44E-07	8.598E-09	1.847E-09	9.43E-06
3468 482863.09, 3849377.25	0.00362	0.00355	0.00342	0.00367	0.00254	6.80E-06	3.114E-07	7.2843E-09	2.838E-09	7.12E-06	8.34E-06	3.82E-07	7.19E-09	1.59E-09	8.73E-06	7.35E-06	2.936E-07	6.981E-09	1.641E-09	7.652E-06
3469 483363.09, 3849377.25	0.00328	0.00329	0.00313	0.00328	0.00243	6.16E-06	2.886E-07	6.5102E-09	2.715E-09	6.46E-06	7.55E-06	3.54E-07	6.43E-09	1.52E-09	7.91E-06	6.66E-06	2.721E-07	6.239E-09	1.57E-09	6.94E-06
3470 483863.09, 3849377.25	0.00282	0.00264	0.00272	0.00291	0.00222	5.30E-06	2.316E-07	5.7758E-09	2.48E-09	5.54E-06	6.49E-06	2.84E-07	5.70E-09	1.39E-09	6.78E-06	5.73E-06	2.183E-07	5.536E-09	1.434E-09	5.951E-06
3471 484363.09, 3849377.25	0.00407	0.00372	0.00379	0.00426	0.00279	7.65E-06	3.263E-07	8.4553E-09	3.117E-09	7.99E-06	9.37E-06	4.00E-07	8.35E-09	1.74E-09	9.78E-06	8.26E-06	3.076E-07	8.104E-09	1.802E-09	8.581E-06
3472 484863.09, 3849377.25	0.005	0.00461	0.00471	0.00525	0.0031	9.40E-06	4.044E-07	1.042E-08	3.464E-09	9.81E-06	1.15E-05	4.96E-07	1.03E-08	1.94E-09	1.20E-05	1.02E-05	3.812E-07	9.987E-09	2.003E-09	1.055E-05
3473 485363.09, 3849377.25	0.00477	0.00388	0.00437	0.00501	0.003	8.96E-06	3.404E-07	9.9439E-09	3.352E-09	9.32E-06	1.10E-05	4.17E-07	9.81E-09	1.88E-09	1.14E-05	9.68E-06	3.209E-07	9.53E-09	1.938E-09	1.002E-05
3474 485863.09, 3849377.25	0.00354	0.00358	0.00326	0.00356	0.00248	6.65E-06	3.141E-07	7.0659E-09	2.771E-09	6.98E-06	8.15E-06	3.85E-07	6.97E-09	1.55E-09	8.55E-06	7.19E-06	2.961E-07	6.772E-09	1.602E-09	7.492E-06
3475 486363.09, 3849377.25	0.00291	0.0029	0.00272	0.00289	0.00218	5.47E-06	2.544E-07	5.7361E-09	2.436E-09	5.73E-06	6.70E-06	3.12E-07	5.66E-09	1.36E-09	7.02E-06	5.91E-06	2.398E-07	5.498E-09	1.408E-09	6.155E-06
3476 486863.09, 3849377.25	0.00342	0.00295	0.00305	0.00339	0.00236	6.43E-06	2.588E-07	6.7285E-09	2.637E-09	6.70E-06	7.88E-06	3.17E-07	6.64E-09	1.48E-09	8.20E-06	6.94E-06	2.44E-07	6.449E-09	1.524E-09	7.196E-06
3477 487363.09, 3849377.25	0.0035	0.00342	0.00312	0.00338	0.00232	6.58E-06	3E-07	6.7087E-09	2.592E-09	6.89E-06	8.06E-06	3.68E-07	6.62E-09	1.45E-09	8.44E-06	7.11E-06	2.828E-07	6.43E-09	1.499E-09	7.397E-06
3478 487863.09, 3849377.25	0.00339	0.00307	0.00301	0.00322	0.00225	6.37E-06	2.693E-07	6.3911E-09	2.514E-09	6.65E-06	7.81E-06	3.30E-07	6.31E-09	1.41E-09	8.14E-06	6.88E-06	2.539E-07	6.125E-09	1.453E-09	7.144E-06
3479 488363.09, 3849377.25	0.0034	0.0033	0.00299	0.00315	0.00218	6.39E-06	2.895E-07	6.2522E-09	2.436E-09	6.69E-06	7.83E-06	3.55E-07	6.17E-09	1.36E-09	8.19E-06	6.90E-06	2.729E-07	5.992E-09	1.408E-09	7.184E-06
3480 488863.09, 3849377.25	0.00353	0.0036	0.00311	0.00325	0.00217	6.63E-06	3.158E-07	6.4506E-09	2.425E-09	6.96E-06	8.13E-06	3.87E-07	6.37E-09	1.36E-09	8.52E-06	7.17E-06	2.977E-07	6.182E-09	1.402E-09	7.473E-06
3481 489363.09, 3849377.25	0.00365	0.00394	0.00326	0.00336	0.0022	6.86E-06	3.456E-07	6.669E-09	2.458E-09	7.21E-06	8.41E-06	4.24E-07	6.58E-09	1.38E-09	8.84E-06	7.41E-06	3.258E-07	6.392E-09	1.421E-09	7.745E-06
3482 489863.09, 3849377.25	0.00369	0.00381	0.00333	0.00335	0.00231	6.93E-06	3.342E-07	6.6491E-09	2.581E-09	7.28E-06	8.50E-06	4.10E-07	6.56E-09	1.44E-09	8.91E-06	7.49E-06	3.151E-07	6.373E-09	1.492E-09	7.815E-06
3483 490363.09, 3849377.25	0.00358	0.00358	0.00319	0.00321	0.00231	6.73E-06	3.141E-07	6.3713E-09	2.581E-09	7.05E-06	8.24E-06	3.85E-07	6.29E-09	1.44E-09	8.64E-06	7.27E-06	2.961E-07	6.106E-09	1.492E-09	7.572E-06
3484 490863.09, 3849377.25	0.00358	0.00345	0.00316	0.0032	0.00233	6.73E-06	3.027E-07	6.3514E-09	2.603E-09	7.04E-06	8.24E-06	3.71E-07	6.27E-09	1.46E-09	8.62E-06	7.27E-06	2.853E-07	6.087E-09	1.505E-09	7.562E-06
3485 491363.09, 3849377.25	0.00361	0.00352	0.00319	0.00319	0.00237	6.78E-06	3.088E-07	6.3316E-09	2.648E-09	7.10E-06	8.31E-06	3.78E-07	6.25E-09	1.48E-09	8.70E-06	7.33E-06	2.911E-07	6.068E-09	1.531E-09	7.628E-06
3486 491863.09, 3849377.25	0.00353	0.00345	0.00312	0.00307	0.00237	6.63E-06	3.027E-07	6.0934E-09	2.648E-09	6.94E-06	8.13E-06	3.71E-07	6.01E-09	1.48E-09	8.51E-06	7.17E-06	2.853E-07	5.84E-09	1.531E-09	7.46E-06
3487 492363.09, 3849377.25	0.00348	0.00358	0.0031	0.00302	0.00237	6.54E-06	3.141E-07	5.9941E-09	2.648E-09	6.86E-06	8.01E-06	3.85E-07	5.92E-09	1.48E-09	8.41E-06	7.07E-06	2.961E-07	5.745E-09	1.531E-09	7.369E-06
3488 492863.09, 3849377.25	0.00327	0.00351	0.00296	0.00285	0.0023	6.14E-06	3.079E-07	5.6567E-09	2.57E-09	6.46E-06	7.53E-06	3.77E-07	5.58E-09	1.44E-09	7.91E-06	6.64E-06	2.903E-07	5.421E-09	1.486E-09	6.937E-06
3489 493363.09, 3849377.25	0.00333	0.00371	0.00305	0.00291	0.00237	6.26E-06	3.255E-07	5.7758E-09	2.648E-09	6.59E-06	7.67E-06	3.99E-07	5.70E-09	1.48E-09	8.07E-06	6.76E-06	3.068E-07	5.536E-09	1.531E-09	7.075E-06
3490 493863.09, 3849377.25	0.00347	0.00389	0.00321	0.00304	0.0025	6.52E-06	3.413E-07	6.0338E-09	2.793E-09	6.87E-06	7.99E-06	4.18E-07	5.96E-09	1.56E-09	8.42E-06	7.05E-06	3.217E-07	5.783E-09	1.615E-09	7.375E-06
3491 494363.09, 3849377.25	0.00377	0.00416	0.0035	0.00335	0.00271	7.08E-06	3.649E-07	6.6491E-09	3.028E-09	7.46E-06	8.68E-06	4.47E-07	6.56E-09	1.69E-09	9.14E-06	7.65E-06	3.44E-07	6.373E-09	1.751E-09	8.007E-06
3492 494863.09, 3849377.25	0.00447	0.00485	0.00414	0.00403	0.00312	8.40E-06	4.255E-07	7.9988E-09	3.486E-09	8.84E-06	1.03E-05	5.21E-07	7.89E-09	1.95E-09	1.08E-05	9.08E-06	4.011E-07	7.666E-09	2.015E-09	9.487E-06
3493 495363.09, 3849377.25	0.00487	0.00525	0.00453	0.00444	0.00339	9.15E-06	4.606E-07	8.8126E-09	3.788E-09	9.62E-06	1.12E-05	5.64E-07	8.70E-09	2.12E-09	1.18E-05	9.89E-06	4.342E-07	8.446E-09	2.19E-09	1.033E-05
3494 495863.09, 3849377.25	0.00415	0.00449	0.00394	0.00382	0.00311	7.80E-06	3.939E-07	7.582E-09	3.475E-09	8.20E-06	9.56E-06	4.83E-07	7.48E-09	1.95E-09	1.00E-05	8.43E-06	3.713E-07	7.267E-09	2.009E-09	8.807E-06
3495 496363.09, 3849377.25	0.00422	0.00457	0.00406	0.00394	0.00322	7.93E-06	4.009E-07	7.8202E-09	3.598E-09	8.34E-06	9.72E-06	4.91E-07	7.72E-09	2.01E-09	1.02E-05	8.57E-06	3.779E-07	7.495E-09	2.08E-09	8.956E-06
3496 496863.09, 3849377.25	0.00569	0.00603	0.00543	0.00538	0.00412	1.07E-05	5.29E-07	1.0678E-08	4.603E-09	1.12E-05	1.31E-05	6.48E-07	1.05E-08	2.58E-09	1.38E-05	1.16E-05	4.987E-07	1.023E-08	2.661E-09	1.206E-05
3497 497363.09, 3849377.25	0.00638	0.00665	0.00611	0.00611	0.00461	1.20E-05	5.834E-07	1.2127E-08	5.151E-09	1.26E-05	1.47E-05	7.15E-07	1.20E-08	2.88E-09	1.54E-05	1.30E-05	5.499E-07	1.162E-08	2.978E-09	1.352E-05
3498 497863.09, 3849377.25	0.00845	0.00872	0.00811	0.00822	0.0058	1.59E-05	7.65E-07	1.6315E-08	6.48E-09	1.67E-05	1.95E-05	9.37E-07	1.61E-08	3.63E-09	2.04E-05	1.72E-05	7.211E-07	1.564E-08	3.747E-09	1.79E-05
3499 498363.09, 3849377.25	0.00837	0.00867	0.00811	0.0082	0.00592	1.57E-05	7.606E-07	1.6275E-08	6.614E-09	1.65E-05	1.93E-05	9.32E-07	1.61E-08	3.70E-09	2.02E-05	1.70E-05	7.17E-07	1.56E-08	3.824E-09	1.773E-05
3500 471363.09, 3849877.25	0.00608	0.00604	0.0058	0.00596	0.00434	1.14E-05	5.299E-07	1.1829E-08	4.849E-09	1.20E-05	1.40E-05	6.49E-07	1.17E-08	2.71E-09	1.47E-05	1.23E-05	4.995E-07	1.134E-08	2.804E-09	1.286E-05
3501 471863.09, 3849877.25	0.00687	0.00652	0.00643	0.00672	0.00512	1.29E-05	5.72E-07	1.3338E-08	5.721E-09	1.35E-05	1.58E-05	7.01E-07	1.32E-08	3.20E-09	1.65E-05	1.39E-05	5.392E-07	1.278E-08	3.307E-09	1.45E-05
3502 472363.09, 3849877.25	0.00763	0.00715	0.00703	0.0074	0.0059	1.43E-05	6.272E-07	1.4688E-08	6.592E-09	1.50E-05	1.76E-05	7.69E-07	1.45E-08	3.69E-09	1.84E-05	1.55E-05	5.913E-07	1.408E-08	3.811E-09	1.61E-05
3503 472863.09, 3849877.25	0.00831	0.00784	0.00761	0.00805	0.00661	1.56E-05	6.878E-07	1.5978E-08	7.385E-09	1.63E-05	1.91E-05	8.43E-07	1.58E-08	4.13E-09	2.00E-05	1.69E-05	6.484E-07	1.531E-08	4.27E-09	1.754E-05
3504 473363.09, 3849877.25	0.00887	0.00847	0.00822	0.00871	0.00722	1.67E-05	7.43E-07	1.7288E-08	8.067E-09	1.74E-05	2.04E-05	9.11E-07	1.71E-08	4.52E-09	2.14E-05	1.80E-05	7.005E-07	1.657E-08	4.664E-09	1.873E-05
3505 473863.09, 3849877.25	0.00956	0.00906	0.0089	0.00955	0.0079	1.80E-05	7.948E-07	1.8955E-08	8.827E-09	1.88E-05	2.20E-05	9.74E-07	1.87E-08	4.94E-09	2.30E-05	1.94E-05	7.493E-07	1.817E-08	5.103E-09	2.018E-05
3506 474363.09, 3849877.25	0.01025	0.00968	0.00954	0.01027	0.00845	1.93E-05	8.492E-07	2.0384E-08	9.441E-09	2.01E-05	2.36E-05	1.04E-06	2.01E-08	5.28E-09	2.47E-05	2.08E-05	8.005E-07	1.954E-08	5.458E-09	2.164E-05
3507 474863.09, 3849877.25	0.01085	0.01029	0.01002	0.01075	0.0087	2.04E-05	9.027E-07	2.1337E-08	9.721E-09	2.13E-05	2.50E-05	1.11E-06	2.11E-08	5.44E-09	2.61E-05	2.20E-05	8.51E-07	2.045E-08	5.62E-09	2.291E-05
3508 475363.09, 3849877.25	0.01128	0.01072	0.0103	0.01104	0.0087	2.12E-05	9.404E-07	2.1912E-08	9.721E-09	2.22E-05	2.60E-05	1.15E-06	2.16E-08	5.44E-09	2.72E-05	2.29E-05	8.865E-07	2.1E-08	5.62E-09	2.382E-05
3509 475863.09, 3849877.25	0.01168	0.0109	0.01042	0.01136	0.00879	2.19E-05	9.562E-07	2.2548E-08	9.821E-09	2.29E-05	2.69E-05	1.17E-06	2.23E-08	5.50E-09	2.81E-05	2.37E-05	9.014E-07	2.161E-08	5.678E-09	2.464E-05
3510 476363.09, 3849877.25	0.01198	0.01098	0.01049	0.01164	0.0088	2.25E-05	9.632E-07	2.3103E-08	9.832E-09	2.35E-05	2.76E-05	1.18E-06	2.28E-08	5.50E-09	2.88E-05	2.43E-05	9.08E-07	2.214E-08	5.685E-09	2.526E-05
3511 476863.09, 3849877.25	0.01231	0.01099	0.01047	0.01201	0.00889	2.31E-05	9.641E-07	2.3838E-08	9.933E-09	2.41E-05	2.83E-05	1.18E-06	2.35E-08	5.56E-09	2.96E-05	2.50E-05	9.089E-07	2.285E-08	5.743E-09	2.593E-05
3512 477363.09, 3849877.25	0.01242	0.01086	0.01036	0.01219	0.00882	2.33E-05	9.527E-07	2.4195E-08	9.855E-09	2.43E-05	2.86E-05	1.17E-06	2.39E-08	5.52E-09	2.98E-05	2.52E-05	8.981E-07	2.319E-08	5.697E-09	2.614E-05
3513 477863.09, 3849877.25	0.01186	0.01042	0.00992	0.01162	0.00815	2.23E-05	9.141E-07	2.3064E-08	9.106E-09	2.32E-05	2.73E-05	1.12E-06	2.28E-08	5.10E-09	2.85E-05	2.41E-05	8.617E-07	2.21E-08	5.265E-09	2.497E-05
3514 478363.09, 3849877.25	0.01182	0.01049	0.00989	0.01105	0.00744	2.22E-05	9.203E-07	2.1932E-08	8.313E-09	2.32E-05	2.72E-05	1.13E-06	2.16E-08	4.65E-09	2.84E-05	2.40E-05	8.675E-07	2.102E-08	4.806E-09	2.489E-05
3515 478863.09, 3849877.25	0.01428	0.01332	0.01227	0.01306	0.00865	2.68E-05	1.169E-06	2.5922E-08	9.665E-09	2.80E-05	3.29E-05	1.43E-06	2.56E-08	5.41E-09	3.43E-05	2.90E-05	1.102E-06	2.484E-08	5.588E-09	3.013E-05
3516 479363.09, 3849877.25	0.01643	0.01646	0.01554	0.01625	0.01047	3.09E-05	1.444E-06	3.2253E-08	1.17E-08	3.24E-05	3.78E-05	1.77E-06	3.18E-08	6.55E-09	3.96E-05	3.34E-05	1.361E-06	3.091E-08	6.763E-09	3.476E-05

3517 479863.09, 3849877.25	0.01708	0.01673	0.01648	0.0175	0.0116	3.21E-05	1.468E-06	3.4734E-08	1.296E-08	3.36E-05	3.93E-05	1.80E-06	3.43E-08	7.26E-09	4.12E-05	3.47E-05	1.384E-06	3.329E-08	7.493E-09	3.61E-05
3518 480363.09, 3849877.25	0.01407	0.01332	0.01345	0.01447	0.00867	2.64E-05	1.169E-06	2.872E-08	9.687E-09	2.76E-05	3.24E-05	1.43E-06	2.83E-08	5.42E-09	3.39E-05	2.86E-05	1.102E-06	2.753E-08	5.601E-09	2.97E-05
3519 480863.09, 3849877.25	0.01109	0.01092	0.0104	0.01122	0.00614	2.08E-05	9.58E-07	2.227E-08	6.86E-09	2.18E-05	2.55E-05	1.17E-06	2.20E-08	3.84E-09	2.67E-05	2.25E-05	9.031E-07	2.134E-08	3.966E-09	2.345E-05
3520 481363.09, 3849877.25	0.00942	0.00893	0.00878	0.00976	0.00501	1.77E-05	7.834E-07	1.9372E-08	5.598E-09	1.85E-05	2.17E-05	9.60E-07	1.91E-08	3.13E-09	2.27E-05	1.91E-05	7.385E-07	1.857E-08	3.236E-09	1.989E-05
3521 481863.09, 3849877.25	0.00585	0.00585	0.0056	0.00604	0.00351	1.10E-05	5.132E-07	1.1988E-08	3.922E-09	1.15E-05	1.35E-05	6.29E-07	1.18E-08	2.20E-09	1.41E-05	1.19E-05	4.838E-07	1.149E-08	2.267E-09	1.238E-05
3522 482363.09, 3849877.25	0.00456	0.00411	0.0043	0.00468	0.003	8.57E-06	3.606E-07	9.2889E-09	3.352E-09	8.94E-06	1.05E-05	4.42E-07	9.17E-09	1.88E-09	1.10E-05	9.26E-06	3.399E-07	8.903E-09	1.938E-09	9.609E-06
3523 482863.09, 3849877.25	0.0039	0.00381	0.00368	0.00398	0.00274	7.33E-06	3.342E-07	7.8996E-09	3.061E-09	7.67E-06	8.98E-06	4.10E-07	7.80E-09	1.71E-09	9.40E-06	7.92E-06	3.151E-07	7.571E-09	1.77E-09	8.243E-06
3524 483363.09, 3849877.25	0.0034	0.0034	0.00324	0.00341	0.00256	6.39E-06	2.983E-07	6.7682E-09	2.86E-09	6.70E-06	7.83E-06	3.66E-07	6.68E-09	1.60E-09	8.20E-06	6.90E-06	2.812E-07	6.487E-09	1.654E-09	7.193E-06
3525 483863.09, 3849877.25	0.00336	0.00315	0.0032	0.00348	0.00253	6.31E-06	2.763E-07	6.9072E-09	2.827E-09	6.60E-06	7.74E-06	3.39E-07	6.82E-09	1.58E-09	8.08E-06	6.82E-06	2.605E-07	6.62E-09	1.634E-09	7.091E-06
3526 484363.09, 3849877.25	0.00459	0.00415	0.00424	0.0048	0.00307	8.63E-06	3.641E-07	9.5271E-09	3.43E-09	9.00E-06	1.06E-05	4.46E-07	9.40E-09	1.92E-09	1.10E-05	9.32E-06	3.432E-07	9.131E-09	1.983E-09	9.674E-06
3527 484863.09, 3849877.25	0.00627	0.00565	0.00584	0.0066	0.00364	1.18E-05	4.957E-07	1.31E-08	4.067E-09	1.23E-05	1.44E-05	6.07E-07	1.29E-08	2.28E-09	1.51E-05	1.27E-05	4.672E-07	1.255E-08	2.351E-09	1.321E-05
3528 485363.09, 3849877.25	0.00555	0.00463	0.00508	0.00576	0.00339	1.04E-05	4.062E-07	1.1433E-08	3.788E-09	1.09E-05	1.28E-05	4.98E-07	1.13E-08	2.12E-09	1.33E-05	1.13E-05	3.829E-07	1.096E-08	2.19E-09	1.166E-05
3529 485863.09, 3849877.25	0.00454	0.00454	0.00414	0.00453	0.0029	8.53E-06	3.983E-07	8.9912E-09	3.24E-09	8.94E-06	1.05E-05	4.88E-07	8.87E-09	1.81E-09	1.10E-05	9.22E-06	3.755E-07	8.617E-09	1.873E-09	9.604E-06
3530 486363.09, 3849877.25	0.00408	0.00389	0.00372	0.00404	0.0027	7.67E-06	3.413E-07	8.0187E-09	3.017E-09	8.02E-06	9.40E-06	4.18E-07	7.91E-09	1.69E-09	9.82E-06	8.28E-06	3.217E-07	7.685E-09	1.744E-09	8.615E-06
3531 486863.09, 3849877.25	0.00446	0.0039	0.00391	0.00435	0.0028	8.38E-06	3.421E-07	8.6339E-09	3.128E-09	8.74E-06	1.03E-05	4.19E-07	8.52E-09	1.75E-09	1.07E-05	9.06E-06	3.225E-07	8.275E-09	1.809E-09	9.388E-06
3532 487363.09, 3849877.25	0.00437	0.00413	0.00381	0.00417	0.00265	8.21E-06	3.623E-07	8.2767E-09	2.961E-09	8.59E-06	1.01E-05	4.44E-07	8.17E-09	1.66E-09	1.05E-05	8.87E-06	3.415E-07	7.932E-09	1.712E-09	9.224E-06
3533 487863.09, 3849877.25	0.00426	0.00405	0.0037	0.00394	0.0026	8.01E-06	3.553E-07	7.8202E-09	2.905E-09	8.37E-06	9.81E-06	4.35E-07	7.72E-09	1.63E-09	1.03E-05	8.65E-06	3.349E-07	7.495E-09	1.68E-09	8.994E-06
3534 488363.09, 3849877.25	0.00436	0.00436	0.00374	0.00395	0.00252	8.19E-06	3.825E-07	7.84E-09	2.816E-09	8.59E-06	1.00E-05	4.69E-07	7.74E-09	1.58E-09	1.05E-05	8.85E-06	3.606E-07	7.514E-09	1.628E-09	9.222E-06
3535 488863.09, 3849877.25	0.00453	0.00461	0.00389	0.00413	0.00253	8.51E-06	4.044E-07	8.1973E-09	2.827E-09	8.93E-06	1.04E-05	4.96E-07	8.09E-09	1.58E-09	1.09E-05	9.20E-06	3.812E-07	7.856E-09	1.634E-09	9.588E-06
3536 489363.09, 3849877.25	0.00459	0.00471	0.00399	0.00413	0.00261	8.63E-06	4.132E-07	8.1973E-09	2.916E-09	9.05E-06	1.06E-05	5.06E-07	8.09E-09	1.63E-09	1.11E-05	9.32E-06	3.895E-07	7.856E-09	1.686E-09	9.718E-06
3537 489863.09, 3849877.25	0.00456	0.00458	0.00398	0.00403	0.00268	8.57E-06	4.018E-07	7.9988E-09	2.994E-09	8.98E-06	1.05E-05	4.92E-07	7.89E-09	1.68E-09	1.10E-05	9.26E-06	3.788E-07	7.666E-09	1.731E-09	9.647E-06
3538 490363.09, 3849877.25	0.00446	0.00424	0.00387	0.00391	0.00268	8.38E-06	3.72E-07	7.7606E-09	2.994E-09	8.76E-06	1.03E-05	4.56E-07	7.66E-09	1.68E-09	1.07E-05	9.06E-06	3.506E-07	7.438E-09	1.731E-09	9.415E-06
3539 490863.09, 3849877.25	0.00453	0.00432	0.00388	0.00392	0.00273	8.51E-06	3.79E-07	7.7805E-09	3.05E-09	8.90E-06	1.04E-05	4.64E-07	7.68E-09	1.71E-09	1.09E-05	9.20E-06	3.573E-07	7.457E-09	1.763E-09	9.564E-06
3540 491363.09, 3849877.25	0.00463	0.00454	0.00396	0.00394	0.00279	8.70E-06	3.983E-07	7.8202E-09	3.117E-09	9.11E-06	1.07E-05	4.88E-07	7.72E-09	1.74E-09	1.12E-05	9.40E-06	3.755E-07	7.495E-09	1.802E-09	9.785E-06
3541 491863.09, 3849877.25	0.00455	0.00464	0.00391	0.00386	0.0028	8.55E-06	4.071E-07	7.6614E-09	3.128E-09	8.97E-06	1.05E-05	4.99E-07	7.56E-09	1.75E-09	1.10E-05	9.24E-06	3.837E-07	7.343E-09	1.809E-09	9.631E-06
3542 492363.09, 3849877.25	0.00455	0.00482	0.00397	0.00388	0.00285	8.55E-06	4.228E-07	7.7011E-09	3.184E-09	8.98E-06	1.05E-05	5.18E-07	7.60E-09	1.78E-09	1.10E-05	9.24E-06	3.986E-07	7.381E-09	1.841E-09	9.646E-06
3543 492863.09, 3849877.25	0.00439	0.00484	0.00391	0.00379	0.00286	8.25E-06	4.246E-07	7.5224E-09	3.196E-09	8.69E-06	1.01E-05	5.20E-07	7.42E-09	1.79E-09	1.06E-05	8.91E-06	4.003E-07	7.21E-09	1.847E-09	9.323E-06
3544 493363.09, 3849877.25	0.00426	0.00481	0.00386	0.0037	0.0029	8.01E-06	4.22E-07	7.3438E-09	3.24E-09	8.44E-06	9.81E-06	5.17E-07	7.25E-09	1.81E-09	1.03E-05	8.65E-06	3.978E-07	7.038E-09	1.873E-09	9.056E-06
3545 493863.09, 3849877.25	0.00429	0.00475	0.00395	0.00378	0.00301	8.06E-06	4.167E-07	7.5026E-09	3.363E-09	8.49E-06	9.88E-06	5.11E-07	7.40E-09	1.88E-09	1.04E-05	8.71E-06	3.928E-07	7.191E-09	1.944E-09	9.112E-06
3546 494363.09, 3849877.25	0.00532	0.00577	0.00488	0.00476	0.0036	1.00E-05	5.062E-07	9.4477E-09	4.022E-09	1.05E-05	1.23E-05	6.20E-07	9.32E-09	2.25E-09	1.29E-05	1.08E-05	4.772E-07	9.055E-09	2.325E-09	1.129E-05
3547 494863.09, 3849877.25	0.00621	0.00668	0.00571	0.00562	0.00415	1.17E-05	5.86E-07	1.1155E-08	4.637E-09	1.23E-05	1.43E-05	7.18E-07	1.10E-08	2.60E-09	1.50E-05	1.26E-05	5.524E-07	1.069E-08	2.681E-09	1.317E-05
3548 495363.09, 3849877.25	0.00572	0.00616	0.00535	0.00525	0.004	1.07E-05	5.404E-07	1.042E-08	4.469E-09	1.13E-05	1.32E-05	6.62E-07	1.03E-08	2.50E-09	1.38E-05	1.16E-05	5.094E-07	9.987E-09	2.584E-09	1.214E-05
3549 495863.09, 3849877.25	0.00675	0.0072	0.00633	0.00629	0.00466	1.27E-05	6.316E-07	1.2484E-08	5.207E-09	1.33E-05	1.55E-05	7.74E-07	1.23E-08	2.91E-09	1.63E-05	1.37E-05	5.954E-07	1.197E-08	3.01E-09	1.432E-05
3550 496363.09, 3849877.25	0.0073	0.00764	0.00691	0.00691	0.00508	1.37E-05	6.702E-07	1.3715E-08	5.676E-09	1.44E-05	1.68E-05	8.21E-07	1.35E-08	3.18E-09	1.76E-05	1.48E-05	6.318E-07	1.314E-08	3.282E-09	1.547E-05
3551 496863.09, 3849877.25	0.00776	0.00804	0.00741	0.00745	0.00548	1.46E-05	7.053E-07	1.4787E-08	6.123E-09	1.53E-05	1.79E-05	8.64E-07	1.46E-08	3.43E-09	1.88E-05	1.58E-05	6.649E-07	1.417E-08	3.54E-09	1.644E-05
3552 497363.09, 3849877.25	0.00945	0.00975	0.00907	0.00921	0.00649	1.78E-05	8.553E-07	1.828E-08	7.251E-09	1.86E-05	2.18E-05	1.05E-06	1.80E-08	4.06E-09	2.28E-05	1.92E-05	8.063E-07	1.752E-08	4.192E-09	2.002E-05
3553 497863.09, 3849877.25	0.01025	0.0105	0.00991	0.01012	0.00708	1.93E-05	9.211E-07	2.0086E-08	7.911E-09	2.02E-05	2.36E-05	1.13E-06	1.98E-08	4.43E-09	2.48E-05	2.08E-05	8.683E-07	1.925E-08	4.573E-09	2.17E-05
3554 498363.09, 3849877.25	0.01006	0.01027	0.00984	0.00999	0.00719	1.89E-05	9.01E-07	1.9828E-08	8.033E-09	1.98E-05	2.32E-05	1.10E-06	1.96E-08	4.50E-09	2.43E-05	2.04E-05	8.493E-07	1.9E-08	4.645E-09	2.13E-05
3555 471363.09, 3850377.25	0.00535	0.00559	0.00519	0.00528	0.0036	1.01E-05	4.904E-07	1.048E-08	4.022E-09	1.06E-05	1.23E-05	6.01E-07	1.03E-08	2.25E-09	1.29E-05	1.09E-05	4.623E-07	1.004E-08	2.325E-09	1.134E-05
3556 471863.09, 3850377.25	0.00666	0.0069	0.0063	0.0064	0.00453	1.25E-05	6.053E-07	1.2703E-08	5.061E-09	1.31E-05	1.53E-05	7.42E-07	1.25E-08	2.83E-09	1.61E-05	1.35E-05	5.706E-07	1.217E-08	2.926E-09	1.411E-05
3557 472363.09, 3850377.25	0.00721	0.0072	0.00676	0.00695	0.00505	1.35E-05	6.316E-07	1.3794E-08	5.642E-09	1.42E-05	1.66E-05	7.74E-07	1.36E-08	3.16E-09	1.74E-05	1.46E-05	5.954E-07	1.322E-08	3.262E-09	1.525E-05
3558 472863.09, 3850377.25	0.00817	0.00773	0.00747	0.00785	0.00607	1.54E-05	6.781E-07	1.5581E-08	6.782E-09	1.61E-05	1.88E-05	8.31E-07	1.54E-08	3.80E-09	1.97E-05	1.66E-05	6.393E-07	1.493E-08	3.921E-09	1.725E-05
3559 473363.09, 3850377.25	0.00868	0.00813	0.00794	0.00835	0.00657	1.63E-05	7.132E-07	1.6573E-08	7.341E-09	1.70E-05	2.00E-05	8.74E-07	1.64E-08	4.11E-09	2.09E-05	1.76E-05	6.723E-07	1.588E-08	4.244E-09	1.832E-05
3560 473863.09, 3850377.25	0.00945	0.00893	0.00863	0.00912	0.00741	1.78E-05	7.834E-07	1.8102E-08	8.279E-09	1.86E-05	2.18E-05	9.60E-07	1.79E-08	4.63E-09	2.27E-05	1.92E-05	7.385E-07	1.735E-08	4.787E-09	1.995E-05
3561 474363.09, 3850377.25	0.01028	0.0097	0.0094	0.01007	0.00827	1.93E-05	8.51E-07	1.9987E-08	9.24E-09	2.02E-05	2.37E-05	1.04E-06	1.97E-08	5.17E-09	2.47E-05	2.09E-05	8.022E-07	1.916E-08	5.342E-09	2.17E-05
3562 474863.09, 3850377.25	0.01111	0.01042	0.01019	0.01104	0.00905	2.09E-05	9.141E-07	2.1912E-08	1.011E-08	2.18E-05	2.56E-05	1.12E-06	2.16E-08	5.66E-09	2.67E-05	2.26E-05	8.617E-07	2.1E-08	5.846E-09	2.345E-05
3563 475363.09, 3850377.25	0.01195	0.01118	0.01086	0.01188	0.00971	2.25E-05	9.808E-07	2.358E-08	1.085E-08	2.35E-05	2.75E-05	1.20E-06	2.33E-08	6.07E-09	2.87E-05	2.43E-05	9.246E-07	2.26E-08	6.272E-09	2.522E-05
3564 475863.09, 3850377.25	0.01266	0.01186	0.01144	0.01245	0.00996	2.38E-05	1.04E-06	2.4711E-08	1.113E-08	2.49E-05	2.92E-05	1.27E-06	2.44E-08	6.23E-09	3.05E-05	2.57E-05	9.808E-07	2.368E-08	6.434E-09	2.672E-05
3565 476363.09, 3850377.25	0.01322	0.01237	0.0118	0.01286	0.00998	2.48E-05	1.085E-06	2.5525E-08	1.115E-08	2.60E-05	3.04E-05	1.33E-06	2.52E-08	6.24E-09	3.18E-05	2.68E-05	1.023E-06	2.446E-08	6.447E-09	2.79E-05
3566 476863.09, 3850377.25	0.01371	0.01262	0.01197	0.01325	0.01006	2.58E-05	1.107E-06	2.6299E-08	1.124E-08	2.69E-05	3.16E-05	1.36E-06	2.60E-08	6.29E-09	3.30E-05	2.78E-05	1.044E-06	2.52E-08	6.498E-09	2.891E-05
3567 477363.09, 3850377.25	0.01415	0.01271	0.012	0.01367	0.01017	2.66E-05	1.115E-06	2.7132E-08	1.136E-08	2.77E-05	3.26E-05	1.37E-06	2.68E-08	6.36E-09	3.40E-05	2.87E-05	1.051E-06	2.6E-08	6.569E-09	2.981E-05
3568 477863.09, 3850377.25	0.01433	0.01263	0.01191	0.01393	0.01008	2.69E-05	1.108E-06	2.7648E-08	1.126E-08	2.81E-05	3.30E-05	1.36E-06	2.73E-08	6.30E-09	3.44E-05	2.91E-05	1.044E-06	2.65E-08	6.511E-09	3.017E-05
3569 478363.09, 3850377.25	0.01386	0.0123	0.0115	0.0135	0.00944	2.60E-05	1.079E-06	2.6795E-08	1.055E-08	2.72E-05	3.19E-05	1.32E-06	2.64E-08	5.90E-09	3.33E-05	2.81E-05	1.017E-06	2.568E-08	6.098E-09	2.919E-05
3570 478863.09, 3850377.25	0.01462	0.01266	0.01199	0.01366	0.00899	2.75E-05	1.111E-06	2.7113E-08	1.004E-08	2.86E-05	3.37E-05	1.36E-06	2.68E-08	5.62E-09	3.51E-05	2.97E-05	1.047E-06	2.598E-08	5.807E-09	3.076E-05
3571 479363.09, 3850377.25	0.01711	0.01533	0.01419	0.01555	0.01027	3.22E-05	1.345E-06	3.0864E-08	1.147E-08	3.35E-05	3.94E-05	1.65E-06	3.05E-08	6.42E-09	4.11E-05	3.47E-05	1.268E-06	2.958E-08	6.634E-09	3.604E-05
3572 479863.09, 3850377.25	0.01946	0.01923	0.01792	0.01893	0.013	3.66E-05	1.687E-06	3.7573E-08	1.453E-08	3.83E-05	4.48E-05	2.07E-06	3.71E-08	8.13E-09	4.69E-05	3.95E-05	1.59E-06	3.601E-08	8.398E-09	4.115E-05
3573 480363.09, 3850377.25	0.01971	0.01899	0.01877	0.0201	0.01328	3.70E-05	1.666E-06	3.9895E-08	1.484E-08	3.88E-05	4.54E-05	2.04E-06	3.94E-08	8.31E-09	4.75E-05	4.00E-05	1.57E-06	3.824E-08	8.578E-09	4.164E-05
3574 480863.09, 3850377.25	0.01799	0.01705	0.01646	0.01781	0.01162	3.38E-05	1.496E-06	3.535E-08	1.298E-08	3.54E-05	4.14E-05	1.83E-06	3.49E-08	7.27E-09	4.33E-05	3.65E-05	1.41E-06	3.388E-08	7.506E-09	3.798E-05
3575 481363.09, 3850377.25	0.01192	0.0116	0.01118	0.01214	0.00641	2.24E-05	1.018E-06	2.4096E-08	7.162E-09	2.34E-05	2.74E-05	1.25E-06	2.38E-08	4.01E-09	2.87E-05	2.42E-05	9.593E-07	2.309E-08	4.141E-09	2.519E-05
3576 481863.09, 3850377.25	0.0109	0.01061	0.0101	0.01123	0.00552	2.05E-05	9.308E-07	2.2289E-08	6.168E-09	2.14E-05	2.51E-05	1.14E-06	2.20E-08	3.45E-09	2.63E-05	2.21E-05	8.774E-07	2.136E-08	3.566E-09	2.303E-05
3577 482363.09, 3850377.25	0.00949	0.00844	0.0089	0.00993	0.00509	1.78E-05	7.404E-07	1.9709E-08	5.687E-09	1.86E-05	2.19E-05	9.07E-07	1.95E-08	3.18E-09	2.28E-05	1.93E-05	6.98E-07	1.889E-08	3.288E-09	1.999E-05
3578 482863.09, 3850377.25	0.00611	0.00582	0.00574	0.00628	0.00365	1.15E-05	5.106E-07	1.2465E-08	4.078E-09	1.20E-05	1.41E-05	6.26E-07	1.23E-08	2.28E-09	1.47E-05	1.24E-05	4.813E-07	1.195E-08	2.358E-09	1.29E-05
3579 483363.09, 3850377.25	0.00478	0.00465	0.00451	0.00487	0.00322	8.98E-06	4.079E-07	9.6661E-09	3.598E-09	9.40E-06	1.10E-05	5.00E-07	9.54E-09	2.01E-09	1.15E-05	9.71E-06	3.845E-07	9.264E-09	2.08E-09	1.01E-05
3580 483863.09, 3850377.25	0.0052	0.00502	0.00489	0.0054	0.00341	9.77E-06	4.404E-07	1.0718E-08	3.81E-09	1.02E-05	1.20E-05	5.40E-07	1.06E-08	2.13E-09	1.25E-05	1.06E-05	4.151E-07	1.027E-08	2.203E-09	1.099E-05
3581 484363.09, 3850377.25	0.00633	0.00559	0.0058	0.00665	0.00378	1.19E-05	4.904E-07	1.3199E-08	4.223E-09	1.24E-05	1.46E-05	6.01E-07	1.30E-08	2.36E-09	1.52E-05	1.29E-05	4.623E-07	1.265E-08	2.442E-09	1.333E-05
3582 484863.09, 3850377.25	0.00763	0.00656	0.007	0.00805	0.00425	1.43E-05	5.755E-07	1.5978E-08	4.749E-09	1.49E-05	1.76E-05	7.05E-07	1.58E-08	2.66E-09	1.83E-05	1.55E-05	5.425E-07	1.531E-08	2.745E-09	1.605E-05
3583 485363.09, 3850377.25	0.00733	0.00633	0.00663	0.0075	0.00412	1.38E-05	5.553E-07	1.4886E-08	4.603E-09	1.43E-05	1.69E-05	6.80E-07	1.47E-08	2.58E-09	1.76E-05	1.49E-05	5.235E-07	1.427E-08	2.661E-09	1.542E-05
3584 485863.09, 3850377.25	0.00639	0.00606	0.00567	0.00641	0.00359	1.20E-05	5.316E-07	1.2723E-08	4.011E-09	1.26E-05	1.47E-05	6.51E-07	1.26E-08	2.25E-09	1.54E-05	1.30E-05	5.012E-07	1.219E-08	2.319E-09	1.349E-05
3585 486363.09, 3850377.25	0.0061	0.00567	0.00543	0.00598	0.00349	1.15E-05	4.974E-07	1.1869E-08	3.899E-09	1.20E-05	1.40E-05	6.10E-07	1.17E-08	2.18E-09	1.47E-05	1.24E-05	4.689E-07	1.138E-08	2.254E-09	1.287E-05
3586 486863.09, 3850377.25	0.00592	0.00528	0.00507	0.00572	0.00338	1.11E-05	4.632E-07	1.1353E-08	3.777E-09	1.16E-05	1.36E-05	5.68E-07	1.12E-08	2.11E-09	1.42E-05	1.20E-05	4.366E-07	1.088E-08	2.183E-09	1.247E-05
3587 487363.09, 3850377.25	0.00552	0.00526	0.00472	0.00508	0.00309	1.04E-05	4.614E-07	1.0083E-08	3.453E-09	1.08E-05	1.27E-05	5.65E-07	9.95E-09	1.93E-09	1.33E-05	1.12E-05	4.35E-07	9.663E-09	1.996E-09	1.165E-05
3588 487863.09, 3850377.25	0.00563	0.00562	0.00476	0.00505	0.00305	1.06E-05	4.93E-07	1.0023E-08	3.408E-09	1.11E-05	1.30E-05	6.04E-07	9.89E-09	1.91E-09	1.36E-05	1.14E-05	4.648E-07	9.606E-09	1.97E-09	1.191E-05
3589 488363.09, 3850377.25	0.00573	0.00569	0.00478	0.00512	0.00297	1.08E-05	4.992E-07	1.0162E-08	3.318E-09	1.13E-05	1.32E-05	6.12E-07	1.00E-08	1.86E-09	1.38E-05	1.16E-05	4.706E-07	9.74E-09	1.919E-09	1.212E-05
3590 488863.09, 3850377.25	0.00585	0.00571	0.00488	0.0052	0.00304	1.10E-05	5.009E-07	1.0321E-08	3.397E-09	1.15E-05	1.35E-05	6.14E-07	1.02E-08	1.90E-09	1.41E-05	1.19E-05	4.722E-07	9.892E-09	1.964E-09	1.236E-05
3591 489363.09, 3850377.25	0.00591	0.00591	0.00498	0.00514	0.00314	1.11E-05	5.185E-07	1.0202E-08	3.508E-09	1.16E-05	1.36E-05	6.35E-07	1.01E-08	1.96E-09	1.43E-05	1.20E-05	4.887E-07	9.778E-09	2.028E-09	1.25E-05
3592 489863.09, 3850377.25	0.00582	0.00557	0.00488	0.00499	0.00319	1.09E-05	4.886E-07	9.9042E-09	3.564E-09	1.14E-05	1.34E-05	5.99E-07	9.78E-09	2.00E-09	1.40E-05	1.18E-05	4.606E-07	9.492E-09	2.061E-09	1.229E-05
3593 490363.09, 3850377.25	0.00585	0.00544	0.00486	0.00493	0.00323	1.10E-05	4.772E-07	9.7851E-09	3.609E-09	1.15E-05	1.35E-05	5.85E-07	9.66E-09	2.02E-09	1.41E-05	1.19E-05	4.499E-07	9.378E-09	2.086E-09	1.234E-05
3594 490863.09, 3850377.25	0.00602	0.00603	0.005	0.00498	0.00329	1.13E-05	5.29E-07	9.8844E-09	3.676E-09	1.19E-05	1.39E-05	6.48E-07	9.76E-09	2.06E-09	1.45E-05	1.22E-05	4.987E-07	9.473E-09	2.125E-09	1.273E-05
3595 491363.09, 3850377.25	0.00617	0.00632	0.00516	0.00511	0.00336	1.16E-05	5.544E-07	1.0142E-08	3.754E-09	1.22E-05	1.42E-05	6.79E-07	1.00E-08	2.10E-09	1.49E-05	1.25E-05	5.227E-07	9.721E-09	2.17E-09	1.306E-05
3596 491863.09, 3850377.25	0.00605	0.00647	0.00513	0.00506	0.00343	1.14E-05	5.676E-07	1.0043E-08	3.832E-09	1.20E-05	1.39E-05	6.96E-07	9.91E-09	2.15E-09	1.46E-05	1.23E-05	5.351E-07	9.625E-09	2.216E-09	1.283E-05

3597	492363.09, 3850377.25	0.00585	0.00643	0.00506	0.00495	0.0035	1.10E-05	5.641E-07	9.8248E-09	3.911E-09	1.16E-05	1.35E-05	6.91E-07	9.70E-09	2.19E-09	1.42E-05	1.19E-05	5.318E-07	9.416E-09	2.261E-09	1.242E-05
3598	492863.09, 3850377.25	0.00584	0.00657	0.00516	0.00503	0.00365	1.10E-05	5.764E-07	9.9836E-09	4.078E-09	1.16E-05	1.34E-05	7.06E-07	9.85E-09	2.28E-09	1.42E-05	1.19E-05	5.433E-07	9.568E-09	2.358E-09	1.241E-05
3599	493363.09, 3850377.25	0.0057	0.00629	0.00514	0.00499	0.00372	1.07E-05	5.518E-07	9.9042E-09	4.156E-09	1.13E-05	1.31E-05	6.76E-07	9.78E-09	2.33E-09	1.38E-05	1.16E-05	5.202E-07	9.492E-09	2.403E-09	1.211E-05
3600	493863.09, 3850377.25	0.00641	0.00699	0.00581	0.00568	0.00419	1.20E-05	6.132E-07	1.1274E-08	4.682E-09	1.27E-05	1.48E-05	7.51E-07	1.11E-08	2.62E-09	1.55E-05	1.30E-05	5.781E-07	1.08E-08	2.707E-09	1.361E-05
3601	494363.09, 3850377.25	0.00705	0.00767	0.00644	0.00635	0.00464	1.32E-05	6.729E-07	1.2604E-08	5.184E-09	1.39E-05	1.62E-05	8.25E-07	1.24E-08	2.90E-09	1.71E-05	1.43E-05	6.343E-07	1.208E-08	2.997E-09	1.496E-05
3602	494863.09, 3850377.25	0.00808	0.0087	0.00744	0.00742	0.00526	1.52E-05	7.632E-07	1.4727E-08	5.877E-09	1.60E-05	1.86E-05	9.35E-07	1.45E-08	3.29E-09	1.96E-05	1.64E-05	7.195E-07	1.411E-08	3.398E-09	1.714E-05
3603	495363.09, 3850377.25	0.00936	0.00991	0.00869	0.00874	0.00603	1.76E-05	8.694E-07	1.7347E-08	6.737E-09	1.85E-05	2.16E-05	1.07E-06	1.71E-08	3.77E-09	2.26E-05	1.90E-05	8.195E-07	1.663E-08	3.895E-09	1.984E-05
3604	495863.09, 3850377.25	0.00913	0.0095	0.00859	0.00867	0.00615	1.72E-05	8.334E-07	1.7208E-08	6.871E-09	1.80E-05	2.10E-05	1.02E-06	1.70E-08	3.85E-09	2.21E-05	1.85E-05	7.856E-07	1.649E-08	3.973E-09	1.934E-05
3605	496363.09, 3850377.25	0.01042	0.01069	0.0099	0.01008	0.00699	1.96E-05	9.378E-07	2.0007E-08	7.81E-09	2.05E-05	2.40E-05	1.15E-06	1.97E-08	4.37E-09	2.52E-05	2.12E-05	8.84E-07	1.917E-08	4.515E-09	2.206E-05
3606	496863.09, 3850377.25	0.01167	0.01188	0.01116	0.01145	0.00783	2.19E-05	1.042E-06	2.2726E-08	8.749E-09	2.30E-05	2.69E-05	1.28E-06	2.24E-08	4.90E-09	2.82E-05	2.37E-05	9.825E-07	2.178E-08	5.058E-09	2.47E-05
3607	497363.09, 3850377.25	0.01231	0.01247	0.0119	0.01217	0.0084	2.31E-05	1.094E-06	2.4155E-08	9.385E-09	2.43E-05	2.83E-05	1.34E-06	2.38E-08	5.25E-09	2.97E-05	2.50E-05	1.031E-06	2.315E-08	5.426E-09	2.605E-05
3608	497863.09, 3850377.25	0.01237	0.01264	0.01207	0.01227	0.00867	2.32E-05	1.109E-06	2.4354E-08	9.687E-09	2.44E-05	2.85E-05	1.36E-06	2.40E-08	5.42E-09	2.99E-05	2.51E-05	1.045E-06	2.334E-08	5.601E-09	2.619E-05
3609	498363.09, 3850377.25	0.01239	0.01281	0.01221	0.0123	0.00889	2.33E-05	1.124E-06	2.4413E-08	9.933E-09	2.44E-05	2.85E-05	1.38E-06	2.41E-08	5.56E-09	2.99E-05	2.52E-05	1.059E-06	2.34E-08	5.743E-09	2.624E-05
3610	471363.09, 3850877.25	0.00664	0.0067	0.00657	0.00682	0.00451	1.25E-05	5.878E-07	1.3536E-08	5.039E-09	1.31E-05	1.53E-05	7.20E-07	1.34E-08	2.82E-09	1.60E-05	1.35E-05	5.541E-07	1.297E-08	2.913E-09	1.405E-05
3611	471863.09, 3850877.25	0.00731	0.00751	0.00705	0.00727	0.00488	1.37E-05	6.588E-07	1.443E-08	5.452E-09	1.44E-05	1.68E-05	8.07E-07	1.42E-08	3.05E-09	1.77E-05	1.48E-05	6.211E-07	1.383E-08	3.152E-09	1.548E-05
3612	472363.09, 3850877.25	0.0081	0.00841	0.00763	0.00782	0.00548	1.52E-05	7.378E-07	1.5521E-08	6.123E-09	1.60E-05	1.87E-05	9.04E-07	1.53E-08	3.43E-09	1.96E-05	1.64E-05	6.955E-07	1.488E-08	3.54E-09	1.716E-05
3613	472863.09, 3850877.25	0.00872	0.00895	0.00805	0.00826	0.0061	1.64E-05	7.852E-07	1.6395E-08	6.816E-09	1.72E-05	2.01E-05	9.62E-07	1.62E-08	3.82E-09	2.11E-05	1.77E-05	7.402E-07	1.571E-08	3.94E-09	1.846E-05
3614	473363.09, 3850877.25	0.00855	0.00866	0.00793	0.00815	0.00585	1.61E-05	7.597E-07	1.6176E-08	6.536E-09	1.68E-05	1.97E-05	9.31E-07	1.60E-08	3.66E-09	2.06E-05	1.74E-05	7.162E-07	1.55E-08	3.779E-09	1.81E-05
3615	473863.09, 3850877.25	0.00934	0.00896	0.0085	0.00887	0.00666	1.76E-05	7.86E-07	1.7605E-08	7.441E-09	1.84E-05	2.15E-05	9.63E-07	1.74E-08	4.17E-09	2.25E-05	1.90E-05	7.41E-07	1.687E-08	4.302E-09	1.973E-05
3616	474363.09, 3850877.25	0.01044	0.00967	0.00926	0.00989	0.00778	1.96E-05	8.483E-07	1.963E-08	8.693E-09	2.05E-05	2.40E-05	1.04E-06	1.94E-08	4.87E-09	2.51E-05	2.12E-05	7.997E-07	1.881E-08	5.026E-09	2.202E-05
3617	474863.09, 3850877.25	0.01125	0.01043	0.01	0.01077	0.00867	2.11E-05	9.15E-07	2.1376E-08	9.687E-09	2.21E-05	2.59E-05	1.12E-06	2.11E-08	5.42E-09	2.71E-05	2.28E-05	8.625E-07	2.049E-08	5.601E-09	2.373E-05
3618	475363.09, 3850877.25	0.01212	0.01136	0.01088	0.0118	0.00959	2.28E-05	9.966E-07	2.3421E-08	1.072E-08	2.38E-05	2.79E-05	1.22E-06	2.31E-08	6.00E-09	2.92E-05	2.46E-05	9.395E-07	2.245E-08	6.195E-09	2.558E-05
3619	475863.09, 3850877.25	0.01311	0.01219	0.0118	0.01293	0.01051	2.46E-05	1.069E-06	2.5664E-08	1.174E-08	2.57E-05	3.02E-05	1.31E-06	2.53E-08	6.57E-09	3.15E-05	2.66E-05	1.008E-06	2.46E-08	6.789E-09	2.766E-05
3620	476363.09, 3850877.25	0.0141	0.0131	0.01267	0.01389	0.01126	2.65E-05	1.149E-06	2.7569E-08	1.258E-08	2.77E-05	3.25E-05	1.41E-06	2.72E-08	7.04E-09	3.39E-05	2.86E-05	1.083E-06	2.642E-08	7.274E-09	2.975E-05
3621	476863.09, 3850877.25	0.01501	0.01399	0.01336	0.01464	0.01158	2.82E-05	1.227E-06	2.9058E-08	1.294E-08	2.95E-05	3.46E-05	1.50E-06	2.87E-08	7.24E-09	3.61E-05	3.05E-05	1.157E-06	2.785E-08	7.48E-09	3.167E-05
3622	477363.09, 3850877.25	0.0158	0.01459	0.01375	0.0152	0.01169	2.97E-05	1.28E-06	3.0169E-08	1.306E-08	3.10E-05	3.64E-05	1.57E-06	2.98E-08	7.31E-09	3.80E-05	3.21E-05	1.207E-06	2.891E-08	7.551E-09	3.332E-05
3623	477863.09, 3850877.25	0.0164	0.01483	0.01388	0.01566	0.0118	3.08E-05	1.301E-06	3.1082E-08	1.318E-08	3.22E-05	3.78E-05	1.59E-06	3.07E-08	7.38E-09	3.94E-05	3.33E-05	1.226E-06	2.979E-08	7.622E-09	3.456E-05
3624	478363.09, 3850877.25	0.01679	0.01482	0.01384	0.01607	0.01178	3.16E-05	1.3E-06	3.1896E-08	1.316E-08	3.29E-05	3.87E-05	1.59E-06	3.15E-08	7.37E-09	4.03E-05	3.41E-05	1.226E-06	3.057E-08	7.61E-09	3.535E-05
3625	478863.09, 3850877.25	0.017	0.01458	0.0136	0.01622	0.01161	3.19E-05	1.279E-06	3.2194E-08	1.297E-08	3.33E-05	3.91E-05	1.57E-06	3.18E-08	7.26E-09	4.08E-05	3.45E-05	1.206E-06	3.085E-08	7.5E-09	3.576E-05
3626	479363.09, 3850877.25	0.01743	0.01484	0.01377	0.01615	0.01079	3.28E-05	1.302E-06	3.2055E-08	1.206E-08	3.41E-05	4.01E-05	1.60E-06	3.16E-08	6.75E-09	4.18E-05	3.54E-05	1.227E-06	3.072E-08	6.97E-09	3.665E-05
3627	479863.09, 3850877.25	0.01987	0.01786	0.01618	0.01778	0.01149	3.73E-05	1.567E-06	3.529E-08	1.284E-08	3.90E-05	4.58E-05	1.92E-06	3.48E-08	7.19E-09	4.77E-05	4.03E-05	1.477E-06	3.382E-08	7.422E-09	4.186E-05
3628	480363.09, 3850877.25	0.02341	0.022	0.02022	0.02225	0.01668	4.40E-05	1.93E-06	4.4162E-08	1.864E-08	4.60E-05	5.39E-05	2.37E-06	4.36E-08	1.04E-08	5.63E-05	4.75E-05	1.819E-06	4.233E-08	1.077E-08	4.94E-05
3629	480863.09, 3850877.25	0.02435	0.02256	0.02155	0.02412	0.018	4.58E-05	1.979E-06	4.7874E-08	2.011E-08	4.78E-05	5.61E-05	2.43E-06	4.72E-08	1.13E-08	5.86E-05	4.94E-05	1.866E-06	4.588E-08	1.163E-08	5.136E-05
3630	481363.09, 3850877.25	0.02204	0.02044	0.01928	0.02125	0.01417	4.14E-05	1.793E-06	4.2177E-08	1.583E-08	4.33E-05	5.08E-05	2.20E-06	4.16E-08	8.86E-09	5.30E-05	4.47E-05	1.69E-06	4.042E-08	9.153E-09	4.649E-05
3631	481863.09, 3850877.25	0.01811	0.01762	0.01629	0.01796	0.00985	3.40E-05	1.546E-06	3.5647E-08	1.101E-08	3.56E-05	4.17E-05	1.89E-06	3.52E-08	6.16E-09	4.36E-05	3.68E-05	1.457E-06	3.416E-08	6.363E-09	3.827E-05
3632	482363.09, 3850877.25	0.01409	0.0132	0.01295	0.01454	0.0069	2.65E-05	1.158E-06	2.8859E-08	7.709E-09	2.77E-05	3.24E-05	1.42E-06	2.85E-08	4.32E-09	3.39E-05	2.86E-05	1.092E-06	2.766E-08	4.457E-09	2.973E-05
3633	482863.09, 3850877.25	0.01094	0.00975	0.01011	0.01133	0.00569	2.06E-05	8.553E-07	2.2488E-08	6.358E-09	2.14E-05	2.52E-05	1.05E-06	2.22E-08	3.56E-09	2.63E-05	2.22E-05	8.063E-07	2.155E-08	3.676E-09	2.304E-05
3634	483363.09, 3850877.25	0.00813	0.00769	0.00754	0.00841	0.00451	1.53E-05	6.746E-07	1.6692E-08	5.039E-09	1.60E-05	1.87E-05	8.27E-07	1.65E-08	2.82E-09	1.96E-05	1.65E-05	6.36E-07	1.6E-08	2.913E-09	1.716E-05
3635	483863.09, 3850877.25	0.00787	0.00795	0.0073	0.00802	0.00444	1.48E-05	6.974E-07	1.5918E-08	4.961E-09	1.55E-05	1.81E-05	8.55E-07	1.57E-08	2.78E-09	1.90E-05	1.60E-05	6.575E-07	1.526E-08	2.868E-09	1.665E-05
3636	484363.09, 3850877.25	0.00921	0.00796	0.00835	0.00959	0.00499	1.73E-05	6.983E-07	1.9034E-08	5.575E-09	1.80E-05	2.12E-05	8.56E-07	1.88E-08	3.12E-09	2.21E-05	1.87E-05	6.583E-07	1.824E-08	3.223E-09	1.938E-05
3637	484863.09, 3850877.25	0.00899	0.00735	0.00811	0.00954	0.00479	1.69E-05	6.448E-07	1.8935E-08	5.352E-09	1.76E-05	2.07E-05	7.90E-07	1.87E-08	3.00E-09	2.15E-05	1.83E-05	6.078E-07	1.815E-08	3.094E-09	1.888E-05
3638	485363.09, 3850877.25	0.00936	0.00843	0.00829	0.00941	0.00487	1.76E-05	7.395E-07	1.8677E-08	5.441E-09	1.84E-05	2.16E-05	9.06E-07	1.84E-08	3.05E-09	2.25E-05	1.90E-05	6.972E-07	1.79E-08	3.146E-09	1.972E-05
3639	485863.09, 3850877.25	0.0078	0.00695	0.0068	0.00779	0.00417	1.47E-05	6.097E-07	1.5462E-08	4.659E-09	1.53E-05	1.80E-05	7.47E-07	1.53E-08	2.61E-09	1.87E-05	1.58E-05	5.748E-07	1.482E-08	2.694E-09	1.643E-05
3640	486363.09, 3850877.25	0.00801	0.00764	0.00695	0.00766	0.0042	1.51E-05	6.702E-07	1.5204E-08	4.693E-09	1.57E-05	1.84E-05	8.21E-07	1.50E-08	2.63E-09	1.93E-05	1.63E-05	6.318E-07	1.457E-08	2.713E-09	1.691E-05
3641	486863.09, 3850877.25	0.0077	0.0067	0.00643	0.00722	0.00397	1.45E-05	5.878E-07	1.433E-08	4.436E-09	1.51E-05	1.77E-05	7.20E-07	1.41E-08	2.48E-09	1.85E-05	1.56E-05	5.541E-07	1.373E-08	2.564E-09	1.62E-05
3642	487363.09, 3850877.25	0.00732	0.00733	0.00602	0.00645	0.00364	1.38E-05	6.43E-07	1.2802E-08	4.067E-09	1.44E-05	1.69E-05	7.88E-07	1.26E-08	2.28E-09	1.77E-05	1.49E-05	6.062E-07	1.227E-08	2.351E-09	1.548E-05
3643	487863.09, 3850877.25	0.00744	0.0075	0.00606	0.00647	0.00358	1.40E-05	6.58E-07	1.2842E-08	4E-09	1.47E-05	1.71E-05	8.06E-07	1.27E-08	2.24E-09	1.80E-05	1.51E-05	6.202E-07	1.231E-08	2.313E-09	1.574E-05
3644	488363.09, 3850877.25	0.00763	0.00709	0.00614	0.00665	0.00362	1.43E-05	6.22E-07	1.3199E-08	4.045E-09	1.50E-05	1.76E-05	7.62E-07	1.30E-08	2.26E-09	1.83E-05	1.55E-05	5.863E-07	1.265E-08	2.338E-09	1.609E-05
3645	488863.09, 3850877.25	0.0077	0.00743	0.0062	0.00655	0.00374	1.45E-05	6.518E-07	1.3001E-08	4.179E-09	1.51E-05	1.77E-05	7.99E-07	1.28E-08	2.34E-09	1.85E-05	1.56E-05	6.145E-07	1.246E-08	2.416E-09	1.626E-05
3646	489363.09, 3850877.25	0.00786	0.00753	0.00634	0.00655	0.00384	1.48E-05	6.606E-07	1.3001E-08	4.29E-09	1.54E-05	1.81E-05	8.09E-07	1.28E-08	2.40E-09	1.89E-05	1.60E-05	6.227E-07	1.246E-08	2.481E-09	1.66E-05
3647	489863.09, 3850877.25	0.00795	0.00746	0.00637	0.00646	0.00393	1.49E-05	6.544E-07	1.2822E-08	4.391E-09	1.56E-05	1.83E-05	8.02E-07	1.27E-08	2.46E-09	1.91E-05	1.61E-05	6.169E-07	1.229E-08	2.539E-09	1.677E-05
3648	490363.09, 3850877.25	0.00825	0.00831	0.00662	0.00664	0.00404	1.55E-05	7.29E-07	1.3179E-08	4.514E-09	1.63E-05	1.90E-05	8.93E-07	1.30E-08	2.53E-09	1.99E-05	1.68E-05	6.872E-07	1.263E-08	2.61E-09	1.745E-05
3649	490863.09, 3850877.25	0.00854	0.00901	0.00694	0.00691	0.00415	1.60E-05	7.904E-07	1.3715E-08	4.637E-09	1.69E-05	1.97E-05	9.69E-07	1.35E-08	2.60E-09	2.07E-05	1.73E-05	7.451E-07	1.314E-08	2.681E-09	1.81E-05
3650	491363.09, 3850877.25	0.00852	0.00919	0.00707	0.00705	0.00429	1.60E-05	8.062E-07	1.3993E-08	4.793E-09	1.68E-05	1.96E-05	9.88E-07	1.38E-08	2.68E-09	2.06E-05	1.73E-05	7.6E-07	1.341E-08	2.771E-09	1.808E-05
3651	491863.09, 3850877.25	0.00838	0.0091	0.00709	0.00705	0.00445	1.57E-05	7.983E-07	1.3993E-08	4.972E-09	1.66E-05	1.93E-05	9.78E-07	1.38E-08	2.78E-09	2.03E-05	1.70E-05	7.526E-07	1.341E-08	2.875E-09	1.778E-05
3652	492363.09, 3850877.25	0.00828	0.00923	0.00715	0.00704	0.00466	1.56E-05	8.097E-07	1.3973E-08	5.207E-09	1.64E-05	1.91E-05	9.92E-07	1.38E-08	2.91E-09	2.01E-05	1.68E-05	7.633E-07	1.339E-08	3.01E-09	1.759E-05
3653	492863.09, 3850877.25	0.00833	0.00923	0.00733	0.00717	0.00493	1.57E-05	8.097E-07	1.4231E-08	5.508E-09	1.65E-05	1.92E-05	9.92E-07	1.40E-08	3.08E-09	2.02E-05	1.69E-05	7.633E-07	1.364E-08	3.185E-09	1.769E-05
3654	493363.09, 3850877.25	0.00858	0.00943	0.00766	0.00757	0.00527	1.61E-05	8.273E-07	1.5025E-08	5.888E-09	1.70E-05	1.98E-05	1.01E-06	1.48E-08	3.30E-09	2.08E-05	1.74E-05	7.798E-07	1.44E-08	3.404E-09	1.822E-05
3655	493863.09, 3850877.25	0.00962	0.01048	0.0087	0.00868	0.00591	1.81E-05	9.194E-07	1.7228E-08	6.603E-09	1.90E-05	2.22E-05	1.13E-06	1.70E-08	3.70E-09	2.33E-05	1.95E-05	8.667E-07	1.651E-08	3.818E-09	2.042E-05
3656	494363.09, 3850877.25	0.01022	0.01096	0.00936	0.0094	0.00641	1.92E-05	9.615E-07	1.8657E-08	7.162E-09	2.02E-05	2.35E-05	1.18E-06	1.84E-08	4.01E-09	2.47E-05	2.08E-05	9.064E-07	1.788E-08	4.141E-09	2.168E-05
3657	494863.09, 3850877.25	0.01145	0.01201	0.01061	0.01075	0.00723	2.15E-05	1.054E-06	2.1337E-08	8.078E-09	2.26E-05	2.64E-05	1.29E-06	2.11E-08	4.52E-09	2.77E-05	2.32E-05	9.932E-07	2.045E-08	4.67E-09	2.427E-05
3658	495363.09, 3850877.25	0.0128	0.01307	0.01197	0.01228	0.00813	2.41E-05	1.147E-06	2.4374E-08	9.084E-09	2.52E-05	2.95E-05	1.41E-06	2.41E-08	5.08E-09	3.09E-05	2.60E-05	1.081E-06	2.336E-08	5.252E-09	2.71E-05
3659	495863.09, 3850877.25	0.01316	0.01332	0.01245	0.01278	0.00859	2.47E-05	1.169E-06	2.5366E-08	9.598E-09	2.59E-05	3.03E-05	1.43E-06	2.50E-08	5.37E-09	3.18E-05	2.67E-05	1.102E-06	2.431E-08	5.549E-09	2.785E-05
3660	496363.09, 3850877.25	0.01395	0.01416	0.01334	0.01368	0.00928	2.62E-05	1.242E-06	2.7152E-08	1.037E-08	2.75E-05	3.21E-05	1.52E-06	2.68E-08	5.80E-09	3.37E-05	2.83E-05	1.171E-06	2.602E-08	5.995E-09	2.953E-05
3661	496863.09, 3850877.25	0.0152	0.01554	0.01472	0.01505	0.01017	2.86E-05	1.363E-06	2.9871E-08	1.136E-08	3.00E-05	3.50E-05	1.67E-06	2.95E-08	6.36E-09	3.67E-05	3.09E-05	1.285E-06	2.863E-08	6.569E-09	3.218E-05
3662	497363.09, 3850877.25	0.01536	0.01587	0.01503	0.01531	0.01054	2.89E-05	1.392E-06	3.0388E-08	1.178E-08	3.03E-05	3.54E-05	1.71E-06	3.00E-08	6.59E-09	3.71E-05	3.12E-05	1.312E-06	2.912E-08	6.809E-09	3.253E-05
3663	497863.09, 3850877.25	0.01515	0.0157	0.01497	0.01518	0.01071	2.85E-05	1.377E-06	3.0129E-08	1.197E-08	2.99E-05	3.49E-05	1.69E-06	2.97E-08	6.70E-09	3.66E-05	3.08E-05	1.298E-06	2.888E-08	6.918E-09	3.209E-05
3664	498363.09, 3850877.25	0.01491	0.01541	0.01482	0.01494	0.01079	2.80E-05	1.352E-06	2.9653E-08	1.206E-08	2.94E-05	3.43E-05	1.66E-06	2.93E-08	6.75E-09	3.60E-05	3.03E-05	1.274E-06	2.842E-08	6.97E-09	3.158E-05
3665	471363.09, 3851377.25	0.00711	0.00684	0.00726	0.00748	0.0051	1.34E-05	6.001E-07	1.4846E-08	5.698E-09	1.40E-05	1.64E-05	7.35E-07	1.47E-08	3.19E-09	1.71E-05	1.44E-05	5.657E-07	1.423E-08	3.294E-09	1.502E-05
3666	471863.09, 3851377.25	0.00849	0.00808	0.00844	0.00882	0.00616	1.60E-05	7.088E-07	1.7506E-08	6.883E-09	1.67E-05	1.96E-05	8.69E-07	1.73E-08	3.85E-09	2.04E-05	1.72E-05	6.682E-07	1.678E-08	3.979E-09	1.793E-05
3667	472363.09, 3851377.25	0.00876	0.00853	0.00861	0.00901	0.00615	1.65E-05	7.483E-07	1.7883E-08	6.871E-09	1.72E-05	2.02E-05	9.17E-07	1.76E-08	3.85E-09	2.11E-05	1.78E-05	7.054E-07	1.714E-08	3.973E-09	1.851E-05
3668	472863.09, 3851377.25	0.00906	0.00913	0.00876	0.00911	0.00615	1.70E-05	8.009E-07	1.8082E-08	6.871E-09	1.79E-05	2.09E-05	9.81E-07	1.78E-08	3.85E-09	2.19E-05	1.84E-05	7.55E-07	1.733E-08	3.973E-09	1.917E-05
3669	473363.09, 3851377.25	0.00862	0.00897	0.00826	0.0085	0.00555	1.62E-05	7.869E-07	1.6871E-08	6.201E-09	1.70E-05	1.99E-05	9.64E-07	1.67E-08	3.47E-09	2.08E-05	1.75E-05	7.418E-07	1.617E-08	3.585E-09	1.826E-05
3670	473863.09, 3851377.25	0.00907	0.00958	0.00856	0.00874	0.0058	1.70E-05	8.404E-07	1.7347E-08	6.48E-09	1.79E-05	2.09E-05	1.03E-06	1.71E-08	3.63E-09	2.19E-05	1.84E-05	7.923E-07	1.663E-08	3.747E-09	1.923E-05
3671	474363.09, 3851377.25	0.01026	0.01056	0.00944	0.0097	0.00684	1.93E-05	9.264E-07	1.9253E-08	7.642E-09	2.02E-05	2.36E-05	1.14E-06	1.90E-08	4.28E-09	2.48E-05	2.08E-05	8.733E-07	1.845E-08	4.418E-09	2.173E-05
3672	474863.09, 3851377.25	0.01124	0.01092	0.01007	0.01052	0.00783	2.11E-05	9.58E-07	2.088E-08	8.749E-09	2.21E-05	2.59E-05	1.17E-06	2.06E-08	4.90E-09	2.71E-05	2.28E-05	9.031E-07	2.001E-08	5.058E-09	2.375E-05
3673	475363.09, 3851377.25	0.0123	0.01148	0.0108	0.01151	0.00888	2.31E-05	1.007E-06	2.2845E-08	9.922E-09	2.42E-05	2.83E-05	1.23E-06	2.25E-08	5.55E-09	2.96E-05	2.50E-05	9.494E-07	2.189E-08	5.736E-09	2.595E-05
3674	475863.09, 3851377.25	0.01326	0.01231	0.01168	0.01257	0.00995	2.49E-05	1.08E-06	2.4949E-08	1.112E-08	2.60E-05	3.05E-05	1.32E-06	2.46E-08	6.22E-09	3.19E-05	2.69E-05	1.018E-06	2.391E-08	6.427E-09	2.797E-05
3675	476363.09, 3851377.25	0.01436	0.01342	0.01281	0.01386	0.01107	2.70E-05	1.177E-06	2.751E-08	1.237E-08	2.82E-05	3.31E-05	1.44E-06	2.72E-08	6.92E-09	3.45E-05	2.92E-05	1.11E-06	2.637E-08	7.151E-09	3.03E-05
3676	476863.09, 3851377.25	0.01539	0.0144	0.01396	0.01511	0.01186	2.89E-05	1.263E-06	2.9991E-08	1.325E-08	3.02E-05	3.54E-05	1.55E-06	2.96E-08	7.42E-09	3.70E-05	3.12E-05	1.191E-06	2.874E-08	7.661E-09	3.247E-05

3677 477363.09, 3851377.25	0.01693	0.01568	0.01502	0.0165	0.01321	3.18E-05	1.376E-06	3.2749E-08	1.476E-08	3.32E-05	3.90E-05	1.69E-06	3.23E-08	8.26E-09	4.07E-05	3.44E-05	1.297E-06	3.139E-08	8.533E-09	3.571E-05
3678 477863.09, 3851377.25	0.01815	0.01683	0.01584	0.01745	0.01363	3.41E-05	1.476E-06	3.4635E-08	1.523E-08	3.56E-05	4.18E-05	1.81E-06	3.42E-08	8.52E-09	4.36E-05	3.69E-05	1.392E-06	3.319E-08	8.805E-09	3.829E-05
3679 478363.09, 3851377.25	0.01913	0.01754	0.01627	0.01813	0.01368	3.59E-05	1.539E-06	3.5985E-08	1.528E-08	3.75E-05	4.41E-05	1.89E-06	3.55E-08	8.56E-09	4.60E-05	3.88E-05	1.451E-06	3.449E-08	8.837E-09	4.034E-05
3680 478863.09, 3851377.25	0.01987	0.01771	0.01633	0.01867	0.01381	3.73E-05	1.554E-06	3.7057E-08	1.543E-08	3.89E-05	4.58E-05	1.90E-06	3.66E-08	8.64E-09	4.77E-05	4.03E-05	1.465E-06	3.552E-08	8.921E-09	4.185E-05
3681 479363.09, 3851377.25	0.02026	0.01753	0.01614	0.01902	0.01368	3.81E-05	1.538E-06	3.7751E-08	1.528E-08	3.97E-05	4.67E-05	1.88E-06	3.73E-08	8.56E-09	4.86E-05	4.11E-05	1.45E-06	3.618E-08	8.837E-09	4.263E-05
3682 479863.09, 3851377.25	0.02082	0.01752	0.01607	0.01892	0.01302	3.91E-05	1.537E-06	3.7553E-08	1.455E-08	4.07E-05	4.79E-05	1.88E-06	3.71E-08	8.14E-09	4.99E-05	4.23E-05	1.449E-06	3.599E-08	8.411E-09	4.377E-05
3683 480363.09, 3851377.25	0.0237	0.02078	0.01856	0.02068	0.01385	4.45E-05	1.823E-06	4.1046E-08	1.547E-08	4.64E-05	5.46E-05	2.23E-06	4.05E-08	8.66E-09	5.69E-05	4.81E-05	1.718E-06	3.934E-08	8.947E-09	4.989E-05
3684 480863.09, 3851377.25	0.02788	0.026	0.02356	0.02598	0.01981	5.24E-05	2.281E-06	5.1566E-08	2.213E-08	5.47E-05	6.42E-05	2.80E-06	5.09E-08	1.24E-08	6.71E-05	5.66E-05	2.15E-06	4.942E-08	1.28E-08	5.882E-05
3685 481363.09, 3851377.25	0.0294	0.02626	0.02519	0.02846	0.02205	5.52E-05	2.304E-06	5.6488E-08	2.464E-08	5.76E-05	6.77E-05	2.82E-06	5.58E-08	1.38E-08	7.06E-05	5.97E-05	2.172E-06	5.414E-08	1.424E-08	6.193E-05
3686 481863.09, 3851377.25	0.02608	0.0243	0.02249	0.02511	0.01622	4.90E-05	2.132E-06	4.9839E-08	1.812E-08	5.12E-05	6.01E-05	2.61E-06	4.92E-08	1.01E-08	6.27E-05	5.30E-05	2.01E-06	4.777E-08	1.048E-08	5.502E-05
3687 482363.09, 3851377.25	0.02251	0.02155	0.01972	0.02213	0.01168	4.23E-05	1.891E-06	4.3924E-08	1.305E-08	4.42E-05	5.18E-05	2.32E-06	4.34E-08	7.31E-09	5.42E-05	4.57E-05	1.782E-06	4.21E-08	7.545E-09	4.754E-05
3688 482863.09, 3851377.25	0.01754	0.01543	0.01582	0.01791	0.00843	3.30E-05	1.354E-06	3.5548E-08	9.419E-09	3.44E-05	4.04E-05	1.66E-06	3.51E-08	5.27E-09	4.21E-05	3.56E-05	1.276E-06	3.407E-08	5.446E-09	3.693E-05
3689 483363.09, 3851377.25	0.01241	0.01149	0.01128	0.01267	0.00618	2.33E-05	1.008E-06	2.5148E-08	6.905E-09	2.44E-05	2.86E-05	1.24E-06	2.48E-08	3.87E-09	2.98E-05	2.52E-05	9.502E-07	2.41E-08	3.992E-09	2.618E-05
3690 483863.09, 3851377.25	0.01079	0.01066	0.00983	0.01101	0.0056	2.03E-05	9.352E-07	2.1853E-08	6.257E-09	2.12E-05	2.48E-05	1.15E-06	2.16E-08	3.50E-09	2.60E-05	2.19E-05	8.816E-07	2.094E-08	3.617E-09	2.281E-05
3691 484363.09, 3851377.25	0.01356	0.01235	0.01224	0.01396	0.00672	2.55E-05	1.083E-06	2.7708E-08	7.508E-09	2.66E-05	3.12E-05	1.33E-06	2.73E-08	4.20E-09	3.26E-05	2.75E-05	1.021E-06	2.656E-08	4.341E-09	2.858E-05
3692 484863.09, 3851377.25	0.00944	0.0076	0.00837	0.00969	0.00511	1.77E-05	6.667E-07	1.9233E-08	5.709E-09	1.84E-05	2.17E-05	8.17E-07	1.90E-08	3.20E-09	2.26E-05	1.92E-05	6.285E-07	1.843E-08	3.301E-09	1.982E-05
3693 485363.09, 3851377.25	0.01257	0.01146	0.01087	0.01258	0.00598	2.36E-05	1.005E-06	2.4969E-08	6.682E-09	2.47E-05	2.89E-05	1.23E-06	2.46E-08	3.74E-09	3.02E-05	2.55E-05	9.477E-07	2.393E-08	3.863E-09	2.65E-05
3694 485863.09, 3851377.25	0.0102	0.00861	0.00865	0.00998	0.00503	1.92E-05	7.553E-07	1.9808E-08	5.62E-09	1.99E-05	2.35E-05	9.26E-07	1.96E-08	3.15E-09	2.44E-05	2.07E-05	7.12E-07	1.898E-08	3.249E-09	2.144E-05
3695 486363.09, 3851377.25	0.01105	0.01065	0.00915	0.01025	0.00516	2.08E-05	9.343E-07	2.0344E-08	5.765E-09	2.17E-05	2.54E-05	1.14E-06	2.01E-08	3.23E-09	2.66E-05	2.24E-05	8.807E-07	1.95E-08	3.333E-09	2.334E-05
3696 486863.09, 3851377.25	0.01047	0.00956	0.00835	0.00915	0.00475	1.97E-05	8.387E-07	1.8161E-08	5.307E-09	2.05E-05	2.41E-05	1.03E-06	1.79E-08	2.97E-09	2.52E-05	2.13E-05	7.906E-07	1.741E-08	3.068E-09	2.207E-05
3697 487363.09, 3851377.25	0.009	0.00915	0.00706	0.00748	0.00406	1.69E-05	8.027E-07	1.4846E-08	4.536E-09	1.77E-05	2.07E-05	9.84E-07	1.47E-08	2.54E-09	2.17E-05	1.83E-05	7.567E-07	1.423E-08	2.623E-09	1.905E-05
3698 487863.09, 3851377.25	0.0101	0.00952	0.00783	0.00846	0.00432	1.90E-05	8.352E-07	1.6792E-08	4.827E-09	1.98E-05	2.33E-05	1.02E-06	1.66E-08	2.70E-09	2.43E-05	2.05E-05	7.873E-07	1.609E-08	2.791E-09	2.131E-05
3699 488363.09, 3851377.25	0.01051	0.00946	0.00806	0.00869	0.00449	1.98E-05	8.299E-07	1.7248E-08	5.017E-09	2.06E-05	2.42E-05	1.02E-06	1.70E-08	2.81E-09	2.52E-05	2.13E-05	7.823E-07	1.653E-08	2.9E-09	2.214E-05
3700 488863.09, 3851377.25	0.01066	0.01009	0.00819	0.00856	0.00461	2.00E-05	8.852E-07	1.699E-08	5.151E-09	2.09E-05	2.45E-05	1.08E-06	1.68E-08	2.88E-09	2.57E-05	2.16E-05	8.344E-07	1.628E-08	2.978E-09	2.25E-05
3701 489363.09, 3851377.25	0.01098	0.01077	0.00849	0.00856	0.00479	2.06E-05	9.448E-07	1.699E-08	5.352E-09	2.16E-05	2.53E-05	1.16E-06	1.68E-08	3.00E-09	2.65E-05	2.23E-05	8.907E-07	1.628E-08	3.094E-09	2.32E-05
3702 489863.09, 3851377.25	0.0113	0.01162	0.00878	0.00879	0.00493	2.12E-05	1.019E-06	1.7447E-08	5.508E-09	2.23E-05	2.60E-05	1.25E-06	1.72E-08	3.08E-09	2.73E-05	2.29E-05	9.61E-07	1.672E-08	3.185E-09	2.392E-05
3703 490363.09, 3851377.25	0.01167	0.01275	0.00924	0.00927	0.0051	2.19E-05	1.119E-06	1.8399E-08	5.698E-09	2.31E-05	2.69E-05	1.37E-06	1.82E-08	3.19E-09	2.83E-05	2.37E-05	1.054E-06	1.763E-08	3.294E-09	2.477E-05
3704 490863.09, 3851377.25	0.01191	0.01274	0.00965	0.00971	0.0054	2.24E-05	1.118E-06	1.9273E-08	6.033E-09	2.35E-05	2.74E-05	1.37E-06	1.90E-08	3.38E-09	2.88E-05	2.42E-05	1.054E-06	1.847E-08	3.488E-09	2.526E-05
3705 491363.09, 3851377.25	0.0118	0.01282	0.00977	0.00975	0.00571	2.22E-05	1.125E-06	1.9352E-08	6.38E-09	2.33E-05	2.72E-05	1.38E-06	1.91E-08	3.57E-09	2.86E-05	2.40E-05	1.06E-06	1.855E-08	3.688E-09	2.504E-05
3706 491863.09, 3851377.25	0.01178	0.01314	0.01002	0.00989	0.00601	2.21E-05	1.153E-06	1.963E-08	6.715E-09	2.33E-05	2.71E-05	1.41E-06	1.94E-08	3.76E-09	2.86E-05	2.39E-05	1.087E-06	1.881E-08	3.882E-09	2.503E-05
3707 492363.09, 3851377.25	0.01195	0.01343	0.01038	0.01026	0.00642	2.25E-05	1.178E-06	2.0364E-08	7.173E-09	2.37E-05	2.75E-05	1.44E-06	2.01E-08	4.02E-09	2.90E-05	2.43E-05	1.111E-06	1.952E-08	4.147E-09	2.54E-05
3708 492863.09, 3851377.25	0.0118	0.01307	0.01047	0.01043	0.00674	2.22E-05	1.147E-06	2.0702E-08	7.531E-09	2.33E-05	2.72E-05	1.41E-06	2.04E-08	4.22E-09	2.86E-05	2.40E-05	1.081E-06	1.984E-08	4.354E-09	2.506E-05
3709 493363.09, 3851377.25	0.01074	0.01168	0.0097	0.0097	0.00667	2.02E-05	1.025E-06	1.9253E-08	7.452E-09	2.12E-05	2.47E-05	1.26E-06	1.90E-08	4.17E-09	2.60E-05	2.18E-05	9.659E-07	1.845E-08	4.309E-09	2.279E-05
3710 493863.09, 3851377.25	0.01191	0.01266	0.0109	0.01101	0.00746	2.24E-05	1.111E-06	2.1853E-08	8.335E-09	2.35E-05	2.74E-05	1.36E-06	2.16E-08	4.67E-09	2.88E-05	2.42E-05	1.047E-06	2.094E-08	4.819E-09	2.525E-05
3711 494363.09, 3851377.25	0.01435	0.0148	0.01326	0.01355	0.00886	2.70E-05	1.298E-06	2.6894E-08	9.899E-09	2.83E-05	3.30E-05	1.59E-06	2.65E-08	5.54E-09	3.47E-05	2.91E-05	1.224E-06	2.578E-08	5.723E-09	3.039E-05
3712 494863.09, 3851377.25	0.01505	0.01526	0.01406	0.01443	0.00954	2.83E-05	1.339E-06	2.8641E-08	1.066E-08	2.97E-05	3.47E-05	1.64E-06	2.83E-08	5.97E-09	3.63E-05	3.06E-05	1.262E-06	2.745E-08	6.163E-09	3.185E-05
3713 495363.09, 3851377.25	0.01755	0.01781	0.0166	0.01711	0.01106	3.30E-05	1.562E-06	3.396E-08	1.236E-08	3.46E-05	4.04E-05	1.91E-06	3.35E-08	6.92E-09	4.24E-05	3.56E-05	1.473E-06	3.255E-08	7.144E-09	3.715E-05
3714 495863.09, 3851377.25	0.01853	0.01891	0.01775	0.01829	0.01188	3.48E-05	1.659E-06	3.6302E-08	1.327E-08	3.65E-05	4.27E-05	2.03E-06	3.58E-08	7.43E-09	4.47E-05	3.76E-05	1.564E-06	3.479E-08	7.674E-09	3.923E-05
3715 496363.09, 3851377.25	0.019	0.01953	0.01844	0.01891	0.01248	3.57E-05	1.713E-06	3.7533E-08	1.394E-08	3.75E-05	4.38E-05	2.10E-06	3.70E-08	7.81E-09	4.59E-05	3.86E-05	1.615E-06	3.597E-08	8.062E-09	4.024E-05
3716 496863.09, 3851377.25	0.01911	0.01978	0.01875	0.01913	0.01291	3.59E-05	1.735E-06	3.797E-08	1.442E-08	3.77E-05	4.40E-05	2.13E-06	3.75E-08	8.07E-09	4.62E-05	3.88E-05	1.636E-06	3.639E-08	8.339E-09	4.048E-05
3717 497363.09, 3851377.25	0.01911	0.0198	0.01894	0.01917	0.01321	3.59E-05	1.737E-06	3.8049E-08	1.476E-08	3.77E-05	4.40E-05	2.13E-06	3.76E-08	8.26E-09	4.62E-05	3.88E-05	1.637E-06	3.647E-08	8.533E-09	4.048E-05
3718 497863.09, 3851377.25	0.01875	0.01933	0.01871	0.0189	0.0133	3.52E-05	1.696E-06	3.7513E-08	1.486E-08	3.70E-05	4.32E-05	2.08E-06	3.70E-08	8.32E-09	4.53E-05	3.81E-05	1.599E-06	3.595E-08	8.591E-09	3.971E-05
3719 498363.09, 3851377.25	0.0177	0.0182	0.01776	0.01793	0.01298	3.33E-05	1.597E-06	3.5588E-08	1.45E-08	3.49E-05	4.08E-05	1.96E-06	3.51E-08	8.12E-09	4.28E-05	3.59E-05	1.505E-06	3.411E-08	8.385E-09	3.749E-05
3720 471363.09, 3851877.25	0.00788	0.00831	0.00795	0.00793	0.00551	1.48E-05	7.29E-07	1.574E-08	6.156E-09	1.56E-05	1.81E-05	8.93E-07	1.55E-08	3.45E-09	1.91E-05	1.60E-05	6.872E-07	1.508E-08	3.559E-09	1.671E-05
3721 471863.09, 3851877.25	0.00778	0.00795	0.00789	0.00795	0.00542	1.46E-05	6.974E-07	1.5779E-08	6.056E-09	1.53E-05	1.79E-05	8.55E-07	1.56E-08	3.39E-09	1.88E-05	1.58E-05	6.575E-07	1.512E-08	3.501E-09	1.647E-05
3722 472363.09, 3851877.25	0.00869	0.00849	0.00871	0.00893	0.00611	1.63E-05	7.448E-07	1.7724E-08	6.827E-09	1.71E-05	2.00E-05	9.13E-07	1.75E-08	3.82E-09	2.09E-05	1.76E-05	7.021E-07	1.699E-08	3.947E-09	1.837E-05
3723 472863.09, 3851877.25	0.00951	0.00903	0.00944	0.0098	0.00669	1.79E-05	7.922E-07	1.9451E-08	7.475E-09	1.87E-05	2.19E-05	9.71E-07	1.92E-08	4.18E-09	2.29E-05	1.93E-05	7.468E-07	1.864E-08	4.322E-09	2.008E-05
3724 473363.09, 3851877.25	0.0092	0.00866	0.00914	0.00956	0.00625	1.73E-05	7.597E-07	1.8975E-08	6.983E-09	1.81E-05	2.12E-05	9.31E-07	1.87E-08	3.91E-09	2.21E-05	1.87E-05	7.162E-07	1.819E-08	4.037E-09	1.942E-05
3725 473863.09, 3851877.25	0.00956	0.00927	0.0094	0.00984	0.0063	1.80E-05	8.132E-07	1.9531E-08	7.039E-09	1.88E-05	2.20E-05	9.97E-07	1.93E-08	3.94E-09	2.30E-05	1.94E-05	7.666E-07	1.872E-08	4.07E-09	2.02E-05
3726 474363.09, 3851877.25	0.01094	0.01109	0.01047	0.01087	0.00714	2.06E-05	9.729E-07	2.1575E-08	7.978E-09	2.16E-05	2.52E-05	1.19E-06	2.13E-08	4.47E-09	2.64E-05	2.22E-05	9.171E-07	2.068E-08	4.612E-09	2.315E-05
3727 474863.09, 3851877.25	0.01214	0.01263	0.0113	0.01163	0.00807	2.28E-05	1.108E-06	2.3083E-08	9.017E-09	2.40E-05	2.80E-05	1.36E-06	2.28E-08	5.05E-09	2.93E-05	2.46E-05	1.044E-06	2.212E-08	5.213E-09	2.572E-05
3728 475363.09, 3851877.25	0.01288	0.0133	0.0117	0.01208	0.00862	2.42E-05	1.167E-06	2.3977E-08	9.631E-09	2.54E-05	2.97E-05	1.43E-06	2.37E-08	5.39E-09	3.11E-05	2.62E-05	1.1E-06	2.298E-08	5.568E-09	2.728E-05
3729 475863.09, 3851877.25	0.01352	0.01346	0.01205	0.01252	0.00903	2.54E-05	1.181E-06	2.485E-08	1.009E-08	2.66E-05	3.11E-05	1.45E-06	2.45E-08	5.65E-09	3.26E-05	2.75E-05	1.113E-06	2.382E-08	5.833E-09	2.859E-05
3730 476363.09, 3851877.25	0.01377	0.01336	0.01236	0.01277	0.00914	2.59E-05	1.172E-06	2.5346E-08	1.021E-08	2.71E-05	3.17E-05	1.44E-06	2.50E-08	5.72E-09	3.32E-05	2.80E-05	1.105E-06	2.429E-08	5.904E-09	2.909E-05
3731 476863.09, 3851877.25	0.01511	0.0145	0.01362	0.0142	0.01065	2.84E-05	1.272E-06	2.8184E-08	1.19E-08	2.97E-05	3.48E-05	1.56E-06	2.78E-08	6.66E-09	3.64E-05	3.07E-05	1.199E-06	2.701E-08	6.88E-09	3.191E-05
3732 477363.09, 3851877.25	0.01676	0.01592	0.01517	0.01608	0.01222	3.15E-05	1.397E-06	3.1916E-08	1.365E-08	3.29E-05	3.86E-05	1.71E-06	3.15E-08	7.64E-09	4.03E-05	3.40E-05	1.317E-06	3.059E-08	7.894E-09	3.538E-05
3733 477863.09, 3851877.25	0.01853	0.01742	0.0168	0.01803	0.0135	3.48E-05	1.528E-06	3.5786E-08	1.508E-08	3.64E-05	4.27E-05	1.87E-06	3.53E-08	8.44E-09	4.46E-05	3.76E-05	1.441E-06	3.43E-08	8.721E-09	3.911E-05
3734 478363.09, 3851877.25	0.02005	0.01925	0.01828	0.01945	0.01407	3.77E-05	1.689E-06	3.8605E-08	1.572E-08	3.94E-05	4.62E-05	2.07E-06	3.81E-08	8.80E-09	4.83E-05	4.07E-05	1.592E-06	3.7E-08	9.089E-09	4.235E-05
3735 478863.09, 3851877.25	0.0221	0.02085	0.01926	0.02095	0.01511	4.15E-05	1.829E-06	4.1582E-08	1.688E-08	4.34E-05	5.09E-05	2.24E-06	4.10E-08	9.45E-09	5.32E-05	4.49E-05	1.724E-06	3.985E-08	9.761E-09	4.665E-05
3736 479363.09, 3851877.25	0.02382	0.02166	0.01968	0.02211	0.01617	4.48E-05	1.9E-06	4.3884E-08	1.807E-08	4.67E-05	5.49E-05	2.33E-06	4.33E-08	1.01E-08	5.72E-05	4.84E-05	1.791E-06	4.206E-08	1.045E-08	5.021E-05
3737 479863.09, 3851877.25	0.02465	0.02155	0.0195	0.02263	0.01645	4.63E-05	1.891E-06	4.4916E-08	1.838E-08	4.83E-05	5.68E-05	2.32E-06	4.43E-08	1.03E-08	5.91E-05	5.00E-05	1.782E-06	4.305E-08	1.063E-08	5.188E-05
3738 480363.09, 3851877.25	0.02538	0.02141	0.01932	0.02271	0.01577	4.77E-05	1.878E-06	4.5075E-08	1.762E-08	4.96E-05	5.84E-05	2.30E-06	4.45E-08	9.86E-09	6.08E-05	5.15E-05	1.771E-06	4.32E-08	1.019E-08	5.335E-05
3739 480863.09, 3851877.25	0.02874	0.02484	0.02179	0.02427	0.01624	5.40E-05	2.179E-06	4.8171E-08	1.815E-08	5.63E-05	6.62E-05	2.67E-06	4.75E-08	1.02E-08	6.89E-05	5.84E-05	2.054E-06	4.617E-08	1.049E-08	6.046E-05
3740 481363.09, 3851877.25	0.03379	0.03128	0.02786	0.03074	0.02359	6.35E-05	2.744E-06	6.1013E-08	2.636E-08	6.63E-05	7.78E-05	3.36E-06	6.02E-08	1.48E-08	8.12E-05	6.86E-05	2.587E-06	5.848E-08	1.524E-08	7.127E-05
3741 481863.09, 3851877.25	0.03593	0.03174	0.03005	0.03404	0.02544	6.75E-05	2.784E-06	6.7563E-08	2.842E-08	7.04E-05	8.27E-05	3.41E-06	6.67E-08	1.59E-08	8.62E-05	7.30E-05	2.625E-06	6.475E-08	1.643E-08	7.566E-05
3742 482363.09, 3851877.25	0.02876	0.02816	0.02532	0.02764	0.0151	5.40E-05	2.47E-06	5.486E-08	1.687E-08	5.66E-05	6.62E-05	3.03E-06	5.41E-08	9.44E-09	6.93E-05	5.84E-05	2.329E-06	5.258E-08	9.754E-09	6.078E-05
3743 482863.09, 3851877.25	0.01998	0.01837	0.018	0.02037	0.00899	3.75E-05	1.612E-06	4.0431E-08	1.004E-08	3.92E-05	4.60E-05	1.97E-06	3.99E-08	5.62E-09	4.80E-05	4.06E-05	1.519E-06	3.875E-08	5.807E-09	4.213E-05
3744 483363.09, 3851877.25	0.02004	0.01883	0.01788	0.02008	0.0092	3.77E-05	1.652E-06	3.9855E-08	1.028E-08	3.94E-05	4.61E-05	2.02E-06	3.93E-08	5.75E-09	4.82E-05	4.07E-05	1.557E-06	3.82E-08	5.943E-09	4.229E-05
3745 483863.09, 3851877.25	0.01817	0.01805	0.01605	0.01831	0.00806	3.41E-05	1.583E-06	3.6342E-08	9.006E-09	3.58E-05	4.18E-05	1.94E-06	3.59E-08	5.04E-09	4.38E-05	3.69E-05	1.493E-06	3.483E-08	5.207E-09	3.842E-05
3746 484363.09, 3851877.25	0.01926	0.01785	0.01685	0.01937	0.00874	3.62E-05	1.566E-06	3.8446E-08	9.765E-09	3.78E-05	4.44E-05	1.92E-06	3.79E-08	5.47E-09	4.63E-05	3.91E-05	1.476E-06	3.685E-08	5.646E-09	4.062E-05
3747 484863.09, 3851877.25	0.01661	0.01269	0.01415	0.01667	0.00761	3.12E-05	1.113E-06	3.3087E-08	8.503E-09	3.24E-05	3.82E-05	1.36E-06	3.27E-08	4.76E-09	3.97E-05	3.37E-05	1.049E-06	3.171E-08	4.916E-09	3.481E-05
3748 485363.09, 3851877.25	0.0169	0.01475	0.01395	0.01634	0.00728	3.18E-05	1.294E-06	3.2432E-08	8.134E-09	3.31E-05	3.89E-05	1.59E-06	3.20E-08	4.55E-09	4.05E-05	3.43E-05	1.22E-06	3.108E-08	4.703E-09	3.557E-05
3749 485863.09, 3851877.25	0.01695	0.01395	0.01357	0.0158	0.00703	3.19E-05	1.224E-06	3.136E-08	7.855E-09	3.31E-05	3.90E-05	1.50E-06	3.10E-08	4.40E-09	4.06E-05	3.44E-05	1.154E-06	3.006E-08	4.541E-09	3.56E-05
3750 486363.09, 3851877.25	0.01471	0.01373	0.01146	0.01255	0.00602	2.76E-05	1.204E-06	2.4909E-08	6.726E-09	2.89E-05	3.39E-05	1.48E-06	2.46E-08	3.77E-09	3.54E-05	2.99E-05	1.135E-06	2.387E-08	3.889E-09	3.103E-05
3751 486863.09, 3851877.25	0.01457	0.01387	0.01107	0.0119	0.00569	2.74E-05	1.217E-06	2.3619E-08	6.358E-09	2.86E-05	3.36E-05	1.49E-06	2.33E-08	3.56E-09	3.51E-05	2.96E-05	1.147E-06	2.264E-08	3.676E-09	3.076E-05
3752 487363.09, 3851877.25	0.01444	0.01387	0.0107	0.01158	0.00533	2.71E-05	1.217E-06	2.2984E-08	5.955E-09	2.84E-05	3.33E-05	1.49E-06	2.27E-08	3.33E-09	3.48E-05	2.93E-05	1.147E-06	2.203E-08	3.443E-09	3.049E-05
3753 487863.09, 3851877.25	0.01269	0.01141	0.00921	0.00976	0.00505	2.38E-05	1.001E-06	1.9372E-08	5.642E-09	2.49E-05	2.92E-05	1.23E-06	1.91E-08	3.16E-09	3.05E-05	2.58E-05	9.436E-07	1.857E-08	3.262E-09	2.673E-05
3754 488363.09, 3851877.25	0.0132	0.01203	0.00954	0.00991	0.0052	2.48E-05	1.055E-06	1.967E-08	5.81E-09	2.59E-05	3.04E-05	1.29E-06	1.94E-08	3.25E-09	3.17E-05	2.68E-05	9.949E-07	1.885E-08	3.359E-09	2.782E-05
3755 488863.09, 3851877.25	0.01307	0.01342	0.00959	0.0095	0.00524	2.46E-05	1.177E-06	1.8856E-08	5.855E-09	2.58E-05	3.01E-05	1.44E-06	1.86E-08	3.28E-09	3.16E-05	2.65E-05	1.11E-06	1.807E-08	3.385E-09	2.767E-05
3756 489363.09, 3851877.25	0.0132	0.0142	0.0099	0.00971	0.00532	2.48E-05	1.246E-06	1.9273E-08	5.944E-09	2.61E-05	3.04E-05	1.53E-06	1.90E-08	3.33E-09	3.19E-05	2.68E-05	1.174E-06	1.847E-08	3.437E-09	2.8E-05

3757 489863.09, 3851877.25	0.01362	0.01494	0.01047	0.01038	0.00568	2.56E-05	1.311E-06	2.0602E-08	6.346E-09	2.69E-05	3.14E-05	1.61E-06	2.03E-08	3.55E-09	3.30E-05	2.77E-05	1.236E-06	1.975E-08	3.669E-09	2.891E-05
3758 490363.09, 3851877.25	0.01448	0.01578	0.01145	0.01137	0.00624	2.72E-05	1.384E-06	2.2567E-08	6.972E-09	2.86E-05	3.33E-05	1.70E-06	2.23E-08	3.90E-09	3.51E-05	2.94E-05	1.305E-06	2.163E-08	4.031E-09	3.073E-05
3759 490863.09, 3851877.25	0.01546	0.01715	0.01259	0.01251	0.00697	2.91E-05	1.505E-06	2.483E-08	7.788E-09	3.06E-05	3.56E-05	1.84E-06	2.45E-08	4.36E-09	3.75E-05	3.14E-05	1.418E-06	2.38E-08	4.502E-09	3.284E-05
3760 491363.09, 3851877.25	0.01649	0.01875	0.01384	0.01377	0.0078	3.10E-05	1.645E-06	2.7331E-08	8.715E-09	3.27E-05	3.80E-05	2.02E-06	2.70E-08	4.88E-09	4.00E-05	3.35E-05	1.551E-06	2.619E-08	5.039E-09	3.506E-05
3761 491863.09, 3851877.25	0.0172	0.01953	0.01485	0.0148	0.00858	3.23E-05	1.713E-06	2.9375E-08	9.587E-09	3.41E-05	3.96E-05	2.10E-06	2.90E-08	5.37E-09	4.17E-05	3.49E-05	1.615E-06	2.815E-08	5.542E-09	3.657E-05
3762 492363.09, 3851877.25	0.01688	0.01861	0.01489	0.01501	0.00903	3.17E-05	1.633E-06	2.9792E-08	1.009E-08	3.34E-05	3.89E-05	2.00E-06	2.94E-08	5.65E-09	4.09E-05	3.43E-05	1.539E-06	2.855E-08	5.833E-09	3.585E-05
3763 492863.09, 3851877.25	0.01469	0.01581	0.01323	0.01334	0.00869	2.76E-05	1.387E-06	2.6477E-08	9.709E-09	2.90E-05	3.38E-05	1.70E-06	2.61E-08	5.44E-09	3.56E-05	2.98E-05	1.307E-06	2.538E-08	5.613E-09	3.116E-05
3764 493363.09, 3851877.25	0.0178	0.01866	0.01619	0.01654	0.01039	3.34E-05	1.637E-06	3.2829E-08	1.161E-08	3.51E-05	4.10E-05	2.01E-06	3.24E-08	6.50E-09	4.30E-05	3.61E-05	1.543E-06	3.146E-08	6.712E-09	3.772E-05
3765 493863.09, 3851877.25	0.02128	0.02179	0.01961	0.02024	0.01235	4.00E-05	1.912E-06	4.0173E-08	1.38E-08	4.20E-05	4.90E-05	2.34E-06	3.96E-08	7.72E-09	5.14E-05	4.32E-05	1.802E-06	3.85E-08	7.978E-09	4.505E-05
3766 494363.09, 3851877.25	0.02069	0.02105	0.01934	0.02001	0.01259	3.89E-05	1.847E-06	3.9716E-08	1.407E-08	4.08E-05	4.76E-05	2.26E-06	3.92E-08	7.87E-09	5.00E-05	4.20E-05	1.741E-06	3.806E-08	8.133E-09	4.38E-05
3767 494863.09, 3851877.25	0.0229	0.0233	0.0217	0.0225	0.01405	4.30E-05	2.044E-06	4.4658E-08	1.57E-08	4.51E-05	5.27E-05	2.50E-06	4.41E-08	8.79E-09	5.53E-05	4.65E-05	1.927E-06	4.28E-08	9.076E-09	4.847E-05
3768 495363.09, 3851877.25	0.02424	0.02485	0.02333	0.02399	0.01516	4.56E-05	2.18E-06	4.7616E-08	1.694E-08	4.78E-05	5.58E-05	2.67E-06	4.70E-08	9.48E-09	5.85E-05	4.92E-05	2.055E-06	4.564E-08	9.793E-09	5.133E-05
3769 495863.09, 3851877.25	0.02497	0.02593	0.02439	0.02493	0.01605	4.69E-05	2.275E-06	4.9481E-08	1.793E-08	4.93E-05	5.75E-05	2.79E-06	4.88E-08	1.00E-08	6.03E-05	5.07E-05	2.144E-06	4.742E-08	1.037E-08	5.29E-05
3770 496363.09, 3851877.25	0.02458	0.02554	0.02427	0.02472	0.0163	4.62E-05	2.241E-06	4.9065E-08	1.821E-08	4.85E-05	5.66E-05	2.75E-06	4.84E-08	1.02E-08	5.94E-05	4.99E-05	2.112E-06	4.702E-08	1.053E-08	5.208E-05
3771 496863.09, 3851877.25	0.02397	0.02468	0.02388	0.0243	0.0164	4.50E-05	2.165E-06	4.8231E-08	1.832E-08	4.73E-05	5.52E-05	2.65E-06	4.76E-08	1.03E-08	5.79E-05	4.87E-05	2.041E-06	4.622E-08	1.059E-08	5.077E-05
3772 497363.09, 3851877.25	0.02318	0.02366	0.02326	0.02367	0.01635	4.36E-05	2.076E-06	4.6981E-08	1.827E-08	4.57E-05	5.34E-05	2.54E-06	4.64E-08	1.02E-08	5.60E-05	4.71E-05	1.957E-06	4.503E-08	1.056E-08	4.908E-05
3773 497863.09, 3851877.25	0.02154	0.02191	0.02174	0.0221	0.01574	4.05E-05	1.922E-06	4.3864E-08	1.759E-08	4.25E-05	4.96E-05	2.36E-06	4.33E-08	9.84E-09	5.20E-05	4.37E-05	1.812E-06	4.204E-08	1.017E-08	4.56E-05
3774 498363.09, 3851877.25	0.02006	0.02045	0.02033	0.02063	0.01517	3.77E-05	1.794E-06	4.0947E-08	1.695E-08	3.95E-05	4.62E-05	2.20E-06	4.04E-08	9.49E-09	4.84E-05	4.07E-05	1.691E-06	3.924E-08	9.799E-09	4.247E-05
3775 471363.09, 3852377.25	0.00734	0.00812	0.00755	0.00741	0.005	1.38E-05	7.123E-07	1.4707E-08	5.587E-09	1.45E-05	1.69E-05	8.73E-07	1.45E-08	3.13E-09	1.78E-05	1.49E-05	6.715E-07	1.41E-08	3.23E-09	1.559E-05
3776 471863.09, 3852377.25	0.00836	0.00939	0.00852	0.00838	0.00562	1.57E-05	8.238E-07	1.6633E-08	6.279E-09	1.66E-05	1.93E-05	1.01E-06	1.64E-08	3.51E-09	2.03E-05	1.70E-05	7.765E-07	1.594E-08	3.63E-09	1.777E-05
3777 472363.09, 3852377.25	0.0091	0.0101	0.00919	0.00911	0.0061	1.71E-05	8.86E-07	1.8082E-08	6.816E-09	1.80E-05	2.10E-05	1.09E-06	1.78E-08	3.82E-09	2.21E-05	1.85E-05	8.353E-07	1.733E-08	3.94E-09	1.933E-05
3778 472863.09, 3852377.25	0.00975	0.0105	0.00975	0.00976	0.00657	1.83E-05	9.211E-07	1.9372E-08	7.341E-09	1.93E-05	2.25E-05	1.13E-06	1.91E-08	4.11E-09	2.36E-05	1.98E-05	8.683E-07	1.857E-08	4.244E-09	2.069E-05
3779 473363.09, 3852377.25	0.01019	0.01053	0.01011	0.01027	0.00683	1.91E-05	9.238E-07	2.0384E-08	7.631E-09	2.01E-05	2.35E-05	1.13E-06	2.01E-08	4.27E-09	2.46E-05	2.07E-05	8.708E-07	1.954E-08	4.412E-09	2.158E-05
3780 473863.09, 3852377.25	0.01045	0.01033	0.01033	0.01064	0.00694	1.96E-05	9.062E-07	2.1118E-08	7.754E-09	2.06E-05	2.41E-05	1.11E-06	2.08E-08	4.34E-09	2.52E-05	2.12E-05	8.543E-07	2.024E-08	4.483E-09	2.21E-05
3781 474363.09, 3852377.25	0.01084	0.01027	0.01065	0.0111	0.00712	2.04E-05	9.01E-07	2.2031E-08	7.955E-09	2.13E-05	2.50E-05	1.10E-06	2.17E-08	4.45E-09	2.61E-05	2.20E-05	8.493E-07	2.111E-08	4.599E-09	2.288E-05
3782 474863.09, 3852377.25	0.01313	0.01228	0.01255	0.01317	0.009	2.47E-05	1.077E-06	2.614E-08	1.006E-08	2.58E-05	3.02E-05	1.32E-06	2.58E-08	5.63E-09	3.16E-05	2.67E-05	1.016E-06	2.505E-08	5.814E-09	2.771E-05
3783 475363.09, 3852377.25	0.0137	0.0132	0.01299	0.01359	0.00915	2.57E-05	1.158E-06	2.6974E-08	1.022E-08	2.69E-05	3.15E-05	1.42E-06	2.66E-08	5.72E-09	3.30E-05	2.78E-05	1.092E-06	2.585E-08	5.911E-09	2.894E-05
3784 475863.09, 3852377.25	0.01423	0.0145	0.01337	0.01386	0.00911	2.67E-05	1.272E-06	2.751E-08	1.018E-08	2.81E-05	3.28E-05	1.56E-06	2.72E-08	5.70E-09	3.44E-05	2.89E-05	1.199E-06	2.637E-08	5.885E-09	3.012E-05
3785 476363.09, 3852377.25	0.01452	0.01542	0.01347	0.01385	0.0088	2.73E-05	1.353E-06	2.749E-08	9.832E-09	2.87E-05	3.34E-05	1.66E-06	2.71E-08	5.50E-09	3.51E-05	2.95E-05	1.275E-06	2.635E-08	5.685E-09	3.079E-05
3786 476863.09, 3852377.25	0.01539	0.01611	0.01395	0.01431	0.00914	2.89E-05	1.413E-06	2.8403E-08	1.021E-08	3.04E-05	3.54E-05	1.73E-06	2.80E-08	5.72E-09	3.72E-05	3.12E-05	1.332E-06	2.722E-08	5.904E-09	3.261E-05
3787 477363.09, 3852377.25	0.01599	0.01615	0.01442	0.01472	0.00952	3.00E-05	1.417E-06	2.9216E-08	1.064E-08	3.15E-05	3.68E-05	1.74E-06	2.88E-08	5.95E-09	3.86E-05	3.25E-05	1.336E-06	2.8E-08	6.15E-09	3.384E-05
3788 477863.09, 3852377.25	0.01499	0.01518	0.01413	0.01435	0.00892	2.82E-05	1.332E-06	2.8482E-08	9.966E-09	2.95E-05	3.45E-05	1.63E-06	2.81E-08	5.58E-09	3.62E-05	3.04E-05	1.255E-06	2.73E-08	5.762E-09	3.172E-05
3789 478363.09, 3852377.25	0.01474	0.01485	0.01437	0.01488	0.00868	2.77E-05	1.303E-06	2.9534E-08	9.698E-09	2.90E-05	3.39E-05	1.60E-06	2.91E-08	5.43E-09	3.56E-05	2.99E-05	1.228E-06	2.831E-08	5.607E-09	3.119E-05
3790 478863.09, 3852377.25	0.0194	0.01895	0.01854	0.01936	0.01134	3.65E-05	1.662E-06	3.8426E-08	1.267E-08	3.82E-05	4.47E-05	2.04E-06	3.79E-08	7.09E-09	4.68E-05	3.94E-05	1.567E-06	3.683E-08	7.325E-09	4.1E-05
3791 479363.09, 3852377.25	0.02331	0.02325	0.02165	0.02268	0.0134	4.38E-05	2.04E-06	4.5016E-08	1.497E-08	4.59E-05	5.37E-05	2.50E-06	4.44E-08	8.38E-09	5.62E-05	4.73E-05	1.923E-06	4.314E-08	8.656E-09	4.93E-05
3792 479863.09, 3852377.25	0.02824	0.02684	0.0241	0.02606	0.0175	5.31E-05	2.355E-06	5.1724E-08	1.955E-08	5.55E-05	6.50E-05	2.89E-06	5.10E-08	1.09E-08	6.80E-05	5.73E-05	2.22E-06	4.957E-08	1.13E-08	5.962E-05
3793 480363.09, 3852377.25	0.0309	0.02732	0.02416	0.02751	0.02014	5.81E-05	2.397E-06	5.4602E-08	2.25E-08	6.05E-05	7.12E-05	2.94E-06	5.39E-08	1.26E-08	7.42E-05	6.27E-05	2.259E-06	5.233E-08	1.301E-08	6.506E-05
3794 480863.09, 3852377.25	0.03213	0.02713	0.02391	0.0279	0.01964	6.04E-05	2.38E-06	5.5376E-08	2.194E-08	6.28E-05	7.40E-05	2.92E-06	5.47E-08	1.23E-08	7.70E-05	6.52E-05	2.244E-06	5.307E-08	1.269E-08	6.755E-05
3795 481363.09, 3852377.25	0.03637	0.03076	0.02634	0.02931	0.01952	6.83E-05	2.698E-06	5.8175E-08	2.181E-08	7.11E-05	8.38E-05	3.31E-06	5.74E-08	1.22E-08	8.71E-05	7.38E-05	2.544E-06	5.575E-08	1.261E-08	7.646E-05
3796 481863.09, 3852377.25	0.0428	0.03908	0.03396	0.03743	0.02829	8.04E-05	3.428E-06	7.4292E-08	3.161E-08	8.40E-05	9.86E-05	4.20E-06	7.33E-08	1.77E-08	1.03E-04	8.69E-05	3.232E-06	7.12E-08	1.827E-08	9.022E-05
3797 482363.09, 3852377.25	0.04505	0.03955	0.03664	0.04173	0.03075	8.47E-05	3.47E-06	8.2826E-08	3.436E-08	8.82E-05	1.04E-04	4.25E-06	8.17E-08	1.92E-08	1.08E-04	9.15E-05	3.271E-06	7.938E-08	1.986E-08	9.484E-05
3798 482863.09, 3852377.25	0.04057	0.03725	0.03269	0.03737	0.02106	7.62E-05	3.268E-06	7.4173E-08	2.353E-08	7.96E-05	9.34E-05	4.00E-06	7.32E-08	1.32E-08	9.75E-05	8.24E-05	3.081E-06	7.109E-08	1.36E-08	8.554E-05
3799 483363.09, 3852377.25	0.0297	0.02625	0.02566	0.02937	0.01282	5.58E-05	2.303E-06	5.8294E-08	1.432E-08	5.82E-05	6.84E-05	2.82E-06	5.75E-08	8.02E-09	7.13E-05	6.03E-05	2.171E-06	5.587E-08	8.281E-09	6.254E-05
3800 483863.09, 3852377.25	0.02427	0.02352	0.02098	0.02371	0.01021	4.56E-05	2.063E-06	4.706E-08	1.141E-08	4.77E-05	5.59E-05	2.53E-06	4.64E-08	6.39E-09	5.85E-05	4.93E-05	1.945E-06	4.51E-08	6.595E-09	5.127E-05
3801 484363.09, 3852377.25	0.02678	0.02377	0.02241	0.02623	0.01103	5.03E-05	2.085E-06	5.2062E-08	1.232E-08	5.25E-05	6.17E-05	2.56E-06	5.14E-08	6.90E-09	6.43E-05	5.44E-05	1.966E-06	4.99E-08	7.125E-09	5.64E-05
3802 484863.09, 3852377.25	0.02711	0.0215	0.02159	0.02529	0.01101	5.09E-05	1.886E-06	5.0196E-08	1.23E-08	5.29E-05	6.24E-05	2.31E-06	4.95E-08	6.89E-09	6.48E-05	5.50E-05	1.778E-06	4.811E-08	7.112E-09	5.688E-05
3803 485363.09, 3852377.25	0.02805	0.02234	0.02099	0.02523	0.01027	5.27E-05	1.96E-06	5.0077E-08	1.147E-08	5.47E-05	6.46E-05	2.40E-06	4.94E-08	6.42E-09	6.71E-05	5.70E-05	1.847E-06	4.799E-08	6.634E-09	5.885E-05
3804 485863.09, 3852377.25	0.02538	0.02072	0.01855	0.02161	0.00893	4.77E-05	1.818E-06	4.2892E-08	9.978E-09	4.96E-05	5.84E-05	2.23E-06	4.23E-08	5.59E-09	6.07E-05	5.15E-05	1.714E-06	4.111E-08	5.768E-09	5.329E-05
3805 486363.09, 3852377.25	0.02111	0.02022	0.01499	0.01628	0.00726	3.97E-05	1.774E-06	3.2313E-08	8.112E-09	4.15E-05	4.86E-05	2.17E-06	3.19E-08	4.54E-09	5.08E-05	4.29E-05	1.672E-06	3.097E-08	4.69E-09	4.457E-05
3806 486863.09, 3852377.25	0.01994	0.01806	0.01393	0.01495	0.00665	3.75E-05	1.584E-06	2.9673E-08	7.43E-09	3.91E-05	4.59E-05	1.94E-06	2.93E-08	4.16E-09	4.79E-05	4.05E-05	1.494E-06	2.844E-08	4.296E-09	4.201E-05
3807 487363.09, 3852377.25	0.01835	0.01657	0.0124	0.01309	0.00622	3.45E-05	1.454E-06	2.5981E-08	6.95E-09	3.60E-05	4.23E-05	1.78E-06	2.56E-08	3.89E-09	4.41E-05	3.73E-05	1.37E-06	2.49E-08	4.018E-09	3.866E-05
3808 487863.09, 3852377.25	0.01752	0.01615	0.01184	0.01199	0.0061	3.29E-05	1.417E-06	2.3798E-08	6.816E-09	3.44E-05	4.03E-05	1.74E-06	2.35E-08	3.82E-09	4.21E-05	3.56E-05	1.336E-06	2.281E-08	3.94E-09	3.693E-05
3809 488363.09, 3852377.25	0.01707	0.01783	0.01181	0.01157	0.00605	3.21E-05	1.564E-06	2.2964E-08	6.76E-09	3.37E-05	3.93E-05	1.92E-06	2.27E-08	3.78E-09	4.13E-05	3.47E-05	1.475E-06	2.201E-08	3.908E-09	3.616E-05
3810 488863.09, 3852377.25	0.01651	0.01859	0.01189	0.0115	0.00607	3.10E-05	1.631E-06	2.2825E-08	6.782E-09	3.27E-05	3.80E-05	2.00E-06	2.25E-08	3.80E-09	4.00E-05	3.35E-05	1.537E-06	2.188E-08	3.921E-09	3.508E-05
3811 489363.09, 3852377.25	0.01656	0.01853	0.0124	0.01201	0.00649	3.11E-05	1.626E-06	2.3838E-08	7.251E-09	3.28E-05	3.81E-05	1.99E-06	2.35E-08	4.06E-09	4.02E-05	3.36E-05	1.532E-06	2.285E-08	4.192E-09	3.518E-05
3812 489863.09, 3852377.25	0.01591	0.0182	0.01235	0.01207	0.00681	2.99E-05	1.597E-06	2.3957E-08	7.609E-09	3.15E-05	3.66E-05	1.96E-06	2.36E-08	4.26E-09	3.86E-05	3.23E-05	1.505E-06	2.296E-08	4.399E-09	3.384E-05
3813 490363.09, 3852377.25	0.01831	0.02098	0.01477	0.01456	0.00804	3.44E-05	1.841E-06	2.8899E-08	8.983E-09	3.63E-05	4.22E-05	2.26E-06	2.85E-08	5.03E-09	4.45E-05	3.72E-05	1.735E-06	2.77E-08	5.194E-09	3.894E-05
3814 490863.09, 3852377.25	0.02024	0.02317	0.01686	0.01684	0.00935	3.80E-05	2.033E-06	3.3424E-08	1.045E-08	4.01E-05	4.66E-05	2.49E-06	3.30E-08	5.85E-09	4.91E-05	4.11E-05	1.916E-06	3.203E-08	6.04E-09	4.305E-05
3815 491363.09, 3852377.25	0.02429	0.02733	0.02085	0.02103	0.01145	4.56E-05	2.398E-06	4.1741E-08	1.279E-08	4.81E-05	5.59E-05	2.94E-06	4.12E-08	7.16E-09	5.89E-05	4.93E-05	2.26E-06	4E-08	7.396E-09	5.163E-05
3816 491863.09, 3852377.25	0.02529	0.02753	0.02223	0.0225	0.01266	4.75E-05	2.415E-06	4.4658E-08	1.415E-08	5.00E-05	5.82E-05	2.96E-06	4.41E-08	7.92E-09	6.12E-05	5.13E-05	2.277E-06	4.28E-08	8.178E-09	5.368E-05
3817 492363.09, 3852377.25	0.02579	0.02752	0.02308	0.02366	0.01367	4.85E-05	2.414E-06	4.6961E-08	1.527E-08	5.09E-05	5.94E-05	2.96E-06	4.63E-08	8.55E-09	6.24E-05	5.24E-05	2.276E-06	4.501E-08	8.83E-09	5.469E-05
3818 492863.09, 3852377.25	0.02765	0.02899	0.02515	0.02601	0.0151	5.20E-05	2.543E-06	5.1625E-08	1.687E-08	5.46E-05	6.37E-05	3.12E-06	5.10E-08	9.44E-09	6.68E-05	5.61E-05	2.397E-06	4.948E-08	9.754E-09	5.86E-05
3819 493363.09, 3852377.25	0.03081	0.03163	0.02857	0.0297	0.01709	5.79E-05	2.775E-06	5.8949E-08	1.909E-08	6.08E-05	7.09E-05	3.40E-06	5.82E-08	1.07E-08	7.44E-05	6.26E-05	2.616E-06	5.65E-08	1.104E-08	6.524E-05
3820 493863.09, 3852377.25	0.03047	0.0311	0.02868	0.02986	0.01768	5.73E-05	2.728E-06	5.9267E-08	1.975E-08	6.01E-05	7.02E-05	3.34E-06	5.85E-08	1.11E-08	7.36E-05	6.19E-05	2.572E-06	5.68E-08	1.142E-08	6.451E-05
3821 494363.09, 3852377.25	0.03013	0.03084	0.02879	0.02983	0.01821	5.66E-05	2.705E-06	5.9207E-08	2.035E-08	5.94E-05	6.94E-05	3.32E-06	5.84E-08	1.14E-08	7.28E-05	6.12E-05	2.55E-06	5.674E-08	1.176E-08	6.379E-05
3822 494863.09, 3852377.25	0.03158	0.03267	0.03073	0.03169	0.01959	5.93E-05	2.866E-06	6.2899E-08	2.189E-08	6.23E-05	7.27E-05	3.51E-06	6.21E-08	1.23E-08	7.63E-05	6.41E-05	2.702E-06	6.028E-08	1.265E-08	6.689E-05
3823 495363.09, 3852377.25	0.03299	0.03422	0.0326	0.03345	0.02104	6.20E-05	3.002E-06	6.6392E-08	2.351E-08	6.51E-05	7.60E-05	3.68E-06	6.55E-08	1.32E-08	7.97E-05	6.70E-05	2.83E-06	6.363E-08	1.359E-08	6.989E-05
3824 495863.09, 3852377.25	0.03162	0.03231	0.0315	0.03229	0.02094	5.94E-05	2.834E-06	6.409E-08	2.34E-08	6.23E-05	7.28E-05	3.47E-06	6.33E-08	1.31E-08	7.64E-05	6.42E-05	2.672E-06	6.142E-08	1.353E-08	6.695E-05
3825 496363.09, 3852377.25	0.03013	0.03035	0.03023	0.03096	0.02064	5.66E-05	2.663E-06	6.145E-08	2.306E-08	5.94E-05	6.94E-05	3.26E-06	6.06E-08	1.29E-08	7.27E-05	6.12E-05	2.51E-06	5.889E-08	1.333E-08	6.376E-05
3826 496863.09, 3852377.25	0.0291	0.02922	0.02936	0.03004	0.02051	5.47E-05	2.563E-06	5.9624E-08	2.292E-08	5.73E-05	6.70E-05	3.14E-06	5.88E-08	1.28E-08	7.02E-05	5.91E-05	2.416E-06	5.714E-08	1.325E-08	6.157E-05
3827 497363.09, 3852377.25	0.02635	0.02661	0.02673	0.02735	0.01932	4.95E-05	2.334E-06	5.4285E-08	2.159E-08	5.19E-05	6.07E-05	2.86E-06	5.36E-08	1.21E-08	6.36E-05	5.35E-05	2.201E-06	5.203E-08	1.248E-08	5.577E-05
3828 497863.09, 3852377.25	0.02368	0.0241	0.02413	0.02459	0.01805	4.45E-05	2.114E-06	4.8807E-08	2.017E-08	4.67E-05	5.45E-05	2.59E-06	4.82E-08	1.13E-08	5.72E-05	4.81E-05	1.993E-06	4.678E-08	1.166E-08	5.013E-05
3829 498363.09, 3852377.25	0.0213	0.02185	0.02185	0.02213	0.01685	4.00E-05	1.917E-06	4.3924E-08	1.883E-08	4.20E-05	4.90E-05	2.35E-06	4.34E-08	1.05E-08	5.15E-05	4.32E-05	1.807E-06	4.21E-08	1.088E-08	4.511E-05
3830 471363.09, 3852877.25	0.0076	0.0074	0.00784	0.00788	0.00528	1.43E-05	6.492E-07	1.564E-08	5.899E-09	1.50E-05	1.75E-05	7.96E-07	1.54E-08	3.30E-09	1.83E-05	1.54E-05	6.12E-07	1.499E-08	3.411E-09	1.606E-05
3831 471863.09, 3852877.25	0.00842	0.00834	0.0087	0.00866	0.0058	1.58E-05	7.316E-07	1.7189E-08	6.48E-09	1.66E-05	1.94E-05	8.97E-07	1.70E-08	3.63E-09	2.03E-05	1.71E-05	6.897E-07	1.647E-08	3.747E-09	1.781E-05
3832 472363.09, 3852877.25	0.00926	0.00953	0.00954	0.00947	0.00634	1.74E-05	8.36E-07	1.8796E-08	7.084E-09	1.83E-05	2.13E-05	1.02E-06	1.86E-08	3.97E-09	2.24E-05	1.88E-05	7.881E-07	1.801E-08	4.095E-09	1.961E-05
3833 472863.09, 3852877.25	0.01004	0.01076	0.01031	0.01022	0.00684	1.89E-05	9.439E-07	2.0285E-08	7.642E-09	1.98E-05	2.31E-05	1.16E-06	2.00E-08	4.28E-09	2.43E-05	2.04E-05	8.898E-07	1.944E-08	4.418E-09	2.13E-05
3834 473363.09, 3852877.25	0.01093	0.01204	0.01114	0.01109	0.00734	2.05E-05	1.056E-06	2.2012E-08	8.201E-09	2.16E-05	2.52E-05	1.29E-06	2.17E-08	4.59E-09	2.65E-05	2.22E-05	9.957E-07	2.11E-08	4.741E-09	2.321E-05
3835 473863.09, 3852877.25	0.012	0.01335	0.01219	0.01213	0.00799	2.26E-05	1.171E-06	2.4076E-08	8.927E-09	2.38E-05	2.76E-05	1.44E-06	2.38E-08	5.00E-09	2.91E-05	2.44E-05	1.104E-06	2.307E-08	5.161E-09	2.55E-05
3836 474363.09, 3852877.25	0.01311	0.0144	0.01309	0.01317	0.00873	2.46E-05	1.263E-06	2.614E-08	9.754E-09	2.59E-05	3.02E-05	1.55E-06	2.58E-08	5.46E-09	3.18E-05	2.66E-05	1.191E-06	2.505E-08	5.639E-09	2.784E-05

3837 474863.09, 3852877.25	0.01286	0.01374	0.01276	0.01295	0.00814	2.42E-05	1.205E-06	2.5703E-08	9.095E-09	2.54E-05	2.96E-05	1.48E-06	2.54E-08	5.09E-09	3.11E-05	2.61E-05	1.136E-06	2.463E-08	5.258E-09	2.728E-05
3838 475363.09, 3852877.25	0.01412	0.01439	0.01373	0.01414	0.00895	2.65E-05	1.262E-06	2.8065E-08	1E-08	2.78E-05	3.25E-05	1.55E-06	2.77E-08	5.60E-09	3.41E-05	2.87E-05	1.19E-06	2.69E-08	5.781E-09	2.989E-05
3839 475863.09, 3852877.25	0.01475	0.0143	0.01415	0.01471	0.0092	2.77E-05	1.254E-06	2.9197E-08	1.028E-08	2.90E-05	3.40E-05	1.54E-06	2.88E-08	5.75E-09	3.55E-05	2.99E-05	1.183E-06	2.798E-08	5.943E-09	3.116E-05
3840 476363.09, 3852877.25	0.0144	0.01366	0.01383	0.01442	0.00869	2.71E-05	1.198E-06	2.8621E-08	9.709E-09	2.83E-05	3.32E-05	1.47E-06	2.82E-08	5.44E-09	3.47E-05	2.92E-05	1.13E-06	2.743E-08	5.613E-09	3.04E-05
3841 476863.09, 3852877.25	0.01316	0.01279	0.01273	0.01326	0.00774	2.47E-05	1.122E-06	2.6319E-08	8.648E-09	2.59E-05	3.03E-05	1.37E-06	2.60E-08	4.84E-09	3.17E-05	2.67E-05	1.058E-06	2.522E-08	5E-09	2.781E-05
3842 477363.09, 3852877.25	0.01227	0.01268	0.01184	0.01227	0.00713	2.31E-05	1.112E-06	2.4354E-08	7.966E-09	2.42E-05	2.83E-05	1.36E-06	2.40E-08	4.46E-09	2.96E-05	2.49E-05	1.049E-06	2.334E-08	4.606E-09	2.599E-05
3843 477863.09, 3852877.25	0.01121	0.01193	0.01066	0.01102	0.00655	2.11E-05	1.047E-06	2.1873E-08	7.318E-09	2.21E-05	2.58E-05	1.28E-06	2.16E-08	4.10E-09	2.71E-05	2.28E-05	9.866E-07	2.096E-08	4.231E-09	2.377E-05
3844 478363.09, 3852877.25	0.00875	0.00946	0.00837	0.00839	0.00567	1.64E-05	8.299E-07	1.6653E-08	6.335E-09	1.73E-05	2.01E-05	1.02E-06	1.64E-08	3.55E-09	2.12E-05	1.78E-05	7.823E-07	1.596E-08	3.663E-09	1.857E-05
3845 478863.09, 3852877.25	0.01074	0.01129	0.01025	0.01031	0.0066	2.02E-05	9.904E-07	2.0463E-08	7.374E-09	2.12E-05	2.47E-05	1.21E-06	2.02E-08	4.13E-09	2.60E-05	2.18E-05	9.337E-07	1.961E-08	4.263E-09	2.276E-05
3846 479363.09, 3852877.25	0.01554	0.01544	0.01493	0.01551	0.00867	2.92E-05	1.355E-06	3.0784E-08	9.687E-09	3.06E-05	3.58E-05	1.66E-06	3.04E-08	5.42E-09	3.75E-05	3.16E-05	1.277E-06	2.95E-08	5.601E-09	3.286E-05
3847 479863.09, 3852877.25	0.02732	0.02647	0.02505	0.02624	0.01515	5.13E-05	2.322E-06	5.2082E-08	1.693E-08	5.37E-05	6.29E-05	2.85E-06	5.14E-08	9.48E-09	6.58E-05	5.55E-05	2.189E-06	4.992E-08	9.786E-09	5.772E-05
3848 480363.09, 3852877.25	0.03636	0.03349	0.02975	0.03249	0.02282	6.83E-05	2.938E-06	6.4487E-08	2.55E-08	7.14E-05	8.37E-05	3.60E-06	6.36E-08	1.43E-08	8.74E-05	7.38E-05	2.77E-06	6.18E-08	1.474E-08	7.667E-05
3849 480863.09, 3852877.25	0.0406	0.03657	0.03135	0.03488	0.02424	7.63E-05	3.208E-06	6.923E-08	2.708E-08	7.96E-05	9.35E-05	3.93E-06	6.83E-08	1.52E-08	9.75E-05	8.24E-05	3.024E-06	6.635E-08	1.566E-08	8.554E-05
3850 481363.09, 3852877.25	0.04312	0.03608	0.03069	0.03528	0.0252	8.10E-05	3.165E-06	7.0024E-08	2.816E-08	8.43E-05	9.93E-05	3.88E-06	6.91E-08	1.58E-08	1.03E-04	8.75E-05	2.984E-06	6.711E-08	1.628E-08	9.062E-05
3851 481863.09, 3852877.25	0.04957	0.03984	0.03301	0.03667	0.02458	9.32E-05	3.495E-06	7.2783E-08	2.746E-08	9.67E-05	1.14E-04	4.28E-06	7.18E-08	1.54E-08	1.19E-04	1.01E-04	3.295E-06	6.976E-08	1.588E-08	0.000104
3852 482363.09, 3852877.25	0.05834	0.05111	0.04288	0.04713	0.03488	1.10E-04	4.484E-06	9.3544E-08	3.897E-08	1.14E-04	1.34E-04	5.49E-06	9.23E-08	2.18E-08	1.40E-04	1.18E-04	4.227E-06	8.965E-08	2.253E-08	0.0001228
3853 482863.09, 3852877.25	0.06271	0.05179	0.04626	0.05282	0.03806	1.18E-04	4.543E-06	1.0484E-07	4.252E-08	1.23E-04	1.44E-04	5.57E-06	1.03E-07	2.38E-08	1.50E-04	1.27E-04	4.283E-06	1.005E-07	2.459E-08	0.0001317
3854 483363.09, 3852877.25	0.0537	0.04598	0.04102	0.04817	0.02484	1.01E-04	4.034E-06	9.5609E-08	2.775E-08	1.05E-04	1.24E-04	4.94E-06	9.44E-08	1.55E-08	1.29E-04	1.09E-04	3.802E-06	9.163E-08	1.605E-08	0.0001129
3855 483863.09, 3852877.25	0.03915	0.03682	0.03151	0.03571	0.01444	7.36E-05	3.23E-06	7.0878E-08	1.613E-08	7.69E-05	9.02E-05	3.96E-06	7.00E-08	9.03E-09	9.42E-05	7.95E-05	3.045E-06	6.793E-08	9.328E-09	8.261E-05
3856 484363.09, 3852877.25	0.04434	0.0356	0.03265	0.03898	0.01574	8.33E-05	3.123E-06	7.7368E-08	1.759E-08	8.65E-05	1.02E-04	3.83E-06	7.64E-08	9.84E-09	1.06E-04	9.00E-05	2.944E-06	7.415E-08	1.017E-08	9.306E-05
3857 484863.09, 3852877.25	0.04574	0.03461	0.03119	0.03692	0.01572	8.60E-05	3.036E-06	7.3279E-08	1.756E-08	8.91E-05	1.05E-04	3.72E-06	7.23E-08	9.83E-09	1.09E-04	9.29E-05	2.862E-06	7.023E-08	1.015E-08	9.581E-05
3858 485363.09, 3852877.25	0.03319	0.02292	0.02174	0.02551	0.01044	6.24E-05	2.011E-06	5.0633E-08	1.166E-08	6.44E-05	7.64E-05	2.46E-06	5.00E-08	6.53E-09	7.90E-05	6.74E-05	1.895E-06	4.853E-08	6.744E-09	6.934E-05
3859 485863.09, 3852877.25	0.02956	0.02323	0.01864	0.02067	0.00896	5.55E-05	2.038E-06	4.1026E-08	1.001E-08	5.76E-05	6.81E-05	2.50E-06	4.05E-08	5.60E-09	7.06E-05	6.00E-05	1.921E-06	3.932E-08	5.788E-09	6.198E-05
3860 486363.09, 3852877.25	0.02576	0.02246	0.01586	0.01694	0.00772	4.84E-05	1.97E-06	3.3623E-08	8.626E-09	5.04E-05	5.93E-05	2.41E-06	3.32E-08	4.83E-09	6.18E-05	5.23E-05	1.857E-06	3.222E-08	4.987E-09	5.42E-05
3861 486863.09, 3852877.25	0.02525	0.02175	0.01557	0.01599	0.00747	4.74E-05	1.908E-06	3.1737E-08	8.346E-09	4.94E-05	5.81E-05	2.34E-06	3.13E-08	4.67E-09	6.05E-05	5.13E-05	1.799E-06	3.042E-08	4.825E-09	5.31E-05
3862 487363.09, 3852877.25	0.02404	0.02363	0.01504	0.01462	0.00722	4.52E-05	2.073E-06	2.9018E-08	8.067E-09	4.73E-05	5.54E-05	2.54E-06	2.86E-08	4.52E-09	5.79E-05	4.88E-05	1.954E-06	2.781E-08	4.664E-09	5.08E-05
3863 487863.09, 3852877.25	0.02381	0.02583	0.01555	0.01512	0.0073	4.47E-05	2.266E-06	3.001E-08	8.156E-09	4.70E-05	5.48E-05	2.78E-06	2.96E-08	4.57E-09	5.76E-05	4.83E-05	2.136E-06	2.876E-08	4.716E-09	5.051E-05
3864 488363.09, 3852877.25	0.01869	0.0219	0.01296	0.01218	0.00661	3.51E-05	1.921E-06	2.4175E-08	7.385E-09	3.71E-05	4.30E-05	2.35E-06	2.39E-08	4.13E-09	4.54E-05	3.79E-05	1.811E-06	2.317E-08	4.27E-09	3.979E-05
3865 488863.09, 3852877.25	0.02132	0.02545	0.01564	0.01491	0.00783	4.01E-05	2.233E-06	2.9594E-08	8.749E-09	4.23E-05	4.91E-05	2.74E-06	2.92E-08	4.90E-09	5.19E-05	4.33E-05	2.105E-06	2.836E-08	5.058E-09	4.543E-05
3866 489363.09, 3852877.25	0.02276	0.02714	0.01751	0.01709	0.00904	4.28E-05	2.381E-06	3.392E-08	1.01E-08	4.52E-05	5.24E-05	2.92E-06	3.35E-08	5.65E-09	5.54E-05	4.62E-05	2.244E-06	3.251E-08	5.84E-09	4.849E-05
3867 489863.09, 3852877.25	0.02393	0.02799	0.01919	0.01911	0.01023	4.50E-05	2.455E-06	3.793E-08	1.143E-08	4.75E-05	5.51E-05	3.01E-06	3.74E-08	6.40E-09	5.82E-05	4.86E-05	2.315E-06	3.635E-08	6.608E-09	5.094E-05
3868 490363.09, 3852877.25	0.03097	0.03529	0.02566	0.02608	0.01337	5.82E-05	3.096E-06	5.1764E-08	1.494E-08	6.14E-05	7.13E-05	3.79E-06	5.11E-08	8.36E-09	7.52E-05	6.29E-05	2.918E-06	4.961E-08	8.637E-09	6.586E-05
3869 490863.09, 3852877.25	0.03436	0.03879	0.02952	0.0299	0.01565	6.46E-05	3.403E-06	5.9346E-08	1.749E-08	6.80E-05	7.91E-05	4.17E-06	5.86E-08	9.79E-09	8.34E-05	6.98E-05	3.208E-06	5.688E-08	1.011E-08	7.304E-05
3870 491363.09, 3852877.25	0.03714	0.04098	0.03282	0.03348	0.01784	6.98E-05	3.595E-06	6.6452E-08	1.993E-08	7.35E-05	8.55E-05	4.41E-06	6.56E-08	1.12E-08	9.00E-05	7.54E-05	3.389E-06	6.369E-08	1.152E-08	7.887E-05
3871 491863.09, 3852877.25	0.03805	0.04091	0.03437	0.03533	0.01932	7.15E-05	3.589E-06	7.0124E-08	2.159E-08	7.52E-05	8.76E-05	4.40E-06	6.92E-08	1.21E-08	9.21E-05	7.73E-05	3.383E-06	6.721E-08	1.248E-08	8.072E-05
3872 492363.09, 3852877.25	0.03929	0.04124	0.03615	0.03747	0.02086	7.38E-05	3.618E-06	7.4371E-08	2.331E-08	7.75E-05	9.05E-05	4.43E-06	7.34E-08	1.30E-08	9.50E-05	7.98E-05	3.41E-06	7.128E-08	1.347E-08	8.327E-05
3873 492863.09, 3852877.25	0.04219	0.04324	0.03962	0.04146	0.0231	7.93E-05	3.793E-06	8.229E-08	2.581E-08	8.32E-05	9.72E-05	4.65E-06	8.12E-08	1.44E-08	1.02E-04	8.57E-05	3.576E-06	7.887E-08	1.492E-08	8.933E-05
3874 493363.09, 3852877.25	0.04378	0.04443	0.04188	0.04386	0.02493	8.23E-05	3.898E-06	8.7054E-08	2.785E-08	8.63E-05	1.01E-04	4.78E-06	8.59E-08	1.56E-08	1.06E-04	8.89E-05	3.674E-06	8.343E-08	1.61E-08	9.266E-05
3875 493863.09, 3852877.25	0.04293	0.04363	0.0417	0.04342	0.0256	8.07E-05	3.828E-06	8.6181E-08	2.86E-08	8.46E-05	9.89E-05	4.69E-06	8.51E-08	1.60E-08	1.04E-04	8.72E-05	3.608E-06	8.26E-08	1.654E-08	9.087E-05
3876 494363.09, 3852877.25	0.04232	0.04316	0.04171	0.04318	0.02627	7.95E-05	3.786E-06	8.5704E-08	2.935E-08	8.34E-05	9.75E-05	4.64E-06	8.46E-08	1.64E-08	1.02E-04	8.59E-05	3.569E-06	8.214E-08	1.697E-08	8.959E-05
3877 494863.09, 3852877.25	0.04243	0.04291	0.04236	0.04363	0.02728	7.97E-05	3.764E-06	8.6597E-08	3.048E-08	8.36E-05	9.77E-05	4.61E-06	8.55E-08	1.71E-08	1.02E-04	8.61E-05	3.549E-06	8.3E-08	1.762E-08	8.98E-05
3878 495363.09, 3852877.25	0.03998	0.03997	0.04021	0.04135	0.02668	7.51E-05	3.506E-06	8.2072E-08	2.981E-08	7.87E-05	9.21E-05	4.30E-06	8.10E-08	1.67E-08	9.65E-05	8.12E-05	3.305E-06	7.866E-08	1.723E-08	8.458E-05
3879 495863.09, 3852877.25	0.03758	0.03763	0.03804	0.03904	0.02591	7.06E-05	3.301E-06	7.7487E-08	2.895E-08	7.40E-05	8.65E-05	4.05E-06	7.65E-08	1.62E-08	9.07E-05	7.63E-05	3.112E-06	7.426E-08	1.674E-08	7.95E-05
3880 496363.09, 3852877.25	0.03663	0.03701	0.03728	0.03821	0.02589	6.88E-05	3.247E-06	7.584E-08	2.893E-08	7.22E-05	8.44E-05	3.98E-06	7.49E-08	1.62E-08	8.84E-05	7.44E-05	3.061E-06	7.269E-08	1.672E-08	7.752E-05
3881 496863.09, 3852877.25	0.03476	0.03543	0.03562	0.03634	0.02518	6.53E-05	3.108E-06	7.2128E-08	2.813E-08	6.85E-05	8.00E-05	3.81E-06	7.12E-08	1.57E-08	8.39E-05	7.06E-05	2.93E-06	6.913E-08	1.627E-08	7.359E-05
3882 497363.09, 3852877.25	0.02978	0.03046	0.03065	0.03128	0.02255	5.60E-05	2.672E-06	6.2085E-08	2.52E-08	5.87E-05	6.86E-05	3.27E-06	6.13E-08	1.41E-08	7.19E-05	6.05E-05	2.519E-06	5.95E-08	1.457E-08	6.306E-05
3883 497863.09, 3852877.25	0.02263	0.0231	0.02338	0.02377	0.0185	4.25E-05	2.026E-06	4.7179E-08	2.067E-08	4.46E-05	5.21E-05	2.48E-06	4.66E-08	1.16E-08	5.47E-05	4.59E-05	1.91E-06	4.522E-08	1.195E-08	4.791E-05
3884 498363.09, 3852877.25	0.02119	0.0216	0.02199	0.02229	0.01776	3.98E-05	1.895E-06	4.4242E-08	1.984E-08	4.18E-05	4.88E-05	2.32E-06	4.37E-08	1.11E-08	5.12E-05	4.30E-05	1.786E-06	4.24E-08	1.147E-08	4.486E-05
3885 471363.09, 3853377.25	0.00794	0.0079	0.0083	0.00836	0.00555	1.49E-05	6.93E-07	1.6593E-08	6.201E-09	1.56E-05	1.83E-05	8.49E-07	1.64E-08	3.47E-09	1.92E-05	1.61E-05	6.533E-07	1.59E-08	3.585E-09	1.679E-05
3886 471863.09, 3853377.25	0.00866	0.00851	0.00897	0.00908	0.00596	1.63E-05	7.466E-07	1.8022E-08	6.659E-09	1.70E-05	1.99E-05	9.15E-07	1.78E-08	3.73E-09	2.09E-05	1.76E-05	7.038E-07	1.727E-08	3.85E-09	1.831E-05
3887 472363.09, 3853377.25	0.00938	0.0091	0.00964	0.00976	0.00639	1.76E-05	7.983E-07	1.9372E-08	7.14E-09	1.85E-05	2.16E-05	9.78E-07	1.91E-08	4.00E-09	2.26E-05	1.90E-05	7.526E-07	1.857E-08	4.128E-09	1.982E-05
3888 472863.09, 3853377.25	0.01016	0.00978	0.01037	0.01046	0.00692	1.91E-05	8.58E-07	2.0761E-08	7.732E-09	2.00E-05	2.34E-05	1.05E-06	2.05E-08	4.33E-09	2.45E-05	2.06E-05	8.088E-07	1.99E-08	4.47E-09	2.146E-05
3889 473363.09, 3853377.25	0.01083	0.0105	0.01104	0.01107	0.00734	2.04E-05	9.211E-07	2.1972E-08	8.201E-09	2.13E-05	2.49E-05	1.13E-06	2.17E-08	4.59E-09	2.61E-05	2.20E-05	8.683E-07	2.106E-08	4.741E-09	2.288E-05
3890 473863.09, 3853377.25	0.01163	0.01151	0.01184	0.01182	0.00783	2.19E-05	1.01E-06	2.3461E-08	8.749E-09	2.29E-05	2.68E-05	1.24E-06	2.32E-08	4.90E-09	2.80E-05	2.36E-05	9.519E-07	2.248E-08	5.058E-09	2.459E-05
3891 474363.09, 3853377.25	0.01245	0.01268	0.01268	0.01265	0.00828	2.34E-05	1.112E-06	2.5108E-08	9.251E-09	2.45E-05	2.87E-05	1.36E-06	2.48E-08	5.18E-09	3.01E-05	2.53E-05	1.049E-06	2.406E-08	5.349E-09	2.636E-05
3892 474863.09, 3853377.25	0.01266	0.01331	0.01295	0.01298	0.00821	2.38E-05	1.168E-06	2.5763E-08	9.173E-09	2.50E-05	2.92E-05	1.43E-06	2.54E-08	5.13E-09	3.06E-05	2.57E-05	1.101E-06	2.469E-08	5.303E-09	2.684E-05
3893 475363.09, 3853377.25	0.01313	0.01408	0.0134	0.01355	0.0083	2.47E-05	1.235E-06	2.6894E-08	9.274E-09	2.59E-05	3.02E-05	1.51E-06	2.65E-08	5.19E-09	3.18E-05	2.67E-05	1.164E-06	2.578E-08	5.362E-09	2.785E-05
3894 475863.09, 3853377.25	0.01353	0.01462	0.0137	0.01401	0.00831	2.54E-05	1.283E-06	2.7807E-08	9.285E-09	2.67E-05	3.12E-05	1.57E-06	2.74E-08	5.20E-09	3.28E-05	2.75E-05	1.209E-06	2.665E-08	5.368E-09	2.871E-05
3895 476363.09, 3853377.25	0.01292	0.0138	0.01296	0.01337	0.00773	2.43E-05	1.211E-06	2.6537E-08	8.637E-09	2.55E-05	2.98E-05	1.48E-06	2.62E-08	4.83E-09	3.13E-05	2.62E-05	1.141E-06	2.543E-08	4.993E-09	2.74E-05
3896 476863.09, 3853377.25	0.01115	0.01142	0.0111	0.01157	0.00686	2.10E-05	1.002E-06	2.2964E-08	7.665E-09	2.20E-05	2.57E-05	1.23E-06	2.27E-08	4.29E-09	2.69E-05	2.26E-05	9.444E-07	2.201E-08	4.431E-09	2.361E-05
3897 477363.09, 3853377.25	0.01094	0.01073	0.01073	0.01124	0.00678	2.06E-05	9.413E-07	2.2309E-08	7.575E-09	2.15E-05	2.52E-05	1.15E-06	2.20E-08	4.24E-09	2.64E-05	2.22E-05	8.874E-07	2.138E-08	4.38E-09	2.313E-05
3898 477863.09, 3853377.25	0.01119	0.01077	0.01087	0.01123	0.0069	2.10E-05	9.448E-07	2.2289E-08	7.709E-09	2.20E-05	2.58E-05	1.16E-06	2.20E-08	4.32E-09	2.70E-05	2.27E-05	8.907E-07	2.136E-08	4.457E-09	2.364E-05
3899 478363.09, 3853377.25	0.00948	0.00935	0.00925	0.00938	0.00624	1.78E-05	8.202E-07	1.8618E-08	6.972E-09	1.87E-05	2.18E-05	1.01E-06	1.84E-08	3.90E-09	2.29E-05	1.92E-05	7.732E-07	1.784E-08	4.031E-09	2.004E-05
3900 478863.09, 3853377.25	0.00732	0.0077	0.00719	0.00713	0.00537	1.38E-05	6.755E-07	1.4152E-08	6E-09	1.45E-05	1.69E-05	8.28E-07	1.40E-08	3.36E-09	1.77E-05	1.49E-05	6.368E-07	1.356E-08	3.469E-09	1.552E-05
3901 479363.09, 3853377.25	0.01313	0.01418	0.01235	0.01262	0.00767	2.47E-05	1.244E-06	2.5048E-08	8.57E-09	2.60E-05	3.02E-05	1.52E-06	2.47E-08	4.80E-09	3.18E-05	2.67E-05	1.173E-06	2.401E-08	4.955E-09	2.786E-05
3902 479863.09, 3853377.25	0.02166	0.02318	0.01967	0.02013	0.01068	4.07E-05	2.034E-06	3.9954E-08	1.193E-08	4.28E-05	4.99E-05	2.49E-06	3.94E-08	6.68E-09	5.24E-05	4.40E-05	1.917E-06	3.829E-08	6.899E-09	4.594E-05
3903 480363.09, 3853377.25	0.03572	0.03469	0.0306	0.03179	0.01849	6.71E-05	3.043E-06	6.3097E-08	2.066E-08	7.03E-05	8.23E-05	3.73E-06	6.23E-08	1.16E-08	8.61E-05	7.25E-05	2.869E-06	6.047E-08	1.194E-08	7.547E-05
3904 480863.09, 3853377.25	0.03894	0.03739	0.03385	0.03544	0.01877	7.32E-05	3.28E-06	7.0342E-08	2.097E-08	7.65E-05	8.97E-05	4.02E-06	6.94E-08	1.17E-08	9.38E-05	7.91E-05	3.092E-06	6.742E-08	1.212E-08	8.223E-05
3905 481363.09, 3853377.25	0.05533	0.04974	0.04142	0.04468	0.02777	1.04E-04	4.364E-06	8.8682E-08	3.103E-08	1.08E-04	1.27E-04	5.35E-06	8.75E-08	1.74E-08	1.33E-04	1.12E-04	4.113E-06	8.499E-08	1.794E-08	0.0001166
3906 481863.09, 3853377.25	0.06605	0.05172	0.04172	0.04674	0.03344	1.24E-04	4.537E-06	9.277E-08	3.736E-08	1.29E-04	1.52E-04	5.56E-06	9.16E-08	2.09E-08	1.58E-04	1.34E-04	4.277E-06	8.891E-08	2.16E-08	0.0001385
3907 482363.09, 3853377.25	0.08485	0.05616	0.0441	0.04862	0.03251	1.59E-04	4.927E-06	9.6502E-08	3.632E-08	1.65E-04	1.95E-04	6.04E-06	9.52E-08	2.03E-08	2.02E-04	1.72E-04	4.644E-06	9.249E-08	2.1E-08	0.000177
3908 482863.09, 3853377.25	0.10376	0.07286	0.05773	0.06293	0.04451	1.95E-04	6.392E-06	1.249E-07	4.973E-08	2.02E-04	2.39E-04	7.83E-06	1.23E-07	2.78E-08	2.47E-04	2.11E-04	6.025E-06	1.197E-07	2.875E-08	0.0002168
3909 483363.09, 3853377.25	0.10939	0.07506	0.06314	0.07183	0.04218	2.06E-04	6.585E-06	1.4257E-07	4.713E-08	2.12E-04	2.52E-04	8.07E-06	1.41E-07	2.64E-08	2.60E-04	2.22E-04	6.207E-06	1.366E-07	2.725E-08	0.0002285
3910 483863.09, 3853377.25	0.0994	0.06643	0.05434	0.06338	0.02881	1.87E-04	5.828E-06	1.258E-07	3.219E-08	1.93E-04	2.29E-04	7.14E-06	1.24E-07	1.80E-08	2.36E-04	2.02E-04	5.494E-06	1.206E-07	1.861E-08	0.0002075
3911 484363.09, 3853377.25	0.09371	0.05919	0.04986	0.06078	0.02469	1.76E-04	5.193E-06	1.2064E-07	2.759E-08	1.81E-04	2.16E-04	6.36E-06	1.19E-07	1.54E-08	2.22E-04	1.90E-04	4.895E-06	1.156E-07	1.595E-08	0.0001953
3912 484863.09, 3853377.25	0.07145	0.04634	0.03965	0.04698	0.01741	1.34E-04	4.065E-06	9.3247E-08	1.945E-08	1.38E-04	1.65E-04	4.98E-06	9.20E-08	1.09E-08	1.70E-04	1.45E-04	3.832E-06	8.937E-08	1.125E-08	0.000149
3913 485363.09, 3853377.25	0.04451	0.02869	0.02368	0.0264	0.01149	8.36E-05	2.517E-06	5.2399E-08	1.284E-08	8.62E-05	1.02E-04	3.08E-06	5.17E-08	7.19E-09	1.06E-04	9.04E-05	2.373E-06	5.022E-08	7.422E-09	9.28E-05
3914 485863.09, 3853377.25	0.03258	0.02466	0.01673	0.01731	0.00876	6.12E-05	2.163E-06	3.4357E-08	9.788E-09	6.34E-05	7.50E-05	2.65E-06	3.39E-08	5.48E-09	7.77E-05	6.61E-05	2.039E-06	3.293E-08	5.659E-09	6.823E-05
3915 486363.09, 3853377.25	0.0348	0.03022	0.01894	0.01853	0.00883	6.54E-05	2.651E-06	3.6779E-08	9.866E-09	6.81E-05	8.01E-05	3.25E-06	3.63E-08	5.52E-09	8.34E-05	7.07E-05	2.499E-06	3.525E-08	5.704E-09	7.32E-05
3916 486863.09, 3853377.25	0.03685	0.03834	0.02157	0.02006	0.00919	6.92E-05	3.363E-06	3.9815E-08	1.027E-08	7.27E-05	8.49E-05	4.12E-06	3.93E-08	5.75E-09	8.90E-05	7.48E-05	3.171E-06	3.816E-08	5.936E-09	7.803E-05

3917 487363.09, 3853377.25	0.04125	0.04851	0.02611	0.02466	0.01018	7.75E-05	4.256E-06	4.8946E-08	1.137E-08	8.18E-05	9.50E-05	5.21E-06	4.83E-08	6.37E-09	1.00E-04	8.38E-05	4.012E-06	4.691E-08	6.576E-09	8.782E-05
3918 487863.09, 3853377.25	0.04454	0.0541	0.03041	0.02916	0.01174	8.37E-05	4.746E-06	5.7877E-08	1.312E-08	8.85E-05	1.03E-04	5.82E-06	5.71E-08	7.34E-09	1.08E-04	9.04E-05	4.474E-06	5.547E-08	7.584E-09	9.497E-05
3919 488363.09, 3853377.25	0.04861	0.06055	0.0355	0.0348	0.0141	9.13E-05	5.312E-06	6.9072E-08	1.575E-08	9.67E-05	1.12E-04	6.51E-06	6.82E-08	8.82E-09	1.19E-04	9.87E-05	5.007E-06	6.62E-08	9.108E-09	0.0001038
3920 488863.09, 3853377.25	0.04983	0.06032	0.03836	0.03851	0.01622	9.36E-05	5.292E-06	7.6435E-08	1.812E-08	9.90E-05	1.15E-04	6.48E-06	7.54E-08	1.01E-08	1.21E-04	1.01E-04	4.988E-06	7.326E-08	1.048E-08	0.0001062
3921 489363.09, 3853377.25	0.05043	0.05973	0.04059	0.04126	0.01847	9.48E-05	5.24E-06	8.1893E-08	2.064E-08	1.00E-04	1.16E-04	6.42E-06	8.08E-08	1.16E-08	1.23E-04	1.02E-04	4.94E-06	7.849E-08	1.193E-08	0.0001074
3922 489863.09, 3853377.25	0.04928	0.05729	0.04127	0.04229	0.0201	9.26E-05	5.026E-06	8.3938E-08	2.246E-08	9.77E-05	1.13E-04	6.16E-06	8.28E-08	1.26E-08	1.20E-04	1.00E-04	4.738E-06	8.045E-08	1.298E-08	0.0001049
3923 490363.09, 3853377.25	0.05256	0.0602	0.04574	0.0469	0.02305	9.88E-05	5.281E-06	9.3088E-08	2.575E-08	1.04E-04	1.21E-04	6.47E-06	9.19E-08	1.44E-08	1.28E-04	1.07E-04	4.978E-06	8.922E-08	1.489E-08	0.0001118
3924 490863.09, 3853377.25	0.05444	0.0603	0.04881	0.05067	0.0255	1.02E-04	5.29E-06	1.0057E-07	2.849E-08	1.08E-04	1.25E-04	6.48E-06	9.93E-08	1.59E-08	1.32E-04	1.11E-04	4.987E-06	9.639E-08	1.647E-08	0.0001156
3925 491363.09, 3853377.25	0.05594	0.05953	0.05138	0.05374	0.02786	1.05E-04	5.222E-06	1.0666E-07	3.113E-08	1.10E-04	1.29E-04	6.40E-06	1.05E-07	1.74E-08	1.35E-04	1.14E-04	4.923E-06	1.022E-07	1.8E-08	0.0001186
3926 491863.09, 3853377.25	0.05676	0.05824	0.05315	0.05573	0.02991	1.07E-04	5.109E-06	1.1061E-07	3.342E-08	1.12E-04	1.31E-04	6.26E-06	1.09E-07	1.87E-08	1.37E-04	1.15E-04	4.816E-06	1.06E-07	1.932E-08	0.0001202
3927 492363.09, 3853377.25	0.05895	0.05892	0.05631	0.05916	0.03248	1.11E-04	5.169E-06	1.1742E-07	3.629E-08	1.16E-04	1.36E-04	6.33E-06	1.16E-07	2.03E-08	1.42E-04	1.20E-04	4.873E-06	1.125E-07	2.098E-08	0.0001247
3928 492863.09, 3853377.25	0.06064	0.06056	0.05906	0.06207	0.03492	1.14E-04	5.313E-06	1.232E-07	3.902E-08	1.19E-04	1.40E-04	6.51E-06	1.22E-07	2.18E-08	1.46E-04	1.23E-04	5.008E-06	1.181E-07	2.256E-08	0.0001283
3929 493363.09, 3853377.25	0.05979	0.06044	0.05918	0.06167	0.03607	1.12E-04	5.302E-06	1.224E-07	4.03E-08	1.18E-04	1.38E-04	6.50E-06	1.21E-07	2.26E-08	1.44E-04	1.21E-04	4.998E-06	1.173E-07	2.33E-08	0.0001265
3930 493863.09, 3853377.25	0.05837	0.05898	0.05859	0.06072	0.03665	1.10E-04	5.174E-06	1.2052E-07	4.095E-08	1.15E-04	1.34E-04	6.34E-06	1.19E-07	2.29E-08	1.41E-04	1.19E-04	4.878E-06	1.155E-07	2.367E-08	0.0001235
3931 494363.09, 3853377.25	0.05529	0.05518	0.05602	0.05794	0.036	1.04E-04	4.841E-06	1.15E-07	4.022E-08	1.09E-04	1.27E-04	5.93E-06	1.13E-07	2.25E-08	1.33E-04	1.12E-04	4.563E-06	1.102E-07	2.325E-08	0.000117
3932 494863.09, 3853377.25	0.05158	0.05136	0.05261	0.05437	0.03477	9.69E-05	4.506E-06	1.0791E-07	3.885E-08	1.02E-04	1.19E-04	5.52E-06	1.07E-07	2.17E-08	1.24E-04	1.05E-04	4.247E-06	1.034E-07	2.246E-08	0.0001091
3933 495363.09, 3853377.25	0.04941	0.04945	0.05074	0.05232	0.03433	9.29E-05	4.338E-06	1.0385E-07	3.836E-08	9.73E-05	1.14E-04	5.32E-06	1.02E-07	2.15E-08	1.19E-04	1.00E-04	4.089E-06	9.953E-08	2.218E-08	0.0001045
3934 495863.09, 3853377.25	0.04637	0.04663	0.04786	0.04921	0.03313	8.71E-05	4.091E-06	9.7673E-08	3.702E-08	9.14E-05	1.07E-04	5.01E-06	9.64E-08	2.07E-08	1.12E-04	9.41E-05	3.856E-06	9.361E-08	2.14E-08	9.812E-05
3935 496363.09, 3853377.25	0.04243	0.04271	0.04397	0.04506	0.03118	7.97E-05	3.747E-06	8.9436E-08	3.484E-08	8.36E-05	9.77E-05	4.59E-06	8.83E-08	1.95E-08	1.02E-04	8.61E-05	3.532E-06	8.572E-08	2.014E-08	8.979E-05
3936 496863.09, 3853377.25	0.0371	0.03728	0.03855	0.03949	0.02829	6.97E-05	3.27E-06	7.838E-08	3.161E-08	7.31E-05	8.54E-05	4.01E-06	7.74E-08	1.77E-08	8.95E-05	7.53E-05	3.083E-06	7.512E-08	1.827E-08	7.85E-05
3937 497363.09, 3853377.25	0.03084	0.0308	0.0321	0.03278	0.02474	5.80E-05	2.702E-06	6.5062E-08	2.764E-08	6.07E-05	7.10E-05	3.31E-06	6.42E-08	1.55E-08	7.44E-05	6.26E-05	2.547E-06	6.236E-08	1.598E-08	6.524E-05
3938 497863.09, 3853377.25	0.02087	0.02078	0.02177	0.02213	0.01843	3.92E-05	1.823E-06	4.3924E-08	2.059E-08	4.11E-05	4.81E-05	2.23E-06	4.34E-08	1.15E-08	5.03E-05	4.24E-05	1.718E-06	4.21E-08	1.191E-08	4.415E-05
3939 498363.09, 3853377.25	0.01653	0.0165	0.01731	0.01743	0.01531	3.11E-05	1.447E-06	3.4595E-08	1.711E-08	3.26E-05	3.81E-05	1.77E-06	3.41E-08	9.58E-09	3.99E-05	3.36E-05	1.365E-06	3.316E-08	9.89E-09	3.497E-05
3940 471363.09, 3853877.25	0.00802	0.00841	0.00844	0.00833	0.00572	1.51E-05	7.378E-07	1.6534E-08	6.391E-09	1.58E-05	1.85E-05	9.04E-07	1.63E-08	3.58E-09	1.94E-05	1.63E-05	6.955E-07	1.585E-08	3.695E-09	1.7E-05
3941 471863.09, 3853877.25	0.00884	0.00914	0.00924	0.00922	0.00626	1.66E-05	8.018E-07	1.83E-08	6.994E-09	1.74E-05	2.04E-05	9.83E-07	1.81E-08	3.92E-09	2.14E-05	1.79E-05	7.559E-07	1.754E-08	4.044E-09	1.873E-05
3942 472363.09, 3853877.25	0.00941	0.00953	0.00979	0.00986	0.00656	1.77E-05	8.36E-07	1.957E-08	7.33E-09	1.85E-05	2.17E-05	1.02E-06	1.93E-08	4.10E-09	2.27E-05	1.91E-05	7.881E-07	1.876E-08	4.238E-09	1.992E-05
3943 472863.09, 3853877.25	0.01017	0.01009	0.0105	0.01065	0.007	1.91E-05	8.852E-07	2.1138E-08	7.821E-09	2.00E-05	2.34E-05	1.08E-06	2.09E-08	4.38E-09	2.45E-05	2.06E-05	8.344E-07	2.026E-08	4.522E-09	2.151E-05
3944 473363.09, 3853877.25	0.01073	0.01048	0.01103	0.01124	0.00725	2.02E-05	9.194E-07	2.2309E-08	8.101E-09	2.11E-05	2.47E-05	1.13E-06	2.20E-08	4.53E-09	2.59E-05	2.18E-05	8.667E-07	2.138E-08	4.683E-09	2.268E-05
3945 473863.09, 3853877.25	0.01136	0.01096	0.01162	0.01187	0.00755	2.13E-05	9.615E-07	2.356E-08	8.436E-09	2.23E-05	2.62E-05	1.18E-06	2.33E-08	4.72E-09	2.74E-05	2.31E-05	9.064E-07	2.258E-08	4.877E-09	2.4E-05
3946 474363.09, 3853877.25	0.0122	0.01172	0.01242	0.01267	0.00801	2.29E-05	1.028E-06	2.5148E-08	8.95E-09	2.40E-05	2.81E-05	1.26E-06	2.48E-08	5.01E-09	2.94E-05	2.48E-05	9.692E-07	2.41E-08	5.174E-09	2.577E-05
3947 474863.09, 3853877.25	0.01296	0.01254	0.01317	0.01335	0.00841	2.44E-05	1.1E-06	2.6497E-08	9.397E-09	2.55E-05	2.98E-05	1.35E-06	2.62E-08	5.26E-09	3.12E-05	2.63E-05	1.037E-06	2.54E-08	5.433E-09	2.738E-05
3948 475363.09, 3853877.25	0.01289	0.01276	0.01318	0.01324	0.00818	2.42E-05	1.119E-06	2.6279E-08	9.14E-09	2.54E-05	2.97E-05	1.37E-06	2.59E-08	5.12E-09	3.11E-05	2.62E-05	1.055E-06	2.519E-08	5.284E-09	2.726E-05
3949 475863.09, 3853877.25	0.01138	0.01159	0.01172	0.01171	0.00729	2.14E-05	1.017E-06	2.3242E-08	8.145E-09	2.24E-05	2.62E-05	1.25E-06	2.29E-08	4.56E-09	2.75E-05	2.31E-05	9.585E-07	2.228E-08	4.709E-09	2.409E-05
3950 476363.09, 3853877.25	0.00966	0.01008	0.01001	0.00995	0.00653	1.82E-05	8.843E-07	1.9749E-08	7.296E-09	1.91E-05	2.22E-05	1.08E-06	1.95E-08	4.08E-09	2.34E-05	1.96E-05	8.336E-07	1.893E-08	4.218E-09	2.047E-05
3951 476863.09, 3853877.25	0.00761	0.00808	0.00792	0.0079	0.00568	1.43E-05	7.088E-07	1.568E-08	6.346E-09	1.50E-05	1.75E-05	8.69E-07	1.55E-08	3.55E-09	1.84E-05	1.55E-05	6.682E-07	1.503E-08	3.669E-09	1.614E-05
3952 477363.09, 3853877.25	0.00846	0.00899	0.00873	0.00881	0.00609	1.59E-05	7.887E-07	1.7486E-08	6.804E-09	1.67E-05	1.95E-05	9.66E-07	1.73E-08	3.81E-09	2.05E-05	1.72E-05	7.435E-07	1.676E-08	3.934E-09	1.794E-05
3953 477863.09, 3853877.25	0.00996	0.01043	0.01011	0.01028	0.00672	1.87E-05	9.15E-07	2.0404E-08	7.508E-09	1.97E-05	2.29E-05	1.12E-06	2.01E-08	4.20E-09	2.41E-05	2.02E-05	8.625E-07	1.956E-08	4.341E-09	2.111E-05
3954 478363.09, 3853877.25	0.0107	0.01096	0.01067	0.01096	0.00701	2.01E-05	9.615E-07	2.1754E-08	7.832E-09	2.11E-05	2.46E-05	1.18E-06	2.15E-08	4.38E-09	2.58E-05	2.17E-05	9.064E-07	2.085E-08	4.528E-09	2.266E-05
3955 478863.09, 3853877.25	0.00754	0.00771	0.00754	0.00757	0.0057	1.42E-05	6.764E-07	1.5025E-08	6.369E-09	1.49E-05	1.74E-05	8.29E-07	1.48E-08	3.57E-09	1.82E-05	1.53E-05	6.376E-07	1.44E-08	3.682E-09	1.596E-05
3956 479363.09, 3853877.25	0.01063	0.01061	0.01027	0.01048	0.00705	2.00E-05	9.308E-07	2.0801E-08	7.877E-09	2.09E-05	2.45E-05	1.14E-06	2.05E-08	4.41E-09	2.56E-05	2.16E-05	8.774E-07	1.994E-08	4.554E-09	2.248E-05
3957 479863.09, 3853877.25	0.02148	0.02148	0.01962	0.02034	0.01085	4.04E-05	1.884E-06	4.0371E-08	1.212E-08	4.23E-05	4.95E-05	2.31E-06	3.98E-08	6.79E-09	5.18E-05	4.36E-05	1.776E-06	3.869E-08	7.009E-09	4.543E-05
3958 480363.09, 3853877.25	0.03271	0.03432	0.02888	0.02984	0.01488	6.15E-05	3.011E-06	5.9227E-08	1.663E-08	6.46E-05	7.53E-05	3.69E-06	5.85E-08	9.31E-09	7.91E-05	6.64E-05	2.838E-06	5.676E-08	9.612E-09	6.932E-05
3959 480863.09, 3853877.25	0.05097	0.05355	0.04132	0.04206	0.02381	9.58E-05	4.698E-06	8.3481E-08	2.66E-08	1.01E-04	1.17E-04	5.76E-06	8.24E-08	1.49E-08	1.23E-04	1.03E-04	4.429E-06	8.001E-08	1.538E-08	0.000108
3960 481363.09, 3853877.25	0.06708	0.06135	0.04849	0.05089	0.03146	1.26E-04	5.382E-06	1.0101E-07	3.515E-08	1.32E-04	1.54E-04	6.60E-06	9.97E-08	1.97E-08	1.61E-04	1.36E-04	5.074E-06	9.681E-08	2.032E-08	0.0001414
3961 481863.09, 3853877.25	0.08554	0.0653	0.0527	0.05665	0.04259	1.61E-04	5.729E-06	1.1244E-07	4.759E-08	1.67E-04	1.97E-04	7.02E-06	1.11E-07	2.66E-08	2.04E-04	1.74E-04	5.4E-06	1.078E-07	2.751E-08	0.0001792
3962 482363.09, 3853877.25	0.13093	0.07971	0.05996	0.06484	0.04672	2.46E-04	6.993E-06	1.287E-07	5.22E-08	2.53E-04	3.02E-04	8.57E-06	1.27E-07	2.92E-08	3.10E-04	2.66E-04	6.592E-06	1.233E-07	3.018E-08	0.0002726
3963 482863.09, 3853877.25	0.64347	0.09631	0.06809	0.07266	0.0445	1.21E-03	8.449E-06	1.4422E-07	4.972E-08	1.22E-03	1.48E-03	1.04E-05	1.42E-07	2.78E-08	1.49E-03	1.31E-03	7.965E-06	1.382E-07	2.875E-08	0.0013146
3964 483363.09, 3853877.25	0.38052	0.134	0.09327	0.09776	0.05051	7.15E-04	1.176E-05	1.9404E-07	5.644E-08	7.27E-04	8.76E-04	1.44E-05	1.92E-07	3.16E-08	8.91E-04	7.73E-04	1.108E-05	1.86E-07	3.263E-08	0.0007839
3965 483863.09, 3853877.25	0.2487	0.12207	0.09367	0.10612	0.05175	4.67E-04	1.071E-05	2.1063E-07	5.782E-08	4.78E-04	5.73E-04	1.31E-05	2.08E-07	3.24E-08	5.86E-04	5.05E-04	1.01E-05	2.019E-07	3.343E-08	0.0005153
3966 484363.09, 3853877.25	0.16715	0.09801	0.07452	0.08844	0.03058	3.14E-04	8.598E-06	1.7554E-07	3.417E-08	3.23E-04	3.85E-04	1.05E-05	1.73E-07	1.91E-08	3.96E-04	3.39E-04	8.105E-06	1.682E-07	1.975E-08	0.0003477
3967 484863.09, 3853877.25	0.10573	0.06209	0.04896	0.05633	0.02011	1.99E-04	5.447E-06	1.118E-07	2.247E-08	2.04E-04	2.43E-04	6.67E-06	1.10E-07	1.26E-08	2.50E-04	2.15E-04	5.135E-06	1.072E-07	1.299E-08	0.0002199
3968 485363.09, 3853877.25	0.06317	0.04602	0.02888	0.0289	0.01351	1.19E-04	4.037E-06	5.7361E-08	1.509E-08	1.23E-04	1.45E-04	4.95E-06	5.66E-08	8.45E-09	1.50E-04	1.28E-04	3.806E-06	5.498E-08	8.727E-09	0.0001321
3969 485863.09, 3853877.25	0.07226	0.06726	0.0365	0.03481	0.01351	1.36E-04	5.901E-06	6.9091E-08	1.509E-08	1.42E-04	1.66E-04	7.23E-06	6.82E-08	8.45E-09	1.74E-04	1.47E-04	5.562E-06	6.622E-08	8.727E-09	0.0001524
3970 486363.09, 3853877.25	0.07313	0.08772	0.04194	0.03794	0.01379	1.37E-04	7.695E-06	7.5304E-08	1.541E-08	1.45E-04	1.68E-04	9.43E-06	7.43E-08	8.62E-09	1.78E-04	1.48E-04	7.254E-06	7.217E-08	8.908E-09	0.0001558
3971 486863.09, 3853877.25	0.07155	0.095	0.04554	0.04155	0.01467	1.34E-04	8.334E-06	8.2469E-08	1.639E-08	1.43E-04	1.65E-04	1.02E-05	8.14E-08	9.18E-09	1.75E-04	1.45E-04	7.856E-06	7.904E-08	9.476E-09	0.0001532
3972 487363.09, 3853877.25	0.07688	0.10424	0.0534	0.05077	0.01794	1.44E-04	9.145E-06	1.0077E-07	2.004E-08	1.54E-04	1.77E-04	1.12E-05	9.95E-08	1.12E-08	1.88E-04	1.56E-04	8.621E-06	9.658E-08	1.159E-08	0.0001648
3973 487863.09, 3853877.25	0.08787	0.11577	0.0659	0.06498	0.02318	1.65E-04	1.016E-05	1.2897E-07	2.59E-08	1.75E-04	2.02E-04	1.24E-05	1.27E-07	1.45E-08	2.15E-04	1.78E-04	9.574E-06	1.236E-07	1.497E-08	0.0001881
3974 488363.09, 3853877.25	0.09097	0.11702	0.07263	0.07311	0.02777	1.71E-04	1.027E-05	1.4511E-07	3.103E-08	1.81E-04	2.09E-04	1.26E-05	1.43E-07	1.74E-08	2.22E-04	1.85E-04	9.677E-06	1.391E-07	1.794E-08	0.0001945
3975 488863.09, 3853877.25	0.09597	0.11765	0.08097	0.08282	0.03315	1.80E-04	1.032E-05	1.6438E-07	3.704E-08	1.91E-04	2.21E-04	1.26E-05	1.62E-07	2.07E-08	2.34E-04	1.95E-04	9.73E-06	1.575E-07	2.141E-08	0.0002048
3976 489363.09, 3853877.25	0.08939	0.10453	0.07791	0.08066	0.035	1.68E-04	9.17E-06	1.601E-07	3.911E-08	1.77E-04	2.06E-04	1.12E-05	1.58E-07	2.19E-08	2.17E-04	1.81E-04	8.644E-06	1.534E-07	2.261E-08	0.0001903
3977 489863.09, 3853877.25	0.08943	0.10121	0.08076	0.08397	0.03856	1.68E-04	8.879E-06	1.6666E-07	4.308E-08	1.77E-04	2.06E-04	1.09E-05	1.64E-07	2.41E-08	2.17E-04	1.82E-04	8.37E-06	1.597E-07	2.491E-08	0.0001901
3978 490363.09, 3853877.25	0.08632	0.09365	0.07995	0.08356	0.04058	1.62E-04	8.216E-06	1.6585E-07	4.534E-08	1.71E-04	1.99E-04	1.01E-05	1.64E-07	2.54E-08	2.09E-04	1.75E-04	7.745E-06	1.59E-07	2.621E-08	0.0001832
3979 490863.09, 3853877.25	0.08511	0.08835	0.08058	0.0847	0.04302	1.60E-04	7.751E-06	1.6811E-07	4.807E-08	1.68E-04	1.96E-04	9.50E-06	1.66E-07	2.69E-08	2.06E-04	1.73E-04	7.306E-06	1.611E-07	2.779E-08	0.0001803
3980 491363.09, 3853877.25	0.08419	0.08433	0.08118	0.08582	0.0452	1.58E-04	7.398E-06	1.7034E-07	5.05E-08	1.66E-04	1.94E-04	9.07E-06	1.68E-07	2.83E-08	2.03E-04	1.71E-04	6.974E-06	1.633E-07	2.92E-08	0.0001781
3981 491863.09, 3853877.25	0.08283	0.08136	0.08122	0.08604	0.04685	1.56E-04	7.137E-06	1.7077E-07	5.235E-08	1.63E-04	1.91E-04	8.75E-06	1.69E-07	2.93E-08	2.00E-04	1.68E-04	6.728E-06	1.637E-07	3.026E-08	0.0001751
3982 492363.09, 3853877.25	0.08375	0.08278	0.0837	0.08825	0.04995	1.57E-04	7.262E-06	1.7516E-07	5.581E-08	1.65E-04	1.93E-04	8.90E-06	1.73E-07	3.12E-08	2.02E-04	1.70E-04	6.846E-06	1.679E-07	3.227E-08	0.0001771
3983 492863.09, 3853877.25	0.08258	0.08193	0.08384	0.08776	0.05171	1.55E-04	7.187E-06	1.7419E-07	5.778E-08	1.63E-04	1.90E-04	8.81E-06	1.72E-07	3.23E-08	1.99E-04	1.68E-04	6.776E-06	1.669E-07	3.34E-08	0.0001746
3984 493363.09, 3853877.25	0.07896	0.07722	0.08108	0.08448	0.05145	1.48E-04	6.774E-06	1.6768E-07	5.749E-08	1.55E-04	1.82E-04	8.30E-06	1.65E-07	3.22E-08	1.90E-04	1.60E-04	6.386E-06	1.607E-07	3.324E-08	0.0001669
3985 493863.09, 3853877.25	0.07444	0.07238	0.07704	0.08002	0.05021	1.40E-04	6.35E-06	1.5882E-07	5.61E-08	1.46E-04	1.71E-04	7.78E-06	1.57E-07	3.14E-08	1.79E-04	1.51E-04	5.986E-06	1.522E-07	3.243E-08	0.0001573
3986 494363.09, 3853877.25	0.07069	0.06931	0.07361	0.07618	0.04918	1.33E-04	6.08E-06	1.512E-07	5.495E-08	1.39E-04	1.63E-04	7.45E-06	1.49E-07	3.08E-08	1.70E-04	1.44E-04	5.732E-06	1.449E-07	3.177E-08	0.0001494
3987 494863.09, 3853877.25	0.06567	0.06484	0.06881	0.07083	0.0468	1.23E-04	5.688E-06	1.4058E-07	5.229E-08	1.29E-04	1.51E-04	6.97E-06	1.39E-07	2.93E-08	1.58E-04	1.33E-04	5.362E-06	1.347E-07	3.023E-08	0.0001389
3988 495363.09, 3853877.25	0.05665	0.0561	0.05927	0.061	0.04136	1.06E-04	4.921E-06	1.2107E-07	4.621E-08	1.12E-04	1.30E-04	6.03E-06	1.19E-07	2.59E-08	1.37E-04	1.15E-04	4.639E-06	1.16E-07	2.672E-08	0.0001198
3989 495863.09, 3853877.25	0.04961	0.0492	0.05194	0.05327	0.03733	9.32E-05	4.316E-06	1.0573E-07	4.171E-08	9.77E-05	1.14E-04	5.29E-06	1.04E-07	2.33E-08	1.20E-04	1.01E-04	4.069E-06	1.013E-07	2.411E-08	0.0001049
3990 496363.09, 3853877.25	0.04502	0.04465	0.04725	0.04828	0.03476	8.46E-05	3.917E-06	9.5827E-08	3.884E-08	8.87E-05	1.04E-04	4.80E-06	9.46E-08	2.17E-08	1.09E-04	9.14E-05	3.692E-06	9.184E-08	2.245E-08	9.521E-05
3991 496863.09, 3853877.25	0.03781	0.03754	0.03969	0.0406	0.03047	7.11E-05	3.293E-06	8.0583E-08	3.404E-08	7.45E-05	8.71E-05	4.04E-06	7.95E-08	1.91E-08	9.12E-05	7.68E-05	3.105E-06	7.723E-08	1.968E-08	7.997E-05
3992 497363.09, 3853877.25	0.03217	0.03208	0.0338	0.03444	0.027	6.05E-05	2.814E-06	6.8357E-08	3.017E-08	6.34E-05	7.41E-05	3.45E-06	6.75E-08	1.69E-08	7.76E-05	6.53E-05	2.653E-06	6.551E-08	1.744E-08	6.805E-05
3993 497863.09, 3853877.25	0.02531	0.02531	0.02661	0.02698	0.02248	4.76E-05	2.22E-06	5.355E-08	2.512E-08	4.99E-05	5.83E-05	2.72E-06	5.29E-08	1.41E-08	6.11E-05	5.14E-05	2.093E-06	5.132E-08	1.452E-08	5.355E-05
3994 498363.09, 3853877.25	0.02149	0.02159	0.02264	0.02283	0.0197	4.04E-05	1.894E-06	4.5313E-08	2.201E-08	4.23E-05	4.95E-05	2.32E-06	4.47E-08	1.23E-08	5.19E-05	4.36E-05	1.785E-06	4.343E-08	1.273E-08	4.547E-05
3995 471363.09, 3854377.25	0.00822	0.00892	0.00849	0.00821	0.00578	1.54E-05	7.825E-07	1.6295E-08	6.458E-09	1.63E-05	1.89E-05	9.59E-07	1.61E-08	3.62E-09	1.99E-05	1.67E-05	7.377E-07	1.562E-08	3.734E-09	1.745E-05
3996 471863.09, 3854377.25	0.00901	0.00987	0.00931	0.009	0.00633	1.69E-05	8.659E-07	1.7863E-08	7.073E-09	1.78E-05	2.07E-05	1.06E-06	1.76E-08	3.96E-09	2.18E-05	1.83E-05	8.162E-07	1.712E-08	4.089E-09	1.913E-05

3997 472363.09, 3854377.25	0.00964	0.01062	0.00997	0.00968	0.00672	1.81E-05	9.317E-07	1.9213E-08	7.508E-09	1.91E-05	2.22E-05	1.14E-06	1.90E-08	4.20E-09	2.34E-05	1.96E-05	8.783E-07	1.841E-08	4.341E-09	2.047E-05
3998 472863.09, 3854377.25	0.01018	0.01121	0.01054	0.01029	0.007	1.91E-05	9.834E-07	2.0424E-08	7.821E-09	2.01E-05	2.34E-05	1.21E-06	2.02E-08	4.38E-09	2.47E-05	2.07E-05	9.271E-07	1.957E-08	4.522E-09	2.162E-05
3999 473363.09, 3854377.25	0.01092	0.0119	0.01128	0.01111	0.00742	2.05E-05	1.044E-06	2.2051E-08	8.29E-09	2.16E-05	2.51E-05	1.28E-06	2.18E-08	4.64E-09	2.65E-05	2.22E-05	9.841E-07	2.113E-08	4.793E-09	2.318E-05
4000 473863.09, 3854377.25	0.01184	0.01265	0.01217	0.0121	0.00795	2.22E-05	1.11E-06	2.4016E-08	8.883E-09	2.34E-05	2.73E-05	1.36E-06	2.37E-08	4.97E-09	2.87E-05	2.40E-05	1.046E-06	2.302E-08	5.135E-09	2.511E-05
4001 474363.09, 3854377.25	0.01278	0.01333	0.01312	0.01311	0.00845	2.40E-05	1.169E-06	2.6021E-08	9.441E-09	2.52E-05	2.94E-05	1.43E-06	2.57E-08	5.28E-09	3.09E-05	2.59E-05	1.102E-06	2.494E-08	5.458E-09	2.708E-05
4002 474863.09, 3854377.25	0.01272	0.0129	0.01297	0.01314	0.00811	2.39E-05	1.132E-06	2.608E-08	9.061E-09	2.51E-05	2.93E-05	1.39E-06	2.57E-08	5.07E-09	3.07E-05	2.58E-05	1.067E-06	2.5E-08	5.239E-09	2.692E-05
4003 475363.09, 3854377.25	0.01145	0.01135	0.01174	0.01198	0.00718	2.15E-05	9.957E-07	2.3778E-08	8.022E-09	2.25E-05	2.64E-05	1.22E-06	2.35E-08	4.49E-09	2.76E-05	2.32E-05	9.386E-07	2.279E-08	4.638E-09	2.421E-05
4004 475863.09, 3854377.25	0.00801	0.00793	0.00821	0.00837	0.00564	1.51E-05	6.957E-07	1.6613E-08	6.302E-09	1.58E-05	1.84E-05	8.52E-07	1.64E-08	3.53E-09	1.93E-05	1.63E-05	6.558E-07	1.592E-08	3.643E-09	1.694E-05
4005 476363.09, 3854377.25	0.00722	0.0072	0.00743	0.00748	0.00542	1.36E-05	6.316E-07	1.4846E-08	6.056E-09	1.42E-05	1.66E-05	7.74E-07	1.47E-08	3.39E-09	1.74E-05	1.47E-05	5.954E-07	1.423E-08	3.501E-09	1.527E-05
4006 476863.09, 3854377.25	0.00701	0.00708	0.00726	0.00722	0.00544	1.32E-05	6.211E-07	1.433E-08	6.078E-09	1.38E-05	1.61E-05	7.61E-07	1.41E-08	3.40E-09	1.69E-05	1.42E-05	5.855E-07	1.373E-08	3.514E-09	1.484E-05
4007 477363.09, 3854377.25	0.00702	0.00721	0.0073	0.0072	0.00554	1.32E-05	6.325E-07	1.4291E-08	6.19E-09	1.38E-05	1.62E-05	7.75E-07	1.41E-08	3.46E-09	1.70E-05	1.43E-05	5.963E-07	1.37E-08	3.579E-09	1.487E-05
4008 477863.09, 3854377.25	0.00726	0.00755	0.00754	0.00743	0.00576	1.36E-05	6.623E-07	1.4747E-08	6.436E-09	1.43E-05	1.67E-05	8.12E-07	1.46E-08	3.60E-09	1.75E-05	1.47E-05	6.244E-07	1.413E-08	3.721E-09	1.538E-05
4009 478363.09, 3854377.25	0.00869	0.00907	0.00899	0.00895	0.00657	1.63E-05	7.957E-07	1.7764E-08	7.341E-09	1.72E-05	2.00E-05	9.75E-07	1.75E-08	4.11E-09	2.10E-05	1.76E-05	7.501E-07	1.703E-08	4.244E-09	1.842E-05
4010 478863.09, 3854377.25	0.00967	0.01009	0.00992	0.00998	0.00708	1.82E-05	8.852E-07	1.9808E-08	7.911E-09	1.91E-05	2.23E-05	1.08E-06	1.96E-08	4.43E-09	2.34E-05	1.96E-05	8.344E-07	1.898E-08	4.573E-09	2.049E-05
4011 479363.09, 3854377.25	0.01576	0.01573	0.01563	0.01627	0.00956	2.96E-05	1.38E-06	3.2293E-08	1.068E-08	3.10E-05	3.63E-05	1.69E-06	3.19E-08	5.98E-09	3.80E-05	3.20E-05	1.301E-06	3.095E-08	6.175E-09	3.334E-05
4012 479863.09, 3854377.25	0.02153	0.02101	0.02078	0.02193	0.01153	4.05E-05	1.843E-06	4.3527E-08	1.288E-08	4.24E-05	4.96E-05	2.26E-06	4.30E-08	7.21E-09	5.19E-05	4.37E-05	1.738E-06	4.172E-08	7.448E-09	4.55E-05
4013 480363.09, 3854377.25	0.03206	0.03216	0.02983	0.0315	0.01496	6.02E-05	2.821E-06	6.2522E-08	1.672E-08	6.31E-05	7.38E-05	3.46E-06	6.17E-08	9.36E-09	7.74E-05	6.51E-05	2.66E-06	5.992E-08	9.664E-09	6.782E-05
4014 480863.09, 3854377.25	0.05108	0.05515	0.0451	0.04671	0.02202	9.60E-05	4.838E-06	9.2711E-08	2.46E-08	1.01E-04	1.18E-04	5.93E-06	9.15E-08	1.38E-08	1.24E-04	1.04E-04	4.561E-06	8.885E-08	1.422E-08	0.0001084
4015 481363.09, 3854377.25	0.07382	0.07955	0.05915	0.05969	0.0322	1.39E-04	6.979E-06	1.1847E-07	3.598E-08	1.46E-04	1.70E-04	8.55E-06	1.17E-07	2.01E-08	1.79E-04	1.50E-04	6.579E-06	1.135E-07	2.08E-08	0.0001566
4016 481863.09, 3854377.25	0.09937	0.09282	0.06662	0.06822	0.04978	1.87E-04	8.143E-06	1.354E-07	5.562E-08	1.95E-04	2.29E-04	9.98E-06	1.34E-07	3.11E-08	2.39E-04	2.02E-04	7.676E-06	1.298E-07	3.216E-08	0.0002096
4017 482363.09, 3854377.25	0.14131	0.11363	0.07835	0.07985	0.0574	2.66E-04	9.968E-06	1.5849E-07	6.413E-08	2.76E-04	3.25E-04	1.22E-05	1.56E-07	3.59E-08	3.38E-04	2.87E-04	9.397E-06	1.519E-07	3.708E-08	0.0002965
4018 482863.09, 3854377.25	0.29939	0.15254	0.10036	0.10085	0.06513	5.63E-04	1.338E-05	2.0017E-07	7.277E-08	5.76E-04	6.89E-04	1.64E-05	1.98E-07	4.07E-08	7.06E-04	6.08E-04	1.261E-05	1.918E-07	4.207E-08	0.0006207
4019 483363.09, 3854377.25	0.87788	0.23684	0.135	0.12891	0.06261	1.65E-03	2.078E-05	2.5586E-07	6.996E-08	1.67E-03	2.02E-03	2.55E-05	2.53E-07	3.92E-08	2.05E-03	1.78E-03	1.959E-05	2.452E-07	4.044E-08	0.0018023
4020 483863.09, 3854377.25	0.43699	0.30573	0.17069	0.17308	0.0499	8.21E-04	2.682E-05	3.4353E-07	5.575E-08	8.48E-04	1.01E-03	3.29E-05	3.39E-07	3.12E-08	1.04E-03	8.87E-04	2.528E-05	3.292E-07	3.223E-08	0.0009129
4021 484363.09, 3854377.25	0.26139	0.16231	0.10924	0.12456	0.03765	4.91E-04	1.424E-05	2.4723E-07	4.207E-08	5.06E-04	6.02E-04	1.74E-05	2.44E-07	2.35E-08	6.20E-04	5.31E-04	1.342E-05	2.369E-07	2.432E-08	0.0005444
4022 484863.09, 3854377.25	0.1631	0.13324	0.07101	0.06255	0.02493	3.06E-04	1.169E-05	1.2415E-07	2.785E-08	3.18E-04	3.76E-04	1.43E-05	1.23E-07	1.56E-08	3.90E-04	3.31E-04	1.102E-05	1.19E-07	1.61E-08	0.0003423
4023 485363.09, 3854377.25	0.21163	0.26082	0.10928	0.09107	0.02546	3.98E-04	2.288E-05	1.8076E-07	2.845E-08	4.21E-04	4.87E-04	2.80E-05	1.78E-07	1.59E-08	5.16E-04	4.30E-04	2.157E-05	1.732E-07	1.645E-08	0.0004514
4024 485863.09, 3854377.25	0.16721	0.25526	0.10013	0.0865	0.02278	3.14E-04	2.239E-05	1.7169E-07	2.545E-08	3.37E-04	3.85E-04	2.74E-05	1.69E-07	1.42E-08	4.13E-04	3.39E-04	2.111E-05	1.645E-07	1.472E-08	0.0003608
4025 486363.09, 3854377.25	0.17475	0.27442	0.11848	0.1105	0.02839	3.28E-04	2.407E-05	2.1932E-07	3.172E-08	3.53E-04	4.02E-04	2.95E-05	2.16E-07	1.78E-08	4.32E-04	3.55E-04	2.269E-05	2.102E-07	1.834E-08	0.0003777
4026 486863.09, 3854377.25	0.15757	0.24066	0.11711	0.11398	0.03426	2.96E-04	2.111E-05	2.2623E-07	3.828E-08	3.17E-04	3.63E-04	2.59E-05	2.23E-07	2.14E-08	3.89E-04	3.20E-04	1.99E-05	2.168E-07	2.213E-08	0.0003401
4027 487363.09, 3854377.25	0.15813	0.22522	0.12602	0.12733	0.04232	2.97E-04	1.976E-05	2.5273E-07	4.728E-08	3.17E-04	3.64E-04	2.42E-05	2.49E-07	2.65E-08	3.89E-04	3.21E-04	1.863E-05	2.422E-07	2.734E-08	0.00034
4028 487863.09, 3854377.25	0.16338	0.21551	0.13873	0.14323	0.05139	3.07E-04	1.891E-05	2.8429E-07	5.742E-08	3.26E-04	3.76E-04	2.32E-05	2.81E-07	3.21E-08	4.00E-04	3.32E-04	1.782E-05	2.725E-07	3.32E-08	0.0003499
4029 488363.09, 3854377.25	0.16085	0.1971	0.1436	0.1499	0.05858	3.02E-04	1.729E-05	2.9752E-07	6.545E-08	3.20E-04	3.70E-04	2.12E-05	2.94E-07	3.66E-08	3.92E-04	3.27E-04	1.63E-05	2.851E-07	3.784E-08	0.0003432
4030 488863.09, 3854377.25	0.15629	0.17855	0.1449	0.1525	0.06456	2.94E-04	1.566E-05	3.0268E-07	7.213E-08	3.10E-04	3.60E-04	1.92E-05	2.99E-07	4.04E-08	3.79E-04	3.17E-04	1.477E-05	2.901E-07	4.17E-08	0.0003324
4031 489363.09, 3854377.25	0.14952	0.16252	0.14265	0.15077	0.06846	2.81E-04	1.426E-05	2.9925E-07	7.649E-08	2.96E-04	3.44E-04	1.75E-05	2.95E-07	4.28E-08	3.62E-04	3.04E-04	1.344E-05	2.868E-07	4.422E-08	0.0003174
4032 489863.09, 3854377.25	0.1414	0.14644	0.13774	0.14609	0.07053	2.66E-04	1.285E-05	2.8996E-07	7.88E-08	2.79E-04	3.26E-04	1.57E-05	2.86E-07	4.41E-08	3.42E-04	2.87E-04	1.211E-05	2.779E-07	4.556E-08	0.0002995
4033 490363.09, 3854377.25	0.13243	0.13006	0.13097	0.13951	0.07083	2.49E-04	1.141E-05	2.769E-07	7.914E-08	2.61E-04	3.05E-04	1.40E-05	2.73E-07	4.43E-08	3.19E-04	2.69E-04	1.076E-05	2.654E-07	4.575E-08	0.00028
4034 490863.09, 3854377.25	0.10853	0.10302	0.10714	0.11569	0.06139	2.04E-04	9.038E-06	2.2962E-07	6.859E-08	2.13E-04	2.50E-04	1.11E-05	2.27E-07	3.84E-08	2.61E-04	2.20E-04	8.52E-06	2.201E-07	3.966E-08	0.0002291
4035 491363.09, 3854377.25	0.11386	0.10697	0.11503	0.1232	0.06771	2.14E-04	9.384E-06	2.4453E-07	7.565E-08	2.24E-04	2.62E-04	1.15E-05	2.41E-07	4.23E-08	2.74E-04	2.31E-04	8.846E-06	2.344E-07	4.374E-08	0.0002403
4036 491863.09, 3854377.25	0.11526	0.10986	0.11864	0.12586	0.07281	2.17E-04	9.638E-06	2.4981E-07	8.135E-08	2.27E-04	2.65E-04	1.18E-05	2.47E-07	4.55E-08	2.78E-04	2.34E-04	9.085E-06	2.394E-07	4.703E-08	0.0002434
4037 492363.09, 3854377.25	0.11213	0.10671	0.11704	0.12314	0.07469	2.11E-04	9.361E-06	2.4441E-07	8.345E-08	2.20E-04	2.58E-04	1.15E-05	2.41E-07	4.67E-08	2.70E-04	2.28E-04	8.825E-06	2.342E-07	4.825E-08	0.0002368
4038 492863.09, 3854377.25	0.1061	0.10081	0.11186	0.11691	0.07345	1.99E-04	8.844E-06	2.3204E-07	8.207E-08	2.09E-04	2.44E-04	1.08E-05	2.29E-07	4.59E-08	2.55E-04	2.15E-04	8.337E-06	2.224E-07	4.745E-08	0.000224
4039 493363.09, 3854377.25	0.09877	0.09508	0.10473	0.10893	0.07024	1.86E-04	8.341E-06	2.1621E-07	7.848E-08	1.94E-04	2.27E-04	1.02E-05	2.13E-07	4.39E-08	2.38E-04	2.01E-04	7.863E-06	2.072E-07	4.537E-08	0.0002087
4040 493863.09, 3854377.25	0.09153	0.08927	0.09749	0.10094	0.06651	1.72E-04	7.831E-06	2.0035E-07	7.431E-08	1.80E-04	2.11E-04	9.60E-06	1.98E-07	4.16E-08	2.21E-04	1.86E-04	7.383E-06	1.92E-07	4.296E-08	0.0001935
4041 494363.09, 3854377.25	0.08492	0.08338	0.09084	0.0935	0.06284	1.60E-04	7.315E-06	1.8558E-07	7.021E-08	1.67E-04	1.96E-04	8.96E-06	1.83E-07	3.93E-08	2.05E-04	1.72E-04	6.895E-06	1.779E-07	4.059E-08	0.0001795
4042 494863.09, 3854377.25	0.06962	0.06825	0.07409	0.07634	0.0521	1.31E-04	5.987E-06	1.5152E-07	5.821E-08	1.37E-04	1.60E-04	7.34E-06	1.50E-07	3.26E-08	1.68E-04	1.41E-04	5.644E-06	1.452E-07	3.365E-08	0.0001472
4043 495363.09, 3854377.25	0.05488	0.0539	0.05815	0.05983	0.04279	1.03E-04	4.728E-06	1.1875E-07	4.781E-08	1.08E-04	1.26E-04	5.79E-06	1.17E-07	2.68E-08	1.32E-04	1.11E-04	4.457E-06	1.138E-07	2.764E-08	0.000116
4044 495863.09, 3854377.25	0.0456	0.0451	0.0483	0.04968	0.03716	8.57E-05	3.956E-06	9.8606E-08	4.152E-08	8.98E-05	1.05E-04	4.85E-06	9.73E-08	2.32E-08	1.10E-04	9.26E-05	3.73E-06	9.45E-08	2.4E-08	9.643E-05
4045 496363.09, 3854377.25	0.04105	0.04093	0.04356	0.04457	0.03432	7.71E-05	3.591E-06	8.8463E-08	3.835E-08	8.09E-05	9.45E-05	4.40E-06	8.73E-08	2.15E-08	9.90E-05	8.33E-05	3.385E-06	8.478E-08	2.217E-08	8.684E-05
4046 496863.09, 3854377.25	0.03557	0.03568	0.03775	0.03846	0.03071	6.68E-05	3.13E-06	7.6336E-08	3.431E-08	7.01E-05	8.19E-05	3.84E-06	7.53E-08	1.92E-08	8.58E-05	7.22E-05	2.951E-06	7.316E-08	1.984E-08	7.526E-05
4047 497363.09, 3854377.25	0.02798	0.02827	0.02969	0.03007	0.02547	5.26E-05	2.48E-06	5.9683E-08	2.846E-08	5.51E-05	6.44E-05	3.04E-06	5.89E-08	1.59E-08	6.75E-05	5.68E-05	2.338E-06	5.72E-08	1.645E-08	5.922E-05
4048 497863.09, 3854377.25	0.0284	0.0289	0.0302	0.03045	0.0257	5.34E-05	2.535E-06	6.0438E-08	2.871E-08	5.60E-05	6.54E-05	3.11E-06	5.96E-08	1.61E-08	6.86E-05	5.77E-05	2.39E-06	5.792E-08	1.66E-08	6.013E-05
4049 498363.09, 3854377.25	0.02437	0.02496	0.02591	0.026	0.02267	4.58E-05	2.19E-06	5.1605E-08	2.533E-08	4.81E-05	5.61E-05	2.68E-06	5.09E-08	1.42E-08	5.89E-05	4.95E-05	2.064E-06	4.946E-08	1.464E-08	5.161E-05
4050 471363.09, 3854877.25	0.00842	0.00883	0.00862	0.00864	0.00584	1.58E-05	7.746E-07	1.7149E-08	6.525E-09	1.66E-05	1.94E-05	9.49E-07	1.69E-08	3.65E-09	2.04E-05	1.71E-05	7.302E-07	1.644E-08	3.772E-09	1.785E-05
4051 471863.09, 3854877.25	0.00907	0.0095	0.00928	0.00928	0.00629	1.70E-05	8.334E-07	1.8419E-08	7.028E-09	1.79E-05	2.09E-05	1.02E-06	1.82E-08	3.93E-09	2.19E-05	1.84E-05	7.856E-07	1.765E-08	4.063E-09	1.922E-05
4052 472363.09, 3854877.25	0.00968	0.01016	0.00992	0.00987	0.00668	1.82E-05	8.913E-07	1.959E-08	7.464E-09	1.91E-05	2.23E-05	1.09E-06	1.93E-08	4.18E-09	2.34E-05	1.97E-05	8.402E-07	1.878E-08	4.315E-09	2.052E-05
4053 472863.09, 3854877.25	0.01005	0.01064	0.01034	0.01025	0.00686	1.89E-05	9.334E-07	2.0344E-08	7.665E-09	1.98E-05	2.31E-05	1.14E-06	2.01E-08	4.29E-09	2.43E-05	2.04E-05	8.799E-07	1.95E-08	4.431E-09	2.131E-05
4054 473363.09, 3854877.25	0.01099	0.01176	0.01132	0.01117	0.00749	2.07E-05	1.032E-06	2.217E-08	8.369E-09	2.17E-05	2.53E-05	1.26E-06	2.19E-08	4.68E-09	2.66E-05	2.23E-05	9.725E-07	2.125E-08	4.838E-09	2.331E-05
4055 473863.09, 3854877.25	0.01192	0.01293	0.0123	0.0121	0.00808	2.24E-05	1.134E-06	2.4016E-08	9.028E-09	2.36E-05	2.74E-05	1.39E-06	2.37E-08	5.05E-09	2.89E-05	2.42E-05	1.069E-06	2.302E-08	5.219E-09	2.53E-05
4056 474363.09, 3854877.25	0.01312	0.01443	0.01356	0.01331	0.00888	2.47E-05	1.266E-06	2.6418E-08	9.922E-09	2.60E-05	3.02E-05	1.55E-06	2.61E-08	5.55E-09	3.18E-05	2.66E-05	1.193E-06	2.532E-08	5.736E-09	2.786E-05
4057 474863.09, 3854877.25	0.01174	0.01304	0.01227	0.01218	0.00753	2.21E-05	1.144E-06	2.4175E-08	8.413E-09	2.32E-05	2.70E-05	1.40E-06	2.39E-08	4.71E-09	2.85E-05	2.38E-05	1.078E-06	2.317E-08	4.864E-09	2.494E-05
4058 475363.09, 3854877.25	0.00948	0.01033	0.0099	0.00997	0.00625	1.78E-05	9.062E-07	1.9789E-08	6.983E-09	1.87E-05	2.18E-05	1.11E-06	1.95E-08	3.91E-09	2.30E-05	1.92E-05	8.543E-07	1.897E-08	4.037E-09	2.013E-05
4059 475863.09, 3854877.25	0.00714	0.0076	0.00744	0.0075	0.00525	1.34E-05	6.667E-07	1.4886E-08	5.866E-09	1.41E-05	1.64E-05	8.17E-07	1.47E-08	3.28E-09	1.73E-05	1.45E-05	6.285E-07	1.427E-08	3.391E-09	1.514E-05
4060 476363.09, 3854877.25	0.00457	0.00479	0.00483	0.00471	0.00408	8.59E-06	4.202E-07	9.3485E-09	4.559E-09	9.02E-06	1.05E-05	5.15E-07	9.23E-09	2.55E-09	1.11E-05	9.28E-06	3.961E-07	8.96E-09	2.636E-09	9.687E-06
4061 476863.09, 3854877.25	0.00457	0.00478	0.00484	0.0047	0.00413	8.59E-06	4.193E-07	9.3286E-09	4.615E-09	9.02E-06	1.05E-05	5.14E-07	9.21E-09	2.58E-09	1.10E-05	9.28E-06	3.953E-07	8.941E-09	2.668E-09	9.686E-06
4062 477363.09, 3854877.25	0.00565	0.00587	0.00592	0.00584	0.00484	1.06E-05	5.15E-07	1.1591E-08	5.408E-09	1.11E-05	1.30E-05	6.31E-07	1.14E-08	3.03E-09	1.37E-05	1.15E-05	4.854E-07	1.111E-08	3.126E-09	1.197E-05
4063 477863.09, 3854877.25	0.00675	0.00694	0.007	0.00699	0.0055	1.27E-05	6.088E-07	1.3874E-08	6.145E-09	1.33E-05	1.55E-05	7.46E-07	1.37E-08	3.44E-09	1.63E-05	1.37E-05	5.739E-07	1.33E-08	3.553E-09	1.43E-05
4064 478363.09, 3854877.25	0.00938	0.00961	0.00962	0.00973	0.00687	1.76E-05	8.431E-07	1.9312E-08	7.676E-09	1.85E-05	2.16E-05	1.03E-06	1.91E-08	4.30E-09	2.27E-05	1.90E-05	7.947E-07	1.851E-08	4.438E-09	1.986E-05
4065 478863.09, 3854877.25	0.01397	0.01441	0.01417	0.01428	0.00894	2.63E-05	1.264E-06	2.8343E-08	9.989E-09	2.76E-05	3.22E-05	1.55E-06	2.80E-08	5.59E-09	3.38E-05	2.84E-05	1.192E-06	2.716E-08	5.775E-09	2.959E-05
4066 479363.09, 3854877.25	0.02106	0.02202	0.02121	0.02158	0.01184	3.96E-05	1.932E-06	4.2832E-08	1.323E-08	4.16E-05	4.85E-05	2.37E-06	4.23E-08	7.41E-09	5.09E-05	4.28E-05	1.821E-06	4.105E-08	7.648E-09	4.463E-05
4067 479863.09, 3854877.25	0.03089	0.0326	0.03066	0.03181	0.0157	5.80E-05	2.86E-06	6.3137E-08	1.754E-08	6.10E-05	7.11E-05	3.50E-06	6.23E-08	9.82E-09	7.47E-05	6.27E-05	2.696E-06	6.051E-08	1.014E-08	6.549E-05
4068 480363.09, 3854877.25	0.04137	0.04313	0.03992	0.04187	0.01988	7.77E-05	3.784E-06	8.3104E-08	2.221E-08	8.16E-05	9.53E-05	4.64E-06	8.20E-08	1.24E-08	1.00E-04	8.40E-05	3.567E-06	7.965E-08	1.284E-08	8.766E-05
4069 480863.09, 3854877.25	0.05958	0.06059	0.0544	0.05655	0.02837	1.12E-04	5.315E-06	1.1224E-07	3.17E-08	1.17E-04	1.37E-04	6.51E-06	1.11E-07	1.77E-08	1.44E-04	1.21E-04	5.011E-06	1.076E-07	1.833E-08	0.0001261
4070 481363.09, 3854877.25	0.07741	0.07807	0.06686	0.0689	0.0359	1.45E-04	6.849E-06	1.3675E-07	4.011E-08	1.52E-04	1.78E-04	8.39E-06	1.35E-07	2.25E-08	1.87E-04	1.57E-04	6.456E-06	1.311E-07	2.319E-08	0.0001638
4071 481863.09, 3854877.25	0.09124	0.09671	0.07742	0.07931	0.03542	1.71E-04	8.484E-06	1.5742E-07	3.958E-08	1.80E-04	2.10E-04	1.04E-05	1.55E-07	2.22E-08	2.21E-04	1.85E-04	7.998E-06	1.509E-07	2.288E-08	0.0001934
4072 482363.09, 3854877.25	0.13426	0.13196	0.09706	0.09839	0.07353	2.52E-04	1.158E-05	1.9529E-07	8.216E-08	2.64E-04	3.09E-04	1.42E-05	1.93E-07	4.60E-08	3.24E-04	2.73E-04	1.091E-05	1.872E-07	4.75E-08	0.0002837
4073 482863.09, 3854877.25	0.20083	0.21023	0.1342	0.13018	0.08792	3.77E-04	1.844E-05	2.5838E-07	9.823E-08	3.96E-04	4.62E-04	2.26E-05	2.55E-07	5.50E-08	4.85E-04	4.08E-04	1.739E-05	2.476E-07	5.679E-08	0.0004255
4074 483363.09, 3854877.25	0.34053	0.40965	0.21169	0.18491	0.10648	6.40E-04	3.594E-05	3.6701E-07	1.19E-07	6.76E-04	7.84E-04	4.40E-05	3.62E-07	6.66E-08	8.29E-04	6.91E-04	3.388E-05	3.517E-07	6.878E-08	0.0007257
4075 483863.09, 3854877.25	1.09844	2.06703	0.78073	0.33169	0.09768	2.06E-03	0.0001813	6.5834E-07	1.091E-07	2.25E-03	2.53E-03	2.22E-04	6.50E-07	6.11E-08	2.75E-03	2.23E-03	0.0001709	6.31E-07	6.31E-08	0.0024019
4076 484363.09, 3854877.25	4.27488	8.11078	2.4476	0.80107	0.08561	8.03E-03	0.0007115	1.59E-06	9.565E-08	8.75E-03	9.84E-03	8.72E-04	1.57E-06	5.35E-08	1.07E-02	8.68E-03	0.0006708	1.524E-06	5.53E-08	0.009352

4077 484863.09, 3854877.25	1.74401	3.3743	0.95191	0.99361	0.07988	3.28E-03	0.000296	1.9721E-06	8.925E-08	3.58E-03	4.02E-03	3.63E-04	1.95E-06	5.00E-08	4.38E-03	3.54E-03	0.0002791	1.89E-06	5.16E-08	0.003822
4078 485363.09, 3854877.25	0.84769	1.71145	0.61037	0.65694	0.07364	1.59E-03	0.0001501	1.3039E-06	8.228E-08	1.74E-03	1.95E-03	1.84E-04	1.29E-06	4.61E-08	2.14E-03	1.72E-03	0.0001415	1.25E-06	4.757E-08	0.001864
4079 485863.09, 3854877.25	0.54809	0.96348	0.43845	0.47422	0.09217	1.03E-03	8.452E-05	9.4124E-07	1.03E-07	1.12E-03	1.26E-03	1.04E-04	9.29E-07	5.76E-08	1.37E-03	1.11E-03	7.968E-05	9.021E-07	5.954E-08	0.0011935
4080 486363.09, 3854877.25	0.40112	0.61371	0.34138	0.37101	0.1015	7.54E-04	5.384E-05	7.3639E-07	1.134E-07	8.08E-04	9.24E-04	6.60E-05	7.27E-07	6.35E-08	9.90E-04	8.14E-04	5.075E-05	7.058E-07	6.557E-08	0.0008659
4081 486863.09, 3854877.25	0.32291	0.44052	0.28872	0.31325	0.10517	6.07E-04	3.865E-05	6.2174E-07	1.175E-07	6.46E-04	7.44E-04	4.74E-05	6.14E-07	6.58E-08	7.92E-04	6.56E-04	3.643E-05	5.959E-07	6.794E-08	0.0006927
4082 487363.09, 3854877.25	0.29602	0.35888	0.27712	0.30077	0.11239	5.56E-04	3.148E-05	5.9697E-07	1.256E-07	5.88E-04	6.82E-04	3.86E-05	5.89E-07	7.03E-08	7.21E-04	6.01E-04	2.968E-05	5.721E-07	7.26E-08	0.0006314
4083 487863.09, 3854877.25	0.27354	0.30064	0.26497	0.28779	0.11746	5.14E-04	2.637E-05	5.7121E-07	1.312E-07	5.41E-04	6.30E-04	3.23E-05	5.64E-07	7.35E-08	6.63E-04	5.55E-04	2.486E-05	5.474E-07	7.588E-08	0.0005809
4084 488363.09, 3854877.25	0.25483	0.25613	0.25365	0.27546	0.12177	4.79E-04	2.247E-05	5.4674E-07	1.361E-07	5.02E-04	5.87E-04	2.75E-05	5.40E-07	7.62E-08	6.15E-04	5.17E-04	2.118E-05	5.24E-07	7.866E-08	0.0005392
4085 488863.09, 3854877.25	0.23955	0.22579	0.2432	0.26436	0.12693	4.50E-04	1.981E-05	5.2471E-07	1.418E-07	4.71E-04	5.52E-04	2.43E-05	5.18E-07	7.94E-08	5.77E-04	4.86E-04	1.867E-05	5.029E-07	8.199E-08	0.0005056
4086 489363.09, 3854877.25	0.2206	0.19981	0.22692	0.24656	0.12638	4.15E-04	1.753E-05	4.8938E-07	1.412E-07	4.33E-04	5.08E-04	2.15E-05	4.83E-07	7.90E-08	5.30E-04	4.48E-04	1.652E-05	4.69E-07	8.164E-08	0.000465
4087 489863.09, 3854877.25	0.19738	0.17063	0.20452	0.22262	0.11777	3.71E-04	1.497E-05	4.4186E-07	1.316E-07	3.86E-04	4.55E-04	1.83E-05	4.36E-07	7.37E-08	4.73E-04	4.01E-04	1.411E-05	4.235E-07	7.608E-08	0.0004154
4088 490363.09, 3854877.25	0.15014	0.12827	0.15421	0.16987	0.09148	2.82E-04	1.125E-05	3.3716E-07	1.022E-07	2.94E-04	3.46E-04	1.38E-05	3.33E-07	5.72E-08	3.60E-04	3.05E-04	1.061E-05	3.231E-07	5.909E-08	0.0003158
4089 490863.09, 3854877.25	0.1051	0.09096	0.10744	0.11872	0.07053	1.98E-04	7.98E-06	2.3564E-07	7.88E-08	2.06E-04	2.42E-04	9.78E-06	2.33E-07	4.41E-08	2.52E-04	2.13E-04	7.522E-06	2.258E-07	4.556E-08	0.0002212
4090 491363.09, 3854877.25	0.11038	0.09677	0.11453	0.12538	0.07457	2.07E-04	8.489E-06	2.4886E-07	8.332E-08	2.16E-04	2.54E-04	1.04E-05	2.46E-07	4.66E-08	2.65E-04	2.24E-04	8.003E-06	2.385E-07	4.817E-08	0.0002324
4091 491863.09, 3854877.25	0.14658	0.1306	0.15764	0.16758	0.10503	2.75E-04	1.146E-05	3.3262E-07	1.174E-07	2.87E-04	3.38E-04	1.40E-05	3.28E-07	6.57E-08	3.52E-04	2.98E-04	1.08E-05	3.188E-07	6.785E-08	0.0003088
4092 492363.09, 3854877.25	0.13948	0.12729	0.15129	0.15901	0.10563	2.62E-04	1.117E-05	3.1561E-07	1.18E-07	2.74E-04	3.21E-04	1.37E-05	3.11E-07	6.61E-08	3.35E-04	2.83E-04	1.053E-05	3.025E-07	6.823E-08	0.0002941
4093 492863.09, 3854877.25	0.12867	0.12007	0.14018	0.14627	0.09954	2.42E-04	1.053E-05	2.9032E-07	1.112E-07	2.53E-04	2.96E-04	1.29E-05	2.87E-07	6.23E-08	3.10E-04	2.61E-04	9.93E-06	2.782E-07	6.43E-08	0.0002715
4094 493363.09, 3854877.25	0.11724	0.11083	0.12816	0.13285	0.09126	2.20E-04	9.723E-06	2.6368E-07	1.02E-07	2.30E-04	2.70E-04	1.19E-05	2.60E-07	5.71E-08	2.82E-04	2.38E-04	9.166E-06	2.527E-07	5.895E-08	0.0002475
4095 493863.09, 3854877.25	0.10761	0.10277	0.11798	0.1215	0.08477	2.02E-04	9.016E-06	2.4116E-07	9.471E-08	2.12E-04	2.48E-04	1.10E-05	2.38E-07	5.30E-08	2.59E-04	2.18E-04	8.499E-06	2.311E-07	5.476E-08	0.0002273
4096 494363.09, 3854877.25	0.08402	0.08067	0.0914	0.09455	0.06559	1.58E-04	7.077E-06	1.8766E-07	7.328E-08	1.65E-04	1.93E-04	8.67E-06	1.85E-07	4.10E-08	2.02E-04	1.71E-04	6.671E-06	1.799E-07	4.237E-08	0.0001775
4097 494863.09, 3854877.25	0.06099	0.05935	0.06575	0.06799	0.05002	1.15E-04	5.207E-06	1.3495E-07	5.589E-08	1.20E-04	1.40E-04	6.38E-06	1.33E-07	3.13E-08	1.47E-04	1.24E-04	4.908E-06	1.293E-07	3.231E-08	0.0001289
4098 495363.09, 3854877.25	0.04796	0.0473	0.05158	0.05305	0.04141	9.01E-05	4.149E-06	1.0529E-07	4.627E-08	9.44E-05	1.10E-04	5.08E-06	1.04E-07	2.59E-08	1.16E-04	9.74E-05	3.912E-06	1.009E-07	2.675E-08	0.0001014
4099 495863.09, 3854877.25	0.04088	0.04074	0.04393	0.04493	0.03649	7.68E-05	3.574E-06	8.9178E-08	4.077E-08	8.05E-05	9.41E-05	4.38E-06	8.80E-08	2.28E-08	9.86E-05	8.30E-05	3.369E-06	8.547E-08	2.357E-08	8.648E-05
4100 496363.09, 3854877.25	0.03259	0.03286	0.03498	0.03554	0.03049	6.12E-05	2.883E-06	7.054E-08	3.407E-08	6.42E-05	7.50E-05	3.53E-06	6.96E-08	1.91E-08	7.87E-05	6.62E-05	2.717E-06	6.761E-08	1.97E-08	6.897E-05
4101 496863.09, 3854877.25	0.02778	0.02824	0.02981	0.03011	0.02661	5.22E-05	2.477E-06	5.9763E-08	2.973E-08	5.48E-05	6.40E-05	3.04E-06	5.90E-08	1.66E-08	6.71E-05	5.64E-05	2.335E-06	5.728E-08	1.719E-08	5.881E-05
4102 497363.09, 3854877.25	0.02603	0.0266	0.02793	0.02808	0.02511	4.89E-05	2.334E-06	5.5734E-08	2.806E-08	5.13E-05	5.99E-05	2.86E-06	5.50E-08	1.57E-08	6.29E-05	5.29E-05	2.2E-06	5.342E-08	1.622E-08	5.512E-05
4103 497863.09, 3854877.25	0.02795	0.02864	0.03004	0.02998	0.02651	5.25E-05	2.512E-06	5.9505E-08	2.962E-08	5.51E-05	6.44E-05	3.08E-06	5.87E-08	1.66E-08	6.75E-05	5.67E-05	2.368E-06	5.703E-08	1.712E-08	5.919E-05
4104 498363.09, 3854877.25	0.02674	0.02751	0.02875	0.02867	0.0255	5.02E-05	2.413E-06	5.6905E-08	2.849E-08	5.27E-05	6.16E-05	2.96E-06	5.62E-08	1.59E-08	6.46E-05	5.43E-05	2.275E-06	5.454E-08	1.647E-08	5.664E-05
4105 471363.09, 3855377.25	0.00846	0.008	0.00862	0.00869	0.00609	1.59E-05	7.018E-07	1.7248E-08	6.804E-09	1.66E-05	1.95E-05	8.60E-07	1.70E-08	3.81E-09	2.04E-05	1.72E-05	6.616E-07	1.653E-08	3.934E-09	1.786E-05
4106 471863.09, 3855377.25	0.0089	0.00844	0.00907	0.00914	0.00634	1.67E-05	7.404E-07	1.8141E-08	7.084E-09	1.75E-05	2.05E-05	9.07E-07	1.79E-08	3.97E-09	2.14E-05	1.81E-05	6.98E-07	1.739E-08	4.095E-09	1.879E-05
4107 472363.09, 3855377.25	0.00964	0.00913	0.00977	0.00987	0.00683	1.81E-05	8.009E-07	1.959E-08	7.631E-09	1.89E-05	2.22E-05	9.81E-07	1.93E-08	4.27E-09	2.32E-05	1.96E-05	7.55E-07	1.878E-08	4.412E-09	2.035E-05
4108 472863.09, 3855377.25	0.01014	0.00961	0.01027	0.01038	0.00708	1.91E-05	8.431E-07	2.0602E-08	7.911E-09	1.99E-05	2.34E-05	1.03E-06	2.03E-08	4.43E-09	2.44E-05	2.06E-05	7.947E-07	1.975E-08	4.573E-09	2.141E-05
4109 473363.09, 3855377.25	0.01115	0.01052	0.01124	0.01136	0.0078	2.10E-05	9.229E-07	2.2548E-08	8.715E-09	2.19E-05	2.57E-05	1.13E-06	2.23E-08	4.88E-09	2.68E-05	2.26E-05	8.7E-07	2.161E-08	5.039E-09	2.354E-05
4110 473863.09, 3855377.25	0.01209	0.01137	0.01215	0.01228	0.00843	2.27E-05	9.975E-07	2.4374E-08	9.419E-09	2.38E-05	2.78E-05	1.22E-06	2.41E-08	5.27E-09	2.91E-05	2.45E-05	9.403E-07	2.336E-08	5.446E-09	2.552E-05
4111 474363.09, 3855377.25	0.01304	0.01226	0.0131	0.01323	0.00901	2.45E-05	1.076E-06	2.6259E-08	1.007E-08	2.56E-05	3.00E-05	1.32E-06	2.59E-08	5.64E-09	3.14E-05	2.65E-05	1.014E-06	2.517E-08	5.82E-09	2.752E-05
4112 474863.09, 3855377.25	0.01185	0.01135	0.0121	0.01219	0.00776	2.23E-05	9.957E-07	2.4195E-08	8.67E-09	2.33E-05	2.73E-05	1.22E-06	2.39E-08	4.85E-09	2.85E-05	2.41E-05	9.386E-07	2.319E-08	5.013E-09	2.503E-05
4113 475363.09, 3855377.25	0.00604	0.00621	0.0063	0.00628	0.00461	1.14E-05	5.448E-07	1.2465E-08	5.151E-09	1.19E-05	1.39E-05	6.68E-07	1.23E-08	2.88E-09	1.46E-05	1.23E-05	5.136E-07	1.195E-08	2.978E-09	1.279E-05
4114 475863.09, 3855377.25	0.00453	0.00477	0.00476	0.00467	0.00392	8.51E-06	4.185E-07	9.2691E-09	4.38E-09	8.94E-06	1.04E-05	5.13E-07	9.15E-09	2.45E-09	1.10E-05	9.20E-06	3.945E-07	8.884E-09	2.532E-09	9.604E-06
4115 476363.09, 3855377.25	0.00543	0.00569	0.00567	0.00563	0.00448	1.02E-05	4.992E-07	1.1175E-08	5.006E-09	1.07E-05	1.25E-05	6.12E-07	1.10E-08	2.80E-09	1.31E-05	1.10E-05	4.706E-07	1.071E-08	2.894E-09	1.151E-05
4116 476863.09, 3855377.25	0.00534	0.0056	0.00561	0.00556	0.00453	1.00E-05	4.913E-07	1.1036E-08	5.061E-09	1.05E-05	1.23E-05	6.02E-07	1.09E-08	2.83E-09	1.29E-05	1.08E-05	4.631E-07	1.058E-08	2.926E-09	1.132E-05
4117 477363.09, 3855377.25	0.00604	0.00627	0.00631	0.0063	0.005	1.14E-05	5.5E-07	1.2504E-08	5.587E-09	1.19E-05	1.39E-05	6.74E-07	1.23E-08	3.13E-09	1.46E-05	1.23E-05	5.185E-07	1.198E-08	3.23E-09	1.28E-05
4118 477863.09, 3855377.25	0.00813	0.00843	0.00844	0.0084	0.00611	1.53E-05	7.395E-07	1.6672E-08	6.827E-09	1.60E-05	1.87E-05	9.06E-07	1.65E-08	3.82E-09	1.96E-05	1.65E-05	6.972E-07	1.598E-08	3.947E-09	1.722E-05
4119 478363.09, 3855377.25	0.01087	0.01116	0.01116	0.01124	0.00747	2.04E-05	9.79E-07	2.2309E-08	8.346E-09	2.14E-05	2.50E-05	1.20E-06	2.20E-08	4.67E-09	2.63E-05	2.21E-05	9.229E-07	2.138E-08	4.825E-09	2.302E-05
4120 478863.09, 3855377.25	0.01425	0.01443	0.01446	0.01473	0.00904	2.68E-05	1.266E-06	2.9236E-08	1.01E-08	2.81E-05	3.28E-05	1.55E-06	2.89E-08	5.65E-09	3.44E-05	2.89E-05	1.193E-06	2.802E-08	5.84E-09	3.016E-05
4121 479363.09, 3855377.25	0.02022	0.02015	0.02025	0.0208	0.0115	3.80E-05	1.768E-06	4.1284E-08	1.285E-08	3.98E-05	4.66E-05	2.17E-06	4.07E-08	7.19E-09	4.88E-05	4.11E-05	1.666E-06	3.957E-08	7.429E-09	4.277E-05
4122 479863.09, 3855377.25	0.0275	0.02717	0.02712	0.02798	0.01447	5.17E-05	2.384E-06	5.5535E-08	1.617E-08	5.41E-05	6.33E-05	2.92E-06	5.48E-08	9.05E-09	6.63E-05	5.58E-05	2.247E-06	5.323E-08	9.347E-09	5.814E-05
4123 480363.09, 3855377.25	0.04244	0.04338	0.04124	0.04237	0.02081	7.98E-05	3.806E-06	8.4097E-08	2.325E-08	8.37E-05	9.77E-05	4.66E-06	8.30E-08	1.30E-08	1.02E-04	8.62E-05	3.587E-06	8.06E-08	1.344E-08	8.985E-05
4124 480863.09, 3855377.25	0.06271	0.06533	0.05859	0.05968	0.03249	1.18E-04	5.731E-06	1.1845E-07	3.63E-08	1.24E-04	1.44E-04	7.02E-06	1.17E-07	2.03E-08	1.52E-04	1.27E-04	5.403E-06	1.135E-07	2.099E-08	0.0001329
4125 481363.09, 3855377.25	0.08393	0.08437	0.07421	0.07637	0.04944	1.58E-04	7.402E-06	1.5158E-07	5.524E-08	1.65E-04	1.93E-04	9.07E-06	1.50E-07	3.09E-08	2.03E-04	1.70E-04	6.977E-06	1.453E-07	3.194E-08	0.0001776
4126 481863.09, 3855377.25	0.10354	0.10275	0.0884	0.0916	0.06641	1.95E-04	9.014E-06	1.8181E-07	7.42E-08	2.04E-04	2.38E-04	1.10E-05	1.79E-07	4.15E-08	2.50E-04	2.10E-04	8.497E-06	1.742E-07	4.29E-08	0.0002189
4127 482363.09, 3855377.25	0.12504	0.12656	0.10445	0.10823	0.08526	2.35E-04	1.11E-05	2.1482E-07	9.526E-08	2.46E-04	2.88E-04	1.36E-05	2.12E-07	5.33E-08	3.02E-04	2.54E-04	1.047E-05	2.059E-07	5.508E-08	0.0002646
4128 482863.09, 3855377.25	0.16812	0.19129	0.14168	0.14222	0.10831	3.16E-04	1.678E-05	2.8228E-07	1.21E-07	3.33E-04	3.87E-04	2.06E-05	2.79E-07	6.77E-08	4.08E-04	3.41E-04	1.582E-05	2.705E-07	6.996E-08	0.0003575
4129 483363.09, 3855377.25	0.23822	0.32849	0.20955	0.20431	0.14761	4.48E-04	2.882E-05	4.0552E-07	1.649E-07	4.77E-04	5.49E-04	3.53E-05	4.00E-07	9.23E-08	5.84E-04	4.84E-04	2.717E-05	3.886E-07	9.535E-08	0.0005113
4130 483863.09, 3855377.25	0.3968	0.66112	0.37862	0.36605	0.21808	7.46E-04	5.8E-05	7.2654E-07	2.437E-07	8.05E-04	9.14E-04	7.11E-05	7.17E-07	1.36E-07	9.86E-04	8.06E-04	5.467E-05	6.963E-07	1.409E-07	0.0008612
4131 484363.09, 3855377.25	0.98105	1.41301	1.06148	1.06036	0.2487	1.84E-03	0.000124	2.1046E-06	2.779E-07	1.97E-03	2.26E-03	1.52E-04	2.08E-06	1.56E-07	2.41E-03	1.99E-03	0.0001169	2.017E-06	1.607E-07	0.0021109
4132 484863.09, 3855377.25	3.22513	1.78985	5.82264	9.84341	2.21567	6.06E-03	0.000157	1.9537E-05	2.476E-06	6.24E-03	7.43E-03	1.92E-04	1.93E-05	1.39E-06	7.64E-03	6.55E-03	0.000148	1.872E-05	1.431E-06	0.0067164
4133 485363.09, 3855377.25	2.56242	1.3312	2.33761	3.1662	1.12754	4.82E-03	0.0001168	6.2843E-06	1.26E-06	4.94E-03	5.90E-03	1.43E-04	6.20E-06	7.05E-07	6.05E-03	5.20E-03	0.0001101	6.023E-06	7.284E-07	0.0053195
4134 485863.09, 3855377.25	1.21738	0.90312	1.24528	1.5018	0.5669	2.29E-03	7.923E-05	2.9808E-06	6.334E-07	2.37E-03	2.80E-03	9.71E-05	2.94E-06	3.55E-07	2.90E-03	2.47E-03	7.469E-05	2.857E-06	3.662E-07	0.0025497
4135 486363.09, 3855377.25	0.76799	0.61622	0.79457	0.92481	0.37745	1.44E-03	5.406E-05	1.8356E-06	4.217E-07	1.50E-03	1.77E-03	6.62E-05	1.81E-06	2.36E-07	1.84E-03	1.56E-03	5.096E-05	1.759E-06	2.438E-07	0.0016123
4136 486863.09, 3855377.25	0.55046	0.44542	0.57209	0.65222	0.28735	1.03E-03	3.908E-05	1.2945E-06	3.211E-07	1.08E-03	1.27E-03	4.79E-05	1.28E-06	1.80E-07	1.32E-03	1.12E-03	3.684E-05	1.241E-06	1.856E-07	0.0011559
4137 487363.09, 3855377.25	0.4763	0.36072	0.50204	0.56678	0.26148	8.95E-04	3.164E-05	1.125E-06	2.922E-07	9.28E-04	1.10E-03	3.88E-05	1.11E-06	1.64E-07	1.14E-03	9.67E-04	2.983E-05	1.078E-06	1.689E-07	0.0009981
4138 487863.09, 3855377.25	0.41786	0.30312	0.44297	0.49908	0.24431	7.85E-04	2.659E-05	9.9058E-07	2.73E-07	8.13E-04	9.62E-04	3.26E-05	9.78E-07	1.53E-07	9.96E-04	8.48E-04	2.507E-05	9.494E-07	1.578E-07	0.0008746
4139 488363.09, 3855377.25	0.37127	0.261	0.39584	0.44487	0.23316	6.98E-04	2.29E-05	8.8298E-07	2.605E-07	7.22E-04	8.55E-04	2.81E-05	8.71E-07	1.46E-07	8.84E-04	7.54E-04	2.158E-05	8.463E-07	1.506E-07	0.0007764
4140 488863.09, 3855377.25	0.3315	0.23432	0.35521	0.39728	0.22387	6.23E-04	2.056E-05	7.8853E-07	2.501E-07	6.45E-04	7.63E-04	2.52E-05	7.78E-07	1.40E-07	7.89E-04	6.73E-04	1.938E-05	7.557E-07	1.446E-07	0.0006933
4141 489363.09, 3855377.25	0.2961	0.20709	0.31875	0.35485	0.21069	5.56E-04	1.817E-05	7.0431E-07	2.354E-07	5.76E-04	6.82E-04	2.23E-05	6.95E-07	1.32E-07	7.05E-04	6.01E-04	1.713E-05	6.75E-07	1.361E-07	0.0006191
4142 489863.09, 3855377.25	0.26242	0.19071	0.28393	0.31429	0.19104	4.93E-04	1.673E-05	6.2381E-07	2.135E-07	5.11E-04	6.04E-04	2.05E-05	6.16E-07	1.19E-07	6.26E-04	5.33E-04	1.577E-05	5.979E-07	1.234E-07	0.0005493
4143 490363.09, 3855377.25	0.23959	0.18696	0.2613	0.28555	0.18527	4.50E-04	1.64E-05	5.6676E-07	2.07E-07	4.67E-04	5.52E-04	2.01E-05	5.59E-07	1.16E-07	5.73E-04	4.86E-04	1.546E-05	5.432E-07	1.197E-07	0.0005026
4144 490863.09, 3855377.25	0.16359	0.13117	0.1766	0.19424	0.11643	3.07E-04	1.151E-05	3.8553E-07	1.301E-07	3.19E-04	3.77E-04	1.41E-05	3.81E-07	7.28E-08	3.91E-04	3.32E-04	1.085E-05	3.695E-07	7.521E-08	0.0003434
4145 491363.09, 3855377.25	0.13509	0.11326	0.14606	0.15861	0.10052	2.54E-04	9.936E-06	3.1481E-07	1.123E-07	2.64E-04	3.11E-04	1.22E-05	3.11E-07	6.29E-08	3.24E-04	2.74E-04	9.366E-06	3.017E-07	6.493E-08	0.000284
4146 491863.09, 3855377.25	0.17608	0.15666	0.19566	0.20591	0.14329	3.31E-04	1.374E-05	4.0869E-07	1.601E-07	3.45E-04	4.05E-04	1.68E-05	4.03E-07	8.96E-08	4.23E-04	3.58E-04	1.296E-05	3.917E-07	9.256E-08	0.0003709
4147 492363.09, 3855377.25	0.16346	0.1502	0.18243	0.18955	0.13879	3.07E-04	1.318E-05	3.7622E-07	1.551E-07	3.21E-04	3.76E-04	1.61E-05	3.71E-07	8.68E-08	3.93E-04	3.32E-04	1.242E-05	3.606E-07	8.965E-08	0.0003448
4148 492863.09, 3855377.25	0.14851	0.13983	0.16619	0.17099	0.12641	2.79E-04	1.227E-05	3.3938E-07	1.412E-07	2.92E-04	3.42E-04	1.50E-05	3.35E-07	7.91E-08	3.57E-04	3.02E-04	1.156E-05	3.253E-07	8.166E-08	0.0003135
4149 493363.09, 3855377.25	0.12972	0.1244	0.1452	0.14856	0.10775	2.44E-04	1.091E-05	2.9486E-07	1.204E-07	2.55E-04	2.99E-04	1.34E-05	2.91E-07	6.74E-08	3.12E-04	2.63E-04	1.029E-05	2.826E-07	6.96E-08	0.000274
4150 493863.09, 3855377.25	0.10137	0.09814	0.1126	0.11555	0.08286	1.90E-04	8.61E-06	2.2935E-07	9.258E-08	1.99E-04	2.33E-04	1.06E-05	2.26E-07	5.18E-08	2.44E-04	2.06E-04	8.116E-06	2.198E-07	5.352E-08	0.0002142
4151 494363.09, 3855377.25	0.07396	0.07222	0.08128	0.08347	0.06296	1.39E-04	6.336E-06	1.6567E-07	7.035E-08	1.46E-04	1.70E-04	7.76E-06	1.64E-07	3.94E-08	1.78E-04	1.50E-04	5.973E-06	1.588E-07	4.067E-08	0.0001563
4152 494863.09, 3855377.25	0.05306	0.05227	0.05792	0.05924	0.04822	9.97E-05	4.585E-06	1.1758E-07	5.388E-08	1.04E-04	1.22E-04	5.62E-06	1.16E-07	3.02E-08	1.28E-04	1.08E-04	4.323E-06	1.127E-07	3.115E-08	0.0001122
4153 495363.09, 3855377.25	0.04046	0.04017	0.04397	0.04472	0.03884	7.60E-05	3.524E-06	8.8761E-08	4.34E-08	7.97E-05	9.32E-05	4.32E-06	8.76E-08	2.43E-08	9.76E-05	8.21E-05	3.322E-06	8.507E-08	2.509E-08	8.558E-05
4154 495863.09, 3855377.25	0.03273	0.03275	0.03551	0.03574	0.03238	6.15E-05	2.873E-06	7.0937E-08	3.618E-08	6.45E-05	7.54E-05	3.52E-06	7.00E-08	2.03E-08	7.90E-05	6.65E-05	2.708E-06	6.799E-08	2.092E-08	6.925E-05
4155 496363.09, 3855377.25	0.03048	0.03073	0.03306	0.0332	0.03037	5.73E-05	2.696E-06	6.5896E-08	3.393E-08	6.01E-05	7.02E-05	3.30E-06	6.50E-08	1.90E-08	7.36E-05	6.19E-05	2.541E-06	6.315E-08	1.962E-08	6.451E-05
4156 496863.09, 3855377.25	0.02878	0.02919	0.03119	0.03106	0.02869	5.41E-05	2.561E-06	6.1648E-08	3.206E-08	5.67E-05	6.63E-05	3.14E-06	6.08E-08	1.79E-08	6.95E-05	5.84E-05	2.414E-06	5.908E-08	1.853E-08	6.093E-05

4157 497363.09, 3855377.25	0.0283	0.02888	0.03065	0.03052	0.02819	5.32E-05	2.534E-06	6.0577E-08	3.15E-08	5.58E-05	6.52E-05	3.10E-06	5.98E-08	1.76E-08	6.84E-05	5.75E-05	2.388E-06	5.806E-08	1.821E-08	5.992E-05
4158 497863.09, 3855377.25	0.02898	0.0297	0.03139	0.03104	0.0285	5.45E-05	2.605E-06	6.1609E-08	3.184E-08	5.72E-05	6.67E-05	3.19E-06	6.08E-08	1.78E-08	7.00E-05	5.88E-05	2.456E-06	5.905E-08	1.841E-08	6.137E-05
4159 498363.09, 3855377.25	0.03009	0.03098	0.03262	0.03226	0.0292	5.65E-05	2.718E-06	6.403E-08	3.263E-08	5.94E-05	6.93E-05	3.33E-06	6.32E-08	1.83E-08	7.27E-05	6.11E-05	2.562E-06	6.137E-08	1.886E-08	6.374E-05
4160 471363.09, 3855877.25	0.00866	0.00845	0.00864	0.00871	0.0061	1.63E-05	7.413E-07	1.7288E-08	6.816E-09	1.70E-05	1.99E-05	9.08E-07	1.71E-08	3.82E-09	2.09E-05	1.76E-05	6.988E-07	1.657E-08	3.94E-09	1.83E-05
4161 471863.09, 3855877.25	0.00913	0.00899	0.00911	0.00917	0.00636	1.72E-05	7.887E-07	1.8201E-08	7.106E-09	1.80E-05	2.10E-05	9.66E-07	1.80E-08	3.98E-09	2.20E-05	1.85E-05	7.435E-07	1.744E-08	4.108E-09	1.93E-05
4162 472363.09, 3855877.25	0.01001	0.00993	0.00995	0.00999	0.00698	1.88E-05	8.711E-07	1.9828E-08	7.799E-09	1.97E-05	2.31E-05	1.07E-06	1.96E-08	4.37E-09	2.41E-05	2.03E-05	8.212E-07	1.9E-08	4.509E-09	2.117E-05
4163 472863.09, 3855877.25	0.01041	0.01045	0.01037	0.0104	0.0071	1.96E-05	9.167E-07	2.0642E-08	7.933E-09	2.05E-05	2.40E-05	1.12E-06	2.04E-08	4.44E-09	2.51E-05	2.11E-05	8.642E-07	1.978E-08	4.586E-09	2.202E-05
4164 473363.09, 3855877.25	0.01159	0.01175	0.0115	0.01151	0.00796	2.18E-05	1.031E-06	2.2845E-08	8.894E-09	2.28E-05	2.67E-05	1.26E-06	2.25E-08	4.98E-09	2.80E-05	2.35E-05	9.717E-07	2.189E-08	5.142E-09	2.453E-05
4165 473863.09, 3855877.25	0.01261	0.01291	0.01248	0.01248	0.00861	2.37E-05	1.133E-06	2.477E-08	9.62E-09	2.49E-05	2.90E-05	1.39E-06	2.44E-08	5.39E-09	3.05E-05	2.56E-05	1.068E-06	2.374E-08	5.562E-09	2.67E-05
4166 474363.09, 3855877.25	0.01347	0.01396	0.01335	0.01335	0.00903	2.53E-05	1.225E-06	2.6497E-08	1.009E-08	2.66E-05	3.10E-05	1.50E-06	2.62E-08	5.65E-09	3.26E-05	2.73E-05	1.154E-06	2.54E-08	5.833E-09	2.853E-05
4167 474863.09, 3855877.25	0.01163	0.01215	0.01171	0.0118	0.00725	2.19E-05	1.066E-06	2.3421E-08	8.101E-09	2.30E-05	2.68E-05	1.31E-06	2.31E-08	4.53E-09	2.81E-05	2.36E-05	1.005E-06	2.245E-08	4.683E-09	2.465E-05
4168 475363.09, 3855877.25	0.00768	0.00776	0.00782	0.00798	0.00521	1.44E-05	6.808E-07	1.5839E-08	5.821E-09	1.51E-05	1.77E-05	8.34E-07	1.56E-08	3.26E-09	1.85E-05	1.56E-05	6.417E-07	1.518E-08	3.365E-09	1.625E-05
4169 475863.09, 3855877.25	0.00334	0.00329	0.0035	0.00344	0.0031	6.28E-06	2.886E-07	6.8278E-09	3.464E-09	6.58E-06	7.69E-06	3.54E-07	6.74E-09	1.94E-09	8.05E-06	6.78E-06	2.721E-07	6.544E-09	2.003E-09	7.062E-06
4170 476363.09, 3855877.25	0.00361	0.00357	0.00378	0.00371	0.00332	6.78E-06	3.132E-07	7.3637E-09	3.709E-09	7.11E-06	8.31E-06	3.84E-07	7.27E-09	2.08E-09	8.71E-06	7.33E-06	2.952E-07	7.057E-09	2.145E-09	7.634E-06
4171 476863.09, 3855877.25	0.00555	0.00549	0.00572	0.00576	0.00456	1.04E-05	4.816E-07	1.1433E-08	5.095E-09	1.09E-05	1.28E-05	5.90E-07	1.13E-08	2.85E-09	1.34E-05	1.13E-05	4.54E-07	1.096E-08	2.946E-09	1.174E-05
4172 477363.09, 3855877.25	0.00689	0.00689	0.00712	0.00721	0.00533	1.29E-05	6.044E-07	1.4311E-08	5.955E-09	1.36E-05	1.59E-05	7.41E-07	1.41E-08	3.33E-09	1.66E-05	1.40E-05	5.698E-07	1.372E-08	3.443E-09	1.458E-05
4173 477863.09, 3855877.25	0.00869	0.00873	0.00893	0.00898	0.00626	1.63E-05	7.659E-07	1.7824E-08	6.994E-09	1.71E-05	2.00E-05	9.38E-07	1.76E-08	3.92E-09	2.10E-05	1.76E-05	7.22E-07	1.708E-08	4.044E-09	1.839E-05
4174 478363.09, 3855877.25	0.01147	0.01155	0.01175	0.01206	0.0077	2.16E-05	1.013E-06	2.3937E-08	8.603E-09	2.26E-05	2.64E-05	1.24E-06	2.36E-08	4.82E-09	2.77E-05	2.33E-05	9.552E-07	2.294E-08	4.974E-09	2.427E-05
4175 478863.09, 3855877.25	0.01571	0.01592	0.01599	0.01626	0.00959	2.95E-05	1.397E-06	3.2273E-08	1.072E-08	3.10E-05	3.62E-05	1.71E-06	3.19E-08	6.00E-09	3.79E-05	3.19E-05	1.317E-06	3.093E-08	6.195E-09	3.325E-05
4176 479363.09, 3855877.25	0.02243	0.023	0.02265	0.0231	0.01239	4.22E-05	2.018E-06	4.5849E-08	1.384E-08	4.42E-05	5.17E-05	2.47E-06	4.53E-08	7.75E-09	5.42E-05	4.55E-05	1.902E-06	4.394E-08	8.004E-09	4.75E-05
4177 479863.09, 3855877.25	0.03063	0.03153	0.03057	0.03128	0.01578	5.76E-05	2.766E-06	6.2085E-08	1.763E-08	6.04E-05	7.05E-05	3.39E-06	6.13E-08	9.87E-09	7.40E-05	6.22E-05	2.607E-06	5.95E-08	1.019E-08	6.487E-05
4178 480363.09, 3855877.25	0.0434	0.04478	0.04239	0.04342	0.02157	8.16E-05	3.928E-06	8.6181E-08	2.41E-08	8.56E-05	9.99E-05	4.81E-06	8.51E-08	1.35E-08	1.05E-04	8.81E-05	3.703E-06	8.26E-08	1.393E-08	9.192E-05
4179 480863.09, 3855877.25	0.06086	0.06314	0.05781	0.05882	0.03141	1.14E-04	5.539E-06	1.1675E-07	3.509E-08	1.20E-04	1.40E-04	6.79E-06	1.15E-07	1.96E-08	1.47E-04	1.24E-04	5.222E-06	1.119E-07	2.029E-08	0.0001289
4180 481363.09, 3855877.25	0.07254	0.07744	0.06878	0.06994	0.03458	1.36E-04	6.794E-06	1.3882E-07	3.864E-08	1.43E-04	1.67E-04	8.32E-06	1.37E-07	2.16E-08	1.76E-04	1.47E-04	6.404E-06	1.33E-07	2.234E-08	0.0001538
4181 481863.09, 3855877.25	0.10035	0.11024	0.09262	0.09379	0.06808	1.89E-04	9.671E-06	1.8616E-07	7.607E-08	1.99E-04	2.31E-04	1.19E-05	1.84E-07	4.26E-08	2.43E-04	2.04E-04	9.117E-06	1.784E-07	4.398E-08	0.0002131
4182 482363.09, 3855877.25	0.11539	0.12806	0.10642	0.11002	0.09123	2.17E-04	1.123E-05	2.1837E-07	1.019E-07	2.28E-04	2.66E-04	1.38E-05	2.16E-07	5.71E-08	2.80E-04	2.34E-04	1.059E-05	2.093E-07	5.893E-08	0.0002451
4183 482863.09, 3855877.25	0.1462	0.15885	0.13722	0.14556	0.11703	2.75E-04	1.394E-05	2.8891E-07	1.308E-07	2.89E-04	3.37E-04	1.71E-05	2.85E-07	7.32E-08	3.54E-04	2.97E-04	1.314E-05	2.769E-07	7.56E-08	0.0003103
4184 483363.09, 3855877.25	0.19153	0.19825	0.1844	0.19679	0.16096	3.60E-04	1.739E-05	3.9059E-07	1.798E-07	3.78E-04	4.41E-04	2.13E-05	3.85E-07	1.01E-07	4.63E-04	3.89E-04	1.64E-05	3.743E-07	1.04E-07	0.0004058
4185 483863.09, 3855877.25	0.26561	0.27273	0.26528	0.28957	0.24247	4.99E-04	2.393E-05	5.7474E-07	2.709E-07	5.24E-04	6.12E-04	2.93E-05	5.67E-07	1.52E-07	6.42E-04	5.39E-04	2.255E-05	5.508E-07	1.566E-07	0.0005626
4186 484363.09, 3855877.25	0.41843	0.29727	0.42977	0.49705	0.39245	7.86E-04	2.608E-05	9.8655E-07	4.385E-07	8.14E-04	9.64E-04	3.20E-05	9.74E-07	2.45E-07	9.97E-04	8.50E-04	2.458E-05	9.455E-07	2.535E-07	0.0008754
4187 484863.09, 3855877.25	0.86302	0.35643	0.86673	1.06515	0.54586	1.62E-03	3.127E-05	2.1141E-06	6.099E-07	1.66E-03	1.99E-03	3.83E-05	2.09E-06	3.41E-07	2.03E-03	1.75E-03	2.948E-05	2.026E-06	3.526E-07	0.0017841
4188 485363.09, 3855877.25	3.73753	0.39765	4.47159	6.62834	2.56964	7.02E-03	3.488E-05	1.3156E-05	2.871E-06	7.07E-03	8.61E-03	4.27E-05	1.30E-05	1.61E-06	8.66E-03	7.59E-03	3.289E-05	1.261E-05	1.66E-06	0.0076358
4189 485863.09, 3855877.25	3.29332	0.43623	3.10911	4.1623	1.78802	6.19E-03	3.827E-05	8.2614E-06	1.998E-06	6.24E-03	7.58E-03	4.69E-05	8.15E-06	1.12E-06	7.64E-03	6.69E-03	3.608E-05	7.918E-06	1.155E-06	0.0067318
4190 486363.09, 3855877.25	1.32925	0.38117	1.47469	1.76277	0.83751	2.50E-03	3.344E-05	3.4988E-06	9.358E-07	2.54E-03	3.06E-03	4.10E-05	3.45E-06	5.24E-07	3.11E-03	2.70E-03	3.152E-05	3.353E-06	5.41E-07	0.0027343
4191 486863.09, 3855877.25	0.88495	0.32735	0.9888	1.16091	0.57501	1.66E-03	2.872E-05	2.3042E-06	6.425E-07	1.69E-03	2.04E-03	3.52E-05	2.27E-06	3.60E-07	2.08E-03	1.80E-03	2.707E-05	2.208E-06	3.714E-07	0.0018264
4192 487363.09, 3855877.25	0.71564	0.28896	0.79156	0.93091	0.48567	1.34E-03	2.535E-05	1.8477E-06	5.426E-07	1.37E-03	1.65E-03	3.11E-05	1.82E-06	3.04E-07	1.68E-03	1.45E-03	2.39E-05	1.771E-06	3.137E-07	0.001479
4193 487863.09, 3855877.25	0.59544	0.26809	0.65469	0.76638	0.43245	1.12E-03	2.352E-05	1.5211E-06	4.832E-07	1.14E-03	1.37E-03	2.88E-05	1.50E-06	2.70E-07	1.40E-03	1.21E-03	2.217E-05	1.458E-06	2.793E-07	0.0012329
4194 488363.09, 3855877.25	0.50112	0.25688	0.5524	0.63761	0.38654	9.42E-04	2.254E-05	1.2655E-06	4.319E-07	9.66E-04	1.15E-03	2.76E-05	1.25E-06	2.42E-07	1.18E-03	1.02E-03	2.124E-05	1.213E-06	2.497E-07	0.0010402
4195 488863.09, 3855877.25	0.42921	0.24321	0.4757	0.54101	0.35211	8.07E-04	2.134E-05	1.0738E-06	3.934E-07	8.29E-04	9.88E-04	2.61E-05	1.06E-06	2.20E-07	1.02E-03	8.71E-04	2.011E-05	1.029E-06	2.275E-07	0.0008928
4196 489363.09, 3855877.25	0.3712	0.24417	0.41473	0.4625	0.31953	6.98E-04	2.142E-05	9.1798E-07	3.57E-07	7.20E-04	8.55E-04	2.62E-05	9.06E-07	2.00E-07	8.82E-04	7.54E-04	2.019E-05	8.798E-07	2.064E-07	0.000775
4197 489863.09, 3855877.25	0.32427	0.24441	0.36527	0.39914	0.28905	6.09E-04	2.144E-05	7.9222E-07	3.23E-07	6.32E-04	7.47E-04	2.63E-05	7.82E-07	1.81E-07	7.74E-04	6.58E-04	2.021E-05	7.593E-07	1.867E-07	0.0006795
4198 490363.09, 3855877.25	0.28654	0.23738	0.32572	0.34763	0.26501	5.38E-04	2.082E-05	6.8998E-07	2.961E-07	5.60E-04	6.60E-04	2.55E-05	6.81E-07	1.66E-07	6.86E-04	5.82E-04	1.963E-05	6.613E-07	1.712E-07	0.0006022
4199 490863.09, 3855877.25	0.25344	0.22388	0.28914	0.30407	0.23082	4.76E-04	1.964E-05	6.0352E-07	2.579E-07	4.97E-04	5.84E-04	2.41E-05	5.96E-07	1.44E-07	6.08E-04	5.15E-04	1.851E-05	5.784E-07	1.491E-07	0.0005338
4200 491363.09, 3855877.25	0.21582	0.19767	0.24677	0.25759	0.18304	4.06E-04	1.734E-05	5.1127E-07	2.045E-07	4.24E-04	4.97E-04	2.12E-05	5.05E-07	1.14E-07	5.19E-04	4.38E-04	1.635E-05	4.9E-07	1.182E-07	0.0004552
4201 491863.09, 3855877.25	0.20363	0.19715	0.2335	0.23807	0.19216	3.83E-04	1.73E-05	4.7252E-07	2.147E-07	4.01E-04	4.69E-04	2.12E-05	4.66E-07	1.20E-07	4.91E-04	4.13E-04	1.63E-05	4.529E-07	1.241E-07	0.0004303
4202 492363.09, 3855877.25	0.18161	0.18041	0.20819	0.21027	0.16824	3.41E-04	1.583E-05	4.1735E-07	1.88E-07	3.58E-04	4.18E-04	1.94E-05	4.12E-07	1.05E-07	4.38E-04	3.69E-04	1.492E-05	4E-07	1.087E-07	0.0003842
4203 492863.09, 3855877.25	0.16265	0.16448	0.18635	0.18654	0.14932	3.06E-04	1.443E-05	3.7025E-07	1.668E-07	3.21E-04	3.75E-04	1.77E-05	3.65E-07	9.34E-08	3.93E-04	3.30E-04	1.36E-05	3.548E-07	9.646E-08	0.0003443
4204 493363.09, 3855877.25	0.12819	0.1288	0.14613	0.14668	0.11023	2.41E-04	1.13E-05	2.9113E-07	1.232E-07	2.53E-04	2.95E-04	1.38E-05	2.87E-07	6.89E-08	3.09E-04	2.60E-04	1.065E-05	2.79E-07	7.121E-08	0.0002713
4205 493863.09, 3855877.25	0.09013	0.09025	0.10123	0.10197	0.07926	1.69E-04	7.917E-06	2.0239E-07	8.856E-08	1.78E-04	2.08E-04	9.70E-06	2.00E-07	4.96E-08	2.18E-04	1.83E-04	7.464E-06	1.94E-07	5.12E-08	0.0001907
4206 494363.09, 3855877.25	0.06216	0.06258	0.06901	0.06964	0.05839	1.17E-04	5.49E-06	1.3822E-07	6.524E-08	1.23E-04	1.43E-04	6.73E-06	1.36E-07	3.65E-08	1.50E-04	1.26E-04	5.175E-06	1.325E-07	3.772E-08	0.0001316
4207 494863.09, 3855877.25	0.04593	0.0468	0.05061	0.05074	0.04563	8.63E-05	4.106E-06	1.0071E-07	5.098E-08	9.06E-05	1.06E-04	5.03E-06	9.94E-08	2.85E-08	1.11E-04	9.33E-05	3.87E-06	9.652E-08	2.948E-08	9.725E-05
4208 495363.09, 3855877.25	0.03251	0.03333	0.03556	0.03537	0.03385	6.11E-05	2.924E-06	7.0203E-08	3.782E-08	6.41E-05	7.49E-05	3.58E-06	6.93E-08	2.12E-08	7.85E-05	6.60E-05	2.756E-06	6.728E-08	2.187E-08	6.885E-05
4209 495863.09, 3855877.25	0.03059	0.03144	0.03338	0.03306	0.03182	5.75E-05	2.758E-06	6.5618E-08	3.555E-08	6.03E-05	7.04E-05	3.38E-06	6.48E-08	1.99E-08	7.39E-05	6.21E-05	2.6E-06	6.289E-08	2.055E-08	6.479E-05
4210 496363.09, 3855877.25	0.02934	0.03019	0.03195	0.03144	0.03036	5.51E-05	2.648E-06	6.2403E-08	3.392E-08	5.79E-05	6.76E-05	3.25E-06	6.16E-08	1.90E-08	7.09E-05	5.96E-05	2.497E-06	5.981E-08	1.961E-08	6.215E-05
4211 496863.09, 3855877.25	0.02948	0.03036	0.03208	0.03148	0.03021	5.54E-05	2.663E-06	6.2482E-08	3.375E-08	5.82E-05	6.79E-05	3.26E-06	6.17E-08	1.89E-08	7.12E-05	5.99E-05	2.511E-06	5.988E-08	1.951E-08	6.245E-05
4212 497363.09, 3855877.25	0.0299	0.03078	0.0325	0.03183	0.03026	5.62E-05	2.7E-06	6.3177E-08	3.381E-08	5.90E-05	6.89E-05	3.31E-06	6.24E-08	1.89E-08	7.22E-05	6.07E-05	2.545E-06	6.055E-08	1.955E-08	6.333E-05
4213 497863.09, 3855877.25	0.03095	0.03185	0.03364	0.03288	0.03083	5.82E-05	2.794E-06	6.5261E-08	3.445E-08	6.11E-05	7.13E-05	3.42E-06	6.44E-08	1.93E-08	7.48E-05	6.28E-05	2.634E-06	6.255E-08	1.992E-08	6.556E-05
4214 498363.09, 3855877.25	0.03445	0.03553	0.03758	0.03663	0.03319	6.47E-05	3.117E-06	7.2704E-08	3.708E-08	6.80E-05	7.93E-05	3.82E-06	7.18E-08	2.08E-08	8.32E-05	6.99E-05	2.938E-06	6.968E-08	2.144E-08	7.298E-05
4215 471363.09, 3856377.25	0.00895	0.00958	0.00894	0.00903	0.0062	1.68E-05	8.404E-07	1.7923E-08	6.927E-09	1.77E-05	2.06E-05	1.03E-06	1.77E-08	3.88E-09	2.17E-05	1.82E-05	7.923E-07	1.718E-08	4.005E-09	1.899E-05
4216 471863.09, 3856377.25	0.00939	0.01004	0.00939	0.0095	0.00642	1.76E-05	8.808E-07	1.8856E-08	7.173E-09	1.86E-05	2.16E-05	1.08E-06	1.86E-08	4.02E-09	2.27E-05	1.91E-05	8.303E-07	1.807E-08	4.147E-09	1.992E-05
4217 472363.09, 3856377.25	0.0101	0.01077	0.01009	0.01023	0.00689	1.90E-05	9.448E-07	2.0305E-08	7.698E-09	2.00E-05	2.33E-05	1.16E-06	2.00E-08	4.31E-09	2.44E-05	2.05E-05	8.907E-07	1.946E-08	4.451E-09	2.142E-05
4218 472863.09, 3856377.25	0.01097	0.01165	0.01095	0.0111	0.0075	2.06E-05	1.022E-06	2.2031E-08	8.38E-09	2.17E-05	2.53E-05	1.25E-06	2.17E-08	4.69E-09	2.65E-05	2.23E-05	9.634E-07	2.111E-08	4.845E-09	2.326E-05
4219 473363.09, 3856377.25	0.01179	0.01245	0.01177	0.01195	0.00803	2.22E-05	1.092E-06	2.3719E-08	8.972E-09	2.33E-05	2.72E-05	1.34E-06	2.34E-08	5.02E-09	2.85E-05	2.39E-05	1.03E-06	2.273E-08	5.187E-09	2.5E-05
4220 473863.09, 3856377.25	0.01306	0.01367	0.01299	0.01318	0.00907	2.45E-05	1.199E-06	2.616E-08	1.013E-08	2.58E-05	3.01E-05	1.47E-06	2.58E-08	5.67E-09	3.16E-05	2.65E-05	1.13E-06	2.507E-08	5.859E-09	2.768E-05
4221 474363.09, 3856377.25	0.01333	0.01381	0.01331	0.01357	0.00884	2.50E-05	1.212E-06	2.6934E-08	9.877E-09	2.63E-05	3.07E-05	1.48E-06	2.66E-08	5.53E-09	3.22E-05	2.71E-05	1.142E-06	2.581E-08	5.71E-09	2.824E-05
4222 474863.09, 3856377.25	0.01312	0.01339	0.01316	0.01354	0.00825	2.47E-05	1.175E-06	2.6874E-08	9.218E-09	2.59E-05	3.02E-05	1.44E-06	2.65E-08	5.16E-09	3.17E-05	2.66E-05	1.107E-06	2.576E-08	5.329E-09	2.778E-05
4223 475363.09, 3856377.25	0.01107	0.01101	0.01118	0.01165	0.00676	2.08E-05	9.659E-07	2.3123E-08	7.553E-09	2.18E-05	2.55E-05	1.18E-06	2.28E-08	4.23E-09	2.67E-05	2.25E-05	9.105E-07	2.216E-08	4.367E-09	2.341E-05
4224 475863.09, 3856377.25	0.00767	0.00745	0.00778	0.00814	0.00514	1.44E-05	6.536E-07	1.6156E-08	5.743E-09	1.51E-05	1.77E-05	8.01E-07	1.59E-08	3.21E-09	1.85E-05	1.56E-05	6.161E-07	1.548E-08	3.32E-09	1.621E-05
4225 476363.09, 3856377.25	0.00721	0.00696	0.00732	0.00763	0.00501	1.35E-05	6.106E-07	1.5144E-08	5.598E-09	1.42E-05	1.66E-05	7.48E-07	1.49E-08	3.13E-09	1.74E-05	1.46E-05	5.756E-07	1.451E-08	3.236E-09	1.523E-05
4226 476863.09, 3856377.25	0.00744	0.00715	0.00755	0.00787	0.00522	1.40E-05	6.272E-07	1.562E-08	5.832E-09	1.46E-05	1.71E-05	7.69E-07	1.54E-08	3.26E-09	1.79E-05	1.51E-05	5.913E-07	1.497E-08	3.372E-09	1.572E-05
4227 477363.09, 3856377.25	0.0081	0.00775	0.00821	0.00854	0.00562	1.52E-05	6.799E-07	1.695E-08	6.279E-09	1.59E-05	1.87E-05	8.33E-07	1.67E-08	3.51E-09	1.95E-05	1.64E-05	6.409E-07	1.625E-08	3.63E-09	1.711E-05
4228 477863.09, 3856377.25	0.00653	0.00629	0.00666	0.00682	0.00503	1.23E-05	5.518E-07	1.3536E-08	5.62E-09	1.28E-05	1.50E-05	6.76E-07	1.34E-08	3.15E-09	1.57E-05	1.33E-05	5.202E-07	1.297E-08	3.249E-09	1.379E-05
4229 478363.09, 3856377.25	0.00589	0.00583	0.00602	0.00609	0.00482	1.11E-05	5.114E-07	1.2088E-08	5.385E-09	1.16E-05	1.36E-05	6.27E-07	1.19E-08	3.01E-09	1.42E-05	1.20E-05	4.821E-07	1.158E-08	3.114E-09	1.246E-05
4230 478863.09, 3856377.25	0.01235	0.01197	0.01242	0.0129	0.00791	2.32E-05	1.05E-06	2.5604E-08	8.838E-09	2.43E-05	2.84E-05	1.29E-06	2.53E-08	4.95E-09	2.98E-05	2.51E-05	9.899E-07	2.454E-08	5.11E-09	2.609E-05
4231 479363.09, 3856377.25	0.01697	0.0166	0.0169	0.01759	0.00986	3.19E-05	1.456E-06	3.4913E-08	1.102E-08	3.34E-05	3.91E-05	1.78E-06	3.45E-08	6.17E-09	4.09E-05	3.45E-05	1.373E-06	3.346E-08	6.369E-09	3.587E-05
4232 479863.09, 3856377.25	0.03024	0.03127	0.02981	0.03061	0.01508	5.68E-05	2.743E-06	6.0755E-08	1.685E-08	5.96E-05	6.96E-05	3.36E-06	6.00E-08	9.43E-09	7.31E-05	6.14E-05	2.586E-06	5.823E-08	9.741E-09	6.405E-05
4233 480363.09, 3856377.25	0.04591	0.04972	0.04486	0.04548	0.02301	8.63E-05	4.362E-06	9.0269E-08	2.571E-08	9.08E-05	1.06E-04	5.35E-06	8.91E-08	1.44E-08	1.11E-04	9.32E-05	4.112E-06	8.651E-08	1.486E-08	9.743E-05
4234 480863.09, 3856377.25	0.06042	0.06638	0.05865	0.05888	0.03242	1.14E-04	5.823E-06	1.1687E-07	3.622E-08	1.20E-04	1.39E-04	7.14E-06	1.15E-07	2.03E-08	1.46E-04	1.23E-04	5.49E-06	1.12E-07	2.094E-08	0.0001283
4235 481363.09, 3856377.25	0.07692	0.08646	0.07446	0.07487	0.04679	1.45E-04	7.585E-06	1.486E-07	5.228E-08	1.52E-04	1.77E-04	9.29E-06	1.47E-07	2.93E-08	1.87E-04	1.56E-04	7.15E-06	1.424E-07	3.022E-08	0.0001635
4236 481863.09, 3856377.25	0.09203	0.0975	0.08876	0.09184	0.07	1.73E-04	8.553E-06	1.8229E-07	7.821E-08	1.82E-04	2.12E-04	1.05E-05	1.80E-07	4.38E-08	2.23E-04	1.87E-04	8.063E-06	1.747E-07	4.522E-08	0.0001951

4237 482363.09, 3856377.25	0.10381	0.10024	0.09966	0.10532	0.09329	1.95E-04	8.794E-06	2.0904E-07	1.042E-07	2.04E-04	2.39E-04	1.08E-05	2.06E-07	5.83E-08	2.50E-04	2.11E-04	8.29E-06	2.003E-07	6.026E-08	0.0002193
4238 482863.09, 3856377.25	0.12689	0.12106	0.12358	0.13187	0.11999	2.38E-04	1.062E-05	2.6174E-07	1.341E-07	2.49E-04	2.92E-04	1.30E-05	2.58E-07	7.50E-08	3.06E-04	2.58E-04	1.001E-05	2.508E-07	7.751E-08	0.000268
4239 483363.09, 3856377.25	0.15853	0.15297	0.15817	0.17107	0.15618	2.98E-04	1.342E-05	3.3954E-07	1.745E-07	3.12E-04	3.65E-04	1.64E-05	3.35E-07	9.77E-08	3.82E-04	3.22E-04	1.265E-05	3.254E-07	1.009E-07	0.000335
4240 483863.09, 3856377.25	0.20473	0.17319	0.2083	0.23325	0.21343	3.85E-04	1.519E-05	4.6296E-07	2.385E-07	4.01E-04	4.71E-04	1.86E-05	4.57E-07	1.33E-07	4.91E-04	4.16E-04	1.432E-05	4.437E-07	1.379E-07	0.0004306
4241 484363.09, 3856377.25	0.27063	0.17037	0.27842	0.32502	0.31339	5.09E-04	1.495E-05	6.451E-07	3.502E-07	5.25E-04	6.23E-04	1.83E-05	6.37E-07	1.96E-07	6.42E-04	5.49E-04	1.409E-05	6.183E-07	2.024E-07	0.0005644
4242 484863.09, 3856377.25	0.39166	0.185	0.40496	0.48733	0.48726	7.36E-04	1.623E-05	9.6726E-07	5.444E-07	7.54E-04	9.02E-04	1.99E-05	9.55E-07	3.05E-07	9.23E-04	7.95E-04	1.53E-05	9.27E-07	3.148E-07	0.0008118
4243 485363.09, 3856377.25	0.72406	0.23159	0.7242	0.91462	0.75113	1.36E-03	2.032E-05	1.8154E-06	8.392E-07	1.38E-03	1.67E-03	2.49E-05	1.79E-06	4.70E-07	1.69E-03	1.47E-03	1.915E-05	1.74E-06	4.852E-07	0.0014915
4244 485863.09, 3856377.25	2.7744	0.27759	3.58588	6.43888	2.07849	5.21E-03	2.435E-05	1.278E-05	2.322E-06	5.25E-03	6.39E-03	2.98E-05	1.26E-05	1.30E-06	6.43E-03	5.63E-03	2.296E-05	1.225E-05	1.343E-06	0.0056696
4245 486363.09, 3856377.25	3.5135	0.31989	3.68174	5.60513	2.08211	6.60E-03	2.806E-05	1.1125E-05	2.326E-06	6.64E-03	8.09E-03	3.44E-05	1.10E-05	1.30E-06	8.14E-03	7.13E-03	2.645E-05	1.066E-05	1.345E-06	0.0071722
4246 486863.09, 3856377.25	1.61946	0.29692	1.73755	2.19187	1.0293	3.04E-03	2.605E-05	4.3505E-06	1.15E-06	3.07E-03	3.73E-03	3.19E-05	4.29E-06	6.44E-07	3.77E-03	3.29E-03	2.455E-05	4.169E-06	6.649E-07	0.0033175
4247 487363.09, 3856377.25	1.07282	0.27179	1.17995	1.43977	0.79491	2.02E-03	2.384E-05	2.8577E-06	8.882E-07	2.04E-03	2.47E-03	2.92E-05	2.82E-06	4.97E-07	2.50E-03	2.18E-03	2.248E-05	2.739E-06	5.135E-07	0.002204
4248 487863.09, 3856377.25	0.80181	0.29148	0.89411	1.0619	0.68602	1.51E-03	2.557E-05	2.1077E-06	7.665E-07	1.54E-03	1.85E-03	3.13E-05	2.08E-06	4.29E-07	1.88E-03	1.63E-03	2.411E-05	2.02E-06	4.431E-07	0.0016545
4249 488363.09, 3856377.25	0.63107	0.32786	0.71837	0.82624	0.59322	1.19E-03	2.876E-05	1.6399E-06	6.628E-07	1.22E-03	1.45E-03	3.52E-05	1.62E-06	3.71E-07	1.49E-03	1.28E-03	2.711E-05	1.572E-06	3.832E-07	0.0013104
4250 488863.09, 3856377.25	0.51377	0.36894	0.59728	0.66108	0.51851	9.65E-04	3.237E-05	1.3121E-06	5.793E-07	1.00E-03	1.18E-03	3.97E-05	1.30E-06	3.24E-07	1.22E-03	1.04E-03	3.051E-05	1.258E-06	3.349E-07	0.0010753
4251 489363.09, 3856377.25	0.42958	0.37837	0.50779	0.54101	0.45387	8.07E-04	3.319E-05	1.0738E-06	5.071E-07	8.42E-04	9.89E-04	4.07E-05	1.06E-06	2.84E-07	1.03E-03	8.72E-04	3.129E-05	1.029E-06	2.932E-07	0.0009048
4252 489863.09, 3856377.25	0.3668	0.36241	0.43863	0.45105	0.39875	6.89E-04	3.179E-05	8.9525E-07	4.455E-07	7.22E-04	8.45E-04	3.90E-05	8.84E-07	2.49E-07	8.85E-04	7.45E-04	2.997E-05	8.58E-07	2.576E-07	0.0007758
4253 490363.09, 3856377.25	0.31756	0.33363	0.38155	0.38209	0.34535	5.97E-04	2.927E-05	7.5838E-07	3.859E-07	6.27E-04	7.31E-04	3.59E-05	7.48E-07	2.16E-07	7.68E-04	6.45E-04	2.759E-05	7.268E-07	2.231E-07	0.0006733
4254 490863.09, 3856377.25	0.27831	0.30275	0.33321	0.32844	0.29881	5.23E-04	2.656E-05	6.5189E-07	3.339E-07	5.51E-04	6.41E-04	3.25E-05	6.43E-07	1.87E-07	6.74E-04	5.65E-04	2.504E-05	6.248E-07	1.93E-07	0.0005909
4255 491363.09, 3856377.25	0.24605	0.27253	0.29298	0.2853	0.26268	4.62E-04	2.391E-05	5.6627E-07	2.935E-07	4.87E-04	5.67E-04	2.93E-05	5.59E-07	1.64E-07	5.97E-04	5.00E-04	2.254E-05	5.427E-07	1.697E-07	0.0005228
4256 491863.09, 3856377.25	0.21852	0.24318	0.25829	0.24988	0.22786	4.11E-04	2.133E-05	4.9597E-07	2.546E-07	4.33E-04	5.03E-04	2.61E-05	4.89E-07	1.43E-07	5.30E-04	4.44E-04	2.011E-05	4.753E-07	1.472E-07	0.0004644
4257 492363.09, 3856377.25	0.19232	0.21371	0.22609	0.21796	0.19125	3.61E-04	1.875E-05	4.3261E-07	2.137E-07	3.81E-04	4.43E-04	2.30E-05	4.27E-07	1.20E-07	4.66E-04	3.90E-04	1.767E-05	4.146E-07	1.235E-07	0.0004087
4258 492863.09, 3856377.25	0.15873	0.17449	0.18583	0.17953	0.14595	2.98E-04	1.531E-05	3.5633E-07	1.631E-07	3.14E-04	3.66E-04	1.88E-05	3.52E-07	9.13E-08	3.85E-04	3.22E-04	1.443E-05	3.415E-07	9.428E-08	0.0003371
4259 493363.09, 3856377.25	0.10262	0.10983	0.11744	0.11526	0.09401	1.93E-04	9.635E-06	2.2877E-07	1.05E-07	2.03E-04	2.36E-04	1.18E-05	2.26E-07	5.88E-08	2.48E-04	2.08E-04	9.083E-06	2.193E-07	6.073E-08	0.0002177
4260 493863.09, 3856377.25	0.07739	0.08218	0.08742	0.0858	0.07373	1.45E-04	7.209E-06	1.703E-07	8.238E-08	1.53E-04	1.78E-04	8.83E-06	1.68E-07	4.61E-08	1.87E-04	1.57E-04	6.796E-06	1.632E-07	4.763E-08	0.0001641
4261 494363.09, 3856377.25	0.0547	0.05761	0.06089	0.05971	0.05529	1.03E-04	5.054E-06	1.1851E-07	6.178E-08	1.08E-04	1.26E-04	6.19E-06	1.17E-07	3.46E-08	1.32E-04	1.11E-04	4.764E-06	1.136E-07	3.572E-08	0.000116
4262 494863.09, 3856377.25	0.04012	0.0419	0.04418	0.0432	0.04239	7.54E-05	3.676E-06	8.5744E-08	4.736E-08	7.92E-05	9.24E-05	4.50E-06	8.46E-08	2.65E-08	9.70E-05	8.15E-05	3.465E-06	8.218E-08	2.738E-08	8.503E-05
4263 495363.09, 3856377.25	0.03198	0.03317	0.03493	0.03406	0.03427	6.01E-05	2.91E-06	6.7603E-08	3.829E-08	6.31E-05	7.36E-05	3.57E-06	6.67E-08	2.14E-08	7.73E-05	6.49E-05	2.743E-06	6.479E-08	2.214E-08	6.776E-05
4264 495863.09, 3856377.25	0.02988	0.03091	0.03252	0.03156	0.03181	5.62E-05	2.712E-06	6.2641E-08	3.554E-08	5.90E-05	6.88E-05	3.32E-06	6.18E-08	1.99E-08	7.22E-05	6.07E-05	2.556E-06	6.004E-08	2.055E-08	6.33E-05
4265 496363.09, 3856377.25	0.02925	0.03021	0.03178	0.03096	0.03101	5.50E-05	2.65E-06	6.145E-08	3.465E-08	5.77E-05	6.74E-05	3.25E-06	6.06E-08	1.94E-08	7.07E-05	5.94E-05	2.498E-06	5.889E-08	2.003E-08	6.197E-05
4266 496863.09, 3856377.25	0.03071	0.03181	0.03338	0.03236	0.03192	5.77E-05	2.791E-06	6.4229E-08	3.566E-08	6.06E-05	7.07E-05	3.42E-06	6.34E-08	2.00E-08	7.42E-05	6.24E-05	2.631E-06	6.156E-08	2.062E-08	6.507E-05
4267 497363.09, 3856377.25	0.03187	0.03307	0.03464	0.03369	0.0326	5.99E-05	2.901E-06	6.6868E-08	3.642E-08	6.29E-05	7.34E-05	3.56E-06	6.60E-08	2.04E-08	7.70E-05	6.47E-05	2.735E-06	6.409E-08	2.106E-08	6.753E-05
4268 497863.09, 3856377.25	0.03429	0.03575	0.0374	0.03614	0.03404	6.44E-05	3.136E-06	7.1731E-08	3.803E-08	6.77E-05	7.90E-05	3.84E-06	7.08E-08	2.13E-08	8.29E-05	6.96E-05	2.956E-06	6.875E-08	2.199E-08	7.267E-05
4269 498363.09, 3856377.25	0.03765	0.03948	0.04125	0.03976	0.03633	7.08E-05	3.463E-06	7.8916E-08	4.059E-08	7.43E-05	8.67E-05	4.24E-06	7.79E-08	2.27E-08	9.10E-05	7.64E-05	3.265E-06	7.563E-08	2.347E-08	7.981E-05
4270 471363.09, 3856877.25	0.00916	0.00994	0.00927	0.00929	0.00658	1.72E-05	8.72E-07	1.8439E-08	7.352E-09	1.81E-05	2.11E-05	1.07E-06	1.82E-08	4.12E-09	2.22E-05	1.86E-05	8.22E-07	1.767E-08	4.25E-09	1.944E-05
4271 471863.09, 3856877.25	0.00952	0.01023	0.00964	0.00969	0.00673	1.79E-05	8.974E-07	1.9233E-08	7.52E-09	1.88E-05	2.19E-05	1.10E-06	1.90E-08	4.21E-09	2.30E-05	1.93E-05	8.46E-07	1.843E-08	4.347E-09	2.02E-05
4272 472363.09, 3856877.25	0.0102	0.01083	0.01031	0.01037	0.0072	1.92E-05	9.501E-07	2.0583E-08	8.045E-09	2.01E-05	2.35E-05	1.16E-06	2.03E-08	4.50E-09	2.47E-05	2.07E-05	8.956E-07	1.973E-08	4.651E-09	2.163E-05
4273 472863.09, 3856877.25	0.01093	0.01149	0.01102	0.0111	0.00769	2.05E-05	1.008E-06	2.2031E-08	8.592E-09	2.16E-05	2.52E-05	1.24E-06	2.17E-08	4.81E-09	2.64E-05	2.22E-05	9.502E-07	2.111E-08	4.967E-09	2.317E-05
4274 473363.09, 3856877.25	0.01212	0.01264	0.01214	0.01223	0.00872	2.28E-05	1.109E-06	2.4274E-08	9.743E-09	2.39E-05	2.79E-05	1.36E-06	2.40E-08	5.45E-09	2.93E-05	2.46E-05	1.045E-06	2.326E-08	5.633E-09	2.568E-05
4275 473863.09, 3856877.25	0.013	0.01346	0.01299	0.0131	0.0093	2.44E-05	1.181E-06	2.6001E-08	1.039E-08	2.56E-05	2.99E-05	1.45E-06	2.57E-08	5.82E-09	3.14E-05	2.64E-05	1.113E-06	2.492E-08	6.008E-09	2.754E-05
4276 474363.09, 3856877.25	0.01314	0.01358	0.0132	0.01335	0.00889	2.47E-05	1.191E-06	2.6497E-08	9.933E-09	2.59E-05	3.03E-05	1.46E-06	2.62E-08	5.56E-09	3.18E-05	2.67E-05	1.123E-06	2.54E-08	5.743E-09	2.783E-05
4277 474863.09, 3856877.25	0.01279	0.01319	0.01295	0.01316	0.00815	2.40E-05	1.157E-06	2.612E-08	9.106E-09	2.52E-05	2.95E-05	1.42E-06	2.58E-08	5.10E-09	3.09E-05	2.60E-05	1.091E-06	2.503E-08	5.265E-09	2.709E-05
4278 475363.09, 3856877.25	0.01133	0.0116	0.01156	0.01183	0.00695	2.13E-05	1.018E-06	2.348E-08	7.765E-09	2.23E-05	2.61E-05	1.25E-06	2.32E-08	4.35E-09	2.74E-05	2.30E-05	9.593E-07	2.25E-08	4.489E-09	2.399E-05
4279 475863.09, 3856877.25	0.01154	0.01175	0.01177	0.01206	0.00698	2.17E-05	1.031E-06	2.3937E-08	7.799E-09	2.27E-05	2.66E-05	1.26E-06	2.36E-08	4.37E-09	2.79E-05	2.34E-05	9.717E-07	2.294E-08	4.509E-09	2.443E-05
4280 476363.09, 3856877.25	0.01018	0.0103	0.01037	0.01067	0.00627	1.91E-05	9.036E-07	2.1178E-08	7.006E-09	2.01E-05	2.34E-05	1.11E-06	2.09E-08	3.92E-09	2.46E-05	2.07E-05	8.518E-07	2.03E-08	4.05E-09	2.155E-05
4281 476863.09, 3856877.25	0.00991	0.01005	0.01006	0.01035	0.00617	1.86E-05	8.817E-07	2.0543E-08	6.894E-09	1.95E-05	2.28E-05	1.08E-06	2.03E-08	3.86E-09	2.39E-05	2.01E-05	8.311E-07	1.969E-08	3.986E-09	2.098E-05
4282 477363.09, 3856877.25	0.00881	0.00896	0.00892	0.0092	0.00576	1.66E-05	7.86E-07	1.826E-08	6.436E-09	1.74E-05	2.03E-05	9.63E-07	1.80E-08	3.60E-09	2.13E-05	1.79E-05	7.41E-07	1.75E-08	3.721E-09	1.865E-05
4283 477863.09, 3856877.25	0.00595	0.00598	0.00605	0.00619	0.00452	1.12E-05	5.246E-07	1.2286E-08	5.05E-09	1.17E-05	1.37E-05	6.43E-07	1.21E-08	2.83E-09	1.44E-05	1.21E-05	4.945E-07	1.177E-08	2.92E-09	1.259E-05
4284 478363.09, 3856877.25	0.0053	0.00523	0.00535	0.00549	0.0043	9.96E-06	4.588E-07	1.0897E-08	4.804E-09	1.04E-05	1.22E-05	5.62E-07	1.08E-08	2.69E-09	1.28E-05	1.08E-05	4.325E-07	1.044E-08	2.778E-09	1.121E-05
4285 478863.09, 3856877.25	0.00693	0.00683	0.007	0.00723	0.00523	1.30E-05	5.992E-07	1.435E-08	5.844E-09	1.36E-05	1.60E-05	7.34E-07	1.42E-08	3.27E-09	1.67E-05	1.41E-05	5.648E-07	1.375E-08	3.378E-09	1.465E-05
4286 479363.09, 3856877.25	0.00966	0.0095	0.00971	0.01015	0.00661	1.82E-05	8.334E-07	2.0146E-08	7.385E-09	1.90E-05	2.22E-05	1.02E-06	1.99E-08	4.13E-09	2.33E-05	1.96E-05	7.856E-07	1.931E-08	4.27E-09	2.042E-05
4287 479863.09, 3856877.25	0.02762	0.02808	0.02735	0.0285	0.01355	5.19E-05	2.463E-06	5.6567E-08	1.514E-08	5.44E-05	6.36E-05	3.02E-06	5.58E-08	8.47E-09	6.67E-05	5.61E-05	2.322E-06	5.421E-08	8.753E-09	5.846E-05
4288 480363.09, 3856877.25	0.04455	0.04881	0.04436	0.0451	0.02218	8.37E-05	4.282E-06	8.9515E-08	2.478E-08	8.81E-05	1.03E-04	5.25E-06	8.83E-08	1.39E-08	1.08E-04	9.05E-05	4.037E-06	8.579E-08	1.433E-08	9.459E-05
4289 480863.09, 3856877.25	0.05879	0.06291	0.05836	0.06008	0.03501	1.10E-04	5.519E-06	1.1925E-07	3.912E-08	1.16E-04	1.35E-04	6.76E-06	1.18E-07	2.19E-08	1.42E-04	1.19E-04	5.203E-06	1.143E-07	2.262E-08	0.0001247
4290 481363.09, 3856877.25	0.0714	0.06812	0.07019	0.07301	0.05012	1.34E-04	5.976E-06	1.4491E-07	5.6E-08	1.40E-04	1.64E-04	7.32E-06	1.43E-07	3.13E-08	1.72E-04	1.45E-04	5.633E-06	1.389E-07	3.238E-08	0.0001508
4291 481863.09, 3856877.25	0.08387	0.07631	0.08231	0.08635	0.06507	1.58E-04	6.694E-06	1.7139E-07	7.27E-08	1.65E-04	1.93E-04	8.20E-06	1.69E-07	4.07E-08	2.02E-04	1.70E-04	6.311E-06	1.643E-07	4.203E-08	0.0001768
4292 482363.09, 3856877.25	0.09348	0.08466	0.09083	0.09673	0.08927	1.76E-04	7.427E-06	1.9199E-07	9.974E-08	1.83E-04	2.15E-04	9.10E-06	1.89E-07	5.58E-08	2.25E-04	1.90E-04	7.001E-06	1.84E-07	5.767E-08	0.000197
4293 482863.09, 3856877.25	0.10968	0.10149	0.10793	0.11546	0.10979	2.06E-04	8.903E-06	2.2917E-07	1.227E-07	2.15E-04	2.53E-04	1.09E-05	2.26E-07	6.87E-08	2.64E-04	2.23E-04	8.393E-06	2.196E-07	7.092E-08	0.0002314
4294 483363.09, 3856877.25	0.13228	0.11917	0.13284	0.14445	0.13829	2.49E-04	1.045E-05	2.8671E-07	1.545E-07	2.59E-04	3.05E-04	1.28E-05	2.83E-07	8.65E-08	3.18E-04	2.69E-04	9.855E-06	2.748E-07	8.933E-08	0.0002788
4295 483863.09, 3856877.25	0.16262	0.13065	0.16541	0.18375	0.18133	3.06E-04	1.146E-05	3.6471E-07	2.026E-07	3.18E-04	3.74E-04	1.40E-05	3.60E-07	1.13E-07	3.89E-04	3.30E-04	1.08E-05	3.495E-07	1.171E-07	0.0003415
4296 484363.09, 3856877.25	0.20356	0.14046	0.20885	0.23892	0.24366	3.83E-04	1.232E-05	4.7421E-07	2.722E-07	3.96E-04	4.69E-04	1.51E-05	4.68E-07	1.52E-07	4.84E-04	4.13E-04	1.162E-05	4.545E-07	1.574E-07	0.0004255
4297 484863.09, 3856877.25	0.26076	0.16458	0.26902	0.31344	0.33216	4.90E-04	1.444E-05	6.2212E-07	3.711E-07	5.05E-04	6.00E-04	1.77E-05	6.14E-07	2.08E-07	6.19E-04	5.29E-04	1.361E-05	5.962E-07	2.146E-07	0.0005439
4298 485363.09, 3856877.25	0.36932	0.20834	0.38072	0.45547	0.48046	6.94E-04	1.828E-05	9.0402E-07	5.368E-07	7.14E-04	8.50E-04	2.24E-05	8.92E-07	3.00E-07	8.74E-04	7.50E-04	1.723E-05	8.664E-07	3.104E-07	0.0007683
4299 485863.09, 3856877.25	0.61685	0.28708	0.62504	0.77249	0.74136	1.16E-03	2.518E-05	1.5332E-06	8.283E-07	1.19E-03	1.42E-03	3.09E-05	1.51E-06	4.64E-07	1.45E-03	1.25E-03	2.374E-05	1.469E-06	4.789E-07	0.0012781
4300 486363.09, 3856877.25	2.84875	0.48606	2.76255	3.12112	0.77016	5.35E-03	4.264E-05	6.1948E-06	8.605E-07	5.40E-03	6.56E-03	5.23E-05	6.11E-06	4.82E-07	6.62E-03	5.78E-03	4.02E-05	5.937E-06	4.975E-07	0.0058307
4301 486863.09, 3856877.25	4.21364	0.7691	4.80489	8.16661	3.01081	7.92E-03	6.747E-05	1.6209E-05	3.364E-06	8.01E-03	9.70E-03	8.27E-05	1.60E-05	1.88E-06	9.80E-03	8.56E-03	6.36E-05	1.553E-05	1.945E-06	0.0086364
4302 487363.09, 3856877.25	1.66813	0.74836	1.82996	2.32743	1.34678	3.13E-03	6.565E-05	4.6195E-06	1.505E-06	3.21E-03	3.84E-03	8.05E-05	4.56E-06	8.42E-07	3.93E-03	3.39E-03	6.189E-05	4.427E-06	8.7E-07	0.0034541
4303 487863.09, 3856877.25	0.98591	1.06368	1.19447	1.36341	1.04493	1.85E-03	9.331E-05	2.7061E-06	1.168E-06	1.95E-03	2.27E-03	1.14E-04	2.67E-06	6.54E-07	2.39E-03	2.00E-03	8.796E-05	2.594E-06	6.75E-07	0.002093
4304 488363.09, 3856877.25	0.71099	1.01875	0.88922	0.92947	0.86581	1.34E-03	8.937E-05	1.8448E-06	9.674E-07	1.43E-03	1.64E-03	1.10E-04	1.82E-06	5.42E-07	1.75E-03	1.44E-03	8.425E-05	1.768E-06	5.593E-07	0.0015302
4305 488863.09, 3856877.25	0.55839	0.8436	0.70936	0.69539	0.71207	1.05E-03	7.401E-05	1.3802E-06	7.956E-07	1.13E-03	1.29E-03	9.07E-05	1.36E-06	4.45E-07	1.38E-03	1.13E-03	6.976E-05	1.323E-06	4.6E-07	0.0012053
4306 489363.09, 3856877.25	0.45716	0.67517	0.58159	0.54644	0.60011	8.59E-04	5.923E-05	1.0846E-06	6.705E-07	9.20E-04	1.05E-03	7.26E-05	1.07E-06	3.75E-07	1.13E-03	9.28E-04	5.584E-05	1.039E-06	3.877E-07	0.0009855
4307 489863.09, 3856877.25	0.3843	0.54733	0.48713	0.44537	0.50368	7.22E-04	4.802E-05	8.8398E-07	5.628E-07	7.72E-04	8.85E-04	5.88E-05	8.72E-07	3.15E-07	9.45E-04	7.80E-04	4.526E-05	8.472E-07	3.254E-07	0.0008267
4308 490363.09, 3856877.25	0.32902	0.45133	0.41416	0.37238	0.417	6.18E-04	3.959E-05	7.3911E-07	4.659E-07	6.59E-04	7.58E-04	4.85E-05	7.29E-07	2.61E-07	8.07E-04	6.68E-04	3.732E-05	7.084E-07	2.694E-07	0.0007063
4309 490863.09, 3856877.25	0.28505	0.3774	0.3545	0.31678	0.35181	5.36E-04	3.311E-05	6.2875E-07	3.931E-07	5.70E-04	6.56E-04	4.06E-05	6.21E-07	2.20E-07	6.98E-04	5.79E-04	3.121E-05	6.026E-07	2.273E-07	0.0006108
4310 491363.09, 3856877.25	0.25013	0.32116	0.3061	0.27415	0.29904	4.70E-04	2.817E-05	5.4414E-07	3.341E-07	4.99E-04	5.76E-04	3.45E-05	5.37E-07	1.87E-07	6.11E-04	5.08E-04	2.656E-05	5.215E-07	1.932E-07	0.0005351
4311 491863.09, 3856877.25	0.22104	0.2756	0.26629	0.24035	0.25268	4.15E-04	2.418E-05	4.7705E-07	2.823E-07	4.40E-04	5.09E-04	2.96E-05	4.71E-07	1.58E-07	5.39E-04	4.49E-04	2.279E-05	4.572E-07	1.632E-07	0.0004722
4312 492363.09, 3856877.25	0.18283	0.22163	0.2197	0.20117	0.18269	3.44E-04	1.944E-05	3.9929E-07	2.041E-07	3.64E-04	4.21E-04	2.38E-05	3.94E-07	1.14E-07	4.45E-04	3.71E-04	1.833E-05	3.827E-07	1.18E-07	0.00039
4313 492863.09, 3856877.25	0.14386	0.16921	0.17065	0.15794	0.13642	2.70E-04	1.484E-05	3.1348E-07	1.524E-07	2.86E-04	3.31E-04	1.82E-05	3.09E-07	8.53E-08	3.50E-04	2.92E-04	1.399E-05	3.004E-07	8.812E-08	0.0003065
4314 493363.09, 3856877.25	0.10303	0.11764	0.11931	0.11186	0.09855	1.94E-04	1.032E-05	2.2202E-07	1.101E-07	2.04E-04	2.37E-04	1.26E-05	2.19E-07	6.16E-08	2.50E-04	2.09E-04	9.729E-06	2.128E-07	6.366E-08	0.0002192
4315 493863.09, 3856877.25	0.06821	0.0764	0.07718	0.07328	0.06919	1.28E-04	6.702E-06	1.4545E-07	7.731E-08	1.35E-04	1.57E-04	8.21E-06	1.44E-07	4.33E-08	1.65E-04	1.38E-04	6.318E-06	1.394E-07	4.469E-08	0.000145
4316 494363.09, 3856877.25	0.04741	0.05261	0.05262	0.0501	0.05073	8.91E-05	4.615E-06	9.9439E-08	5.668E-08	9.39E-05	1.09E-04	5.66E-06	9.81E-08	3.17E-08	1.15E-04	9.63E-05	4.351E-06	9.53E-08	3.277E-08	0.0001007

4317 494863.09, 3856877.25	0.03888	0.04284	0.04274	0.04072	0.04214	7.31E-05	3.758E-06	8.0822E-08	4.708E-08	7.69E-05	8.95E-05	4.61E-06	7.98E-08	2.64E-08	9.42E-05	7.89E-05	3.543E-06	7.746E-08	2.722E-08	8.259E-05
4318 495363.09, 3856877.25	0.03418	0.03744	0.03735	0.03556	0.03697	6.42E-05	3.284E-06	7.058E-08	4.131E-08	6.76E-05	7.87E-05	4.02E-06	6.97E-08	2.31E-08	8.28E-05	6.94E-05	3.096E-06	6.764E-08	2.388E-08	7.259E-05
4319 495863.09, 3856877.25	0.03259	0.03559	0.03551	0.03385	0.03495	6.12E-05	3.122E-06	6.7186E-08	3.905E-08	6.45E-05	7.50E-05	3.83E-06	6.63E-08	2.19E-08	7.90E-05	6.62E-05	2.943E-06	6.439E-08	2.258E-08	6.92E-05
4320 496363.09, 3856877.25	0.03166	0.03447	0.03442	0.03282	0.03358	5.95E-05	3.024E-06	6.5142E-08	3.752E-08	6.26E-05	7.29E-05	3.71E-06	6.43E-08	2.10E-08	7.67E-05	6.43E-05	2.851E-06	6.243E-08	2.169E-08	6.722E-05
4321 496863.09, 3856877.25	0.03198	0.03475	0.03475	0.03299	0.03329	6.01E-05	3.049E-06	6.5479E-08	3.72E-08	6.32E-05	7.36E-05	3.74E-06	6.46E-08	2.08E-08	7.75E-05	6.49E-05	2.874E-06	6.276E-08	2.15E-08	6.789E-05
4322 497363.09, 3856877.25	0.03344	0.03626	0.0364	0.03454	0.03398	6.28E-05	3.181E-06	6.8556E-08	3.797E-08	6.61E-05	7.70E-05	3.90E-06	6.77E-08	2.13E-08	8.10E-05	6.79E-05	2.999E-06	6.57E-08	2.195E-08	7.098E-05
4323 497863.09, 3856877.25	0.03747	0.04061	0.041	0.03881	0.0368	7.04E-05	3.563E-06	7.7031E-08	4.112E-08	7.41E-05	8.63E-05	4.37E-06	7.60E-08	2.30E-08	9.08E-05	7.61E-05	3.358E-06	7.383E-08	2.377E-08	7.953E-05
4324 498363.09, 3856877.25	0.04238	0.04603	0.04665	0.04401	0.0404	7.96E-05	4.038E-06	8.7352E-08	4.514E-08	8.38E-05	9.76E-05	4.95E-06	8.62E-08	2.53E-08	1.03E-04	8.60E-05	3.807E-06	8.372E-08	2.61E-08	8.996E-05
4325 471363.09, 3857377.25	0.00935	0.00922	0.00933	0.00934	0.00694	1.76E-05	8.088E-07	1.8538E-08	7.754E-09	1.84E-05	2.15E-05	9.91E-07	1.83E-08	4.34E-09	2.25E-05	1.90E-05	7.625E-07	1.777E-08	4.483E-09	1.977E-05
4326 471863.09, 3857377.25	0.00969	0.00955	0.00968	0.0097	0.00702	1.82E-05	8.378E-07	1.9253E-08	7.844E-09	1.91E-05	2.23E-05	1.03E-06	1.90E-08	4.39E-09	2.34E-05	1.97E-05	7.898E-07	1.845E-08	4.535E-09	2.049E-05
4327 472363.09, 3857377.25	0.01027	0.01009	0.01025	0.01028	0.00737	1.93E-05	8.852E-07	2.0404E-08	8.235E-09	2.02E-05	2.36E-05	1.08E-06	2.01E-08	4.61E-09	2.48E-05	2.09E-05	8.344E-07	1.956E-08	4.761E-09	2.171E-05
4328 472863.09, 3857377.25	0.01101	0.01074	0.01096	0.011	0.00788	2.07E-05	9.422E-07	2.1833E-08	8.804E-09	2.17E-05	2.54E-05	1.15E-06	2.15E-08	4.93E-09	2.65E-05	2.24E-05	8.882E-07	2.092E-08	5.09E-09	2.327E-05
4329 473363.09, 3857377.25	0.01197	0.01157	0.01184	0.01191	0.00863	2.25E-05	1.015E-06	2.3639E-08	9.642E-09	2.35E-05	2.76E-05	1.24E-06	2.33E-08	5.40E-09	2.88E-05	2.43E-05	9.568E-07	2.266E-08	5.575E-09	2.529E-05
4330 473863.09, 3857377.25	0.01313	0.0126	0.0129	0.01298	0.00963	2.47E-05	1.105E-06	2.5763E-08	1.076E-08	2.58E-05	3.02E-05	1.35E-06	2.54E-08	6.02E-09	3.16E-05	2.67E-05	1.042E-06	2.469E-08	6.221E-09	2.773E-05
4331 474363.09, 3857377.25	0.01297	0.01258	0.01289	0.01293	0.00876	2.44E-05	1.104E-06	2.5664E-08	9.788E-09	2.55E-05	2.99E-05	1.35E-06	2.53E-08	5.48E-09	3.13E-05	2.63E-05	1.04E-06	2.46E-08	5.659E-09	2.74E-05
4332 474863.09, 3857377.25	0.01061	0.01053	0.01074	0.01083	0.0065	1.99E-05	9.238E-07	2.1496E-08	7.263E-09	2.09E-05	2.44E-05	1.13E-06	2.12E-08	4.07E-09	2.56E-05	2.15E-05	8.708E-07	2.06E-08	4.199E-09	2.244E-05
4333 475363.09, 3857377.25	0.00748	0.00753	0.00759	0.00775	0.00478	1.41E-05	6.606E-07	1.5382E-08	5.341E-09	1.47E-05	1.72E-05	8.09E-07	1.52E-08	2.99E-09	1.81E-05	1.52E-05	6.227E-07	1.474E-08	3.088E-09	1.583E-05
4334 475863.09, 3857377.25	0.00698	0.007	0.00705	0.00724	0.00453	1.31E-05	6.141E-07	1.437E-08	5.061E-09	1.38E-05	1.61E-05	7.53E-07	1.42E-08	2.83E-09	1.68E-05	1.42E-05	5.789E-07	1.377E-08	2.926E-09	1.477E-05
4335 476363.09, 3857377.25	0.00946	0.00953	0.00952	0.00973	0.00572	1.78E-05	8.36E-07	1.9312E-08	6.391E-09	1.86E-05	2.18E-05	1.02E-06	1.91E-08	3.58E-09	2.28E-05	1.92E-05	7.881E-07	1.851E-08	3.695E-09	2.002E-05
4336 476863.09, 3857377.25	0.01028	0.01049	0.01031	0.01047	0.00613	1.93E-05	9.203E-07	2.0781E-08	6.849E-09	2.03E-05	2.37E-05	1.13E-06	2.05E-08	3.83E-09	2.48E-05	2.09E-05	8.675E-07	1.992E-08	3.96E-09	2.176E-05
4337 477363.09, 3857377.25	0.00896	0.00909	0.00901	0.00934	0.00565	1.68E-05	7.974E-07	1.8538E-08	6.313E-09	1.77E-05	2.06E-05	9.77E-07	1.83E-08	3.53E-09	2.16E-05	1.82E-05	7.517E-07	1.777E-08	3.65E-09	1.897E-05
4338 477863.09, 3857377.25	0.00658	0.00654	0.0066	0.00687	0.00467	1.24E-05	5.737E-07	1.3636E-08	5.218E-09	1.30E-05	1.52E-05	7.03E-07	1.35E-08	2.92E-09	1.59E-05	1.34E-05	5.408E-07	1.307E-08	3.017E-09	1.392E-05
4339 478363.09, 3857377.25	0.00497	0.00486	0.00496	0.00512	0.00397	9.34E-06	4.264E-07	1.0162E-08	4.436E-09	9.78E-06	1.14E-05	5.22E-07	1.00E-08	2.48E-09	1.20E-05	1.01E-05	4.019E-07	9.74E-09	2.564E-09	1.051E-05
4340 478863.09, 3857377.25	0.00426	0.00418	0.00424	0.00433	0.00362	8.01E-06	3.667E-07	8.5943E-09	4.045E-09	8.38E-06	9.81E-06	4.49E-07	8.48E-09	2.26E-09	1.03E-05	8.65E-06	3.457E-07	8.237E-09	2.338E-09	9.006E-06
4341 479363.09, 3857377.25	0.00722	0.00732	0.00721	0.00742	0.0052	1.36E-05	6.422E-07	1.4727E-08	5.81E-09	1.42E-05	1.66E-05	7.87E-07	1.45E-08	3.25E-09	1.74E-05	1.47E-05	6.054E-07	1.411E-08	3.359E-09	1.528E-05
4342 479863.09, 3857377.25	0.02272	0.02383	0.02277	0.02396	0.01132	4.27E-05	2.091E-06	4.7556E-08	1.265E-08	4.48E-05	5.23E-05	2.56E-06	4.69E-08	7.08E-09	5.49E-05	4.61E-05	1.971E-06	4.558E-08	7.312E-09	4.815E-05
4343 480363.09, 3857377.25	0.0183	0.0182	0.01831	0.01942	0.00994	3.44E-05	1.597E-06	3.8545E-08	1.111E-08	3.60E-05	4.21E-05	1.96E-06	3.80E-08	6.22E-09	4.41E-05	3.72E-05	1.505E-06	3.694E-08	6.421E-09	3.87E-05
4344 480863.09, 3857377.25	0.05466	0.04912	0.05474	0.05674	0.03542	1.03E-04	4.309E-06	1.1262E-07	3.958E-08	1.07E-04	1.26E-04	5.28E-06	1.11E-07	2.22E-08	1.31E-04	1.11E-04	4.062E-06	1.079E-07	2.288E-08	0.0001152
4345 481363.09, 3857377.25	0.06211	0.05631	0.06253	0.06498	0.03905	1.17E-04	4.94E-06	1.2897E-07	4.363E-08	1.22E-04	1.43E-04	6.05E-06	1.27E-07	2.44E-08	1.49E-04	1.26E-04	4.657E-06	1.236E-07	2.523E-08	0.0001309
4346 481863.09, 3857377.25	0.07481	0.06671	0.0748	0.0781	0.05459	1.41E-04	5.852E-06	1.5501E-07	6.099E-08	1.47E-04	1.72E-04	7.17E-06	1.53E-07	3.41E-08	1.80E-04	1.52E-04	5.517E-06	1.486E-07	3.526E-08	0.0001576
4347 482363.09, 3857377.25	0.08491	0.07678	0.08349	0.08866	0.07971	1.60E-04	6.736E-06	1.7597E-07	8.906E-08	1.67E-04	1.96E-04	8.25E-06	1.74E-07	4.99E-08	2.04E-04	1.72E-04	6.35E-06	1.687E-07	5.149E-08	0.000179
4348 482863.09, 3857377.25	0.09551	0.08664	0.09463	0.1015	0.09718	1.79E-04	7.601E-06	2.0146E-07	1.086E-07	1.87E-04	2.20E-04	9.31E-06	1.99E-07	6.08E-08	2.30E-04	1.94E-04	7.165E-06	1.931E-07	6.278E-08	0.0002013
4349 483363.09, 3857377.25	0.1108	0.0948	0.11123	0.12108	0.11952	2.08E-04	8.317E-06	2.4032E-07	1.335E-07	2.17E-04	2.55E-04	1.02E-05	2.37E-07	7.48E-08	2.66E-04	2.25E-04	7.84E-06	2.303E-07	7.721E-08	0.0002331
4350 483863.09, 3857377.25	0.13139	0.10552	0.13284	0.14648	0.15016	2.47E-04	9.257E-06	2.9074E-07	1.678E-07	2.57E-04	3.03E-04	1.13E-05	2.87E-07	9.39E-08	3.14E-04	2.67E-04	8.726E-06	2.786E-07	9.7E-08	0.0002759
4351 484363.09, 3857377.25	0.15626	0.11497	0.15864	0.17777	0.18975	2.94E-04	1.009E-05	3.5284E-07	2.12E-07	3.04E-04	3.60E-04	1.24E-05	3.48E-07	1.19E-07	3.73E-04	3.17E-04	9.508E-06	3.382E-07	1.226E-07	0.0003272
4352 484863.09, 3857377.25	0.19018	0.13947	0.19368	0.2178	0.24259	3.57E-04	1.224E-05	4.3229E-07	2.71E-07	3.70E-04	4.38E-04	1.50E-05	4.27E-07	1.52E-07	4.54E-04	3.86E-04	1.153E-05	4.143E-07	1.567E-07	0.0003982
4353 485363.09, 3857377.25	0.23851	0.18171	0.24506	0.27406	0.31687	4.48E-04	1.594E-05	5.4396E-07	3.54E-07	4.65E-04	5.49E-04	1.95E-05	5.37E-07	1.98E-07	5.70E-04	4.84E-04	1.503E-05	5.213E-07	2.047E-07	0.0005
4354 485863.09, 3857377.25	0.31773	0.27543	0.3311	0.36074	0.43626	5.97E-04	2.416E-05	7.16E-07	4.874E-07	6.22E-04	7.32E-04	2.96E-05	7.07E-07	2.73E-07	7.62E-04	6.45E-04	2.278E-05	6.862E-07	2.818E-07	0.0006689
4355 486363.09, 3857377.25	0.51617	0.59441	0.53593	0.55808	0.64807	9.70E-04	5.215E-05	1.1077E-06	7.241E-07	1.02E-03	1.19E-03	6.39E-05	1.09E-06	4.05E-07	1.25E-03	1.05E-03	4.916E-05	1.062E-06	4.186E-07	0.0010987
4356 486863.09, 3857377.25	1.61622	3.19353	1.35099	1.0088	0.72599	3.04E-03	0.0002802	2.0023E-06	8.112E-07	3.32E-03	3.72E-03	3.43E-04	1.98E-06	4.54E-07	4.07E-03	3.28E-03	0.0002641	1.919E-06	4.69E-07	0.003548
4357 487363.09, 3857377.25	2.39137	19.38069	4.57778	1.93059	3.68892	4.49E-03	0.0017002	3.8319E-06	4.122E-06	6.20E-03	5.51E-03	2.08E-03	3.78E-06	2.31E-06	7.60E-03	4.86E-03	0.0016028	3.672E-06	2.383E-06	0.0064642
4358 487863.09, 3857377.25	1.08055	4.38827	1.71431	1.25496	1.80019	2.03E-03	0.000385	2.4909E-06	2.011E-06	2.42E-03	2.49E-03	4.72E-04	2.46E-06	1.13E-06	2.96E-03	2.19E-03	0.0003629	2.387E-06	1.163E-06	0.0025604
4359 488363.09, 3857377.25	0.74872	1.9572	1.09372	0.78524	1.26322	1.41E-03	0.0001717	1.5586E-06	1.411E-06	1.58E-03	1.72E-03	2.10E-04	1.54E-06	7.90E-07	1.94E-03	1.52E-03	0.0001619	1.494E-06	8.16E-07	0.0016844
4360 488863.09, 3857377.25	0.5672	1.15835	0.77952	0.57068	0.95328	1.07E-03	0.0001016	1.1327E-06	1.065E-06	1.17E-03	1.31E-03	1.25E-04	1.12E-06	5.96E-07	1.43E-03	1.15E-03	9.579E-05	1.086E-06	6.158E-07	0.0012491
4361 489363.09, 3857377.25	0.45294	0.79425	0.59502	0.44881	0.73671	8.51E-04	6.968E-05	8.908E-07	8.231E-07	9.23E-04	1.04E-03	8.54E-05	8.79E-07	4.61E-07	1.13E-03	9.20E-04	6.568E-05	8.537E-07	4.759E-07	0.0009867
4362 489863.09, 3857377.25	0.37593	0.59545	0.48035	0.3715	0.57279	7.06E-04	5.224E-05	7.3736E-07	6.4E-07	7.60E-04	8.66E-04	6.40E-05	7.28E-07	3.58E-07	9.31E-04	7.63E-04	4.924E-05	7.067E-07	3.7E-07	0.0008136
4363 490363.09, 3857377.25	0.3186	0.46704	0.39786	0.31493	0.45648	5.99E-04	4.097E-05	6.2508E-07	5.1E-07	6.41E-04	7.34E-04	5.02E-05	6.17E-07	2.86E-07	7.85E-04	6.47E-04	3.862E-05	5.991E-07	2.949E-07	0.0006864
4364 490863.09, 3857377.25	0.27488	0.37858	0.33588	0.27144	0.3736	5.17E-04	3.321E-05	5.3876E-07	4.174E-07	5.51E-04	6.33E-04	4.07E-05	5.32E-07	2.34E-07	6.74E-04	5.58E-04	3.131E-05	5.163E-07	2.413E-07	0.0005902
4365 491363.09, 3857377.25	0.24017	0.31493	0.28837	0.23736	0.31224	4.51E-04	2.763E-05	4.7112E-07	3.489E-07	4.80E-04	5.53E-04	3.39E-05	4.65E-07	1.95E-07	5.88E-04	4.88E-04	2.604E-05	4.515E-07	2.017E-07	0.0005143
4366 491863.09, 3857377.25	0.21059	0.2651	0.24958	0.21137	0.25124	3.96E-04	2.326E-05	4.1953E-07	2.807E-07	4.20E-04	4.85E-04	2.85E-05	4.14E-07	1.57E-07	5.14E-04	4.28E-04	2.192E-05	4.021E-07	1.623E-07	0.0004501
4367 492363.09, 3857377.25	0.16459	0.19992	0.1968	0.17161	0.16662	3.09E-04	1.754E-05	3.4061E-07	1.862E-07	3.27E-04	3.79E-04	2.15E-05	3.36E-07	1.04E-07	4.01E-04	3.34E-04	1.653E-05	3.264E-07	1.076E-07	0.0003511
4368 492863.09, 3857377.25	0.11416	0.13318	0.13363	0.11942	0.11294	2.15E-04	1.168E-05	2.3703E-07	1.262E-07	2.27E-04	2.63E-04	1.43E-05	2.34E-07	7.06E-08	2.78E-04	2.32E-04	1.101E-05	2.272E-07	7.296E-08	0.0002431
4369 493363.09, 3857377.25	0.07626	0.08703	0.08699	0.07923	0.07884	1.43E-04	7.635E-06	1.5726E-07	8.809E-08	1.51E-04	1.76E-04	9.36E-06	1.55E-07	4.93E-08	1.85E-04	1.55E-04	7.197E-06	1.507E-07	5.093E-08	0.0001622
4370 493863.09, 3857377.25	0.0616	0.0694	0.06922	0.06351	0.06464	1.16E-04	6.088E-06	1.2606E-07	7.222E-08	1.22E-04	1.42E-04	7.46E-06	1.24E-07	4.04E-08	1.49E-04	1.25E-04	5.739E-06	1.208E-07	4.176E-08	0.000131
4371 494363.09, 3857377.25	0.04899	0.0547	0.05423	0.04978	0.0523	9.21E-05	4.799E-06	9.8804E-08	5.844E-08	9.70E-05	1.13E-04	5.88E-06	9.75E-08	3.27E-08	1.19E-04	9.95E-05	4.524E-06	9.469E-08	3.378E-08	0.0001041
4372 494863.09, 3857377.25	0.04302	0.04776	0.04725	0.04354	0.04597	8.08E-05	4.19E-06	8.6419E-08	5.136E-08	8.52E-05	9.91E-05	5.13E-06	8.53E-08	2.88E-08	1.04E-04	8.73E-05	3.95E-06	8.282E-08	2.97E-08	9.141E-05
4373 495363.09, 3857377.25	0.03847	0.04248	0.042	0.039	0.04115	7.23E-05	3.727E-06	7.7408E-08	4.598E-08	7.61E-05	8.86E-05	4.57E-06	7.64E-08	2.57E-08	9.33E-05	7.81E-05	3.513E-06	7.419E-08	2.658E-08	8.172E-05
4374 495863.09, 3857377.25	0.03676	0.04039	0.04003	0.03726	0.03882	6.91E-05	3.543E-06	7.3954E-08	4.337E-08	7.27E-05	8.47E-05	4.34E-06	7.30E-08	2.43E-08	8.91E-05	7.46E-05	3.34E-06	7.088E-08	2.508E-08	7.807E-05
4375 496363.09, 3857377.25	0.0358	0.03916	0.03894	0.03633	0.03725	6.73E-05	3.435E-06	7.2108E-08	4.162E-08	7.08E-05	8.24E-05	4.21E-06	7.12E-08	2.33E-08	8.67E-05	7.27E-05	3.238E-06	6.911E-08	2.406E-08	7.602E-05
4376 496863.09, 3857377.25	0.03543	0.03861	0.03852	0.03587	0.03621	6.66E-05	3.387E-06	7.1195E-08	4.046E-08	7.01E-05	8.16E-05	4.15E-06	7.03E-08	2.26E-08	8.58E-05	7.19E-05	3.193E-06	6.823E-08	2.339E-08	7.522E-05
4377 497363.09, 3857377.25	0.03686	0.04013	0.04017	0.03762	0.03691	6.93E-05	3.52E-06	7.4669E-08	4.124E-08	7.29E-05	8.49E-05	4.31E-06	7.37E-08	2.31E-08	8.93E-05	7.48E-05	3.319E-06	7.156E-08	2.384E-08	7.825E-05
4378 497863.09, 3857377.25	0.03976	0.04335	0.0435	0.04058	0.03872	7.47E-05	3.803E-06	8.0544E-08	4.326E-08	7.86E-05	9.16E-05	4.66E-06	7.95E-08	2.42E-08	9.63E-05	8.07E-05	3.585E-06	7.719E-08	2.501E-08	8.442E-05
4379 498363.09, 3857377.25	0.04808	0.05257	0.05302	0.04935	0.04523	9.04E-05	4.612E-06	9.7951E-08	5.054E-08	9.51E-05	1.11E-04	5.65E-06	9.67E-08	2.83E-08	1.16E-04	9.76E-05	4.347E-06	9.388E-08	2.922E-08	0.0001021
4380 471363.09, 3857877.25	0.00941	0.00833	0.00917	0.0095	0.00691	1.77E-05	7.308E-07	1.8856E-08	7.721E-09	1.84E-05	2.17E-05	8.95E-07	1.86E-08	4.32E-09	2.26E-05	1.91E-05	6.889E-07	1.807E-08	4.464E-09	1.982E-05
4381 471863.09, 3857877.25	0.00983	0.00871	0.00958	0.00992	0.00708	1.85E-05	7.641E-07	1.9689E-08	7.911E-09	1.93E-05	2.26E-05	9.36E-07	1.94E-08	4.43E-09	2.36E-05	2.00E-05	7.203E-07	1.887E-08	4.573E-09	2.07E-05
4382 472363.09, 3857877.25	0.01044	0.00929	0.01015	0.0105	0.00745	1.96E-05	8.15E-07	2.0841E-08	8.324E-09	2.05E-05	2.40E-05	9.99E-07	2.06E-08	4.66E-09	2.51E-05	2.12E-05	7.683E-07	1.997E-08	4.812E-09	2.199E-05
4383 472863.09, 3857877.25	0.01134	0.0102	0.01098	0.01134	0.00818	2.13E-05	8.948E-07	2.2508E-08	9.14E-09	2.22E-05	2.61E-05	1.10E-06	2.22E-08	5.12E-09	2.72E-05	2.30E-05	8.435E-07	2.157E-08	5.284E-09	2.389E-05
4384 473363.09, 3857877.25	0.0121	0.01103	0.0117	0.01206	0.00862	2.27E-05	9.676E-07	2.3937E-08	9.631E-09	2.37E-05	2.79E-05	1.19E-06	2.36E-08	5.39E-09	2.91E-05	2.46E-05	9.122E-07	2.294E-08	5.568E-09	2.551E-05
4385 473863.09, 3857877.25	0.01317	0.01218	0.01267	0.01304	0.00939	2.47E-05	1.069E-06	2.5882E-08	1.049E-08	2.59E-05	3.03E-05	1.31E-06	2.55E-08	5.87E-09	3.17E-05	2.67E-05	1.007E-06	2.481E-08	6.066E-09	2.778E-05
4386 474363.09, 3857877.25	0.01286	0.0122	0.01251	0.0129	0.00824	2.42E-05	1.07E-06	2.5604E-08	9.207E-09	2.53E-05	2.96E-05	1.31E-06	2.53E-08	5.15E-09	3.10E-05	2.61E-05	1.009E-06	2.454E-08	5.323E-09	2.715E-05
4387 474863.09, 3857877.25	0.01016	0.0099	0.01002	0.01045	0.00593	1.91E-05	8.685E-07	2.0741E-08	6.626E-09	2.00E-05	2.34E-05	1.06E-06	2.05E-08	3.71E-09	2.45E-05	2.06E-05	8.187E-07	1.988E-08	3.831E-09	2.147E-05
4388 475363.09, 3857877.25	0.0056	0.00556	0.00556	0.00583	0.00375	1.05E-05	4.878E-07	1.1571E-08	4.19E-09	1.10E-05	1.29E-05	5.98E-07	1.14E-08	2.35E-09	1.35E-05	1.14E-05	4.598E-07	1.109E-08	2.422E-09	1.184E-05
4389 475863.09, 3857877.25	0.00249	0.00243	0.00248	0.00253	0.0022	4.68E-06	2.132E-07	5.0216E-09	2.458E-09	4.90E-06	5.73E-06	2.61E-07	4.96E-09	1.38E-09	6.00E-06	5.06E-06	2.01E-07	4.813E-09	1.421E-09	5.263E-06
4390 476363.09, 3857877.25	0.0065	0.00643	0.00644	0.00682	0.00426	1.22E-05	5.641E-07	1.3536E-08	4.76E-09	1.28E-05	1.50E-05	6.91E-07	1.34E-08	2.66E-09	1.57E-05	1.32E-05	5.318E-07	1.297E-08	2.752E-09	1.374E-05
4391 476863.09, 3857877.25	0.00834	0.00807	0.00828	0.00869	0.00512	1.57E-05	7.08E-07	1.7248E-08	5.721E-09	1.64E-05	1.92E-05	8.68E-07	1.70E-08	3.20E-09	2.01E-05	1.69E-05	6.674E-07	1.653E-08	3.307E-09	1.762E-05
4392 477363.09, 3857877.25	0.00819	0.00779	0.00811	0.0086	0.00511	1.54E-05	6.834E-07	1.7069E-08	5.709E-09	1.61E-05	1.89E-05	8.37E-07	1.68E-08	3.20E-09	1.97E-05	1.66E-05	6.442E-07	1.636E-08	3.301E-09	1.729E-05
4393 477863.09, 3857877.25	0.0079	0.00764	0.0078	0.00819	0.00504	1.48E-05	6.702E-07	1.6256E-08	5.631E-09	1.55E-05	1.82E-05	8.21E-07	1.60E-08	3.15E-09	1.90E-05	1.60E-05	6.318E-07	1.558E-08	3.256E-09	1.669E-05
4394 478363.09, 3857877.25	0.00419	0.00418	0.00411	0.00422	0.00333	7.87E-06	3.667E-07	8.3759E-09	3.721E-09	8.25E-06	9.65E-06	4.49E-07	8.27E-09	2.08E-09	1.01E-05	8.51E-06	3.457E-07	8.028E-09	2.151E-09	8.863E-06
4395 478863.09, 3857877.25	0.00342	0.00338	0.00335	0.00342	0.00289	6.43E-06	2.965E-07	6.7881E-09	3.229E-09	6.73E-06	7.88E-06	3.63E-07	6.70E-09	1.81E-09	8.25E-06	6.94E-06	2.795E-07	6.506E-09	1.867E-09	7.232E-06
4396 479363.09, 3857877.25	0.02038	0.02048	0.02064	0.02198	0.0102	3.83E-05	1.797E-06	4.3626E-08	1.14E-08	4.01E-05	4.69E-05	2.20E-06	4.31E-08	6.38E-09	4.92E-05	4.14E-05	1.694E-06	4.181E-08	6.589E-09	4.312E-05

4397	479863.09, 3857877.25	0.03684	0.03375	0.03755	0.0392	0.02172	6.92E-05	2.961E-06	7.7805E-08	2.427E-08	7.23E-05	8.48E-05	3.63E-06	7.68E-08	1.36E-08	8.86E-05	7.48E-05	2.791E-06	7.457E-08	1.403E-08	7.768E-05
4398	480363.09, 3857877.25	0.04431	0.04047	0.04464	0.04652	0.03033	8.33E-05	3.55E-06	9.2334E-08	3.389E-08	8.69E-05	1.02E-04	4.35E-06	9.11E-08	1.90E-08	1.06E-04	9.00E-05	3.347E-06	8.849E-08	1.959E-08	9.342E-05
4399	480863.09, 3857877.25	0.0501	0.04602	0.0504	0.05267	0.03449	9.41E-05	4.037E-06	1.0454E-07	3.854E-08	9.83E-05	1.15E-04	4.95E-06	1.03E-07	2.16E-08	1.20E-04	1.02E-04	3.806E-06	1.002E-07	2.228E-08	0.0001057
4400	481363.09, 3857877.25	0.05696	0.05204	0.05745	0.06006	0.03982	1.07E-04	4.565E-06	1.1921E-07	4.449E-08	1.12E-04	1.31E-04	5.59E-06	1.18E-07	2.49E-08	1.37E-04	1.16E-04	4.304E-06	1.142E-07	2.572E-08	0.0001201
4401	481863.09, 3857877.25	0.06627	0.06212	0.06713	0.06969	0.04895	1.25E-04	5.45E-06	1.3832E-07	5.469E-08	1.30E-04	1.53E-04	6.68E-06	1.37E-07	3.06E-08	1.59E-04	1.35E-04	5.137E-06	1.326E-07	3.162E-08	0.0001399
4402	482363.09, 3857877.25	0.07672	0.07157	0.07696	0.08084	0.06716	1.44E-04	6.279E-06	1.6045E-07	7.504E-08	1.51E-04	1.77E-04	7.69E-06	1.58E-07	4.20E-08	1.85E-04	1.56E-04	5.919E-06	1.538E-07	4.338E-08	0.0001619
4403	482863.09, 3857877.25	0.08217	0.07513	0.08194	0.08748	0.08611	1.54E-04	6.591E-06	1.7363E-07	9.621E-08	1.61E-04	1.89E-04	8.08E-06	1.71E-07	5.39E-08	1.98E-04	1.67E-04	6.213E-06	1.664E-07	5.562E-08	0.0001733
4404	483363.09, 3857877.25	0.09319	0.08046	0.0937	0.10072	0.10312	1.75E-04	7.058E-06	1.9991E-07	1.152E-07	1.82E-04	2.15E-04	8.65E-06	1.97E-07	6.45E-08	2.24E-04	1.89E-04	6.654E-06	1.916E-07	6.661E-08	0.0001961
4405	483863.09, 3857877.25	0.10734	0.08991	0.1083	0.11749	0.124	2.02E-04	7.888E-06	2.332E-07	1.385E-07	2.10E-04	2.47E-04	9.67E-06	2.30E-07	7.76E-08	2.57E-04	2.18E-04	7.435E-06	2.235E-07	8.01E-08	0.0002257
4406	484363.09, 3857877.25	0.12358	0.0994	0.12464	0.13638	0.15007	2.32E-04	8.72E-06	2.7069E-07	1.677E-07	2.41E-04	2.85E-04	1.07E-05	2.67E-07	9.39E-08	2.96E-04	2.51E-04	8.22E-06	2.594E-07	9.694E-08	0.0002595
4407	484863.09, 3857877.25	0.14393	0.12143	0.14535	0.15767	0.18236	2.70E-04	1.065E-05	3.1295E-07	2.038E-07	2.82E-04	3.31E-04	1.31E-05	3.09E-07	1.14E-07	3.45E-04	2.92E-04	1.004E-05	2.999E-07	1.178E-07	0.0003027
4408	485363.09, 3857877.25	0.16982	0.16371	0.17272	0.1821	0.22348	3.19E-04	1.436E-05	3.6143E-07	2.497E-07	3.34E-04	3.91E-04	1.76E-05	3.57E-07	1.40E-07	4.09E-04	3.45E-04	1.354E-05	3.464E-07	1.444E-07	0.0003588
4409	485863.09, 3857877.25	0.20616	0.23536	0.21115	0.20865	0.28427	3.87E-04	2.065E-05	4.1413E-07	3.176E-07	4.09E-04	4.75E-04	2.53E-05	4.09E-07	1.78E-07	5.01E-04	4.19E-04	1.946E-05	3.969E-07	1.836E-07	0.0004386
4410	486363.09, 3857877.25	0.26286	0.35198	0.27195	0.24096	0.37855	4.94E-04	3.088E-05	4.7826E-07	4.23E-07	5.26E-04	6.05E-04	3.78E-05	4.72E-07	2.37E-07	6.44E-04	5.34E-04	2.911E-05	4.584E-07	2.445E-07	0.0005635
4411	486863.09, 3857877.25	0.37589	0.57072	0.38762	0.26643	0.57266	7.06E-04	5.007E-05	5.2881E-07	6.398E-07	7.58E-04	8.66E-04	6.14E-05	5.22E-07	3.58E-07	9.28E-04	7.63E-04	4.72E-05	5.068E-07	3.699E-07	0.0008113
4412	487363.09, 3857877.25	0.88276	0.6676	0.7195	0.32707	1.15832	1.66E-03	5.857E-05	6.4917E-07	1.294E-06	1.72E-03	2.03E-03	7.18E-05	6.41E-07	7.24E-07	2.11E-03	1.79E-03	5.521E-05	6.222E-07	7.482E-07	0.0018489
4413	487863.09, 3857877.25	1.46335	0.81542	1.46832	0.37087	4.92996	2.75E-03	7.153E-05	7.3611E-07	5.508E-06	2.83E-03	3.37E-03	8.77E-05	7.27E-07	3.08E-06	3.46E-03	2.97E-03	6.743E-05	7.055E-07	3.185E-06	0.0030425
4414	488363.09, 3857877.25	0.72284	0.7742	0.78432	0.36265	2.08816	1.36E-03	6.792E-05	7.1979E-07	2.333E-06	1.43E-03	1.66E-03	8.32E-05	7.10E-07	1.31E-06	1.75E-03	1.47E-03	6.403E-05	6.899E-07	1.349E-06	0.0015337
4415	488863.09, 3857877.25	0.51048	0.63926	0.55641	0.32476	1.10769	9.59E-04	5.608E-05	6.4459E-07	1.238E-06	1.02E-03	1.18E-03	6.87E-05	6.36E-07	6.93E-07	1.25E-03	1.04E-03	5.287E-05	6.178E-07	7.155E-07	0.0010907
4416	489363.09, 3857877.25	0.40693	0.53699	0.44746	0.29253	0.72603	7.65E-04	4.711E-05	5.8062E-07	8.112E-07	8.13E-04	9.37E-04	5.77E-05	5.73E-07	4.54E-07	9.96E-04	8.26E-04	4.441E-05	5.565E-07	4.69E-07	0.0008717
4417	489863.09, 3857877.25	0.33852	0.45037	0.37473	0.26217	0.53043	6.36E-04	3.951E-05	5.2036E-07	5.927E-07	6.77E-04	7.80E-04	4.84E-05	5.14E-07	3.32E-07	8.29E-04	6.87E-04	3.725E-05	4.987E-07	3.426E-07	0.0007254
4418	490363.09, 3857877.25	0.28833	0.37513	0.31783	0.23384	0.41748	5.42E-04	3.291E-05	4.6413E-07	4.665E-07	5.76E-04	6.64E-04	4.03E-05	4.58E-07	2.61E-07	7.05E-04	5.85E-04	3.102E-05	4.448E-07	2.697E-07	0.0006172
4419	490863.09, 3857877.25	0.2492	0.31615	0.275	0.21005	0.34072	4.68E-04	2.773E-05	4.1691E-07	3.807E-07	4.97E-04	5.74E-04	3.40E-05	4.11E-07	2.13E-07	6.08E-04	5.06E-04	2.615E-05	3.996E-07	2.201E-07	0.0005327
4420	491363.09, 3857877.25	0.21558	0.26978	0.24217	0.19062	0.26971	4.05E-04	2.367E-05	3.7835E-07	3.014E-07	4.29E-04	4.96E-04	2.90E-05	3.73E-07	1.69E-07	5.26E-04	4.38E-04	2.231E-05	3.626E-07	1.742E-07	0.0004606
4421	491863.09, 3857877.25	0.18368	0.22521	0.20909	0.17199	0.20432	3.45E-04	1.976E-05	3.4137E-07	2.283E-07	3.65E-04	4.23E-04	2.42E-05	3.37E-07	1.28E-07	4.48E-04	3.73E-04	1.862E-05	3.272E-07	1.32E-07	0.000392
4422	492363.09, 3857877.25	0.13324	0.15775	0.15402	0.13109	0.13121	2.50E-04	1.384E-05	2.6019E-07	1.466E-07	2.65E-04	3.07E-04	1.70E-05	2.57E-07	8.21E-08	3.24E-04	2.71E-04	1.305E-05	2.494E-07	8.476E-08	0.0002839
4423	492863.09, 3857877.25	0.08932	0.10176	0.10048	0.08779	0.08956	1.68E-04	8.927E-06	1.7425E-07	1.001E-07	1.77E-04	2.06E-04	1.09E-05	1.72E-07	5.60E-08	2.17E-04	1.81E-04	8.415E-06	1.67E-07	5.785E-08	0.00019
4424	493363.09, 3857877.25	0.0718	0.08024	0.07976	0.07086	0.07307	1.35E-04	7.039E-06	1.4064E-07	8.164E-08	1.42E-04	1.65E-04	8.63E-06	1.39E-07	4.57E-08	1.74E-04	1.46E-04	6.636E-06	1.348E-07	4.72E-08	0.0001526
4425	493863.09, 3857877.25	0.06254	0.06886	0.06903	0.06204	0.06389	1.18E-04	6.041E-06	1.2314E-07	7.139E-08	1.24E-04	1.44E-04	7.40E-06	1.22E-07	4.00E-08	1.52E-04	1.27E-04	5.695E-06	1.18E-07	4.127E-08	0.0001328
4426	494363.09, 3857877.25	0.05597	0.06088	0.06156	0.05587	0.05723	1.05E-04	5.341E-06	1.1089E-07	6.394E-08	1.11E-04	1.29E-04	6.54E-06	1.09E-07	3.58E-08	1.36E-04	1.14E-04	5.035E-06	1.063E-07	3.697E-08	0.0001188
4427	494863.09, 3857877.25	0.04701	0.05065	0.05127	0.04677	0.04864	8.83E-05	4.443E-06	9.283E-08	5.435E-08	9.29E-05	1.08E-04	5.44E-06	9.16E-08	3.04E-08	1.14E-04	9.54E-05	4.189E-06	8.897E-08	3.142E-08	9.976E-05
4428	495363.09, 3857877.25	0.04356	0.04674	0.04743	0.04349	0.04483	8.19E-05	4.1E-06	8.632E-08	5.009E-08	8.61E-05	1.00E-04	5.02E-06	8.52E-08	2.80E-08	1.05E-04	8.84E-05	3.865E-06	8.273E-08	2.896E-08	9.242E-05
4429	495863.09, 3857877.25	0.04066	0.04359	0.04418	0.04073	0.04158	7.64E-05	3.824E-06	8.0842E-08	4.646E-08	8.04E-05	9.36E-05	4.69E-06	7.98E-08	2.60E-08	9.84E-05	8.26E-05	3.605E-06	7.748E-08	2.686E-08	8.626E-05
4430	496363.09, 3857877.25	0.0404	0.04344	0.044	0.04085	0.04075	7.59E-05	3.811E-06	8.108E-08	4.553E-08	7.99E-05	9.30E-05	4.67E-06	8.00E-08	2.55E-08	9.78E-05	8.20E-05	3.592E-06	7.771E-08	2.632E-08	8.572E-05
4431	496863.09, 3857877.25	0.04024	0.04341	0.04383	0.04062	0.03983	7.56E-05	3.808E-06	8.0623E-08	4.45E-08	7.96E-05	9.27E-05	4.67E-06	7.96E-08	2.49E-08	9.74E-05	8.17E-05	3.59E-06	7.727E-08	2.573E-08	8.54E-05
4432	497363.09, 3857877.25	0.03937	0.04253	0.04287	0.03979	0.03853	7.40E-05	3.731E-06	7.8976E-08	4.305E-08	7.78E-05	9.07E-05	4.57E-06	7.79E-08	2.41E-08	9.53E-05	7.99E-05	3.517E-06	7.569E-08	2.489E-08	8.355E-05
4433	497863.09, 3857877.25	0.04463	0.04852	0.04889	0.04532	0.04235	8.39E-05	4.257E-06	8.9952E-08	4.732E-08	8.83E-05	1.03E-04	5.22E-06	8.88E-08	2.65E-08	1.08E-04	9.06E-05	4.013E-06	8.621E-08	2.736E-08	9.474E-05
4434	498363.09, 3857877.25	0.04963	0.05414	0.05467	0.05066	0.0465	9.33E-05	4.75E-06	1.0055E-07	5.196E-08	9.82E-05	1.14E-04	5.82E-06	9.92E-08	2.91E-08	1.20E-04	1.01E-04	4.477E-06	9.637E-08	3.004E-08	0.0001054
4435	471363.09, 3858377.25	0.00966	0.0092	0.00939	0.00969	0.00717	1.82E-05	8.071E-07	1.9233E-08	8.011E-09	1.90E-05	2.22E-05	9.89E-07	1.90E-08	4.48E-09	2.33E-05	1.96E-05	7.608E-07	1.843E-08	4.632E-09	2.04E-05
4436	471863.09, 3858377.25	0.01012	0.00981	0.00985	0.01015	0.00735	1.90E-05	8.606E-07	2.0146E-08	8.212E-09	1.99E-05	2.33E-05	1.05E-06	1.99E-08	4.60E-09	2.44E-05	2.05E-05	8.113E-07	1.931E-08	4.748E-09	2.138E-05
4437	472363.09, 3858377.25	0.01065	0.01051	0.01038	0.01067	0.00755	2.00E-05	9.22E-07	2.1178E-08	8.436E-09	2.10E-05	2.45E-05	1.13E-06	2.09E-08	4.72E-09	2.57E-05	2.16E-05	8.692E-07	2.03E-08	4.877E-09	2.252E-05
4438	472863.09, 3858377.25	0.01146	0.01152	0.01115	0.01141	0.00811	2.15E-05	1.011E-06	2.2647E-08	9.061E-09	2.26E-05	2.64E-05	1.24E-06	2.24E-08	5.07E-09	2.77E-05	2.33E-05	9.527E-07	2.17E-08	5.239E-09	2.425E-05
4439	473363.09, 3858377.25	0.01272	0.01303	0.01231	0.01253	0.00935	2.39E-05	1.143E-06	2.487E-08	1.045E-08	2.51E-05	2.93E-05	1.40E-06	2.45E-08	5.85E-09	3.07E-05	2.58E-05	1.078E-06	2.384E-08	6.04E-09	2.693E-05
4440	473863.09, 3858377.25	0.01327	0.01395	0.01293	0.01313	0.00923	2.49E-05	1.224E-06	2.6061E-08	1.031E-08	2.62E-05	3.06E-05	1.50E-06	2.57E-08	5.77E-09	3.21E-05	2.69E-05	1.154E-06	2.498E-08	5.962E-09	2.813E-05
4441	474363.09, 3858377.25	0.0126	0.01352	0.01246	0.01272	0.00774	2.37E-05	1.186E-06	2.5247E-08	8.648E-09	2.49E-05	2.90E-05	1.45E-06	2.49E-08	4.84E-09	3.05E-05	2.56E-05	1.118E-06	2.42E-08	5E-09	2.673E-05
4442	474863.09, 3858377.25	0.01061	0.01123	0.01061	0.01103	0.00603	1.99E-05	9.852E-07	2.1893E-08	6.737E-09	2.10E-05	2.44E-05	1.21E-06	2.16E-08	3.77E-09	2.57E-05	2.15E-05	9.287E-07	2.098E-08	3.895E-09	2.25E-05
4443	475363.09, 3858377.25	0.00705	0.00709	0.00705	0.00742	0.00428	1.32E-05	6.22E-07	1.4727E-08	4.782E-09	1.39E-05	1.62E-05	7.62E-07	1.45E-08	2.68E-09	1.70E-05	1.43E-05	5.863E-07	1.411E-08	2.765E-09	1.492E-05
4444	475863.09, 3858377.25	0.00489	0.00473	0.00485	0.0051	0.00337	9.19E-06	4.149E-07	1.0123E-08	3.765E-09	9.62E-06	1.13E-05	5.08E-07	9.99E-09	2.11E-09	1.18E-05	9.93E-06	3.912E-07	9.701E-09	2.177E-09	1.033E-05
4445	476363.09, 3858377.25	0.00541	0.00517	0.00534	0.00562	0.00364	1.02E-05	4.535E-07	1.1155E-08	4.067E-09	1.06E-05	1.25E-05	5.56E-07	1.10E-08	2.28E-09	1.30E-05	1.10E-05	4.276E-07	1.069E-08	2.351E-09	1.142E-05
4446	476863.09, 3858377.25	0.00611	0.00595	0.00601	0.00618	0.00395	1.15E-05	5.22E-07	1.2266E-08	4.413E-09	1.20E-05	1.41E-05	6.40E-07	1.21E-08	2.47E-09	1.47E-05	1.24E-05	4.921E-07	1.176E-08	2.552E-09	1.291E-05
4447	477363.09, 3858377.25	0.00578	0.00583	0.00567	0.0059	0.00384	1.09E-05	5.114E-07	1.171E-08	4.29E-09	1.14E-05	1.33E-05	6.27E-07	1.16E-08	2.40E-09	1.40E-05	1.17E-05	4.821E-07	1.122E-08	2.481E-09	1.223E-05
4448	477863.09, 3858377.25	0.00818	0.0086	0.00812	0.00851	0.00487	1.54E-05	7.545E-07	1.6891E-08	5.441E-09	1.61E-05	1.88E-05	9.25E-07	1.67E-08	3.05E-09	1.98E-05	1.66E-05	7.112E-07	1.619E-08	3.146E-09	1.734E-05
4449	478363.09, 3858377.25	0.00894	0.00916	0.00895	0.00942	0.00528	1.68E-05	8.036E-07	1.8697E-08	5.899E-09	1.76E-05	2.06E-05	9.85E-07	1.85E-08	3.30E-09	2.16E-05	1.82E-05	7.575E-07	1.792E-08	3.411E-09	1.893E-05
4450	478863.09, 3858377.25	0.0058	0.00568	0.00573	0.00603	0.00399	1.09E-05	4.983E-07	1.1968E-08	4.458E-09	1.14E-05	1.34E-05	6.11E-07	1.18E-08	2.50E-09	1.40E-05	1.18E-05	4.697E-07	1.147E-08	2.577E-09	1.226E-05
4451	479363.09, 3858377.25	0.0212	0.02088	0.02207	0.02257	0.0108	3.98E-05	1.832E-06	4.4797E-08	1.207E-08	4.17E-05	4.88E-05	2.24E-06	4.42E-08	6.75E-09	5.11E-05	4.30E-05	1.727E-06	4.293E-08	6.976E-09	4.482E-05
4452	479863.09, 3858377.25	0.03609	0.03419	0.03694	0.03785	0.02415	6.78E-05	2.999E-06	7.5125E-08	2.698E-08	7.09E-05	8.31E-05	3.68E-06	7.41E-08	1.51E-08	8.69E-05	7.33E-05	2.827E-06	7.2E-08	1.56E-08	7.619E-05
4453	480363.09, 3858377.25	0.04195	0.03833	0.04213	0.04365	0.03187	7.88E-05	3.363E-06	8.6637E-08	3.561E-08	8.23E-05	9.66E-05	4.12E-06	8.55E-08	1.99E-08	1.01E-04	8.52E-05	3.17E-06	8.303E-08	2.059E-08	8.845E-05
4454	480863.09, 3858377.25	0.04667	0.04195	0.04686	0.04854	0.03542	8.77E-05	3.68E-06	9.6343E-08	3.958E-08	9.15E-05	1.07E-04	4.51E-06	9.51E-08	2.22E-08	1.12E-04	9.48E-05	3.469E-06	9.234E-08	2.288E-08	9.834E-05
4455	481363.09, 3858377.25	0.05253	0.04844	0.05315	0.05469	0.0407	9.87E-05	4.249E-06	1.0855E-07	4.547E-08	1.03E-04	1.21E-04	5.21E-06	1.07E-07	2.55E-08	1.26E-04	1.07E-04	4.006E-06	1.04E-07	2.629E-08	0.0001108
4456	481863.09, 3858377.25	0.05922	0.05491	0.06027	0.06219	0.04503	1.11E-04	4.817E-06	1.2344E-07	5.031E-08	1.16E-04	1.36E-04	5.90E-06	1.22E-07	2.82E-08	1.42E-04	1.20E-04	4.541E-06	1.183E-07	2.909E-08	0.0001249
4457	482363.09, 3858377.25	0.06733	0.06327	0.06893	0.07144	0.0541	1.27E-04	5.55E-06	1.418E-07	6.045E-08	1.32E-04	1.55E-04	6.80E-06	1.40E-07	3.38E-08	1.62E-04	1.37E-04	5.232E-06	1.359E-07	3.495E-08	0.0001421
4458	482863.09, 3858377.25	0.07555	0.06839	0.07672	0.08075	0.07209	1.42E-04	6E-06	1.6027E-07	8.055E-08	1.48E-04	1.74E-04	7.35E-06	1.58E-07	4.51E-08	1.82E-04	1.53E-04	5.656E-06	1.536E-07	4.657E-08	0.0001593
4459	483363.09, 3858377.25	0.0803	0.07243	0.08097	0.08568	0.08896	1.51E-04	6.354E-06	1.7006E-07	9.94E-08	1.58E-04	1.85E-04	7.79E-06	1.68E-07	5.56E-08	1.93E-04	1.63E-04	5.99E-06	1.63E-07	5.747E-08	0.0001692
4460	483863.09, 3858377.25	0.08799	0.08025	0.08875	0.09412	0.10291	1.65E-04	7.04E-06	1.8681E-07	1.15E-07	1.73E-04	2.03E-04	8.63E-06	1.84E-07	6.44E-08	2.12E-04	1.79E-04	6.637E-06	1.79E-07	6.648E-08	0.0001855
4461	484363.09, 3858377.25	0.09916	0.09295	0.09997	0.10554	0.12067	1.86E-04	8.154E-06	2.0948E-07	1.348E-07	1.95E-04	2.28E-04	9.99E-06	2.07E-07	7.55E-08	2.39E-04	2.01E-04	7.687E-06	2.008E-07	7.795E-08	0.0002093
4462	484863.09, 3858377.25	0.11149	0.11127	0.11217	0.11553	0.14083	2.10E-04	9.761E-06	2.2931E-07	1.574E-07	2.20E-04	2.57E-04	1.20E-05	2.26E-07	8.81E-08	2.69E-04	2.26E-04	9.202E-06	2.198E-07	9.097E-08	0.0002359
4463	485363.09, 3858377.25	0.12598	0.12985	0.12637	0.12648	0.16348	2.37E-04	1.139E-05	2.5104E-07	1.827E-07	2.49E-04	2.90E-04	1.40E-05	2.48E-07	1.02E-07	3.04E-04	2.56E-04	1.074E-05	2.406E-07	1.056E-07	0.0002669
4464	485863.09, 3858377.25	0.14498	0.14882	0.14427	0.13833	0.19479	2.72E-04	1.306E-05	2.7456E-07	2.176E-07	2.86E-04	3.34E-04	1.60E-05	2.71E-07	1.22E-07	3.50E-04	2.94E-04	1.231E-05	2.631E-07	1.258E-07	0.0003071
4465	486363.09, 3858377.25	0.16882	0.20006	0.16533	0.14459	0.23537	3.17E-04	1.755E-05	2.8698E-07	2.63E-07	3.35E-04	3.89E-04	2.15E-05	2.83E-07	1.47E-07	4.11E-04	3.43E-04	1.654E-05	2.75E-07	1.52E-07	0.0003597
4466	486863.09, 3858377.25	0.20071	0.23355	0.18788	0.14732	0.29011	3.77E-04	2.049E-05	2.924E-07	3.241E-07	3.98E-04	4.62E-04	2.51E-05	2.89E-07	1.81E-07	4.88E-04	4.08E-04	1.931E-05	2.802E-07	1.874E-07	0.0004273
4467	487363.09, 3858377.25	0.25924	0.22105	0.21168	0.15382	0.3696	4.87E-04	1.939E-05	3.053E-07	4.13E-07	5.07E-04	5.97E-04	2.38E-05	3.01E-07	2.31E-07	6.21E-04	5.26E-04	1.828E-05	2.926E-07	2.387E-07	0.0005452
4468	487863.09, 3858377.25	0.44294	0.2489	0.22652	0.16271	0.47014	8.32E-04	2.184E-05	3.2295E-07	5.253E-07	8.55E-04	1.02E-03	2.68E-05	3.19E-07	2.94E-07	1.05E-03	8.99E-04	2.058E-05	3.095E-07	3.037E-07	0.0009205
4469	488363.09, 3858377.25	1.13697	0.26901	0.24335	0.16838	0.51478	2.14E-03	2.36E-05	3.342E-07	5.752E-07	2.16E-03	2.62E-03	2.89E-05	3.30E-07	3.22E-07	2.65E-03	2.31E-03	2.225E-05	3.203E-07	3.325E-07	0.0023314
4470	488863.09, 3858377.25	0.52049	0.2762	0.24675	0.16233	0.47946	9.78E-04	2.423E-05	3.222E-07	5.357E-07	1.00E-03	1.20E-03	2.97E-05	3.18E-07	3.00E-07	1.23E-03	1.06E-03	2.284E-05	3.088E-07	3.097E-07	0.0010803
4471	489363.09, 3858377.25	0.37551	0.28352	0.24749	0.17021	0.41342	7.06E-04	2.487E-05	3.3784E-07	4.619E-07	7.31E-04	8.65E-04	3.05E-05	3.33E-07	2.59E-07	8.96E-04	7.62E-04	2.345E-05	3.238E-07	2.671E-07	0.0007865
4472	489863.09, 3858377.25	0.3024	0.26649	0.23634	0.16969	0.35364	5.68E-04	2.338E-05	3.368E-07	3.951E-07	5.92E-04	6.96E-04	2.86E-05	3.32E-07	2.21E-07	7.26E-04	6.14E-04	2.204E-05	3.228E-07	2.284E-07	0.0006366
4473	490363.09, 3858377.25	0.25243	0.2476	0.22079	0.1629	0.30282	4.74E-04	2.172E-05	3.2333E-07	3.383E-07	4.97E-04	5.81E-04	2.66E-05	3.19E-07	1.89E-07	6.08E-04	5.13E-04	2.048E-05	3.099E-07	1.956E-07	0.0005335
4474	490863.09, 3858377.25	0.21592	0.22834	0.20352	0.15337	0.26019	4.06E-04	2.003E-05	3.0441E-07	2.907E-07	4.26E-04	4.97E-04	2.45E-05	3.00E-07	1.63E-07	5.22E-04	4.38E-04	1.888E-05	2.917E-07	1.681E-07	0.0004577
4475	491363.09, 3858377.25	0.18454	0.20901	0.18773	0.14413	0.21081	3.47E-04	1.834E-05	2.8607E-07	2.355E-07	3.66E-04	4.25E-04	2.25E-05	2.82E-07	1.32E-07	4.48E-04	3.75E-04	1.728E-05	2.742E-07	1.362E-07	0.0003924
4476	491863.09, 3858377.25	0.14557	0.17259	0.15904	0.12754	0.14335	2.74E-04	1.514E-05	2.5314E-07	1.602E-07	2.89E-04	3.35E-04	1.86E-05	2.50E-07	8.97E-08	3.54E-04	2.96E-04	1.427E-05	2.426E-07	9.26E-08	0.0003102

4477	492363.09, 3858377.25	0.09533	0.111	0.10467	0.08722	0.09042	1.79E-04	9.738E-06	1.7312E-07	1.01E-07	1.89E-04	2.20E-04	1.19E-05	1.71E-07	5.66E-08	2.32E-04	1.94E-04	9.18E-06	1.659E-07	5.841E-08	0.000203
4478	492863.09, 3858377.25	0.09826	0.11458	0.10945	0.09289	0.09262	1.85E-04	1.005E-05	1.8437E-07	1.035E-07	1.95E-04	2.26E-04	1.23E-05	1.82E-07	5.79E-08	2.39E-04	2.00E-04	9.476E-06	1.767E-07	5.983E-08	0.0002092
4479	493363.09, 3858377.25	0.08161	0.09314	0.09017	0.07804	0.07755	1.53E-04	8.171E-06	1.5489E-07	8.665E-08	1.62E-04	1.88E-04	1.00E-05	1.53E-07	4.85E-08	1.98E-04	1.66E-04	7.703E-06	1.485E-07	5.009E-08	0.0001736
4480	493863.09, 3858377.25	0.07263	0.0818	0.08004	0.07038	0.06925	1.36E-04	7.176E-06	1.3969E-07	7.737E-08	1.44E-04	1.67E-04	8.79E-06	1.38E-07	4.33E-08	1.76E-04	1.47E-04	6.765E-06	1.339E-07	4.473E-08	0.0001544
4481	494363.09, 3858377.25	0.06328	0.07025	0.06939	0.06183	0.06072	1.19E-04	6.163E-06	1.2272E-07	6.784E-08	1.25E-04	1.46E-04	7.55E-06	1.21E-07	3.80E-08	1.53E-04	1.28E-04	5.81E-06	1.176E-07	3.922E-08	0.0001344
4482	494863.09, 3858377.25	0.05589	0.06114	0.06102	0.05494	0.05398	1.05E-04	5.364E-06	1.0905E-07	6.031E-08	1.11E-04	1.29E-04	6.57E-06	1.08E-07	3.38E-08	1.35E-04	1.13E-04	5.056E-06	1.045E-07	3.487E-08	0.0001187
4483	495363.09, 3858377.25	0.04819	0.05191	0.05235	0.04754	0.04708	9.06E-05	4.554E-06	9.4358E-08	5.26E-08	9.53E-05	1.11E-04	5.58E-06	9.31E-08	2.94E-08	1.17E-04	9.78E-05	4.293E-06	9.043E-08	3.041E-08	0.0001023
4484	495863.09, 3858377.25	0.04628	0.04933	0.05036	0.04603	0.04504	8.70E-05	4.328E-06	9.1361E-08	5.032E-08	9.14E-05	1.07E-04	5.30E-06	9.02E-08	2.82E-08	1.12E-04	9.40E-05	4.08E-06	8.756E-08	2.909E-08	9.816E-05
4485	496363.09, 3858377.25	0.04408	0.04661	0.04801	0.04413	0.0428	8.28E-05	4.089E-06	8.759E-08	4.782E-08	8.71E-05	1.02E-04	5.01E-06	8.64E-08	2.68E-08	1.07E-04	8.95E-05	3.855E-06	8.395E-08	2.765E-08	9.347E-05
4486	496863.09, 3858377.25	0.04546	0.04796	0.04975	0.04588	0.04352	8.54E-05	4.207E-06	9.1063E-08	4.863E-08	8.98E-05	1.05E-04	5.16E-06	8.99E-08	2.72E-08	1.10E-04	9.23E-05	3.966E-06	8.728E-08	2.811E-08	9.638E-05
4487	497363.09, 3858377.25	0.04498	0.04749	0.04933	0.04578	0.04283	8.45E-05	4.166E-06	9.0865E-08	4.785E-08	8.88E-05	1.04E-04	5.11E-06	8.97E-08	2.68E-08	1.09E-04	9.13E-05	3.927E-06	8.709E-08	2.767E-08	9.537E-05
4488	497863.09, 3858377.25	0.04887	0.05198	0.05385	0.04975	0.04595	9.18E-05	4.56E-06	9.8745E-08	5.134E-08	9.65E-05	1.13E-04	5.59E-06	9.75E-08	2.87E-08	1.18E-04	9.92E-05	4.299E-06	9.464E-08	2.968E-08	0.0001036
4489	498363.09, 3858377.25	0.05356	0.05764	0.05915	0.05436	0.05095	1.01E-04	5.057E-06	1.0789E-07	5.693E-08	1.06E-04	1.23E-04	6.20E-06	1.06E-07	3.19E-08	1.30E-04	1.09E-04	4.767E-06	1.034E-07	3.291E-08	0.0001137
4490	471363.09, 3858877.25	0.00975	0.01029	0.0096	0.00964	0.00738	1.83E-05	9.027E-07	1.9134E-08	8.246E-09	1.93E-05	2.25E-05	1.11E-06	1.89E-08	4.62E-09	2.36E-05	1.98E-05	8.51E-07	1.834E-08	4.767E-09	2.067E-05
4491	471863.09, 3858877.25	0.01022	0.01101	0.0101	0.0101	0.00754	1.92E-05	9.659E-07	2.0047E-08	8.425E-09	2.02E-05	2.35E-05	1.18E-06	1.98E-08	4.72E-09	2.47E-05	2.08E-05	9.105E-07	1.921E-08	4.871E-09	2.169E-05
4492	472363.09, 3858877.25	0.01103	0.01206	0.01089	0.01086	0.00819	2.07E-05	1.058E-06	2.1555E-08	9.151E-09	2.18E-05	2.54E-05	1.30E-06	2.13E-08	5.12E-09	2.67E-05	2.24E-05	9.973E-07	2.066E-08	5.29E-09	2.342E-05
4493	472863.09, 3858877.25	0.01183	0.013	0.01168	0.01164	0.00877	2.22E-05	1.14E-06	2.3103E-08	9.799E-09	2.34E-05	2.72E-05	1.40E-06	2.28E-08	5.49E-09	2.87E-05	2.40E-05	1.075E-06	2.214E-08	5.665E-09	2.512E-05
4494	473363.09, 3858877.25	0.01286	0.01397	0.01268	0.01265	0.00987	2.42E-05	1.226E-06	2.5108E-08	1.103E-08	2.54E-05	2.96E-05	1.50E-06	2.48E-08	6.17E-09	3.11E-05	2.61E-05	1.155E-06	2.406E-08	6.376E-09	2.73E-05
4495	473863.09, 3858877.25	0.01344	0.01446	0.01334	0.01333	0.00991	2.53E-05	1.269E-06	2.6458E-08	1.107E-08	2.66E-05	3.09E-05	1.55E-06	2.61E-08	6.20E-09	3.25E-05	2.73E-05	1.196E-06	2.536E-08	6.402E-09	2.852E-05
4496	474363.09, 3858877.25	0.01312	0.01393	0.0132	0.01327	0.00863	2.47E-05	1.222E-06	2.6338E-08	9.642E-09	2.59E-05	3.02E-05	1.50E-06	2.60E-08	5.40E-09	3.17E-05	2.66E-05	1.152E-06	2.524E-08	5.575E-09	2.782E-05
4497	474863.09, 3858877.25	0.00676	0.00668	0.00681	0.0071	0.00408	1.27E-05	5.86E-07	1.4092E-08	4.559E-09	1.33E-05	1.56E-05	7.18E-07	1.39E-08	2.55E-09	1.63E-05	1.37E-05	5.524E-07	1.351E-08	2.636E-09	1.429E-05
4498	475363.09, 3858877.25	0.00484	0.00461	0.00478	0.00504	0.00321	9.10E-06	4.044E-07	1.0003E-08	3.587E-09	9.51E-06	1.11E-05	4.96E-07	9.87E-09	2.01E-09	1.17E-05	9.83E-06	3.812E-07	9.587E-09	2.074E-09	1.022E-05
4499	475863.09, 3858877.25	0.00571	0.00558	0.00564	0.00587	0.00361	1.07E-05	4.895E-07	1.1651E-08	4.034E-09	1.12E-05	1.31E-05	6.00E-07	1.15E-08	2.26E-09	1.38E-05	1.16E-05	4.615E-07	1.117E-08	2.332E-09	1.207E-05
4500	476363.09, 3858877.25	0.00343	0.00333	0.0033	0.00347	0.00254	6.45E-06	2.921E-07	6.8873E-09	2.838E-09	6.75E-06	7.90E-06	3.58E-07	6.80E-09	1.59E-09	8.27E-06	6.96E-06	2.754E-07	6.601E-09	1.641E-09	7.248E-06
4501	476863.09, 3858877.25	0.0045	0.00447	0.00436	0.00455	0.00304	8.46E-06	3.921E-07	9.0309E-09	3.397E-09	8.86E-06	1.04E-05	4.81E-07	8.91E-09	1.90E-09	1.09E-05	9.14E-06	3.697E-07	8.655E-09	1.964E-09	9.517E-06
4502	477363.09, 3858877.25	0.00467	0.00456	0.00452	0.00483	0.00319	8.78E-06	4E-07	9.5867E-09	3.564E-09	9.19E-06	1.08E-05	4.90E-07	9.46E-09	2.00E-09	1.13E-05	9.48E-06	3.771E-07	9.188E-09	2.061E-09	9.87E-06
4503	477863.09, 3858877.25	0.00605	0.00589	0.00598	0.00637	0.00387	1.14E-05	5.167E-07	1.2643E-08	4.324E-09	1.19E-05	1.39E-05	6.33E-07	1.25E-08	2.42E-09	1.46E-05	1.23E-05	4.871E-07	1.212E-08	2.5E-09	1.279E-05
4504	478363.09, 3858877.25	0.01383	0.01308	0.01427	0.01483	0.00739	2.60E-05	1.147E-06	2.9435E-08	8.257E-09	2.72E-05	3.18E-05	1.41E-06	2.91E-08	4.62E-09	3.33E-05	2.81E-05	1.082E-06	2.821E-08	4.774E-09	2.919E-05
4505	478863.09, 3858877.25	0.01165	0.01132	0.01181	0.01238	0.00641	2.19E-05	9.931E-07	2.4572E-08	7.162E-09	2.29E-05	2.68E-05	1.22E-06	2.43E-08	4.01E-09	2.81E-05	2.37E-05	9.361E-07	2.355E-08	4.141E-09	2.462E-05
4506	479363.09, 3858877.25	0.00923	0.00887	0.0092	0.0099	0.0054	1.73E-05	7.781E-07	1.965E-08	6.033E-09	1.81E-05	2.13E-05	9.54E-07	1.94E-08	3.38E-09	2.22E-05	1.87E-05	7.335E-07	1.883E-08	3.488E-09	1.95E-05
4507	479863.09, 3858877.25	0.03455	0.03054	0.0349	0.03621	0.02616	6.49E-05	2.679E-06	7.187E-08	2.923E-08	6.77E-05	7.96E-05	3.28E-06	7.09E-08	1.64E-08	8.29E-05	7.01E-05	2.526E-06	6.888E-08	1.69E-08	7.276E-05
4508	480363.09, 3858877.25	0.03882	0.03408	0.03895	0.04028	0.03167	7.30E-05	2.99E-06	7.9948E-08	3.539E-08	7.61E-05	8.94E-05	3.66E-06	7.89E-08	1.98E-08	9.32E-05	7.88E-05	2.818E-06	7.662E-08	2.046E-08	8.173E-05
4509	480863.09, 3858877.25	0.04301	0.03962	0.04312	0.04454	0.03612	8.08E-05	3.476E-06	8.8404E-08	4.036E-08	8.44E-05	9.90E-05	4.26E-06	8.73E-08	2.26E-08	1.03E-04	8.73E-05	3.277E-06	8.473E-08	2.333E-08	9.071E-05
4510	481363.09, 3858877.25	0.04756	0.04534	0.04801	0.04955	0.04002	8.94E-05	3.978E-06	9.8348E-08	4.471E-08	9.35E-05	1.10E-04	4.87E-06	9.71E-08	2.50E-08	1.15E-04	9.66E-05	3.75E-06	9.426E-08	2.585E-08	0.0001004
4511	481863.09, 3858877.25	0.05296	0.05197	0.05373	0.05524	0.04541	9.95E-05	4.559E-06	1.0964E-07	5.074E-08	1.04E-04	1.22E-04	5.59E-06	1.08E-07	2.84E-08	1.28E-04	1.08E-04	4.298E-06	1.051E-07	2.933E-08	0.000112
4512	482363.09, 3858877.25	0.05865	0.05897	0.06036	0.06194	0.04996	1.10E-04	5.173E-06	1.2294E-07	5.582E-08	1.16E-04	1.35E-04	6.34E-06	1.21E-07	3.12E-08	1.42E-04	1.19E-04	4.877E-06	1.178E-07	3.227E-08	0.0001241
4513	482863.09, 3858877.25	0.06515	0.06414	0.06726	0.06901	0.05846	1.22E-04	5.627E-06	1.3697E-07	6.532E-08	1.28E-04	1.50E-04	6.90E-06	1.35E-07	3.66E-08	1.57E-04	1.32E-04	5.304E-06	1.313E-07	3.776E-08	0.0001378
4514	483363.09, 3858877.25	0.06783	0.0676	0.06848	0.07067	0.07594	1.27E-04	5.93E-06	1.4027E-07	8.485E-08	1.34E-04	1.56E-04	7.27E-06	1.38E-07	4.75E-08	1.64E-04	1.38E-04	5.59E-06	1.344E-07	4.905E-08	0.0001435
4515	483863.09, 3858877.25	0.07306	0.07312	0.07371	0.0754	0.08568	1.37E-04	6.415E-06	1.4966E-07	9.573E-08	1.44E-04	1.68E-04	7.86E-06	1.48E-07	5.36E-08	1.76E-04	1.48E-04	6.047E-06	1.434E-07	5.535E-08	0.0001546
4516	484363.09, 3858877.25	0.08057	0.07731	0.08062	0.08222	0.09743	1.51E-04	6.782E-06	1.6319E-07	1.089E-07	1.58E-04	1.86E-04	8.31E-06	1.61E-07	6.09E-08	1.94E-04	1.64E-04	6.393E-06	1.564E-07	6.294E-08	0.0001702
4517	484863.09, 3858877.25	0.08849	0.08011	0.08745	0.08857	0.11016	1.66E-04	7.028E-06	1.758E-07	1.231E-07	1.74E-04	2.04E-04	8.61E-06	1.74E-07	6.89E-08	2.13E-04	1.80E-04	6.625E-06	1.685E-07	7.116E-08	0.0001865
4518	485363.09, 3858877.25	0.09699	0.09226	0.09452	0.09409	0.12297	1.82E-04	8.094E-06	1.8675E-07	1.374E-07	1.91E-04	2.23E-04	9.92E-06	1.84E-07	7.69E-08	2.34E-04	1.97E-04	7.63E-06	1.79E-07	7.943E-08	0.0002048
4519	485863.09, 3858877.25	0.10686	0.11159	0.10217	0.09867	0.13867	2.01E-04	9.789E-06	1.9584E-07	1.549E-07	2.11E-04	2.46E-04	1.20E-05	1.93E-07	8.67E-08	2.58E-04	2.17E-04	9.228E-06	1.877E-07	8.958E-08	0.0002265
4520	486363.09, 3858877.25	0.11701	0.12987	0.1092	0.09923	0.15368	2.20E-04	1.139E-05	1.9695E-07	1.717E-07	2.32E-04	2.69E-04	1.40E-05	1.94E-07	9.61E-08	2.84E-04	2.38E-04	1.074E-05	1.888E-07	9.927E-08	0.0002486
4521	486863.09, 3858877.25	0.13065	0.13357	0.11639	0.09925	0.16946	2.46E-04	1.172E-05	1.9699E-07	1.893E-07	2.58E-04	3.01E-04	1.44E-05	1.94E-07	1.06E-07	3.16E-04	2.65E-04	1.105E-05	1.888E-07	1.095E-07	0.0002766
4522	487363.09, 3858877.25	0.15243	0.12673	0.12044	0.1026	0.18959	2.86E-04	1.112E-05	2.0364E-07	2.118E-07	2.98E-04	3.51E-04	1.36E-05	2.01E-07	1.19E-07	3.65E-04	3.09E-04	1.048E-05	1.952E-07	1.225E-07	0.0003203
4523	487863.09, 3858877.25	0.18274	0.13247	0.12297	0.10371	0.19116	3.43E-04	1.162E-05	2.0585E-07	2.136E-07	3.55E-04	4.21E-04	1.42E-05	2.03E-07	1.20E-07	4.35E-04	3.71E-04	1.096E-05	1.973E-07	1.235E-07	0.0003823
4524	488363.09, 3858877.25	0.26639	0.14668	0.13322	0.10813	0.20142	5.01E-04	1.287E-05	2.1462E-07	2.25E-07	5.14E-04	6.13E-04	1.58E-05	2.12E-07	1.26E-07	6.30E-04	5.41E-04	1.213E-05	2.057E-07	1.301E-07	0.0005533
4525	488863.09, 3858877.25	0.98155	0.15412	0.13933	0.11157	0.20975	1.84E-03	1.352E-05	2.2145E-07	2.344E-07	1.86E-03	2.26E-03	1.66E-05	2.19E-07	1.31E-07	2.28E-03	1.99E-03	1.275E-05	2.122E-07	1.355E-07	0.002006
4526	489363.09, 3858877.25	0.33291	0.15002	0.13604	0.10572	0.19815	6.26E-04	1.316E-05	2.0983E-07	2.214E-07	6.39E-04	7.67E-04	1.61E-05	2.07E-07	1.24E-07	7.83E-04	6.76E-04	1.241E-05	2.011E-07	1.28E-07	0.0006887
4527	489863.09, 3858877.25	0.23048	0.15827	0.14132	0.10634	0.20064	4.33E-04	1.388E-05	2.1107E-07	2.242E-07	4.47E-04	5.31E-04	1.70E-05	2.08E-07	1.25E-07	5.48E-04	4.68E-04	1.309E-05	2.023E-07	1.296E-07	0.0004814
4528	490363.09, 3858877.25	0.18931	0.16224	0.14573	0.11211	0.19084	3.56E-04	1.423E-05	2.2252E-07	2.132E-07	3.70E-04	4.36E-04	1.74E-05	2.20E-07	1.19E-07	4.54E-04	3.84E-04	1.342E-05	2.133E-07	1.233E-07	0.0003981
4529	490863.09, 3858877.25	0.16046	0.15748	0.1454	0.11346	0.16466	3.02E-04	1.382E-05	2.252E-07	1.84E-07	3.16E-04	3.70E-04	1.69E-05	2.22E-07	1.03E-07	3.87E-04	3.26E-04	1.302E-05	2.158E-07	1.064E-07	0.0003391
4530	491363.09, 3858877.25	0.13156	0.13938	0.1326	0.10755	0.12169	2.47E-04	1.223E-05	2.1347E-07	1.36E-07	2.60E-04	3.03E-04	1.50E-05	2.11E-07	7.61E-08	3.18E-04	2.67E-04	1.153E-05	2.046E-07	7.861E-08	0.0002789
4531	491863.09, 3858877.25	0.09813	0.10669	0.10342	0.08593	0.08478	1.84E-04	9.36E-06	1.7056E-07	9.473E-08	1.94E-04	2.26E-04	1.15E-05	1.68E-07	5.30E-08	2.38E-04	1.99E-04	8.823E-06	1.635E-07	5.477E-08	0.0002083
4532	492363.09, 3858877.25	0.10374	0.11499	0.11041	0.09139	0.09522	1.95E-04	1.009E-05	1.8139E-07	1.064E-07	2.05E-04	2.39E-04	1.24E-05	1.79E-07	5.96E-08	2.51E-04	2.11E-04	9.51E-06	1.738E-07	6.151E-08	0.0002204
4533	492863.09, 3858877.25	0.10559	0.11713	0.11131	0.09231	0.10609	1.98E-04	1.028E-05	1.8322E-07	1.185E-07	2.09E-04	2.43E-04	1.26E-05	1.81E-07	6.64E-08	2.56E-04	2.14E-04	9.687E-06	1.756E-07	6.853E-08	0.0002243
4534	493363.09, 3858877.25	0.09474	0.1071	0.10225	0.08578	0.09282	1.78E-04	9.396E-06	1.7026E-07	1.037E-07	1.88E-04	2.18E-04	1.15E-05	1.68E-07	5.81E-08	2.30E-04	1.92E-04	8.857E-06	1.632E-07	5.996E-08	0.0002014
4535	493863.09, 3858877.25	0.07865	0.08977	0.08637	0.0736	0.07342	1.48E-04	7.875E-06	1.4608E-07	8.203E-08	1.56E-04	1.81E-04	9.65E-06	1.44E-07	4.59E-08	1.91E-04	1.60E-04	7.424E-06	1.4E-07	4.743E-08	0.0001673
4536	494363.09, 3858877.25	0.07148	0.08161	0.07895	0.06825	0.06675	1.34E-04	7.159E-06	1.3546E-07	7.458E-08	1.42E-04	1.65E-04	8.77E-06	1.34E-07	4.17E-08	1.74E-04	1.45E-04	6.749E-06	1.298E-07	4.312E-08	0.0001521
4537	494863.09, 3858877.25	0.06339	0.0717	0.06999	0.06131	0.05918	1.19E-04	6.29E-06	1.2169E-07	6.612E-08	1.26E-04	1.46E-04	7.71E-06	1.20E-07	3.70E-08	1.54E-04	1.29E-04	5.929E-06	1.166E-07	3.823E-08	0.0001348
4538	495363.09, 3858877.25	0.05625	0.06311	0.06198	0.055	0.05262	1.06E-04	5.536E-06	1.0916E-07	5.879E-08	1.11E-04	1.30E-04	6.78E-06	1.08E-07	3.29E-08	1.36E-04	1.14E-04	5.219E-06	1.046E-07	3.399E-08	0.0001196
4539	495863.09, 3858877.25	0.05253	0.05856	0.05781	0.05176	0.04913	9.87E-05	5.137E-06	1.0273E-07	5.489E-08	1.04E-04	1.21E-04	6.30E-06	1.01E-07	3.07E-08	1.27E-04	1.07E-04	4.843E-06	9.846E-08	3.174E-08	0.0001116
4540	496363.09, 3858877.25	0.051	0.05653	0.05615	0.05061	0.04767	9.58E-05	4.959E-06	1.0045E-07	5.326E-08	1.01E-04	1.17E-04	6.08E-06	9.91E-08	2.98E-08	1.24E-04	1.04E-04	4.675E-06	9.627E-08	3.079E-08	0.0001084
4541	496863.09, 3858877.25	0.04959	0.05456	0.05464	0.04954	0.0464	9.32E-05	4.786E-06	9.8328E-08	5.184E-08	9.81E-05	1.14E-04	5.87E-06	9.70E-08	2.90E-08	1.20E-04	1.01E-04	4.512E-06	9.424E-08	2.997E-08	0.0001053
4542	497363.09, 3858877.25	0.04805	0.05236	0.05296	0.0483	0.04506	9.03E-05	4.593E-06	9.5867E-08	5.035E-08	9.50E-05	1.11E-04	5.63E-06	9.46E-08	2.82E-08	1.16E-04	9.76E-05	4.33E-06	9.188E-08	2.911E-08	0.000102
4543	497863.09, 3858877.25	0.05195	0.05637	0.05739	0.05234	0.04979	9.76E-05	4.945E-06	1.0389E-07	5.563E-08	1.03E-04	1.20E-04	6.06E-06	1.03E-07	3.11E-08	1.26E-04	1.05E-04	4.662E-06	9.956E-08	3.216E-08	0.0001103
4544	498363.09, 3858877.25	0.0544	0.05874	0.05985	0.05451	0.05464	1.02E-04	5.153E-06	1.0819E-07	6.105E-08	1.08E-04	1.25E-04	6.31E-06	1.07E-07	3.42E-08	1.32E-04	1.10E-04	4.858E-06	1.037E-07	3.53E-08	0.0001154
4545	471363.09, 3859377.25	0.00987	0.01084	0.00977	0.00965	0.00756	1.85E-05	9.51E-07	1.9153E-08	8.447E-09	1.95E-05	2.27E-05	1.17E-06	1.89E-08	4.73E-09	2.39E-05	2.00E-05	8.965E-07	1.836E-08	4.884E-09	2.096E-05
4546	471863.09, 3859377.25	0.01046	0.01135	0.01036	0.01025	0.00795	1.97E-05	9.957E-07	2.0344E-08	8.883E-09	2.07E-05	2.41E-05	1.22E-06	2.01E-08	4.97E-09	2.53E-05	2.12E-05	9.386E-07	1.95E-08	5.135E-09	2.22E-05
4547	472363.09, 3859377.25	0.01123	0.01191	0.01109	0.01102	0.00872	2.11E-05	1.045E-06	2.1873E-08	9.743E-09	2.22E-05	2.59E-05	1.28E-06	2.16E-08	5.45E-09	2.72E-05	2.28E-05	9.849E-07	2.096E-08	5.633E-09	2.381E-05
4548	472863.09, 3859377.25	0.01197	0.01238	0.01181	0.01177	0.00941	2.25E-05	1.086E-06	2.3361E-08	1.051E-08	2.36E-05	2.76E-05	1.33E-06	2.31E-08	5.89E-09	2.89E-05	2.43E-05	1.024E-06	2.239E-08	6.079E-09	2.536E-05
4549	473363.09, 3859377.25	0.01282	0.01294	0.01262	0.01262	0.01029	2.41E-05	1.135E-06	2.5048E-08	1.15E-08	2.53E-05	2.95E-05	1.39E-06	2.47E-08	6.44E-09	3.09E-05	2.60E-05	1.07E-06	2.401E-08	6.647E-09	2.713E-05
4550	473863.09, 3859377.25	0.01355	0.01346	0.01335	0.01339	0.01068	2.55E-05	1.181E-06	2.6577E-08	1.193E-08	2.67E-05	3.12E-05	1.45E-06	2.62E-08	6.68E-09	3.27E-05	2.75E-05	1.113E-06	2.547E-08	6.899E-09	2.866E-05
4551	474363.09, 3859377.25	0.01318	0.013	0.01317	0.01324	0.00892	2.48E-05	1.14E-06	2.6279E-08	9.966E-09	2.59E-05	3.04E-05	1.40E-06	2.59E-08	5.58E-09	3.18E-05	2.68E-05	1.075E-06	2.519E-08	5.762E-09	2.787E-05
4552	474863.09, 3859377.25	0.01062	0.01059	0.01069	0.01081	0.00609	2.00E-05	9.29E-07	2.1456E-08	6.804E-09	2.09E-05	2.45E-05	1.14E-06	2.12E-08	3.81E-09	2.56E-05	2.16E-05	8.758E-07	2.056E-08	3.934E-09	2.246E-05
4553	475363.09, 3859377.25	0.00704	0.00719	0.007	0.00724	0.00402	1.32E-05	6.308E-07	1.437E-08	4.492E-09	1.39E-05	1.62E-05	7.73E-07	1.42E-08	2.51E-09	1.70E-05	1.43E-05	5.946E-07	1.377E-08	2.597E-09	1.49E-05
4554	475863.09, 3859377.25	0.00435	0.00433	0.00423	0.00449	0.00285	8.17E-06	3.799E-07	8.9118E-09	3.184E-09	8.57E-06	1.00E-05	4.65E-07	8.80E-09	1.78E-09	1.05E-05	8.83E-06	3.581E-07	8.541E-09	1.841E-09	9.201E-06
4555	476363.09, 3859377.25	0.00385	0.0037	0.00371	0.00398	0.00263	7.23E-06	3.246E-07	7.8996E-09	2.939E-09	7.57E-06	8.87E-06	3.98E-07	7.80E-09	1.64E-09	9.27E-06	7.82E-06	3.06E-07	7.571E-09	1.699E-09	8.132E-06
4556	476863.09, 3859377.25	0.00308	0.00294	0.00296	0.00318	0.0023	5.79E-06	2.579E-07	6.3117E-09	2.57E-09	6.05E-06	7.09E-06	3.16E-07	6.23E-09	1.44E-09	7.42E-06	6.25E-06	2.431E-07	6.049E-09	1.486E-09	6.504E-06

4557 477363.09, 3859377.25	0.00342	0.00323	0.00329	0.00356	0.00248	6.43E-06	2.834E-07	7.0659E-09	2.771E-09	6.72E-06	7.88E-06	3.47E-07	6.97E-09	1.55E-09	8.23E-06	6.94E-06	2.671E-07	6.772E-09	1.602E-09	7.219E-06
4558 477863.09, 3859377.25	0.00696	0.00656	0.00693	0.0074	0.00419	1.31E-05	5.755E-07	1.4688E-08	4.682E-09	1.37E-05	1.60E-05	7.05E-07	1.45E-08	2.62E-09	1.67E-05	1.41E-05	5.425E-07	1.408E-08	2.707E-09	1.469E-05
4559 478363.09, 3859377.25	0.012	0.0117	0.01226	0.01291	0.00644	2.26E-05	1.026E-06	2.5624E-08	7.196E-09	2.36E-05	2.76E-05	1.26E-06	2.53E-08	4.03E-09	2.89E-05	2.44E-05	9.676E-07	2.456E-08	4.16E-09	2.536E-05
4560 478863.09, 3859377.25	0.01958	0.01848	0.02041	0.02122	0.01056	3.68E-05	1.621E-06	4.2118E-08	1.18E-08	3.85E-05	4.51E-05	1.99E-06	4.16E-08	6.60E-09	4.71E-05	3.98E-05	1.528E-06	4.037E-08	6.821E-09	4.133E-05
4561 479363.09, 3859377.25	0.02613	0.02385	0.02697	0.02804	0.0162	4.91E-05	2.092E-06	5.5654E-08	1.81E-08	5.13E-05	6.02E-05	2.56E-06	5.49E-08	1.01E-08	6.28E-05	5.31E-05	1.972E-06	5.334E-08	1.046E-08	5.509E-05
4562 479863.09, 3859377.25	0.0312	0.02851	0.03159	0.03283	0.02251	5.86E-05	2.501E-06	6.5161E-08	2.515E-08	6.12E-05	7.18E-05	3.06E-06	6.43E-08	1.41E-08	7.50E-05	6.33E-05	2.358E-06	6.245E-08	1.454E-08	6.578E-05
4563 480363.09, 3859377.25	0.03553	0.03435	0.03578	0.03659	0.02917	6.68E-05	3.013E-06	7.2624E-08	3.259E-08	6.99E-05	8.18E-05	3.69E-06	7.17E-08	1.82E-08	8.56E-05	7.21E-05	2.841E-06	6.96E-08	1.884E-08	7.507E-05
4564 480863.09, 3859377.25	0.03906	0.03912	0.03934	0.04011	0.03386	7.34E-05	3.432E-06	7.9611E-08	3.783E-08	7.70E-05	8.99E-05	4.21E-06	7.86E-08	2.12E-08	9.43E-05	7.93E-05	3.235E-06	7.63E-08	2.187E-08	8.264E-05
4565 481363.09, 3859377.25	0.04294	0.04351	0.04327	0.04397	0.0384	8.07E-05	3.817E-06	8.7272E-08	4.29E-08	8.46E-05	9.89E-05	4.68E-06	8.61E-08	2.40E-08	1.04E-04	8.72E-05	3.598E-06	8.364E-08	2.481E-08	9.089E-05
4566 481863.09, 3859377.25	0.04713	0.04887	0.04782	0.04838	0.04295	8.86E-05	4.287E-06	9.6025E-08	4.799E-08	9.30E-05	1.09E-04	5.25E-06	9.48E-08	2.69E-08	1.14E-04	9.57E-05	4.041E-06	9.203E-08	2.774E-08	9.985E-05
4567 482363.09, 3859377.25	0.05138	0.05324	0.05265	0.05314	0.04756	9.66E-05	4.671E-06	1.0547E-07	5.314E-08	1.01E-04	1.18E-04	5.72E-06	1.04E-07	2.97E-08	1.24E-04	1.04E-04	4.403E-06	1.011E-07	3.072E-08	0.0001089
4568 482863.09, 3859377.25	0.05599	0.05821	0.05731	0.05719	0.05497	1.05E-04	5.107E-06	1.1351E-07	6.142E-08	1.10E-04	1.29E-04	6.26E-06	1.12E-07	3.44E-08	1.35E-04	1.14E-04	4.814E-06	1.088E-07	3.551E-08	0.0001186
4569 483363.09, 3859377.25	0.0599	0.06112	0.06064	0.06074	0.06425	1.13E-04	5.362E-06	1.2056E-07	7.179E-08	1.18E-04	1.38E-04	6.57E-06	1.19E-07	4.02E-08	1.45E-04	1.22E-04	5.055E-06	1.155E-07	4.15E-08	0.0001268
4570 483863.09, 3859377.25	0.06136	0.05624	0.06096	0.06194	0.07177	1.15E-04	4.934E-06	1.2294E-07	8.019E-08	1.20E-04	1.41E-04	6.05E-06	1.21E-07	4.49E-08	1.48E-04	1.25E-04	4.651E-06	1.178E-07	4.636E-08	0.0001294
4571 484363.09, 3859377.25	0.06629	0.05825	0.06496	0.06639	0.07909	1.25E-04	5.11E-06	1.3177E-07	8.837E-08	1.30E-04	1.53E-04	6.26E-06	1.30E-07	4.95E-08	1.59E-04	1.35E-04	4.817E-06	1.263E-07	5.109E-08	0.0001396
4572 484863.09, 3859377.25	0.07135	0.06339	0.06857	0.07028	0.08658	1.34E-04	5.561E-06	1.3949E-07	9.674E-08	1.40E-04	1.64E-04	6.81E-06	1.38E-07	5.42E-08	1.71E-04	1.45E-04	5.242E-06	1.337E-07	5.593E-08	0.0001503
4573 485363.09, 3859377.25	0.07618	0.07477	0.07232	0.07254	0.09263	1.43E-04	6.559E-06	1.4398E-07	1.035E-07	1.50E-04	1.75E-04	8.04E-06	1.42E-07	5.79E-08	1.84E-04	1.55E-04	6.183E-06	1.38E-07	5.984E-08	0.0001611
4574 485863.09, 3859377.25	0.08118	0.08642	0.07635	0.07357	0.09891	1.53E-04	7.581E-06	1.4602E-07	1.105E-07	1.60E-04	1.87E-04	9.29E-06	1.44E-07	6.19E-08	1.96E-04	1.65E-04	7.147E-06	1.399E-07	6.389E-08	0.0001722
4575 486363.09, 3859377.25	0.08696	0.08886	0.07973	0.07409	0.10737	1.63E-04	7.795E-06	1.4705E-07	1.2E-07	1.71E-04	2.00E-04	9.55E-06	1.45E-07	6.72E-08	2.10E-04	1.77E-04	7.349E-06	1.409E-07	6.936E-08	0.0001841
4576 486863.09, 3859377.25	0.09191	0.08968	0.08038	0.0726	0.1135	1.73E-04	7.867E-06	1.441E-07	1.268E-07	1.81E-04	2.12E-04	9.64E-06	1.42E-07	7.10E-08	2.22E-04	1.87E-04	7.416E-06	1.381E-07	7.332E-08	0.0001942
4577 487363.09, 3859377.25	0.09822	0.08291	0.08034	0.073	0.11535	1.85E-04	7.273E-06	1.4489E-07	1.289E-07	1.92E-04	2.26E-04	8.91E-06	1.43E-07	7.21E-08	2.35E-04	1.99E-04	6.857E-06	1.389E-07	7.451E-08	0.0002065
4578 487863.09, 3859377.25	0.10769	0.09027	0.08304	0.07424	0.116	2.02E-04	7.919E-06	1.4735E-07	1.296E-07	2.11E-04	2.48E-04	9.70E-06	1.45E-07	7.26E-08	2.58E-04	2.19E-04	7.465E-06	1.412E-07	7.493E-08	0.0002263
4579 488363.09, 3859377.25	0.1174	0.09257	0.08685	0.07661	0.11985	2.21E-04	8.121E-06	1.5206E-07	1.339E-07	2.29E-04	2.70E-04	9.95E-06	1.50E-07	7.50E-08	2.81E-04	2.38E-04	7.655E-06	1.457E-07	7.742E-08	0.0002462
4580 488863.09, 3859377.25	0.12327	0.10017	0.09297	0.07946	0.12562	2.32E-04	8.788E-06	1.5771E-07	1.404E-07	2.41E-04	2.84E-04	1.08E-05	1.56E-07	7.86E-08	2.95E-04	2.50E-04	8.284E-06	1.512E-07	8.115E-08	0.0002588
4581 489363.09, 3859377.25	0.12482	0.10388	0.09616	0.08156	0.12947	2.35E-04	9.113E-06	1.6188E-07	1.447E-07	2.44E-04	2.87E-04	1.12E-05	1.60E-07	8.10E-08	2.99E-04	2.53E-04	8.591E-06	1.551E-07	8.363E-08	0.0002623
4582 489863.09, 3859377.25	0.12082	0.09941	0.09212	0.0773	0.12047	2.27E-04	8.721E-06	1.5343E-07	1.346E-07	2.36E-04	2.78E-04	1.07E-05	1.51E-07	7.53E-08	2.89E-04	2.45E-04	8.221E-06	1.47E-07	7.782E-08	0.0002538
4583 490363.09, 3859377.25	0.11674	0.10135	0.09367	0.07554	0.11955	2.19E-04	8.891E-06	1.4993E-07	1.336E-07	2.29E-04	2.69E-04	1.09E-05	1.48E-07	7.48E-08	2.80E-04	2.37E-04	8.382E-06	1.437E-07	7.723E-08	0.0002456
4584 490863.09, 3859377.25	0.10979	0.10904	0.10012	0.07912	0.11565	2.06E-04	9.566E-06	1.5704E-07	1.292E-07	2.16E-04	2.53E-04	1.17E-05	1.55E-07	7.23E-08	2.65E-04	2.23E-04	9.017E-06	1.505E-07	7.471E-08	0.0002322
4585 491363.09, 3859377.25	0.09394	0.10199	0.09714	0.08049	0.08466	1.77E-04	8.947E-06	1.5976E-07	9.459E-08	1.86E-04	2.16E-04	1.10E-05	1.58E-07	5.29E-08	2.28E-04	1.91E-04	8.434E-06	1.531E-07	5.469E-08	0.0001994
4586 491863.09, 3859377.25	0.09938	0.10372	0.09971	0.08234	0.1021	1.87E-04	9.099E-06	1.6343E-07	1.141E-07	1.96E-04	2.29E-04	1.12E-05	1.61E-07	6.39E-08	2.40E-04	2.02E-04	8.578E-06	1.566E-07	6.595E-08	0.0002106
4587 492363.09, 3859377.25	0.09477	0.0997	0.09553	0.08002	0.09809	1.78E-04	8.746E-06	1.5882E-07	1.096E-07	1.87E-04	2.18E-04	1.07E-05	1.57E-07	6.13E-08	2.29E-04	1.92E-04	8.245E-06	1.522E-07	6.336E-08	0.0002009
4588 492863.09, 3859377.25	0.09012	0.09586	0.09142	0.0766	0.09486	1.69E-04	8.409E-06	1.5204E-07	1.06E-07	1.78E-04	2.08E-04	1.03E-05	1.50E-07	5.93E-08	2.18E-04	1.83E-04	7.928E-06	1.457E-07	6.128E-08	0.0001911
4589 493363.09, 3859377.25	0.08315	0.08994	0.08591	0.07304	0.08407	1.56E-04	7.89E-06	1.4497E-07	9.393E-08	1.64E-04	1.91E-04	9.67E-06	1.43E-07	5.26E-08	2.01E-04	1.69E-04	7.438E-06	1.389E-07	5.431E-08	0.0001765
4590 493863.09, 3859377.25	0.07863	0.08521	0.08197	0.07004	0.08063	1.48E-04	7.475E-06	1.3902E-07	9.009E-08	1.55E-04	1.81E-04	9.16E-06	1.37E-07	5.04E-08	1.90E-04	1.60E-04	7.047E-06	1.332E-07	5.208E-08	0.0001669
4591 494363.09, 3859377.25	0.07323	0.07963	0.07744	0.06662	0.07396	1.38E-04	6.986E-06	1.3223E-07	8.264E-08	1.45E-04	1.69E-04	8.56E-06	1.31E-07	4.63E-08	1.77E-04	1.49E-04	6.585E-06	1.267E-07	4.778E-08	0.0001554
4592 494863.09, 3859377.25	0.06501	0.07152	0.07023	0.06084	0.06211	1.22E-04	6.274E-06	1.2076E-07	6.94E-08	1.29E-04	1.50E-04	7.69E-06	1.19E-07	3.88E-08	1.58E-04	1.32E-04	5.915E-06	1.157E-07	4.012E-08	0.0001381
4593 495363.09, 3859377.25	0.06168	0.06863	0.06702	0.05821	0.05922	1.16E-04	6.021E-06	1.1554E-07	6.617E-08	1.22E-04	1.42E-04	7.38E-06	1.14E-07	3.70E-08	1.50E-04	1.25E-04	5.676E-06	1.107E-07	3.825E-08	0.0001311
4594 495863.09, 3859377.25	0.05719	0.06417	0.06258	0.05471	0.05459	1.07E-04	5.629E-06	1.0859E-07	6.099E-08	1.13E-04	1.32E-04	6.90E-06	1.07E-07	3.41E-08	1.39E-04	1.16E-04	5.307E-06	1.041E-07	3.526E-08	0.0001216
4595 496363.09, 3859377.25	0.05575	0.06286	0.06115	0.05377	0.05406	1.05E-04	5.515E-06	1.0672E-07	6.04E-08	1.10E-04	1.28E-04	6.76E-06	1.05E-07	3.38E-08	1.35E-04	1.13E-04	5.198E-06	1.023E-07	3.492E-08	0.0001185
4596 496863.09, 3859377.25	0.05062	0.05698	0.05577	0.04952	0.04818	9.51E-05	4.999E-06	9.8288E-08	5.383E-08	1.00E-04	1.17E-04	6.13E-06	9.70E-08	3.01E-08	1.23E-04	1.03E-04	4.712E-06	9.42E-08	3.112E-08	0.0001076
4597 497363.09, 3859377.25	0.05121	0.05738	0.05634	0.05018	0.04992	9.62E-05	5.034E-06	9.9598E-08	5.578E-08	1.01E-04	1.18E-04	6.17E-06	9.83E-08	3.12E-08	1.24E-04	1.04E-04	4.745E-06	9.545E-08	3.225E-08	0.0001088
4598 497863.09, 3859377.25	0.05275	0.05864	0.05763	0.05126	0.05444	9.91E-05	5.144E-06	1.0174E-07	6.083E-08	1.04E-04	1.21E-04	6.30E-06	1.00E-07	3.40E-08	1.28E-04	1.07E-04	4.849E-06	9.751E-08	3.517E-08	0.0001121
4599 498363.09, 3859377.25	0.05229	0.05777	0.05689	0.05042	0.05704	9.83E-05	5.068E-06	1.0007E-07	6.373E-08	1.03E-04	1.20E-04	6.21E-06	9.88E-08	3.57E-08	1.27E-04	1.06E-04	4.778E-06	9.591E-08	3.685E-08	0.0001111
4600 471363.09, 3859877.25	0.01005	0.01015	0.00985	0.00986	0.00803	1.89E-05	8.904E-07	1.957E-08	8.972E-09	1.98E-05	2.31E-05	1.09E-06	1.93E-08	5.02E-09	2.43E-05	2.04E-05	8.394E-07	1.876E-08	5.187E-09	2.127E-05
4601 471863.09, 3859877.25	0.01064	0.01052	0.01041	0.01046	0.00856	2.00E-05	9.229E-07	2.0761E-08	9.564E-09	2.09E-05	2.45E-05	1.13E-06	2.05E-08	5.35E-09	2.57E-05	2.16E-05	8.7E-07	1.99E-08	5.529E-09	2.25E-05
4602 472363.09, 3859877.25	0.01122	0.0109	0.01097	0.01107	0.00897	2.11E-05	9.562E-07	2.1972E-08	1.002E-08	2.21E-05	2.58E-05	1.17E-06	2.17E-08	5.61E-09	2.70E-05	2.28E-05	9.014E-07	2.106E-08	5.794E-09	2.371E-05
4603 472863.09, 3859877.25	0.01199	0.01153	0.01169	0.01181	0.00972	2.25E-05	1.011E-06	2.3441E-08	1.086E-08	2.36E-05	2.76E-05	1.24E-06	2.31E-08	6.08E-09	2.89E-05	2.43E-05	9.535E-07	2.247E-08	6.279E-09	2.533E-05
4604 473363.09, 3859877.25	0.01281	0.01245	0.01249	0.01262	0.01046	2.41E-05	1.092E-06	2.5048E-08	1.169E-08	2.52E-05	2.95E-05	1.34E-06	2.47E-08	6.54E-09	3.09E-05	2.60E-05	1.03E-06	2.401E-08	6.757E-09	2.707E-05
4605 473863.09, 3859877.25	0.01363	0.01366	0.01339	0.01347	0.01102	2.56E-05	1.198E-06	2.6735E-08	1.231E-08	2.69E-05	3.14E-05	1.47E-06	2.64E-08	6.89E-09	3.29E-05	2.77E-05	1.13E-06	2.562E-08	7.119E-09	2.884E-05
4606 474363.09, 3859877.25	0.01378	0.0145	0.01379	0.01381	0.00974	2.59E-05	1.272E-06	2.741E-08	1.088E-08	2.72E-05	3.17E-05	1.56E-06	2.71E-08	6.09E-09	3.33E-05	2.80E-05	1.199E-06	2.627E-08	6.292E-09	2.921E-05
4607 474863.09, 3859877.25	0.01292	0.01378	0.01312	0.01336	0.00779	2.43E-05	1.209E-06	2.6517E-08	8.704E-09	2.55E-05	2.98E-05	1.48E-06	2.62E-08	4.87E-09	3.13E-05	2.62E-05	1.14E-06	2.541E-08	5.032E-09	2.74E-05
4608 475363.09, 3859877.25	0.0086	0.00864	0.00868	0.00918	0.00469	1.62E-05	7.58E-07	1.8221E-08	5.24E-09	1.69E-05	1.98E-05	9.29E-07	1.80E-08	2.93E-09	2.08E-05	1.75E-05	7.145E-07	1.746E-08	3.03E-09	1.82E-05
4609 475863.09, 3859877.25	0.00421	0.00413	0.00412	0.00443	0.00275	7.91E-06	3.623E-07	8.7927E-09	3.073E-09	8.29E-06	9.69E-06	4.44E-07	8.68E-09	1.72E-09	1.01E-05	8.55E-06	3.415E-07	8.427E-09	1.776E-09	8.9E-06
4610 476363.09, 3859877.25	0.00247	0.00246	0.00234	0.00254	0.00188	4.64E-06	2.158E-07	5.0414E-09	2.101E-09	4.86E-06	5.69E-06	2.64E-07	4.98E-09	1.18E-09	5.96E-06	5.02E-06	2.034E-07	4.832E-09	1.214E-09	5.225E-06
4611 476863.09, 3859877.25	0.00292	0.0029	0.00282	0.00302	0.00216	5.49E-06	2.544E-07	5.9941E-09	2.413E-09	5.75E-06	6.72E-06	3.12E-07	5.92E-09	1.35E-09	7.04E-06	5.93E-06	2.398E-07	5.745E-09	1.395E-09	6.176E-06
4612 477363.09, 3859877.25	0.00319	0.00321	0.00308	0.0033	0.00232	5.99E-06	2.816E-07	6.5499E-09	2.592E-09	6.29E-06	7.35E-06	3.45E-07	6.46E-09	1.45E-09	7.70E-06	6.48E-06	2.655E-07	6.277E-09	1.499E-09	6.75E-06
4613 477863.09, 3859877.25	0.00623	0.00618	0.00621	0.00667	0.00381	1.17E-05	5.422E-07	1.3239E-08	4.257E-09	1.23E-05	1.43E-05	6.64E-07	1.31E-08	2.38E-09	1.50E-05	1.26E-05	5.111E-07	1.269E-08	2.461E-09	1.318E-05
4614 478363.09, 3859877.25	0.01181	0.0115	0.01219	0.01285	0.00639	2.22E-05	1.009E-06	2.5505E-08	7.14E-09	2.32E-05	2.72E-05	1.24E-06	2.52E-08	4.00E-09	2.85E-05	2.40E-05	9.51E-07	2.444E-08	4.128E-09	2.496E-05
4615 478863.09, 3859877.25	0.01883	0.01835	0.01973	0.02041	0.01063	3.54E-05	1.61E-06	4.051E-08	1.188E-08	3.70E-05	4.34E-05	1.97E-06	4.00E-08	6.65E-09	4.54E-05	3.82E-05	1.518E-06	3.882E-08	6.867E-09	3.98E-05
4616 479363.09, 3859877.25	0.02531	0.02481	0.02607	0.02668	0.01719	4.76E-05	2.177E-06	5.2955E-08	1.921E-08	4.98E-05	5.83E-05	2.67E-06	5.23E-08	1.08E-08	6.10E-05	5.14E-05	2.052E-06	5.075E-08	1.11E-08	5.35E-05
4617 479863.09, 3859877.25	0.02943	0.02974	0.02981	0.03014	0.02317	5.53E-05	2.609E-06	5.9822E-08	2.589E-08	5.80E-05	6.78E-05	3.20E-06	5.90E-08	1.45E-08	7.10E-05	5.98E-05	2.459E-06	5.733E-08	1.497E-08	6.229E-05
4618 480363.09, 3859877.25	0.03269	0.03322	0.03292	0.03314	0.02837	6.14E-05	2.914E-06	6.5777E-08	3.17E-08	6.44E-05	7.53E-05	3.57E-06	6.49E-08	1.77E-08	7.89E-05	6.64E-05	2.747E-06	6.304E-08	1.833E-08	6.92E-05
4619 480863.09, 3859877.25	0.03546	0.0363	0.03567	0.03593	0.03232	6.66E-05	3.184E-06	7.1314E-08	3.611E-08	6.99E-05	8.17E-05	3.90E-06	7.04E-08	2.02E-08	8.57E-05	7.20E-05	3.002E-06	6.835E-08	2.088E-08	7.509E-05
4620 481363.09, 3859877.25	0.03845	0.04078	0.03872	0.03872	0.03627	7.23E-05	3.577E-06	7.6852E-08	4.052E-08	7.60E-05	8.85E-05	4.38E-06	7.58E-08	2.27E-08	9.30E-05	7.81E-05	3.372E-06	7.366E-08	2.343E-08	8.154E-05
4621 481863.09, 3859877.25	0.04149	0.04518	0.0421	0.0418	0.03967	7.80E-05	3.963E-06	8.2965E-08	4.432E-08	8.21E-05	9.55E-05	4.86E-06	8.19E-08	2.48E-08	1.01E-04	8.42E-05	3.736E-06	7.951E-08	2.563E-08	8.808E-05
4622 482363.09, 3859877.25	0.04468	0.04613	0.04528	0.04501	0.04418	8.40E-05	4.047E-06	8.9337E-08	4.936E-08	8.81E-05	1.03E-04	4.96E-06	8.82E-08	2.76E-08	1.08E-04	9.07E-05	3.815E-06	8.562E-08	2.854E-08	9.465E-05
4623 482863.09, 3859877.25	0.04823	0.0464	0.0486	0.04846	0.04886	9.06E-05	4.071E-06	9.6184E-08	5.459E-08	9.49E-05	1.11E-04	4.99E-06	9.49E-08	3.06E-08	1.16E-04	9.79E-05	3.837E-06	9.218E-08	3.156E-08	0.0001019
4624 483363.09, 3859877.25	0.05173	0.04733	0.05176	0.05228	0.05336	9.72E-05	4.152E-06	1.0377E-07	5.962E-08	1.02E-04	1.19E-04	5.09E-06	1.02E-07	3.34E-08	1.24E-04	1.05E-04	3.914E-06	9.945E-08	3.447E-08	0.0001091
4625 483863.09, 3859877.25	0.05246	0.04685	0.05109	0.05243	0.05982	9.86E-05	4.11E-06	1.0406E-07	6.684E-08	1.03E-04	1.21E-04	5.04E-06	1.03E-07	3.74E-08	1.26E-04	1.07E-04	3.874E-06	9.974E-08	3.864E-08	0.0001105
4626 484363.09, 3859877.25	0.05503	0.04864	0.05281	0.05478	0.06381	1.03E-04	4.267E-06	1.0873E-07	7.13E-08	1.08E-04	1.27E-04	5.23E-06	1.07E-07	3.99E-08	1.32E-04	1.12E-04	4.022E-06	1.042E-07	4.122E-08	0.0001159
4627 484863.09, 3859877.25	0.0583	0.05323	0.05533	0.05675	0.0678	1.10E-04	4.67E-06	1.1264E-07	7.575E-08	1.14E-04	1.34E-04	5.72E-06	1.11E-07	4.24E-08	1.40E-04	1.18E-04	4.402E-06	1.08E-07	4.38E-08	0.0001229
4628 485363.09, 3859877.25	0.06137	0.06151	0.05774	0.05755	0.07179	1.15E-04	5.396E-06	1.1423E-07	8.021E-08	1.21E-04	1.41E-04	6.61E-06	1.13E-07	4.49E-08	1.48E-04	1.25E-04	5.087E-06	1.095E-07	4.637E-08	0.0001298
4629 485863.09, 3859877.25	0.06421	0.06695	0.05991	0.05784	0.07583	1.21E-04	5.873E-06	1.148E-07	8.473E-08	1.27E-04	1.48E-04	7.20E-06	1.13E-07	4.74E-08	1.55E-04	1.30E-04	5.537E-06	1.1E-07	4.898E-08	0.0001361
4630 486363.09, 3859877.25	0.06664	0.0658	0.06072	0.05765	0.08011	1.25E-04	5.772E-06	1.1442E-07	8.951E-08	1.31E-04	1.53E-04	7.07E-06	1.13E-07	5.01E-08	1.61E-04	1.35E-04	5.442E-06	1.097E-07	5.175E-08	0.0001409
4631 486863.09, 3859877.25	0.06913	0.06594	0.0607	0.05707	0.08218	1.30E-04	5.785E-06	1.1327E-07	9.182E-08	1.36E-04	1.59E-04	7.09E-06	1.12E-07	5.14E-08	1.66E-04	1.40E-04	5.453E-06	1.086E-07	5.309E-08	0.000146
4632 487363.09, 3859877.25	0.07046	0.06111	0.05972	0.05641	0.08069	1.32E-04	5.361E-06	1.1196E-07	9.016E-08	1.38E-04	1.62E-04	6.57E-06	1.11E-07	5.05E-08	1.69E-04	1.43E-04	5.054E-06	1.073E-07	5.212E-08	0.0001483
4633 487863.09, 3859877.25	0.0748	0.06719	0.06196	0.05747	0.0811	1.41E-04	5.894E-06	1.1407E-07	9.061E-08	1.47E-04	1.72E-04	7.22E-06	1.13E-07	5.07E-08	1.80E-04	1.52E-04	5.557E-06	1.093E-07	5.239E-08	0.0001576
4634 488363.09, 3859877.25	0.07553	0.06546	0.06342	0.05815	0.08288	1.42E-04	5.743E-06	1.1542E-07	9.26E-08	1.48E-04	1.74E-04	7.04E-06	1.14E-07	5.18E-08	1.81E-04	1.53E-04	5.413E-06	1.106E-07	5.354E-08	0.0001589
4635 488863.09, 3859877.25	0.07749	0.07065	0.06673	0.05992	0.08541	1.46E-04	6.198E-06	1.1893E-07	9.543E-08	1.52E-04	1.78E-04	7.60E-06	1.17E-07	5.34E-08	1.86E-04	1.57E-04	5.843E-06	1.14E-07	5.517E-08	0.0001633
4636 489363.09, 3859877.25	0.07977	0.074	0.06988	0.06143	0.08835	1.50E-04	6.492E-06	1.2193E-07	9.871E-08	1.57E-04	1.84E-04	7.96E-06	1.20E-07	5.53E-08	1.92E-04	1.62E-04	6.12E-06	1.169E-07	5.707E-08	0.0001683

4637 489863.09, 3859877.25	0.08005	0.07593	0.07167	0.06278	0.09127	1.50E-04	6.661E-06	1.2461E-07	1.02E-07	1.57E-04	1.84E-04	8.16E-06	1.23E-07	5.71E-08	1.93E-04	1.63E-04	6.279E-06	1.194E-07	5.896E-08	0.000169
4638 490363.09, 3859877.25	0.07524	0.07185	0.06779	0.05923	0.08577	1.41E-04	6.303E-06	1.1756E-07	9.583E-08	1.48E-04	1.73E-04	7.72E-06	1.16E-07	5.36E-08	1.81E-04	1.53E-04	5.942E-06	1.127E-07	5.54E-08	0.0001589
4639 490863.09, 3859877.25	0.0758	0.07131	0.06736	0.05742	0.08256	1.42E-04	6.256E-06	1.1397E-07	9.225E-08	1.49E-04	1.75E-04	7.67E-06	1.12E-07	5.16E-08	1.82E-04	1.54E-04	5.897E-06	1.092E-07	5.333E-08	0.00016
4640 491363.09, 3859877.25	0.07547	0.0736	0.06899	0.05731	0.08546	1.42E-04	6.457E-06	1.1375E-07	9.549E-08	1.48E-04	1.74E-04	7.91E-06	1.12E-07	5.35E-08	1.82E-04	1.53E-04	6.087E-06	1.09E-07	5.52E-08	0.0001595
4641 491863.09, 3859877.25	0.07527	0.07728	0.07223	0.05978	0.08779	1.41E-04	6.78E-06	1.1865E-07	9.809E-08	1.48E-04	1.73E-04	8.31E-06	1.17E-07	5.49E-08	1.82E-04	1.53E-04	6.391E-06	1.137E-07	5.671E-08	0.0001594
4642 492363.09, 3859877.25	0.07447	0.07776	0.07369	0.0619	0.08726	1.40E-04	6.822E-06	1.2286E-07	9.75E-08	1.47E-04	1.71E-04	8.36E-06	1.21E-07	5.46E-08	1.80E-04	1.51E-04	6.431E-06	1.177E-07	5.637E-08	0.0001578
4643 492863.09, 3859877.25	0.07282	0.07682	0.07383	0.06242	0.08334	1.37E-04	6.739E-06	1.2389E-07	9.312E-08	1.44E-04	1.68E-04	8.26E-06	1.22E-07	5.21E-08	1.76E-04	1.48E-04	6.353E-06	1.187E-07	5.383E-08	0.0001544
4644 493363.09, 3859877.25	0.07038	0.07475	0.07203	0.06102	0.07937	1.32E-04	6.558E-06	1.2111E-07	8.868E-08	1.39E-04	1.62E-04	8.04E-06	1.20E-07	4.96E-08	1.70E-04	1.43E-04	6.182E-06	1.161E-07	5.127E-08	0.0001492
4645 493863.09, 3859877.25	0.0675	0.0723	0.06961	0.05894	0.07497	1.27E-04	6.343E-06	1.1699E-07	8.377E-08	1.33E-04	1.55E-04	7.77E-06	1.15E-07	4.69E-08	1.63E-04	1.37E-04	5.979E-06	1.121E-07	4.843E-08	0.0001432
4646 494363.09, 3859877.25	0.06428	0.06902	0.06699	0.05693	0.06925	1.21E-04	6.055E-06	1.13E-07	7.737E-08	1.27E-04	1.48E-04	7.42E-06	1.12E-07	4.33E-08	1.56E-04	1.31E-04	5.708E-06	1.083E-07	4.473E-08	0.0001364
4647 494863.09, 3859877.25	0.06153	0.0663	0.06395	0.05499	0.06635	1.16E-04	5.816E-06	1.0914E-07	7.413E-08	1.22E-04	1.42E-04	7.13E-06	1.08E-07	4.15E-08	1.49E-04	1.25E-04	5.483E-06	1.046E-07	4.286E-08	0.0001306
4648 495363.09, 3859877.25	0.05867	0.06305	0.0613	0.05332	0.0624	1.10E-04	5.531E-06	1.0583E-07	6.972E-08	1.16E-04	1.35E-04	6.78E-06	1.04E-07	3.90E-08	1.42E-04	1.19E-04	5.214E-06	1.014E-07	4.031E-08	0.0001245
4649 495863.09, 3859877.25	0.05575	0.05996	0.05873	0.05144	0.05818	1.05E-04	5.26E-06	1.021E-07	6.501E-08	1.10E-04	1.28E-04	6.45E-06	1.01E-07	3.64E-08	1.35E-04	1.13E-04	4.959E-06	9.785E-08	3.758E-08	0.0001183
4650 496363.09, 3859877.25	0.05169	0.05585	0.05519	0.04865	0.0514	9.71E-05	4.9E-06	9.6561E-08	5.743E-08	1.02E-04	1.19E-04	6.00E-06	9.53E-08	3.21E-08	1.25E-04	1.05E-04	4.619E-06	9.254E-08	3.32E-08	0.0001097
4651 496863.09, 3859877.25	0.04169	0.04499	0.04518	0.04024	0.0382	7.83E-05	3.947E-06	7.9869E-08	4.268E-08	8.24E-05	9.60E-05	4.84E-06	7.88E-08	2.39E-08	1.01E-04	8.46E-05	3.721E-06	7.655E-08	2.468E-08	8.847E-05
4652 497363.09, 3859877.25	0.04687	0.05146	0.05072	0.04478	0.04629	8.81E-05	4.514E-06	8.8888E-08	5.172E-08	9.27E-05	1.08E-04	5.53E-06	8.77E-08	2.90E-08	1.14E-04	9.52E-05	4.256E-06	8.518E-08	2.99E-08	9.953E-05
4653 497863.09, 3859877.25	0.04841	0.0535	0.05197	0.04542	0.05294	9.10E-05	4.693E-06	9.015E-08	5.915E-08	9.58E-05	1.11E-04	5.75E-06	8.90E-08	3.31E-08	1.17E-04	9.83E-05	4.424E-06	8.64E-08	3.42E-08	0.0001028
4654 498363.09, 3859877.25	0.04668	0.05233	0.05097	0.04338	0.05458	8.77E-05	4.591E-06	8.6101E-08	6.098E-08	9.25E-05	1.07E-04	5.63E-06	8.50E-08	3.41E-08	1.13E-04	9.48E-05	4.328E-06	8.252E-08	3.526E-08	9.922E-05
4655 471363.09, 3860377.25	0.01011	0.0096	0.0098	0.00996	0.00833	1.90E-05	8.422E-07	1.9769E-08	9.307E-09	1.99E-05	2.33E-05	1.03E-06	1.95E-08	5.21E-09	2.43E-05	2.05E-05	7.939E-07	1.895E-08	5.381E-09	2.135E-05
4656 471863.09, 3860377.25	0.01067	0.01009	0.01035	0.01052	0.00877	2.01E-05	8.852E-07	2.088E-08	9.799E-09	2.10E-05	2.46E-05	1.08E-06	2.06E-08	5.49E-09	2.57E-05	2.17E-05	8.344E-07	2.001E-08	5.665E-09	2.252E-05
4657 472363.09, 3860377.25	0.01132	0.01086	0.01101	0.01118	0.00935	2.13E-05	9.527E-07	2.219E-08	1.045E-08	2.23E-05	2.61E-05	1.17E-06	2.19E-08	5.85E-09	2.73E-05	2.30E-05	8.981E-07	2.127E-08	6.04E-09	2.391E-05
4658 472863.09, 3860377.25	0.01206	0.01191	0.01181	0.01195	0.01002	2.27E-05	1.045E-06	2.3719E-08	1.12E-08	2.37E-05	2.78E-05	1.28E-06	2.34E-08	6.27E-09	2.91E-05	2.45E-05	9.849E-07	2.273E-08	6.473E-09	2.55E-05
4659 473363.09, 3860377.25	0.01281	0.01296	0.01267	0.0128	0.01061	2.41E-05	1.137E-06	2.5406E-08	1.185E-08	2.52E-05	2.95E-05	1.39E-06	2.51E-08	6.64E-09	3.09E-05	2.60E-05	1.072E-06	2.435E-08	6.854E-09	2.711E-05
4660 473863.09, 3860377.25	0.01354	0.01376	0.01355	0.0137	0.01114	2.54E-05	1.207E-06	2.7192E-08	1.245E-08	2.67E-05	3.12E-05	1.48E-06	2.68E-08	6.97E-09	3.27E-05	2.75E-05	1.138E-06	2.606E-08	7.196E-09	2.866E-05
4661 474363.09, 3860377.25	0.01411	0.01394	0.01428	0.01459	0.0112	2.65E-05	1.223E-06	2.8958E-08	1.251E-08	2.78E-05	3.25E-05	1.50E-06	2.86E-08	7.00E-09	3.40E-05	2.86E-05	1.153E-06	2.775E-08	7.235E-09	2.984E-05
4662 474863.09, 3860377.25	0.01435	0.01329	0.01464	0.01517	0.01066	2.70E-05	1.166E-06	3.011E-08	1.191E-08	2.82E-05	3.30E-05	1.43E-06	2.97E-08	6.67E-09	3.45E-05	2.91E-05	1.099E-06	2.886E-08	6.886E-09	3.027E-05
4663 475363.09, 3860377.25	0.01354	0.01211	0.01397	0.01457	0.00885	2.54E-05	1.062E-06	2.8919E-08	9.888E-09	2.65E-05	3.12E-05	1.30E-06	2.85E-08	5.54E-09	3.25E-05	2.75E-05	1.001E-06	2.772E-08	5.717E-09	2.853E-05
4664 475863.09, 3860377.25	0.01188	0.01078	0.01232	0.01288	0.00702	2.23E-05	9.457E-07	2.5564E-08	7.844E-09	2.33E-05	2.74E-05	1.16E-06	2.52E-08	4.39E-09	2.85E-05	2.41E-05	8.915E-07	2.45E-08	4.535E-09	2.504E-05
4665 476363.09, 3860377.25	0.00954	0.00902	0.00983	0.01028	0.00537	1.79E-05	7.913E-07	2.0404E-08	6E-09	1.87E-05	2.20E-05	9.70E-07	2.01E-08	3.36E-09	2.30E-05	1.94E-05	7.459E-07	1.956E-08	3.469E-09	2.014E-05
4666 476863.09, 3860377.25	0.00866	0.00866	0.00891	0.00931	0.00489	1.63E-05	7.597E-07	1.8479E-08	5.464E-09	1.71E-05	1.99E-05	9.31E-07	1.82E-08	3.06E-09	2.09E-05	1.76E-05	7.162E-07	1.771E-08	3.159E-09	1.832E-05
4667 477363.09, 3860377.25	0.00504	0.00496	0.00502	0.00539	0.00321	9.47E-06	4.351E-07	1.0698E-08	3.587E-09	9.92E-06	1.16E-05	5.33E-07	1.06E-08	2.01E-09	1.22E-05	1.02E-05	4.102E-07	1.025E-08	2.074E-09	1.066E-05
4668 477863.09, 3860377.25	0.00661	0.00637	0.00666	0.00713	0.00398	1.24E-05	5.588E-07	1.4152E-08	4.447E-09	1.30E-05	1.52E-05	6.85E-07	1.40E-08	2.49E-09	1.59E-05	1.34E-05	5.268E-07	1.356E-08	2.571E-09	1.396E-05
4669 478363.09, 3860377.25	0.0129	0.01272	0.01351	0.01401	0.00715	2.42E-05	1.116E-06	2.7807E-08	7.989E-09	2.54E-05	2.97E-05	1.37E-06	2.74E-08	4.47E-09	3.11E-05	2.62E-05	1.052E-06	2.665E-08	4.619E-09	2.728E-05
4670 478863.09, 3860377.25	0.01851	0.01812	0.01937	0.01971	0.0111	3.48E-05	1.59E-06	3.9121E-08	1.24E-08	3.64E-05	4.26E-05	1.95E-06	3.86E-08	6.94E-09	4.46E-05	3.76E-05	1.499E-06	3.749E-08	7.17E-09	3.913E-05
4671 479363.09, 3860377.25	0.02373	0.02365	0.0244	0.02447	0.01687	4.46E-05	2.075E-06	4.8568E-08	1.885E-08	4.67E-05	5.46E-05	2.54E-06	4.79E-08	1.06E-08	5.72E-05	4.82E-05	1.956E-06	4.655E-08	1.09E-08	5.019E-05
4672 479863.09, 3860377.25	0.02733	0.02788	0.02755	0.02764	0.02279	5.14E-05	2.446E-06	5.486E-08	2.546E-08	5.39E-05	6.29E-05	3.00E-06	5.41E-08	1.43E-08	6.60E-05	5.55E-05	2.306E-06	5.258E-08	1.472E-08	5.786E-05
4673 480363.09, 3860377.25	0.0297	0.03135	0.02983	0.02978	0.02719	5.58E-05	2.75E-06	5.9108E-08	3.038E-08	5.87E-05	6.84E-05	3.37E-06	5.83E-08	1.70E-08	7.18E-05	6.03E-05	2.593E-06	5.665E-08	1.756E-08	6.297E-05
4674 480863.09, 3860377.25	0.03188	0.03475	0.03191	0.0316	0.03056	5.99E-05	3.049E-06	6.272E-08	3.415E-08	6.31E-05	7.34E-05	3.74E-06	6.19E-08	1.91E-08	7.72E-05	6.47E-05	2.874E-06	6.011E-08	1.974E-08	6.768E-05
4675 481363.09, 3860377.25	0.03426	0.03736	0.03435	0.03385	0.03302	6.44E-05	3.277E-06	6.7186E-08	3.689E-08	6.78E-05	7.89E-05	4.02E-06	6.63E-08	2.07E-08	8.30E-05	6.96E-05	3.09E-06	6.439E-08	2.133E-08	7.274E-05
4676 481863.09, 3860377.25	0.03669	0.03665	0.03667	0.03652	0.03615	6.89E-05	3.215E-06	7.2485E-08	4.039E-08	7.23E-05	8.45E-05	3.94E-06	7.15E-08	2.26E-08	8.85E-05	7.45E-05	3.031E-06	6.947E-08	2.335E-08	7.762E-05
4677 482363.09, 3860377.25	0.03921	0.03537	0.03884	0.03917	0.03954	7.37E-05	3.103E-06	7.7745E-08	4.418E-08	7.69E-05	9.03E-05	3.80E-06	7.67E-08	2.47E-08	9.42E-05	7.96E-05	2.925E-06	7.451E-08	2.554E-08	8.264E-05
4678 482863.09, 3860377.25	0.04186	0.0383	0.04113	0.04177	0.04249	7.87E-05	3.36E-06	8.2906E-08	4.747E-08	8.22E-05	9.64E-05	4.12E-06	8.18E-08	2.66E-08	1.01E-04	8.50E-05	3.167E-06	7.946E-08	2.745E-08	8.827E-05
4679 483363.09, 3860377.25	0.04412	0.04028	0.04298	0.04423	0.04594	8.29E-05	3.534E-06	8.7788E-08	5.133E-08	8.66E-05	1.02E-04	4.33E-06	8.66E-08	2.87E-08	1.06E-04	8.96E-05	3.331E-06	8.414E-08	2.968E-08	9.303E-05
4680 483863.09, 3860377.25	0.04672	0.04175	0.04532	0.0468	0.04919	8.78E-05	3.663E-06	9.2889E-08	5.496E-08	9.16E-05	1.08E-04	4.49E-06	9.17E-08	3.08E-08	1.12E-04	9.49E-05	3.453E-06	8.903E-08	3.178E-08	9.843E-05
4681 484363.09, 3860377.25	0.0469	0.04264	0.04485	0.04633	0.05244	8.81E-05	3.741E-06	9.1956E-08	5.859E-08	9.20E-05	1.08E-04	4.58E-06	9.08E-08	3.28E-08	1.13E-04	9.52E-05	3.526E-06	8.813E-08	3.387E-08	9.887E-05
4682 484863.09, 3860377.25	0.0487	0.04574	0.0461	0.04706	0.05574	9.15E-05	4.013E-06	9.3405E-08	6.228E-08	9.57E-05	1.12E-04	4.92E-06	9.22E-08	3.49E-08	1.17E-04	9.89E-05	3.783E-06	8.952E-08	3.601E-08	0.0001028
4683 485363.09, 3860377.25	0.05019	0.05065	0.04718	0.04679	0.05797	9.43E-05	4.443E-06	9.287E-08	6.477E-08	9.89E-05	1.16E-04	5.44E-06	9.17E-08	3.63E-08	1.21E-04	1.02E-04	4.189E-06	8.901E-08	3.745E-08	0.0001062
4684 485863.09, 3860377.25	0.05179	0.05195	0.04818	0.04708	0.06023	9.73E-05	4.557E-06	9.3445E-08	6.73E-08	1.02E-04	1.19E-04	5.58E-06	9.22E-08	3.77E-08	1.25E-04	1.05E-04	4.296E-06	8.956E-08	3.891E-08	0.0001096
4685 486363.09, 3860377.25	0.0525	0.05227	0.0479	0.04642	0.06168	9.87E-05	4.585E-06	9.2135E-08	6.892E-08	1.03E-04	1.21E-04	5.62E-06	9.09E-08	3.86E-08	1.27E-04	1.07E-04	4.323E-06	8.83E-08	3.984E-08	0.000111
4686 486863.09, 3860377.25	0.05327	0.04995	0.04719	0.04554	0.06152	1.00E-04	4.382E-06	9.0388E-08	6.874E-08	1.05E-04	1.23E-04	5.37E-06	8.92E-08	3.85E-08	1.28E-04	1.08E-04	4.131E-06	8.663E-08	3.974E-08	0.0001124
4687 487363.09, 3860377.25	0.05384	0.04695	0.04639	0.04504	0.06057	1.01E-04	4.119E-06	8.9396E-08	6.768E-08	1.05E-04	1.24E-04	5.05E-06	8.82E-08	3.79E-08	1.29E-04	1.09E-04	3.883E-06	8.568E-08	3.913E-08	0.0001133
4688 487863.09, 3860377.25	0.05527	0.05055	0.04754	0.04551	0.06022	1.04E-04	4.435E-06	9.0329E-08	6.728E-08	1.08E-04	1.27E-04	5.43E-06	8.92E-08	3.77E-08	1.33E-04	1.12E-04	4.18E-06	8.657E-08	3.89E-08	0.0001165
4689 488363.09, 3860377.25	0.05564	0.05108	0.04916	0.04587	0.06174	1.05E-04	4.481E-06	9.1043E-08	6.898E-08	1.09E-04	1.28E-04	5.49E-06	8.99E-08	3.86E-08	1.34E-04	1.13E-04	4.224E-06	8.726E-08	3.988E-08	0.0001173
4690 488863.09, 3860377.25	0.0562	0.05222	0.05055	0.04704	0.06285	1.06E-04	4.581E-06	9.3366E-08	7.022E-08	1.10E-04	1.29E-04	5.61E-06	9.21E-08	3.93E-08	1.35E-04	1.14E-04	4.319E-06	8.948E-08	4.06E-08	0.0001186
4691 489363.09, 3860377.25	0.05729	0.05475	0.05244	0.04786	0.06512	1.08E-04	4.803E-06	9.4993E-08	7.276E-08	1.13E-04	1.32E-04	5.89E-06	9.38E-08	4.07E-08	1.38E-04	1.16E-04	4.528E-06	9.104E-08	4.207E-08	0.000121
4692 489863.09, 3860377.25	0.05883	0.05696	0.0545	0.04885	0.06649	1.11E-04	4.997E-06	9.6958E-08	7.429E-08	1.16E-04	1.35E-04	6.12E-06	9.57E-08	4.16E-08	1.42E-04	1.19E-04	4.711E-06	9.292E-08	4.295E-08	0.0001243
4693 490363.09, 3860377.25	0.0586	0.05777	0.05533	0.04955	0.0687	1.10E-04	5.068E-06	9.8348E-08	7.676E-08	1.15E-04	1.35E-04	6.21E-06	9.71E-08	4.30E-08	1.41E-04	1.19E-04	4.778E-06	9.426E-08	4.438E-08	0.0001239
4694 490863.09, 3860377.25	0.05544	0.05532	0.05291	0.04733	0.06547	1.04E-04	4.853E-06	9.3941E-08	7.315E-08	1.09E-04	1.28E-04	5.95E-06	9.27E-08	4.09E-08	1.34E-04	1.13E-04	4.575E-06	9.003E-08	4.229E-08	0.0001173
4695 491363.09, 3860377.25	0.05319	0.05229	0.0501	0.04427	0.06138	1.00E-04	4.587E-06	8.7868E-08	6.858E-08	1.05E-04	1.22E-04	5.62E-06	8.67E-08	3.84E-08	1.28E-04	1.08E-04	4.324E-06	8.421E-08	3.965E-08	0.0001124
4696 491863.09, 3860377.25	0.05363	0.05273	0.05039	0.0437	0.06186	1.01E-04	4.626E-06	8.6736E-08	6.912E-08	1.06E-04	1.23E-04	5.67E-06	8.56E-08	3.87E-08	1.29E-04	1.09E-04	4.361E-06	8.313E-08	3.996E-08	0.0001134
4697 492363.09, 3860377.25	0.05527	0.05634	0.05345	0.04533	0.06505	1.04E-04	4.943E-06	8.9972E-08	7.268E-08	1.09E-04	1.27E-04	6.06E-06	8.88E-08	4.07E-08	1.33E-04	1.12E-04	4.659E-06	8.623E-08	4.202E-08	0.000117
4698 492863.09, 3860377.25	0.05548	0.0582	0.05531	0.04702	0.06706	1.04E-04	5.106E-06	9.3326E-08	7.493E-08	1.10E-04	1.28E-04	6.26E-06	9.21E-08	4.19E-08	1.34E-04	1.13E-04	4.813E-06	8.944E-08	4.332E-08	0.0001176
4699 493363.09, 3860377.25	0.05613	0.05963	0.05739	0.04921	0.06701	1.05E-04	5.231E-06	9.7673E-08	7.487E-08	1.11E-04	1.29E-04	6.41E-06	9.64E-08	4.19E-08	1.36E-04	1.14E-04	4.931E-06	9.361E-08	4.329E-08	0.000119
4700 493863.09, 3860377.25	0.05501	0.05828	0.05658	0.0489	0.06599	1.03E-04	5.113E-06	9.7057E-08	7.373E-08	1.09E-04	1.27E-04	6.27E-06	9.58E-08	4.13E-08	1.33E-04	1.12E-04	4.82E-06	9.302E-08	4.263E-08	0.0001166
4701 494363.09, 3860377.25	0.05403	0.0576	0.056	0.04831	0.06332	1.02E-04	5.053E-06	9.5886E-08	7.075E-08	1.07E-04	1.24E-04	6.19E-06	9.46E-08	3.96E-08	1.31E-04	1.10E-04	4.763E-06	9.19E-08	4.09E-08	0.0001146
4702 494863.09, 3860377.25	0.05211	0.05575	0.05406	0.04659	0.0612	9.79E-05	4.891E-06	9.2473E-08	6.838E-08	1.03E-04	1.20E-04	5.99E-06	9.13E-08	3.83E-08	1.26E-04	1.06E-04	4.61E-06	8.863E-08	3.953E-08	0.0001105
4703 495363.09, 3860377.25	0.05052	0.05443	0.05278	0.04533	0.05834	9.49E-05	4.775E-06	8.9972E-08	6.518E-08	9.99E-05	1.16E-04	5.85E-06	8.88E-08	3.65E-08	1.22E-04	1.03E-04	4.501E-06	8.623E-08	3.769E-08	0.0001072
4704 495863.09, 3860377.25	0.04877	0.05266	0.0515	0.04428	0.05363	9.16E-05	4.62E-06	8.7888E-08	5.992E-08	9.64E-05	1.12E-04	5.66E-06	8.67E-08	3.35E-08	1.18E-04	9.90E-05	4.355E-06	8.423E-08	3.464E-08	0.0001035
4705 496363.09, 3860377.25	0.04644	0.04991	0.04886	0.04326	0.0482	8.73E-05	4.378E-06	8.5863E-08	5.385E-08	9.18E-05	1.07E-04	5.37E-06	8.47E-08	3.01E-08	1.12E-04	9.43E-05	4.127E-06	8.229E-08	3.114E-08	9.853E-05
4706 496863.09, 3860377.25	0.04376	0.04712	0.04645	0.04152	0.04357	8.22E-05	4.134E-06	8.241E-08	4.868E-08	8.65E-05	1.01E-04	5.07E-06	8.13E-08	2.73E-08	1.06E-04	8.88E-05	3.897E-06	7.898E-08	2.814E-08	9.285E-05
4707 497363.09, 3860377.25	0.04022	0.04335	0.04313	0.03883	0.03811	7.56E-05	3.803E-06	7.707E-08	4.258E-08	7.95E-05	9.26E-05	4.66E-06	7.61E-08	2.38E-08	9.74E-05	8.17E-05	3.585E-06	7.386E-08	2.462E-08	8.535E-05
4708 497863.09, 3860377.25	0.04215	0.04515	0.04469	0.03967	0.0441	7.92E-05	3.961E-06	7.8738E-08	4.927E-08	8.33E-05	9.71E-05	4.85E-06	7.77E-08	2.76E-08	1.02E-04	8.56E-05	3.734E-06	7.546E-08	2.849E-08	8.942E-05
4709 498363.09, 3860377.25	0.0413	0.0454	0.04451	0.03804	0.04741	7.76E-05	3.983E-06	7.5502E-08	5.297E-08	8.17E-05	9.51E-05	4.88E-06	7.45E-08	2.97E-08	1.00E-04	8.39E-05	3.755E-06	7.236E-08	3.063E-08	8.771E-05
4710 471363.09, 3860877.25	0.01014	0.00967	0.00986	0.01005	0.00861	1.91E-05	8.483E-07	1.9947E-08	9.62E-09	1.99E-05	2.34E-05	1.04E-06	1.97E-08	5.39E-09	2.44E-05	2.06E-05	7.997E-07	1.912E-08	5.562E-09	2.141E-05
4711 471863.09, 3860877.25	0.01071	0.01053	0.01051	0.01066	0.00907	2.01E-05	9.238E-07	2.1158E-08	1.013E-08	2.11E-05	2.47E-05	1.13E-06	2.09E-08	5.67E-09	2.58E-05	2.17E-05	8.708E-07	2.028E-08	5.859E-09	2.264E-05
4712 472363.09, 3860877.25	0.0113	0.01143	0.01122	0.01134	0.00954	2.12E-05	1.003E-06	2.2508E-08	1.066E-08	2.23E-05	2.60E-05	1.23E-06	2.22E-08	5.97E-09	2.73E-05	2.29E-05	9.452E-07	2.157E-08	6.163E-09	2.392E-05
4713 472863.09, 3860877.25	0.01195	0.01205	0.01202	0.01212	0.01022	2.25E-05	1.057E-06	2.4056E-08	1.142E-08	2.35E-05	2.75E-05	1.30E-06	2.37E-08	6.39E-09	2.88E-05	2.43E-05	9.965E-07	2.306E-08	6.602E-09	2.529E-05
4714 473363.09, 3860877.25	0.01258	0.01244	0.01275	0.0129	0.01091	2.36E-05	1.091E-06	2.5604E-08	1.219E-08	2.48E-05	2.90E-05	1.34E-06	2.53E-08	6.82E-09	3.03E-05	2.55E-05	1.029E-06	2.454E-08	7.048E-09	2.66E-05
4715 473863.09, 3860877.25	0.01318	0.01256	0.01344	0.01367	0.01167	2.48E-05	1.102E-06	2.7132E-08	1.304E-08	2.59E-05	3.04E-05	1.35E-06	2.68E-08	7.30E-09	3.17E-05	2.68E-05	1.039E-06	2.6E-08	7.538E-09	2.783E-05
4716 474363.09, 3860877.25	0.01379	0.01249	0.01401	0.01441	0.01226	2.59E-05	1.096E-06	2.8601E-08	1.37E-08	2.71E-05	3.18E-05	1.34E-06	2.82E-08	7.67E-09	3.31E-05	2.80E-05	1.033E-06	2.741E-08	7.92E-09	2.907E-05

4717 474863.09, 3860877.25	0.01445	0.01281	0.01464	0.01512	0.01283	2.72E-05	1.124E-06	3.001E-08	1.434E-08	2.83E-05	3.33E-05	1.38E-06	2.96E-08	8.02E-09	3.47E-05	2.93E-05	1.059E-06	2.876E-08	8.288E-09	3.044E-05
4718 475363.09, 3860877.25	0.01486	0.01344	0.01515	0.0156	0.01246	2.79E-05	1.179E-06	3.0963E-08	1.392E-08	2.91E-05	3.42E-05	1.44E-06	3.06E-08	7.79E-09	3.57E-05	3.02E-05	1.111E-06	2.968E-08	8.049E-09	3.132E-05
4719 475863.09, 3860877.25	0.01488	0.01429	0.01536	0.01566	0.01128	2.80E-05	1.254E-06	3.1082E-08	1.26E-08	2.93E-05	3.43E-05	1.54E-06	3.07E-08	7.05E-09	3.58E-05	3.02E-05	1.182E-06	2.979E-08	7.287E-09	3.143E-05
4720 476363.09, 3860877.25	0.01423	0.01457	0.01492	0.01508	0.00947	2.67E-05	1.278E-06	2.9931E-08	1.058E-08	2.81E-05	3.28E-05	1.57E-06	2.95E-08	5.92E-09	3.44E-05	2.89E-05	1.205E-06	2.869E-08	6.117E-09	3.013E-05
4721 476863.09, 3860877.25	0.0141	0.01451	0.01484	0.01501	0.00887	2.65E-05	1.273E-06	2.9792E-08	9.911E-09	2.78E-05	3.25E-05	1.56E-06	2.94E-08	5.55E-09	3.41E-05	2.86E-05	1.2E-06	2.855E-08	5.73E-09	2.986E-05
4722 477363.09, 3860877.25	0.01472	0.01473	0.01546	0.01569	0.00919	2.77E-05	1.292E-06	3.1142E-08	1.027E-08	2.90E-05	3.39E-05	1.58E-06	3.07E-08	5.75E-09	3.55E-05	2.99E-05	1.218E-06	2.985E-08	5.936E-09	3.114E-05
4723 477863.09, 3860877.25	0.01325	0.01279	0.01391	0.0143	0.00768	2.49E-05	1.122E-06	2.8383E-08	8.581E-09	2.61E-05	3.05E-05	1.37E-06	2.80E-08	4.80E-09	3.19E-05	2.69E-05	1.058E-06	2.72E-08	4.961E-09	2.799E-05
4724 478363.09, 3860877.25	0.00805	0.00712	0.00814	0.00875	0.00467	1.51E-05	6.246E-07	1.7367E-08	5.218E-09	1.58E-05	1.85E-05	7.65E-07	1.71E-08	2.92E-09	1.93E-05	1.63E-05	5.888E-07	1.664E-08	3.017E-09	1.695E-05
4725 478863.09, 3860877.25	0.01709	0.01658	0.01779	0.01807	0.01036	3.21E-05	1.455E-06	3.5866E-08	1.158E-08	3.36E-05	3.94E-05	1.78E-06	3.54E-08	6.48E-09	4.12E-05	3.47E-05	1.371E-06	3.437E-08	6.692E-09	3.611E-05
4726 479363.09, 3860877.25	0.02212	0.02368	0.02265	0.02261	0.01645	4.16E-05	2.077E-06	4.4877E-08	1.838E-08	4.37E-05	5.09E-05	2.55E-06	4.43E-08	1.03E-08	5.35E-05	4.49E-05	1.958E-06	4.301E-08	1.063E-08	4.692E-05
4727 479863.09, 3860877.25	0.025	0.02767	0.02507	0.02488	0.02162	4.70E-05	2.427E-06	4.9382E-08	2.416E-08	4.95E-05	5.76E-05	2.97E-06	4.87E-08	1.35E-08	6.06E-05	5.08E-05	2.288E-06	4.733E-08	1.397E-08	5.311E-05
4728 480363.09, 3860877.25	0.02696	0.0293	0.02689	0.02644	0.02532	5.07E-05	2.57E-06	5.2479E-08	2.829E-08	5.33E-05	6.21E-05	3.15E-06	5.18E-08	1.58E-08	6.53E-05	5.47E-05	2.423E-06	5.03E-08	1.636E-08	5.723E-05
4729 480863.09, 3860877.25	0.02888	0.03008	0.0286	0.02822	0.02765	5.43E-05	2.639E-06	5.6011E-08	3.089E-08	5.70E-05	6.65E-05	3.23E-06	5.53E-08	1.73E-08	6.98E-05	5.86E-05	2.488E-06	5.368E-08	1.786E-08	6.12E-05
4730 481363.09, 3860877.25	0.03078	0.02972	0.03028	0.03032	0.03002	5.78E-05	2.607E-06	6.018E-08	3.354E-08	6.05E-05	7.09E-05	3.19E-06	5.94E-08	1.88E-08	7.42E-05	6.25E-05	2.458E-06	5.768E-08	1.939E-08	6.503E-05
4731 481863.09, 3860877.25	0.03262	0.02941	0.03185	0.03248	0.03243	6.13E-05	2.58E-06	6.4467E-08	3.623E-08	6.40E-05	7.51E-05	3.16E-06	6.36E-08	2.03E-08	7.84E-05	6.62E-05	2.432E-06	6.179E-08	2.095E-08	6.875E-05
4732 482363.09, 3860877.25	0.0344	0.03093	0.03328	0.03419	0.03497	6.46E-05	2.713E-06	6.7861E-08	3.907E-08	6.75E-05	7.92E-05	3.33E-06	6.70E-08	2.19E-08	8.26E-05	6.98E-05	2.558E-06	6.504E-08	2.259E-08	7.249E-05
4733 482863.09, 3860877.25	0.03648	0.0338	0.03531	0.03633	0.03651	6.86E-05	2.965E-06	7.2108E-08	4.079E-08	7.16E-05	8.40E-05	3.63E-06	7.12E-08	2.28E-08	8.77E-05	7.41E-05	2.795E-06	6.911E-08	2.358E-08	7.696E-05
4734 483363.09, 3860877.25	0.03847	0.0345	0.03733	0.03861	0.03901	7.23E-05	3.027E-06	7.6634E-08	4.359E-08	7.54E-05	8.86E-05	3.71E-06	7.56E-08	2.44E-08	9.24E-05	7.81E-05	2.853E-06	7.345E-08	2.52E-08	8.106E-05
4735 483863.09, 3860877.25	0.0402	0.03692	0.03895	0.04013	0.0421	7.55E-05	3.239E-06	7.9651E-08	4.704E-08	7.89E-05	9.26E-05	3.97E-06	7.86E-08	2.63E-08	9.66E-05	8.16E-05	3.053E-06	7.634E-08	2.72E-08	8.478E-05
4736 484363.09, 3860877.25	0.04102	0.03866	0.03939	0.04044	0.0448	7.71E-05	3.392E-06	8.0266E-08	5.006E-08	8.06E-05	9.45E-05	4.16E-06	7.92E-08	2.80E-08	9.87E-05	8.33E-05	3.197E-06	7.693E-08	2.894E-08	8.659E-05
4737 484863.09, 3860877.25	0.04089	0.03904	0.03886	0.03943	0.04652	7.68E-05	3.425E-06	7.8261E-08	5.198E-08	8.04E-05	9.42E-05	4.20E-06	7.72E-08	2.91E-08	9.85E-05	8.30E-05	3.229E-06	7.501E-08	3.005E-08	8.636E-05
4738 485363.09, 3860877.25	0.04186	0.0418	0.03935	0.03916	0.04807	7.87E-05	3.667E-06	7.7725E-08	5.371E-08	8.25E-05	9.64E-05	4.49E-06	7.67E-08	3.01E-08	1.01E-04	8.50E-05	3.457E-06	7.449E-08	3.105E-08	8.855E-05
4739 485863.09, 3860877.25	0.0433	0.04217	0.04011	0.03969	0.04898	8.14E-05	3.699E-06	7.8777E-08	5.473E-08	8.52E-05	9.97E-05	4.53E-06	7.77E-08	3.06E-08	1.04E-04	8.79E-05	3.487E-06	7.55E-08	3.164E-08	9.151E-05
4740 486363.09, 3860877.25	0.04312	0.04305	0.03911	0.03856	0.04902	8.10E-05	3.777E-06	7.6534E-08	5.477E-08	8.49E-05	9.93E-05	4.63E-06	7.55E-08	3.07E-08	1.04E-04	8.75E-05	3.56E-06	7.335E-08	3.167E-08	9.122E-05
4741 486863.09, 3860877.25	0.04333	0.04035	0.03856	0.03791	0.04855	8.14E-05	3.54E-06	7.5244E-08	5.425E-08	8.51E-05	9.98E-05	4.34E-06	7.43E-08	3.04E-08	1.04E-04	8.80E-05	3.337E-06	7.211E-08	3.136E-08	9.142E-05
4742 487363.09, 3860877.25	0.04323	0.03764	0.03772	0.03741	0.04783	8.12E-05	3.302E-06	7.4252E-08	5.344E-08	8.47E-05	9.96E-05	4.05E-06	7.33E-08	2.99E-08	1.04E-04	8.78E-05	3.113E-06	7.116E-08	3.09E-08	9.099E-05
4743 487863.09, 3860877.25	0.04299	0.03919	0.03774	0.03708	0.04677	8.08E-05	3.438E-06	7.3597E-08	5.226E-08	8.44E-05	9.90E-05	4.21E-06	7.26E-08	2.93E-08	1.03E-04	8.73E-05	3.241E-06	7.054E-08	3.021E-08	9.063E-05
4744 488363.09, 3860877.25	0.04435	0.04246	0.04013	0.03803	0.0485	8.33E-05	3.725E-06	7.5483E-08	5.419E-08	8.72E-05	1.02E-04	4.56E-06	7.45E-08	3.03E-08	1.07E-04	9.00E-05	3.511E-06	7.234E-08	3.133E-08	9.366E-05
4745 488863.09, 3860877.25	0.04357	0.04043	0.03995	0.03794	0.04896	8.19E-05	3.547E-06	7.5304E-08	5.47E-08	8.56E-05	1.00E-04	4.35E-06	7.43E-08	3.06E-08	1.05E-04	8.85E-05	3.344E-06	7.217E-08	3.163E-08	9.191E-05
4746 489363.09, 3860877.25	0.04511	0.04352	0.04206	0.03932	0.05042	8.48E-05	3.818E-06	7.8043E-08	5.633E-08	8.87E-05	1.04E-04	4.68E-06	7.70E-08	3.15E-08	1.09E-04	9.16E-05	3.599E-06	7.48E-08	3.257E-08	9.53E-05
4747 489863.09, 3860877.25	0.04454	0.04333	0.04193	0.03878	0.05108	8.37E-05	3.801E-06	7.6971E-08	5.707E-08	8.76E-05	1.03E-04	4.66E-06	7.60E-08	3.19E-08	1.07E-04	9.04E-05	3.583E-06	7.377E-08	3.3E-08	9.412E-05
4748 490363.09, 3860877.25	0.0453	0.04464	0.04316	0.03927	0.05186	8.51E-05	3.916E-06	7.7944E-08	5.794E-08	8.92E-05	1.04E-04	4.80E-06	7.69E-08	3.24E-08	1.09E-04	9.20E-05	3.692E-06	7.47E-08	3.35E-08	9.578E-05
4749 490863.09, 3860877.25	0.04563	0.04573	0.04427	0.04023	0.05388	8.57E-05	4.012E-06	7.9849E-08	6.02E-08	8.99E-05	1.05E-04	4.92E-06	7.88E-08	3.37E-08	1.10E-04	9.26E-05	3.782E-06	7.653E-08	3.48E-08	9.654E-05
4750 491363.09, 3860877.25	0.0437	0.04433	0.04282	0.03892	0.05213	8.21E-05	3.889E-06	7.7249E-08	5.825E-08	8.61E-05	1.01E-04	4.77E-06	7.62E-08	3.26E-08	1.06E-04	8.87E-05	3.666E-06	7.404E-08	3.367E-08	9.25E-05
4751 491863.09, 3860877.25	0.04183	0.04217	0.04079	0.03671	0.04876	7.86E-05	3.699E-06	7.2863E-08	5.448E-08	8.24E-05	9.63E-05	4.53E-06	7.19E-08	3.05E-08	1.01E-04	8.49E-05	3.487E-06	6.983E-08	3.15E-08	8.852E-05
4752 492363.09, 3860877.25	0.04067	0.04075	0.03941	0.03511	0.04737	7.64E-05	3.575E-06	6.9687E-08	5.293E-08	8.01E-05	9.37E-05	4.38E-06	6.88E-08	2.96E-08	9.81E-05	8.26E-05	3.37E-06	6.679E-08	3.06E-08	8.604E-05
4753 492863.09, 3860877.25	0.04145	0.04195	0.0404	0.03533	0.04871	7.79E-05	3.68E-06	7.0124E-08	5.442E-08	8.17E-05	9.55E-05	4.51E-06	6.92E-08	3.05E-08	1.00E-04	8.42E-05	3.469E-06	6.721E-08	3.147E-08	8.773E-05
4754 493363.09, 3860877.25	0.04296	0.04473	0.04287	0.0369	0.05147	8.07E-05	3.924E-06	7.324E-08	5.751E-08	8.48E-05	9.89E-05	4.81E-06	7.23E-08	3.22E-08	1.04E-04	8.72E-05	3.699E-06	7.019E-08	3.325E-08	9.103E-05
4755 493863.09, 3860877.25	0.0433	0.04595	0.04423	0.03823	0.05296	8.14E-05	4.031E-06	7.5879E-08	5.917E-08	8.55E-05	9.97E-05	4.94E-06	7.49E-08	3.31E-08	1.05E-04	8.79E-05	3.8E-06	7.272E-08	3.421E-08	9.182E-05
4756 494363.09, 3860877.25	0.04337	0.04617	0.0449	0.03919	0.0532	8.15E-05	4.05E-06	7.7785E-08	5.944E-08	8.57E-05	9.99E-05	4.96E-06	7.68E-08	3.33E-08	1.05E-04	8.81E-05	3.818E-06	7.455E-08	3.437E-08	9.198E-05
4757 494863.09, 3860877.25	0.04322	0.04604	0.04506	0.03946	0.0525	8.12E-05	4.039E-06	7.8321E-08	5.866E-08	8.54E-05	9.95E-05	4.95E-06	7.73E-08	3.28E-08	1.05E-04	8.78E-05	3.807E-06	7.506E-08	3.391E-08	9.167E-05
4758 495363.09, 3860877.25	0.0426	0.04556	0.04459	0.03897	0.05113	8.01E-05	3.997E-06	7.7348E-08	5.713E-08	8.42E-05	9.81E-05	4.90E-06	7.63E-08	3.20E-08	1.03E-04	8.65E-05	3.768E-06	7.413E-08	3.303E-08	9.037E-05
4759 495863.09, 3860877.25	0.04144	0.04453	0.04347	0.03789	0.04947	7.79E-05	3.906E-06	7.5205E-08	5.527E-08	8.19E-05	9.54E-05	4.79E-06	7.42E-08	3.09E-08	1.00E-04	8.41E-05	3.683E-06	7.208E-08	3.196E-08	8.793E-05
4760 496363.09, 3860877.25	0.04073	0.04404	0.04299	0.03728	0.04748	7.65E-05	3.863E-06	7.3994E-08	5.305E-08	8.05E-05	9.38E-05	4.73E-06	7.30E-08	2.97E-08	9.86E-05	8.27E-05	3.642E-06	7.092E-08	3.067E-08	8.644E-05
4761 496863.09, 3860877.25	0.03971	0.043	0.04232	0.03666	0.04384	7.46E-05	3.772E-06	7.2763E-08	4.898E-08	7.85E-05	9.14E-05	4.62E-06	7.18E-08	2.74E-08	9.62E-05	8.06E-05	3.556E-06	6.974E-08	2.832E-08	8.428E-05
4762 497363.09, 3860877.25	0.03856	0.04179	0.04116	0.0357	0.04275	7.25E-05	3.666E-06	7.0858E-08	4.777E-08	7.62E-05	8.88E-05	4.49E-06	6.99E-08	2.67E-08	9.34E-05	7.83E-05	3.456E-06	6.791E-08	2.762E-08	8.184E-05
4763 497863.09, 3860877.25	0.03747	0.04042	0.03974	0.03502	0.04091	7.04E-05	3.546E-06	6.9508E-08	4.571E-08	7.41E-05	8.63E-05	4.35E-06	6.86E-08	2.56E-08	9.07E-05	7.61E-05	3.343E-06	6.662E-08	2.643E-08	7.951E-05
4764 498363.09, 3860877.25	0.03637	0.03975	0.03905	0.03369	0.04151	6.83E-05	3.487E-06	6.6868E-08	4.638E-08	7.19E-05	8.38E-05	4.27E-06	6.60E-08	2.60E-08	8.81E-05	7.38E-05	3.287E-06	6.409E-08	2.681E-08	7.722E-05
4765 471363.09, 3861377.25	0.01008	0.01023	0.0101	0.01013	0.0087	1.89E-05	8.974E-07	2.0106E-08	9.721E-09	1.99E-05	2.32E-05	1.10E-06	1.98E-08	5.44E-09	2.43E-05	2.05E-05	8.46E-07	1.927E-08	5.62E-09	2.134E-05
4766 471863.09, 3861377.25	0.0106	0.01082	0.01072	0.01075	0.0092	1.99E-05	9.492E-07	2.1337E-08	1.028E-08	2.09E-05	2.44E-05	1.16E-06	2.11E-08	5.75E-09	2.56E-05	2.15E-05	8.948E-07	2.045E-08	5.943E-09	2.244E-05
4767 472363.09, 3861377.25	0.01112	0.0112	0.01133	0.0114	0.00984	2.09E-05	9.825E-07	2.2627E-08	1.099E-08	2.19E-05	2.56E-05	1.20E-06	2.23E-08	6.15E-09	2.68E-05	2.26E-05	9.262E-07	2.169E-08	6.356E-09	2.353E-05
4768 472863.09, 3861377.25	0.01167	0.01143	0.01191	0.01206	0.01066	2.19E-05	1.003E-06	2.3937E-08	1.191E-08	2.30E-05	2.69E-05	1.23E-06	2.36E-08	6.67E-09	2.81E-05	2.37E-05	9.452E-07	2.294E-08	6.886E-09	2.467E-05
4769 473363.09, 3861377.25	0.01219	0.0115	0.01246	0.01265	0.0114	2.29E-05	1.009E-06	2.5108E-08	1.274E-08	2.40E-05	2.81E-05	1.24E-06	2.48E-08	7.13E-09	2.93E-05	2.48E-05	9.51E-07	2.406E-08	7.364E-09	2.573E-05
4770 473863.09, 3861377.25	0.01271	0.01169	0.01298	0.0132	0.01193	2.39E-05	1.026E-06	2.62E-08	1.333E-08	2.49E-05	2.93E-05	1.26E-06	2.59E-08	7.46E-09	3.06E-05	2.58E-05	9.667E-07	2.511E-08	7.706E-09	2.681E-05
4771 474363.09, 3861377.25	0.01331	0.01222	0.01353	0.01374	0.01263	2.50E-05	1.072E-06	2.7271E-08	1.411E-08	2.61E-05	3.07E-05	1.31E-06	2.69E-08	7.90E-09	3.20E-05	2.70E-05	1.011E-06	2.614E-08	8.159E-09	2.807E-05
4772 474863.09, 3861377.25	0.01391	0.01308	0.01411	0.01433	0.01291	2.61E-05	1.147E-06	2.8442E-08	1.442E-08	2.73E-05	3.20E-05	1.41E-06	2.81E-08	8.07E-09	3.35E-05	2.82E-05	1.082E-06	2.726E-08	8.339E-09	2.936E-05
4773 475363.09, 3861377.25	0.0146	0.01403	0.01476	0.01496	0.01357	2.74E-05	1.231E-06	2.9693E-08	1.516E-08	2.87E-05	3.36E-05	1.51E-06	2.93E-08	8.49E-09	3.52E-05	2.96E-05	1.16E-06	2.846E-08	8.766E-09	3.084E-05
4774 475863.09, 3861377.25	0.01518	0.01491	0.01536	0.01554	0.01362	2.85E-05	1.308E-06	3.0844E-08	1.522E-08	2.99E-05	3.50E-05	1.60E-06	3.04E-08	8.52E-09	3.66E-05	3.08E-05	1.233E-06	2.956E-08	8.798E-09	3.209E-05
4775 476363.09, 3861377.25	0.01563	0.01537	0.01593	0.01604	0.01328	2.94E-05	1.348E-06	3.1836E-08	1.484E-08	3.08E-05	3.60E-05	1.65E-06	3.14E-08	8.31E-09	3.77E-05	3.17E-05	1.271E-06	3.051E-08	8.578E-09	3.304E-05
4776 476863.09, 3861377.25	0.01608	0.01555	0.01642	0.01657	0.01308	3.02E-05	1.364E-06	3.2888E-08	1.461E-08	3.16E-05	3.70E-05	1.67E-06	3.25E-08	8.18E-09	3.87E-05	3.26E-05	1.286E-06	3.152E-08	8.449E-09	3.397E-05
4777 477363.09, 3861377.25	0.01653	0.01572	0.01688	0.01712	0.01296	3.11E-05	1.379E-06	3.398E-08	1.448E-08	3.25E-05	3.81E-05	1.69E-06	3.35E-08	8.11E-09	3.98E-05	3.36E-05	1.3E-06	3.257E-08	8.372E-09	3.49E-05
4778 477863.09, 3861377.25	0.01512	0.01432	0.01565	0.01601	0.01001	2.84E-05	1.256E-06	3.1777E-08	1.118E-08	2.97E-05	3.48E-05	1.54E-06	3.14E-08	6.26E-09	3.64E-05	3.07E-05	1.184E-06	3.046E-08	6.466E-09	3.192E-05
4779 478363.09, 3861377.25	0.00985	0.00937	0.01009	0.01062	0.00554	1.85E-05	8.22E-07	2.1079E-08	6.19E-09	1.94E-05	2.27E-05	1.01E-06	2.08E-08	3.46E-09	2.37E-05	2.00E-05	7.749E-07	2.02E-08	3.579E-09	2.08E-05
4780 478863.09, 3861377.25	0.01236	0.01349	0.01285	0.01305	0.0069	2.32E-05	1.183E-06	2.5902E-08	7.709E-09	2.44E-05	2.85E-05	1.45E-06	2.56E-08	4.32E-09	2.99E-05	2.51E-05	1.116E-06	2.482E-08	4.457E-09	2.624E-05
4781 479363.09, 3861377.25	0.01996	0.02312	0.02056	0.02008	0.01466	3.75E-05	2.028E-06	3.9855E-08	1.638E-08	3.96E-05	4.60E-05	2.49E-06	3.93E-08	9.17E-09	4.85E-05	4.05E-05	1.912E-06	3.82E-08	9.47E-09	4.249E-05
4782 479863.09, 3861377.25	0.02288	0.02391	0.02277	0.0224	0.01995	4.30E-05	2.098E-06	4.446E-08	2.229E-08	4.52E-05	5.27E-05	2.57E-06	4.39E-08	1.25E-08	5.53E-05	4.65E-05	1.977E-06	4.261E-08	1.289E-08	4.849E-05
4783 480363.09, 3861377.25	0.02472	0.02433	0.02414	0.02402	0.02345	4.65E-05	2.134E-06	4.7675E-08	2.62E-08	4.87E-05	5.69E-05	2.62E-06	4.71E-08	1.47E-08	5.96E-05	5.02E-05	2.012E-06	4.569E-08	1.515E-08	5.226E-05
4784 480863.09, 3861377.25	0.02613	0.02482	0.02531	0.0256	0.02534	4.91E-05	2.177E-06	5.0811E-08	2.831E-08	5.14E-05	6.02E-05	2.67E-06	5.01E-08	1.58E-08	6.29E-05	5.31E-05	2.053E-06	4.87E-08	1.637E-08	5.517E-05
4785 481363.09, 3861377.25	0.02751	0.02552	0.02653	0.02725	0.02706	5.17E-05	2.239E-06	5.4086E-08	3.023E-08	5.40E-05	6.34E-05	2.74E-06	5.34E-08	1.69E-08	6.62E-05	5.59E-05	2.11E-06	5.184E-08	1.748E-08	5.804E-05
4786 481863.09, 3861377.25	0.02894	0.0261	0.02787	0.02885	0.02873	5.44E-05	2.29E-06	5.7262E-08	3.21E-08	5.68E-05	6.66E-05	2.81E-06	5.65E-08	1.80E-08	6.95E-05	5.88E-05	2.158E-06	5.488E-08	1.856E-08	6.099E-05
4787 482363.09, 3861377.25	0.03051	0.02768	0.02937	0.03028	0.03043	5.73E-05	2.428E-06	6.01E-08	3.4E-08	5.99E-05	7.03E-05	2.98E-06	5.93E-08	1.90E-08	7.33E-05	6.19E-05	2.289E-06	5.76E-08	1.966E-08	6.431E-05
4788 482863.09, 3861377.25	0.03213	0.02923	0.031	0.03206	0.03217	6.04E-05	2.564E-06	6.3633E-08	3.594E-08	6.30E-05	7.40E-05	3.14E-06	6.28E-08	2.01E-08	7.72E-05	6.52E-05	2.417E-06	6.099E-08	2.078E-08	6.774E-05
4789 483363.09, 3861377.25	0.03351	0.03061	0.03242	0.03354	0.03454	6.30E-05	2.685E-06	6.6571E-08	3.859E-08	6.58E-05	7.72E-05	3.29E-06	6.57E-08	2.16E-08	8.05E-05	6.80E-05	2.531E-06	6.38E-08	2.231E-08	7.066E-05
4790 483863.09, 3861377.25	0.03462	0.03287	0.03352	0.0344	0.03662	6.51E-05	2.884E-06	6.8278E-08	4.092E-08	6.81E-05	7.97E-05	3.53E-06	6.74E-08	2.29E-08	8.33E-05	7.03E-05	2.718E-06	6.544E-08	2.366E-08	7.31E-05
4791 484363.09, 3861377.25	0.03584	0.03427	0.03472	0.0354	0.03839	6.74E-05	3.006E-06	7.0262E-08	4.289E-08	7.05E-05	8.25E-05	3.68E-06	6.93E-08	2.40E-08	8.63E-05	7.28E-05	2.834E-06	6.734E-08	2.48E-08	7.57E-05
4792 484863.09, 3861377.25	0.03566	0.03475	0.03398	0.03436	0.03996	6.70E-05	3.049E-06	6.8198E-08	4.465E-08	7.02E-05	8.21E-05	3.74E-06	6.73E-08	2.50E-08	8.59E-05	7.24E-05	2.874E-06	6.536E-08	2.581E-08	7.537E-05
4793 485363.09, 3861377.25	0.0355	0.0339	0.03312	0.03329	0.04014	6.67E-05	2.974E-06	6.6074E-08	4.485E-08	6.98E-05	8.17E-05	3.64E-06	6.52E-08	2.51E-08	8.55E-05	7.21E-05	2.803E-06	6.333E-08	2.593E-08	7.497E-05
4794 485863.09, 3861377.25	0.03604	0.03481	0.03298	0.03312	0.04019	6.77E-05	3.054E-06	6.5737E-08	4.49E-08	7.09E-05	8.30E-05	3.74E-06	6.49E-08	2.51E-08	8.68E-05	7.32E-05	2.879E-06	6.3E-08	2.596E-08	7.614E-05
4795 486363.09, 3861377.25	0.03622	0.03589	0.03272	0.03266	0.03977	6.81E-05	3.149E-06	6.4824E-08	4.444E-08	7.13E-05	8.34E-05	3.86E-06	6.40E-08	2.49E-08	8.74E-05	7.35E-05	2.968E-06	6.213E-08	2.569E-08	7.66E-05
4796 486863.09, 3861377.25	0.03624	0.03385	0.03237	0.03228	0.03978	6.81E-05	2.97E-06	6.407E-08	4.445E-08	7.12E-05	8.35E-05	3.64E-06	6.32E-08	2.49E-08	8.72E-05	7.36E-05	2.799E-06	6.14E-08	2.57E-08	7.647E-05

4797 487363.09, 3861377.25	0.03584	0.03125	0.03162	0.03187	0.03904	6.74E-05	2.741E-06	6.3256E-08	4.362E-08	7.02E-05	8.25E-05	3.36E-06	6.24E-08	2.44E-08	8.60E-05	7.28E-05	2.584E-06	6.062E-08	2.522E-08	7.544E-05
4798 487863.09, 3861377.25	0.03557	0.03183	0.03149	0.03161	0.03825	6.68E-05	2.792E-06	6.274E-08	4.274E-08	6.97E-05	8.19E-05	3.42E-06	6.19E-08	2.39E-08	8.54E-05	7.22E-05	2.632E-06	6.013E-08	2.471E-08	7.494E-05
4799 488363.09, 3861377.25	0.0352	0.03427	0.03212	0.03106	0.0384	6.61E-05	3.006E-06	6.1648E-08	4.29E-08	6.93E-05	8.11E-05	3.68E-06	6.08E-08	2.40E-08	8.48E-05	7.15E-05	2.834E-06	5.908E-08	2.481E-08	7.439E-05
4800 488863.09, 3861377.25	0.0353	0.03324	0.03274	0.03143	0.0396	6.63E-05	2.916E-06	6.2383E-08	4.425E-08	6.94E-05	8.13E-05	3.57E-06	6.16E-08	2.48E-08	8.49E-05	7.17E-05	2.749E-06	5.979E-08	2.558E-08	7.451E-05
4801 489363.09, 3861377.25	0.03556	0.03376	0.03325	0.0318	0.03962	6.68E-05	2.962E-06	6.3117E-08	4.427E-08	6.99E-05	8.19E-05	3.63E-06	6.23E-08	2.48E-08	8.56E-05	7.22E-05	2.792E-06	6.049E-08	2.559E-08	7.508E-05
4802 489863.09, 3861377.25	0.03611	0.0353	0.03438	0.03245	0.04109	6.79E-05	3.097E-06	6.4407E-08	4.591E-08	7.11E-05	8.32E-05	3.79E-06	6.36E-08	2.57E-08	8.70E-05	7.33E-05	2.919E-06	6.173E-08	2.654E-08	7.632E-05
4803 490363.09, 3861377.25	0.03634	0.03568	0.03474	0.03243	0.04148	6.83E-05	3.13E-06	6.4368E-08	4.635E-08	7.15E-05	8.37E-05	3.84E-06	6.35E-08	2.59E-08	8.76E-05	7.38E-05	2.951E-06	6.169E-08	2.679E-08	7.682E-05
4804 490863.09, 3861377.25	0.03664	0.03646	0.0355	0.03263	0.04188	6.89E-05	3.199E-06	6.4765E-08	4.679E-08	7.22E-05	8.44E-05	3.92E-06	6.39E-08	2.62E-08	8.84E-05	7.44E-05	3.015E-06	6.207E-08	2.705E-08	7.75E-05
4805 491363.09, 3861377.25	0.03701	0.0374	0.03648	0.0335	0.04363	6.95E-05	3.281E-06	6.6491E-08	4.875E-08	7.29E-05	8.52E-05	4.02E-06	6.56E-08	2.73E-08	8.93E-05	7.51E-05	3.093E-06	6.373E-08	2.818E-08	7.833E-05
4806 491863.09, 3861377.25	0.03587	0.03666	0.03568	0.03278	0.04281	6.74E-05	3.216E-06	6.5062E-08	4.783E-08	7.07E-05	8.26E-05	3.94E-06	6.42E-08	2.68E-08	8.66E-05	7.28E-05	3.032E-06	6.236E-08	2.765E-08	7.595E-05
4807 492363.09, 3861377.25	0.03416	0.03479	0.03388	0.03091	0.03993	6.42E-05	3.052E-06	6.1351E-08	4.461E-08	6.74E-05	7.87E-05	3.74E-06	6.06E-08	2.50E-08	8.25E-05	6.94E-05	2.877E-06	5.88E-08	2.579E-08	7.232E-05
4808 492863.09, 3861377.25	0.03323	0.03374	0.03288	0.02973	0.03866	6.24E-05	2.96E-06	5.9009E-08	4.32E-08	6.55E-05	7.65E-05	3.63E-06	5.82E-08	2.42E-08	8.02E-05	6.75E-05	2.79E-06	5.655E-08	2.497E-08	7.034E-05
4809 493363.09, 3861377.25	0.03334	0.03389	0.03297	0.02947	0.03886	6.27E-05	2.973E-06	5.8493E-08	4.342E-08	6.57E-05	7.68E-05	3.64E-06	5.77E-08	2.43E-08	8.05E-05	6.77E-05	2.803E-06	5.606E-08	2.51E-08	7.058E-05
4810 493863.09, 3861377.25	0.03378	0.03482	0.03373	0.02962	0.03994	6.35E-05	3.055E-06	5.879E-08	4.463E-08	6.66E-05	7.78E-05	3.74E-06	5.80E-08	2.50E-08	8.16E-05	6.86E-05	2.88E-06	5.634E-08	2.58E-08	7.155E-05
4811 494363.09, 3861377.25	0.03431	0.03615	0.03496	0.03043	0.04156	6.45E-05	3.171E-06	6.0398E-08	4.644E-08	6.78E-05	7.90E-05	3.89E-06	5.96E-08	2.60E-08	8.30E-05	6.97E-05	2.99E-06	5.789E-08	2.685E-08	7.274E-05
4812 494863.09, 3861377.25	0.03477	0.0371	0.03607	0.03155	0.04278	6.53E-05	3.255E-06	6.2621E-08	4.78E-08	6.87E-05	8.01E-05	3.99E-06	6.18E-08	2.68E-08	8.41E-05	7.06E-05	3.068E-06	6.002E-08	2.763E-08	7.375E-05
4813 495363.09, 3861377.25	0.03485	0.03725	0.03651	0.03219	0.04296	6.55E-05	3.268E-06	6.3891E-08	4.8E-08	6.89E-05	8.03E-05	4.00E-06	6.31E-08	2.69E-08	8.43E-05	7.08E-05	3.081E-06	6.123E-08	2.775E-08	7.393E-05
4814 495863.09, 3861377.25	0.03443	0.03676	0.03619	0.03201	0.04223	6.47E-05	3.225E-06	6.3534E-08	4.718E-08	6.80E-05	7.93E-05	3.95E-06	6.27E-08	2.64E-08	8.33E-05	6.99E-05	3.04E-06	6.089E-08	2.728E-08	7.303E-05
4815 496363.09, 3861377.25	0.03435	0.0368	0.0362	0.03192	0.04162	6.46E-05	3.228E-06	6.3355E-08	4.65E-08	6.79E-05	7.91E-05	3.96E-06	6.25E-08	2.60E-08	8.31E-05	6.97E-05	3.043E-06	6.072E-08	2.689E-08	7.287E-05
4816 496863.09, 3861377.25	0.03436	0.0371	0.03642	0.03191	0.04083	6.46E-05	3.255E-06	6.3335E-08	4.562E-08	6.79E-05	7.91E-05	3.99E-06	6.25E-08	2.55E-08	8.32E-05	6.98E-05	3.068E-06	6.07E-08	2.637E-08	7.292E-05
4817 497363.09, 3861377.25	0.03359	0.03644	0.03573	0.0312	0.03964	6.31E-05	3.197E-06	6.1926E-08	4.429E-08	6.64E-05	7.74E-05	3.92E-06	6.11E-08	2.48E-08	8.14E-05	6.82E-05	3.014E-06	5.935E-08	2.561E-08	7.13E-05
4818 497863.09, 3861377.25	0.03277	0.03563	0.03496	0.03046	0.03855	6.16E-05	3.126E-06	6.0457E-08	4.307E-08	6.48E-05	7.55E-05	3.83E-06	5.97E-08	2.41E-08	7.94E-05	6.65E-05	2.947E-06	5.794E-08	2.49E-08	6.956E-05
4819 498363.09, 3861377.25	0.03202	0.0349	0.0343	0.02982	0.03735	6.02E-05	3.062E-06	5.9187E-08	4.173E-08	6.33E-05	7.37E-05	3.75E-06	5.84E-08	2.34E-08	7.76E-05	6.50E-05	2.886E-06	5.673E-08	2.413E-08	6.798E-05
4820 471363.09, 3861877.25	0.00995	0.0102	0.01015	0.01017	0.009	1.87E-05	8.948E-07	2.0186E-08	1.006E-08	1.96E-05	2.29E-05	1.10E-06	1.99E-08	5.63E-09	2.40E-05	2.02E-05	8.435E-07	1.935E-08	5.814E-09	2.107E-05
4821 471863.09, 3861877.25	0.01038	0.01035	0.01063	0.0107	0.00964	1.95E-05	9.08E-07	2.1238E-08	1.077E-08	2.04E-05	2.39E-05	1.11E-06	2.10E-08	6.03E-09	2.50E-05	2.11E-05	8.559E-07	2.035E-08	6.227E-09	2.196E-05
4822 472363.09, 3861877.25	0.01081	0.01041	0.01108	0.01119	0.0103	2.03E-05	9.132E-07	2.221E-08	1.151E-08	2.13E-05	2.49E-05	1.12E-06	2.19E-08	6.44E-09	2.60E-05	2.19E-05	8.609E-07	2.129E-08	6.653E-09	2.284E-05
4823 472863.09, 3861877.25	0.01126	0.01052	0.01149	0.01164	0.01093	2.12E-05	9.229E-07	2.3103E-08	1.221E-08	2.21E-05	2.59E-05	1.13E-06	2.28E-08	6.84E-09	2.71E-05	2.29E-05	8.7E-07	2.214E-08	7.06E-09	2.376E-05
4824 473363.09, 3861877.25	0.01172	0.01082	0.01191	0.01205	0.01147	2.20E-05	9.492E-07	2.3917E-08	1.282E-08	2.30E-05	2.70E-05	1.16E-06	2.36E-08	7.17E-09	2.82E-05	2.38E-05	8.948E-07	2.292E-08	7.409E-09	2.472E-05
4825 473863.09, 3861877.25	0.01221	0.01135	0.01236	0.01248	0.01187	2.29E-05	9.957E-07	2.477E-08	1.326E-08	2.40E-05	2.81E-05	1.22E-06	2.44E-08	7.42E-09	2.94E-05	2.48E-05	9.386E-07	2.374E-08	7.668E-09	2.576E-05
4826 474363.09, 3861877.25	0.01274	0.01203	0.01285	0.01295	0.01231	2.39E-05	1.055E-06	2.5703E-08	1.375E-08	2.50E-05	2.93E-05	1.29E-06	2.54E-08	7.70E-09	3.07E-05	2.59E-05	9.949E-07	2.463E-08	7.952E-09	2.689E-05
4827 474863.09, 3861877.25	0.01331	0.01272	0.01338	0.01348	0.0127	2.50E-05	1.116E-06	2.6755E-08	1.419E-08	2.62E-05	3.07E-05	1.37E-06	2.64E-08	7.94E-09	3.21E-05	2.70E-05	1.052E-06	2.564E-08	8.204E-09	2.811E-05
4828 475363.09, 3861877.25	0.0139	0.01337	0.01393	0.01404	0.01323	2.61E-05	1.173E-06	2.7867E-08	1.478E-08	2.73E-05	3.20E-05	1.44E-06	2.75E-08	8.27E-09	3.35E-05	2.82E-05	1.106E-06	2.671E-08	8.546E-09	2.936E-05
4829 475863.09, 3861877.25	0.01453	0.014	0.01449	0.01465	0.01392	2.73E-05	1.228E-06	2.9078E-08	1.555E-08	2.86E-05	3.35E-05	1.51E-06	2.87E-08	8.71E-09	3.50E-05	2.95E-05	1.158E-06	2.787E-08	8.992E-09	3.07E-05
4830 476363.09, 3861877.25	0.01515	0.01467	0.01509	0.01526	0.01439	2.85E-05	1.287E-06	3.0288E-08	1.608E-08	2.98E-05	3.49E-05	1.58E-06	2.99E-08	9.00E-09	3.65E-05	3.08E-05	1.213E-06	2.903E-08	9.295E-09	3.201E-05
4831 476863.09, 3861877.25	0.01565	0.01518	0.01558	0.01579	0.01437	2.94E-05	1.332E-06	3.134E-08	1.606E-08	3.08E-05	3.60E-05	1.63E-06	3.09E-08	8.99E-09	3.77E-05	3.18E-05	1.255E-06	3.004E-08	9.283E-09	3.307E-05
4832 477363.09, 3861877.25	0.01607	0.01623	0.01604	0.01622	0.01403	3.02E-05	1.424E-06	3.2194E-08	1.568E-08	3.17E-05	3.70E-05	1.74E-06	3.18E-08	8.77E-09	3.88E-05	3.26E-05	1.342E-06	3.085E-08	9.063E-09	3.401E-05
4833 477863.09, 3861877.25	0.01455	0.01612	0.01503	0.01492	0.01013	2.73E-05	1.414E-06	2.9613E-08	1.132E-08	2.88E-05	3.35E-05	1.73E-06	2.92E-08	6.34E-09	3.53E-05	2.95E-05	1.333E-06	2.838E-08	6.544E-09	3.091E-05
4834 478363.09, 3861877.25	0.00805	0.0085	0.00823	0.00851	0.00457	1.51E-05	7.457E-07	1.6891E-08	5.106E-09	1.59E-05	1.85E-05	9.14E-07	1.67E-08	2.86E-09	1.95E-05	1.63E-05	7.029E-07	1.619E-08	2.952E-09	1.707E-05
4835 478863.09, 3861877.25	0.01335	0.01477	0.014	0.01382	0.0079	2.51E-05	1.296E-06	2.743E-08	8.827E-09	2.64E-05	3.07E-05	1.59E-06	2.71E-08	4.94E-09	3.24E-05	2.71E-05	1.221E-06	2.629E-08	5.103E-09	2.836E-05
4836 479363.09, 3861877.25	0.01257	0.01258	0.01315	0.0133	0.00708	2.36E-05	1.104E-06	2.6398E-08	7.911E-09	2.48E-05	2.89E-05	1.35E-06	2.61E-08	4.43E-09	3.03E-05	2.55E-05	1.04E-06	2.53E-08	4.573E-09	2.659E-05
4837 479863.09, 3861877.25	0.02091	0.0197	0.02045	0.02061	0.01846	3.93E-05	1.728E-06	4.0907E-08	2.063E-08	4.11E-05	4.82E-05	2.12E-06	4.04E-08	1.15E-08	5.03E-05	4.25E-05	1.629E-06	3.921E-08	1.192E-08	4.414E-05
4838 480363.09, 3861877.25	0.02248	0.02136	0.02155	0.02202	0.02136	4.22E-05	1.874E-06	4.3706E-08	2.387E-08	4.42E-05	5.18E-05	2.30E-06	4.31E-08	1.34E-08	5.41E-05	4.56E-05	1.766E-06	4.189E-08	1.38E-08	4.747E-05
4839 480863.09, 3861877.25	0.02364	0.02251	0.02264	0.02333	0.02262	4.44E-05	1.975E-06	4.6306E-08	2.527E-08	4.65E-05	5.44E-05	2.42E-06	4.57E-08	1.41E-08	5.69E-05	4.80E-05	1.862E-06	4.438E-08	1.461E-08	4.992E-05
4840 481363.09, 3861877.25	0.02478	0.02285	0.02379	0.02465	0.02412	4.66E-05	2.005E-06	4.8926E-08	2.695E-08	4.86E-05	5.71E-05	2.46E-06	4.83E-08	1.51E-08	5.96E-05	5.03E-05	1.89E-06	4.689E-08	1.558E-08	5.226E-05
4841 481863.09, 3861877.25	0.02598	0.02304	0.02495	0.02585	0.02585	4.88E-05	2.021E-06	5.1307E-08	2.888E-08	5.09E-05	5.98E-05	2.48E-06	5.06E-08	1.62E-08	6.24E-05	5.27E-05	1.905E-06	4.917E-08	1.67E-08	5.472E-05
4842 482363.09, 3861877.25	0.02726	0.02453	0.02619	0.0271	0.0273	5.12E-05	2.152E-06	5.3788E-08	3.05E-08	5.35E-05	6.28E-05	2.64E-06	5.31E-08	1.71E-08	6.55E-05	5.53E-05	2.029E-06	5.155E-08	1.763E-08	5.745E-05
4843 482863.09, 3861877.25	0.02848	0.02641	0.0275	0.02852	0.02869	5.35E-05	2.317E-06	5.6607E-08	3.206E-08	5.59E-05	6.56E-05	2.84E-06	5.59E-08	1.79E-08	6.85E-05	5.78E-05	2.184E-06	5.425E-08	1.853E-08	6.008E-05
4844 483363.09, 3861877.25	0.02942	0.02782	0.02855	0.0294	0.03049	5.53E-05	2.441E-06	5.8354E-08	3.407E-08	5.78E-05	6.77E-05	2.99E-06	5.76E-08	1.91E-08	7.08E-05	5.97E-05	2.301E-06	5.593E-08	1.97E-08	6.211E-05
4845 483863.09, 3861877.25	0.03032	0.02888	0.02944	0.0301	0.03201	5.70E-05	2.534E-06	5.9743E-08	3.577E-08	5.96E-05	6.98E-05	3.10E-06	5.90E-08	2.00E-08	7.30E-05	6.16E-05	2.388E-06	5.726E-08	2.068E-08	6.403E-05
4846 484363.09, 3861877.25	0.0308	0.02995	0.02966	0.0302	0.03342	5.79E-05	2.627E-06	5.9941E-08	3.734E-08	6.06E-05	7.09E-05	3.22E-06	5.92E-08	2.09E-08	7.42E-05	6.25E-05	2.477E-06	5.745E-08	2.159E-08	6.509E-05
4847 484863.09, 3861877.25	0.03131	0.03022	0.02973	0.0301	0.03434	5.88E-05	2.651E-06	5.9743E-08	3.837E-08	6.16E-05	7.21E-05	3.25E-06	5.90E-08	2.15E-08	7.54E-05	6.36E-05	2.499E-06	5.726E-08	2.218E-08	6.615E-05
4848 485363.09, 3861877.25	0.03116	0.02851	0.02886	0.02938	0.0343	5.86E-05	2.501E-06	5.8314E-08	3.832E-08	6.12E-05	7.18E-05	3.06E-06	5.76E-08	2.15E-08	7.49E-05	6.33E-05	2.358E-06	5.589E-08	2.216E-08	6.57E-05
4849 485863.09, 3861877.25	0.03077	0.02988	0.02787	0.02832	0.03359	5.78E-05	2.621E-06	5.621E-08	3.753E-08	6.05E-05	7.09E-05	3.21E-06	5.55E-08	2.10E-08	7.41E-05	6.25E-05	2.471E-06	5.387E-08	2.17E-08	6.502E-05
4850 486363.09, 3861877.25	0.03095	0.03027	0.0279	0.02812	0.03304	5.82E-05	2.655E-06	5.5813E-08	3.692E-08	6.09E-05	7.13E-05	3.25E-06	5.51E-08	2.07E-08	7.46E-05	6.28E-05	2.503E-06	5.349E-08	2.134E-08	6.542E-05
4851 486863.09, 3861877.25	0.0308	0.02898	0.02758	0.02783	0.03325	5.79E-05	2.542E-06	5.5237E-08	3.715E-08	6.05E-05	7.09E-05	3.12E-06	5.45E-08	2.08E-08	7.41E-05	6.25E-05	2.397E-06	5.294E-08	2.148E-08	6.501E-05
4852 487363.09, 3861877.25	0.0305	0.02676	0.02715	0.02767	0.03269	5.73E-05	2.348E-06	5.492E-08	3.652E-08	5.98E-05	7.02E-05	2.88E-06	5.42E-08	2.04E-08	7.32E-05	6.19E-05	2.213E-06	5.264E-08	2.112E-08	6.421E-05
4853 487863.09, 3861877.25	0.03017	0.0264	0.02681	0.02742	0.0321	5.67E-05	2.316E-06	5.4424E-08	3.587E-08	5.91E-05	6.95E-05	2.84E-06	5.37E-08	2.01E-08	7.24E-05	6.13E-05	2.183E-06	5.216E-08	2.074E-08	6.351E-05
4854 488363.09, 3861877.25	0.02984	0.02891	0.02725	0.02687	0.03196	5.61E-05	2.536E-06	5.3332E-08	3.571E-08	5.87E-05	6.87E-05	3.11E-06	5.26E-08	2.00E-08	7.19E-05	6.06E-05	2.391E-06	5.111E-08	2.065E-08	6.305E-05
4855 488863.09, 3861877.25	0.0296	0.02858	0.02762	0.02674	0.03278	5.56E-05	2.507E-06	5.3074E-08	3.663E-08	5.82E-05	6.82E-05	3.07E-06	5.24E-08	2.05E-08	7.13E-05	6.01E-05	2.364E-06	5.087E-08	2.117E-08	6.253E-05
4856 489363.09, 3861877.25	0.02953	0.02763	0.02765	0.02685	0.0327	5.55E-05	2.424E-06	5.3292E-08	3.654E-08	5.80E-05	6.80E-05	2.97E-06	5.26E-08	2.05E-08	7.10E-05	6.00E-05	2.285E-06	5.108E-08	2.112E-08	6.231E-05
4857 489863.09, 3861877.25	0.0299	0.02911	0.02849	0.02726	0.03339	5.62E-05	2.554E-06	5.4106E-08	3.731E-08	5.88E-05	6.89E-05	3.13E-06	5.34E-08	2.09E-08	7.21E-05	6.07E-05	2.407E-06	5.186E-08	2.157E-08	6.319E-05
4858 490363.09, 3861877.25	0.02999	0.02937	0.02883	0.02746	0.03407	5.64E-05	2.577E-06	5.4503E-08	3.807E-08	5.90E-05	6.91E-05	3.16E-06	5.38E-08	2.13E-08	7.23E-05	6.09E-05	2.429E-06	5.224E-08	2.201E-08	6.339E-05
4859 490863.09, 3861877.25	0.03016	0.02979	0.02915	0.02739	0.03431	5.67E-05	2.613E-06	5.4364E-08	3.834E-08	5.94E-05	6.95E-05	3.20E-06	5.37E-08	2.15E-08	7.27E-05	6.12E-05	2.464E-06	5.21E-08	2.216E-08	6.377E-05
4860 491363.09, 3861877.25	0.03052	0.03053	0.02988	0.02767	0.0347	5.74E-05	2.678E-06	5.492E-08	3.877E-08	6.01E-05	7.03E-05	3.28E-06	5.42E-08	2.17E-08	7.36E-05	6.20E-05	2.525E-06	5.264E-08	2.242E-08	6.457E-05
4861 491863.09, 3861877.25	0.03106	0.03153	0.03092	0.0286	0.03637	5.84E-05	2.766E-06	5.6766E-08	4.064E-08	6.12E-05	7.15E-05	3.39E-06	5.60E-08	2.27E-08	7.50E-05	6.31E-05	2.607E-06	5.44E-08	2.349E-08	6.575E-05
4862 492363.09, 3861877.25	0.03014	0.03093	0.03027	0.02803	0.03589	5.66E-05	2.713E-06	5.5634E-08	4.01E-08	5.94E-05	6.94E-05	3.33E-06	5.49E-08	2.24E-08	7.28E-05	6.12E-05	2.558E-06	5.332E-08	2.318E-08	6.383E-05
4863 492863.09, 3861877.25	0.02875	0.02943	0.02881	0.02655	0.03359	5.40E-05	2.582E-06	5.2697E-08	3.753E-08	5.67E-05	6.62E-05	3.16E-06	5.20E-08	2.10E-08	6.94E-05	5.84E-05	2.434E-06	5.05E-08	2.17E-08	6.088E-05
4864 493363.09, 3861877.25	0.02781	0.02841	0.02783	0.02544	0.03223	5.23E-05	2.492E-06	5.0494E-08	3.601E-08	5.48E-05	6.40E-05	3.05E-06	4.98E-08	2.02E-08	6.72E-05	5.65E-05	2.349E-06	4.839E-08	2.082E-08	5.888E-05
4865 493863.09, 3861877.25	0.02753	0.02816	0.02757	0.02503	0.03202	5.17E-05	2.47E-06	4.968E-08	3.578E-08	5.43E-05	6.34E-05	3.03E-06	4.90E-08	2.00E-08	6.65E-05	5.59E-05	2.329E-06	4.761E-08	2.068E-08	5.829E-05
4866 494363.09, 3861877.25	0.02773	0.0285	0.02784	0.02493	0.03239	5.21E-05	2.5E-06	4.9481E-08	3.619E-08	5.47E-05	6.39E-05	3.06E-06	4.88E-08	2.03E-08	6.70E-05	5.63E-05	2.357E-06	4.742E-08	2.092E-08	5.873E-05
4867 494863.09, 3861877.25	0.02829	0.02951	0.02873	0.02532	0.03354	5.32E-05	2.589E-06	5.0256E-08	3.747E-08	5.58E-05	6.51E-05	3.17E-06	4.96E-08	2.10E-08	6.84E-05	5.74E-05	2.44E-06	4.817E-08	2.167E-08	5.995E-05
4868 495363.09, 3861877.25	0.02872	0.0305	0.0297	0.02604	0.03481	5.40E-05	2.676E-06	5.1685E-08	3.889E-08	5.67E-05	6.61E-05	3.28E-06	5.10E-08	2.18E-08	6.95E-05	5.83E-05	2.522E-06	4.953E-08	2.249E-08	6.091E-05
4869 495863.09, 3861877.25	0.02897	0.03105	0.03041	0.0268	0.0356	5.44E-05	2.724E-06	5.3193E-08	3.978E-08	5.73E-05	6.67E-05	3.34E-06	5.25E-08	2.23E-08	7.01E-05	5.88E-05	2.568E-06	5.098E-08	2.3E-08	6.146E-05
4870 496363.09, 3861877.25	0.02911	0.03125	0.03081	0.02731	0.0358	5.47E-05	2.741E-06	5.4205E-08	4E-08	5.75E-05	6.70E-05	3.36E-06	5.35E-08	2.24E-08	7.05E-05	5.91E-05	2.584E-06	5.195E-08	2.313E-08	6.176E-05
4871 496863.09, 3861877.25	0.03067	0.03316	0.03284	0.02896	0.03627	5.76E-05	2.909E-06	5.748E-08	4.052E-08	6.06E-05	7.06E-05	3.56E-06	5.67E-08	2.27E-08	7.43E-05	6.23E-05	2.742E-06	5.509E-08	2.343E-08	6.509E-05
4872 497363.09, 3861877.25	0.02917	0.03142	0.03104	0.02746	0.03511	5.48E-05	2.756E-06	5.4503E-08	3.923E-08	5.77E-05	6.72E-05	3.38E-06	5.38E-08	2.20E-08	7.06E-05	5.92E-05	2.598E-06	5.224E-08	2.268E-08	6.19E-05
4873 497863.09, 3861877.25	0.02828	0.03051	0.03007	0.02653	0.03397	5.31E-05	2.677E-06	5.2657E-08	3.796E-08	5.59E-05	6.51E-05	3.28E-06	5.20E-08	2.12E-08	6.85E-05	5.74E-05	2.523E-06	5.047E-08	2.194E-08	6.001E-05
4874 498363.09, 3861877.25	0.02758	0.02985	0.02936	0.02584	0.03304	5.18E-05	2.619E-06	5.1288E-08	3.692E-08	5.45E-05	6.35E-05	3.21E-06	5.06E-08	2.07E-08	6.68E-05	5.60E-05	2.469E-06	4.915E-08	2.134E-08	5.854E-05
4875 471363.09, 3862377.25	0.00968	0.00946	0.00992	0.00997	0.00937	1.82E-05	8.299E-07	1.9789E-08	1.047E-08	1.91E-05	2.23E-05	1.02E-06	1.95E-08	5.86E-09	2.33E-05	1.97E-05	7.823E-07	1.897E-08	6.053E-09	2.046E-05
4876 471863.09, 3862377.25	0.01004	0.0095	0.01027	0.01034	0.00985	1.89E-05	8.334E-07	2.0523E-08	1.101E-08	1.97E-05	2.31E-05	1.02E-06	2.03E-08	6.16E-09	2.42E-05	2.04E-05	7.856E-07	1.967E-08	6.363E-09	2.12E-05

4877 472363.09, 3862377.25	0.01041	0.00965	0.01058	0.01067	0.01033	1.96E-05	8.466E-07	2.1178E-08	1.154E-08	2.04E-05	2.40E-05	1.04E-06	2.09E-08	6.46E-09	2.50E-05	2.11E-05	7.98E-07	2.03E-08	6.673E-09	2.196E-05
4878 472863.09, 3862377.25	0.0108	0.00997	0.01092	0.011	0.01074	2.03E-05	8.746E-07	2.1833E-08	1.2E-08	2.12E-05	2.49E-05	1.07E-06	2.15E-08	6.72E-09	2.60E-05	2.19E-05	8.245E-07	2.092E-08	6.938E-09	2.278E-05
4879 473363.09, 3862377.25	0.01121	0.01044	0.01128	0.01135	0.01111	2.11E-05	9.159E-07	2.2528E-08	1.241E-08	2.20E-05	2.58E-05	1.12E-06	2.22E-08	6.95E-09	2.70E-05	2.28E-05	8.634E-07	2.159E-08	7.177E-09	2.365E-05
4880 473863.09, 3862377.25	0.01166	0.01099	0.01167	0.01175	0.01146	2.19E-05	9.641E-07	2.3322E-08	1.28E-08	2.29E-05	2.69E-05	1.18E-06	2.30E-08	7.17E-09	2.81E-05	2.37E-05	9.089E-07	2.235E-08	7.403E-09	2.461E-05
4881 474363.09, 3862377.25	0.01214	0.01155	0.01211	0.01221	0.01179	2.28E-05	1.013E-06	2.4235E-08	1.317E-08	2.39E-05	2.80E-05	1.24E-06	2.39E-08	7.37E-09	2.92E-05	2.46E-05	9.552E-07	2.323E-08	7.616E-09	2.563E-05
4882 474863.09, 3862377.25	0.01262	0.01214	0.01258	0.01271	0.01208	2.37E-05	1.065E-06	2.5227E-08	1.35E-08	2.48E-05	2.91E-05	1.31E-06	2.49E-08	7.56E-09	3.04E-05	2.56E-05	1.004E-06	2.418E-08	7.803E-09	2.666E-05
4883 475363.09, 3862377.25	0.01315	0.01276	0.01302	0.01319	0.0127	2.47E-05	1.119E-06	2.618E-08	1.419E-08	2.59E-05	3.03E-05	1.37E-06	2.58E-08	7.94E-09	3.17E-05	2.67E-05	1.055E-06	2.509E-08	8.204E-09	2.779E-05
4884 475863.09, 3862377.25	0.01367	0.01346	0.01347	0.01366	0.01326	2.57E-05	1.181E-06	2.7113E-08	1.482E-08	2.69E-05	3.15E-05	1.45E-06	2.68E-08	8.29E-09	3.30E-05	2.78E-05	1.113E-06	2.598E-08	8.566E-09	2.89E-05
4885 476363.09, 3862377.25	0.01419	0.01433	0.01396	0.01409	0.01371	2.67E-05	1.257E-06	2.7966E-08	1.532E-08	2.80E-05	3.27E-05	1.54E-06	2.76E-08	8.57E-09	3.43E-05	2.88E-05	1.185E-06	2.68E-08	8.856E-09	3.003E-05
4886 476863.09, 3862377.25	0.01472	0.0154	0.01451	0.01446	0.01407	2.77E-05	1.351E-06	2.87E-08	1.572E-08	2.91E-05	3.39E-05	1.66E-06	2.83E-08	8.80E-09	3.56E-05	2.99E-05	1.274E-06	2.751E-08	9.089E-09	3.12E-05
4887 477363.09, 3862377.25	0.0153	0.01666	0.01511	0.01487	0.01401	2.88E-05	1.462E-06	2.9514E-08	1.565E-08	3.03E-05	3.52E-05	1.79E-06	2.91E-08	8.76E-09	3.71E-05	3.11E-05	1.378E-06	2.829E-08	9.05E-09	3.248E-05
4888 477863.09, 3862377.25	0.01471	0.01642	0.015	0.01451	0.01132	2.76E-05	1.44E-06	2.88E-08	1.265E-08	2.91E-05	3.39E-05	1.77E-06	2.84E-08	7.08E-09	3.57E-05	2.99E-05	1.358E-06	2.76E-08	7.312E-09	3.126E-05
4889 478363.09, 3862377.25	0.01323	0.01402	0.01373	0.0135	0.00857	2.49E-05	1.23E-06	2.6795E-08	9.575E-09	2.61E-05	3.05E-05	1.51E-06	2.64E-08	5.36E-09	3.20E-05	2.69E-05	1.159E-06	2.568E-08	5.536E-09	2.805E-05
4890 478863.09, 3862377.25	0.01403	0.01364	0.01438	0.01447	0.00919	2.64E-05	1.197E-06	2.872E-08	1.027E-08	2.76E-05	3.23E-05	1.47E-06	2.83E-08	5.75E-09	3.38E-05	2.85E-05	1.128E-06	2.753E-08	5.936E-09	2.965E-05
4891 479363.09, 3862377.25	0.01612	0.01517	0.01618	0.0165	0.0115	3.03E-05	1.331E-06	3.2749E-08	1.285E-08	3.17E-05	3.71E-05	1.63E-06	3.23E-08	7.19E-09	3.88E-05	3.27E-05	1.255E-06	3.139E-08	7.429E-09	3.402E-05
4892 479863.09, 3862377.25	0.01938	0.01869	0.01873	0.0192	0.01723	3.64E-05	1.64E-06	3.8108E-08	1.925E-08	3.81E-05	4.46E-05	2.01E-06	3.76E-08	1.08E-08	4.67E-05	3.93E-05	1.546E-06	3.652E-08	1.113E-08	4.094E-05
4893 480363.09, 3862377.25	0.02056	0.01986	0.01962	0.02025	0.01926	3.86E-05	1.742E-06	4.0193E-08	2.152E-08	4.04E-05	4.73E-05	2.13E-06	3.97E-08	1.20E-08	4.95E-05	4.17E-05	1.642E-06	3.852E-08	1.244E-08	4.344E-05
4894 480863.09, 3862377.25	0.02152	0.02031	0.02062	0.02131	0.02065	4.04E-05	1.782E-06	4.2296E-08	2.307E-08	4.23E-05	4.96E-05	2.18E-06	4.17E-08	1.29E-08	5.18E-05	4.37E-05	1.68E-06	4.054E-08	1.334E-08	4.543E-05
4895 481363.09, 3862377.25	0.02245	0.01999	0.02155	0.02239	0.0222	4.22E-05	1.754E-06	4.444E-08	2.48E-08	4.40E-05	5.17E-05	2.15E-06	4.39E-08	1.39E-08	5.39E-05	4.56E-05	1.653E-06	4.259E-08	1.434E-08	4.729E-05
4896 481863.09, 3862377.25	0.02334	0.02041	0.02236	0.02328	0.02356	4.39E-05	1.791E-06	4.6206E-08	2.632E-08	4.57E-05	5.37E-05	2.19E-06	4.56E-08	1.47E-08	5.60E-05	4.74E-05	1.688E-06	4.428E-08	1.522E-08	4.914E-05
4897 482363.09, 3862377.25	0.02433	0.02254	0.02339	0.02429	0.02456	4.57E-05	1.977E-06	4.8211E-08	2.744E-08	4.78E-05	5.60E-05	2.42E-06	4.76E-08	1.54E-08	5.85E-05	4.94E-05	1.864E-06	4.621E-08	1.586E-08	5.133E-05
4898 482863.09, 3862377.25	0.02528	0.02416	0.02446	0.02529	0.02575	4.75E-05	2.119E-06	5.0196E-08	2.877E-08	4.97E-05	5.82E-05	2.60E-06	4.95E-08	1.61E-08	6.09E-05	5.13E-05	1.998E-06	4.811E-08	1.663E-08	5.339E-05
4899 483363.09, 3862377.25	0.02616	0.02466	0.02537	0.02603	0.02715	4.92E-05	2.163E-06	5.1665E-08	3.034E-08	5.14E-05	6.02E-05	2.65E-06	5.10E-08	1.70E-08	6.30E-05	5.31E-05	2.039E-06	4.952E-08	1.754E-08	5.522E-05
4900 483863.09, 3862377.25	0.02659	0.02556	0.02566	0.0262	0.02832	5.00E-05	2.242E-06	5.2002E-08	3.164E-08	5.23E-05	6.12E-05	2.75E-06	5.13E-08	1.77E-08	6.40E-05	5.40E-05	2.114E-06	4.984E-08	1.829E-08	5.617E-05
4901 484363.09, 3862377.25	0.02719	0.02675	0.02607	0.02653	0.02919	5.11E-05	2.347E-06	5.2657E-08	3.261E-08	5.35E-05	6.26E-05	2.88E-06	5.20E-08	1.83E-08	6.56E-05	5.52E-05	2.212E-06	5.047E-08	1.886E-08	5.749E-05
4902 484863.09, 3862377.25	0.02708	0.02524	0.0255	0.02603	0.02958	5.09E-05	2.214E-06	5.1665E-08	3.305E-08	5.32E-05	6.24E-05	2.71E-06	5.10E-08	1.85E-08	6.51E-05	5.50E-05	2.087E-06	4.952E-08	1.911E-08	5.714E-05
4903 485363.09, 3862377.25	0.0269	0.02405	0.02462	0.02544	0.02933	5.06E-05	2.11E-06	5.0494E-08	3.277E-08	5.27E-05	6.19E-05	2.59E-06	4.98E-08	1.83E-08	6.46E-05	5.46E-05	1.989E-06	4.839E-08	1.895E-08	5.667E-05
4904 485863.09, 3862377.25	0.02689	0.02621	0.02422	0.02483	0.0286	5.05E-05	2.299E-06	4.9283E-08	3.196E-08	5.29E-05	6.19E-05	2.82E-06	4.86E-08	1.79E-08	6.48E-05	5.46E-05	2.168E-06	4.723E-08	1.847E-08	5.683E-05
4905 486363.09, 3862377.25	0.02674	0.02583	0.02406	0.02447	0.02809	5.02E-05	2.266E-06	4.8568E-08	3.139E-08	5.26E-05	6.16E-05	2.78E-06	4.79E-08	1.76E-08	6.44E-05	5.43E-05	2.136E-06	4.655E-08	1.815E-08	5.649E-05
4906 486863.09, 3862377.25	0.02651	0.02513	0.02374	0.02421	0.02813	4.98E-05	2.205E-06	4.8052E-08	3.143E-08	5.21E-05	6.10E-05	2.70E-06	4.74E-08	1.76E-08	6.38E-05	5.38E-05	2.078E-06	4.605E-08	1.817E-08	5.597E-05
4907 487363.09, 3862377.25	0.02627	0.02322	0.02349	0.02416	0.02777	4.94E-05	2.037E-06	4.7953E-08	3.103E-08	5.15E-05	6.05E-05	2.50E-06	4.73E-08	1.74E-08	6.31E-05	5.33E-05	1.92E-06	4.596E-08	1.794E-08	5.532E-05
4908 487863.09, 3862377.25	0.02607	0.02245	0.02325	0.02411	0.02743	4.90E-05	1.969E-06	4.7854E-08	3.065E-08	5.10E-05	6.00E-05	2.41E-06	4.72E-08	1.72E-08	6.25E-05	5.29E-05	1.857E-06	4.586E-08	1.772E-08	5.485E-05
4909 488363.09, 3862377.25	0.02579	0.0244	0.02349	0.02364	0.02724	4.85E-05	2.141E-06	4.6921E-08	3.044E-08	5.07E-05	5.94E-05	2.62E-06	4.63E-08	1.70E-08	6.21E-05	5.24E-05	2.018E-06	4.497E-08	1.76E-08	5.444E-05
4910 488863.09, 3862377.25	0.0256	0.02519	0.0239	0.02336	0.02778	4.81E-05	2.21E-06	4.6365E-08	3.104E-08	5.04E-05	5.90E-05	2.71E-06	4.58E-08	1.74E-08	6.17E-05	5.20E-05	2.083E-06	4.444E-08	1.794E-08	5.412E-05
4911 489363.09, 3862377.25	0.02556	0.0241	0.02397	0.02346	0.02795	4.80E-05	2.114E-06	4.6564E-08	3.123E-08	5.02E-05	5.89E-05	2.59E-06	4.60E-08	1.75E-08	6.15E-05	5.19E-05	1.993E-06	4.463E-08	1.805E-08	5.395E-05
4912 489863.09, 3862377.25	0.02573	0.02448	0.02441	0.02374	0.02816	4.84E-05	2.148E-06	4.712E-08	3.146E-08	5.06E-05	5.93E-05	2.63E-06	4.65E-08	1.76E-08	6.19E-05	5.22E-05	2.024E-06	4.516E-08	1.819E-08	5.433E-05
4913 490363.09, 3862377.25	0.026	0.02561	0.02505	0.02403	0.02897	4.89E-05	2.247E-06	4.7695E-08	3.237E-08	5.12E-05	5.99E-05	2.75E-06	4.71E-08	1.81E-08	6.27E-05	5.28E-05	2.118E-06	4.571E-08	1.871E-08	5.497E-05
4914 490863.09, 3862377.25	0.02617	0.02565	0.0253	0.02424	0.02935	4.92E-05	2.25E-06	4.8112E-08	3.279E-08	5.15E-05	6.03E-05	2.76E-06	4.75E-08	1.84E-08	6.31E-05	5.31E-05	2.121E-06	4.611E-08	1.896E-08	5.532E-05
4915 491363.09, 3862377.25	0.02618	0.02598	0.02549	0.02405	0.02949	4.92E-05	2.279E-06	4.7735E-08	3.295E-08	5.16E-05	6.03E-05	2.79E-06	4.71E-08	1.84E-08	6.31E-05	5.32E-05	2.149E-06	4.575E-08	1.905E-08	5.537E-05
4916 491863.09, 3862377.25	0.0262	0.02629	0.02583	0.02406	0.02953	4.92E-05	2.306E-06	4.7755E-08	3.299E-08	5.16E-05	6.03E-05	2.83E-06	4.71E-08	1.85E-08	6.32E-05	5.32E-05	2.174E-06	4.577E-08	1.908E-08	5.543E-05
4917 492363.09, 3862377.25	0.02665	0.02712	0.0267	0.02483	0.03095	5.01E-05	2.379E-06	4.9283E-08	3.458E-08	5.25E-05	6.14E-05	2.92E-06	4.86E-08	1.94E-08	6.44E-05	5.41E-05	2.243E-06	4.723E-08	1.999E-08	5.642E-05
4918 492863.09, 3862377.25	0.02626	0.02701	0.02654	0.02471	0.03102	4.93E-05	2.37E-06	4.9045E-08	3.466E-08	5.18E-05	6.05E-05	2.90E-06	4.84E-08	1.94E-08	6.34E-05	5.33E-05	2.234E-06	4.7E-08	2.004E-08	5.562E-05
4919 493363.09, 3862377.25	0.02511	0.02578	0.02534	0.02351	0.02918	4.72E-05	2.262E-06	4.6663E-08	3.26E-08	4.95E-05	5.78E-05	2.77E-06	4.61E-08	1.83E-08	6.07E-05	5.10E-05	2.132E-06	4.472E-08	1.885E-08	5.318E-05
4920 493863.09, 3862377.25	0.02412	0.0247	0.02429	0.02238	0.02771	4.53E-05	2.167E-06	4.442E-08	3.096E-08	4.76E-05	5.55E-05	2.66E-06	4.38E-08	1.73E-08	5.83E-05	4.90E-05	2.043E-06	4.257E-08	1.79E-08	5.108E-05
4921 494363.09, 3862377.25	0.02365	0.02428	0.02387	0.02187	0.02731	4.44E-05	2.13E-06	4.3408E-08	3.051E-08	4.66E-05	5.45E-05	2.61E-06	4.28E-08	1.71E-08	5.71E-05	4.80E-05	2.008E-06	4.16E-08	1.764E-08	5.009E-05
4922 494863.09, 3862377.25	0.02367	0.02437	0.02394	0.02175	0.02743	4.45E-05	2.138E-06	4.317E-08	3.065E-08	4.67E-05	5.45E-05	2.62E-06	4.26E-08	1.72E-08	5.72E-05	4.81E-05	2.015E-06	4.137E-08	1.772E-08	5.013E-05
4923 495363.09, 3862377.25	0.02377	0.02466	0.02416	0.02163	0.02775	4.47E-05	2.163E-06	4.2932E-08	3.101E-08	4.69E-05	5.47E-05	2.65E-06	4.24E-08	1.74E-08	5.74E-05	4.83E-05	2.039E-06	4.115E-08	1.793E-08	5.036E-05
4924 495863.09, 3862377.25	0.02412	0.02539	0.02482	0.02193	0.02864	4.53E-05	2.227E-06	4.3527E-08	3.2E-08	4.76E-05	5.55E-05	2.73E-06	4.30E-08	1.79E-08	5.83E-05	4.90E-05	2.1E-06	4.172E-08	1.85E-08	5.113E-05
4925 496363.09, 3862377.25	0.02442	0.02607	0.02554	0.02251	0.02959	4.59E-05	2.287E-06	4.4678E-08	3.306E-08	4.83E-05	5.62E-05	2.80E-06	4.41E-08	1.85E-08	5.91E-05	4.96E-05	2.156E-06	4.282E-08	1.911E-08	5.18E-05
4926 496863.09, 3862377.25	0.0249	0.02679	0.02638	0.02335	0.03048	4.68E-05	2.35E-06	4.6345E-08	3.406E-08	4.92E-05	5.73E-05	2.88E-06	4.57E-08	1.91E-08	6.03E-05	5.06E-05	2.215E-06	4.442E-08	1.969E-08	5.284E-05
4927 497363.09, 3862377.25	0.02475	0.02666	0.02639	0.02348	0.03034	4.65E-05	2.339E-06	4.6603E-08	3.39E-08	4.89E-05	5.70E-05	2.87E-06	4.60E-08	1.90E-08	5.99E-05	5.03E-05	2.205E-06	4.466E-08	1.96E-08	5.252E-05
4928 497863.09, 3862377.25	0.02451	0.02638	0.02618	0.02332	0.02988	4.61E-05	2.314E-06	4.6286E-08	3.339E-08	4.85E-05	5.64E-05	2.84E-06	4.57E-08	1.87E-08	5.93E-05	4.98E-05	2.182E-06	4.436E-08	1.93E-08	5.201E-05
4929 498363.09, 3862377.25	0.02401	0.02586	0.02563	0.0228	0.02908	4.51E-05	2.269E-06	4.5254E-08	3.249E-08	4.75E-05	5.53E-05	2.78E-06	4.47E-08	1.82E-08	5.81E-05	4.87E-05	2.139E-06	4.337E-08	1.878E-08	5.095E-05
4930 471363.09, 3862877.25	0.00932	0.00867	0.00949	0.00954	0.00934	1.75E-05	7.606E-07	1.8935E-08	1.044E-08	1.83E-05	2.15E-05	9.32E-07	1.87E-08	5.84E-09	2.24E-05	1.89E-05	7.17E-07	1.815E-08	6.033E-09	1.966E-05
4931 471863.09, 3862877.25	0.00964	0.00884	0.00974	0.0098	0.00968	1.81E-05	7.755E-07	1.9451E-08	1.082E-08	1.89E-05	2.22E-05	9.50E-07	1.92E-08	6.05E-09	2.32E-05	1.96E-05	7.311E-07	1.864E-08	6.253E-09	2.033E-05
4932 472363.09, 3862877.25	0.00997	0.00916	0.01001	0.01008	0.01	1.87E-05	8.036E-07	2.0007E-08	1.117E-08	1.96E-05	2.30E-05	9.85E-07	1.97E-08	6.25E-09	2.40E-05	2.02E-05	7.575E-07	1.917E-08	6.46E-09	2.103E-05
4933 472863.09, 3862877.25	0.01033	0.00959	0.01031	0.01039	0.01026	1.94E-05	8.413E-07	2.0622E-08	1.146E-08	2.03E-05	2.38E-05	1.03E-06	2.04E-08	6.42E-09	2.48E-05	2.10E-05	7.931E-07	1.976E-08	6.628E-09	2.179E-05
4934 473363.09, 3862877.25	0.0107	0.01006	0.01063	0.01074	0.01055	2.01E-05	8.825E-07	2.1317E-08	1.179E-08	2.10E-05	2.46E-05	1.08E-06	2.10E-08	6.60E-09	2.57E-05	2.17E-05	8.319E-07	2.043E-08	6.815E-09	2.258E-05
4935 473863.09, 3862877.25	0.0111	0.01057	0.01098	0.01112	0.01085	2.09E-05	9.273E-07	2.2071E-08	1.212E-08	2.18E-05	2.56E-05	1.14E-06	2.18E-08	6.79E-09	2.67E-05	2.25E-05	8.741E-07	2.115E-08	7.009E-09	2.344E-05
4936 474363.09, 3862877.25	0.01151	0.01118	0.01137	0.01153	0.01118	2.16E-05	9.808E-07	2.2885E-08	1.249E-08	2.26E-05	2.65E-05	1.20E-06	2.26E-08	6.99E-09	2.77E-05	2.34E-05	9.246E-07	2.193E-08	7.222E-09	2.432E-05
4937 474863.09, 3862877.25	0.01194	0.01187	0.01177	0.01192	0.01157	2.24E-05	1.041E-06	2.3659E-08	1.293E-08	2.35E-05	2.75E-05	1.28E-06	2.34E-08	7.24E-09	2.88E-05	2.42E-05	9.816E-07	2.267E-08	7.474E-09	2.525E-05
4938 475363.09, 3862877.25	0.01234	0.01256	0.01213	0.01225	0.01205	2.32E-05	1.102E-06	2.4314E-08	1.346E-08	2.43E-05	2.84E-05	1.35E-06	2.40E-08	7.54E-09	2.98E-05	2.51E-05	1.039E-06	2.33E-08	7.784E-09	2.612E-05
4939 475863.09, 3862877.25	0.01277	0.01324	0.01251	0.01253	0.0125	2.40E-05	1.162E-06	2.487E-08	1.397E-08	2.52E-05	2.94E-05	1.42E-06	2.45E-08	7.82E-09	3.09E-05	2.59E-05	1.095E-06	2.384E-08	8.075E-09	2.705E-05
4940 476363.09, 3862877.25	0.01323	0.01386	0.01292	0.01282	0.01292	2.49E-05	1.216E-06	2.5445E-08	1.444E-08	2.61E-05	3.05E-05	1.49E-06	2.51E-08	8.08E-09	3.20E-05	2.69E-05	1.146E-06	2.439E-08	8.346E-09	2.804E-05
4941 476863.09, 3862877.25	0.01378	0.01437	0.01339	0.0132	0.01325	2.59E-05	1.261E-06	2.62E-08	1.48E-08	2.72E-05	3.17E-05	1.54E-06	2.59E-08	8.29E-09	3.33E-05	2.80E-05	1.188E-06	2.511E-08	8.559E-09	2.92E-05
4942 477363.09, 3862877.25	0.01441	0.01466	0.01392	0.01375	0.01351	2.71E-05	1.286E-06	2.7291E-08	1.509E-08	2.84E-05	3.32E-05	1.58E-06	2.69E-08	8.45E-09	3.48E-05	2.93E-05	1.212E-06	2.616E-08	8.727E-09	3.051E-05
4943 477863.09, 3862877.25	0.01466	0.01443	0.0143	0.01422	0.01288	2.75E-05	1.266E-06	2.8224E-08	1.439E-08	2.89E-05	3.38E-05	1.55E-06	2.79E-08	8.06E-09	3.53E-05	2.98E-05	1.193E-06	2.705E-08	8.32E-09	3.099E-05
4944 478363.09, 3862877.25	0.01394	0.01329	0.01387	0.01413	0.01032	2.62E-05	1.166E-06	2.8045E-08	1.153E-08	2.74E-05	3.21E-05	1.43E-06	2.77E-08	6.45E-09	3.36E-05	2.83E-05	1.099E-06	2.688E-08	6.666E-09	2.944E-05
4945 478863.09, 3862877.25	0.01466	0.0137	0.01447	0.01493	0.0108	2.75E-05	1.202E-06	2.9633E-08	1.207E-08	2.88E-05	3.38E-05	1.47E-06	2.92E-08	6.75E-09	3.53E-05	2.98E-05	1.133E-06	2.84E-08	6.976E-09	3.093E-05
4946 479363.09, 3862877.25	0.01562	0.01562	0.01542	0.01584	0.01163	2.94E-05	1.37E-06	3.1439E-08	1.299E-08	3.08E-05	3.60E-05	1.68E-06	3.10E-08	7.27E-09	3.77E-05	3.17E-05	1.292E-06	3.013E-08	7.513E-09	3.304E-05
4947 479863.09, 3862877.25	0.01813	0.01761	0.01726	0.01782	0.0166	3.41E-05	1.545E-06	3.5369E-08	1.855E-08	3.57E-05	4.18E-05	1.89E-06	3.49E-08	1.04E-08	4.37E-05	3.68E-05	1.456E-06	3.39E-08	1.072E-08	3.831E-05
4948 480363.09, 3862877.25	0.01887	0.01808	0.01805	0.01863	0.01796	3.55E-05	1.586E-06	3.6977E-08	2.007E-08	3.71E-05	4.35E-05	1.94E-06	3.65E-08	1.12E-08	4.54E-05	3.83E-05	1.495E-06	3.544E-08	1.16E-08	3.986E-05
4949 480863.09, 3862877.25	0.01967	0.01789	0.01889	0.01962	0.01923	3.70E-05	1.569E-06	3.8942E-08	2.149E-08	3.86E-05	4.53E-05	1.92E-06	3.84E-08	1.20E-08	4.73E-05	3.99E-05	1.479E-06	3.732E-08	1.242E-08	4.147E-05
4950 481363.09, 3862877.25	0.02029	0.01757	0.01944	0.02036	0.02045	3.81E-05	1.541E-06	4.0411E-08	2.285E-08	3.97E-05	4.67E-05	1.89E-06	3.99E-08	1.28E-08	4.87E-05	4.12E-05	1.453E-06	3.873E-08	1.321E-08	4.27E-05
4951 481863.09, 3862877.25	0.02126	0.0192	0.02043	0.0213	0.02129	4.00E-05	1.684E-06	4.2277E-08	2.379E-08	4.17E-05	4.90E-05	2.06E-06	4.17E-08	1.33E-08	5.11E-05	4.32E-05	1.588E-06	4.052E-08	1.375E-08	4.481E-05
4952 482363.09, 3862877.25	0.02185	0.02102	0.02103	0.02177	0.02212	4.11E-05	1.844E-06	4.3209E-08	2.471E-08	4.30E-05	5.03E-05	2.26E-06	4.26E-08	1.38E-08	5.26E-05	4.44E-05	1.738E-06	4.141E-08	1.429E-08	4.616E-05
4953 482863.09, 3862877.25	0.02269	0.02155	0.02192	0.02259	0.02322	4.26E-05	1.891E-06	4.4837E-08	2.594E-08	4.46E-05	5.23E-05	2.32E-06	4.43E-08	1.45E-08	5.46E-05	4.61E-05	1.782E-06	4.297E-08	1.5E-08	4.791E-05
4954 483363.09, 3862877.25	0.02329	0.02192	0.02247	0.02303	0.02438	4.38E-05	1.923E-06	4.571E-08	2.724E-08	4.58E-05	5.36E-05	2.36E-06	4.51E-08	1.52E-08	5.60E-05	4.73E-05	1.813E-06	4.381E-08	1.575E-08	4.916E-05
4955 483863.09, 3862877.25	0.02364	0.02318	0.0227	0.02317	0.02509	4.44E-05	2.034E-06	4.5988E-08	2.803E-08	4.65E-05	5.44E-05	2.49E-06	4.54E-08	1.57E-08	5.70E-05	4.80E-05	1.917E-06	4.408E-08	1.621E-08	4.998E-05
4956 484363.09, 3862877.25	0.02397	0.02336	0.02286	0.0233	0.02557	4.50E-05	2.049E-06	4.6246E-08	2.857E-08	4.72E-05	5.52E-05	2.51E-06	4.56E-08	1.60E-08	5.78E-05	4.87E-05	1.932E-06	4.432E-08	1.652E-08	5.066E-05

4957 484863.09, 3862877.25	0.02378	0.02126	0.02217	0.02291	0.02578	4.47E-05	1.865E-06	4.5472E-08	2.88E-08	4.66E-05	5.48E-05	2.29E-06	4.49E-08	1.61E-08	5.71E-05	4.83E-05	1.758E-06	4.358E-08	1.665E-08	5.01E-05
4958 485363.09, 3862877.25	0.0237	0.02124	0.02152	0.02248	0.02538	4.45E-05	1.863E-06	4.4619E-08	2.836E-08	4.65E-05	5.46E-05	2.28E-06	4.40E-08	1.59E-08	5.69E-05	4.81E-05	1.757E-06	4.276E-08	1.639E-08	4.994E-05
4959 485863.09, 3862877.25	0.02351	0.02277	0.02113	0.02181	0.02459	4.42E-05	1.998E-06	4.3289E-08	2.747E-08	4.62E-05	5.41E-05	2.45E-06	4.27E-08	1.54E-08	5.66E-05	4.77E-05	1.883E-06	4.149E-08	1.588E-08	4.967E-05
4960 486363.09, 3862877.25	0.02354	0.02249	0.02111	0.02169	0.02441	4.42E-05	1.973E-06	4.3051E-08	2.727E-08	4.63E-05	5.42E-05	2.42E-06	4.25E-08	1.53E-08	5.67E-05	4.78E-05	1.86E-06	4.126E-08	1.577E-08	4.971E-05
4961 486863.09, 3862877.25	0.02314	0.02207	0.0207	0.02131	0.02411	4.35E-05	1.936E-06	4.2296E-08	2.694E-08	4.55E-05	5.33E-05	2.37E-06	4.17E-08	1.51E-08	5.57E-05	4.70E-05	1.825E-06	4.054E-08	1.557E-08	4.886E-05
4962 487363.09, 3862877.25	0.02299	0.02047	0.02058	0.02133	0.02394	4.32E-05	1.796E-06	4.2336E-08	2.675E-08	4.51E-05	5.29E-05	2.20E-06	4.18E-08	1.50E-08	5.52E-05	4.67E-05	1.693E-06	4.058E-08	1.546E-08	4.843E-05
4963 487863.09, 3862877.25	0.02283	0.01951	0.02041	0.02138	0.02374	4.29E-05	1.712E-06	4.2435E-08	2.653E-08	4.47E-05	5.26E-05	2.10E-06	4.19E-08	1.48E-08	5.47E-05	4.64E-05	1.613E-06	4.067E-08	1.534E-08	4.802E-05
4964 488363.09, 3862877.25	0.02267	0.02083	0.0206	0.02112	0.02365	4.26E-05	1.827E-06	4.1919E-08	2.642E-08	4.45E-05	5.22E-05	2.24E-06	4.14E-08	1.48E-08	5.45E-05	4.60E-05	1.723E-06	4.018E-08	1.528E-08	4.781E-05
4965 488863.09, 3862877.25	0.02244	0.0221	0.02088	0.02068	0.02394	4.22E-05	1.939E-06	4.1046E-08	2.675E-08	4.42E-05	5.17E-05	2.38E-06	4.05E-08	1.50E-08	5.41E-05	4.56E-05	1.828E-06	3.934E-08	1.546E-08	4.744E-05
4966 489363.09, 3862877.25	0.0223	0.02145	0.02092	0.02059	0.02407	4.19E-05	1.882E-06	4.0867E-08	2.689E-08	4.39E-05	5.14E-05	2.31E-06	4.03E-08	1.51E-08	5.37E-05	4.53E-05	1.774E-06	3.917E-08	1.555E-08	4.711E-05
4967 489863.09, 3862877.25	0.02238	0.02096	0.02114	0.02082	0.02417	4.21E-05	1.839E-06	4.1324E-08	2.701E-08	4.40E-05	5.15E-05	2.25E-06	4.08E-08	1.51E-08	5.38E-05	4.54E-05	1.733E-06	3.96E-08	1.561E-08	4.723E-05
4968 490363.09, 3862877.25	0.02253	0.02189	0.02163	0.021	0.02465	4.23E-05	1.92E-06	4.1681E-08	2.754E-08	4.43E-05	5.19E-05	2.35E-06	4.11E-08	1.54E-08	5.43E-05	4.57E-05	1.81E-06	3.995E-08	1.592E-08	4.761E-05
4969 490863.09, 3862877.25	0.02274	0.0224	0.02201	0.02122	0.02519	4.27E-05	1.965E-06	4.2118E-08	2.815E-08	4.48E-05	5.24E-05	2.41E-06	4.16E-08	1.58E-08	5.48E-05	4.62E-05	1.852E-06	4.037E-08	1.627E-08	4.808E-05
4970 491363.09, 3862877.25	0.0231	0.02269	0.02245	0.02161	0.02562	4.34E-05	1.991E-06	4.2892E-08	2.863E-08	4.55E-05	5.32E-05	2.44E-06	4.23E-08	1.60E-08	5.57E-05	4.69E-05	1.876E-06	4.111E-08	1.655E-08	4.884E-05
4971 491863.09, 3862877.25	0.0228	0.02268	0.0223	0.02113	0.02548	4.28E-05	1.99E-06	4.1939E-08	2.847E-08	4.49E-05	5.25E-05	2.44E-06	4.14E-08	1.59E-08	5.50E-05	4.63E-05	1.876E-06	4.019E-08	1.646E-08	4.822E-05
4972 492363.09, 3862877.25	0.02295	0.02308	0.02274	0.02127	0.02562	4.31E-05	2.025E-06	4.2217E-08	2.863E-08	4.52E-05	5.28E-05	2.48E-06	4.17E-08	1.60E-08	5.54E-05	4.66E-05	1.909E-06	4.046E-08	1.655E-08	4.856E-05
4973 492863.09, 3862877.25	0.02329	0.02374	0.02345	0.0219	0.02682	4.38E-05	2.083E-06	4.3467E-08	2.997E-08	4.59E-05	5.36E-05	2.55E-06	4.29E-08	1.68E-08	5.62E-05	4.73E-05	1.963E-06	4.166E-08	1.732E-08	4.931E-05
4974 493363.09, 3862877.25	0.02313	0.02382	0.02349	0.02195	0.0271	4.35E-05	2.09E-06	4.3567E-08	3.028E-08	4.56E-05	5.33E-05	2.56E-06	4.30E-08	1.69E-08	5.59E-05	4.70E-05	1.97E-06	4.175E-08	1.751E-08	4.899E-05
4975 493863.09, 3862877.25	0.02231	0.02297	0.02264	0.02112	0.02578	4.19E-05	2.015E-06	4.1919E-08	2.88E-08	4.40E-05	5.14E-05	2.47E-06	4.14E-08	1.61E-08	5.39E-05	4.53E-05	1.9E-06	4.018E-08	1.665E-08	4.725E-05
4976 494363.09, 3862877.25	0.02138	0.02192	0.02162	0.02005	0.02433	4.02E-05	1.923E-06	3.9796E-08	2.718E-08	4.22E-05	4.92E-05	2.36E-06	3.93E-08	1.52E-08	5.16E-05	4.34E-05	1.813E-06	3.814E-08	1.572E-08	4.528E-05
4977 494863.09, 3862877.25	0.02069	0.02125	0.02096	0.01933	0.02367	3.89E-05	1.864E-06	3.8366E-08	2.645E-08	4.08E-05	4.76E-05	2.28E-06	3.79E-08	1.48E-08	5.00E-05	4.20E-05	1.757E-06	3.677E-08	1.529E-08	4.382E-05
4978 495363.09, 3862877.25	0.02047	0.02111	0.02082	0.0191	0.0236	3.85E-05	1.852E-06	3.791E-08	2.637E-08	4.04E-05	4.71E-05	2.27E-06	3.74E-08	1.48E-08	4.95E-05	4.16E-05	1.746E-06	3.633E-08	1.524E-08	4.336E-05
4979 495863.09, 3862877.25	0.02056	0.02129	0.02096	0.01903	0.02377	3.86E-05	1.868E-06	3.7771E-08	2.656E-08	4.06E-05	4.73E-05	2.29E-06	3.73E-08	1.49E-08	4.97E-05	4.17E-05	1.761E-06	3.62E-08	1.535E-08	4.356E-05
4980 496363.09, 3862877.25	0.0208	0.02173	0.02135	0.01909	0.02425	3.91E-05	1.906E-06	3.789E-08	2.709E-08	4.11E-05	4.79E-05	2.34E-06	3.74E-08	1.52E-08	5.03E-05	4.22E-05	1.797E-06	3.631E-08	1.566E-08	4.408E-05
4981 496863.09, 3862877.25	0.02109	0.02235	0.02193	0.01942	0.02504	3.96E-05	1.961E-06	3.8545E-08	2.798E-08	4.17E-05	4.86E-05	2.40E-06	3.80E-08	1.57E-08	5.10E-05	4.28E-05	1.848E-06	3.694E-08	1.618E-08	4.472E-05
4982 497363.09, 3862877.25	0.02128	0.02282	0.02246	0.01987	0.02575	4.00E-05	2.002E-06	3.9438E-08	2.877E-08	4.21E-05	4.90E-05	2.45E-06	3.89E-08	1.61E-08	5.15E-05	4.32E-05	1.887E-06	3.78E-08	1.663E-08	4.515E-05
4983 497863.09, 3862877.25	0.02141	0.0231	0.02283	0.02029	0.02616	4.02E-05	2.026E-06	4.0272E-08	2.923E-08	4.23E-05	4.93E-05	2.48E-06	3.97E-08	1.64E-08	5.18E-05	4.35E-05	1.91E-06	3.86E-08	1.69E-08	4.544E-05
4984 498363.09, 3862877.25	0.02146	0.02319	0.02302	0.02053	0.02621	4.03E-05	2.034E-06	4.0748E-08	2.928E-08	4.24E-05	4.94E-05	2.49E-06	4.02E-08	1.64E-08	5.20E-05	4.36E-05	1.918E-06	3.905E-08	1.693E-08	4.555E-05
4985 471363.09, 3863377.25	0.00895	0.00813	0.00898	0.00904	0.00901	1.68E-05	7.132E-07	1.7943E-08	1.007E-08	1.76E-05	2.06E-05	8.74E-07	1.77E-08	5.64E-09	2.15E-05	1.82E-05	6.723E-07	1.72E-08	5.82E-09	1.887E-05
4986 471863.09, 3863377.25	0.00924	0.00846	0.00921	0.00929	0.00922	1.74E-05	7.422E-07	1.8439E-08	1.03E-08	1.81E-05	2.13E-05	9.09E-07	1.82E-08	5.77E-09	2.22E-05	1.88E-05	6.996E-07	1.767E-08	5.956E-09	1.948E-05
4987 472363.09, 3863377.25	0.00955	0.00888	0.00946	0.00957	0.00942	1.79E-05	7.79E-07	1.8995E-08	1.053E-08	1.88E-05	2.20E-05	9.55E-07	1.87E-08	5.89E-09	2.30E-05	1.94E-05	7.344E-07	1.82E-08	6.085E-09	2.015E-05
4988 472863.09, 3863377.25	0.00985	0.00934	0.00973	0.00986	0.00966	1.85E-05	8.194E-07	1.957E-08	1.079E-08	1.94E-05	2.27E-05	1.00E-06	1.93E-08	6.04E-09	2.37E-05	2.00E-05	7.724E-07	1.876E-08	6.24E-09	2.08E-05
4989 473363.09, 3863377.25	0.01017	0.00985	0.01002	0.01017	0.00996	1.91E-05	8.641E-07	2.0186E-08	1.113E-08	2.00E-05	2.34E-05	1.06E-06	1.99E-08	6.23E-09	2.45E-05	2.06E-05	8.146E-07	1.935E-08	6.434E-09	2.149E-05
4990 473863.09, 3863377.25	0.01051	0.01047	0.01034	0.01047	0.01029	1.98E-05	9.185E-07	2.0781E-08	1.15E-08	2.07E-05	2.42E-05	1.13E-06	2.05E-08	6.44E-09	2.54E-05	2.13E-05	8.659E-07	1.992E-08	6.647E-09	2.223E-05
4991 474363.09, 3863377.25	0.01085	0.01113	0.01067	0.01076	0.01064	2.04E-05	9.764E-07	2.1357E-08	1.189E-08	2.14E-05	2.50E-05	1.20E-06	2.11E-08	6.65E-09	2.62E-05	2.20E-05	9.204E-07	2.047E-08	6.873E-09	2.298E-05
4992 474863.09, 3863377.25	0.01116	0.01165	0.01094	0.01097	0.01105	2.10E-05	1.022E-06	2.1773E-08	1.235E-08	2.20E-05	2.57E-05	1.25E-06	2.15E-08	6.91E-09	2.70E-05	2.27E-05	9.634E-07	2.087E-08	7.138E-09	2.365E-05
4993 475363.09, 3863377.25	0.01153	0.01205	0.01126	0.01121	0.01141	2.17E-05	1.057E-06	2.225E-08	1.275E-08	2.28E-05	2.66E-05	1.30E-06	2.20E-08	7.14E-09	2.79E-05	2.34E-05	9.965E-07	2.132E-08	7.37E-09	2.444E-05
4994 475863.09, 3863377.25	0.01192	0.01227	0.01157	0.01147	0.01176	2.24E-05	1.076E-06	2.2766E-08	1.314E-08	2.35E-05	2.74E-05	1.32E-06	2.25E-08	7.36E-09	2.88E-05	2.42E-05	1.015E-06	2.182E-08	7.597E-09	2.525E-05
4995 476363.09, 3863377.25	0.01236	0.01237	0.01188	0.01179	0.01212	2.32E-05	1.085E-06	2.3401E-08	1.354E-08	2.43E-05	2.85E-05	1.33E-06	2.31E-08	7.58E-09	2.98E-05	2.51E-05	1.023E-06	2.243E-08	7.829E-09	2.615E-05
4996 476863.09, 3863377.25	0.01287	0.01252	0.01224	0.01226	0.01241	2.42E-05	1.098E-06	2.4334E-08	1.387E-08	2.53E-05	2.96E-05	1.35E-06	2.40E-08	7.76E-09	3.10E-05	2.61E-05	1.035E-06	2.332E-08	8.016E-09	2.72E-05
4997 477363.09, 3863377.25	0.01347	0.01278	0.01269	0.01289	0.01263	2.53E-05	1.121E-06	2.5584E-08	1.411E-08	2.65E-05	3.10E-05	1.37E-06	2.53E-08	7.90E-09	3.24E-05	2.73E-05	1.057E-06	2.452E-08	8.159E-09	2.844E-05
4998 477863.09, 3863377.25	0.01403	0.01312	0.01324	0.01363	0.01267	2.64E-05	1.151E-06	2.7053E-08	1.416E-08	2.76E-05	3.23E-05	1.41E-06	2.67E-08	7.92E-09	3.38E-05	2.85E-05	1.085E-06	2.593E-08	8.184E-09	2.961E-05
4999 478363.09, 3863377.25	0.01427	0.01328	0.01359	0.01414	0.01202	2.68E-05	1.165E-06	2.8065E-08	1.343E-08	2.80E-05	3.29E-05	1.43E-06	2.77E-08	7.52E-09	3.43E-05	2.90E-05	1.098E-06	2.69E-08	7.765E-09	3.011E-05
5000 478863.09, 3863377.25	0.01511	0.01455	0.01436	0.01491	0.01292	2.84E-05	1.276E-06	2.9594E-08	1.444E-08	2.97E-05	3.48E-05	1.56E-06	2.92E-08	8.08E-09	3.64E-05	3.07E-05	1.203E-06	2.836E-08	8.346E-09	3.192E-05
5001 479363.09, 3863377.25	0.01608	0.01567	0.01532	0.01582	0.01443	3.02E-05	1.375E-06	3.14E-08	1.612E-08	3.16E-05	3.70E-05	1.68E-06	3.10E-08	9.03E-09	3.88E-05	3.26E-05	1.296E-06	3.009E-08	9.321E-09	3.398E-05
5002 479863.09, 3863377.25	0.01663	0.01604	0.01589	0.01641	0.01583	3.13E-05	1.407E-06	3.2571E-08	1.769E-08	3.27E-05	3.83E-05	1.72E-06	3.21E-08	9.90E-09	4.01E-05	3.38E-05	1.326E-06	3.122E-08	1.023E-08	3.513E-05
5003 480363.09, 3863377.25	0.01726	0.01602	0.01655	0.01719	0.01686	3.24E-05	1.405E-06	3.4119E-08	1.884E-08	3.39E-05	3.97E-05	1.72E-06	3.37E-08	1.05E-08	4.15E-05	3.50E-05	1.325E-06	3.27E-08	1.089E-08	3.641E-05
5004 480863.09, 3863377.25	0.01793	0.01574	0.01719	0.01803	0.01787	3.37E-05	1.381E-06	3.5786E-08	1.997E-08	3.51E-05	4.13E-05	1.69E-06	3.53E-08	1.12E-08	4.30E-05	3.64E-05	1.302E-06	3.43E-08	1.154E-08	3.775E-05
5005 481363.09, 3863377.25	0.01842	0.01617	0.01761	0.0185	0.01872	3.46E-05	1.419E-06	3.6719E-08	2.092E-08	3.61E-05	4.24E-05	1.74E-06	3.62E-08	1.17E-08	4.42E-05	3.74E-05	1.337E-06	3.519E-08	1.209E-08	3.878E-05
5006 481863.09, 3863377.25	0.0191	0.01799	0.01829	0.01901	0.01935	3.59E-05	1.578E-06	3.7731E-08	2.162E-08	3.75E-05	4.40E-05	1.93E-06	3.72E-08	1.21E-08	4.60E-05	3.88E-05	1.488E-06	3.616E-08	1.25E-08	4.032E-05
5007 482363.09, 3863377.25	0.01982	0.01914	0.01907	0.01967	0.02007	3.72E-05	1.679E-06	3.9041E-08	2.242E-08	3.90E-05	4.56E-05	2.06E-06	3.85E-08	1.26E-08	4.78E-05	4.02E-05	1.583E-06	3.742E-08	1.296E-08	4.188E-05
5008 482863.09, 3863377.25	0.02034	0.01903	0.01957	0.02017	0.02108	3.82E-05	1.669E-06	4.0034E-08	2.355E-08	4.00E-05	4.68E-05	2.05E-06	3.95E-08	1.32E-08	4.89E-05	4.13E-05	1.574E-06	3.837E-08	1.362E-08	4.292E-05
5009 483363.09, 3863377.25	0.02076	0.0199	0.01991	0.02041	0.02185	3.90E-05	1.746E-06	4.051E-08	2.441E-08	4.08E-05	4.78E-05	2.14E-06	4.00E-08	1.37E-08	5.00E-05	4.22E-05	1.646E-06	3.882E-08	1.411E-08	4.385E-05
5010 483863.09, 3863377.25	0.02106	0.02078	0.02012	0.02053	0.02223	3.96E-05	1.823E-06	4.0748E-08	2.484E-08	4.15E-05	4.85E-05	2.23E-06	4.02E-08	1.39E-08	5.08E-05	4.28E-05	1.718E-06	3.905E-08	1.436E-08	4.453E-05
5011 484363.09, 3863377.25	0.02119	0.02008	0.02002	0.02054	0.02257	3.98E-05	1.762E-06	4.0768E-08	2.522E-08	4.16E-05	4.88E-05	2.16E-06	4.02E-08	1.41E-08	5.10E-05	4.30E-05	1.661E-06	3.907E-08	1.458E-08	4.474E-05
5012 484863.09, 3863377.25	0.02123	0.01844	0.0196	0.02053	0.02267	3.99E-05	1.618E-06	4.0748E-08	2.533E-08	4.16E-05	4.89E-05	1.98E-06	4.02E-08	1.42E-08	5.09E-05	4.31E-05	1.525E-06	3.905E-08	1.464E-08	4.468E-05
5013 485363.09, 3863377.25	0.02096	0.01906	0.01894	0.01993	0.02211	3.94E-05	1.672E-06	3.9557E-08	2.47E-08	4.11E-05	4.83E-05	2.05E-06	3.90E-08	1.38E-08	5.04E-05	4.26E-05	1.576E-06	3.791E-08	1.428E-08	4.419E-05
5014 485863.09, 3863377.25	0.02083	0.01989	0.0187	0.01942	0.02152	3.91E-05	1.745E-06	3.8545E-08	2.404E-08	4.10E-05	4.80E-05	2.14E-06	3.80E-08	1.35E-08	5.02E-05	4.23E-05	1.645E-06	3.694E-08	1.39E-08	4.399E-05
5015 486363.09, 3863377.25	0.02072	0.01962	0.01851	0.01921	0.02135	3.89E-05	1.721E-06	3.8128E-08	2.385E-08	4.07E-05	4.77E-05	2.11E-06	3.76E-08	1.34E-08	4.99E-05	4.21E-05	1.623E-06	3.654E-08	1.379E-08	4.374E-05
5016 486863.09, 3863377.25	0.02055	0.01968	0.01834	0.01902	0.02098	3.86E-05	1.726E-06	3.7751E-08	2.344E-08	4.04E-05	4.73E-05	2.12E-06	3.73E-08	1.31E-08	4.95E-05	4.17E-05	1.628E-06	3.618E-08	1.355E-08	4.34E-05
5017 487363.09, 3863377.25	0.02041	0.0183	0.01825	0.01904	0.0209	3.84E-05	1.605E-06	3.7791E-08	2.335E-08	4.00E-05	4.70E-05	1.97E-06	3.73E-08	1.31E-08	4.90E-05	4.14E-05	1.513E-06	3.622E-08	1.35E-08	4.3E-05
5018 487863.09, 3863377.25	0.02022	0.01726	0.0181	0.01911	0.02078	3.80E-05	1.514E-06	3.793E-08	2.322E-08	3.96E-05	4.66E-05	1.86E-06	3.74E-08	1.30E-08	4.85E-05	4.11E-05	1.427E-06	3.635E-08	1.342E-08	4.253E-05
5019 488363.09, 3863377.25	0.02009	0.01801	0.01824	0.01898	0.02075	3.78E-05	1.58E-06	3.7672E-08	2.318E-08	3.94E-05	4.63E-05	1.94E-06	3.72E-08	1.30E-08	4.82E-05	4.08E-05	1.489E-06	3.61E-08	1.34E-08	4.233E-05
5020 488863.09, 3863377.25	0.01992	0.0193	0.01844	0.01856	0.02098	3.74E-05	1.693E-06	3.6838E-08	2.344E-08	3.92E-05	4.59E-05	2.07E-06	3.64E-08	1.31E-08	4.80E-05	4.04E-05	1.596E-06	3.531E-08	1.355E-08	4.209E-05
5021 489363.09, 3863377.25	0.01971	0.01922	0.01843	0.01827	0.02098	3.70E-05	1.686E-06	3.6263E-08	2.344E-08	3.88E-05	4.54E-05	2.07E-06	3.58E-08	1.31E-08	4.75E-05	4.00E-05	1.589E-06	3.475E-08	1.355E-08	4.166E-05
5022 489863.09, 3863377.25	0.01967	0.01854	0.01851	0.01837	0.02097	3.70E-05	1.626E-06	3.6461E-08	2.343E-08	3.87E-05	4.53E-05	1.99E-06	3.60E-08	1.31E-08	4.73E-05	3.99E-05	1.533E-06	3.494E-08	1.355E-08	4.152E-05
5023 490363.09, 3863377.25	0.01976	0.01873	0.01887	0.0186	0.0213	3.71E-05	1.643E-06	3.6918E-08	2.38E-08	3.88E-05	4.55E-05	2.01E-06	3.64E-08	1.33E-08	4.76E-05	4.01E-05	1.549E-06	3.538E-08	1.376E-08	4.172E-05
5024 490863.09, 3863377.25	0.02003	0.0197	0.01936	0.01878	0.02187	3.76E-05	1.728E-06	3.7275E-08	2.444E-08	3.94E-05	4.61E-05	2.12E-06	3.68E-08	1.37E-08	4.83E-05	4.07E-05	1.629E-06	3.572E-08	1.413E-08	4.235E-05
5025 491363.09, 3863377.25	0.02012	0.01974	0.01951	0.01893	0.02207	3.78E-05	1.732E-06	3.7573E-08	2.466E-08	3.96E-05	4.63E-05	2.12E-06	3.71E-08	1.38E-08	4.85E-05	4.09E-05	1.632E-06	3.601E-08	1.426E-08	4.253E-05
5026 491863.09, 3863377.25	0.02019	0.01986	0.01969	0.01903	0.02235	3.79E-05	1.742E-06	3.7771E-08	2.497E-08	3.97E-05	4.65E-05	2.13E-06	3.73E-08	1.40E-08	4.87E-05	4.10E-05	1.642E-06	3.62E-08	1.444E-08	4.269E-05
5027 492363.09, 3863377.25	0.02039	0.02034	0.02004	0.01902	0.02249	3.83E-05	1.784E-06	3.7751E-08	2.513E-08	4.02E-05	4.70E-05	2.19E-06	3.73E-08	1.41E-08	4.92E-05	4.14E-05	1.682E-06	3.618E-08	1.453E-08	4.313E-05
5028 492863.09, 3863377.25	0.02095	0.02115	0.02089	0.01957	0.02285	3.94E-05	1.855E-06	3.8843E-08	2.553E-08	4.13E-05	4.82E-05	2.27E-06	3.83E-08	1.43E-08	5.06E-05	4.25E-05	1.749E-06	3.723E-08	1.476E-08	4.434E-05
5029 493363.09, 3863377.25	0.02159	0.02214	0.02193	0.02047	0.02402	4.06E-05	1.942E-06	4.0629E-08	2.684E-08	4.26E-05	4.97E-05	2.38E-06	4.01E-08	1.50E-08	5.22E-05	4.38E-05	1.831E-06	3.894E-08	1.552E-08	4.572E-05
5030 493863.09, 3863377.25	0.02141	0.02217	0.02193	0.02049	0.02434	4.02E-05	1.945E-06	4.0669E-08	2.72E-08	4.22E-05	4.93E-05	2.38E-06	4.01E-08	1.52E-08	5.17E-05	4.35E-05	1.833E-06	3.898E-08	1.572E-08	4.536E-05
5031 494363.09, 3863377.25	0.02041	0.02108	0.02084	0.01949	0.0232	3.84E-05	1.849E-06	3.8684E-08	2.592E-08	4.03E-05	4.70E-05	2.27E-06	3.82E-08	1.45E-08	4.93E-05	4.14E-05	1.743E-06	3.707E-08	1.499E-08	4.324E-05
5032 494863.09, 3863377.25	0.01961	0.02017	0.01995	0.01857	0.02189	3.69E-05	1.769E-06	3.6858E-08	2.446E-08	3.87E-05	4.52E-05	2.17E-06	3.64E-08	1.37E-08	4.74E-05	3.98E-05	1.668E-06	3.532E-08	1.414E-08	4.153E-05
5033 495363.09, 3863377.25	0.0192	0.01977	0.01957	0.01809	0.02129	3.61E-05	1.734E-06	3.5905E-08	2.379E-08	3.79E-05	4.42E-05	2.13E-06	3.54E-08	1.33E-08	4.64E-05	3.90E-05	1.635E-06	3.441E-08	1.375E-08	4.067E-05
5034 495863.09, 3863377.25	0.01903	0.0197	0.0195	0.01794	0.02122	3.58E-05	1.728E-06	3.5608E-08	2.371E-08	3.75E-05	4.38E-05	2.12E-06	3.51E-08	1.33E-08	4.60E-05	3.86E-05	1.629E-06	3.413E-08	1.371E-08	4.032E-05
5035 496363.09, 3863377.25	0.01834	0.019	0.01878	0.01721	0.02098	3.45E-05	1.667E-06	3.4159E-08	2.344E-08	3.62E-05	4.22E-05	2.04E-06	3.37E-08	1.31E-08	4.43E-05	3.72E-05	1.571E-06	3.274E-08	1.355E-08	3.885E-05
5036 496863.09, 3863377.25	0.01809	0.01883	0.01858	0.01683	0.02087	3.40E-05	1.652E-06	3.3404E-08	2.332E-08	3.57E-05	4.17E-05	2.02E-06	3.30E-08	1.31E-08	4.37E-05	3.67E-05	1.557E-06	3.201E-08	1.348E-08	3.833E-05

5037 497363.09, 3863377.25	0.0183	0.01925	0.01895	0.01693	0.02135	3.44E-05	1.689E-06	3.3603E-08	2.385E-08	3.61E-05	4.21E-05	2.07E-06	3.32E-08	1.34E-08	4.43E-05	3.72E-05	1.592E-06	3.221E-08	1.379E-08	3.879E-05
5038 497863.09, 3863377.25	0.01861	0.01983	0.01952	0.01732	0.0221	3.50E-05	1.74E-06	3.4377E-08	2.469E-08	3.68E-05	4.29E-05	2.13E-06	3.39E-08	1.38E-08	4.50E-05	3.78E-05	1.64E-06	3.295E-08	1.428E-08	3.947E-05
5039 498363.09, 3863377.25	0.01882	0.02026	0.02	0.01775	0.02272	3.54E-05	1.777E-06	3.523E-08	2.539E-08	3.72E-05	4.33E-05	2.18E-06	3.48E-08	1.42E-08	4.56E-05	3.82E-05	1.675E-06	3.376E-08	1.468E-08	3.994E-05
5040 471363.09, 3863877.25	0.00857	0.00789	0.00849	0.00859	0.0085	1.61E-05	6.922E-07	1.705E-08	9.497E-09	1.68E-05	1.97E-05	8.48E-07	1.68E-08	5.32E-09	2.06E-05	1.74E-05	6.525E-07	1.634E-08	5.491E-09	1.807E-05
5041 471863.09, 3863877.25	0.00885	0.00833	0.00874	0.00885	0.00863	1.66E-05	7.308E-07	1.7566E-08	9.642E-09	1.74E-05	2.04E-05	8.95E-07	1.73E-08	5.40E-09	2.13E-05	1.80E-05	6.889E-07	1.683E-08	5.575E-09	1.868E-05
5042 472363.09, 3863877.25	0.0091	0.0088	0.00897	0.00909	0.00887	1.71E-05	7.72E-07	1.8042E-08	9.911E-09	1.79E-05	2.10E-05	9.46E-07	1.78E-08	5.55E-09	2.19E-05	1.85E-05	7.277E-07	1.729E-08	5.73E-09	1.923E-05
5043 472863.09, 3863877.25	0.00936	0.00934	0.00922	0.00932	0.00916	1.76E-05	8.194E-07	1.8498E-08	1.023E-08	1.84E-05	2.16E-05	1.00E-06	1.83E-08	5.73E-09	2.26E-05	1.90E-05	7.724E-07	1.773E-08	5.917E-09	1.98E-05
5044 473363.09, 3863877.25	0.00961	0.0099	0.00946	0.00952	0.00949	1.81E-05	8.685E-07	1.8895E-08	1.06E-08	1.90E-05	2.21E-05	1.06E-06	1.86E-08	5.94E-09	2.32E-05	1.95E-05	8.187E-07	1.811E-08	6.13E-09	2.035E-05
5045 473863.09, 3863877.25	0.0099	0.01042	0.00973	0.00974	0.00979	1.86E-05	9.141E-07	1.9332E-08	1.094E-08	1.95E-05	2.28E-05	1.12E-06	1.91E-08	6.12E-09	2.39E-05	2.01E-05	8.617E-07	1.853E-08	6.324E-09	2.099E-05
5046 474363.09, 3863877.25	0.01017	0.01072	0.00996	0.00993	0.01011	1.91E-05	9.404E-07	1.9709E-08	1.13E-08	2.01E-05	2.34E-05	1.15E-06	1.95E-08	6.32E-09	2.46E-05	2.06E-05	8.865E-07	1.889E-08	6.531E-09	2.156E-05
5047 474863.09, 3863877.25	0.01044	0.01075	0.01014	0.01009	0.01046	1.96E-05	9.431E-07	2.0027E-08	1.169E-08	2.06E-05	2.40E-05	1.16E-06	1.98E-08	6.54E-09	2.52E-05	2.12E-05	8.89E-07	1.919E-08	6.757E-09	2.211E-05
5048 475363.09, 3863877.25	0.01079	0.01072	0.01037	0.01035	0.01073	2.03E-05	9.404E-07	2.0543E-08	1.199E-08	2.12E-05	2.48E-05	1.15E-06	2.03E-08	6.71E-09	2.60E-05	2.19E-05	8.865E-07	1.969E-08	6.931E-09	2.282E-05
5049 475863.09, 3863877.25	0.01114	0.01068	0.01057	0.01062	0.01096	2.09E-05	9.369E-07	2.1079E-08	1.225E-08	2.19E-05	2.57E-05	1.15E-06	2.08E-08	6.85E-09	2.68E-05	2.26E-05	8.832E-07	2.02E-08	7.08E-09	2.353E-05
5050 476363.09, 3863877.25	0.01159	0.01091	0.01088	0.01105	0.01112	2.18E-05	9.571E-07	2.1932E-08	1.242E-08	2.28E-05	2.67E-05	1.17E-06	2.16E-08	6.95E-09	2.79E-05	2.35E-05	9.022E-07	2.102E-08	7.183E-09	2.446E-05
5051 476863.09, 3863877.25	0.01206	0.0113	0.01123	0.01155	0.01132	2.27E-05	9.913E-07	2.2925E-08	1.265E-08	2.37E-05	2.78E-05	1.21E-06	2.26E-08	7.08E-09	2.90E-05	2.45E-05	9.345E-07	2.197E-08	7.312E-09	2.545E-05
5052 477363.09, 3863877.25	0.0126	0.01177	0.01171	0.01217	0.01161	2.37E-05	1.033E-06	2.4155E-08	1.297E-08	2.47E-05	2.90E-05	1.27E-06	2.38E-08	7.26E-09	3.03E-05	2.56E-05	9.734E-07	2.315E-08	7.5E-09	2.659E-05
5053 477863.09, 3863877.25	0.01321	0.01232	0.01231	0.01284	0.01199	2.48E-05	1.081E-06	2.5485E-08	1.34E-08	2.59E-05	3.04E-05	1.32E-06	2.52E-08	7.50E-09	3.18E-05	2.68E-05	1.019E-06	2.442E-08	7.745E-09	2.787E-05
5054 478363.09, 3863877.25	0.01373	0.01311	0.01298	0.01344	0.01204	2.58E-05	1.15E-06	2.6676E-08	1.345E-08	2.70E-05	3.16E-05	1.41E-06	2.63E-08	7.53E-09	3.31E-05	2.79E-05	1.084E-06	2.557E-08	7.777E-09	2.899E-05
5055 478863.09, 3863877.25	0.01437	0.01388	0.01359	0.01407	0.01315	2.70E-05	1.218E-06	2.7926E-08	1.469E-08	2.83E-05	3.31E-05	1.49E-06	2.76E-08	8.22E-09	3.46E-05	2.92E-05	1.148E-06	2.676E-08	8.494E-09	3.036E-05
5056 479363.09, 3863877.25	0.01485	0.01434	0.01416	0.01465	0.01404	2.79E-05	1.258E-06	2.9078E-08	1.569E-08	2.92E-05	3.42E-05	1.54E-06	2.87E-08	8.78E-09	3.58E-05	3.02E-05	1.186E-06	2.787E-08	9.069E-09	3.137E-05
5057 479863.09, 3863877.25	0.01537	0.01444	0.01472	0.01529	0.01489	2.89E-05	1.267E-06	3.0348E-08	1.664E-08	3.02E-05	3.54E-05	1.55E-06	3.00E-08	9.31E-09	3.70E-05	3.12E-05	1.194E-06	2.909E-08	9.618E-09	3.244E-05
5058 480363.09, 3863877.25	0.01588	0.01425	0.01521	0.01595	0.01571	2.98E-05	1.25E-06	3.1658E-08	1.755E-08	3.11E-05	3.66E-05	1.53E-06	3.12E-08	9.83E-09	3.81E-05	3.22E-05	1.178E-06	3.034E-08	1.015E-08	3.346E-05
5059 480863.09, 3863877.25	0.01643	0.01438	0.01569	0.01655	0.01652	3.09E-05	1.262E-06	3.2849E-08	1.846E-08	3.22E-05	3.78E-05	1.55E-06	3.24E-08	1.03E-08	3.94E-05	3.34E-05	1.189E-06	3.148E-08	1.067E-08	3.459E-05
5060 481363.09, 3863877.25	0.01691	0.01541	0.01614	0.01688	0.01714	3.18E-05	1.352E-06	3.3504E-08	1.915E-08	3.32E-05	3.89E-05	1.66E-06	3.31E-08	1.07E-08	4.06E-05	3.43E-05	1.274E-06	3.211E-08	1.107E-08	3.565E-05
5061 481863.09, 3863877.25	0.01745	0.01673	0.0167	0.01726	0.01765	3.28E-05	1.468E-06	3.4258E-08	1.972E-08	3.43E-05	4.02E-05	1.80E-06	3.38E-08	1.10E-08	4.20E-05	3.54E-05	1.384E-06	3.283E-08	1.14E-08	3.686E-05
5062 482363.09, 3863877.25	0.01803	0.01713	0.0173	0.01786	0.01837	3.39E-05	1.503E-06	3.5449E-08	2.053E-08	3.54E-05	4.15E-05	1.84E-06	3.50E-08	1.15E-08	4.34E-05	3.66E-05	1.417E-06	3.397E-08	1.187E-08	3.807E-05
5063 482863.09, 3863877.25	0.01837	0.01731	0.01758	0.01814	0.01913	3.45E-05	1.519E-06	3.6005E-08	2.137E-08	3.61E-05	4.23E-05	1.86E-06	3.55E-08	1.20E-08	4.42E-05	3.73E-05	1.432E-06	3.451E-08	1.236E-08	3.878E-05
5064 483363.09, 3863877.25	0.01864	0.01815	0.01778	0.01822	0.01955	3.50E-05	1.592E-06	3.6163E-08	2.184E-08	3.67E-05	4.29E-05	1.95E-06	3.57E-08	1.22E-08	4.49E-05	3.78E-05	1.501E-06	3.466E-08	1.263E-08	3.939E-05
5065 483863.09, 3863877.25	0.01891	0.0185	0.01796	0.01835	0.01985	3.55E-05	1.623E-06	3.6421E-08	2.218E-08	3.72E-05	4.35E-05	1.99E-06	3.59E-08	1.24E-08	4.56E-05	3.84E-05	1.53E-06	3.491E-08	1.282E-08	3.997E-05
5066 484363.09, 3863877.25	0.01896	0.01735	0.01775	0.01841	0.02007	3.56E-05	1.522E-06	3.654E-08	2.242E-08	3.72E-05	4.37E-05	1.87E-06	3.61E-08	1.26E-08	4.56E-05	3.85E-05	1.435E-06	3.502E-08	1.296E-08	3.998E-05
5067 484863.09, 3863877.25	0.01894	0.01631	0.01734	0.01839	0.01999	3.56E-05	1.431E-06	3.6501E-08	2.234E-08	3.71E-05	4.36E-05	1.75E-06	3.60E-08	1.25E-08	4.54E-05	3.85E-05	1.349E-06	3.498E-08	1.291E-08	3.985E-05
5068 485363.09, 3863877.25	0.01878	0.01729	0.01694	0.0179	0.01951	3.53E-05	1.517E-06	3.5528E-08	2.18E-08	3.69E-05	4.32E-05	1.86E-06	3.51E-08	1.22E-08	4.52E-05	3.81E-05	1.43E-06	3.405E-08	1.26E-08	3.961E-05
5069 485863.09, 3863877.25	0.0187	0.01755	0.01677	0.01754	0.01915	3.51E-05	1.54E-06	3.4814E-08	2.14E-08	3.67E-05	4.31E-05	1.89E-06	3.44E-08	1.20E-08	4.50E-05	3.80E-05	1.451E-06	3.337E-08	1.237E-08	3.947E-05
5070 486363.09, 3863877.25	0.01844	0.01733	0.01639	0.01719	0.01884	3.47E-05	1.52E-06	3.4119E-08	2.105E-08	3.62E-05	4.25E-05	1.86E-06	3.37E-08	1.18E-08	4.44E-05	3.74E-05	1.433E-06	3.27E-08	1.217E-08	3.892E-05
5071 486863.09, 3863877.25	0.0183	0.01752	0.01627	0.01699	0.01839	3.44E-05	1.537E-06	3.3722E-08	2.055E-08	3.60E-05	4.21E-05	1.88E-06	3.33E-08	1.15E-08	4.41E-05	3.72E-05	1.449E-06	3.232E-08	1.188E-08	3.865E-05
5072 487363.09, 3863877.25	0.0182	0.01643	0.01624	0.01705	0.01838	3.42E-05	1.441E-06	3.3841E-08	2.054E-08	3.57E-05	4.19E-05	1.77E-06	3.34E-08	1.15E-08	4.37E-05	3.70E-05	1.359E-06	3.243E-08	1.187E-08	3.836E-05
5073 487863.09, 3863877.25	0.01807	0.01544	0.01617	0.01719	0.01834	3.40E-05	1.355E-06	3.4119E-08	2.049E-08	3.54E-05	4.16E-05	1.66E-06	3.37E-08	1.15E-08	4.33E-05	3.67E-05	1.277E-06	3.27E-08	1.185E-08	3.801E-05
5074 488363.09, 3863877.25	0.01801	0.01586	0.01632	0.01718	0.01838	3.38E-05	1.391E-06	3.4099E-08	2.054E-08	3.53E-05	4.15E-05	1.70E-06	3.37E-08	1.15E-08	4.32E-05	3.66E-05	1.312E-06	3.268E-08	1.187E-08	3.792E-05
5075 488863.09, 3863877.25	0.01786	0.01691	0.01648	0.01685	0.01862	3.36E-05	1.483E-06	3.3444E-08	2.08E-08	3.51E-05	4.11E-05	1.82E-06	3.30E-08	1.16E-08	4.30E-05	3.63E-05	1.398E-06	3.205E-08	1.203E-08	3.771E-05
5076 489363.09, 3863877.25	0.01765	0.01724	0.01644	0.01645	0.01858	3.32E-05	1.512E-06	3.265E-08	2.076E-08	3.47E-05	4.06E-05	1.85E-06	3.22E-08	1.16E-08	4.25E-05	3.58E-05	1.426E-06	3.129E-08	1.2E-08	3.731E-05
5077 489863.09, 3863877.25	0.01756	0.01679	0.01644	0.0164	0.01843	3.30E-05	1.473E-06	3.2551E-08	2.059E-08	3.45E-05	4.04E-05	1.80E-06	3.21E-08	1.15E-08	4.23E-05	3.57E-05	1.389E-06	3.12E-08	1.191E-08	3.709E-05
5078 490363.09, 3863877.25	0.01757	0.01646	0.01667	0.01661	0.01864	3.30E-05	1.444E-06	3.2968E-08	2.083E-08	3.45E-05	4.05E-05	1.77E-06	3.25E-08	1.17E-08	4.23E-05	3.57E-05	1.361E-06	3.16E-08	1.204E-08	3.708E-05
5079 490863.09, 3863877.25	0.01771	0.01708	0.01705	0.01676	0.01909	3.33E-05	1.498E-06	3.3266E-08	2.133E-08	3.48E-05	4.08E-05	1.84E-06	3.28E-08	1.19E-08	4.27E-05	3.60E-05	1.412E-06	3.188E-08	1.233E-08	3.741E-05
5080 491363.09, 3863877.25	0.01788	0.01762	0.01732	0.01684	0.01943	3.36E-05	1.546E-06	3.3424E-08	2.171E-08	3.52E-05	4.12E-05	1.89E-06	3.30E-08	1.22E-08	4.31E-05	3.63E-05	1.457E-06	3.203E-08	1.255E-08	3.78E-05
5081 491863.09, 3863877.25	0.01852	0.01817	0.01803	0.01755	0.01987	3.48E-05	1.594E-06	3.4834E-08	2.22E-08	3.65E-05	4.26E-05	1.95E-06	3.44E-08	1.24E-08	4.46E-05	3.76E-05	1.503E-06	3.338E-08	1.284E-08	3.915E-05
5082 492363.09, 3863877.25	0.01899	0.01888	0.01876	0.01807	0.02026	3.57E-05	1.656E-06	3.5866E-08	2.264E-08	3.74E-05	4.37E-05	2.03E-06	3.54E-08	1.27E-08	4.58E-05	3.86E-05	1.561E-06	3.437E-08	1.309E-08	4.017E-05
5083 492863.09, 3863877.25	0.01901	0.01919	0.01899	0.01795	0.01927	3.57E-05	1.683E-06	3.5627E-08	2.153E-08	3.75E-05	4.38E-05	2.06E-06	3.52E-08	1.21E-08	4.59E-05	3.86E-05	1.587E-06	3.415E-08	1.245E-08	4.023E-05
5084 493363.09, 3863877.25	0.01903	0.01946	0.01931	0.01807	0.01907	3.58E-05	1.707E-06	3.5866E-08	2.131E-08	3.75E-05	4.38E-05	2.09E-06	3.54E-08	1.19E-08	4.60E-05	3.86E-05	1.609E-06	3.437E-08	1.232E-08	4.029E-05
5085 493863.09, 3863877.25	0.01948	0.01999	0.01987	0.01856	0.02135	3.66E-05	1.754E-06	3.6838E-08	2.385E-08	3.84E-05	4.49E-05	2.15E-06	3.64E-08	1.34E-08	4.71E-05	3.96E-05	1.653E-06	3.531E-08	1.379E-08	4.125E-05
5086 494363.09, 3863877.25	0.01934	0.02	0.01984	0.01856	0.02188	3.63E-05	1.755E-06	3.6838E-08	2.445E-08	3.82E-05	4.45E-05	2.15E-06	3.64E-08	1.37E-08	4.67E-05	3.93E-05	1.654E-06	3.531E-08	1.413E-08	4.097E-05
5087 494863.09, 3863877.25	0.01862	0.01928	0.01911	0.0179	0.02083	3.50E-05	1.691E-06	3.5528E-08	2.327E-08	3.67E-05	4.29E-05	2.07E-06	3.51E-08	1.30E-08	4.50E-05	3.78E-05	1.594E-06	3.405E-08	1.346E-08	3.945E-05
5088 495363.09, 3863877.25	0.01782	0.01837	0.01822	0.01702	0.01949	3.35E-05	1.612E-06	3.3782E-08	2.178E-08	3.52E-05	4.10E-05	1.97E-06	3.33E-08	1.22E-08	4.31E-05	3.62E-05	1.519E-06	3.238E-08	1.259E-08	3.775E-05
5089 495863.09, 3863877.25	0.01729	0.01779	0.01765	0.0164	0.01875	3.25E-05	1.561E-06	3.2551E-08	2.095E-08	3.41E-05	3.98E-05	1.91E-06	3.21E-08	1.17E-08	4.18E-05	3.51E-05	1.471E-06	3.12E-08	1.211E-08	3.662E-05
5090 496363.09, 3863877.25	0.01679	0.01734	0.01719	0.01592	0.01871	3.16E-05	1.521E-06	3.1598E-08	2.09E-08	3.31E-05	3.87E-05	1.86E-06	3.12E-08	1.17E-08	4.06E-05	3.41E-05	1.434E-06	3.028E-08	1.209E-08	3.557E-05
5091 496863.09, 3863877.25	0.01645	0.01706	0.0169	0.0156	0.01864	3.09E-05	1.497E-06	3.0963E-08	2.083E-08	3.25E-05	3.79E-05	1.83E-06	3.06E-08	1.17E-08	3.98E-05	3.34E-05	1.411E-06	2.968E-08	1.204E-08	3.485E-05
5092 497363.09, 3863877.25	0.01629	0.01695	0.01678	0.01535	0.01859	3.06E-05	1.487E-06	3.0467E-08	2.077E-08	3.22E-05	3.75E-05	1.82E-06	3.01E-08	1.16E-08	3.94E-05	3.31E-05	1.402E-06	2.92E-08	1.201E-08	3.452E-05
5093 497863.09, 3863877.25	0.01635	0.01711	0.01691	0.01526	0.01877	3.07E-05	1.501E-06	3.0288E-08	2.097E-08	3.23E-05	3.77E-05	1.84E-06	2.99E-08	1.17E-08	3.95E-05	3.32E-05	1.415E-06	2.903E-08	1.212E-08	3.465E-05
5094 498363.09, 3863877.25	0.01645	0.01741	0.01717	0.01533	0.01917	3.09E-05	1.527E-06	3.0427E-08	2.142E-08	3.25E-05	3.79E-05	1.87E-06	3.00E-08	1.20E-08	3.98E-05	3.34E-05	1.44E-06	2.916E-08	1.238E-08	3.488E-05
5095 471363.09, 3864377.25	0.0082	0.00791	0.00807	0.00818	0.008	1.54E-05	6.939E-07	1.6236E-08	8.939E-09	1.61E-05	1.89E-05	8.50E-07	1.60E-08	5.00E-09	1.98E-05	1.66E-05	6.541E-07	1.556E-08	5.168E-09	1.732E-05
5096 471863.09, 3864377.25	0.00842	0.0084	0.00829	0.00838	0.00821	1.58E-05	7.369E-07	1.6633E-08	9.173E-09	1.66E-05	1.94E-05	9.03E-07	1.64E-08	5.13E-09	2.03E-05	1.71E-05	6.947E-07	1.594E-08	5.303E-09	1.781E-05
5097 472363.09, 3864377.25	0.00864	0.00891	0.00851	0.00856	0.00846	1.62E-05	7.816E-07	1.699E-08	9.452E-09	1.70E-05	1.99E-05	9.58E-07	1.68E-08	5.29E-09	2.09E-05	1.75E-05	7.368E-07	1.628E-08	5.465E-09	1.83E-05
5098 472863.09, 3864377.25	0.00886	0.00938	0.00873	0.00872	0.00873	1.66E-05	8.229E-07	1.7308E-08	9.754E-09	1.75E-05	2.04E-05	1.01E-06	1.71E-08	5.46E-09	2.14E-05	1.80E-05	7.757E-07	1.659E-08	5.639E-09	1.879E-05
5099 473363.09, 3864377.25	0.00907	0.00964	0.0089	0.00885	0.00903	1.70E-05	8.457E-07	1.7566E-08	1.009E-08	1.79E-05	2.09E-05	1.04E-06	1.73E-08	5.65E-09	2.19E-05	1.84E-05	7.972E-07	1.683E-08	5.833E-09	1.924E-05
5100 473863.09, 3864377.25	0.00929	0.00967	0.00905	0.00901	0.00931	1.75E-05	8.483E-07	1.7883E-08	1.04E-08	1.83E-05	2.14E-05	1.04E-06	1.76E-08	5.82E-09	2.25E-05	1.89E-05	7.997E-07	1.714E-08	6.014E-09	1.969E-05
5101 474363.09, 3864377.25	0.00955	0.00954	0.00921	0.0092	0.00955	1.79E-05	8.369E-07	1.826E-08	1.067E-08	1.88E-05	2.20E-05	1.03E-06	1.80E-08	5.97E-09	2.30E-05	1.94E-05	7.889E-07	1.75E-08	6.169E-09	2.02E-05
5102 474863.09, 3864377.25	0.00981	0.00935	0.00931	0.00939	0.00974	1.84E-05	8.202E-07	1.8637E-08	1.088E-08	1.93E-05	2.26E-05	1.01E-06	1.84E-08	6.09E-09	2.36E-05	1.99E-05	7.732E-07	1.786E-08	6.292E-09	2.072E-05
5103 475363.09, 3864377.25	0.01014	0.00939	0.0095	0.00968	0.00987	1.91E-05	8.238E-07	1.9213E-08	1.103E-08	1.99E-05	2.34E-05	1.01E-06	1.90E-08	6.17E-09	2.44E-05	2.06E-05	7.765E-07	1.841E-08	6.376E-09	2.139E-05
5104 475863.09, 3864377.25	0.0105	0.00969	0.00974	0.01003	0.00999	1.97E-05	8.501E-07	1.9908E-08	1.116E-08	2.06E-05	2.42E-05	1.04E-06	1.96E-08	6.25E-09	2.52E-05	2.13E-05	8.014E-07	1.908E-08	6.453E-09	2.215E-05
5105 476363.09, 3864377.25	0.01093	0.01021	0.0101	0.01048	0.01017	2.05E-05	8.957E-07	2.0801E-08	1.136E-08	2.15E-05	2.52E-05	1.10E-06	2.05E-08	6.36E-09	2.63E-05	2.22E-05	8.444E-07	1.994E-08	6.569E-09	2.306E-05
5106 476863.09, 3864377.25	0.01139	0.01074	0.01055	0.01101	0.01044	2.14E-05	9.422E-07	2.1853E-08	1.166E-08	2.24E-05	2.62E-05	1.15E-06	2.16E-08	6.53E-09	2.74E-05	2.31E-05	8.882E-07	2.094E-08	6.744E-09	2.404E-05
5107 477363.09, 3864377.25	0.01181	0.01109	0.01098	0.01148	0.01095	2.22E-05	9.729E-07	2.2786E-08	1.223E-08	2.32E-05	2.72E-05	1.19E-06	2.25E-08	6.85E-09	2.84E-05	2.40E-05	9.171E-07	2.184E-08	7.073E-09	2.492E-05
5108 477863.09, 3864377.25	0.01227	0.01154	0.01145	0.01194	0.01151	2.31E-05	1.012E-06	2.3699E-08	1.286E-08	2.41E-05	2.83E-05	1.24E-06	2.34E-08	7.20E-09	2.95E-05	2.49E-05	9.543E-07	2.271E-08	7.435E-09	2.59E-05
5109 478363.09, 3864377.25	0.01275	0.0122	0.01199	0.01244	0.01205	2.40E-05	1.07E-06	2.4691E-08	1.346E-08	2.51E-05	2.94E-05	1.31E-06	2.44E-08	7.54E-09	3.07E-05	2.59E-05	1.009E-06	2.366E-08	7.784E-09	2.693E-05
5110 478863.09, 3864377.25	0.01325	0.01273	0.01256	0.01304	0.01261	2.49E-05	1.117E-06	2.5882E-08	1.409E-08	2.61E-05	3.05E-05	1.37E-06	2.55E-08	7.89E-09	3.19E-05	2.69E-05	1.053E-06	2.481E-08	8.146E-09	2.799E-05
5111 479363.09, 3864377.25	0.01371	0.01293	0.01308	0.01362	0.01324	2.58E-05	1.134E-06	2.7033E-08	1.479E-08	2.69E-05	3.16E-05	1.39E-06	2.67E-08	8.28E-09	3.30E-05	2.78E-05	1.069E-06	2.591E-08	8.553E-09	2.894E-05
5112 479863.09, 3864377.25	0.01424	0.01301	0.01361	0.01427	0.01392	2.68E-05	1.141E-06	2.8323E-08	1.555E-08	2.79E-05	3.28E-05	1.40E-06	2.80E-08	8.71E-09	3.42E-05	2.89E-05	1.076E-06	2.715E-08	8.992E-09	3.002E-05
5113 480363.09, 3864377.25	0.01475	0.01311	0.01409	0.01487	0.01464	2.77E-05	1.15E-06	2.9514E-08	1.636E-08	2.89E-05	3.40E-05	1.41E-06	2.91E-08	9.16E-09	3.54E-05	2.99E-05	1.084E-06	2.829E-08	9.457E-09	3.107E-05
5114 480863.09, 3864377.25	0.01509	0.0135	0.01438	0.01513	0.01526	2.84E-05	1.184E-06	3.003E-08	1.705E-08	2.96E-05	3.47E-05	1.45E-06	2.96E-08	9.54E-09	3.62E-05	3.06E-05	1.116E-06	2.878E-08	9.857E-09	3.179E-05
5115 481363.09, 3864377.25	0.01549	0.01447	0.01478	0.01536	0.01575	2.91E-05	1.269E-06	3.0487E-08	1.76E-08	3.04E-05	3.57E-05	1.56E-06	3.01E-08	9.85E-09	3.73E-05	3.15E-05	1.197E-06	2.922E-08	1.017E-08	3.269E-05
5116 481863.09, 3864377.25	0.01597	0.01522	0.01526	0.01576	0.01621	3.00E-05	1.335E-06	3.1281E-08	1.811E-08	3.14E-05	3.68E-05	1.64E-06	3.09E-08	1.01E-08	3.85E-05	3.24E-05	1.259E-06	2.998E-08	1.047E-08	3.372E-05

5117 482363.09, 3864377.25	0.01637	0.0155	0.01564	0.01619	0.01679	3.08E-05	1.36E-06	3.2134E-08	1.876E-08	3.22E-05	3.77E-05	1.67E-06	3.17E-08	1.05E-08	3.94E-05	3.32E-05	1.282E-06	3.08E-08	1.085E-08	3.456E-05
5118 482863.09, 3864377.25	0.01665	0.01593	0.01585	0.01635	0.0173	3.13E-05	1.397E-06	3.2452E-08	1.933E-08	3.27E-05	3.83E-05	1.71E-06	3.20E-08	1.08E-08	4.01E-05	3.38E-05	1.317E-06	3.11E-08	1.118E-08	3.517E-05
5119 483363.09, 3864377.25	0.01684	0.01645	0.01599	0.01637	0.01758	3.16E-05	1.443E-06	3.2491E-08	1.964E-08	3.31E-05	3.88E-05	1.77E-06	3.21E-08	1.10E-08	4.06E-05	3.42E-05	1.36E-06	3.114E-08	1.136E-08	3.559E-05
5120 483863.09, 3864377.25	0.01699	0.01626	0.016	0.01645	0.01781	3.19E-05	1.426E-06	3.265E-08	1.99E-08	3.34E-05	3.91E-05	1.75E-06	3.22E-08	1.11E-08	4.09E-05	3.45E-05	1.345E-06	3.129E-08	1.15E-08	3.588E-05
5121 484363.09, 3864377.25	0.01707	0.01513	0.01583	0.01663	0.01789	3.21E-05	1.327E-06	3.3007E-08	1.999E-08	3.35E-05	3.93E-05	1.63E-06	3.26E-08	1.12E-08	4.10E-05	3.47E-05	1.251E-06	3.163E-08	1.156E-08	3.595E-05
5122 484863.09, 3864377.25	0.01698	0.01476	0.01546	0.01653	0.01772	3.19E-05	1.295E-06	3.2809E-08	1.98E-08	3.33E-05	3.91E-05	1.59E-06	3.24E-08	1.11E-08	4.07E-05	3.45E-05	1.221E-06	3.144E-08	1.145E-08	3.574E-05
5123 485363.09, 3864377.25	0.01686	0.01561	0.01521	0.0161	0.01736	3.17E-05	1.369E-06	3.1956E-08	1.94E-08	3.31E-05	3.88E-05	1.68E-06	3.15E-08	1.09E-08	4.05E-05	3.42E-05	1.291E-06	3.063E-08	1.121E-08	3.556E-05
5124 485863.09, 3864377.25	0.01673	0.01543	0.01497	0.01578	0.01712	3.14E-05	1.354E-06	3.132E-08	1.913E-08	3.28E-05	3.85E-05	1.66E-06	3.09E-08	1.07E-08	4.02E-05	3.40E-05	1.276E-06	3.002E-08	1.106E-08	3.529E-05
5125 486363.09, 3864377.25	0.01656	0.01544	0.01464	0.01549	0.01674	3.11E-05	1.355E-06	3.0745E-08	1.87E-08	3.25E-05	3.81E-05	1.66E-06	3.03E-08	1.05E-08	3.98E-05	3.36E-05	1.277E-06	2.947E-08	1.081E-08	3.494E-05
5126 486863.09, 3864377.25	0.01646	0.01571	0.01455	0.01531	0.0163	3.09E-05	1.378E-06	3.0388E-08	1.821E-08	3.24E-05	3.79E-05	1.69E-06	3.00E-08	1.02E-08	3.96E-05	3.34E-05	1.299E-06	2.912E-08	1.053E-08	3.476E-05
5127 487363.09, 3864377.25	0.0164	0.01489	0.01457	0.0154	0.01631	3.08E-05	1.306E-06	3.0566E-08	1.822E-08	3.22E-05	3.78E-05	1.60E-06	3.02E-08	1.02E-08	3.94E-05	3.33E-05	1.231E-06	2.929E-08	1.054E-08	3.457E-05
5128 487863.09, 3864377.25	0.0163	0.01397	0.01457	0.01557	0.01632	3.06E-05	1.226E-06	3.0904E-08	1.823E-08	3.19E-05	3.75E-05	1.50E-06	3.05E-08	1.02E-08	3.91E-05	3.31E-05	1.155E-06	2.962E-08	1.054E-08	3.429E-05
5129 488363.09, 3864377.25	0.01623	0.01414	0.01469	0.0156	0.01637	3.05E-05	1.24E-06	3.0963E-08	1.829E-08	3.18E-05	3.74E-05	1.52E-06	3.06E-08	1.02E-08	3.89E-05	3.30E-05	1.169E-06	2.968E-08	1.057E-08	3.416E-05
5130 488863.09, 3864377.25	0.01616	0.01497	0.01487	0.01542	0.01667	3.04E-05	1.313E-06	3.0606E-08	1.863E-08	3.17E-05	3.72E-05	1.61E-06	3.02E-08	1.04E-08	3.89E-05	3.28E-05	1.238E-06	2.933E-08	1.077E-08	3.409E-05
5131 489363.09, 3864377.25	0.01597	0.01546	0.01482	0.015	0.01668	3.00E-05	1.356E-06	2.9772E-08	1.864E-08	3.14E-05	3.68E-05	1.66E-06	2.94E-08	1.04E-08	3.85E-05	3.24E-05	1.279E-06	2.853E-08	1.077E-08	3.374E-05
5132 489863.09, 3864377.25	0.01585	0.01528	0.01475	0.01481	0.01643	2.98E-05	1.34E-06	2.9395E-08	1.836E-08	3.12E-05	3.65E-05	1.64E-06	2.90E-08	1.03E-08	3.82E-05	3.22E-05	1.264E-06	2.817E-08	1.061E-08	3.348E-05
5133 490363.09, 3864377.25	0.01582	0.01492	0.0149	0.01495	0.01647	2.97E-05	1.309E-06	2.9673E-08	1.84E-08	3.11E-05	3.64E-05	1.60E-06	2.93E-08	1.03E-08	3.81E-05	3.21E-05	1.234E-06	2.844E-08	1.064E-08	3.339E-05
5134 490863.09, 3864377.25	0.01599	0.0151	0.01531	0.01525	0.01692	3.00E-05	1.325E-06	3.0268E-08	1.89E-08	3.14E-05	3.68E-05	1.62E-06	2.99E-08	1.06E-08	3.85E-05	3.25E-05	1.249E-06	2.901E-08	1.093E-08	3.375E-05
5135 491363.09, 3864377.25	0.01676	0.01646	0.0163	0.01592	0.01757	3.15E-05	1.444E-06	3.1598E-08	1.963E-08	3.30E-05	3.86E-05	1.77E-06	3.12E-08	1.10E-08	4.04E-05	3.40E-05	1.361E-06	3.028E-08	1.135E-08	3.543E-05
5136 491863.09, 3864377.25	0.01208	0.0126	0.01275	0.01256	0.00788	2.27E-05	1.105E-06	2.4929E-08	8.804E-09	2.38E-05	2.78E-05	1.35E-06	2.46E-08	4.93E-09	2.92E-05	2.45E-05	1.042E-06	2.389E-08	5.09E-09	2.56E-05
5137 492363.09, 3864377.25	0.01659	0.01647	0.01677	0.0165	0.01519	3.12E-05	1.445E-06	3.2749E-08	1.697E-08	3.27E-05	3.82E-05	1.77E-06	3.23E-08	9.50E-09	4.00E-05	3.37E-05	1.362E-06	3.139E-08	9.812E-09	3.509E-05
5138 492863.09, 3864377.25	0.01413	0.01441	0.01496	0.01477	0.01074	2.66E-05	1.264E-06	2.9316E-08	1.2E-08	2.79E-05	3.25E-05	1.55E-06	2.89E-08	6.72E-09	3.41E-05	2.87E-05	1.192E-06	2.81E-08	6.938E-09	2.992E-05
5139 493363.09, 3864377.25	0.01595	0.01638	0.01616	0.01551	0.01421	3.00E-05	1.437E-06	3.0784E-08	1.588E-08	3.15E-05	3.67E-05	1.76E-06	3.04E-08	8.89E-09	3.85E-05	3.24E-05	1.355E-06	2.95E-08	9.179E-09	3.378E-05
5140 493863.09, 3864377.25	0.01688	0.01708	0.01712	0.01626	0.016	3.17E-05	1.498E-06	3.2273E-08	1.788E-08	3.33E-05	3.89E-05	1.84E-06	3.19E-08	1.00E-08	4.07E-05	3.43E-05	1.412E-06	3.093E-08	1.034E-08	3.573E-05
5141 494363.09, 3864377.25	0.01752	0.01796	0.01789	0.01675	0.0189	3.29E-05	1.576E-06	3.3246E-08	2.112E-08	3.46E-05	4.03E-05	1.93E-06	3.28E-08	1.18E-08	4.23E-05	3.56E-05	1.485E-06	3.186E-08	1.221E-08	3.71E-05
5142 494863.09, 3864377.25	0.01745	0.01803	0.01793	0.0168	0.01958	3.28E-05	1.582E-06	3.3345E-08	2.188E-08	3.44E-05	4.02E-05	1.94E-06	3.29E-08	1.22E-08	4.22E-05	3.54E-05	1.491E-06	3.196E-08	1.265E-08	3.697E-05
5143 495363.09, 3864377.25	0.01686	0.01746	0.01735	0.01629	0.01881	3.17E-05	1.532E-06	3.2333E-08	2.102E-08	3.33E-05	3.88E-05	1.88E-06	3.19E-08	1.18E-08	4.07E-05	3.42E-05	1.444E-06	3.099E-08	1.215E-08	3.572E-05
5144 495863.09, 3864377.25	0.01615	0.01666	0.01655	0.01552	0.01756	3.03E-05	1.462E-06	3.0804E-08	1.962E-08	3.19E-05	3.72E-05	1.79E-06	3.04E-08	1.10E-08	3.90E-05	3.28E-05	1.378E-06	2.952E-08	1.134E-08	3.421E-05
5145 496363.09, 3864377.25	0.01557	0.01601	0.0159	0.01485	0.01696	2.93E-05	1.405E-06	2.9475E-08	1.895E-08	3.07E-05	3.59E-05	1.72E-06	2.91E-08	1.06E-08	3.76E-05	3.16E-05	1.324E-06	2.825E-08	1.096E-08	3.298E-05
5146 496863.09, 3864377.25	0.01521	0.01568	0.01558	0.01448	0.01672	2.86E-05	1.376E-06	2.874E-08	1.868E-08	3.00E-05	3.50E-05	1.69E-06	2.84E-08	1.05E-08	3.68E-05	3.09E-05	1.297E-06	2.754E-08	1.08E-08	3.222E-05
5147 497363.09, 3864377.25	0.01492	0.01546	0.01534	0.01423	0.01669	2.80E-05	1.356E-06	2.8244E-08	1.865E-08	2.94E-05	3.44E-05	1.66E-06	2.79E-08	1.04E-08	3.61E-05	3.03E-05	1.279E-06	2.707E-08	1.078E-08	3.161E-05
5148 497863.09, 3864377.25	0.01494	0.01556	0.01544	0.01422	0.01677	2.81E-05	1.365E-06	2.8224E-08	1.874E-08	2.95E-05	3.44E-05	1.67E-06	2.79E-08	1.05E-08	3.61E-05	3.03E-05	1.287E-06	2.705E-08	1.083E-08	3.166E-05
5149 498363.09, 3864377.25	0.01473	0.01539	0.01525	0.01391	0.01672	2.77E-05	1.35E-06	2.7609E-08	1.868E-08	2.91E-05	3.39E-05	1.65E-06	2.72E-08	1.05E-08	3.56E-05	2.99E-05	1.273E-06	2.646E-08	1.08E-08	3.122E-05
5150 471363.09, 3864877.25	0.00779	0.00803	0.00768	0.00772	0.00764	1.46E-05	7.044E-07	1.5323E-08	8.536E-09	1.54E-05	1.79E-05	8.63E-07	1.51E-08	4.78E-09	1.88E-05	1.58E-05	6.641E-07	1.469E-08	4.935E-09	1.65E-05
5151 471863.09, 3864877.25	0.00798	0.00845	0.00786	0.00785	0.00787	1.50E-05	7.413E-07	1.5581E-08	8.793E-09	1.58E-05	1.84E-05	9.08E-07	1.54E-08	4.92E-09	1.93E-05	1.62E-05	6.988E-07	1.493E-08	5.084E-09	1.692E-05
5152 472363.09, 3864877.25	0.00817	0.00874	0.00803	0.00798	0.00811	1.54E-05	7.667E-07	1.5839E-08	9.061E-09	1.61E-05	1.88E-05	9.40E-07	1.56E-08	5.07E-09	1.98E-05	1.66E-05	7.228E-07	1.518E-08	5.239E-09	1.733E-05
5153 472863.09, 3864877.25	0.00836	0.00882	0.00817	0.00812	0.00834	1.57E-05	7.738E-07	1.6117E-08	9.318E-09	1.65E-05	1.93E-05	9.48E-07	1.59E-08	5.22E-09	2.02E-05	1.70E-05	7.294E-07	1.545E-08	5.387E-09	1.772E-05
5154 473363.09, 3864877.25	0.00854	0.00865	0.00825	0.00825	0.00855	1.60E-05	7.588E-07	1.6375E-08	9.553E-09	1.68E-05	1.97E-05	9.30E-07	1.62E-08	5.35E-09	2.06E-05	1.73E-05	7.153E-07	1.569E-08	5.523E-09	1.808E-05
5155 473863.09, 3864877.25	0.00875	0.0084	0.00833	0.00841	0.00872	1.64E-05	7.369E-07	1.6692E-08	9.743E-09	1.72E-05	2.01E-05	9.03E-07	1.65E-08	5.45E-09	2.11E-05	1.78E-05	6.947E-07	1.6E-08	5.633E-09	1.848E-05
5156 474363.09, 3864877.25	0.00899	0.00827	0.00843	0.00862	0.00884	1.69E-05	7.255E-07	1.7109E-08	9.877E-09	1.76E-05	2.07E-05	8.89E-07	1.69E-08	5.53E-09	2.16E-05	1.83E-05	6.839E-07	1.64E-08	5.71E-09	1.896E-05
5157 474863.09, 3864877.25	0.00926	0.00837	0.00858	0.00887	0.00892	1.74E-05	7.343E-07	1.7605E-08	9.966E-09	1.82E-05	2.13E-05	9.00E-07	1.74E-08	5.58E-09	2.22E-05	1.88E-05	6.922E-07	1.687E-08	5.762E-09	1.952E-05
5158 475363.09, 3864877.25	0.00957	0.00876	0.00882	0.00918	0.00902	1.80E-05	7.685E-07	1.8221E-08	1.008E-08	1.88E-05	2.20E-05	9.42E-07	1.80E-08	5.64E-09	2.30E-05	1.94E-05	7.244E-07	1.746E-08	5.827E-09	2.018E-05
5159 475863.09, 3864877.25	0.00991	0.0093	0.00914	0.00953	0.00919	1.86E-05	8.159E-07	1.8915E-08	1.027E-08	1.95E-05	2.28E-05	1.00E-06	1.87E-08	5.75E-09	2.38E-05	2.01E-05	7.691E-07	1.813E-08	5.936E-09	2.091E-05
5160 476363.09, 3864877.25	0.0103	0.00981	0.00954	0.00996	0.0095	1.94E-05	8.606E-07	1.9769E-08	1.061E-08	2.02E-05	2.37E-05	1.05E-06	1.95E-08	5.94E-09	2.48E-05	2.09E-05	8.113E-07	1.895E-08	6.137E-09	2.175E-05
5161 476863.09, 3864877.25	0.01074	0.01017	0.00999	0.01045	0.00994	2.02E-05	8.922E-07	2.0741E-08	1.111E-08	2.11E-05	2.47E-05	1.09E-06	2.05E-08	6.22E-09	2.59E-05	2.18E-05	8.41E-07	1.988E-08	6.421E-09	2.267E-05
5162 477363.09, 3864877.25	0.0111	0.01044	0.01037	0.01082	0.01045	2.09E-05	9.159E-07	2.1476E-08	1.168E-08	2.18E-05	2.56E-05	1.12E-06	2.12E-08	6.54E-09	2.67E-05	2.25E-05	8.634E-07	2.058E-08	6.75E-09	2.343E-05
5163 477863.09, 3864877.25	0.0115	0.01091	0.01078	0.01122	0.01092	2.16E-05	9.571E-07	2.227E-08	1.22E-08	2.26E-05	2.65E-05	1.17E-06	2.20E-08	6.83E-09	2.77E-05	2.33E-05	9.022E-07	2.134E-08	7.054E-09	2.428E-05
5164 478363.09, 3864877.25	0.01191	0.01136	0.01123	0.01169	0.01136	2.24E-05	9.966E-07	2.3202E-08	1.269E-08	2.34E-05	2.74E-05	1.22E-06	2.29E-08	7.11E-09	2.87E-05	2.42E-05	9.395E-07	2.224E-08	7.338E-09	2.515E-05
5165 478863.09, 3864877.25	0.01234	0.01161	0.0117	0.01222	0.01186	2.32E-05	1.019E-06	2.4254E-08	1.325E-08	2.42E-05	2.84E-05	1.25E-06	2.39E-08	7.42E-09	2.97E-05	2.51E-05	9.601E-07	2.325E-08	7.661E-09	2.605E-05
5166 479363.09, 3864877.25	0.01278	0.0118	0.01217	0.01278	0.01242	2.40E-05	1.035E-06	2.5366E-08	1.388E-08	2.51E-05	2.94E-05	1.27E-06	2.50E-08	7.77E-09	3.07E-05	2.59E-05	9.758E-07	2.431E-08	8.023E-09	2.696E-05
5167 479863.09, 3864877.25	0.01321	0.01197	0.0126	0.01329	0.01302	2.48E-05	1.05E-06	2.6378E-08	1.455E-08	2.59E-05	3.04E-05	1.29E-06	2.60E-08	8.14E-09	3.17E-05	2.68E-05	9.899E-07	2.528E-08	8.411E-09	2.784E-05
5168 480363.09, 3864877.25	0.01363	0.01224	0.013	0.01372	0.01365	2.56E-05	1.074E-06	2.7232E-08	1.525E-08	2.67E-05	3.14E-05	1.32E-06	2.69E-08	8.54E-09	3.27E-05	2.77E-05	1.012E-06	2.61E-08	8.817E-09	2.872E-05
5169 480863.09, 3864877.25	0.01392	0.01269	0.01326	0.01387	0.01415	2.62E-05	1.113E-06	2.7529E-08	1.581E-08	2.73E-05	3.21E-05	1.36E-06	2.72E-08	8.85E-09	3.35E-05	2.83E-05	1.049E-06	2.638E-08	9.14E-09	2.935E-05
5170 481363.09, 3864877.25	0.01427	0.01334	0.01358	0.01408	0.01452	2.68E-05	1.17E-06	2.7946E-08	1.622E-08	2.80E-05	3.29E-05	1.43E-06	2.76E-08	9.08E-09	3.43E-05	2.90E-05	1.103E-06	2.678E-08	9.379E-09	3.011E-05
5171 481863.09, 3864877.25	0.0146	0.01386	0.0139	0.0144	0.01487	2.74E-05	1.216E-06	2.8581E-08	1.661E-08	2.87E-05	3.36E-05	1.49E-06	2.82E-08	9.30E-09	3.51E-05	2.96E-05	1.146E-06	2.739E-08	9.606E-09	3.083E-05
5172 482363.09, 3864877.25	0.01492	0.01428	0.01418	0.0147	0.0153	2.80E-05	1.253E-06	2.9177E-08	1.709E-08	2.93E-05	3.44E-05	1.54E-06	2.88E-08	9.57E-09	3.59E-05	3.03E-05	1.181E-06	2.796E-08	9.883E-09	3.151E-05
5173 482863.09, 3864877.25	0.01516	0.01463	0.01438	0.0148	0.0157	2.85E-05	1.283E-06	2.9375E-08	1.754E-08	2.98E-05	3.49E-05	1.57E-06	2.90E-08	9.82E-09	3.65E-05	3.08E-05	1.21E-06	2.815E-08	1.014E-08	3.203E-05
5174 483363.09, 3864877.25	0.01532	0.01487	0.01446	0.01483	0.01593	2.88E-05	1.304E-06	2.9435E-08	1.78E-08	3.01E-05	3.53E-05	1.60E-06	2.91E-08	9.96E-09	3.69E-05	3.11E-05	1.23E-06	2.821E-08	1.029E-08	3.237E-05
5175 483863.09, 3864877.25	0.01538	0.01429	0.01437	0.01491	0.01603	2.89E-05	1.254E-06	2.9594E-08	1.791E-08	3.02E-05	3.54E-05	1.54E-06	2.92E-08	1.00E-08	3.70E-05	3.12E-05	1.182E-06	2.836E-08	1.035E-08	3.245E-05
5176 484363.09, 3864877.25	0.01545	0.01345	0.01421	0.01511	0.01601	2.90E-05	1.18E-06	2.9991E-08	1.789E-08	3.03E-05	3.56E-05	1.45E-06	2.96E-08	1.00E-08	3.71E-05	3.14E-05	1.112E-06	2.874E-08	1.034E-08	3.252E-05
5177 484863.09, 3864877.25	0.0154	0.01362	0.01398	0.01501	0.01586	2.89E-05	1.195E-06	2.9792E-08	1.772E-08	3.02E-05	3.55E-05	1.46E-06	2.94E-08	9.92E-09	3.70E-05	3.13E-05	1.126E-06	2.855E-08	1.025E-08	3.243E-05
5178 485363.09, 3864877.25	0.01532	0.01416	0.01383	0.01468	0.01568	2.88E-05	1.242E-06	2.9137E-08	1.752E-08	3.01E-05	3.53E-05	1.52E-06	2.88E-08	9.81E-09	3.68E-05	3.11E-05	1.171E-06	2.793E-08	1.013E-08	3.231E-05
5179 485863.09, 3864877.25	0.01513	0.01374	0.0135	0.01435	0.01544	2.84E-05	1.205E-06	2.8482E-08	1.725E-08	2.97E-05	3.48E-05	1.48E-06	2.81E-08	9.66E-09	3.64E-05	3.07E-05	1.136E-06	2.73E-08	9.974E-09	3.189E-05
5180 486363.09, 3864877.25	0.01497	0.01386	0.01317	0.01405	0.01497	2.81E-05	1.216E-06	2.7887E-08	1.673E-08	2.94E-05	3.45E-05	1.49E-06	2.75E-08	9.36E-09	3.60E-05	3.04E-05	1.146E-06	2.673E-08	9.67E-09	3.158E-05
5181 486863.09, 3864877.25	0.01489	0.01415	0.0131	0.01388	0.01458	2.80E-05	1.241E-06	2.7549E-08	1.629E-08	2.93E-05	3.43E-05	1.52E-06	2.72E-08	9.12E-09	3.58E-05	3.02E-05	1.17E-06	2.64E-08	9.418E-09	3.144E-05
5182 487363.09, 3864877.25	0.01481	0.01352	0.01311	0.01393	0.01455	2.78E-05	1.186E-06	2.7648E-08	1.626E-08	2.91E-05	3.41E-05	1.45E-06	2.73E-08	9.10E-09	3.56E-05	3.01E-05	1.118E-06	2.65E-08	9.399E-09	3.122E-05
5183 487863.09, 3864877.25	0.01476	0.01269	0.01314	0.01414	0.01459	2.77E-05	1.113E-06	2.8065E-08	1.63E-08	2.89E-05	3.40E-05	1.36E-06	2.77E-08	9.13E-09	3.54E-05	3.00E-05	1.049E-06	2.69E-08	9.425E-09	3.105E-05
5184 488363.09, 3864877.25	0.01477	0.01277	0.01333	0.01426	0.01471	2.78E-05	1.12E-06	2.8303E-08	1.644E-08	2.89E-05	3.40E-05	1.37E-06	2.79E-08	9.20E-09	3.54E-05	3.00E-05	1.056E-06	2.713E-08	9.502E-09	3.108E-05
5185 488863.09, 3864877.25	0.01472	0.01338	0.01351	0.01417	0.01501	2.77E-05	1.174E-06	2.8125E-08	1.677E-08	2.89E-05	3.39E-05	1.44E-06	2.78E-08	9.39E-09	3.54E-05	2.99E-05	1.107E-06	2.695E-08	9.696E-09	3.103E-05
5186 489363.09, 3864877.25	0.01458	0.01391	0.01349	0.01382	0.0151	2.74E-05	1.22E-06	2.743E-08	1.687E-08	2.87E-05	3.36E-05	1.50E-06	2.71E-08	9.44E-09	3.51E-05	2.96E-05	1.15E-06	2.629E-08	9.754E-09	3.079E-05
5187 489863.09, 3864877.25	0.01441	0.01388	0.01335	0.01352	0.01484	2.71E-05	1.218E-06	2.6835E-08	1.658E-08	2.83E-05	3.32E-05	1.49E-06	2.65E-08	9.28E-09	3.47E-05	2.93E-05	1.148E-06	2.572E-08	9.586E-09	3.044E-05
5188 490363.09, 3864877.25	0.01437	0.01369	0.01343	0.01354	0.01469	2.70E-05	1.201E-06	2.6874E-08	1.641E-08	2.82E-05	3.31E-05	1.47E-06	2.65E-08	9.19E-09	3.46E-05	2.92E-05	1.132E-06	2.576E-08	9.489E-09	3.034E-05
5189 490863.09, 3864877.25	0.01511	0.01436	0.0146	0.0146	0.01486	2.84E-05	1.26E-06	2.8978E-08	1.66E-08	2.97E-05	3.48E-05	1.54E-06	2.86E-08	9.29E-09	3.64E-05	3.07E-05	1.188E-06	2.777E-08	9.599E-09	3.19E-05
5190 491363.09, 3864877.25	0.01513	0.01454	0.01466	0.01451	0.01562	2.84E-05	1.276E-06	2.88E-08	1.745E-08	2.98E-05	3.48E-05	1.56E-06	2.84E-08	9.77E-09	3.64E-05	3.07E-05	1.202E-06	2.76E-08	1.009E-08	3.196E-05
5191 491863.09, 3864877.25	0.01541	0.01535	0.01518	0.01476	0.01512	2.90E-05	1.347E-06	2.9296E-08	1.689E-08	3.04E-05	3.55E-05	1.65E-06	2.89E-08	9.46E-09	3.72E-05	3.13E-05	1.269E-06	2.808E-08	9.767E-09	3.26E-05
5192 492363.09, 3864877.25	0.00752	0.00739	0.00762	0.00793	0.00465	1.41E-05	6.483E-07	1.574E-08	5.196E-09	1.48E-05	1.73E-05	7.94E-07	1.55E-08	2.91E-09	1.81E-05	1.53E-05	6.111E-07	1.508E-08	3.004E-09	1.59E-05
5193 492863.09, 3864877.25	0.01029	0.0102	0.0108	0.01098	0.00676	1.93E-05	8.948E-07	2.1793E-08	7.553E-09	2.03E-05	2.37E-05	1.10E-06	2.15E-08	4.23E-09	2.48E-05	2.09E-05	8.435E-07	2.089E-08	4.367E-09	2.176E-05
5194 493363.09, 3864877.25	0.00979	0.00976	0.01029	0.01042	0.0067	1.84E-05	8.562E-07	2.0682E-08	7.486E-09	1.93E-05	2.25E-05	1.05E-06	2.04E-08	4.19E-09	2.36E-05	1.99E-05	8.071E-07	1.982E-08	4.328E-09	2.071E-05
5195 493863.09, 3864877.25	0.0146	0.01484	0.01466	0.01412	0.01322	2.74E-05	1.302E-06	2.8026E-08	1.477E-08	2.88E-05	3.36E-05	1.60E-06	2.77E-08	8.27E-09	3.53E-05	2.96E-05	1.227E-06	2.686E-08	8.54E-09	3.091E-05
5196 494363.09, 3864877.25	0.01534	0.01553	0.01566	0.01474	0.01478	2.88E-05	1.362E-06	2.9256E-08	1.651E-08	3.02E-05	3.53E-05	1.67E-06	2.89E-08	9.24E-09	3.70E-05	3.11E-05	1.284E-06	2.804E-08	9.547E-09	3.247E-05

5197 494863.09, 3864877.25	0.01582	0.01619	0.01615	0.01517	0.01704	2.97E-05	1.42E-06	3.011E-08	1.904E-08	3.12E-05	3.64E-05	1.74E-06	2.97E-08	1.07E-08	3.82E-05	3.21E-05	1.339E-06	2.886E-08	1.101E-08	3.35E-05
5198 495363.09, 3864877.25	0.01581	0.01633	0.01626	0.01526	0.01763	2.97E-05	1.433E-06	3.0288E-08	1.97E-08	3.12E-05	3.64E-05	1.76E-06	2.99E-08	1.10E-08	3.82E-05	3.21E-05	1.35E-06	2.903E-08	1.139E-08	3.349E-05
5199 495863.09, 3864877.25	0.01526	0.01581	0.01572	0.0148	0.01699	2.87E-05	1.387E-06	2.9375E-08	1.898E-08	3.01E-05	3.51E-05	1.70E-06	2.90E-08	1.06E-08	3.69E-05	3.10E-05	1.307E-06	2.815E-08	1.098E-08	3.233E-05
5200 496363.09, 3864877.25	0.01473	0.01521	0.01513	0.01424	0.01597	2.77E-05	1.334E-06	2.8264E-08	1.784E-08	2.91E-05	3.39E-05	1.64E-06	2.79E-08	9.99E-09	3.56E-05	2.99E-05	1.258E-06	2.709E-08	1.032E-08	3.12E-05
5201 496863.09, 3864877.25	0.01421	0.01461	0.01454	0.01363	0.01512	2.67E-05	1.282E-06	2.7053E-08	1.689E-08	2.80E-05	3.27E-05	1.57E-06	2.67E-08	9.46E-09	3.43E-05	2.89E-05	1.208E-06	2.593E-08	9.767E-09	3.01E-05
5202 497363.09, 3864877.25	0.01383	0.01423	0.01416	0.01322	0.01504	2.60E-05	1.248E-06	2.6239E-08	1.68E-08	2.73E-05	3.18E-05	1.53E-06	2.59E-08	9.41E-09	3.34E-05	2.81E-05	1.177E-06	2.515E-08	9.715E-09	2.929E-05
5203 497863.09, 3864877.25	0.01365	0.01413	0.01405	0.01307	0.01503	2.57E-05	1.24E-06	2.5942E-08	1.679E-08	2.69E-05	3.14E-05	1.52E-06	2.56E-08	9.40E-09	3.30E-05	2.77E-05	1.169E-06	2.486E-08	9.709E-09	2.892E-05
5204 498363.09, 3864877.25	0.01347	0.01401	0.01392	0.0129	0.01505	2.53E-05	1.229E-06	2.5604E-08	1.682E-08	2.66E-05	3.10E-05	1.51E-06	2.53E-08	9.41E-09	3.26E-05	2.73E-05	1.159E-06	2.454E-08	9.722E-09	2.854E-05
5205 471363.09, 3865377.25	0.00738	0.0079	0.00725	0.00721	0.00735	1.39E-05	6.93E-07	1.4311E-08	8.212E-09	1.46E-05	1.70E-05	8.49E-07	1.41E-08	4.60E-09	1.79E-05	1.50E-05	6.533E-07	1.372E-08	4.748E-09	1.566E-05
5206 471863.09, 3865377.25	0.00755	0.00802	0.00739	0.00733	0.00754	1.42E-05	7.036E-07	1.4549E-08	8.425E-09	1.49E-05	1.74E-05	8.62E-07	1.44E-08	4.72E-09	1.83E-05	1.53E-05	6.632E-07	1.394E-08	4.871E-09	1.601E-05
5207 472363.09, 3865377.25	0.00772	0.00794	0.00748	0.00746	0.00771	1.45E-05	6.966E-07	1.4807E-08	8.614E-09	1.52E-05	1.78E-05	8.54E-07	1.46E-08	4.82E-09	1.87E-05	1.57E-05	6.566E-07	1.419E-08	4.98E-09	1.635E-05
5208 472863.09, 3865377.25	0.00791	0.00774	0.00757	0.00763	0.00785	1.49E-05	6.79E-07	1.5144E-08	8.771E-09	1.56E-05	1.82E-05	8.32E-07	1.49E-08	4.91E-09	1.91E-05	1.61E-05	6.401E-07	1.451E-08	5.071E-09	1.672E-05
5209 473363.09, 3865377.25	0.00807	0.00748	0.0076	0.00776	0.00796	1.52E-05	6.562E-07	1.5402E-08	8.894E-09	1.58E-05	1.86E-05	8.04E-07	1.52E-08	4.98E-09	1.94E-05	1.64E-05	6.186E-07	1.476E-08	5.142E-09	1.702E-05
5210 473863.09, 3865377.25	0.00827	0.0074	0.00767	0.00794	0.00803	1.55E-05	6.492E-07	1.5759E-08	8.972E-09	1.62E-05	1.90E-05	7.96E-07	1.56E-08	5.02E-09	1.99E-05	1.68E-05	6.12E-07	1.51E-08	5.187E-09	1.742E-05
5211 474363.09, 3865377.25	0.0085	0.00758	0.00781	0.00817	0.00809	1.60E-05	6.65E-07	1.6216E-08	9.039E-09	1.67E-05	1.96E-05	8.15E-07	1.60E-08	5.06E-09	2.04E-05	1.73E-05	6.269E-07	1.554E-08	5.226E-09	1.791E-05
5212 474863.09, 3865377.25	0.00878	0.00802	0.00805	0.00845	0.00819	1.65E-05	7.036E-07	1.6772E-08	9.151E-09	1.72E-05	2.02E-05	8.62E-07	1.66E-08	5.12E-09	2.11E-05	1.78E-05	6.632E-07	1.607E-08	5.29E-09	1.851E-05
5213 475363.09, 3865377.25	0.00906	0.00855	0.00834	0.00873	0.00837	1.70E-05	7.501E-07	1.7327E-08	9.352E-09	1.78E-05	2.09E-05	9.19E-07	1.71E-08	5.23E-09	2.18E-05	1.84E-05	7.071E-07	1.661E-08	5.407E-09	1.912E-05
5214 475863.09, 3865377.25	0.0094	0.00902	0.00871	0.0091	0.00867	1.77E-05	7.913E-07	1.8062E-08	9.687E-09	1.85E-05	2.16E-05	9.70E-07	1.78E-08	5.42E-09	2.26E-05	1.91E-05	7.459E-07	1.731E-08	5.601E-09	1.985E-05
5215 476363.09, 3865377.25	0.00988	0.00944	0.00922	0.00963	0.00904	1.86E-05	8.281E-07	1.9114E-08	1.01E-08	1.94E-05	2.28E-05	1.01E-06	1.89E-08	5.65E-09	2.38E-05	2.01E-05	7.807E-07	1.832E-08	5.84E-09	2.086E-05
5216 476863.09, 3865377.25	0.01024	0.00974	0.00969	0.01008	0.00913	1.92E-05	8.545E-07	2.0007E-08	1.02E-08	2.01E-05	2.36E-05	1.05E-06	1.97E-08	5.71E-09	2.47E-05	2.08E-05	8.055E-07	1.917E-08	5.898E-09	2.162E-05
5217 477363.09, 3865377.25	0.01057	0.00998	0.00991	0.01034	0.00995	1.99E-05	8.755E-07	2.0523E-08	1.112E-08	2.08E-05	2.43E-05	1.07E-06	2.03E-08	6.22E-09	2.54E-05	2.15E-05	8.253E-07	1.967E-08	6.427E-09	2.231E-05
5218 477863.09, 3865377.25	0.01084	0.01024	0.01017	0.01061	0.0103	2.04E-05	8.983E-07	2.1059E-08	1.151E-08	2.13E-05	2.50E-05	1.10E-06	2.08E-08	6.44E-09	2.61E-05	2.20E-05	8.468E-07	2.018E-08	6.653E-09	2.288E-05
5219 478363.09, 3865377.25	0.01123	0.01051	0.01058	0.01109	0.0107	2.11E-05	9.22E-07	2.2012E-08	1.196E-08	2.21E-05	2.59E-05	1.13E-06	2.17E-08	6.69E-09	2.70E-05	2.28E-05	8.692E-07	2.11E-08	6.912E-09	2.37E-05
5220 478863.09, 3865377.25	0.01158	0.01072	0.01097	0.01154	0.01116	2.18E-05	9.404E-07	2.2905E-08	1.247E-08	2.27E-05	2.67E-05	1.15E-06	2.26E-08	6.98E-09	2.78E-05	2.35E-05	8.865E-07	2.195E-08	7.209E-09	2.443E-05
5221 479363.09, 3865377.25	0.01195	0.011	0.01137	0.012	0.01167	2.25E-05	9.65E-07	2.3818E-08	1.304E-08	2.35E-05	2.75E-05	1.18E-06	2.35E-08	7.30E-09	2.87E-05	2.43E-05	9.097E-07	2.283E-08	7.538E-09	2.52E-05
5222 479863.09, 3865377.25	0.01234	0.01126	0.01177	0.01243	0.01224	2.32E-05	9.878E-07	2.4671E-08	1.368E-08	2.42E-05	2.84E-05	1.21E-06	2.43E-08	7.66E-09	2.97E-05	2.51E-05	9.312E-07	2.364E-08	7.907E-09	2.602E-05
5223 480363.09, 3865377.25	0.01259	0.01141	0.012	0.01261	0.01275	2.37E-05	1.001E-06	2.5029E-08	1.425E-08	2.47E-05	2.90E-05	1.23E-06	2.47E-08	7.97E-09	3.03E-05	2.56E-05	9.436E-07	2.399E-08	8.236E-09	2.654E-05
5224 480863.09, 3865377.25	0.01284	0.01172	0.01221	0.01272	0.01313	2.41E-05	1.028E-06	2.5247E-08	1.467E-08	2.52E-05	2.96E-05	1.26E-06	2.49E-08	8.21E-09	3.09E-05	2.61E-05	9.692E-07	2.42E-08	8.482E-09	2.707E-05
5225 481363.09, 3865377.25	0.01315	0.01226	0.01247	0.01295	0.01338	2.47E-05	1.076E-06	2.5703E-08	1.495E-08	2.58E-05	3.03E-05	1.32E-06	2.54E-08	8.37E-09	3.16E-05	2.67E-05	1.014E-06	2.463E-08	8.643E-09	2.775E-05
5226 481863.09, 3865377.25	0.01343	0.01288	0.01273	0.01322	0.01363	2.52E-05	1.13E-06	2.6239E-08	1.523E-08	2.64E-05	3.09E-05	1.38E-06	2.59E-08	8.52E-09	3.23E-05	2.73E-05	1.065E-06	2.515E-08	8.805E-09	2.837E-05
5227 482363.09, 3865377.25	0.01368	0.01321	0.01296	0.01342	0.01399	2.57E-05	1.159E-06	2.6636E-08	1.563E-08	2.69E-05	3.15E-05	1.42E-06	2.63E-08	8.75E-09	3.30E-05	2.78E-05	1.092E-06	2.553E-08	9.037E-09	2.89E-05
5228 482863.09, 3865377.25	0.01385	0.01337	0.01307	0.01345	0.01432	2.60E-05	1.173E-06	2.6696E-08	1.6E-08	2.72E-05	3.19E-05	1.44E-06	2.63E-08	8.96E-09	3.34E-05	2.81E-05	1.106E-06	2.559E-08	9.25E-09	2.926E-05
5229 483363.09, 3865377.25	0.01396	0.01334	0.01309	0.01349	0.01447	2.62E-05	1.17E-06	2.6775E-08	1.617E-08	2.74E-05	3.21E-05	1.43E-06	2.64E-08	9.05E-09	3.36E-05	2.83E-05	1.103E-06	2.566E-08	9.347E-09	2.948E-05
5230 483863.09, 3865377.25	0.01403	0.01264	0.013	0.01365	0.01448	2.64E-05	1.109E-06	2.7093E-08	1.618E-08	2.75E-05	3.23E-05	1.36E-06	2.67E-08	9.06E-09	3.37E-05	2.85E-05	1.045E-06	2.597E-08	9.354E-09	2.957E-05
5231 484363.09, 3865377.25	0.0141	0.01224	0.01288	0.01383	0.01442	2.65E-05	1.074E-06	2.745E-08	1.611E-08	2.76E-05	3.25E-05	1.32E-06	2.71E-08	9.02E-09	3.38E-05	2.86E-05	1.012E-06	2.631E-08	9.315E-09	2.968E-05
5232 484863.09, 3865377.25	0.01408	0.01266	0.01277	0.01373	0.01434	2.65E-05	1.111E-06	2.7252E-08	1.602E-08	2.76E-05	3.24E-05	1.36E-06	2.69E-08	8.97E-09	3.38E-05	2.86E-05	1.047E-06	2.612E-08	9.263E-09	2.967E-05
5233 485363.09, 3865377.25	0.01396	0.0128	0.01261	0.01342	0.01426	2.62E-05	1.123E-06	2.6636E-08	1.593E-08	2.74E-05	3.21E-05	1.38E-06	2.63E-08	8.92E-09	3.36E-05	2.83E-05	1.059E-06	2.553E-08	9.212E-09	2.944E-05
5234 485863.09, 3865377.25	0.01378	0.01235	0.01224	0.01313	0.01399	2.59E-05	1.083E-06	2.6061E-08	1.563E-08	2.70E-05	3.17E-05	1.33E-06	2.57E-08	8.75E-09	3.31E-05	2.80E-05	1.021E-06	2.498E-08	9.037E-09	2.903E-05
5235 486363.09, 3865377.25	0.01367	0.01257	0.01196	0.01286	0.0135	2.57E-05	1.103E-06	2.5525E-08	1.508E-08	2.68E-05	3.15E-05	1.35E-06	2.52E-08	8.44E-09	3.29E-05	2.78E-05	1.04E-06	2.446E-08	8.721E-09	2.883E-05
5236 486863.09, 3865377.25	0.01358	0.01282	0.01187	0.01267	0.01316	2.55E-05	1.125E-06	2.5148E-08	1.47E-08	2.67E-05	3.13E-05	1.38E-06	2.48E-08	8.23E-09	3.27E-05	2.76E-05	1.06E-06	2.41E-08	8.501E-09	2.867E-05
5237 487363.09, 3865377.25	0.0135	0.01236	0.01189	0.01271	0.0131	2.54E-05	1.084E-06	2.5227E-08	1.464E-08	2.65E-05	3.11E-05	1.33E-06	2.49E-08	8.19E-09	3.24E-05	2.74E-05	1.022E-06	2.418E-08	8.462E-09	2.846E-05
5238 487863.09, 3865377.25	0.01347	0.01163	0.01194	0.01292	0.01313	2.53E-05	1.02E-06	2.5644E-08	1.467E-08	2.64E-05	3.10E-05	1.25E-06	2.53E-08	8.21E-09	3.23E-05	2.73E-05	9.618E-07	2.458E-08	8.482E-09	2.834E-05
5239 488363.09, 3865377.25	0.01352	0.01163	0.01215	0.01309	0.01329	2.54E-05	1.02E-06	2.5981E-08	1.485E-08	2.65E-05	3.11E-05	1.25E-06	2.56E-08	8.31E-09	3.24E-05	2.75E-05	9.618E-07	2.49E-08	8.585E-09	2.845E-05
5240 488863.09, 3865377.25	0.01351	0.0121	0.01237	0.0131	0.0136	2.54E-05	1.061E-06	2.6001E-08	1.52E-08	2.65E-05	3.11E-05	1.30E-06	2.57E-08	8.51E-09	3.24E-05	2.74E-05	1.001E-06	2.492E-08	8.785E-09	2.846E-05
5241 489363.09, 3865377.25	0.01344	0.01263	0.01242	0.01286	0.01377	2.53E-05	1.108E-06	2.5525E-08	1.539E-08	2.64E-05	3.09E-05	1.36E-06	2.52E-08	8.61E-09	3.23E-05	2.73E-05	1.044E-06	2.446E-08	8.895E-09	2.837E-05
5242 489863.09, 3865377.25	0.01338	0.01281	0.01236	0.01263	0.01364	2.51E-05	1.124E-06	2.5068E-08	1.524E-08	2.63E-05	3.08E-05	1.38E-06	2.47E-08	8.53E-09	3.22E-05	2.72E-05	1.059E-06	2.403E-08	8.811E-09	2.826E-05
5243 490363.09, 3865377.25	0.01373	0.01323	0.01284	0.01299	0.01307	2.58E-05	1.161E-06	2.5783E-08	1.46E-08	2.70E-05	3.16E-05	1.42E-06	2.54E-08	8.17E-09	3.31E-05	2.79E-05	1.094E-06	2.471E-08	8.443E-09	2.9E-05
5244 490863.09, 3865377.25	0.01369	0.0131	0.01311	0.0132	0.01302	2.57E-05	1.149E-06	2.62E-08	1.455E-08	2.69E-05	3.15E-05	1.41E-06	2.59E-08	8.14E-09	3.30E-05	2.78E-05	1.083E-06	2.511E-08	8.411E-09	2.891E-05
5245 491363.09, 3865377.25	0.01374	0.01318	0.01348	0.01346	0.01332	2.58E-05	1.156E-06	2.6716E-08	1.488E-08	2.70E-05	3.16E-05	1.42E-06	2.64E-08	8.33E-09	3.31E-05	2.79E-05	1.09E-06	2.56E-08	8.604E-09	2.902E-05
5246 491863.09, 3865377.25	0.01391	0.01371	0.01374	0.01348	0.01365	2.61E-05	1.203E-06	2.6755E-08	1.525E-08	2.74E-05	3.20E-05	1.47E-06	2.64E-08	8.54E-09	3.35E-05	2.82E-05	1.134E-06	2.564E-08	8.817E-09	2.941E-05
5247 492363.09, 3865377.25	0.01292	0.01342	0.01304	0.01272	0.0108	2.43E-05	1.177E-06	2.5247E-08	1.207E-08	2.55E-05	2.98E-05	1.44E-06	2.49E-08	6.75E-09	3.12E-05	2.62E-05	1.11E-06	2.42E-08	6.976E-09	2.737E-05
5248 492863.09, 3865377.25	0.01099	0.01104	0.01138	0.01141	0.00765	2.07E-05	9.685E-07	2.2647E-08	8.547E-09	2.17E-05	2.53E-05	1.19E-06	2.24E-08	4.78E-09	2.65E-05	2.23E-05	9.13E-07	2.17E-08	4.942E-09	2.325E-05
5249 493363.09, 3865377.25	0.00914	0.00904	0.00953	0.00969	0.00606	1.72E-05	7.931E-07	1.9233E-08	6.771E-09	1.80E-05	2.10E-05	9.72E-07	1.90E-08	3.79E-09	2.20E-05	1.86E-05	7.476E-07	1.843E-08	3.915E-09	1.933E-05
5250 493863.09, 3865377.25	0.01233	0.01257	0.01283	0.01267	0.01013	2.32E-05	1.103E-06	2.5148E-08	1.132E-08	2.43E-05	2.84E-05	1.35E-06	2.48E-08	6.34E-09	2.98E-05	2.50E-05	1.04E-06	2.41E-08	6.544E-09	2.61E-05
5251 494363.09, 3865377.25	0.01338	0.0135	0.01337	0.01292	0.01224	2.51E-05	1.184E-06	2.5644E-08	1.368E-08	2.64E-05	3.08E-05	1.45E-06	2.53E-08	7.66E-09	3.23E-05	2.72E-05	1.116E-06	2.458E-08	7.907E-09	2.832E-05
5252 494863.09, 3865377.25	0.01391	0.01402	0.01421	0.01342	0.01329	2.61E-05	1.23E-06	2.6636E-08	1.485E-08	2.74E-05	3.20E-05	1.51E-06	2.63E-08	8.31E-09	3.36E-05	2.82E-05	1.159E-06	2.553E-08	8.585E-09	2.944E-05
5253 495363.09, 3865377.25	0.01439	0.0147	0.01468	0.01384	0.01538	2.70E-05	1.29E-06	2.747E-08	1.718E-08	2.84E-05	3.31E-05	1.58E-06	2.71E-08	9.62E-09	3.48E-05	2.92E-05	1.216E-06	2.633E-08	9.935E-09	3.047E-05
5254 495863.09, 3865377.25	0.01438	0.01484	0.0148	0.01392	0.01601	2.70E-05	1.302E-06	2.7629E-08	1.789E-08	2.84E-05	3.31E-05	1.60E-06	2.73E-08	1.00E-08	3.47E-05	2.92E-05	1.227E-06	2.648E-08	1.034E-08	3.046E-05
5255 496363.09, 3865377.25	0.01409	0.01459	0.01454	0.01369	0.01552	2.65E-05	1.28E-06	2.7172E-08	1.734E-08	2.78E-05	3.24E-05	1.57E-06	2.68E-08	9.71E-09	3.41E-05	2.86E-05	1.207E-06	2.604E-08	1.003E-08	2.985E-05
5256 496863.09, 3865377.25	0.01354	0.01402	0.01397	0.01317	0.0145	2.54E-05	1.23E-06	2.614E-08	1.62E-08	2.67E-05	3.12E-05	1.51E-06	2.58E-08	9.07E-09	3.27E-05	2.75E-05	1.159E-06	2.505E-08	9.367E-09	2.869E-05
5257 497363.09, 3865377.25	0.01303	0.01339	0.01334	0.01256	0.01375	2.45E-05	1.175E-06	2.4929E-08	1.536E-08	2.57E-05	3.00E-05	1.44E-06	2.46E-08	8.60E-09	3.15E-05	2.65E-05	1.107E-06	2.389E-08	8.882E-09	2.76E-05
5258 497863.09, 3865377.25	0.01268	0.01302	0.01297	0.01215	0.01349	2.38E-05	1.142E-06	2.4116E-08	1.507E-08	2.50E-05	2.92E-05	1.40E-06	2.38E-08	8.44E-09	3.06E-05	2.57E-05	1.077E-06	2.311E-08	8.714E-09	2.685E-05
5259 498363.09, 3865377.25	0.01255	0.01293	0.01288	0.01202	0.01348	2.36E-05	1.134E-06	2.3857E-08	1.506E-08	2.48E-05	2.89E-05	1.39E-06	2.35E-08	8.43E-09	3.03E-05	2.55E-05	1.069E-06	2.287E-08	8.708E-09	2.658E-05
5260 471363.09, 3865877.25	0.00701	0.00729	0.0068	0.00677	0.007	1.32E-05	6.395E-07	1.3437E-08	7.821E-09	1.38E-05	1.61E-05	7.84E-07	1.33E-08	4.38E-09	1.69E-05	1.42E-05	6.029E-07	1.288E-08	4.522E-09	1.485E-05
5261 471863.09, 3865877.25	0.00716	0.00712	0.00686	0.0069	0.0071	1.35E-05	6.246E-07	1.3695E-08	7.933E-09	1.41E-05	1.65E-05	7.65E-07	1.35E-08	4.44E-09	1.73E-05	1.45E-05	5.888E-07	1.313E-08	4.586E-09	1.514E-05
5262 472363.09, 3865877.25	0.00735	0.00693	0.00695	0.00708	0.00719	1.38E-05	6.079E-07	1.4052E-08	8.033E-09	1.44E-05	1.69E-05	7.45E-07	1.39E-08	4.50E-09	1.77E-05	1.49E-05	5.731E-07	1.347E-08	4.645E-09	1.551E-05
5263 472863.09, 3865877.25	0.00747	0.00673	0.00696	0.0072	0.00727	1.40E-05	5.904E-07	1.4291E-08	8.123E-09	1.47E-05	1.72E-05	7.23E-07	1.41E-08	4.55E-09	1.79E-05	1.52E-05	5.566E-07	1.37E-08	4.696E-09	1.574E-05
5264 473363.09, 3865877.25	0.00764	0.00673	0.00703	0.00736	0.00732	1.44E-05	5.904E-07	1.4608E-08	8.179E-09	1.50E-05	1.76E-05	7.23E-07	1.44E-08	4.58E-09	1.83E-05	1.55E-05	5.566E-07	1.4E-08	4.728E-09	1.609E-05
5265 473863.09, 3865877.25	0.00785	0.00697	0.00718	0.00757	0.00739	1.48E-05	6.115E-07	1.5025E-08	8.257E-09	1.54E-05	1.81E-05	7.49E-07	1.48E-08	4.62E-09	1.88E-05	1.59E-05	5.764E-07	1.44E-08	4.774E-09	1.653E-05
5266 474363.09, 3865877.25	0.00808	0.0074	0.0074	0.00779	0.00749	1.52E-05	6.492E-07	1.5462E-08	8.369E-09	1.59E-05	1.86E-05	7.96E-07	1.53E-08	4.68E-09	1.94E-05	1.64E-05	6.12E-07	1.482E-08	4.838E-09	1.704E-05
5267 474863.09, 3865877.25	0.00836	0.00794	0.0077	0.00808	0.00769	1.57E-05	6.966E-07	1.6037E-08	8.592E-09	1.64E-05	1.93E-05	8.54E-07	1.58E-08	4.81E-09	2.01E-05	1.70E-05	6.566E-07	1.537E-08	4.967E-09	1.765E-05
5268 475363.09, 3865877.25	0.00864	0.00835	0.00801	0.00837	0.00797	1.62E-05	7.325E-07	1.6613E-08	8.905E-09	1.70E-05	1.99E-05	8.98E-07	1.64E-08	4.98E-09	2.08E-05	1.75E-05	6.905E-07	1.592E-08	5.148E-09	1.825E-05
5269 475863.09, 3865877.25	0.00895	0.0086	0.00834	0.00872	0.00834	1.68E-05	7.545E-07	1.7308E-08	9.318E-09	1.76E-05	2.06E-05	9.25E-07	1.71E-08	5.22E-09	2.16E-05	1.82E-05	7.112E-07	1.659E-08	5.387E-09	1.891E-05
5270 476363.09, 3865877.25	0.00942	0.00893	0.00884	0.00924	0.00867	1.77E-05	7.834E-07	1.834E-08	9.687E-09	1.85E-05	2.17E-05	9.60E-07	1.81E-08	5.42E-09	2.27E-05	1.91E-05	7.385E-07	1.758E-08	5.601E-09	1.989E-05
5271 476863.09, 3865877.25	0.00972	0.00915	0.00919	0.00957	0.00871	1.83E-05	8.027E-07	1.8995E-08	9.732E-09	1.91E-05	2.24E-05	9.84E-07	1.87E-08	5.45E-09	2.34E-05	1.97E-05	7.567E-07	1.82E-08	5.626E-09	2.052E-05
5272 477363.09, 3865877.25	0.01009	0.00945	0.00944	0.00988	0.00938	1.90E-05	8.29E-07	1.961E-08	1.048E-08	1.98E-05	2.32E-05	1.02E-06	1.94E-08	5.87E-09	2.43E-05	2.05E-05	7.815E-07	1.879E-08	6.059E-09	2.129E-05
5273 477863.09, 3865877.25	0.0103	0.00956	0.00964	0.01014	0.00973	1.94E-05	8.387E-07	2.0126E-08	1.087E-08	2.02E-05	2.37E-05	1.03E-06	1.99E-08	6.09E-09	2.48E-05	2.09E-05	7.906E-07	1.929E-08	6.285E-09	2.173E-05
5274 478363.09, 3865877.25	0.01061	0.0098	0.00999	0.01054	0.01011	1.99E-05	8.597E-07	2.092E-08	1.13E-08	2.08E-05	2.44E-05	1.05E-06	2.06E-08	6.32E-09	2.55E-05	2.15E-05	8.104E-07	2.005E-08	6.531E-09	2.238E-05
5275 478863.09, 3865877.25	0.01093	0.01012	0.01036	0.01094	0.01054	2.05E-05	8.878E-07	2.1714E-08	1.178E-08	2.15E-05	2.52E-05	1.09E-06	2.14E-08	6.59E-09	2.63E-05	2.22E-05	8.369E-07	2.081E-08	6.809E-09	2.306E-05
5276 479363.09, 3865877.25	0.01124	0.01042	0.01072	0.01131	0.01103	2.11E-05	9.141E-07	2.2448E-08	1.232E-08	2.21E-05	2.59E-05	1.12E-06	2.22E-08	6.90E-09	2.70E-05	2.28E-05	8.617E-07	2.151E-08	7.125E-09	2.371E-05

5277 479863.09, 3865877.25	0.01149	0.01052	0.01097	0.01154	0.01153
5278 480363.09, 3865877.25	0.01171	0.01055	0.01113	0.01165	0.01194
5279 480863.09, 3865877.25	0.01194	0.01083	0.01129	0.01178	0.01218
5280 481363.09, 3865877.25	0.01217	0.01148	0.01149	0.01196	0.01231
5281 481863.09, 3865877.25	0.01241	0.01207	0.01173	0.01217	0.01252
5282 482363.09, 3865877.25	0.01259	0.01219	0.01189	0.0123	0.01286
5283 482863.09, 3865877.25	0.01271	0.01222	0.01194	0.01231	0.01313
5284 483363.09, 3865877.25	0.01281	0.01194	0.01192	0.01239	0.01317
5285 483863.09, 3865877.25	0.01291	0.01136	0.01186	0.01261	0.01315
5286 484363.09, 3865877.25	0.01299	0.0114	0.01183	0.01277	0.0131
5287 484863.09, 3865877.25	0.01292	0.01176	0.01173	0.01261	0.01307
5288 485363.09, 3865877.25	0.01277	0.01157	0.01152	0.01233	0.01304
5289 485863.09, 3865877.25	0.01262	0.0112	0.01116	0.01207	0.01272
5290 486363.09, 3865877.25	0.01251	0.01143	0.0109	0.01181	0.01223
5291 486863.09, 3865877.25	0.01243	0.01166	0.01082	0.01162	0.01195
5292 487363.09, 3865877.25	0.01235	0.01132	0.01082	0.01164	0.01186
5293 487863.09, 3865877.25	0.01241	0.01075	0.01094	0.0119	0.01191
5294 488363.09, 3865877.25	0.01243	0.01067	0.01112	0.01207	0.01206
5295 488863.09, 3865877.25	0.01249	0.01105	0.01139	0.01216	0.01239
5296 489363.09, 3865877.25	0.01249	0.01158	0.01153	0.01206	0.01262
5297 489863.09, 3865877.25	0.01241	0.01177	0.01145	0.01179	0.01256
5298 490363.09, 3865877.25	0.01248	0.01191	0.01152	0.01179	0.01225
5299 490863.09, 3865877.25	0.01253	0.01199	0.01179	0.01197	0.01181
5300 491363.09, 3865877.25	0.01247	0.01178	0.01214	0.01226	0.01168
5301 491863.09, 3865877.25	0.01257	0.01211	0.01238	0.01243	0.01198
5302 492363.09, 3865877.25	0.01245	0.01263	0.01234	0.01216	0.01138
5303 492863.09, 3865877.25	0.01048	0.0108	0.01074	0.0106	0.00768
5304 493363.09, 3865877.25	0.01066	0.01063	0.01098	0.01103	0.00776
5305 493863.09, 3865877.25	0.01188	0.0119	0.01226	0.01221	0.0099
5306 494363.09, 3865877.25	0.01241	0.01248	0.01248	0.01229	0.01172
5307 494863.09, 3865877.25	0.01262	0.01278	0.01272	0.01212	0.01202
5308 495363.09, 3865877.25	0.01276	0.01301	0.01298	0.0123	0.01243
5309 495863.09, 3865877.25	0.01317	0.01342	0.01342	0.01271	0.01396
5310 496363.09, 3865877.25	0.01332	0.01372	0.0136	0.01294	0.0142
5311 496863.09, 3865877.25	0.01309	0.01351	0.01347	0.01286	0.01366
5312 497363.09, 3865877.25	0.01249	0.01292	0.0129	0.01221	0.01325
5313 497863.09, 3865877.25	0.01201	0.01239	0.01236	0.01166	0.01243
5314 498363.09, 3865877.25	0.01166	0.01189	0.01201	0.01128	0.01164
5315 471363.09, 3866377.25	0.00666	0.0064	0.00631	0.00642	0.00655
5316 471863.09, 3866377.25	0.00682	0.00624	0.00638	0.00659	0.0066
5317 472363.09, 3866377.25	0.00697	0.00616	0.00644	0.00675	0.00666
5318 472863.09, 3866377.25	0.00709	0.0062	0.00649	0.00686	0.00671
5319 473363.09, 3866377.25	0.00728	0.00648	0.00665	0.00705	0.00679
5320 473863.09, 3866377.25	0.00747	0.00689	0.00684	0.00723	0.00692
5321 474363.09, 3866377.25	0.0077	0.00735	0.0071	0.00745	0.0071
5322 474863.09, 3866377.25	0.00797	0.00774	0.0074	0.00773	0.00736
5323 475363.09, 3866377.25	0.00822	0.00794	0.00767	0.00801	0.00768
5324 475863.09, 3866377.25	0.00848	0.00803	0.00792	0.00829	0.00802
5325 476363.09, 3866377.25	0.00895	0.00835	0.00836	0.00877	0.00835
5326 476863.09, 3866377.25	0.0092	0.00855	0.00864	0.00908	0.00807
5327 477363.09, 3866377.25	0.00967	0.00894	0.00904	0.00953	0.00871
5328 477863.09, 3866377.25	0.00984	0.00904	0.00921	0.00975	0.00923
5329 478363.09, 3866377.25	0.01003	0.0093	0.00946	0.01002	0.00957
5330 478863.09, 3866377.25	0.01032	0.00967	0.00981	0.01037	0.01
5331 479363.09, 3866377.25	0.01059	0.00987	0.01012	0.01065	0.01048
5332 479863.09, 3866377.25	0.01084	0.00983	0.01033	0.01084	0.01093
5333 480363.09, 3866377.25	0.01103	0.00981	0.01044	0.01094	0.01122
5334 480863.09, 3866377.25	0.01119	0.01022	0.01053	0.01101	0.0113
5335 481363.09, 3866377.25	0.0114	0.01097	0.01072	0.01116	0.01138
5336 481863.09, 3866377.25	0.01154	0.0113	0.01088	0.01129	0.01159
5337 482363.09, 3866377.25	0.01165	0.01125	0.01096	0.01134	0.01191
5338 482863.09, 3866377.25	0.01175	0.01115	0.01097	0.01136	0.01207
5339 483363.09, 3866377.25	0.01184	0.01072	0.01093	0.01148	0.01204
5340 483863.09, 3866377.25	0.01194	0.01037	0.01089	0.01169	0.01199
5341 484363.09, 3866377.25	0.01196	0.01066	0.01087	0.01177	0.01195
5342 484863.09, 3866377.25	0.01194	0.01093	0.01085	0.01167	0.01203
5343 485363.09, 3866377.25	0.01176	0.0105	0.01058	0.01139	0.01198
5344 485863.09, 3866377.25	0.0116	0.01021	0.01021	0.01113	0.0116
5345 486363.09, 3866377.25	0.01152	0.01046	0.00999	0.01089	0.01115
5346 486863.09, 3866377.25	0.01146	0.01067	0.00993	0.01074	0.01093
5347 487363.09, 3866377.25	0.01165	0.01067	0.01016	0.01099	0.01092
5348 487863.09, 3866377.25	0.01182	0.0103	0.01039	0.01135	0.01095
5349 488363.09, 3866377.25	0.01183	0.01016	0.01056	0.01152	0.01111
5350 488863.09, 3866377.25	0.01193	0.01051	0.01093	0.01173	0.01136
5351 489363.09, 3866377.25	0.01189	0.01096	0.01107	0.01165	0.01152
5352 489863.09, 3866377.25	0.01176	0.0112	0.01102	0.0114	0.01121
5353 490363.09, 3866377.25	0.01154	0.01092	0.01061	0.01095	0.01132
5354 490863.09, 3866377.25	0.0114	0.01083	0.01053	0.0108	0.01106
5355 491363.09, 3866377.25	0.01149	0.01088	0.01086	0.01105	0.01108
5356 491863.09, 3866377.25	0.01135	0.01057	0.01119	0.01143	0.01029

2.16E-05	9.229E-07	2.2905E-08	1.288E-08	2.26E-05
2.20E-05	9.255E-07	2.3123E-08	1.334E-08	2.30E-05
2.24E-05	9.501E-07	2.3381E-08	1.361E-08	2.34E-05
2.29E-05	1.007E-06	2.3738E-08	1.375E-08	2.39E-05
2.33E-05	1.059E-06	2.4155E-08	1.399E-08	2.44E-05
2.37E-05	1.069E-06	2.4413E-08	1.437E-08	2.48E-05
2.39E-05	1.072E-06	2.4433E-08	1.467E-08	2.50E-05
2.41E-05	1.047E-06	2.4592E-08	1.472E-08	2.52E-05
2.43E-05	9.966E-07	2.5029E-08	1.469E-08	2.53E-05
2.44E-05	1E-06	2.5346E-08	1.464E-08	2.55E-05
2.43E-05	1.032E-06	2.5029E-08	1.46E-08	2.54E-05
2.40E-05	1.015E-06	2.4473E-08	1.457E-08	2.51E-05
2.37E-05	9.825E-07	2.3957E-08	1.421E-08	2.47E-05
2.35E-05	1.003E-06	2.3441E-08	1.366E-08	2.45E-05
2.34E-05	1.023E-06	2.3064E-08	1.335E-08	2.44E-05
2.32E-05	9.931E-07	2.3103E-08	1.325E-08	2.42E-05
2.33E-05	9.431E-07	2.3619E-08	1.331E-08	2.43E-05
2.34E-05	9.36E-07	2.3957E-08	1.347E-08	2.43E-05
2.35E-05	9.694E-07	2.4135E-08	1.384E-08	2.45E-05
2.35E-05	1.016E-06	2.3937E-08	1.41E-08	2.45E-05
2.33E-05	1.033E-06	2.3401E-08	1.403E-08	2.44E-05
2.35E-05	1.045E-06	2.3401E-08	1.369E-08	2.45E-05
2.35E-05	1.052E-06	2.3758E-08	1.32E-08	2.46E-05
2.34E-05	1.033E-06	2.4334E-08	1.305E-08	2.45E-05
2.36E-05	1.062E-06	2.4671E-08	1.339E-08	2.47E-05
2.34E-05	1.108E-06	2.4135E-08	1.272E-08	2.45E-05
1.97E-05	9.474E-07	2.1039E-08	8.581E-09	2.07E-05
2.00E-05	9.325E-07	2.1893E-08	8.67E-09	2.10E-05
2.23E-05	1.044E-06	2.4235E-08	1.106E-08	2.34E-05
2.33E-05	1.095E-06	2.4393E-08	1.309E-08	2.45E-05
2.37E-05	1.121E-06	2.4056E-08	1.343E-08	2.49E-05
2.40E-05	1.141E-06	2.4413E-08	1.389E-08	2.52E-05
2.47E-05	1.177E-06	2.5227E-08	1.56E-08	2.60E-05
2.50E-05	1.204E-06	2.5684E-08	1.587E-08	2.63E-05
2.46E-05	1.185E-06	2.5525E-08	1.526E-08	2.58E-05
2.35E-05	1.133E-06	2.4235E-08	1.48E-08	2.46E-05
2.26E-05	1.087E-06	2.3143E-08	1.389E-08	2.37E-05
2.19E-05	1.043E-06	2.2389E-08	1.301E-08	2.30E-05
1.25E-05	5.615E-07	1.2743E-08	7.318E-09	1.31E-05
1.28E-05	5.474E-07	1.308E-08	7.374E-09	1.34E-05
1.31E-05	5.404E-07	1.3398E-08	7.441E-09	1.37E-05
1.33E-05	5.439E-07	1.3616E-08	7.497E-09	1.39E-05
1.37E-05	5.685E-07	1.3993E-08	7.587E-09	1.43E-05
1.40E-05	6.044E-07	1.435E-08	7.732E-09	1.47E-05
1.45E-05	6.448E-07	1.4787E-08	7.933E-09	1.51E-05
1.50E-05	6.79E-07	1.5343E-08	8.223E-09	1.57E-05
1.54E-05	6.966E-07	1.5898E-08	8.581E-09	1.62E-05
1.59E-05	7.044E-07	1.6454E-08	8.961E-09	1.67E-05
1.68E-05	7.325E-07	1.7407E-08	9.33E-09	1.76E-05
1.73E-05	7.501E-07	1.8022E-08	9.017E-09	1.81E-05
1.82E-05	7.843E-07	1.8915E-08	9.732E-09	1.90E-05
1.85E-05	7.931E-07	1.9352E-08	1.031E-08	1.93E-05
1.88E-05	8.159E-07	1.9888E-08	1.069E-08	1.97E-05
1.94E-05	8.483E-07	2.0583E-08	1.117E-08	2.03E-05
1.99E-05	8.659E-07	2.1138E-08	1.171E-08	2.08E-05
2.04E-05	8.624E-07	2.1515E-08	1.221E-08	2.13E-05
2.07E-05	8.606E-07	2.1714E-08	1.254E-08	2.16E-05
2.10E-05	8.966E-07	2.1853E-08	1.263E-08	2.20E-05
2.14E-05	9.624E-07	2.2151E-08	1.272E-08	2.24E-05
2.17E-05	9.913E-07	2.2409E-08	1.295E-08	2.27E-05
2.19E-05	9.869E-07	2.2508E-08	1.331E-08	2.29E-05
2.21E-05	9.782E-07	2.2548E-08	1.349E-08	2.31E-05
2.22E-05	9.404E-07	2.2786E-08	1.345E-08	2.32E-05
2.24E-05	9.097E-07	2.3202E-08	1.34E-08	2.34E-05
2.25E-05	9.352E-07	2.3361E-08	1.335E-08	2.34E-05
2.24E-05	9.589E-07	2.3163E-08	1.344E-08	2.34E-05
2.21E-05	9.211E-07	2.2607E-08	1.339E-08	2.31E-05
2.18E-05	8.957E-07	2.2091E-08	1.296E-08	2.27E-05
2.16E-05	9.176E-07	2.1615E-08	1.246E-08	2.26E-05
2.15E-05	9.36E-07	2.1317E-08	1.221E-08	2.25E-05
2.19E-05	9.36E-07	2.1813E-08	1.22E-08	2.29E-05
2.22E-05	9.036E-07	2.2528E-08	1.223E-08	2.32E-05
2.22E-05	8.913E-07	2.2865E-08	1.241E-08	2.32E-05
2.24E-05	9.22E-07	2.3282E-08	1.269E-08	2.34E-05
2.23E-05	9.615E-07	2.3123E-08	1.287E-08	2.33E-05
2.21E-05	9.825E-07	2.2627E-08	1.253E-08	2.31E-05
2.17E-05	9.58E-07	2.1734E-08	1.265E-08	2.27E-05
2.14E-05	9.501E-07	2.1436E-08	1.236E-08	2.24E-05
2.16E-05	9.545E-07	2.1932E-08	1.238E-08	2.26E-05
2.13E-05	9.273E-07	2.2686E-08	1.15E-08	2.23E-05

2.65E-05	1.13E-06	2.26E-08	7.21E-09	2.76E-05
2.70E-05	1.13E-06	2.28E-08	7.47E-09	2.81E-05
2.75E-05	1.16E-06	2.31E-08	7.62E-09	2.87E-05
2.80E-05	1.23E-06	2.34E-08	7.70E-09	2.93E-05
2.86E-05	1.30E-06	2.38E-08	7.83E-09	2.99E-05
2.90E-05	1.31E-06	2.41E-08	8.04E-09	3.03E-05
2.93E-05	1.31E-06	2.41E-08	8.21E-09	3.06E-05
2.95E-05	1.28E-06	2.43E-08	8.24E-09	3.08E-05
2.97E-05	1.22E-06	2.47E-08	8.22E-09	3.10E-05
2.99E-05	1.23E-06	2.50E-08	8.19E-09	3.12E-05
2.98E-05	1.26E-06	2.47E-08	8.17E-09	3.10E-05
2.94E-05	1.24E-06	2.42E-08	8.16E-09	3.07E-05
2.91E-05	1.20E-06	2.36E-08	7.96E-09	3.03E-05
2.88E-05	1.23E-06	2.31E-08	7.65E-09	3.01E-05
2.86E-05	1.25E-06	2.28E-08	7.47E-09	2.99E-05
2.84E-05	1.22E-06	2.28E-08	7.42E-09	2.97E-05
2.86E-05	1.16E-06	2.33E-08	7.45E-09	2.98E-05
2.86E-05	1.15E-06	2.36E-08	7.54E-09	2.98E-05
2.88E-05	1.19E-06	2.38E-08	7.75E-09	3.00E-05
2.88E-05	1.24E-06	2.36E-08	7.89E-09	3.00E-05
2.86E-05	1.27E-06	2.31E-08	7.86E-09	2.99E-05
2.87E-05	1.28E-06	2.31E-08	7.66E-09	3.01E-05
2.89E-05	1.29E-06	2.34E-08	7.39E-09	3.02E-05
2.87E-05	1.27E-06	2.40E-08	7.31E-09	3.00E-05
2.89E-05	1.30E-06	2.43E-08	7.49E-09	3.03E-05
2.87E-05	1.36E-06	2.38E-08	7.12E-09	3.01E-05
2.41E-05	1.16E-06	2.08E-08	4.80E-09	2.53E-05
2.45E-05	1.14E-06	2.16E-08	4.85E-09	2.57E-05
2.74E-05	1.28E-06	2.39E-08	6.19E-09	2.87E-05
2.86E-05	1.34E-06	2.41E-08	7.33E-09	3.00E-05
2.91E-05	1.37E-06	2.37E-08	7.52E-09	3.05E-05
2.94E-05	1.40E-06	2.41E-08	7.77E-09	3.08E-05
3.03E-05	1.44E-06	2.49E-08	8.73E-09	3.18E-05
3.07E-05	1.47E-06	2.53E-08	8.88E-09	3.22E-05
3.01E-05	1.45E-06	2.52E-08	8.54E-09	3.16E-05
2.88E-05	1.39E-06	2.39E-08	8.29E-09	3.02E-05
2.77E-05	1.33E-06	2.28E-08	7.77E-09	2.90E-05
2.69E-05	1.28E-06	2.21E-08	7.28E-09	2.82E-05
1.53E-05	6.88E-07	1.26E-08	4.10E-09	1.60E-05
1.57E-05	6.71E-07	1.29E-08	4.13E-09	1.64E-05
1.61E-05	6.62E-07	1.32E-08	4.17E-09	1.67E-05
1.63E-05	6.67E-07	1.34E-08	4.20E-09	1.70E-05
1.68E-05	6.97E-07	1.38E-08	4.25E-09	1.75E-05
1.72E-05	7.41E-07	1.42E-08	4.33E-09	1.80E-05
1.77E-05	7.90E-07	1.46E-08	4.44E-09	1.85E-05
1.84E-05	8.32E-07	1.51E-08	4.60E-09	1.92E-05
1.89E-05	8.54E-07	1.57E-08	4.80E-09	1.98E-05
1.95E-05	8.63E-07	1.62E-08	5.02E-09	2.04E-05
2.06E-05	8.98E-07	1.72E-08	5.22E-09	2.15E-05
2.12E-05	9.19E-07	1.78E-08	5.05E-09	2.21E-05
2.23E-05	9.61E-07	1.87E-08	5.45E-09	2.33E-05
2.27E-05	9.72E-07	1.91E-08	5.77E-09	2.37E-05
2.31E-05	1.00E-06	1.96E-08	5.99E-09	2.41E-05
2.38E-05	1.04E-06	2.03E-08	6.25E-09	2.48E-05
2.44E-05	1.06E-06	2.09E-08	6.55E-09	2.55E-05
2.50E-05	1.06E-06	2.12E-08	6.84E-09	2.60E-05
2.54E-05	1.05E-06	2.14E-08	7.02E-09	2.65E-05
2.58E-05	1.10E-06	2.16E-08	7.07E-09	2.69E-05
2.63E-05	1.18E-06	2.19E-08	7.12E-09	2.75E-05
2.66E-05	1.21E-06	2.21E-08	7.25E-09	2.78E-05
2.68E-05	1.21E-06	2.22E-08	7.45E-09	2.81E-05
2.71E-05	1.20E-06	2.23E-08	7.55E-09	2.83E-05
2.73E-05	1.15E-06	2.25E-08	7.53E-09	2.84E-05
2.75E-05	1.11E-06	2.29E-08	7.50E-09	2.86E-05
2.75E-05	1.15E-06	2.31E-08	7.47E-09	2.87E-05
2.75E-05	1.17E-06	2.29E-08	7.52E-09	2.87E-05
2.71E-05	1.13E-06	2.23E-08	7.49E-09	2.82E-05
2.67E-05	1.10E-06	2.18E-08	7.26E-09	2.78E-05
2.65E-05	1.12E-06	2.13E-08	6.97E-09	2.77E-05
2.64E-05	1.15E-06	2.10E-08	6.84E-09	2.76E-05
2.68E-05	1.15E-06	2.15E-08	6.83E-09	2.80E-05
2.72E-05	1.11E-06	2.22E-08	6.85E-09	2.84E-05
2.72E-05	1.09E-06	2.26E-08	6.95E-09	2.84E-05
2.75E-05	1.13E-06	2.30E-08	7.11E-09	2.86E-05
2.74E-05	1.18E-06	2.28E-08	7.21E-09	2.86E-05
2.71E-05	1.20E-06	2.23E-08	7.01E-09	2.83E-05
2.66E-05	1.17E-06	2.15E-08	7.08E-09	2.78E-05
2.63E-05	1.16E-06	2.12E-08	6.92E-09	2.74E-05
2.65E-05	1.17E-06	2.16E-08	6.93E-09	2.77E-05
2.61E-05	1.14E-06	2.24E-08	6.44E-09	2.73E-05

2.33E-05	8.7E-07	2.195E-08	7.448E-09	2.423E-05
2.38E-05	8.725E-07	2.216E-08	7.713E-09	2.468E-05
2.42E-05	8.956E-07	2.241E-08	7.868E-09	2.517E-05
2.47E-05	9.494E-07	2.275E-08	7.952E-09	2.569E-05
2.52E-05	9.982E-07	2.315E-08	8.088E-09	2.623E-05
2.56E-05	1.008E-06	2.34E-08	8.307E-09	2.66E-05
2.58E-05	1.011E-06	2.342E-08	8.482E-09	2.685E-05
2.60E-05	9.874E-07	2.357E-08	8.507E-09	2.703E-05
2.62E-05	9.395E-07	2.399E-08	8.494E-09	2.718E-05
2.64E-05	9.428E-07	2.429E-08	8.462E-09	2.735E-05
2.62E-05	9.725E-07	2.399E-08	8.443E-09	2.724E-05
2.59E-05	9.568E-07	2.345E-08	8.423E-09	2.692E-05
2.56E-05	9.262E-07	2.296E-08	8.217E-09	2.658E-05
2.54E-05	9.452E-07	2.247E-08	7.9E-09	2.638E-05
2.52E-05	9.643E-07	2.21E-08	7.719E-09	2.623E-05
2.51E-05	9.361E-07	2.214E-08	7.661E-09	2.604E-05
2.52E-05	8.89E-07	2.264E-08	7.693E-09	2.612E-05
2.52E-05	8.824E-07	2.296E-08	7.79E-09	2.615E-05
2.54E-05	9.138E-07	2.313E-08	8.004E-09	2.63E-05
2.54E-05	9.577E-07	2.294E-08	8.152E-09	2.635E-05
2.52E-05	9.734E-07	2.243E-08	8.113E-09	2.62E-05
2.53E-05	9.849E-07	2.243E-08	7.913E-09	2.635E-05
2.54E-05	9.916E-07	2.277E-08	7.629E-09	2.646E-05
2.53E-05	9.742E-07	2.332E-08	7.545E-09	2.632E-05
2.55E-05	1.001E-06	2.364E-08	7.739E-09	2.655E-05
2.53E-05	1.044E-06	2.313E-08	7.351E-09	2.635E-05
2.13E-05	8.931E-07	2.016E-08	4.961E-09	2.22E-05
2.16E-05	8.791E-07	2.098E-08	5.013E-09	2.255E-05
2.41E-05	9.841E-07	2.323E-08	6.395E-09	2.513E-05
2.52E-05	1.032E-06	2.338E-08	7.571E-09	2.626E-05
2.56E-05	1.057E-06	2.306E-08	7.765E-09	2.671E-05
2.59E-05	1.076E-06	2.34E-08	8.029E-09	2.701E-05
2.67E-05	1.11E-06	2.418E-08	9.018E-09	2.788E-05
2.70E-05	1.135E-06	2.462E-08	9.173E-09	2.821E-05
2.66E-05	1.117E-06	2.446E-08	8.824E-09	2.773E-05
2.54E-05	1.068E-06	2.323E-08	8.559E-09	2.646E-05
2.44E-05	1.025E-06	2.218E-08	8.029E-09	2.544E-05
2.37E-05	9.833E-07	2.146E-08	7.519E-09	2.469E-05
1.35E-05	5.293E-07	1.221E-08	4.231E-09	1.407E-05
1.38E-05	5.16E-07	1.254E-08	4.263E-09	1.438E-05
1.42E-05	5.094E-07	1.284E-08	4.302E-09	1.468E-05
1.44E-05	5.127E-07	1.305E-08	4.334E-09	1.493E-05
1.48E-05	5.359E-07	1.341E-08	4.386E-09	1.533E-05
1.52E-05	5.698E-07	1.375E-08	4.47E-09	1.575E-05
1.56E-05	6.078E-07	1.417E-08	4.586E-09	1.626E-05
1.62E-05	6.401E-07	1.47E-08	4.754E-09	1.684E-05
1.67E-05	6.566E-07	1.524E-08	4.961E-09	1.737E-05
1.72E-05	6.641E-07	1.577E-08	5.181E-09	1.79E-05
1.82E-05	6.905E-07	1.668E-08	5.394E-09	1.888E-05
1.87E-05	7.071E-07	1.727E-08	5.213E-09	1.941E-05
1.96E-05	7.393E-07	1.813E-08	5.626E-09	2.04E-05
2.00E-05	7.476E-07	1.855E-08	5.962E-09	2.075E-05
2.04E-05	7.691E-07	1.906E-08	6.182E-09	2.116E-05
2.10E-05	7.997E-07	1.973E-08	6.46E-09	2.178E-05
2.15E-05	8.162E-07	2.026E-08	6.77E-09	2.234E-05
2.20E-05	8.129E-07	2.062E-08	7.06E-09	2.285E-05
2.24E-05	8.113E-07	2.081E-08	7.248E-09	2.323E-05
2.27E-05	8.452E-07	2.094E-08	7.299E-09	2.359E-05
2.31E-05	9.072E-07	2.123E-08	7.351E-09	2.408E-05
2.34E-05	9.345E-07	2.148E-08	7.487E-09	2.439E-05
2.37E-05	9.304E-07	2.157E-08	7.693E-09	2.461E-05
2.39E-05	9.221E-07	2.161E-08	7.797E-09	2.481E-05
2.40E-05	8.865E-07	2.184E-08	7.777E-09	2.496E-05
2.42E-05	8.576E-07	2.224E-08	7.745E-09	2.513E-05
2.43E-05	8.816E-07	2.239E-08	7.719E-09	2.52E-05
2.42E-05	9.039E-07	2.22E-08	7.771E-09	2.518E-05
2.39E-05	8.683E-07	2.167E-08	7.739E-09	2.477E-05
2.36E-05	8.444E-07	2.117E-08	7.493E-09	2.443E-05
2.34E-05	8.65E-07	2.072E-08	7.203E-09	2.428E-05
2.33E-05	8.824E-07	2.043E-08	7.06E-09	2.418E-05
2.37E-05	8.824E-07	2.091E-08	7.054E-09	2.456E-05
2.40E-05	8.518E-07	2.159E-08	7.073E-09	2.488E-05
2.40E-05	8.402E-07	2.191E-08	7.177E-09	2.489E-05
2.42E-05	8.692E-07	2.231E-08	7.338E-09	2.512E-05
2.41E-05	9.064E-07	2.216E-08	7.442E-09	2.508E-05
2.39E-05	9.262E-07	2.169E-08	7.241E-09	2.483E-05
2.34E-05	9.031E-07	2.083E-08	7.312E-09	2.436E-05
2.31E-05	8.956E-07	2.054E-08	7.144E-09	2.407E-05
2.33E-05	8.998E-07	2.102E-08	7.157E-09	2.426E-05
2.30E-05	8.741E-07	2.174E-08	6.647E-09	2.395E-05

5357	492363.09, 3866377.25	0.01151	0.01122	0.0114	0.01144	0.01066	2.16E-05	9.843E-07	2.2706E-08	1.191E-08	2.26E-05	2.65E-05	1.21E-06	2.24E-08	6.67E-09	2.77E-05	2.34E-05	9.279E-07	2.176E-08	6.886E-09	2.433E-05
5358	492863.09, 3866377.25	0.01082	0.01124	0.01088	0.01068	0.00906	2.03E-05	9.86E-07	2.1198E-08	1.012E-08	2.14E-05	2.49E-05	1.21E-06	2.09E-08	5.67E-09	2.62E-05	2.20E-05	9.295E-07	2.032E-08	5.852E-09	2.292E-05
5359	493363.09, 3866377.25	0.01094	0.01089	0.01088	0.01083	0.00914	2.06E-05	9.553E-07	2.1496E-08	1.021E-08	2.15E-05	2.52E-05	1.17E-06	2.12E-08	5.72E-09	2.64E-05	2.22E-05	9.006E-07	2.06E-08	5.904E-09	2.314E-05
5360	493863.09, 3866377.25	0.01146	0.01127	0.01147	0.01146	0.01027	2.15E-05	9.887E-07	2.2746E-08	1.147E-08	2.26E-05	2.64E-05	1.21E-06	2.24E-08	6.42E-09	2.76E-05	2.33E-05	9.32E-07	2.18E-08	6.634E-09	2.423E-05
5361	494363.09, 3866377.25	0.01183	0.01173	0.01177	0.01163	0.01185	2.22E-05	1.029E-06	2.3083E-08	1.324E-08	2.33E-05	2.72E-05	1.26E-06	2.28E-08	7.41E-09	2.85E-05	2.40E-05	9.701E-07	2.212E-08	7.655E-09	2.502E-05
5362	494863.09, 3866377.25	0.01165	0.01163	0.01156	0.01135	0.01153	2.19E-05	1.02E-06	2.2528E-08	1.288E-08	2.29E-05	2.68E-05	1.25E-06	2.22E-08	7.21E-09	2.81E-05	2.37E-05	9.618E-07	2.159E-08	7.448E-09	2.464E-05
5363	495363.09, 3866377.25	0.01128	0.01127	0.0112	0.01089	0.01031	2.12E-05	9.887E-07	2.1615E-08	1.152E-08	2.22E-05	2.60E-05	1.21E-06	2.13E-08	6.45E-09	2.72E-05	2.29E-05	9.32E-07	2.072E-08	6.66E-09	2.386E-05
5364	495863.09, 3866377.25	0.01149	0.01149	0.01157	0.01122	0.01049	2.16E-05	1.008E-06	2.227E-08	1.172E-08	2.26E-05	2.65E-05	1.24E-06	2.20E-08	6.56E-09	2.77E-05	2.33E-05	9.502E-07	2.134E-08	6.776E-09	2.431E-05
5365	496363.09, 3866377.25	0.01216	0.01234	0.01241	0.01199	0.01202	2.29E-05	1.083E-06	2.3798E-08	1.343E-08	2.40E-05	2.80E-05	1.33E-06	2.35E-08	7.52E-09	2.94E-05	2.47E-05	1.021E-06	2.281E-08	7.765E-09	2.574E-05
5366	496863.09, 3866377.25	0.01227	0.01262	0.01265	0.01216	0.01193	2.31E-05	1.107E-06	2.4135E-08	1.333E-08	2.42E-05	2.83E-05	1.36E-06	2.38E-08	7.46E-09	2.96E-05	2.49E-05	1.044E-06	2.313E-08	7.706E-09	2.599E-05
5367	497363.09, 3866377.25	0.01206	0.0124	0.01242	0.01197	0.01189	2.27E-05	1.088E-06	2.3758E-08	1.328E-08	2.38E-05	2.78E-05	1.33E-06	2.34E-08	7.44E-09	2.91E-05	2.45E-05	1.025E-06	2.277E-08	7.681E-09	2.554E-05
5368	497863.09, 3866377.25	0.01158	0.01186	0.01187	0.01149	0.01184	2.18E-05	1.04E-06	2.2806E-08	1.323E-08	2.28E-05	2.67E-05	1.27E-06	2.25E-08	7.41E-09	2.80E-05	2.35E-05	9.808E-07	2.186E-08	7.648E-09	2.452E-05
5369	498363.09, 3866377.25	0.01055	0.01075	0.01082	0.01058	0.00989	1.98E-05	9.431E-07	2.0999E-08	1.105E-08	2.08E-05	2.43E-05	1.16E-06	2.07E-08	6.19E-09	2.55E-05	2.14E-05	8.89E-07	2.013E-08	6.389E-09	2.234E-05
5370	474494.92, 3848334.16	0.00771	0.00733	0.0071	0.00764	0.00565	1.45E-05	6.43E-07	1.5164E-08	6.313E-09	1.52E-05	1.78E-05	7.88E-07	1.50E-08	3.53E-09	1.86E-05	1.57E-05	6.062E-07	1.453E-08	3.65E-09	1.628E-05
5371	475167.27, 3848920.79	0.0088	0.00839	0.00808	0.00867	0.00634	1.65E-05	7.36E-07	1.7208E-08	7.084E-09	1.73E-05	2.03E-05	9.02E-07	1.70E-08	3.97E-09	2.12E-05	1.79E-05	6.938E-07	1.649E-08	4.095E-09	1.858E-05
5372	475297.89, 3848997.96	0.00896	0.00855	0.00823	0.00883	0.00645	1.68E-05	7.501E-07	1.7526E-08	7.207E-09	1.76E-05	2.06E-05	9.19E-07	1.73E-08	4.03E-09	2.16E-05	1.82E-05	7.071E-07	1.68E-08	4.166E-09	1.892E-05
5373	475439.05, 3849062	0.00894	0.00857	0.00825	0.00882	0.00634	1.68E-05	7.518E-07	1.7506E-08	7.084E-09	1.76E-05	2.06E-05	9.21E-07	1.73E-08	3.97E-09	2.15E-05	1.82E-05	7.087E-07	1.678E-08	4.095E-09	1.888E-05
5374	475486.86, 3849061.09	0.00889	0.00853	0.00821	0.00879	0.00628	1.67E-05	7.483E-07	1.7447E-08	7.017E-09	1.75E-05	2.05E-05	9.17E-07	1.72E-08	3.93E-09	2.14E-05	1.81E-05	7.054E-07	1.672E-08	4.057E-09	1.878E-05
5375	475538.46, 3849075.56	0.00895	0.00857	0.00825	0.00885	0.00634	1.68E-05	7.518E-07	1.7566E-08	7.084E-09	1.76E-05	2.06E-05	9.21E-07	1.73E-08	3.97E-09	2.16E-05	1.82E-05	7.087E-07	1.683E-08	4.095E-09	1.89E-05
5376	475751.79, 3849137.15	0.00933	0.00883	0.00848	0.00921	0.00673	1.75E-05	7.746E-07	1.828E-08	7.52E-09	1.83E-05	2.15E-05	9.49E-07	1.80E-08	4.21E-09	2.25E-05	1.89E-05	7.302E-07	1.752E-08	4.347E-09	1.97E-05
5377	476303.62, 3849223.38	0.00981	0.00906	0.00869	0.00969	0.00713	1.84E-05	7.948E-07	1.9233E-08	7.966E-09	1.93E-05	2.26E-05	9.74E-07	1.90E-08	4.46E-09	2.36E-05	1.99E-05	7.493E-07	1.843E-08	4.606E-09	2.069E-05
5378	476304.51, 3849238.92	0.00986	0.0091	0.00873	0.00973	0.00716	1.85E-05	7.983E-07	1.9312E-08	8E-09	1.94E-05	2.27E-05	9.78E-07	1.91E-08	4.48E-09	2.37E-05	2.00E-05	7.526E-07	1.851E-08	4.625E-09	2.08E-05
5379	476365.04, 3849247.98	0.00991	0.00912	0.00875	0.00978	0.00719	1.86E-05	8.001E-07	1.9411E-08	8.033E-09	1.95E-05	2.28E-05	9.80E-07	1.92E-08	4.50E-09	2.38E-05	2.01E-05	7.542E-07	1.86E-08	4.645E-09	2.09E-05
5380	476444.86, 3849267.13	0.00992	0.00914	0.00876	0.0098	0.00718	1.86E-05	8.018E-07	1.9451E-08	8.022E-09	1.95E-05	2.28E-05	9.83E-07	1.92E-08	4.49E-09	2.39E-05	2.01E-05	7.559E-07	1.864E-08	4.638E-09	2.092E-05
5381	476550.75, 3849300.66	0.01008	0.00922	0.00884	0.00995	0.0073	1.89E-05	8.088E-07	1.9749E-08	8.156E-09	1.98E-05	2.32E-05	9.91E-07	1.95E-08	4.57E-09	2.42E-05	2.05E-05	7.625E-07	1.893E-08	4.716E-09	2.125E-05
5382	476656.71, 3849346.88	0.01022	0.00932	0.00893	0.01011	0.0074	1.92E-05	8.176E-07	2.0066E-08	8.268E-09	2.01E-05	2.35E-05	1.00E-06	1.98E-08	4.63E-09	2.46E-05	2.08E-05	7.708E-07	1.923E-08	4.78E-09	2.155E-05
5383	476873.55, 3849454.53	0.01062	0.00958	0.00916	0.01049	0.00766	2.00E-05	8.404E-07	2.0821E-08	8.559E-09	2.08E-05	2.45E-05	1.03E-06	2.05E-08	4.79E-09	2.55E-05	2.16E-05	7.923E-07	1.995E-08	4.948E-09	2.238E-05
5384	477700, 3849859.7	0.01215	0.01062	0.01016	0.01193	0.00846	2.28E-05	9.317E-07	2.3679E-08	9.452E-09	2.38E-05	2.80E-05	1.14E-06	2.34E-08	5.29E-09	2.91E-05	2.47E-05	8.783E-07	2.269E-08	5.465E-09	2.558E-05
5385	477743.16, 3849856.38	0.01199	0.01057	0.00997	0.01176	0.00832	2.25E-05	9.273E-07	2.3341E-08	9.296E-09	2.35E-05	2.76E-05	1.14E-06	2.30E-08	5.20E-09	2.88E-05	2.43E-05	8.741E-07	2.237E-08	5.374E-09	2.525E-05
5386	478477.35, 3850216.33	0.01304	0.0114	0.01078	0.01251	0.00849	2.45E-05	1E-06	2.483E-08	9.486E-09	2.55E-05	3.00E-05	1.23E-06	2.45E-08	5.31E-09	3.13E-05	2.65E-05	9.428E-07	2.38E-08	5.484E-09	2.745E-05
5387	478485.8, 3850201.6	0.01301	0.01136	0.01073	0.01244	0.00842	2.44E-05	9.966E-07	2.4691E-08	9.408E-09	2.55E-05	3.00E-05	1.22E-06	2.44E-08	5.27E-09	3.12E-05	2.64E-05	9.395E-07	2.366E-08	5.439E-09	2.738E-05
5388	479113.21, 3850501.53	0.01577	0.0137	0.01273	0.01453	0.00947	2.96E-05	1.202E-06	2.8839E-08	1.058E-08	3.09E-05	3.63E-05	1.47E-06	2.85E-08	5.92E-09	3.78E-05	3.20E-05	1.133E-06	2.764E-08	6.117E-09	3.319E-05
5389	479108.11, 3850382.28	0.01569	0.01381	0.01278	0.01432	0.00934	2.95E-05	1.212E-06	2.8423E-08	1.044E-08	3.07E-05	3.61E-05	1.48E-06	2.81E-08	5.84E-09	3.76E-05	3.19E-05	1.142E-06	2.724E-08	6.033E-09	3.303E-05
5390	479689.85, 3850674.28	0.01866	0.01687	0.01552	0.01681	0.0109	3.51E-05	1.48E-06	3.3365E-08	1.218E-08	3.66E-05	4.30E-05	1.81E-06	3.29E-08	6.82E-09	4.48E-05	3.79E-05	1.395E-06	3.198E-08	7.041E-09	3.932E-05
5391	479952.42, 3850774.28	0.02053	0.01891	0.01724	0.01874	0.01243	3.86E-05	1.659E-06	3.7195E-08	1.389E-08	4.03E-05	4.73E-05	2.03E-06	3.67E-08	7.77E-09	4.94E-05	4.17E-05	1.564E-06	3.565E-08	8.029E-09	4.329E-05
5392	479911.32, 3850884.85	0.02022	0.01828	0.01653	0.01812	0.01177	3.80E-05	1.604E-06	3.5965E-08	1.315E-08	3.97E-05	4.66E-05	1.97E-06	3.55E-08	7.36E-09	4.86E-05	4.11E-05	1.512E-06	3.447E-08	7.603E-09	4.261E-05
5393	480500.92, 3851178.12	0.02483	0.02304	0.02072	0.02276	0.0164	4.67E-05	2.021E-06	4.5174E-08	1.832E-08	4.87E-05	5.72E-05	2.48E-06	4.46E-08	1.03E-08	5.97E-05	5.04E-05	1.905E-06	4.33E-08	1.059E-08	5.237E-05
5394	480738.01, 3851289.27	0.02677	0.02496	0.0226	0.02488	0.01876	5.03E-05	2.19E-06	4.9382E-08	2.096E-08	5.26E-05	6.16E-05	2.68E-06	4.87E-08	1.17E-08	6.44E-05	5.44E-05	2.064E-06	4.733E-08	1.212E-08	5.648E-05
5395	481055.42, 3851443.58	0.02932	0.02719	0.02499	0.02774	0.02182	5.51E-05	2.385E-06	5.5059E-08	2.438E-08	5.76E-05	6.75E-05	2.92E-06	5.43E-08	1.36E-08	7.05E-05	5.95E-05	2.249E-06	5.277E-08	1.41E-08	6.185E-05
5396	481110.22, 3851443.15	0.02959	0.02731	0.02529	0.02816	0.02232	5.56E-05	2.396E-06	5.5892E-08	2.494E-08	5.81E-05	6.81E-05	2.94E-06	5.52E-08	1.40E-08	7.11E-05	6.01E-05	2.259E-06	5.357E-08	1.442E-08	6.241E-05
5397	481111.1, 3851417.45	0.02942	0.0271	0.02521	0.0281	0.0223	5.53E-05	2.377E-06	5.5773E-08	2.492E-08	5.77E-05	6.77E-05	2.91E-06	5.50E-08	1.39E-08	7.07E-05	5.97E-05	2.241E-06	5.345E-08	1.441E-08	6.204E-05
5398	482248.44, 3852605.09	0.05018	0.04425	0.03928	0.04396	0.03447	9.43E-05	3.882E-06	8.7252E-08	3.851E-08	9.83E-05	1.16E-04	4.76E-06	8.61E-08	2.16E-08	1.20E-04	1.02E-04	3.659E-06	8.362E-08	2.227E-08	0.0001056
5399	482273.34, 3852632.31	0.051	0.04493	0.03979	0.04452	0.03483	9.58E-05	3.942E-06	8.8364E-08	3.892E-08	9.99E-05	1.17E-04	4.83E-06	8.72E-08	2.18E-08	1.22E-04	1.04E-04	3.716E-06	8.469E-08	2.25E-08	0.0001074
5400	482665.46, 3853038.72	0.0682	0.05706	0.04894	0.05464	0.04165	1.28E-04	5.006E-06	1.0845E-07	4.654E-08	1.33E-04	1.57E-04	6.13E-06	1.07E-07	2.60E-08	1.63E-04	1.38E-04	4.719E-06	1.039E-07	2.69E-08	0.0001433
5401	483077.95, 3853844.31	0.7379	0.11086	0.0758	0.07798	0.04442	1.39E-03	9.725E-06	1.5478E-07	4.963E-08	1.40E-03	1.70E-03	1.19E-05	1.53E-07	2.78E-08	1.71E-03	1.50E-03	9.168E-06	1.483E-07	2.869E-08	0.0015076
5402	483121.38, 3853909.38	0.69636	0.12008	0.08044	0.08213	0.04519	1.31E-03	1.053E-05	1.6301E-07	5.049E-08	1.32E-03	1.60E-03	1.29E-05	1.61E-07	2.83E-08	1.62E-03	1.41E-03	9.93E-06	1.562E-07	2.919E-08	0.001424
5403	483492.64, 3853911.49	0.35023	0.13882	0.09906	0.10569	0.05721	6.58E-04	1.218E-05	2.0978E-07	6.392E-08	6.71E-04	8.07E-04	1.49E-05	2.07E-07	3.58E-08	8.22E-04	7.11E-04	1.148E-05	2.01E-07	3.696E-08	0.0007228
5404	483498.29, 3854204.73	0.48032	0.21312	0.12518	0.1205	0.05358	9.03E-04	1.87E-05	2.3917E-07	5.987E-08	9.22E-04	1.11E-03	2.29E-05	2.36E-07	3.35E-08	1.13E-03	9.75E-04	1.762E-05	2.292E-07	3.461E-08	0.0009931
5405	484132.44, 3854662.55	0.9762	0.58112	0.26933	0.25622	0.05247	1.83E-03	5.098E-05	5.0855E-07	5.863E-08	1.89E-03	2.25E-03	6.25E-05	5.02E-07	3.28E-08	2.31E-03	1.98E-03	4.806E-05	4.874E-07	3.389E-08	0.0020306
5406	484627.62, 3854876.13	3.59205	4.66684	1.30135	1.0024	0.08763	6.75E-03	0.0004094	1.9896E-06	9.791E-08	7.16E-03	8.27E-03	5.02E-04	1.96E-06	5.48E-08	8.78E-03	7.29E-03	0.0003859	1.907E-06	5.661E-08	0.0076811
5407	484756.14, 3854949.04	3.34914	6.39852	1.70271	2.62996	0.10774	6.29E-03	0.0005613	5.22E-06	1.204E-07	6.86E-03	7.71E-03	6.88E-04	5.15E-06	6.74E-08	8.41E-03	6.80E-03	0.0005291	5.003E-06	6.96E-08	0.0073342
5408	486697.51, 3856599.17	3.48053	0.37192	3.128	4.47272	1.75495	6.54E-03	3.263E-05	8.8775E-06	1.961E-06	6.58E-03	8.02E-03	4.00E-05	8.76E-06	1.10E-06	8.06E-03	7.07E-03	3.076E-05	8.508E-06	1.134E-06	0.0071072
5409	487105.31, 3856962.27	3.25183	1.0763	3.00653	4.42864	2.03933	6.11E-03	9.442E-05	8.79E-06	2.279E-06	6.22E-03	7.49E-03	1.16E-04	8.68E-06	1.28E-06	7.61E-03	6.60E-03	8.901E-05	8.424E-06	1.317E-06	0.0067012
5410	487157.57, 3856901.7	2.47771	0.75267	2.4538	3.33924	1.68178	4.66E-03	6.603E-05	6.6278E-06	1.879E-06	4.73E-03	5.71E-03	8.09E-05	6.54E-06	1.05E-06	5.79E-03	5.03E-03	6.224E-05	6.352E-06	1.086E-06	0.0051004
5411	487173.5, 3856853.74	2.19387	0.61079	2.23536	2.96334	1.53404	4.12E-03	5.358E-05	5.8817E-06	1.714E-06	4.18E-03	5.05E-03	6.57E-05	5.80E-06	9.59E-07	5.12E-03	4.45E-03	5.051E-05	5.637E-06	9.909E-07	0.0045115
5412	487564.41, 3856860.83	1.29026	0.83792	1.48434	1.80957	1.1784	2.42E-03	7.351E-05	3.5917E-06	1.317E-06	2.50E-03	2.97E-03	9.01E-05	3.54E-06	7.37E-07	3.07E-03	2.62E-03	6.929E-05	3.442E-06	7.612E-07	0.0026932
5413	487563.31, 3856931.58	1.30769	1.26508	1.57227	1.89563	1.27413	2.46E-03	0.000111	3.7625E-06	1.424E-06	2.57E-03	3.01E-03	1.36E-04	3.71E-06	7.97E-07	3.15E-03	2.66E-03	0.0001046	3.606E-06	8.23E-07	0.0027642
5414	487782.7, 3856926.85	1.05705	1.31662	1.30502	1.48834	1.13417	1.99E-03	0.0001155	2.9541E-06	1.267E-06	2.11E-03	2.43E-03	1.42E-04	2.92E-06	7.09E-07	2.58E-03	2.15E-03	0.0001089	2.831E-06	7.326E-07	0.0022587
5415	487782.39, 3856757.07	1.02069	0.6248	1.17205	1.39163	0.96842	1.92E-03	5.481E-05	2.7621E-06	1.082E-06	1.98E-03	2.35E-03	6.72E-05	2.73E-06	6.06E-07	2.42E-03	2.07E-03	5.167E-05	2.647E-06	6.256E-07	0.0021273
5416	487917.26, 3856752.41	0.92121	0.66227	1.0711	1.24858	0.92512	1.73E-03	5.81E-05	2.4782E-06	1.034E-06	1.79E-03	2.12E-03	7.12E-05	2.45E-06	5.79E-07	2.20E-03	1.87E-03	5.477E-05	2.375E-06	5.976E-07	0.0019281
5417	487919.57, 3856953.35	0.94768	1.45857	1.20029	1.30934	1.0975	1.78E-03	0.000128	2.5988E-06	1.226E-06	1.91E-03	2.18E-03	1.57E-04	2.56E-06	6.86E-07	2.34E-03	1.92E-03	0.0001206	2.491E-06	7.09E-07	0.002048
5418	487932.76, 3857000.32	0.94101	1.75478	1.22763	1.29511	1.12577	1.77E-03	0.0001539	2.5706E-06	1.258E-06	1.93E-03	2.17E-03	1.89E-04	2.54E-06	7.04E-07	2.36E-03	1.91E-03	0.0001451	2.464E-06	7.272E-07	0.0020589
5419	487960.5, 3857044.75	0.92398	2.03605	1.23903	1.25538	1.14931	1.74E-03	0.0001786	2.4917E-06	1.284E-06	1.92E-03	2.13E-03	2.19E-04	2.46E-06	7.19E-07	2.35E-03	1.88E-03	0.0001684	2.388E-06	7.424E-07	0.0020475
5420	488016.54, 3857089.54	0.89153	2.24817	1.2252	1.17996	1.15749	1.68E-03	0.0001972	2.342E-06	1.293E-06	1.88E-03	2.05E-03	2.42E-04	2.31E-06	7.24E-07	2.30E-03	1.81E-03	0.0001859	2.245E-06	7.477E-07	0.0019991
5421	488114.39, 3857165.47	0.84227	2.42307	1.19382	1.05404	1.17922	1.58E-03	0.0002126	2.0921E-06	1.318E-06	1.80E-03	1.94E-03	2.60E-04	2.06E-06	7.38E-07	2.20E-03	1.71E-03	0.0002004	2.005E-06	7.617E-07	0.0019133
5422	488171.49, 3857234.24	0.8199	2.47928	1.18638	0.97541	1.22466	1.54E-03	0.0002175	1.936E-06	1.368E-06	1.76E-03	1.89E-03	2.67E-04	1.91E-06	7.66E-07	2.16E-03	1.66E-03	0.000205	1.855E-06	7.911E-07	0.0018724
5423	488193.16, 3857297.8	0.81742	2.49614	1.20123	0.92933	1.29566	1.54E-03	0.000219	1.8445E-06	1.448E-06	1.76E-03	1.88E-03	2.68E-04	1.82E-06	8.10E-07	2.15E-03	1.66E-03	0.0002064	1.768E-06	8.37E-07	0.0018687
5424	488189.27, 3857649.94	0.94092	1.53782	1.38374	0.72251	1.93104	1.77E-03	0.0001349	1.434E-06	2.158E-06	1.91E-03	2.17E-03	1.65E-04	1.42E-06	1.21E-06	2.33E-03	1.91E-03	0.0001272	1.374E-06	1.247E-06	0.0020402
5425	488127.43, 3857732.32	1.03795	1.28437	1.44787	0.62102	2.29934	1.95E-03	0.0001127	1.2326E-06	2.569E-06	2.07E-03	2.39E-03	1.38E-04	1.22E-06	1.44E-06	2.53E-03	2.11E-03	0.0001062	1.181E-06	1.485E-06	0.0022163
5426	488149.93, 3857752.94	1.00212	1.19483	1.35102	0.5665	2.29419	1.88E-03	0.0001048	1.1244E-06	2.563E-06	1.99E-03	2.31E-03	1.28E-04	1.11E-06	1.43E-06	2.44E-03	2.03E-03	9.881E-05	1.078E-06	1.482E-06	0.0021361
5427	488144.76, 3857758.71	1.00827	1.17864	1.35016	0.55777	2.32483	1.89E-03	0.0001034	1.1071E-06	2.598E-06	2.00E-03	2.32E-03	1.27E-04	1.09E-06	1.45E-06	2.45E-03	2.05E-03	9.747E-05	1.061E-06	1.502E-06	0.0021472
5428	488335.58, 3857932.55	0.71598	0.67953	0.69785	0.3206	2.28375	1.35E-03	5.961E-05	6.3633E-07	2.552E-06	1.41E-03	1.65E-03	7.31E-05	6.28E-07	1.43E-06	1.72E-03	1.45E-03	5.62E-05	6.099E-07	1.475E-06	0.001512
5429	488372.29, 3857943.79	0.68932	0.65613	0.66074	0.31212	2.13151	1.30E-03	5.756E-05	6.195E-07	2.382E-06	1.36E-03	1.59E-03	7.05E-05	6.11E-07	1.33E-06	1.66E-03	1.40E-03	5.426E-05	5.937E-07	1.377E-06	0.0014558
5430	488828.64, 3857936.4	0.50916	0.58388	0.51852	0.29938	1.1096	9.57E-04	5.122E-05	5.9421E-07	1.24E-06	1.01E-03	1.17E-03	6.28E-05	5.86E-07	6.94E-07	1.24E-03	1.03E-03	4.829E-05	5.695E-07	7.168E-07	0.0010834
5431	488829.08, 3857959.58	0.50537	0.56181	0.50059	0.28957	1.08611	9.50E-04	4.929E-05	5.7474E-07	1.214E-06	1.00E-03	1.16E-03	6.04E-05	5.67E-07	6.79E-07	1.23E-03	1.03E-03	4.646E-05	5.508E-07	7.016E-07	0.0010738
5432	488351.61, 3857964.55	0.69428	0.62547	0.63355	0.29851	2.21534	1.30E-03	5.487E-05	5.9249E-07	2.475E-06	1.36E-03	1.60E-03	6.72E-05	5.85E-07	1.39E-06	1.67E-03	1.41E-03	5.173E-05	5.678E-07	1.431E-06	0.0014634
5433	488316.87, 3857947.65	0.72169	0.65601	0.67819	0.30998	2.38827	1.36E-03	5.755E-05	6.1525E-07	2.668E-06	1.42E-03	1.66E-03	7.05E-05	6.07E-07	1.49E-06	1.73E-03	1.47E-03	5.425E-05	5.897E-07	1.543E-06	0.0015217
5434	488129.1, 3857775.77	1.02533	1.12879	1.34212	0.53018	2.43325	1.93E-03	9.903E-05	1.0523E-06	2.719E-06	2.03E-03	2.36E-03	1.21E-04	1.04E-06	1.52E-06	2.49E-03	2.08E-03	9.335E-05	1.009E-06	1.572E-06	0.0021777
5435	488062.53, 3857846.13	1.06924	0.91883	1.21927	0.41369	3.18505	2.01E-03	8.061E-05	8.211E-07	3.559E-06	2.09E-03	2.46E-03	9.88E-05	8.10E-07	1.99E-06	2.56E-03	2.17E-03	7.599E-05	7.869E-07	2.057E-06	0.0022498
5436	488330.41, 3858091.34	0.69074	0.4655	0.4541	0.23958	1.66751	1.30E-03	4.084E-05	4.7552E-07	1.863E-06	1.34E-03	1.59E-03	5.00E-05	4.69E-07	1.04E-06	1.64E-03	1.40E-03	3.85E-05	4.557E-07	1.077E-06	0.0014425

5437 488470.87, 3858174.45	0.63442	0.38921	0.36339	0.20983	1.01654	1.19E-03	3.414E-05	4.1647E-07	1.136E-06	1.23E-03	1.46E-03	4.18E-05	4.11E-07	6.36E-07	1.50E-03	1.29E-03	3.219E-05	3.991E-07	6.567E-07	0.0013214
5438 488568.9, 3858262.31	0.62717	0.32483	0.29783	0.18492	0.71532	1.18E-03	2.85E-05	3.6703E-07	7.992E-07	1.21E-03	1.44E-03	3.49E-05	3.62E-07	4.47E-07	1.48E-03	1.27E-03	2.686E-05	3.518E-07	4.621E-07	0.0013011
5439 488964.27, 3858025.71	0.46337	0.48577	0.42925	0.25989	0.88322	8.71E-04	4.262E-05	5.1583E-07	9.868E-07	9.15E-04	1.07E-03	5.22E-05	5.09E-07	5.52E-07	1.12E-03	9.41E-04	4.017E-05	4.944E-07	5.705E-07	0.0009821
5440 489147.25, 3857956.64	0.43462	0.51546	0.444	0.27826	0.81066	8.17E-04	4.522E-05	5.5229E-07	9.058E-07	8.63E-04	1.00E-03	5.54E-05	5.45E-07	5.07E-07	1.06E-03	8.82E-04	4.263E-05	5.293E-07	5.237E-07	0.0009261
5441 489343.52, 3857932.45	0.40383	0.50464	0.42682	0.2773	0.71037	7.59E-04	4.427E-05	5.5039E-07	7.937E-07	8.04E-04	9.30E-04	5.42E-05	5.43E-07	4.44E-07	9.85E-04	8.20E-04	4.173E-05	5.275E-07	4.589E-07	0.0008626
5442 489866.19, 3857923.19	0.33427	0.4315	0.36115	0.25203	0.51741	6.28E-04	3.785E-05	5.0023E-07	5.781E-07	6.67E-04	7.70E-04	4.64E-05	4.94E-07	3.24E-07	8.17E-04	6.79E-04	3.568E-05	4.794E-07	3.342E-07	0.0007152
5443 489955.65, 3857902.27	0.32599	0.42719	0.35725	0.25187	0.49704	6.13E-04	3.748E-05	4.9992E-07	5.553E-07	6.51E-04	7.51E-04	4.59E-05	4.93E-07	3.11E-07	7.97E-04	6.62E-04	3.533E-05	4.791E-07	3.211E-07	0.000698
5444 490079.44, 3857847.9	0.31731	0.4237	0.35401	0.25454	0.48398	5.96E-04	3.717E-05	5.0521E-07	5.408E-07	6.35E-04	7.31E-04	4.55E-05	4.99E-07	3.03E-07	7.77E-04	6.44E-04	3.504E-05	4.842E-07	3.126E-07	0.0006801
5445 490108.49, 3857934.13	0.30793	0.39373	0.33136	0.23713	0.45578	5.79E-04	3.454E-05	4.7066E-07	5.092E-07	6.14E-04	7.09E-04	4.23E-05	4.65E-07	2.85E-07	7.52E-04	6.25E-04	3.256E-05	4.511E-07	2.944E-07	0.0006585
5446 489884.48, 3858014.17	0.32499	0.39258	0.33345	0.23248	0.48413	6.11E-04	3.444E-05	4.6143E-07	5.409E-07	6.46E-04	7.48E-04	4.22E-05	4.55E-07	3.03E-07	7.91E-04	6.60E-04	3.247E-05	4.422E-07	3.127E-07	0.0006931
5447 489326.56, 3858025.86	0.39642	0.44694	0.3863	0.25083	0.66524	7.45E-04	3.921E-05	4.9785E-07	7.433E-07	7.85E-04	9.13E-04	4.80E-05	4.91E-07	4.16E-07	9.62E-04	8.05E-04	3.696E-05	4.771E-07	4.297E-07	0.0008428
5448 489130.38, 3858056.71	0.42669	0.44942	0.39373	0.24773	0.73814	8.02E-04	3.943E-05	4.917E-07	8.247E-07	8.43E-04	9.83E-04	4.83E-05	4.85E-07	4.62E-07	1.03E-03	8.66E-04	3.717E-05	4.712E-07	4.768E-07	0.0009045
5449 488936.49, 3858143.93	0.46242	0.40659	0.35961	0.22194	0.75647	8.69E-04	3.567E-05	4.4051E-07	8.452E-07	9.06E-04	1.06E-03	4.37E-05	4.35E-07	4.73E-07	1.11E-03	9.39E-04	3.362E-05	4.222E-07	4.887E-07	0.0009734
5450 488638.08, 3858327.45	0.62169	0.29149	0.2648	0.17182	0.57253	1.17E-03	2.557E-05	3.4103E-07	6.397E-07	1.19E-03	1.43E-03	3.13E-05	3.37E-07	3.58E-07	1.46E-03	1.26E-03	2.411E-05	3.268E-07	3.698E-07	0.0012871
5451 488663.79, 3858349.57	0.6189	0.28193	0.25546	0.16794	0.5348	1.16E-03	2.473E-05	3.3333E-07	5.975E-07	1.19E-03	1.43E-03	3.03E-05	3.29E-07	3.34E-07	1.46E-03	1.26E-03	2.332E-05	3.195E-07	3.455E-07	0.0012806
5452 488694.56, 3858349.5	0.59821	0.28295	0.2559	0.16756	0.5317	1.12E-03	2.482E-05	3.3258E-07	5.941E-07	1.15E-03	1.38E-03	3.04E-05	3.28E-07	3.33E-07	1.41E-03	1.21E-03	2.34E-05	3.187E-07	3.435E-07	0.0012387
5453 488694.35, 3858336.75	0.59083	0.28905	0.26147	0.16969	0.55046	1.11E-03	2.536E-05	3.368E-07	6.15E-07	1.14E-03	1.36E-03	3.11E-05	3.32E-07	3.44E-07	1.39E-03	1.20E-03	2.39E-05	3.228E-07	3.556E-07	0.0012242
5454 488712.81, 3858336.38	0.57964	0.28995	0.26191	0.16963	0.54861	1.09E-03	2.544E-05	3.3668E-07	6.13E-07	1.12E-03	1.33E-03	3.12E-05	3.32E-07	3.43E-07	1.37E-03	1.18E-03	2.398E-05	3.227E-07	3.544E-07	0.0012015
5455 488713.23, 3858367.46	0.59738	0.27523	0.24859	0.16444	0.50521	1.12E-03	2.415E-05	3.2638E-07	5.645E-07	1.15E-03	1.38E-03	2.96E-05	3.22E-07	3.16E-07	1.41E-03	1.21E-03	2.276E-05	3.128E-07	3.263E-07	0.0012363
5456 488704.63, 3858384.05	0.61465	0.26762	0.24178	0.16197	0.48457	1.16E-03	2.348E-05	3.2148E-07	5.414E-07	1.18E-03	1.42E-03	2.88E-05	3.17E-07	3.03E-07	1.44E-03	1.25E-03	2.213E-05	3.081E-07	3.13E-07	0.0012707
5457 488604.15, 3858488.29	0.87722	0.23111	0.20765	0.15018	0.38184	1.65E-03	2.027E-05	2.9808E-07	4.266E-07	1.67E-03	2.02E-03	2.48E-05	2.94E-07	2.39E-07	2.05E-03	1.78E-03	1.911E-05	2.857E-07	2.467E-07	0.0018007
5458 488605.66, 3858550.47	1.07485	0.21469	0.19243	0.14281	0.33792	2.02E-03	1.883E-05	2.8345E-07	3.776E-07	2.04E-03	2.48E-03	2.31E-05	2.80E-07	2.11E-07	2.50E-03	2.18E-03	1.775E-05	2.717E-07	2.183E-07	0.0022006
5459 488692.68, 3858548.71	0.85144	0.21379	0.19191	0.14169	0.33563	1.60E-03	1.876E-05	2.8123E-07	3.75E-07	1.62E-03	1.96E-03	2.30E-05	2.78E-07	2.10E-07	1.98E-03	1.73E-03	1.768E-05	2.695E-07	2.168E-07	0.0017469
5460 488759.93, 3858461.81	0.63555	0.23928	0.21548	0.15064	0.39941	1.19E-03	2.099E-05	2.9899E-07	4.463E-07	1.22E-03	1.46E-03	2.57E-05	2.95E-07	2.50E-07	1.49E-03	1.29E-03	1.979E-05	2.866E-07	2.58E-07	0.0013107
5461 488816.57, 3858541.79	0.66561	0.21528	0.19357	0.14047	0.33667	1.25E-03	1.889E-05	2.7881E-07	3.762E-07	1.27E-03	1.53E-03	2.31E-05	2.75E-07	2.11E-07	1.56E-03	1.35E-03	1.78E-05	2.672E-07	2.175E-07	0.0013697
5462 488944.63, 3858656.77	0.66421	0.18826	0.16935	0.12752	0.27313	1.25E-03	1.652E-05	2.531E-07	3.052E-07	1.27E-03	1.53E-03	2.02E-05	2.50E-07	1.71E-07	1.55E-03	1.35E-03	1.557E-05	2.426E-07	1.764E-07	0.0013646
5463 489134.91, 3858830.7	0.53005	0.15748	0.14235	0.11173	0.21179	9.96E-04	1.382E-05	2.2176E-07	2.366E-07	1.01E-03	1.22E-03	1.69E-05	2.19E-07	1.32E-07	1.24E-03	1.08E-03	1.302E-05	2.125E-07	1.368E-07	0.0010896
5464 489193.99, 3858886.05	0.41251	0.14951	0.13542	0.10744	0.1976	7.75E-04	1.312E-05	2.1325E-07	2.208E-07	7.89E-04	9.50E-04	1.61E-05	2.10E-07	1.24E-07	9.66E-04	8.38E-04	1.236E-05	2.044E-07	1.276E-07	0.0008502
5465 489295.2, 3858954.34	0.29791	0.14018	0.12739	0.10205	0.18188	5.60E-04	1.23E-05	2.0255E-07	2.032E-07	5.73E-04	6.86E-04	1.51E-05	2.00E-07	1.14E-07	7.01E-04	6.05E-04	1.159E-05	1.941E-07	1.175E-07	0.0006168
5466 489295.64, 3858992.74	0.2668	0.13594	0.12368	0.09998	0.17528	5.01E-04	1.193E-05	1.9844E-07	1.958E-07	5.14E-04	6.14E-04	1.46E-05	1.96E-07	1.10E-07	6.29E-04	5.42E-04	1.124E-05	1.902E-07	1.132E-07	0.0005533
5467 489183.74, 3858911.72	0.38648	0.14652	0.13278	0.10611	0.19259	7.26E-04	1.285E-05	2.1061E-07	2.152E-07	7.40E-04	8.90E-04	1.58E-05	2.08E-07	1.20E-07	9.06E-04	7.85E-04	1.212E-05	2.018E-07	1.244E-07	0.0007971
5468 488873.37, 3858625.59	0.70912	0.19513	0.17536	0.13143	0.28861	1.33E-03	1.712E-05	2.6086E-07	3.225E-07	1.35E-03	1.63E-03	2.10E-05	2.57E-07	1.81E-07	1.65E-03	1.44E-03	1.614E-05	2.5E-07	1.864E-07	0.0014564
5469 488842.84, 3858658.69	0.81783	0.18837	0.1692	0.12884	0.27485	1.54E-03	1.653E-05	2.5572E-07	3.071E-07	1.55E-03	1.88E-03	2.03E-05	2.52E-07	1.72E-07	1.90E-03	1.66E-03	1.558E-05	2.451E-07	1.775E-07	0.0016765
5470 488856.39, 3858670.93	0.81855	0.18613	0.1672	0.12771	0.26946	1.54E-03	1.633E-05	2.5348E-07	3.011E-07	1.56E-03	1.88E-03	2.00E-05	2.50E-07	1.69E-07	1.91E-03	1.66E-03	1.539E-05	2.429E-07	1.741E-07	0.0016778
5471 488805.7, 3858724.5	1.15152	0.17733	0.15931	0.12384	0.25248	2.16E-03	1.556E-05	2.458E-07	2.821E-07	2.18E-03	2.65E-03	1.91E-05	2.43E-07	1.58E-07	2.67E-03	2.34E-03	1.466E-05	2.356E-07	1.631E-07	0.0023531
5472 488805.87, 3858804.16	1.91908	0.16469	0.14841	0.11735	0.22925	3.61E-03	1.445E-05	2.3292E-07	2.561E-07	3.62E-03	4.42E-03	1.77E-05	2.30E-07	1.43E-07	4.44E-03	3.90E-03	1.362E-05	2.232E-07	1.481E-07	0.0039105
5473 488995.78, 3858936.96	0.44352	0.14567	0.13199	0.10662	0.19405	8.33E-04	1.278E-05	2.1162E-07	2.168E-07	8.47E-04	1.02E-03	1.57E-05	2.09E-07	1.21E-07	1.04E-03	9.01E-04	1.205E-05	2.028E-07	1.254E-07	0.0009129
5474 489130.76, 3859017.38	0.26245	0.13586	0.12353	0.10084	0.17652	4.93E-04	1.192E-05	2.0015E-07	1.972E-07	5.06E-04	6.04E-04	1.46E-05	1.98E-07	1.10E-07	6.19E-04	5.33E-04	1.124E-05	1.918E-07	1.14E-07	0.0005444
5475 489130.92, 3859052.24	0.22948	0.13251	0.12069	0.09897	0.17132	4.31E-04	1.162E-05	1.9644E-07	1.914E-07	4.43E-04	5.28E-04	1.42E-05	1.94E-07	1.07E-07	5.43E-04	4.66E-04	1.096E-05	1.883E-07	1.107E-07	0.0004772
5476 489200.33, 3859090.6	0.20348	0.12806	0.11685	0.09626	0.16424	3.82E-04	1.123E-05	1.9106E-07	1.835E-07	3.94E-04	4.69E-04	1.38E-05	1.89E-07	1.03E-07	4.83E-04	4.13E-04	1.059E-05	1.831E-07	1.061E-07	0.000424
5477 489296.07, 3859143.7	0.17794	0.12218	0.11178	0.09264	0.15515	3.34E-04	1.072E-05	1.8387E-07	1.734E-07	3.45E-04	4.10E-04	1.31E-05	1.81E-07	9.70E-08	4.23E-04	3.61E-04	1.01E-05	1.762E-07	1.002E-07	0.0003717
5478 489296.43, 3858954.74	0.29725	0.14012	0.12733	0.10201	0.18179	5.59E-04	1.229E-05	2.0247E-07	2.031E-07	5.71E-04	6.85E-04	1.51E-05	2.00E-07	1.14E-07	7.00E-04	6.04E-04	1.159E-05	1.94E-07	1.174E-07	0.0006154
5479 489410.33, 3859033.19	0.22667	0.13066	0.11919	0.09644	0.16638	4.26E-04	1.146E-05	1.9142E-07	1.859E-07	4.38E-04	5.22E-04	1.40E-05	1.89E-07	1.04E-07	5.36E-04	4.60E-04	1.081E-05	1.835E-07	1.075E-07	0.0004713
5480 489371.37, 3859089.8	0.20115	0.12573	0.11484	0.09424	0.15942	3.78E-04	1.103E-05	1.8705E-07	1.781E-07	3.89E-04	4.63E-04	1.35E-05	1.85E-07	9.97E-08	4.77E-04	4.08E-04	1.04E-05	1.793E-07	1.03E-07	0.0004191
5481 489390.52, 3859102.82	0.19453	0.12433	0.11364	0.09339	0.15728	3.66E-04	1.091E-05	1.8536E-07	1.757E-07	3.77E-04	4.48E-04	1.34E-05	1.83E-07	9.84E-08	4.62E-04	3.95E-04	1.028E-05	1.777E-07	1.016E-07	0.0004055
5482 489382.3, 3859114.53	0.1897	0.1235	0.11291	0.093	0.15609	3.56E-04	1.083E-05	1.8459E-07	1.744E-07	3.68E-04	4.37E-04	1.33E-05	1.82E-07	9.76E-08	4.50E-04	3.85E-04	1.021E-05	1.769E-07	1.008E-07	0.0003957
5483 489363.04, 3859102.45	0.19555	0.1248	0.11403	0.0938	0.15808	3.67E-04	1.095E-05	1.8618E-07	1.766E-07	3.79E-04	4.50E-04	1.34E-05	1.84E-07	9.89E-08	4.64E-04	3.97E-04	1.032E-05	1.784E-07	1.021E-07	0.0004076
5484 489337.52, 3859140.71	0.17919	0.12187	0.1115	0.09231	0.15435	3.37E-04	1.069E-05	1.8322E-07	1.725E-07	3.48E-04	4.13E-04	1.31E-05	1.81E-07	9.65E-08	4.26E-04	3.64E-04	1.008E-05	1.756E-07	9.971E-08	0.0003742
5485 489375.14, 3859164.55	0.17009	0.11949	0.10945	0.09084	0.15065	3.20E-04	1.048E-05	1.803E-07	1.683E-07	3.30E-04	3.92E-04	1.28E-05	1.78E-07	9.42E-08	4.05E-04	3.45E-04	9.882E-06	1.728E-07	9.732E-08	0.0003555
5486 489409.3, 3859114.5	0.18898	0.12309	0.11257	0.09262	0.15536	3.55E-04	1.08E-05	1.8383E-07	1.736E-07	3.66E-04	4.35E-04	1.32E-05	1.81E-07	9.72E-08	4.49E-04	3.84E-04	1.018E-05	1.762E-07	1.004E-07	0.0003942
5487 489434.87, 3859131.81	0.18155	0.12138	0.1111	0.09156	0.15263	3.41E-04	1.065E-05	1.8173E-07	1.705E-07	3.52E-04	4.18E-04	1.30E-05	1.79E-07	9.55E-08	4.31E-04	3.69E-04	1.004E-05	1.742E-07	9.859E-08	0.0003789
5488 489471.87, 3859075.75	0.20207	0.126	0.11517	0.09364	0.15898	3.80E-04	1.105E-05	1.8586E-07	1.776E-07	3.91E-04	4.65E-04	1.35E-05	1.83E-07	9.94E-08	4.79E-04	4.10E-04	1.042E-05	1.781E-07	1.027E-07	0.000421
5489 489602.62, 3859164.69	0.16652	0.11694	0.10735	0.08811	0.14527	3.13E-04	1.026E-05	1.7488E-07	1.623E-07	3.24E-04	3.83E-04	1.26E-05	1.73E-07	9.09E-08	3.96E-04	3.38E-04	9.671E-06	1.676E-07	9.384E-08	0.000348
5490 489558.29, 3859232.45	0.1495	0.11223	0.1032	0.08596	0.13895	2.81E-04	9.846E-06	1.7061E-07	1.553E-07	2.91E-04	3.44E-04	1.21E-05	1.68E-07	8.69E-08	3.57E-04	3.04E-04	9.281E-06	1.635E-07	8.976E-08	0.0003131
5491 489620.11, 3859273.56	0.13983	0.10851	0.09999	0.08359	0.13374	2.63E-04	9.519E-06	1.6591E-07	1.494E-07	2.73E-04	3.22E-04	1.17E-05	1.64E-07	8.36E-08	3.34E-04	2.84E-04	8.974E-06	1.59E-07	8.639E-08	0.0002931
5492 489666.06, 3859206.42	0.15437	0.11293	0.10388	0.08561	0.13953	2.90E-04	9.907E-06	1.6992E-07	1.559E-07	3.00E-04	3.55E-04	1.21E-05	1.68E-07	8.73E-08	3.68E-04	3.13E-04	9.339E-06	1.629E-07	9.013E-08	0.000323
5493 489787.9, 3859285.65	0.13621	0.10603	0.0979	0.08124	0.12965	2.56E-04	9.302E-06	1.6125E-07	1.449E-07	2.66E-04	3.14E-04	1.14E-05	1.59E-07	8.11E-08	3.25E-04	2.77E-04	8.769E-06	1.545E-07	8.375E-08	0.0002856
5494 489752.17, 3859343.13	0.12645	0.10252	0.0948	0.0796	0.1251	2.38E-04	8.994E-06	1.5799E-07	1.398E-07	2.47E-04	2.91E-04	1.10E-05	1.56E-07	7.82E-08	3.02E-04	2.57E-04	8.478E-06	1.514E-07	8.081E-08	0.0002655
5495 489814.94, 3859385.33	0.11973	0.09932	0.09202	0.07751	0.12064	2.25E-04	8.713E-06	1.5384E-07	1.348E-07	2.34E-04	2.76E-04	1.07E-05	1.52E-07	7.55E-08	2.87E-04	2.43E-04	8.214E-06	1.474E-07	7.793E-08	0.0002515
5496 489853.42, 3859330.74	0.12793	0.10241	0.09475	0.07893	0.12461	2.40E-04	8.984E-06	1.5666E-07	1.392E-07	2.50E-04	2.95E-04	1.10E-05	1.55E-07	7.79E-08	3.06E-04	2.60E-04	8.469E-06	1.501E-07	8.049E-08	0.0002684
5497 489969.5, 3859401.91	0.11687	0.09702	0.09005	0.07539	0.1172	2.20E-04	8.511E-06	1.4964E-07	1.309E-07	2.28E-04	2.69E-04	1.04E-05	1.48E-07	7.33E-08	2.80E-04	2.37E-04	8.023E-06	1.434E-07	7.571E-08	0.0002455
5498 490166.91, 3859486.96	0.10575	0.0906	0.08442	0.07085	0.10903	1.99E-04	7.948E-06	1.4062E-07	1.218E-07	2.07E-04	2.44E-04	9.74E-06	1.39E-07	6.82E-08	2.53E-04	2.15E-04	7.493E-06	1.348E-07	7.043E-08	0.0002224
5499 490128.86, 3859571.46	0.09722	0.08606	0.0804	0.06852	0.10343	1.83E-04	7.55E-06	1.36E-07	1.156E-07	1.90E-04	2.24E-04	9.25E-06	1.34E-07	6.47E-08	2.33E-04	1.97E-04	7.117E-06	1.303E-07	6.681E-08	0.0002047
5500 490186.65, 3859593.65	0.09514	0.08459	0.07911	0.06743	0.10145	1.79E-04	7.421E-06	1.3384E-07	1.134E-07	1.86E-04	2.19E-04	9.09E-06	1.32E-07	6.35E-08	2.28E-04	1.93E-04	6.995E-06	1.283E-07	6.553E-08	0.0002004
5501 490223.74, 3859517.48	0.10242	0.08866	0.08271	0.06952	0.10643	1.92E-04	7.778E-06	1.3798E-07	1.189E-07	2.01E-04	2.36E-04	9.53E-06	1.36E-07	6.66E-08	2.46E-04	2.08E-04	7.332E-06	1.322E-07	6.875E-08	0.0002155
5502 490846.34, 3859817.22	0.07928	0.07406	0.06978	0.05903	0.08602	1.49E-04	6.497E-06	1.1716E-07	9.611E-08	1.56E-04	1.83E-04	7.96E-06	1.16E-07	5.38E-08	1.91E-04	1.61E-04	6.125E-06	1.123E-07	5.557E-08	0.0001673
5503 490925.65, 3859844.59	0.07782	0.07312	0.06893	0.05826	0.08431	1.46E-04	6.415E-06	1.1564E-07	9.42E-08	1.53E-04	1.79E-04	7.86E-06	1.14E-07	5.27E-08	1.87E-04	1.58E-04	6.047E-06	1.108E-07	5.446E-08	0.0001642
5504 491159.29, 3859896.28	0.0745	0.07112	0.067	0.05638	0.08273	1.40E-04	6.239E-06	1.119E-07	9.244E-08	1.46E-04	1.72E-04	7.65E-06	1.10E-07	5.17E-08	1.79E-04	1.51E-04	5.882E-06	1.072E-07	5.344E-08	0.0001573
5505 491370.69, 3859960.89	0.07071	0.0683	0.06436	0.05416	0.0802	1.33E-04	5.992E-06	1.075E-07	8.961E-08	1.39E-04	1.63E-04	7.34E-06	1.06E-07	5.02E-08	1.70E-04	1.44E-04	5.648E-06	1.03E-07	5.181E-08	0.0001494
5506 491330.28, 3860063.17	0.06539	0.06274	0.05949	0.05095	0.07398	1.23E-04	5.504E-06	1.0113E-07	8.266E-08	1.29E-04	1.51E-04	6.74E-06	9.98E-08	4.63E-08	1.57E-04	1.33E-04	5.189E-06	9.692E-08	4.779E-08	0.0001381
5507 491636.45, 3860180.75	0.06096	0.05949	0.05649	0.04833	0.06973	1.15E-04	5.219E-06	9.5926E-08	7.791E-08	1.20E-04	1.40E-04	6.40E-06	9.47E-08	4.36E-08	1.47E-04	1.24E-04	4.92E-06	9.194E-08	4.504E-08	0.0001288
5508 491617.94, 3860203.93	0.05996	0.05842	0.05555	0.04772	0.06849	1.13E-04	5.125E-06	9.4715E-08	7.652E-08	1.18E-04	1.38E-04	6.28E-06	9.35E-08	4.28E-08	1.44E-04	1.22E-04	4.831E-06	9.078E-08	4.424E-08	0.0001267
5509 491805.68, 3860271.59	0.05767	0.05669	0.05394	0.04629	0.06634	1.08E-04	4.973E-06	9.1877E-08	7.412E-08	1.14E-04	1.33E-04	6.09E-06	9.07E-08	4.15E-08	1.39E-04	1.17E-04	4.688E-06	8.806E-08	4.285E-08	0.0001219
5510 491654.23, 3860414.02	0.05275	0.05179	0.04962	0.04353	0.06032	9.91E-05	4.543E-06	8.6399E-08	6.74E-08	1.04E-04	1.21E-04	5.57E-06	8.53E-08	3.77E-08	1.27E-04	1.07E-04	4.283E-06	8.281E-08	3.896E-08	0.0001115
5511 491592.62, 3860510.76	0.04953	0.04902	0.0471	0.04175	0.05723	9.31E-05	4.3E-06	8.2866E-08	6.394E-08	9.75E-05	1.14E-04	5.27E-06	8.18E-08	3.58E-08	1.19E-04	1.01E-04	4.054E-06	7.942E-08	3.697E-08	0.0001047
5512 491475.41, 3860368.93	0.05337	0.05228	0.05007	0.04407	0.06139	1.00E-04	4.586E-06	8.7471E-08	6.859E-08	1.05E-04	1.23E-04	5.62E-06	8.63E-08	3.84E-08	1.29E-04	1.08E-04	4.323E-06	8.383E-08	3.966E-08	0.0001128
5513 491445.61, 3860337.28	0.05433	0.05309	0.05082	0.04465	0.06242	1.02E-04	4.657E-06	8.8622E-08	6.974E-08	1.07E-04	1.25E-04	5.71E-06	8.75E-08	3.90E-08	1.31E-04	1.10E-04	4.39E-06	8.494E-08	4.032E-08	0.0001148
5514 491399.05, 3860300.37	0.05561	0.0542	0.05182	0.04546	0.06374	1.05E-04	4.755E-06	9.023E-08	7.122E-08	1.09E-04	1.28E-04	5.83E-06	8.91E-08	3.99E-08	1.34E-04	1.13E-04	4.482E-06	8.648E-08	4.117E-08	0.0001175
5515 491228.84, 3860235.98	0.05773	0.05609	0.05356	0.04699	0.06614	1.08E-04	4.921E-06	9.3266E-08	7.39E-08	1.14E-04	1.33E-04	6.03E-06	9.20E-08	4.14E-08	1.39E-04	1.17E-04	4.639E-06	8.939E-08	4.272E-08	0.000122
5516 491228.47, 3860174.57	0.06019	0.05807	0.05535	0.04827	0.0685	1.13E-04	5.094E-06	9.5807E-08	7.654E-08	1.18E-04	1.39E-04	6.24E-06	9.46E-08	4.28E-08	1.45E-04	1.22E-04	4.802E-06	9.182E-08	4.425E-08	0.0001271

5517 491145.77, 3860112.55	0.06293	0.06038	0.05744	0.04993	0.07117	1.18E-04	5.297E-06	9.9102E-08	7.952E-08	1.24E-04	1.45E-04	6.49E-06	9.78E-08	4.45E-08	1.52E-04	1.28E-04	4.993E-06	9.498E-08	4.597E-08	0.0001329
5518 490844.41, 3859966.22	0.07045	0.06684	0.06332	0.05475	0.07823	1.32E-04	5.864E-06	1.0867E-07	8.741E-08	1.38E-04	1.62E-04	7.19E-06	1.07E-07	4.89E-08	1.70E-04	1.43E-04	5.528E-06	1.041E-07	5.053E-08	0.0001487
5519 490845.55, 3859928.15	0.07251	0.0684	0.06472	0.05569	0.08001	1.36E-04	6.001E-06	1.1053E-07	8.94E-08	1.42E-04	1.67E-04	7.35E-06	1.09E-07	5.00E-08	1.74E-04	1.47E-04	5.657E-06	1.059E-07	5.168E-08	0.000153
5520 490046.91, 3859625.6	0.09261	0.08439	0.07892	0.06792	0.10167	1.74E-04	7.403E-06	1.3481E-07	1.136E-07	1.82E-04	2.13E-04	9.07E-06	1.33E-07	6.36E-08	2.23E-04	1.88E-04	6.979E-06	1.292E-07	6.568E-08	0.0001952
5521 489970.48, 3859589.4	0.09601	0.08692	0.08115	0.06972	0.10493	1.80E-04	7.625E-06	1.3838E-07	1.172E-07	1.88E-04	2.21E-04	9.34E-06	1.37E-07	6.56E-08	2.31E-04	1.95E-04	7.188E-06	1.326E-07	6.778E-08	0.0002023
5522 489865.89, 3859529.06	0.1021	0.0911	0.08483	0.0726	0.11026	1.92E-04	7.992E-06	1.441E-07	1.232E-07	2.00E-04	2.35E-04	9.79E-06	1.42E-07	6.90E-08	2.45E-04	2.07E-04	7.534E-06	1.381E-07	7.122E-08	0.000215
5523 489826.89, 3859531.74	0.10208	0.09145	0.08514	0.07294	0.11089	1.92E-04	8.023E-06	1.4477E-07	1.239E-07	2.00E-04	2.35E-04	9.83E-06	1.43E-07	6.94E-08	2.45E-04	2.07E-04	7.563E-06	1.388E-07	7.163E-08	0.000215
5524 489410.47, 3859303.06	0.13483	0.1089	0.10038	0.08456	0.13605	2.53E-04	9.553E-06	1.6784E-07	1.52E-07	2.63E-04	3.10E-04	1.17E-05	1.66E-07	8.51E-08	3.22E-04	2.74E-04	9.006E-06	1.609E-07	8.788E-08	0.000283
5525 489407.15, 3859286.09	0.1379	0.11012	0.10142	0.0853	0.13771	2.59E-04	9.66E-06	1.693E-07	1.539E-07	2.69E-04	3.18E-04	1.18E-05	1.67E-07	8.61E-08	3.30E-04	2.80E-04	9.107E-06	1.623E-07	8.896E-08	0.0002893
5526 488806.07, 3858963.62	0.33768	0.1423	0.12945	0.10523	0.19083	6.35E-04	1.248E-05	2.0886E-07	2.132E-07	6.47E-04	7.78E-04	1.53E-05	2.06E-07	1.19E-07	7.93E-04	6.86E-04	1.177E-05	2.002E-07	1.233E-07	0.0006977
5527 488817.64, 3859546.3	0.10219	0.08794	0.08206	0.07152	0.10851	1.92E-04	7.715E-06	1.4195E-07	1.212E-07	2.00E-04	2.35E-04	9.45E-06	1.40E-07	6.79E-08	2.45E-04	2.07E-04	7.273E-06	1.36E-07	7.009E-08	0.000215
5528 489187.25, 3859549.52	0.10423	0.09075	0.08484	0.07314	0.11141	1.96E-04	7.961E-06	1.4517E-07	1.245E-07	2.04E-04	2.40E-04	9.76E-06	1.43E-07	6.97E-08	2.50E-04	2.12E-04	7.505E-06	1.391E-07	7.197E-08	0.0002193
5529 489187.66, 3859523.74	0.10702	0.09251	0.0864	0.07433	0.11381	2.01E-04	8.116E-06	1.4753E-07	1.272E-07	2.10E-04	2.46E-04	9.95E-06	1.46E-07	7.12E-08	2.57E-04	2.17E-04	7.65E-06	1.414E-07	7.352E-08	0.0002252
5530 489232.59, 3859522.85	0.10755	0.09306	0.0869	0.07469	0.11434	2.02E-04	8.164E-06	1.4825E-07	1.278E-07	2.11E-04	2.48E-04	1.00E-05	1.46E-07	7.15E-08	2.58E-04	2.18E-04	7.696E-06	1.421E-07	7.386E-08	0.0002263
5531 489224.98, 3859759.91	0.08624	0.07848	0.07385	0.06464	0.09503	1.62E-04	6.885E-06	1.283E-07	1.062E-07	1.69E-04	1.99E-04	8.44E-06	1.27E-07	5.94E-08	2.07E-04	1.75E-04	6.49E-06	1.23E-07	6.139E-08	0.0001818
5532 488401.39, 3859763.34	0.08227	0.07038	0.06782	0.06181	0.08964	1.55E-04	6.174E-06	1.2268E-07	1.002E-07	1.61E-04	1.89E-04	7.57E-06	1.21E-07	5.61E-08	1.97E-04	1.67E-04	5.82E-06	1.176E-07	5.79E-08	0.000173
5533 488405.51, 3859966.16	0.07116	0.06239	0.06058	0.05576	0.07854	1.34E-04	5.473E-06	1.1067E-07	8.775E-08	1.39E-04	1.64E-04	6.71E-06	1.09E-07	4.91E-08	1.71E-04	1.44E-04	5.16E-06	1.061E-07	5.073E-08	0.0001498
5534 489202.85, 3859956.57	0.07439	0.06924	0.0655	0.05827	0.0831	1.40E-04	6.074E-06	1.1566E-07	9.285E-08	1.46E-04	1.71E-04	7.44E-06	1.14E-07	5.20E-08	1.79E-04	1.51E-04	5.726E-06	1.108E-07	5.368E-08	0.0001569
5535 489191.9, 3860676.74	0.04867	0.04643	0.04483	0.04182	0.05466	9.15E-05	4.073E-06	8.3005E-08	6.107E-08	9.57E-05	1.12E-04	4.99E-06	8.19E-08	3.42E-08	1.17E-04	9.88E-05	3.84E-06	7.955E-08	3.531E-08	0.0001028
5536 488392.82, 3860687.88	0.04792	0.04511	0.0431	0.04059	0.05297	9.01E-05	3.957E-06	8.0564E-08	5.918E-08	9.41E-05	1.10E-04	4.85E-06	7.95E-08	3.31E-08	1.15E-04	9.73E-05	3.731E-06	7.721E-08	3.422E-08	0.0001011
5537 488392.82, 3860760.27	0.04663	0.04417	0.04208	0.0397	0.05131	8.76E-05	3.875E-06	7.8797E-08	5.733E-08	9.16E-05	1.07E-04	4.75E-06	7.78E-08	3.21E-08	1.12E-04	9.47E-05	3.653E-06	7.552E-08	3.314E-08	9.844E-05
5538 487549.05, 3860777.45	0.04526	0.03914	0.03931	0.03888	0.04956	8.51E-05	3.434E-06	7.717E-08	5.537E-08	8.86E-05	1.04E-04	4.21E-06	7.62E-08	3.10E-08	1.09E-04	9.19E-05	3.237E-06	7.396E-08	3.201E-08	9.524E-05
5539 487554.62, 3859571.83	0.08786	0.07483	0.07161	0.06614	0.09977	1.65E-04	6.565E-06	1.3128E-07	1.115E-07	1.72E-04	2.02E-04	8.04E-06	1.30E-07	6.24E-08	2.11E-04	1.78E-04	6.188E-06	1.258E-07	6.445E-08	0.0001848
5540 485949.46, 3859558.54	0.07496	0.07921	0.07005	0.0671	0.0905	1.41E-04	6.949E-06	1.3318E-07	1.011E-07	1.48E-04	1.73E-04	8.52E-06	1.31E-07	5.66E-08	1.81E-04	1.52E-04	6.551E-06	1.276E-07	5.846E-08	0.0001589
5541 485947.55, 3857943.61	0.2058	0.23974	0.20962	0.2036	0.28398	3.87E-04	2.103E-05	4.0411E-07	3.173E-07	4.08E-04	4.74E-04	2.58E-05	3.99E-07	1.78E-07	5.00E-04	4.18E-04	1.983E-05	3.873E-07	1.834E-07	0.0004382
5542 484738.38, 3857940.21	0.13422	0.11263	0.13542	0.1468	0.16824	2.52E-04	9.881E-06	2.9137E-07	1.88E-07	2.63E-04	3.09E-04	1.21E-05	2.88E-07	1.05E-07	3.22E-04	2.73E-04	9.314E-06	2.793E-07	1.087E-07	0.0002822
5543 484737.06, 3857535.68	0.16538	0.12476	0.16763	0.18664	0.20823	3.11E-04	1.094E-05	3.7045E-07	2.327E-07	3.22E-04	3.81E-04	1.34E-05	3.66E-07	1.30E-07	3.95E-04	3.36E-04	1.032E-05	3.55E-07	1.345E-07	0.0003466
5544 483730.2, 3857530.13	0.11839	0.09754	0.11952	0.13067	0.13387	2.22E-04	8.557E-06	2.5936E-07	1.496E-07	2.31E-04	2.73E-04	1.05E-05	2.56E-07	8.37E-08	2.83E-04	2.40E-04	8.066E-06	2.486E-07	8.648E-08	0.0002488
5545 483727.27, 3857130.01	0.13852	0.11319	0.1401	0.15427	0.15405	2.60E-04	9.93E-06	3.062E-07	1.721E-07	2.71E-04	3.19E-04	1.22E-05	3.02E-07	9.63E-08	3.32E-04	2.81E-04	9.361E-06	2.935E-07	9.951E-08	0.000291
5546 483124.42, 3857123.45	0.11182	0.10163	0.11144	0.12035	0.11557	2.10E-04	8.916E-06	2.3887E-07	1.291E-07	2.19E-04	2.58E-04	1.09E-05	2.36E-07	7.23E-08	2.69E-04	2.27E-04	8.405E-06	2.289E-07	7.465E-08	0.0002357
5547 483111.13, 3855921.03	0.16343	0.16809	0.15598	0.16642	0.13636	3.07E-04	1.475E-05	3.3031E-07	1.524E-07	3.22E-04	3.76E-04	1.81E-05	3.26E-07	8.53E-08	3.95E-04	3.32E-04	1.39E-05	3.166E-07	8.808E-08	0.0003461
5548 482701.73, 3855918.24	0.13389	0.14569	0.12552	0.13257	0.10777	2.52E-04	1.278E-05	2.6313E-07	1.204E-07	2.65E-04	3.08E-04	1.57E-05	2.60E-07	6.74E-08	3.24E-04	2.72E-04	1.205E-05	2.522E-07	6.962E-08	0.0002842
5549 482668.02, 3853521.78	0.1484	0.06991	0.05245	0.05612	0.03696	2.79E-04	6.133E-06	1.1139E-07	4.13E-08	2.85E-04	3.42E-04	7.52E-06	1.10E-07	2.31E-08	3.49E-04	3.01E-04	5.781E-06	1.068E-07	2.387E-08	0.0003072
5550 482579.91, 3853219.19	0.07775	0.06179	0.04871	0.05256	0.03665	1.46E-04	5.421E-06	1.0432E-07	4.095E-08	1.52E-04	1.79E-04	6.64E-06	1.03E-07	2.29E-08	1.86E-04	1.58E-04	5.11E-06	9.998E-08	2.367E-08	0.0001631
5551 482434.06, 3852961.94	0.06214	0.05381	0.04464	0.04894	0.0358	1.17E-04	4.721E-06	9.7137E-08	4E-08	1.22E-04	1.43E-04	5.78E-06	9.59E-08	2.24E-08	1.49E-04	1.26E-04	4.45E-06	9.31E-08	2.313E-08	0.0001307
5552 482332.11, 3852832.85	0.05664	0.04985	0.04212	0.04638	0.03458	1.06E-04	4.373E-06	9.2056E-08	3.864E-08	1.11E-04	1.30E-04	5.36E-06	9.09E-08	2.16E-08	1.36E-04	1.15E-04	4.123E-06	8.823E-08	2.234E-08	0.0001192
5553 481334.99, 3851818.96	0.03325	0.03078	0.02759	0.0305	0.02358	6.25E-05	2.7E-06	6.0537E-08	2.635E-08	6.53E-05	7.66E-05	3.31E-06	5.97E-08	1.47E-08	8.00E-05	6.75E-05	2.545E-06	5.802E-08	1.523E-08	7.013E-05
5554 481127.62, 3851646.36	0.03074	0.02853	0.02562	0.02827	0.02175	5.78E-05	2.503E-06	5.6111E-08	2.43E-08	6.03E-05	7.08E-05	3.07E-06	5.54E-08	1.36E-08	7.39E-05	6.24E-05	2.359E-06	5.378E-08	1.405E-08	6.484E-05
5555 481025.04, 3851591.73	0.02974	0.0276	0.0247	0.02719	0.02063	5.59E-05	2.421E-06	5.3967E-08	2.305E-08	5.84E-05	6.85E-05	2.97E-06	5.33E-08	1.29E-08	7.15E-05	6.04E-05	2.282E-06	5.172E-08	1.333E-08	6.273E-05
5556 480513.6, 3851335.76	0.02503	0.02268	0.02019	0.02223	0.0155	4.70E-05	1.99E-06	4.4122E-08	1.732E-08	4.91E-05	5.76E-05	2.44E-06	4.35E-08	9.69E-09	6.01E-05	5.08E-05	1.876E-06	4.229E-08	1.001E-08	5.275E-05
5557 480523.56, 3851317.66	0.02511	0.02285	0.02037	0.02241	0.01576	4.72E-05	2.005E-06	4.448E-08	1.761E-08	4.93E-05	5.78E-05	2.46E-06	4.39E-08	9.86E-09	6.03E-05	5.10E-05	1.89E-06	4.263E-08	1.018E-08	5.293E-05
5558 476921.56, 3849569.11	0.01125	0.01001	0.00952	0.01108	0.00809	2.11E-05	8.781E-07	2.1992E-08	9.039E-09	2.21E-05	2.59E-05	1.08E-06	2.17E-08	5.06E-09	2.70E-05	2.28E-05	8.278E-07	2.108E-08	5.226E-09	2.37E-05
5559 476521.19, 3849373.96	0.01045	0.00948	0.00907	0.01029	0.0076	1.96E-05	8.317E-07	2.0424E-08	8.492E-09	2.05E-05	2.41E-05	1.02E-06	2.02E-08	4.75E-09	2.51E-05	2.12E-05	7.84E-07	1.957E-08	4.909E-09	2.203E-05
5560 476391.45, 3849333.38	0.01034	0.0094	0.009	0.01018	0.00755	1.94E-05	8.246E-07	2.0205E-08	8.436E-09	2.03E-05	2.38E-05	1.01E-06	1.99E-08	4.72E-09	2.48E-05	2.10E-05	7.774E-07	1.936E-08	4.877E-09	2.18E-05
5561 476219.41, 3849304.29	0.01025	0.00936	0.00897	0.01008	0.00752	1.93E-05	8.211E-07	2.0007E-08	8.402E-09	2.01E-05	2.36E-05	1.01E-06	1.97E-08	4.70E-09	2.46E-05	2.08E-05	7.741E-07	1.917E-08	4.858E-09	2.161E-05
5562 475679.11, 3849218.47	0.00977	0.00915	0.00878	0.00957	0.00714	1.84E-05	8.027E-07	1.8995E-08	7.978E-09	1.92E-05	2.25E-05	9.84E-07	1.87E-08	4.47E-09	2.35E-05	1.98E-05	7.567E-07	1.82E-08	4.612E-09	2.062E-05
5563 475677.71, 3849233.88	0.00983	0.0092	0.00883	0.00963	0.0072	1.85E-05	8.071E-07	1.9114E-08	8.045E-09	1.93E-05	2.26E-05	9.89E-07	1.89E-08	4.50E-09	2.36E-05	2.00E-05	7.608E-07	1.832E-08	4.651E-09	2.074E-05
5564 475492.74, 3849204.66	0.0089	0.00863	0.00831	0.0088	0.00608	1.67E-05	7.571E-07	1.7466E-08	6.793E-09	1.75E-05	2.05E-05	9.28E-07	1.72E-08	3.80E-09	2.14E-05	1.81E-05	7.137E-07	1.674E-08	3.927E-09	1.88E-05
5565 475497.64, 3849158.75	0.00911	0.00876	0.00842	0.00898	0.0064	1.71E-05	7.685E-07	1.7824E-08	7.151E-09	1.79E-05	2.10E-05	9.42E-07	1.76E-08	4.00E-09	2.19E-05	1.85E-05	7.244E-07	1.708E-08	4.134E-09	1.924E-05
5566 475391.35, 3849141.94	0.00933	0.00889	0.00855	0.00916	0.00672	1.75E-05	7.799E-07	1.8181E-08	7.508E-09	1.83E-05	2.15E-05	9.56E-07	1.79E-08	4.20E-09	2.25E-05	1.89E-05	7.352E-07	1.742E-08	4.341E-09	1.97E-05
5567 475277, 3849095.47	0.0093	0.00884	0.0085	0.00913	0.00676	1.75E-05	7.755E-07	1.8121E-08	7.553E-09	1.83E-05	2.14E-05	9.50E-07	1.79E-08	4.23E-09	2.24E-05	1.89E-05	7.311E-07	1.737E-08	4.367E-09	1.964E-05
5568 475183.93, 3849025.66	0.00912	0.00868	0.00835	0.00895	0.00663	1.71E-05	7.615E-07	1.7764E-08	7.408E-09	1.79E-05	2.10E-05	9.33E-07	1.75E-08	4.15E-09	2.20E-05	1.85E-05	7.178E-07	1.703E-08	4.283E-09	1.926E-05
5569 474453.23, 3848378.77	0.00789	0.00748	0.00723	0.00779	0.0058	1.48E-05	6.562E-07	1.5462E-08	6.48E-09	1.55E-05	1.82E-05	8.04E-07	1.53E-08	3.63E-09	1.90E-05	1.60E-05	6.186E-07	1.482E-08	3.747E-09	1.666E-05
5570 474569.63, 3848399.34	0.00784	0.00745	0.00721	0.00776	0.00573	1.47E-05	6.536E-07	1.5402E-08	6.402E-09	1.54E-05	1.81E-05	8.01E-07	1.52E-08	3.58E-09	1.89E-05	1.59E-05	6.161E-07	1.476E-08	3.701E-09	1.655E-05
5571 474644.33, 3848464.52	0.00797	0.00757	0.00732	0.00788	0.00583	1.50E-05	6.641E-07	1.564E-08	6.514E-09	1.57E-05	1.84E-05	8.14E-07	1.54E-08	3.65E-09	1.92E-05	1.62E-05	6.26E-07	1.499E-08	3.766E-09	1.683E-05
5572 474719.04, 3848529.7	0.00809	0.00769	0.00743	0.00799	0.00591	1.52E-05	6.746E-07	1.5859E-08	6.603E-09	1.59E-05	1.86E-05	8.27E-07	1.57E-08	3.70E-09	1.95E-05	1.64E-05	6.36E-07	1.52E-08	3.818E-09	1.708E-05
5573 474793.74, 3848594.88	0.00816	0.00777	0.00751	0.00806	0.00593	1.53E-05	6.816E-07	1.5998E-08	6.626E-09	1.60E-05	1.88E-05	8.35E-07	1.58E-08	3.71E-09	1.96E-05	1.66E-05	6.426E-07	1.533E-08	3.831E-09	1.723E-05
5574 474868.45, 3848660.07	0.00819	0.00783	0.00757	0.0081	0.00589	1.54E-05	6.869E-07	1.6077E-08	6.581E-09	1.61E-05	1.89E-05	8.42E-07	1.59E-08	3.68E-09	1.97E-05	1.66E-05	6.475E-07	1.541E-08	3.805E-09	1.73E-05
5575 474943.15, 3848725.25	0.00828	0.00792	0.00765	0.00818	0.00592	1.56E-05	6.948E-07	1.6236E-08	6.614E-09	1.63E-05	1.91E-05	8.51E-07	1.60E-08	3.70E-09	1.99E-05	1.68E-05	6.55E-07	1.556E-08	3.824E-09	1.749E-05
5576 475017.86, 3848790.43	0.00843	0.00807	0.00779	0.00832	0.00604	1.58E-05	7.08E-07	1.6514E-08	6.749E-09	1.66E-05	1.94E-05	8.68E-07	1.63E-08	3.78E-09	2.03E-05	1.71E-05	6.674E-07	1.583E-08	3.902E-09	1.78E-05
5577 475092.56, 3848855.61	0.00862	0.00824	0.00794	0.0085	0.0062	1.62E-05	7.229E-07	1.6871E-08	6.927E-09	1.69E-05	1.99E-05	8.86E-07	1.67E-08	3.88E-09	2.08E-05	1.75E-05	6.814E-07	1.617E-08	4.005E-09	1.82E-05
5578 475232.58, 3848959.38	0.00889	0.00847	0.00816	0.00875	0.00641	1.67E-05	7.43E-07	1.7367E-08	7.162E-09	1.75E-05	2.05E-05	9.11E-07	1.71E-08	4.01E-09	2.14E-05	1.81E-05	7.005E-07	1.664E-08	4.141E-09	1.877E-05
5579 475368.47, 3849029.98	0.009	0.00859	0.00826	0.00886	0.00645	1.69E-05	7.536E-07	1.7585E-08	7.207E-09	1.77E-05	2.07E-05	9.23E-07	1.74E-08	4.03E-09	2.17E-05	1.83E-05	7.104E-07	1.685E-08	4.166E-09	1.9E-05
5580 475609.57, 3849096.09	0.00906	0.00865	0.00832	0.00895	0.00644	1.70E-05	7.588E-07	1.7764E-08	7.196E-09	1.78E-05	2.09E-05	9.30E-07	1.75E-08	4.03E-09	2.18E-05	1.84E-05	7.153E-07	1.703E-08	4.16E-09	1.913E-05
5581 475680.68, 3849116.62	0.00925	0.00877	0.00843	0.00913	0.00666	1.74E-05	7.694E-07	1.8121E-08	7.441E-09	1.82E-05	2.13E-05	9.43E-07	1.79E-08	4.17E-09	2.23E-05	1.88E-05	7.253E-07	1.737E-08	4.302E-09	1.953E-05
5582 475843.76, 3849151.52	0.00948	0.0089	0.00855	0.00935	0.00689	1.78E-05	7.808E-07	1.8558E-08	7.698E-09	1.86E-05	2.18E-05	9.57E-07	1.83E-08	4.31E-09	2.28E-05	1.92E-05	7.36E-07	1.779E-08	4.451E-09	2.001E-05
5583 475935.73, 3849165.89	0.0097	0.009	0.00864	0.00955	0.00711	1.82E-05	7.895E-07	1.8955E-08	7.944E-09	1.90E-05	2.23E-05	9.68E-07	1.87E-08	4.45E-09	2.33E-05	1.97E-05	7.443E-07	1.817E-08	4.593E-09	2.046E-05
5584 476027.71, 3849180.27	0.00987	0.00906	0.0087	0.00972	0.00725	1.85E-05	7.948E-07	1.9292E-08	8.101E-09	1.94E-05	2.27E-05	9.74E-07	1.90E-08	4.53E-09	2.37E-05	2.00E-05	7.493E-07	1.849E-08	4.683E-09	2.081E-05
5585 476119.68, 3849194.64	0.00975	0.00903	0.00867	0.00962	0.00712	1.83E-05	7.922E-07	1.9094E-08	7.955E-09	1.91E-05	2.25E-05	9.71E-07	1.88E-08	4.45E-09	2.34E-05	1.98E-05	7.468E-07	1.83E-08	4.599E-09	2.057E-05
5586 476211.65, 3849209.01	0.00977	0.00904	0.00867	0.00964	0.00711	1.84E-05	7.931E-07	1.9134E-08	7.944E-09	1.92E-05	2.25E-05	9.72E-07	1.89E-08	4.45E-09	2.35E-05	1.98E-05	7.476E-07	1.834E-08	4.593E-09	2.061E-05
5587 476497.81, 3849283.9	0.01	0.00918	0.0088	0.00988	0.00724	1.88E-05	8.053E-07	1.961E-08	8.089E-09	1.96E-05	2.30E-05	9.87E-07	1.94E-08	4.53E-09	2.40E-05	2.03E-05	7.592E-07	1.879E-08	4.677E-09	2.109E-05
5588 476603.73, 3849323.77	0.01016	0.00928	0.00889	0.01004	0.00736	1.91E-05	8.141E-07	1.9928E-08	8.223E-09	1.99E-05	2.34E-05	9.98E-07	1.97E-08	4.60E-09	2.44E-05	2.06E-05	7.674E-07	1.91E-08	4.754E-09	2.142E-05
5589 476728.99, 3849382.76	0.01036	0.00941	0.00901	0.01024	0.0075	1.95E-05	8.255E-07	2.0325E-08	8.38E-09	2.03E-05	2.39E-05	1.01E-06	2.01E-08	4.69E-09	2.49E-05	2.10E-05	7.782E-07	1.948E-08	4.845E-09	2.184E-05
5590 476801.27, 3849418.65	0.0105	0.0095	0.00909	0.01037	0.00759	1.97E-05	8.334E-07	2.0583E-08	8.48E-09	2.06E-05	2.42E-05	1.02E-06	2.03E-08	4.75E-09	2.52E-05	2.13E-05	7.856E-07	1.973E-08	4.903E-09	2.213E-05
5591 476956.2, 3849495.05	0.0108	0.00968	0.00925	0.01067	0.00778	2.03E-05	8.492E-07	2.1178E-08	8.693E-09	2.12E-05	2.49E-05	1.04E-06	2.09E-08	4.87E-09	2.59E-05	2.19E-05	8.005E-07	2.03E-08	5.026E-09	2.275E-05
5592 477038.84, 3849535.56	0.01088	0.00976	0.00932	0.01075	0.00782	2.04E-05	8.562E-07	2.1337E-08	8.737E-09	2.13E-05	2.51E-05	1.05E-06	2.11E-08	4.89E-09	2.61E-05	2.21E-05	8.071E-07	2.045E-08	5.051E-09	2.292E-05
5593 477121.49, 3849576.08	0.01103	0.00985	0.00941	0.0109	0.00791	2.07E-05	8.641E-07	2.1634E-08	8.838E-09	2.16E-05	2.54E-05	1.06E-06	2.14E-08	4.95E-09	2.65E-05	2.24E-05	8.146E-07	2.073E-08	5.11E-09	2.324E-05
5594 477204.13, 3849616.6	0.01112	0.00993	0.00948	0.01098	0.00794	2.09E-05	8.711E-07	2.1793E-08	8.871E-09	2.18E-05	2.56E-05	1.07E-06	2.15E-08	4.97E-09	2.67E-05	2.26E-05	8.212E-07	2.089E-08	5.129E-09	2.343E-05
5595 477286.78, 3849657.12	0.011	0.00997	0.00951	0.01088	0.00784	2.07E-05	8.746E-07	2.1595E-08	8.76E-09	2.16E-05	2.53E-05	1.07E-06	2.13E-08	4.90E-09	2.64E-05	2.23E-05	8.245E-07	2.07E-08	5.064E-09	2.318E-05
5596 477369.42, 3849697.63	0.01139	0.01012	0.00965	0.01124	0.00809	2.14E-05	8.878E-07	2.2309E-08	9.039E-09	2.23E-05	2.62E-05	1.09E-06	2.20E-08	5.06E-09	2.73E-05	2.31E-05	8.369E-07	2.138E-08	5.226E-09	2.399E-05

5597 477452.07, 3849738.15	0.01146	0.0102	0.00972	0.01131	0.00812	2.15E-05	8.948E-07	2.2448E-08	9.073E-09	2.25E-05	2.64E-05	1.10E-06	2.22E-08	5.08E-09	2.75E-05	2.33E-05	8.435E-07	2.151E-08	5.245E-09	2.414E-05
5598 477534.71, 3849778.67	0.01178	0.01041	0.00984	0.0116	0.00829	2.21E-05	9.132E-07	2.3024E-08	9.263E-09	2.31E-05	2.71E-05	1.12E-06	2.27E-08	5.18E-09	2.83E-05	2.39E-05	8.609E-07	2.207E-08	5.355E-09	2.481E-05
5599 477617.36, 3849819.18	0.01189	0.0105	0.00992	0.01169	0.00833	2.23E-05	9.211E-07	2.3202E-08	9.307E-09	2.33E-05	2.74E-05	1.13E-06	2.29E-08	5.21E-09	2.85E-05	2.41E-05	8.683E-07	2.224E-08	5.381E-09	2.504E-05
5600 477824.74, 3849896.37	0.01222	0.01068	0.01023	0.01197	0.00842	2.30E-05	9.369E-07	2.3758E-08	9.408E-09	2.39E-05	2.81E-05	1.15E-06	2.34E-08	5.27E-09	2.93E-05	2.48E-05	8.832E-07	2.277E-08	5.439E-09	2.572E-05
5601 477906.31, 3849936.37	0.01203	0.0106	0.01008	0.01178	0.00828	2.26E-05	9.299E-07	2.3381E-08	9.251E-09	2.36E-05	2.77E-05	1.14E-06	2.31E-08	5.18E-09	2.89E-05	2.44E-05	8.766E-07	2.241E-08	5.349E-09	2.533E-05
5602 477987.89, 3849976.36	0.01229	0.01088	0.01021	0.01201	0.00839	2.31E-05	9.545E-07	2.3838E-08	9.374E-09	2.41E-05	2.83E-05	1.17E-06	2.35E-08	5.25E-09	2.95E-05	2.50E-05	8.998E-07	2.285E-08	5.42E-09	2.588E-05
5603 478069.47, 3850016.36	0.01221	0.01078	0.01023	0.01192	0.0083	2.29E-05	9.457E-07	2.3659E-08	9.274E-09	2.39E-05	2.81E-05	1.16E-06	2.34E-08	5.19E-09	2.93E-05	2.48E-05	8.915E-07	2.267E-08	5.362E-09	2.571E-05
5604 478151.04, 3850056.35	0.01216	0.01082	0.01027	0.01184	0.00822	2.29E-05	9.492E-07	2.35E-08	9.184E-09	2.38E-05	2.80E-05	1.16E-06	2.32E-08	5.14E-09	2.92E-05	2.47E-05	8.948E-07	2.252E-08	5.31E-09	2.561E-05
5605 478232.62, 3850096.35	0.01234	0.01094	0.01037	0.01198	0.00827	2.32E-05	9.597E-07	2.3778E-08	9.24E-09	2.42E-05	2.84E-05	1.18E-06	2.35E-08	5.17E-09	2.96E-05	2.51E-05	9.047E-07	2.279E-08	5.342E-09	2.599E-05
5606 478314.2, 3850136.34	0.01255	0.01108	0.0105	0.01215	0.00834	2.36E-05	9.72E-07	2.4116E-08	9.318E-09	2.46E-05	2.89E-05	1.19E-06	2.38E-08	5.22E-09	3.01E-05	2.55E-05	9.163E-07	2.311E-08	5.387E-09	2.643E-05
5607 478395.77, 3850176.34	0.01279	0.01123	0.01063	0.01233	0.00842	2.40E-05	9.852E-07	2.4473E-08	9.408E-09	2.51E-05	2.95E-05	1.21E-06	2.42E-08	5.27E-09	3.07E-05	2.60E-05	9.287E-07	2.345E-08	5.439E-09	2.693E-05
5608 478575.43, 3850244.45	0.01334	0.01158	0.01093	0.0127	0.00853	2.51E-05	1.016E-06	2.5207E-08	9.531E-09	2.61E-05	3.07E-05	1.24E-06	2.49E-08	5.34E-09	3.20E-05	2.71E-05	9.577E-07	2.416E-08	5.51E-09	2.807E-05
5609 478665.06, 3850287.29	0.01369	0.01206	0.01114	0.01295	0.00864	2.57E-05	1.058E-06	2.5703E-08	9.654E-09	2.68E-05	3.15E-05	1.30E-06	2.54E-08	5.40E-09	3.29E-05	2.78E-05	9.973E-07	2.463E-08	5.581E-09	2.882E-05
5610 478754.69, 3850330.14	0.01407	0.01231	0.01172	0.01324	0.00877	2.64E-05	1.08E-06	2.6279E-08	9.799E-09	2.76E-05	3.24E-05	1.32E-06	2.59E-08	5.49E-09	3.38E-05	2.86E-05	1.018E-06	2.519E-08	5.665E-09	2.962E-05
5611 478844.32, 3850372.99	0.01451	0.01259	0.01194	0.01359	0.00895	2.73E-05	1.104E-06	2.6974E-08	1E-08	2.84E-05	3.34E-05	1.35E-06	2.66E-08	5.60E-09	3.48E-05	2.95E-05	1.041E-06	2.585E-08	5.781E-09	3.053E-05
5612 478933.95, 3850415.84	0.01499	0.01305	0.01219	0.01396	0.00916	2.82E-05	1.145E-06	2.7708E-08	1.023E-08	2.94E-05	3.45E-05	1.40E-06	2.73E-08	5.73E-09	3.60E-05	3.04E-05	1.079E-06	2.656E-08	5.917E-09	3.155E-05
5613 479023.58, 3850458.68	0.0153	0.01322	0.01245	0.01417	0.00925	2.88E-05	1.16E-06	2.8125E-08	1.034E-08	3.00E-05	3.52E-05	1.42E-06	2.78E-08	5.79E-09	3.67E-05	3.11E-05	1.093E-06	2.695E-08	5.975E-09	3.219E-05
5614 479110.66, 3850441.91	0.01574	0.01373	0.01274	0.01444	0.00941	2.96E-05	1.204E-06	2.8661E-08	1.051E-08	3.08E-05	3.62E-05	1.48E-06	2.83E-08	5.89E-09	3.78E-05	3.20E-05	1.135E-06	2.747E-08	6.079E-09	3.313E-05
5615 479191.22, 3850423.99	0.01614	0.01419	0.01311	0.01472	0.0096	3.03E-05	1.245E-06	2.9216E-08	1.073E-08	3.16E-05	3.72E-05	1.53E-06	2.88E-08	6.00E-09	3.87E-05	3.28E-05	1.173E-06	2.8E-08	6.201E-09	3.398E-05
5616 479274.32, 3850465.71	0.01656	0.0146	0.01345	0.01505	0.00982	3.11E-05	1.281E-06	2.9871E-08	1.097E-08	3.24E-05	3.81E-05	1.57E-06	2.95E-08	6.14E-09	3.97E-05	3.36E-05	1.207E-06	2.863E-08	6.343E-09	3.487E-05
5617 479357.43, 3850507.42	0.01692	0.01505	0.01382	0.01532	0.00997	3.18E-05	1.32E-06	3.0407E-08	1.114E-08	3.32E-05	3.90E-05	1.62E-06	3.00E-08	6.24E-09	4.06E-05	3.44E-05	1.245E-06	2.914E-08	6.44E-09	3.563E-05
5618 479440.53, 3850549.14	0.01725	0.01532	0.0142	0.01558	0.01011	3.24E-05	1.344E-06	3.0923E-08	1.13E-08	3.38E-05	3.97E-05	1.65E-06	3.05E-08	6.32E-09	4.14E-05	3.50E-05	1.267E-06	2.964E-08	6.531E-09	3.633E-05
5619 479523.64, 3850590.85	0.01767	0.0158	0.01462	0.01591	0.01031	3.32E-05	1.386E-06	3.1578E-08	1.152E-08	3.46E-05	4.07E-05	1.70E-06	3.12E-08	6.45E-09	4.24E-05	3.59E-05	1.307E-06	3.026E-08	6.66E-09	3.722E-05
5620 479606.74, 3850632.57	0.01816	0.01632	0.01505	0.01635	0.01059	3.41E-05	1.432E-06	3.2452E-08	1.183E-08	3.56E-05	4.18E-05	1.75E-06	3.20E-08	6.62E-09	4.36E-05	3.69E-05	1.35E-06	3.11E-08	6.841E-09	3.826E-05
5621 479777.37, 3850707.61	0.01922	0.01751	0.01606	0.01736	0.01129	3.61E-05	1.536E-06	3.4456E-08	1.261E-08	3.77E-05	4.43E-05	1.88E-06	3.40E-08	7.06E-09	4.62E-05	3.90E-05	1.448E-06	3.302E-08	7.293E-09	4.051E-05
5622 479864.9, 3850740.95	0.01988	0.0182	0.01664	0.01803	0.01183	3.74E-05	1.597E-06	3.5786E-08	1.322E-08	3.90E-05	4.58E-05	1.96E-06	3.53E-08	7.40E-09	4.78E-05	4.04E-05	1.505E-06	3.43E-08	7.642E-09	4.191E-05
5623 479931.87, 3850829.57	0.02037	0.01853	0.01688	0.01839	0.01204	3.83E-05	1.626E-06	3.6501E-08	1.345E-08	4.00E-05	4.69E-05	1.99E-06	3.60E-08	7.53E-09	4.89E-05	4.14E-05	1.532E-06	3.498E-08	7.777E-09	4.293E-05
5624 479995.55, 3850926.75	0.0209	0.0189	0.01706	0.01877	0.01235	3.93E-05	1.658E-06	3.7255E-08	1.38E-08	4.10E-05	4.81E-05	2.03E-06	3.68E-08	7.72E-09	5.02E-05	4.24E-05	1.563E-06	3.571E-08	7.978E-09	4.404E-05
5625 480079.78, 3850968.64	0.02156	0.01955	0.01761	0.0194	0.01298	4.05E-05	1.715E-06	3.8505E-08	1.45E-08	4.23E-05	4.96E-05	2.10E-06	3.80E-08	8.12E-09	5.18E-05	4.38E-05	1.617E-06	3.69E-08	8.385E-09	4.544E-05
5626 480164.01, 3851010.54	0.02222	0.02021	0.01818	0.02002	0.01365	4.18E-05	1.773E-06	3.9736E-08	1.525E-08	4.36E-05	5.12E-05	2.17E-06	3.92E-08	8.54E-09	5.34E-05	4.51E-05	1.671E-06	3.808E-08	8.817E-09	4.683E-05
5627 480248.23, 3851052.43	0.02286	0.02088	0.01877	0.02066	0.01437	4.30E-05	1.832E-06	4.1006E-08	1.606E-08	4.48E-05	5.26E-05	2.24E-06	4.05E-08	8.99E-09	5.49E-05	4.64E-05	1.727E-06	3.93E-08	9.283E-09	4.819E-05
5628 480332.46, 3851094.33	0.02352	0.02157	0.01939	0.02132	0.01506	4.42E-05	1.892E-06	4.2316E-08	1.683E-08	4.62E-05	5.42E-05	2.32E-06	4.18E-08	9.42E-09	5.65E-05	4.78E-05	1.784E-06	4.056E-08	9.728E-09	4.959E-05
5629 480416.69, 3851136.22	0.02416	0.02231	0.02005	0.02203	0.01569	4.54E-05	1.957E-06	4.3725E-08	1.753E-08	4.74E-05	5.56E-05	2.40E-06	4.32E-08	9.81E-09	5.81E-05	4.91E-05	1.845E-06	4.191E-08	1.014E-08	5.095E-05
5630 480579.95, 3851215.17	0.02547	0.02371	0.02135	0.02346	0.01714	4.79E-05	2.08E-06	4.6564E-08	1.915E-08	5.00E-05	5.87E-05	2.55E-06	4.60E-08	1.07E-08	6.13E-05	5.17E-05	1.961E-06	4.463E-08	1.107E-08	5.373E-05
5631 480658.98, 3851252.22	0.02613	0.02435	0.02198	0.02417	0.01793	4.91E-05	2.136E-06	4.7973E-08	2.003E-08	5.13E-05	6.02E-05	2.62E-06	4.73E-08	1.12E-08	6.28E-05	5.31E-05	2.014E-06	4.598E-08	1.158E-08	5.513E-05
5632 480817.36, 3851327.85	0.02741	0.02558	0.02322	0.02561	0.01952	5.15E-05	2.244E-06	5.0831E-08	2.181E-08	5.38E-05	6.31E-05	2.75E-06	5.02E-08	1.22E-08	6.59E-05	5.57E-05	2.115E-06	4.872E-08	1.261E-08	5.783E-05
5633 480896.72, 3851366.43	0.02806	0.02616	0.02384	0.02634	0.02029	5.27E-05	2.295E-06	5.228E-08	2.267E-08	5.51E-05	6.46E-05	2.81E-06	5.16E-08	1.27E-08	6.75E-05	5.70E-05	2.163E-06	5.011E-08	1.311E-08	5.92E-05
5634 480976.07, 3851405	0.02869	0.0267	0.02443	0.02705	0.02105	5.39E-05	2.342E-06	5.3689E-08	2.352E-08	5.63E-05	6.61E-05	2.87E-06	5.30E-08	1.32E-08	6.90E-05	5.83E-05	2.208E-06	5.146E-08	1.36E-08	6.052E-05
5635 481178, 3851487.31	0.03019	0.02774	0.02576	0.02873	0.02288	5.67E-05	2.434E-06	5.7024E-08	2.556E-08	5.92E-05	6.95E-05	2.98E-06	5.63E-08	1.43E-08	7.26E-05	6.13E-05	2.294E-06	5.465E-08	1.478E-08	6.366E-05
5636 481244.9, 3851557.17	0.03099	0.02843	0.02635	0.0294	0.02344	5.82E-05	2.494E-06	5.8354E-08	2.619E-08	6.08E-05	7.14E-05	3.06E-06	5.76E-08	1.47E-08	7.45E-05	6.29E-05	2.351E-06	5.593E-08	1.514E-08	6.534E-05
5637 481311.81, 3851627.03	0.03184	0.02918	0.02699	0.03012	0.02398	5.98E-05	2.56E-06	5.9783E-08	2.679E-08	6.25E-05	7.33E-05	3.14E-06	5.90E-08	1.50E-08	7.65E-05	6.46E-05	2.413E-06	5.73E-08	1.549E-08	6.713E-05
5638 481378.71, 3851696.89	0.03275	0.02997	0.02766	0.03087	0.02451	6.15E-05	2.629E-06	6.1271E-08	2.739E-08	6.43E-05	7.54E-05	3.22E-06	6.05E-08	1.53E-08	7.87E-05	6.65E-05	2.478E-06	5.872E-08	1.583E-08	6.905E-05
5639 481445.61, 3851766.76	0.03369	0.03079	0.02836	0.03165	0.02508	6.33E-05	2.701E-06	6.2819E-08	2.802E-08	6.61E-05	7.76E-05	3.31E-06	6.20E-08	1.57E-08	8.10E-05	6.84E-05	2.546E-06	6.021E-08	1.62E-08	7.103E-05
5640 481512.51, 3851836.62	0.0347	0.03169	0.02911	0.03249	0.02563	6.52E-05	2.78E-06	6.4487E-08	2.864E-08	6.81E-05	7.99E-05	3.41E-06	6.36E-08	1.60E-08	8.34E-05	7.05E-05	2.621E-06	6.18E-08	1.656E-08	7.315E-05
5641 481579.42, 3851906.48	0.03578	0.03264	0.0299	0.03337	0.0262	6.72E-05	2.863E-06	6.6233E-08	2.927E-08	7.02E-05	8.24E-05	3.51E-06	6.54E-08	1.64E-08	8.60E-05	7.26E-05	2.699E-06	6.348E-08	1.692E-08	7.543E-05
5642 481646.32, 3851976.34	0.03691	0.03363	0.03071	0.03429	0.02681	6.94E-05	2.95E-06	6.8059E-08	2.996E-08	7.24E-05	8.50E-05	3.62E-06	6.72E-08	1.68E-08	8.87E-05	7.49E-05	2.781E-06	6.523E-08	1.732E-08	7.78E-05
5643 481713.22, 3852046.2	0.03815	0.03478	0.03165	0.03532	0.02728	7.17E-05	3.051E-06	7.0104E-08	3.048E-08	7.48E-05	8.79E-05	3.74E-06	6.92E-08	1.71E-08	9.17E-05	7.75E-05	2.876E-06	6.719E-08	1.762E-08	8.042E-05
5644 481780.12, 3852116.06	0.03941	0.03583	0.03251	0.03629	0.02801	7.41E-05	3.143E-06	7.2029E-08	3.13E-08	7.73E-05	9.08E-05	3.85E-06	7.11E-08	1.75E-08	9.47E-05	8.00E-05	2.963E-06	6.903E-08	1.809E-08	8.307E-05
5645 481847.03, 3852185.92	0.04073	0.03685	0.03335	0.03724	0.02888	7.65E-05	3.233E-06	7.3915E-08	3.227E-08	7.99E-05	9.38E-05	3.96E-06	7.30E-08	1.81E-08	9.78E-05	8.27E-05	3.047E-06	7.084E-08	1.866E-08	8.583E-05
5646 481913.93, 3852255.78	0.04207	0.03788	0.0342	0.0382	0.02979	7.91E-05	3.323E-06	7.582E-08	3.328E-08	8.25E-05	9.69E-05	4.07E-06	7.48E-08	1.86E-08	1.01E-04	8.54E-05	3.133E-06	7.267E-08	1.924E-08	8.864E-05
5647 481980.83, 3852325.65	0.04337	0.03886	0.035	0.03914	0.03076	8.15E-05	3.409E-06	7.7686E-08	3.437E-08	8.50E-05	9.99E-05	4.18E-06	7.67E-08	1.92E-08	1.04E-04	8.81E-05	3.214E-06	7.445E-08	1.987E-08	9.137E-05
5648 482047.73, 3852395.51	0.04491	0.04009	0.03599	0.04025	0.03164	8.44E-05	3.517E-06	7.9889E-08	3.535E-08	8.80E-05	1.03E-04	4.31E-06	7.88E-08	1.98E-08	1.08E-04	9.12E-05	3.315E-06	7.657E-08	2.044E-08	9.46E-05
5649 482114.64, 3852465.37	0.0464	0.04122	0.0369	0.0413	0.0326	8.72E-05	3.616E-06	8.1973E-08	3.642E-08	9.09E-05	1.07E-04	4.43E-06	8.09E-08	2.04E-08	1.11E-04	9.42E-05	3.409E-06	7.856E-08	2.106E-08	9.772E-05
5650 482181.54, 3852535.23	0.04829	0.04276	0.03811	0.04265	0.03349	9.07E-05	3.751E-06	8.4652E-08	3.742E-08	9.46E-05	1.11E-04	4.60E-06	8.35E-08	2.09E-08	1.16E-04	9.80E-05	3.536E-06	8.113E-08	2.163E-08	0.0001017
5651 482338.69, 3852700.05	0.05301	0.0465	0.04102	0.0459	0.03585	9.96E-05	4.079E-06	9.1103E-08	4.006E-08	1.04E-04	1.22E-04	5.00E-06	8.99E-08	2.24E-08	1.27E-04	1.08E-04	3.845E-06	8.731E-08	2.316E-08	0.0001116
5652 482404.05, 3852767.78	0.05525	0.04826	0.04237	0.0474	0.03691	1.04E-04	4.234E-06	9.408E-08	4.124E-08	1.08E-04	1.27E-04	5.19E-06	9.29E-08	2.31E-08	1.33E-04	1.12E-04	3.991E-06	9.017E-08	2.384E-08	0.0001163
5653 482469.4, 3852835.52	0.05771	0.05015	0.0438	0.049	0.03802	1.08E-04	4.399E-06	9.7256E-08	4.248E-08	1.13E-04	1.33E-04	5.39E-06	9.60E-08	2.38E-08	1.38E-04	1.17E-04	4.147E-06	9.321E-08	2.456E-08	0.0001214
5654 482534.75, 3852903.25	0.06067	0.05235	0.04546	0.05081	0.03915	1.14E-04	4.592E-06	1.0085E-07	4.374E-08	1.19E-04	1.40E-04	5.63E-06	9.95E-08	2.45E-08	1.45E-04	1.23E-04	4.329E-06	9.665E-08	2.529E-08	0.0001276
5655 482600.11, 3852970.99	0.06399	0.05456	0.0471	0.05263	0.04038	1.20E-04	4.786E-06	1.0446E-07	4.512E-08	1.25E-04	1.47E-04	5.87E-06	1.03E-07	2.53E-08	1.53E-04	1.30E-04	4.512E-06	1.001E-07	2.608E-08	0.0001346
5656 482706.71, 3853119.28	0.0737	0.06058	0.05099	0.05658	0.04219	1.38E-04	5.314E-06	1.123E-07	4.714E-08	1.44E-04	1.70E-04	6.51E-06	1.11E-07	2.64E-08	1.76E-04	1.50E-04	5.01E-06	1.076E-07	2.725E-08	0.0001548
5657 482747.96, 3853199.84	0.08019	0.06398	0.05281	0.05826	0.04273	1.51E-04	5.613E-06	1.1564E-07	4.774E-08	1.56E-04	1.85E-04	6.88E-06	1.14E-07	2.67E-08	1.92E-04	1.63E-04	5.291E-06	1.108E-07	2.76E-08	0.0001682
5658 482789.21, 3853280.4	0.08858	0.06754	0.05461	0.05986	0.0432	1.66E-04	5.925E-06	1.1881E-07	4.827E-08	1.73E-04	2.04E-04	7.26E-06	1.17E-07	2.70E-08	2.11E-04	1.80E-04	5.585E-06	1.139E-07	2.791E-08	0.0001856
5659 482830.46, 3853360.96	0.10055	0.0716	0.05661	0.0616	0.04352	1.89E-04	6.281E-06	1.2226E-07	4.863E-08	1.95E-04	2.32E-04	7.70E-06	1.21E-07	2.72E-08	2.39E-04	2.04E-04	5.921E-06	1.172E-07	2.811E-08	0.0002102
5660 482871.71, 3853441.52	0.11997	0.07601	0.05873	0.0634	0.04378	2.25E-04	6.668E-06	1.2584E-07	4.892E-08	2.32E-04	2.76E-04	8.17E-06	1.24E-07	2.74E-08	2.85E-04	2.44E-04	6.286E-06	1.206E-07	2.828E-08	0.00025
5661 482912.95, 3853522.07	0.19288	0.08149	0.06143	0.06567	0.04374	3.62E-04	7.149E-06	1.3034E-07	4.887E-08	3.70E-04	4.44E-04	8.76E-06	1.29E-07	2.74E-08	4.53E-04	3.92E-04	6.739E-06	1.249E-07	2.825E-08	0.0003985
5662 482954.2, 3853602.63	0.59671	0.08742	0.06429	0.06808	0.04377	1.12E-03	7.669E-06	1.3513E-07	4.89E-08	1.13E-03	1.37E-03	9.40E-06	1.33E-07	2.74E-08	1.38E-03	1.21E-03	7.23E-06	1.295E-07	2.827E-08	0.0012189
5663 482995.45, 3853683.19	0.74378	0.09419	0.06759	0.07086	0.04381	1.40E-03	8.263E-06	1.4064E-07	4.895E-08	1.41E-03	1.71E-03	1.01E-05	1.39E-07	2.74E-08	1.72E-03	1.51E-03	7.789E-06	1.348E-07	2.83E-08	0.0015181
5664 483036.7, 3853763.75	0.75315	0.1017	0.07126	0.07402	0.04412	1.42E-03	8.922E-06	1.4692E-07	4.93E-08	1.42E-03	1.73E-03	1.09E-05	1.45E-07	2.76E-08	1.75E-03	1.53E-03	8.41E-06	1.408E-07	2.85E-08	0.0015378
5665 483214.2, 3853909.91	0.50808	0.13131	0.08705	0.08842	0.04504	9.55E-04	1.152E-05	1.755E-07	5.032E-08	9.67E-04	1.17E-03	1.41E-05	1.73E-07	2.82E-08	1.18E-03	1.03E-03	1.086E-05	1.682E-07	2.909E-08	0.0010427
5666 483307.01, 3853910.44	0.43873	0.13616	0.09176	0.0944	0.04898	8.24E-04	1.194E-05	1.8737E-07	5.473E-08	8.37E-04	1.01E-03	1.46E-05	1.85E-07	3.06E-08	1.03E-03	8.91E-04	1.126E-05	1.796E-07	3.164E-08	0.0009023
5667 483399.83, 3853910.96	0.38609	0.13904	0.09617	0.10067	0.05294	7.26E-04	1.22E-05	1.9981E-07	5.915E-08	7.38E-04	8.89E-04	1.49E-05	1.97E-07	3.31E-08	9.04E-04	7.84E-04	1.15E-05	1.915E-07	3.42E-08	0.0007956
5668 483494.52, 3854009.24	0.38767	0.15963	0.10676	0.11061	0.05612	7.29E-04	1.4E-05	2.1954E-07	6.27E-08	7.43E-04	8.93E-04	1.72E-05	2.17E-07	3.51E-08	9.10E-04	7.87E-04	1.32E-05	2.104E-07	3.625E-08	0.0008006
5669 483496.41, 3854106.98	0.42962	0.18297	0.11464	0.11476	0.05521	8.07E-04	1.605E-05	2.2778E-07	6.169E-08	8.24E-04	9.89E-04	1.97E-05	2.25E-07	3.45E-08	1.01E-03	8.72E-04	1.513E-05	2.183E-07	3.566E-08	0.0008877
5670 483577.56, 3854261.96	0.47646	0.24742	0.14015	0.13258	0.05333	8.95E-04	2.171E-05	2.6315E-07	5.959E-08	9.17E-04	1.10E-03	2.66E-05	2.60E-07	3.34E-08	1.12E-03	9.67E-04	2.046E-05	2.522E-07	3.445E-08	0.0009881
5671 483656.83, 3854319.19	0.47804	0.28622	0.15614	0.14588	0.05249	8.98E-04	2.511E-05	2.8954E-07	5.865E-08	9.24E-04	1.10E-03	3.08E-05	2.86E-07	3.28E-08	1.13E-03	9.71E-04	2.367E-05	2.775E-07	3.391E-08	0.0009946
5672 483736.1, 3854376.41	0.49023	0.32794	0.16978	0.1603	0.05145	9.21E-04	2.877E-05	3.1817E-07	5.749E-08	9.50E-04	1.13E-03	3.53E-05	3.14E-07	3.22E-08	1.16E-03	9.95E-04	2.712E-05	3.049E-07	3.324E-08	0.0010228
5673 483815.37, 3854433.64	0.51418	0.36048	0.18483	0.17594	0.05067	9.66E-04	3.162E-05	3.4921E-07	5.661E-08	9.98E-04	1.18E-03	3.88E-05	3.45E-07	3.17E-08	1.22E-03	1.04E-03	2.981E-05	3.347E-07	3.273E-08	0.0010742
5674 483894.63, 3854490.87	0.54998	0.39561	0.19808	0.19186	0.04994	1.03E-03	3.471E-05	3.8081E-07	5.58E-08	1.07E-03	1.27E-03	4.25E-05	3.76E-07	3.12E-08	1.31E-03	1.12E-03	3.272E-05	3.65E-07	3.226E-08	0.0011498
5675 483973.9, 3854548.1	0.60892	0.42904	0.21014	0.20863	0.04983	1.14E-03	3.764E-05	4.1409E-07	5.568E-08	1.18E-03	1.40E-03	4.61E-05	4.09E-07	3.12E-08	1.45E-03	1.24E-03	3.548E-05	3.969E-07	3.219E-08	0.0012722
5676 484053.17, 3854605.32	0.73244	0.487	0.23204	0.23094	0.05144	1.38E-03	4.272E-05	4.5837E-07	5.747E-08	1.42E-03	1.69E-03	5.24E-05	4.52E-07	3.22E-08	1.74E-03	1.49E-03	4.027E-05	4.393E-07	3.323E-08	0.0015279

5677 484214.97, 3854698.15	1.26723	0.76081	0.33891	0.2925	0.05619	2.38E-03	6.674E-05	5.8056E-07	6.278E-08	2.45E-03	2.92E-03	8.18E-05	5.73E-07	3.51E-08	3.00E-03	2.57E-03	6.292E-05	5.564E-07	3.63E-08	0.0026365								
5678 484297.5, 3854733.74	1.64345	1.14844	0.46593	0.34724	0.06153	3.09E-03	0.0001007	6.8921E-07	6.875E-08	3.19E-03	3.78E-03	1.23E-04	6.80E-07	3.85E-08	3.91E-03	3.34E-03	9.497E-05	6.605E-07	3.975E-08	0.0034325								
5679 484380.03, 3854769.34	1.97181	1.67791	0.61536	0.39497	0.06549	3.71E-03	0.0001472	7.8394E-07	7.317E-08	3.85E-03	4.54E-03	1.80E-04	7.74E-07	4.10E-08	4.72E-03	4.00E-03	0.0001388	7.513E-07	4.23E-08	0.0041431								
5680 484462.56, 3854804.94	2.53385	2.5103	0.8402	0.48491	0.07342	4.76E-03	0.0002202	9.6246E-07	8.203E-08	4.98E-03	5.83E-03	2.70E-04	9.50E-07	4.59E-08	6.11E-03	5.14E-03	0.0002076	9.224E-07	4.743E-08	0.0053532								
5681 484545.09, 3854840.53	3.04021	3.39623	1.05094	0.5952	0.07837	5.71E-03	0.0002979	1.1814E-06	8.756E-08	6.01E-03	7.00E-03	3.65E-04	1.17E-06	4.90E-08	7.37E-03	6.17E-03	0.0002809	1.132E-06	5.062E-08	0.0064548								
5682 484691.88, 3854912.59	3.67206	5.76311	1.5266	1.9741	0.0972	6.90E-03	0.0005056	3.9182E-06	1.086E-07	7.41E-03	8.46E-03	6.20E-04	3.87E-06	6.08E-08	9.08E-03	7.46E-03	0.0004766	3.755E-06	6.279E-08	0.0079361								
5683 484830.81, 3855012.51	3.35471	6.73553	2.0396	3.2256	0.13002	6.30E-03	0.0005909	6.4022E-06	1.453E-07	6.90E-03	7.73E-03	7.24E-04	6.32E-06	8.13E-08	8.46E-03	6.81E-03	0.000557	6.136E-06	8.399E-08	0.0073746								
5684 484905.48, 3855075.97	3.4146	5.70562	2.37196	3.6161	0.17987	6.42E-03	0.0005005	7.1773E-06	2.01E-07	6.92E-03	7.86E-03	6.13E-04	7.08E-06	1.12E-07	8.48E-03	6.93E-03	0.0004718	6.879E-06	1.162E-07	0.0074118								
5685 484980.14, 3855139.44	3.45999	4.29014	2.59183	3.86477	0.42289	6.50E-03	0.0003764	7.6709E-06	4.725E-07	6.89E-03	7.97E-03	4.61E-04	7.57E-06	2.64E-07	8.44E-03	7.03E-03	0.0003548	7.352E-06	2.732E-07	0.0073875								
5686 485054.81, 3855202.91	3.46691	3.11335	2.70121	4.00558	0.84786	6.52E-03	0.0002731	7.9503E-06	9.473E-07	6.80E-03	7.98E-03	3.35E-04	7.85E-06	5.30E-07	8.33E-03	7.04E-03	0.0002575	7.62E-06	5.477E-07	0.0073048								
5687 485129.48, 3855266.37	3.39238	2.25676	2.67828	3.97522	1.13954	6.37E-03	0.000198	7.8901E-06	1.273E-06	6.58E-03	7.81E-03	2.43E-04	7.79E-06	7.13E-07	8.06E-03	6.89E-03	0.0001866	7.562E-06	7.361E-07	0.0070827								
5688 485204.15, 3855329.84	3.48126	1.77754	2.84549	4.15852	1.36979	6.54E-03	0.0001559	8.2539E-06	1.53E-06	6.71E-03	8.02E-03	1.91E-04	8.15E-06	8.57E-07	8.22E-03	7.07E-03	0.000147	7.911E-06	8.848E-07	0.0072241								
5689 485278.82, 3855393.31	3.47557	1.38487	2.89127	4.20299	1.50488	6.53E-03	0.0001215	8.3422E-06	1.681E-06	6.66E-03	8.00E-03	1.49E-04	8.23E-06	9.41E-07	8.16E-03	7.06E-03	0.0001145	7.995E-06	9.721E-07	0.0071802								
5690 485353.48, 3855456.77	3.5019	1.11239	3.08203	4.28045	1.61056	6.58E-03	9.759E-05	8.4959E-06	1.8E-06	6.69E-03	8.06E-03	1.20E-04	8.39E-06	1.01E-06	8.19E-03	7.11E-03	9.199E-05	8.142E-06	1.04E-06	0.0072114								
5691 485428.15, 3855520.24	3.47937	0.91447	3.10353	4.27191	1.66896	6.54E-03	8.022E-05	8.479E-06	1.865E-06	6.63E-03	8.01E-03	9.83E-05	8.37E-06	1.04E-06	8.12E-03	7.06E-03	7.563E-05	8.126E-06	1.078E-06	0.0071493								
5692 485502.82, 3855583.71	3.47047	0.7695	3.1261	4.27853	1.71327	6.52E-03	6.751E-05	8.4921E-06	1.914E-06	6.60E-03	7.99E-03	8.27E-05	8.38E-06	1.07E-06	8.08E-03	7.05E-03	6.364E-05	8.139E-06	1.107E-06	0.0071193								
5693 485577.49, 3855647.17	3.51469	0.66169	3.17521	4.37645	1.78003	6.60E-03	5.805E-05	8.6864E-06	1.989E-06	6.67E-03	8.09E-03	7.11E-05	8.57E-06	1.11E-06	8.17E-03	7.14E-03	5.472E-05	8.325E-06	1.15E-06	0.0072003								
5694 485652.16, 3855710.64	3.54051	0.57783	3.20823	4.44025	1.84531	6.65E-03	5.069E-05	8.8131E-06	2.062E-06	6.71E-03	8.15E-03	6.21E-05	8.70E-06	1.15E-06	8.23E-03	7.19E-03	4.779E-05	8.446E-06	1.192E-06	0.007246								
5695 485726.83, 3855774.11	3.53345	0.51269	3.21619	4.43316	1.86893	6.64E-03	4.498E-05	8.799E-06	2.088E-06	6.70E-03	8.14E-03	5.51E-05	8.68E-06	1.17E-06	8.20E-03	7.17E-03	4.24E-05	8.433E-06	1.207E-06	0.0072263								
5696 485801.49, 3855837.57	3.50016	0.46189	3.2144	4.38463	1.86444	6.58E-03	4.052E-05	8.7027E-06	2.083E-06	6.63E-03	8.06E-03	4.97E-05	8.59E-06	1.17E-06	8.12E-03	7.11E-03	3.82E-05	8.341E-06	1.204E-06	0.0071544								
5697 485876.16, 3855901.04	3.5049	0.42186	3.21777	4.39383	1.87704	6.59E-03	3.701E-05	8.7209E-06	2.097E-06	6.63E-03	8.07E-03	4.54E-05	8.61E-06	1.17E-06	8.13E-03	7.12E-03	3.489E-05	8.358E-06	1.213E-06	0.0071607								
5698 485950.83, 3855964.5	3.48299	0.39063	3.21415	4.37619	1.87018	6.55E-03	3.427E-05	8.6859E-06	2.09E-06	6.59E-03	8.02E-03	4.20E-05	8.57E-06	1.17E-06	8.07E-03	7.07E-03	3.23E-05	8.325E-06	1.208E-06	0.0071136								
5699 486025.5, 3856027.97	3.43617	0.36584	3.19872	4.31634	1.83815	6.46E-03	3.209E-05	8.5671E-06	2.054E-06	6.50E-03	7.91E-03	3.93E-05	8.46E-06	1.15E-06	7.96E-03	6.98E-03	3.025E-05	8.211E-06	1.187E-06	0.0070164								
5700 486100.17, 3856091.44	3.50982	0.34845	3.21653	4.467	1.90587	6.60E-03	3.057E-05	8.8662E-06	2.129E-06	6.64E-03	8.08E-03	3.75E-05	8.75E-06	1.19E-06	8.13E-03	7.13E-03	2.882E-05	8.497E-06	1.231E-06	0.0071648								
5701 486174.83, 3856154.9	3.44084	0.33472	3.20158	4.35881	1.85396	6.47E-03	2.936E-05	8.6514E-06	2.071E-06	6.51E-03	7.92E-03	3.60E-05	8.54E-06	1.16E-06	7.97E-03	6.99E-03	2.768E-05	8.292E-06	1.198E-06	0.0070234								
5702 486249.5, 3856218.37	3.276	0.3225	3.13265	4.12377	1.75429	6.16E-03	2.829E-05	8.1849E-06	1.96E-06	6.19E-03	7.54E-03	3.47E-05	8.08E-06	1.10E-06	7.59E-03	6.65E-03	2.667E-05	7.844E-06	1.133E-06	0.0066872								
5703 486324.17, 3856281.84	3.24159	0.31052	2.90006	4.04098	1.68697	6.09E-03	2.724E-05	8.0206E-06	1.885E-06	6.13E-03	7.46E-03	3.34E-05	7.92E-06	1.06E-06	7.51E-03	6.58E-03	2.568E-05	7.687E-06	1.09E-06	0.0066161								
5704 486398.84, 3856345.3	3.35903	0.31402	2.94263	4.23878	1.69924	6.31E-03	2.755E-05	8.4132E-06	1.899E-06	6.35E-03	7.74E-03	3.38E-05	8.30E-06	1.06E-06	7.78E-03	6.82E-03	2.597E-05	8.063E-06	1.098E-06	0.0068552								
5705 486473.51, 3856408.77	3.39012	0.31754	2.9363	4.30526	1.69162	6.37E-03	2.786E-05	8.5451E-06	1.89E-06	6.41E-03	7.81E-03	3.41E-05	8.43E-06	1.06E-06	7.85E-03	6.88E-03	2.626E-05	8.19E-06	1.093E-06	0.0069188								
5706 486548.17, 3856472.24	3.44679	0.32877	3.08785	4.41353	1.70806	6.48E-03	2.884E-05	8.76E-06	1.908E-06	6.52E-03	7.94E-03	3.53E-05	8.65E-06	1.07E-06	7.98E-03	7.00E-03	2.719E-05	8.396E-06	1.103E-06	0.007035								
5707 486622.84, 3856535.7	3.47523	0.34617	3.1088	4.46538	1.72779	6.53E-03	3.037E-05	8.863E-06	1.93E-06	6.57E-03	8.00E-03	3.72E-05	8.75E-06	1.08E-06	8.05E-03	7.06E-03	2.863E-05	8.494E-06	1.116E-06	0.0070943								
5708 486765.48, 3856659.69	3.49716	0.418	3.16421	4.49177	1.80641	6.57E-03	3.667E-05	8.9153E-06	2.018E-06	6.62E-03	8.05E-03	4.49E-05	8.80E-06	1.13E-06	8.11E-03	7.10E-03	3.457E-05	8.544E-06	1.167E-06	0.0071448								
5709 486833.44, 3856720.2	3.52525	0.46768	3.18375	4.5149	1.84177	6.62E-03	4.103E-05	8.9612E-06	2.058E-06	6.68E-03	8.12E-03	5.03E-05	8.84E-06	1.15E-06	8.18E-03	7.16E-03	3.868E-05	8.588E-06	1.19E-06	0.007206								
5710 486901.41, 3856780.72	3.5202	0.53958	3.15417	4.49728	1.89571	6.62E-03	4.734E-05	8.9263E-06	2.118E-06	6.67E-03	8.11E-03	5.80E-05	8.81E-06	1.19E-06	8.17E-03	7.15E-03	4.462E-05	8.555E-06	1.225E-06	0.0072017								
5711 486969.38, 3856841.24	3.50622	0.64241	3.11044	4.48129	1.94186	6.59E-03	5.636E-05	8.8945E-06	2.17E-06	6.66E-03	8.07E-03	6.91E-05	8.78E-06	1.21E-06	8.15E-03	7.12E-03	5.313E-05	8.525E-06	1.254E-06	0.0071819								
5712 487037.34, 3856901.75	3.46541	0.80114	3.06149	4.4609	1.98816	6.51E-03	7.028E-05	8.8541E-06	2.221E-06	6.59E-03	7.98E-03	8.61E-05	8.74E-06	1.24E-06	8.08E-03	7.04E-03	6.625E-05	8.486E-06	1.284E-06	0.0071121								
5713 487271.23, 3856855.51	1.87479	0.63131	1.98077	2.5617	1.40646	3.52E-03	5.538E-05	5.0845E-06	1.571E-06	3.59E-03	4.32E-03	6.79E-05	5.02E-06	8.80E-07	4.39E-03	3.81E-03	5.221E-05	4.873E-06	9.085E-07	0.0038645								
5714 487368.96, 3856857.29	1.63044	0.67825	1.78074	2.25653	1.31226	3.06E-03	5.95E-05	4.4788E-06	1.466E-06	3.13E-03	3.75E-03	7.29E-05	4.42E-06	8.21E-07	3.83E-03	3.31E-03	5.609E-05	4.292E-06	8.477E-07	0.0033716								
5715 487466.68, 3856859.06	1.43899	0.7525	1.61653	2.0106	1.2441	2.70E-03	6.601E-05	3.9907E-06	1.39E-06	2.78E-03	3.31E-03	8.09E-05	3.94E-06	7.78E-07	3.40E-03	2.92E-03	6.223E-05	3.825E-06	8.036E-07	0.0029886								
5716 487636.44, 3856930	1.21137	1.29856	1.47381	1.74137	1.21616	2.28E-03	0.0001139	3.4563E-06	1.359E-06	2.40E-03	2.79E-03	1.40E-04	3.41E-06	7.61E-07	2.93E-03	2.46E-03	0.0001074	3.313E-06	7.856E-07	0.002571								
5717 487709.57, 3856928.43	1.12776	1.31302	1.38276	1.60484	1.1765	2.12E-03	0.0001152	3.1853E-06	1.315E-06	2.24E-03	2.60E-03	1.41E-04	3.14E-06	7.36E-07	2.74E-03	2.29E-03	0.0001086	3.053E-06	7.6E-07	0.0024022								
5718 487782.55, 3856841.96	1.04635	0.88781	1.23623	1.44796	1.04544	1.97E-03	7.788E-05	2.8739E-06	1.168E-06	2.05E-03	2.41E-03	9.54E-05	2.84E-06	6.54E-07	2.51E-03	2.12E-03	7.342E-05	2.754E-06	6.753E-07	0.0022013								
5719 487849.83, 3856754.74	0.9689	0.64599	1.12029	1.31761	0.94256	1.82E-03	5.667E-05	2.6152E-06	1.053E-06	1.88E-03	2.23E-03	6.94E-05	2.58E-06	5.90E-07	2.30E-03	1.97E-03	5.342E-05	2.506E-06	6.089E-07	0.0020238								
5720 487918.03, 3856819.39	0.93581	0.84956	1.11143	1.27798	0.97934	1.76E-03	7.453E-05	2.5366E-06	1.094E-06	1.84E-03	2.15E-03	9.13E-05	2.50E-06	6.13E-07	2.25E-03	1.90E-03	7.026E-05	2.431E-06	6.326E-07	0.0019734								
5721 487918.8, 3856886.37	0.9438	1.10864	1.15305	1.2984	1.04021	1.77E-03	9.726E-05	2.5771E-06	1.162E-06	1.87E-03	2.17E-03	1.19E-04	2.54E-06	6.51E-07	2.30E-03	1.92E-03	9.168E-05	2.47E-06	6.719E-07	0.0020111								
5722 488065.47, 3857127.51	0.86507	2.36172	1.20829	1.11441	1.172	1.63E-03	0.0002072	2.2119E-06	1.309E-06	1.84E-03	1.99E-03	2.54E-04	2.18E-06	7.33E-07	2.25E-03	1.76E-03	0.0001953	2.12E-06	7.571E-07	0.0019546								
5723 488192.19, 3857385.84	0.83948	2.46547	1.26001	0.89679	1.40939	1.58E-03	0.0002163	1.78E-06	1.575E-06	1.80E-03	1.93E-03	2.65E-04	1.76E-06	8.81E-07	2.20E-03	1.70E-03	0.0002039	1.706E-06	9.104E-07	0.001911								
5724 488191.22, 3857473.87	0.86939	2.23923	1.31865	0.86446	1.55346	1.63E-03	0.0001964	1.7158E-06	1.736E-06	1.83E-03	2.00E-03	2.41E-04	1.69E-06	9.72E-07	2.25E-03	1.77E-03	0.0001852	1.644E-06	1.003E-06	0.001953								
5725 488190.24, 3857561.91	0.90643	1.90073	1.37149	0.81924	1.72526	1.70E-03	0.0001667	1.626E-06	1.928E-06	1.87E-03	2.09E-03	2.04E-04	1.60E-06	1.08E-06	2.29E-03	1.84E-03	0.0001572	1.558E-06	1.114E-06	0.0020003								
5726 488158.35, 3857691.13	0.98852	1.41302	1.42629	0.68122	2.10468	1.86E-03	0.000124	1.3521E-06	2.352E-06	1.99E-03	2.28E-03	1.52E-04	1.33E-06	1.32E-06	2.43E-03	2.01E-03	0.0001169	1.296E-06	1.36E-06	0.0021266								
5727 488208.37, 3857816.66	0.89142	0.95984	1.07537	0.44219	2.40064	1.68E-03	8.42E-05	8.7767E-07	2.682E-06	1.76E-03	2.05E-03	1.03E-04	8.66E-07	1.50E-06	2.16E-03	1.81E-03	7.938E-05	8.412E-07	1.551E-06	0.0018917								
5728 488271.97, 3857874.6	0.79234	0.80221	0.86097	0.37116	2.39119	1.49E-03	7.038E-05	7.3668E-07	2.672E-06	1.56E-03	1.82E-03	8.62E-05	7.27E-07	1.50E-06	1.91E-03	1.61E-03	6.634E-05	7.06E-07	1.545E-06	0.0016773								
5729 488463.56, 3857942.31	0.64134	0.6456	0.62585	0.31123	1.80413	1.21E-03	5.664E-05	6.1773E-07	2.016E-06	1.26E-03	1.48E-03	6.94E-05	6.10E-07	1.13E-06	1.55E-03	1.30E-03	5.339E-05	5.92E-07	1.165E-06	0.0013573								
5730 488554.83, 3857940.83	0.60075	0.632	0.59447	0.30918	1.56072	1.13E-03	5.544E-05	6.1367E-07	1.744E-06	1.19E-03	1.38E-03	6.79E-05	6.06E-07	9.76E-07	1.45E-03	1.22E-03	5.227E-05	5.881E-07	1.008E-06	0.0012736								
5731 488646.1, 3857939.36	0.56599	0.61636	0.56628	0.30632	1.37456	1.06E-03	5.407E-05	6.0799E-07	1.536E-06	1.12E-03	1.30E-03	6.63E-05	6.00E-07	8.60E-07	1.37E-03	1.15E-03	5.097E-05	5.827E-07	8.879E-07	0.0012016								
5732 488737.37, 3857937.88	0.53571	0.60021	0.54121	0.30306	1.2277	1.01E-03	5.265E-05	6.0152E-07	1.372E-06	1.06E-03	1.23E-03	6.45E-05	5.94E-07	7.68E-07	1.30E-03	1.09E-03	4.964E-05	5.765E-07	7.931E-07	0.0011387								
5733 488733.59, 3857960.57	0.53289	0.57749	0.52225	0.29282	1.20819	1.00E-03	5.066E-05	5.8119E-07	1.35E-06	1.05E-03	1.23E-03	6.21E-05	5.74E-07	7.56E-07	1.29E-03	1.08E-03	4.776E-05	5.57E-07	7.805E-07	0.0011311								
5734 488638.09, 3857961.57	0.56442	0.59252	0.54599	0.29548	1.36276	1.06E-03	5.198E-05	5.8647E-07	1.523E-06	1.11E-03	1.30E-03	6.37E-05	5.79E-07	8.52E-07	1.36E-03	1.15E-03	4.9E-05	5.621E-07	8.803E-07	0.0011964								
5735 488542.6, 3857962.56	0.60068	0.60603	0.57218	0.29742	1.56443	1.13E-03	5.317E-05	5.9032E-07	1.748E-06	1.18E-03	1.38E-03	6.51E-05	5.83E-07	9.78E-07	1.45E-03	1.22E-03	5.012E-05	5.658E-07	1.011E-06	0.0012713								
5736 488447.1, 3857963.56	0.64344	0.61765	0.60167	0.29867	1.83401	1.21E-03	5.418E-05	5.928E-07	2.049E-06	1.27E-03	1.48E-03	6.64E-05	5.85E-07	1.15E-06	1.55E-03	1.31E-03	5.108E-05	5.681E-07	1.185E-06	0.0013593								
5737 488254.28, 3857890.36	0.79714	0.77151	0.83809	0.3568	2.52916	1.50E-03	6.768E-05	7.0818E-07	2.826E-06	1.57E-03	1.84E-03	8.29E-05	6.99E-07	1.58E-06	1.92E-03	1.62E-03	6.38E-05	6.787E-07	1.634E-06	0.0016846								
5738 488191.69, 3857833.06	0.89923	0.92189	1.0551	0.42314	2.52351	1.69E-03	8.087E-05	8.3985E-07	2.82E-06	1.77E-03	2.07E-03	9.91E-05	8.29E-07	1.58E-06	2.17E-03	1.83E-03	7.624E-05	8.049E-07	1.63E-06	0.0019045								
5739 488129.5, 3857907.43	0.90288	0.7473	0.89118	0.34218	3.39059	1.70E-03	6.556E-05	6.7916E-07	3.788E-06	1.77E-03	2.08E-03	8.03E-05	6.70E-07	2.12E-06	2.16E-03	1.83E-03	6.18E-05	6.509E-07	2.19E-06	0.0018978								
5740 488196.47, 3857968.74	0.79776	0.62664	0.68361	0.29724	3.31262	1.50E-03	5.497E-05	5.8997E-07	3.701E-06	1.56E-03	1.84E-03	6.74E-05	5.82E-07	2.07E-06	1.91E-03	1.62E-03	5.182E-05	5.654E-07	2.14E-06	0.0016743								
5741 488263.44, 3858030.04	0.73255	0.53569	0.54724	0.26465	2.46283	1.38E-03	4.699E-05	5.2528E-07	2.752E-06	1.43E-03	1.69E-03	5.76E-05	5.18E-07	1.54E-06	1.75E-03	1.49E-03	4.43E-05	5.034E-07	1.591E-06	0.0015337								
5742 488400.64, 3858132.9	0.65954	0.42443	0.40367	0.22369	1.27696	1.24E-03	3.723E-05	4.4398E-07	1.427E-06	1.28E-03	1.52E-03	4.56E-05	4.38E-07	7.99E-07	1.57E-03	1.34E-03	3.51E-05	4.255E-07	8.249E-07	0.0013755								
5743 488519.89, 3858218.38	0.63477	0.35312	0.32648	0.19593	0.85049	1.19E-03	3.098E-05	3.8888E-07	9.503E-07	1.23E-03	1.46E-03	3.80E-05	3.84E-07	5.32E-07	1.50E-03	1.29E-03	2.92E-05	3.727E-07	5.494E-07	0.0013189								
5744 488647.97, 3858214.99	0.56466	0.35902	0.32689	0.19588	0.79274	1.06E-03	3.15E-05	3.8879E-07	8.857E-07	1.09E-03	1.30E-03	3.86E-05	3.84E-07	4.96E-07	1.34E-03	1.15E-03	2.969E-05	3.726E-07	5.121E-07	0.001177								
5745 488727.05, 3858167.67	0.52439	0.39455	0.35574	0.21117	0.84735	9.85E-04	3.461E-05	4.1913E-07	9.468E-07	1.02E-03	1.21E-03	4.24E-05	4.14E-07	5.30E-07	1.25E-03	1.06E-03	3.263E-05	4.017E-07	5.474E-07	0.0010983								
5746 488806.12, 3858120.35	0.49721	0.42814	0.38304	0.22816	0.8787	9.34E-04	3.756E-05	4.5286E-07	9.818E-07	9.73E-04	1.14E-03	4.60E-05	4.47E-07	5.50E-07	1.19E-03	1.01E-03	3.541E-05	4.34E-07	5.676E-07	0.0010459								
5747 488885.2, 3858073.03	0.47822	0.45799	0.40762	0.24445	0.88986	8.99E-04	4.018E-05	4.8519E-07	9.943E-07	9.40E-04	1.10E-03	4.92E-05	4.79E-07	5.57E-07	1.15E-03	9.71E-04	3.788E-05	4.65E-07	5.748E-07	0.0010099								
5748 489055.76, 3857991.18	0.44805	0.50141	0.43804	0.26971	0.84732	8.42E-04	4.399E-05	5.3532E-07	9.467E-07	8.87E-04	1.03E-03	5.39E-05	5.28E-07	5.30E-07	1.09E-03	9.10E-04	4.147E-05	5.131E-07	5.473E-07	0.0009522								
5749 489245.39, 3857944.55	0.41893	0.51222	0.43692	0.2788	0.75531	7.87E-04	4.494E-05	5.5337E-07	8.439E-07	8.34E-04	9.65E-04	5.51E-05	5.46E-07	4.72E-07	1.02E-03	8.51E-04	4.236E-05	5.303E-07	4.879E-07	0.000894								
5750 489430.63, 3857930.91	0.3905	0.49265	0.41501	0.27341	0.66899	7.34E-04	4.322E-05	5.4267E-07	7.475E-07	7.78E-04	8.99E-04	5.30E-05	5.36E-07	4.18E-07	9.53E-04	7.93E-04	4.074E-05	5.201E-07	4.321E-07	0.0008346								
5751 489517.74, 3857929.36	0.37791	0.48021	0.4033	0.26921	0.63253	7.10E-04	4.213E-05	5.3433E-07	7.067E-07	7.54E-04	8.70E-04	5.16E-05	5.27E-07	3.96E-07	9.23E-04	7.67E-04	3.971E-05	5.121E-07	4.086E-07	0.0008079								
5752 489604.86, 3857927.82	0.3661	0.46838	0.39258	0.26516	0.59872	6.88E-04	4.109E-05	5.2629E-07	6.69E-07	7.30E-04	8.43E-04	5.04E-05	5.19E-07	3.74E-07	8.94E-04	7.43E-04	3.873E-05	5.044E-07	3.868E-07	0.0007829								
5753 489691.97, 3857926.28	0.35491	0.45577	0.38151	0.26072	0.5694	6.67E-04	3.998E-05	5.1748E-07	6.362E-07	7.08E-04	8.17E-04	4.90E-05	5.11E-07	3.56E-07	8.67E-04	7.21E-04	3.769E-05	4.96E-07	3.678E-07	0.0007592								
5754 489779.08, 3857924.73	0.34431	0.44361	0.37117	0.25639	0.54217	6.47E-04	3.892E-05	5.0889E-07	6.058E-07	6.87E-04	7.93E-04	4.77E-05	5.02E-07	3.39E-07	8.41E-04	6.99E-04	3.669E-05	4.877E-07	3.502E-07	0.0007366								
5755 490017.55, 3857875.09	0.32151	0.42698	0.3568	0.25376	0.48815	6.04E-04	3.746E-05	5.0367E-07	5.454E-07	6.43E-04	7.40E-04	4.59E-05	4.97E-07	3.05E-07	7.87E-04	6.53E-04	3.531E-05	4.827E-07	3.153E-07	0.0006889								
5756 490033.82, 3857960.81	0.31342	0.39464	0.33262	0.2359	0.46528	5.89E-04	3.462E-05	4.6822E-07	5.199E-07	6.25E-04	7.22E-04	4.24E-05	4.62E-07	2.91E-07	7.65E-04	6.36E-04	3.264E-05	4.487E-07	3.006E-07	0.0006697								

5757 489959.15, 3857987.49	0.31914	0.39279	0.33195	0.23372	0.47748	6.00E-04	3.446E-05	4.6389E-07	5.335E-07	6.35E-04	7.35E-04	4.22E-05	4.58E-07	2.99E-07	7.78E-04	6.48E-04	3.248E-05	4.446E-07	3.084E-07	0.0006812
5758 489791.49, 3858016.12	0.33516	0.40232	0.34222	0.23612	0.50677	6.30E-04	3.529E-05	4.6865E-07	5.662E-07	6.66E-04	7.72E-04	4.33E-05	4.63E-07	3.17E-07	8.16E-04	6.81E-04	3.327E-05	4.492E-07	3.274E-07	0.0007145
5759 489698.51, 3858018.07	0.34596	0.41155	0.35076	0.23947	0.53244	6.50E-04	3.61E-05	4.753E-07	5.949E-07	6.87E-04	7.97E-04	4.42E-05	4.69E-07	3.33E-07	8.42E-04	7.02E-04	3.403E-05	4.555E-07	3.439E-07	0.0007373
5760 489605.52, 3858020.02	0.35746	0.42064	0.35945	0.24265	0.56066	6.72E-04	3.69E-05	4.8162E-07	6.264E-07	7.10E-04	8.23E-04	4.52E-05	4.75E-07	3.51E-07	8.69E-04	7.26E-04	3.479E-05	4.616E-07	3.622E-07	0.0007614
5761 489512.53, 3858021.96	0.36969	0.42957	0.36827	0.24564	0.59184	6.95E-04	3.768E-05	4.8755E-07	6.613E-07	7.34E-04	8.51E-04	4.62E-05	4.81E-07	3.70E-07	8.98E-04	7.51E-04	3.552E-05	4.673E-07	3.823E-07	0.000787
5762 489419.55, 3858023.91	0.38265	0.43775	0.3767	0.24813	0.62725	7.19E-04	3.84E-05	4.9249E-07	7.008E-07	7.59E-04	8.81E-04	4.71E-05	4.86E-07	3.92E-07	9.29E-04	7.77E-04	3.62E-05	4.72E-07	4.052E-07	0.000814
5763 489228.47, 3858041.29	0.41093	0.45029	0.39196	0.25037	0.69774	7.72E-04	3.95E-05	4.9694E-07	7.796E-07	8.13E-04	9.46E-04	4.84E-05	4.90E-07	4.36E-07	9.96E-04	8.34E-04	3.724E-05	4.763E-07	4.507E-07	0.0008725
5764 489065.75, 3858085.78	0.43633	0.43516	0.38302	0.23936	0.74844	8.20E-04	3.818E-05	4.7509E-07	8.362E-07	8.59E-04	1.00E-03	4.68E-05	4.69E-07	4.68E-07	1.05E-03	8.86E-04	3.599E-05	4.553E-07	4.835E-07	0.0009228
5765 489001.12, 3858114.86	0.44764	0.42166	0.37212	0.23103	0.75335	8.41E-04	3.699E-05	4.5855E-07	8.417E-07	8.79E-04	1.03E-03	4.53E-05	4.53E-07	4.71E-07	1.08E-03	9.09E-04	3.487E-05	4.395E-07	4.866E-07	0.0009447
5766 488861.89, 3858189.81	0.48227	0.38144	0.33837	0.20806	0.72862	9.06E-04	3.346E-05	4.1296E-07	8.141E-07	9.41E-04	1.11E-03	4.10E-05	4.08E-07	4.56E-07	1.15E-03	9.79E-04	3.154E-05	3.958E-07	4.707E-07	0.0010116
5767 488787.29, 3858235.69	0.51246	0.35007	0.31308	0.19275	0.68947	9.63E-04	3.071E-05	3.8257E-07	7.704E-07	9.95E-04	1.18E-03	3.76E-05	3.78E-07	4.31E-07	1.22E-03	1.04E-03	2.895E-05	3.667E-07	4.454E-07	0.0010703
5768 488712.68, 3858281.57	0.55552	0.32093	0.28956	0.18102	0.63532	1.04E-03	2.815E-05	3.5929E-07	7.099E-07	1.07E-03	1.28E-03	3.45E-05	3.55E-07	3.97E-07	1.31E-03	1.13E-03	2.654E-05	3.443E-07	4.104E-07	0.0011552
5769 488654.39, 3858436.17	0.71022	0.24698	0.22284	0.15576	0.4277	1.33E-03	2.167E-05	3.0915E-07	4.779E-07	1.36E-03	1.64E-03	2.66E-05	3.05E-07	2.68E-07	1.66E-03	1.44E-03	2.042E-05	2.963E-07	2.763E-07	0.001463
5770 488726.31, 3858505.26	0.72025	0.22529	0.20266	0.14602	0.3644	1.35E-03	1.976E-05	2.8982E-07	4.071E-07	1.37E-03	1.66E-03	2.42E-05	2.86E-07	2.28E-07	1.68E-03	1.46E-03	1.863E-05	2.778E-07	2.354E-07	0.0014815
5771 488880.6, 3858599.28	0.66559	0.2009	0.1806	0.13367	0.30173	1.25E-03	1.762E-05	2.6531E-07	3.371E-07	1.27E-03	1.53E-03	2.16E-05	2.62E-07	1.89E-07	1.55E-03	1.35E-03	1.661E-05	2.543E-07	1.949E-07	0.0013685
5772 489008.06, 3858714.75	0.65891	0.17681	0.15924	0.12179	0.24919	1.24E-03	1.551E-05	2.4173E-07	2.784E-07	1.25E-03	1.52E-03	1.90E-05	2.39E-07	1.56E-07	1.54E-03	1.34E-03	1.462E-05	2.317E-07	1.61E-07	0.0013529
5773 489071.48, 3858772.72	0.62758	0.16674	0.15041	0.11662	0.22899	1.18E-03	1.463E-05	2.3147E-07	2.559E-07	1.19E-03	1.45E-03	1.79E-05	2.28E-07	1.43E-07	1.46E-03	1.27E-03	1.379E-05	2.218E-07	1.479E-07	0.0012884
5774 489244.6, 3858920.2	0.34651	0.14481	0.13138	0.10474	0.18943	6.51E-04	1.27E-05	2.0789E-07	2.117E-07	6.64E-04	7.98E-04	1.56E-05	2.05E-07	1.18E-07	8.14E-04	7.04E-04	1.198E-05	1.992E-07	1.224E-07	0.0007158
5775 489239.69, 3858952.23	0.31534	0.14112	0.12813	0.103	0.18355	5.93E-04	1.238E-05	2.0444E-07	2.051E-07	6.05E-04	7.26E-04	1.52E-05	2.02E-07	1.15E-07	7.42E-04	6.40E-04	1.167E-05	1.959E-07	1.186E-07	0.0006522
5776 489121.67, 3858854.49	0.52245	0.15433	0.13955	0.1104	0.2064	9.82E-04	1.354E-05	2.1912E-07	2.306E-07	9.96E-04	1.20E-03	1.66E-05	2.16E-07	1.29E-07	1.22E-03	1.06E-03	1.276E-05	2.1E-07	1.333E-07	0.0010739
5777 489059.59, 3858797.27	0.65687	0.16301	0.14708	0.11506	0.22228	1.23E-03	1.43E-05	2.2837E-07	2.484E-07	1.25E-03	1.51E-03	1.75E-05	2.25E-07	1.39E-07	1.53E-03	1.33E-03	1.348E-05	2.189E-07	1.436E-07	0.0013475
5778 488997.52, 3858740.04	0.70482	0.17276	0.1556	0.12018	0.24074	1.32E-03	1.516E-05	2.3854E-07	2.69E-07	1.34E-03	1.62E-03	1.86E-05	2.35E-07	1.51E-07	1.64E-03	1.43E-03	1.429E-05	2.286E-07	1.555E-07	0.0014457
5779 488935.44, 3858682.82	0.71127	0.18324	0.16481	0.12553	0.26256	1.34E-03	1.608E-05	2.4915E-07	2.934E-07	1.35E-03	1.64E-03	1.97E-05	2.46E-07	1.64E-07	1.66E-03	1.44E-03	1.515E-05	2.388E-07	1.696E-07	0.0014597
5780 488869.17, 3858848.43	1.73827	0.15792	0.14255	0.11359	0.21631	3.27E-03	1.385E-05	2.2546E-07	2.417E-07	3.28E-03	4.00E-03	1.70E-05	2.23E-07	1.35E-07	4.02E-03	3.53E-03	1.306E-05	2.161E-07	1.397E-07	0.0035428
5781 488932.48, 3858892.69	0.83596	0.1514	0.13693	0.1099	0.20465	1.57E-03	1.328E-05	2.1813E-07	2.287E-07	1.58E-03	1.93E-03	1.63E-05	2.15E-07	1.28E-07	1.94E-03	1.70E-03	1.252E-05	2.091E-07	1.322E-07	0.0017102
5782 489063.27, 3858977.17	0.32308	0.14059	0.12761	0.10365	0.18495	6.07E-04	1.233E-05	2.0573E-07	2.066E-07	6.20E-04	7.44E-04	1.51E-05	2.03E-07	1.16E-07	7.59E-04	6.56E-04	1.163E-05	1.972E-07	1.195E-07	0.0006679
5783 489248.2, 3859117.15	0.18961	0.1252	0.11438	0.0945	0.15958	3.56E-04	1.098E-05	1.8757E-07	1.783E-07	3.68E-04	4.37E-04	1.35E-05	1.85E-07	9.98E-08	4.50E-04	3.85E-04	1.035E-05	1.798E-07	1.031E-07	0.0003956
5784 489296.25, 3859049.22	0.22708	0.13038	0.11883	0.09713	0.16691	4.27E-04	1.144E-05	1.9279E-07	1.865E-07	4.39E-04	5.23E-04	1.40E-05	1.90E-07	1.04E-07	5.37E-04	4.61E-04	1.078E-05	1.848E-07	1.078E-07	0.0004721
5785 489353.38, 3858993.97	0.25668	0.13527	0.12316	0.09917	0.17377	4.82E-04	1.187E-05	1.9683E-07	1.942E-07	4.95E-04	5.91E-04	1.45E-05	1.94E-07	1.09E-07	6.06E-04	5.21E-04	1.119E-05	1.886E-07	1.122E-07	0.0005326
5786 489537.25, 3859120.22	0.18225	0.12144	0.11124	0.09087	0.15183	3.42E-04	1.065E-05	1.8036E-07	1.696E-07	3.53E-04	4.20E-04	1.31E-05	1.78E-07	9.50E-08	4.33E-04	3.70E-04	1.004E-05	1.729E-07	9.808E-08	0.0003804
5787 489726.98, 3859246.04	0.14462	0.10939	0.10082	0.08338	0.13443	2.72E-04	9.596E-06	1.6549E-07	1.502E-07	2.82E-04	3.33E-04	1.18E-05	1.63E-07	8.41E-08	3.45E-04	2.94E-04	9.046E-06	1.586E-07	8.684E-08	0.0003029
5788 489911.46, 3859366.33	0.1223	0.10003	0.09269	0.07736	0.12075	2.30E-04	8.775E-06	1.5355E-07	1.349E-07	2.39E-04	2.82E-04	1.08E-05	1.52E-07	7.55E-08	2.93E-04	2.48E-04	8.272E-06	1.472E-07	7.8E-08	0.0002568
5789 490035.3, 3859430.26	0.1128	0.09462	0.08794	0.07371	0.11434	2.12E-04	8.301E-06	1.463E-07	1.278E-07	2.21E-04	2.60E-04	1.02E-05	1.44E-07	7.15E-08	2.70E-04	2.29E-04	7.825E-06	1.402E-07	7.386E-08	0.0002371
5790 490101.11, 3859458.61	0.10915	0.09257	0.08615	0.07226	0.11161	2.05E-04	8.121E-06	1.4342E-07	1.247E-07	2.14E-04	2.51E-04	9.95E-06	1.42E-07	6.98E-08	2.62E-04	2.22E-04	7.655E-06	1.375E-07	7.21E-08	0.0002295
5791 490312.68, 3859560.3	0.09807	0.08601	0.08037	0.06766	0.10296	1.84E-04	7.545E-06	1.3429E-07	1.15E-07	1.92E-04	2.26E-04	9.25E-06	1.33E-07	6.44E-08	2.35E-04	1.99E-04	7.113E-06	1.287E-07	6.651E-08	0.0002064
5792 490401.63, 3859603.12	0.09418	0.08364	0.07827	0.06597	0.0997	1.77E-04	7.337E-06	1.3094E-07	1.114E-07	1.85E-04	2.17E-04	8.99E-06	1.29E-07	6.24E-08	2.26E-04	1.91E-04	6.917E-06	1.255E-07	6.44E-08	0.0001983
5793 490490.57, 3859645.94	0.09066	0.08145	0.07634	0.0644	0.09664	1.70E-04	7.145E-06	1.2782E-07	1.08E-07	1.78E-04	2.09E-04	8.76E-06	1.26E-07	6.04E-08	2.18E-04	1.84E-04	6.736E-06	1.225E-07	6.243E-08	0.000191
5794 490579.51, 3859688.76	0.08749	0.0795	0.07462	0.06299	0.09375	1.64E-04	6.974E-06	1.2502E-07	1.047E-07	1.72E-04	2.01E-04	8.55E-06	1.23E-07	5.86E-08	2.10E-04	1.78E-04	6.575E-06	1.198E-07	6.056E-08	0.0001844
5795 490668.45, 3859731.58	0.08474	0.07787	0.07319	0.06179	0.09099	1.59E-04	6.831E-06	1.2264E-07	1.017E-07	1.66E-04	1.95E-04	8.37E-06	1.21E-07	5.69E-08	2.04E-04	1.72E-04	6.44E-06	1.175E-07	5.878E-08	0.0001787
5796 490757.4, 3859774.4	0.08176	0.07574	0.07128	0.06027	0.08846	1.54E-04	6.644E-06	1.1962E-07	9.884E-08	1.61E-04	1.88E-04	8.14E-06	1.18E-07	5.53E-08	1.97E-04	1.66E-04	6.264E-06	1.146E-07	5.714E-08	0.0001724
5797 491003.53, 3859861.82	0.07653	0.07224	0.0681	0.05749	0.08395	1.44E-04	6.337E-06	1.1411E-07	9.38E-08	1.50E-04	1.76E-04	7.77E-06	1.13E-07	5.25E-08	1.84E-04	1.55E-04	5.974E-06	1.094E-07	5.423E-08	0.0001615
5798 491081.41, 3859879.05	0.07546	0.07161	0.06748	0.05688	0.08333	1.42E-04	6.282E-06	1.129E-07	9.311E-08	1.48E-04	1.74E-04	7.70E-06	1.11E-07	5.21E-08	1.82E-04	1.53E-04	5.922E-06	1.082E-07	5.383E-08	0.0001593
5799 491229.76, 3859917.82	0.07321	0.07014	0.06608	0.05561	0.08188	1.38E-04	6.153E-06	1.1038E-07	9.149E-08	1.44E-04	1.69E-04	7.54E-06	1.09E-07	5.12E-08	1.76E-04	1.49E-04	5.8E-06	1.058E-07	5.289E-08	0.0001546
5800 491300.22, 3859939.35	0.07196	0.06922	0.06522	0.05488	0.08105	1.35E-04	6.072E-06	1.0893E-07	9.056E-08	1.41E-04	1.66E-04	7.44E-06	1.08E-07	5.07E-08	1.73E-04	1.46E-04	5.724E-06	1.044E-07	5.236E-08	0.000152
5801 491350.49, 3860012.03	0.06796	0.06532	0.06176	0.05244	0.07695	1.28E-04	5.73E-06	1.0408E-07	8.598E-08	1.34E-04	1.56E-04	7.02E-06	1.03E-07	4.81E-08	1.64E-04	1.38E-04	5.402E-06	9.975E-08	4.971E-08	0.0001435
5802 491406.82, 3860092.57	0.06417	0.06183	0.05865	0.05022	0.07284	1.21E-04	5.424E-06	9.9677E-08	8.139E-08	1.26E-04	1.48E-04	6.65E-06	9.84E-08	4.56E-08	1.55E-04	1.30E-04	5.113E-06	9.553E-08	4.705E-08	0.0001355
5803 491483.37, 3860121.96	0.06305	0.06101	0.0579	0.04957	0.07177	1.18E-04	5.352E-06	9.8387E-08	8.019E-08	1.24E-04	1.45E-04	6.56E-06	9.71E-08	4.49E-08	1.52E-04	1.28E-04	5.045E-06	9.429E-08	4.636E-08	0.0001332
5804 491559.91, 3860151.36	0.0619	0.06014	0.0571	0.04887	0.07069	1.16E-04	5.276E-06	9.6998E-08	7.898E-08	1.22E-04	1.43E-04	6.47E-06	9.57E-08	4.42E-08	1.49E-04	1.26E-04	4.974E-06	9.296E-08	4.566E-08	0.0001308
5805 491711.81, 3860237.76	0.06017	0.05931	0.05642	0.0482	0.06765	1.13E-04	5.203E-06	9.5668E-08	7.559E-08	1.18E-04	1.39E-04	6.38E-06	9.44E-08	4.23E-08	1.45E-04	1.22E-04	4.905E-06	9.169E-08	4.37E-08	0.0001272
5806 491755.2, 3860319.07	0.05553	0.05438	0.0519	0.04494	0.06383	1.04E-04	4.771E-06	8.9198E-08	7.132E-08	1.09E-04	1.28E-04	5.85E-06	8.80E-08	3.99E-08	1.34E-04	1.13E-04	4.497E-06	8.549E-08	4.123E-08	0.0001174
5807 491704.71, 3860366.54	0.05398	0.05285	0.05055	0.04408	0.06187	1.01E-04	4.636E-06	8.7491E-08	6.913E-08	1.06E-04	1.24E-04	5.68E-06	8.63E-08	3.87E-08	1.30E-04	1.10E-04	4.371E-06	8.385E-08	3.997E-08	0.0001141
5808 491623.43, 3860462.39	0.05093	0.05018	0.04815	0.04248	0.0586	9.57E-05	4.402E-06	8.4315E-08	6.547E-08	1.00E-04	1.17E-04	5.39E-06	8.32E-08	3.67E-08	1.23E-04	1.03E-04	4.15E-06	8.081E-08	3.785E-08	0.0001077
5809 491534.02, 3860439.85	0.05319	0.05268	0.05052	0.04443	0.06001	1.00E-04	4.621E-06	8.8185E-08	6.705E-08	1.05E-04	1.22E-04	5.66E-06	8.70E-08	3.75E-08	1.28E-04	1.08E-04	4.357E-06	8.452E-08	3.876E-08	0.0001125
5810 491313.95, 3860268.18	0.05648	0.05494	0.05251	0.04608	0.0648	1.06E-04	4.82E-06	9.146E-08	7.24E-08	1.11E-04	1.30E-04	5.91E-06	9.03E-08	4.05E-08	1.36E-04	1.15E-04	4.543E-06	8.766E-08	4.186E-08	0.0001193
5811 491187.12, 3860143.56	0.06161	0.05928	0.05645	0.04914	0.06985	1.16E-04	5.2E-06	9.7534E-08	7.804E-08	1.21E-04	1.42E-04	6.37E-06	9.63E-08	4.37E-08	1.48E-04	1.25E-04	4.902E-06	9.348E-08	4.512E-08	0.0001301
5812 491070.43, 3860075.97	0.06474	0.06194	0.05888	0.0511	0.07287	1.22E-04	5.434E-06	1.0142E-07	8.142E-08	1.27E-04	1.49E-04	6.66E-06	1.00E-07	4.56E-08	1.56E-04	1.31E-04	5.122E-06	9.721E-08	4.707E-08	0.0001367
5813 490995.09, 3860039.39	0.06644	0.06336	0.06016	0.05217	0.07456	1.25E-04	5.558E-06	1.0355E-07	8.331E-08	1.31E-04	1.53E-04	6.81E-06	1.02E-07	4.66E-08	1.60E-04	1.35E-04	5.24E-06	9.924E-08	4.816E-08	0.0001403
5814 490919.75, 3860002.8	0.06824	0.06487	0.06153	0.0533	0.07631	1.28E-04	5.691E-06	1.0579E-07	8.526E-08	1.34E-04	1.57E-04	6.97E-06	1.04E-07	4.77E-08	1.64E-04	1.39E-04	5.365E-06	1.014E-07	4.929E-08	0.0001441
5815 490756.81, 3859894.53	0.07429	0.06982	0.066	0.0568	0.08181	1.40E-04	6.125E-06	1.1274E-07	9.141E-08	1.46E-04	1.71E-04	7.51E-06	1.11E-07	5.12E-08	1.79E-04	1.51E-04	5.774E-06	1.08E-07	5.285E-08	0.0001568
5816 490668.07, 3859860.92	0.07597	0.07106	0.0671	0.05779	0.08369	1.43E-04	6.234E-06	1.147E-07	9.351E-08	1.49E-04	1.75E-04	7.64E-06	1.13E-07	5.23E-08	1.83E-04	1.54E-04	5.877E-06	1.099E-07	5.406E-08	0.0001603
5817 490579.34, 3859827.3	0.07796	0.07267	0.06854	0.05903	0.08575	1.47E-04	6.375E-06	1.1716E-07	9.581E-08	1.53E-04	1.80E-04	7.81E-06	1.16E-07	5.36E-08	1.88E-04	1.58E-04	6.01E-06	1.123E-07	5.539E-08	0.0001645
5818 490490.6, 3859793.68	0.07981	0.07407	0.06978	0.06014	0.0879	1.50E-04	6.498E-06	1.1937E-07	9.821E-08	1.57E-04	1.84E-04	7.96E-06	1.18E-07	5.50E-08	1.92E-04	1.62E-04	6.125E-06	1.144E-07	5.678E-08	0.0001683
5819 490401.86, 3859760.07	0.08184	0.07564	0.07117	0.06136	0.09022	1.54E-04	6.636E-06	1.2179E-07	1.008E-07	1.61E-04	1.88E-04	8.13E-06	1.20E-07	5.64E-08	1.97E-04	1.66E-04	6.255E-06	1.167E-07	5.828E-08	0.0001726
5820 490313.12, 3859726.45	0.08418	0.07752	0.07284	0.0628	0.09276	1.58E-04	6.801E-06	1.2465E-07	1.036E-07	1.65E-04	1.94E-04	8.33E-06	1.23E-07	5.80E-08	2.02E-04	1.71E-04	6.411E-06	1.195E-07	5.992E-08	0.0001775
5821 490224.39, 3859692.83	0.08676	0.07963	0.07471	0.06439	0.09552	1.63E-04	6.986E-06	1.278E-07	1.067E-07	1.70E-04	2.00E-04	8.56E-06	1.26E-07	5.97E-08	2.09E-04	1.76E-04	6.585E-06	1.225E-07	6.17E-08	0.0001829
5822 490135.65, 3859659.22	0.08965	0.08202	0.07682	0.06617	0.09851	1.68E-04	7.195E-06	1.3134E-07	1.101E-07	1.76E-04	2.06E-04	8.82E-06	1.30E-07	6.16E-08	2.15E-04	1.82E-04	6.783E-06	1.259E-07	6.363E-08	0.000189
5823 489918.19, 3859559.23	0.09901	0.08906	0.08303	0.07119	0.10754	1.86E-04	7.813E-06	1.413E-07	1.202E-07	1.94E-04	2.28E-04	9.57E-06	1.39E-07	6.73E-08	2.38E-04	2.01E-04	7.365E-06	1.354E-07	6.947E-08	0.0002086
5824 489743.61, 3859486	0.10714	0.09464	0.08793	0.07512	0.11534	2.01E-04	8.302E-06	1.491E-07	1.289E-07	2.10E-04	2.47E-04	1.02E-05	1.47E-07	7.21E-08	2.57E-04	2.18E-04	7.827E-06	1.429E-07	7.451E-08	0.0002256
5825 489660.32, 3859440.27	0.11276	0.09793	0.09081	0.07735	0.12007	2.12E-04	8.591E-06	1.5353E-07	1.342E-07	2.21E-04	2.60E-04	1.05E-05	1.52E-07	7.51E-08	2.70E-04	2.29E-04	8.099E-06	1.471E-07	7.756E-08	0.0002373
5826 489577.04, 3859394.53	0.11914	0.10145	0.09388	0.07969	0.12509	2.24E-04	8.9E-06	1.5817E-07	1.398E-07	2.33E-04	2.74E-04	1.09E-05	1.56E-07	7.82E-08	2.85E-04	2.42E-04	8.39E-06	1.516E-07	8.08E-08	0.0002505
5827 489493.75, 3859348.8	0.12636	0.10502	0.09699	0.08204	0.13041	2.37E-04	9.213E-06	1.6283E-07	1.457E-07	2.47E-04	2.91E-04	1.13E-05	1.61E-07	8.16E-08	3.03E-04	2.57E-04	8.685E-06	1.561E-07	8.424E-08	0.0002655
5828 489321.28, 3859240.02	0.14853	0.11415	0.10493	0.08789	0.14396	2.79E-04	1.001E-05	1.7445E-07	1.608E-07	2.89E-04	3.42E-04	1.23E-05	1.72E-07	9.00E-08	3.55E-04	3.02E-04	9.44E-06	1.672E-07	9.299E-08	0.0003113
5829 489235.41, 3859193.96	0.16177	0.1188	0.10897	0.09082	0.15056	3.04E-04	1.042E-05	1.8026E-07	1.682E-07	3.15E-04	3.73E-04	1.28E-05	1.78E-07	9.42E-08	3.86E-04	3.28E-04	9.825E-06	1.728E-07	9.726E-08	0.0003385
5830 489149.54, 3859147.89	0.17816	0.12275	0.11241	0.0933	0.15764	3.35E-04	1.077E-05	1.8518E-07	1.761E-07	3.46E-04	4.10E-04	1.32E-05	1.83E-07	9.86E-08	4.24E-04	3.62E-04	1.015E-05	1.775E-07	1.018E-07	0.0003722
5831 489063.68, 3859101.82	0.20016	0.12756	0.11659	0.09628	0.16512	3.76E-04	1.119E-05	1.911E-07	1.845E-07	3.88E-04	4.61E-04	1.37E-05	1.89E-07	1.03E-07	4.75E-04	4.06E-04	1.055E-05	1.831E-07	1.067E-07	0.0004172
5832 488977.81, 3859055.75	0.23012	0.13269	0.12105	0.09942	0.17308	4.32E-04	1.164E-05	1.9733E-07	1.934E-07	4.44E-04	5.30E-04	1.43E-05	1.95E-07	1.08E-07	5.44E-04	4.67E-04	1.097E-05	1.891E-07	1.118E-07	0.0004785
5833 488891.94, 3859009.69	0.27022	0.13709	0.12491	0.1021	0.18166	5.08E-04	1.203E-05	2.0265E-07	2.03E-07	5.20E-04	6.22E-04	1.47E-05	2.00E-07	1.14E-07	6.37E-04	5.49E-04	1.134E-05	1.942E-07	1.173E-07	0.0005603
5834 488808, 3859060.73	0.22178	0.13046	0.11936	0.09842	0.17115	4.17E-04	1.144E-05	1.9535E-07	1.912E-07	4.29E-04	5.11E-04	1.40E-05	1.93E-07	1.07E-07	5.25E-04	4.50E-04	1.079E-05	1.872E-07	1.106E-07	0.0004614
5835 488809.93, 3859157.85	0.17397	0.11972	0.1101	0.09193	0.15432	3.27E-04	1.05E-05	1.8246E-07	1.724E-07	3.38E-04	4.01E-04	1.29E-05	1.80E-07	9.65E-08	4.14E-04	3.53E-04	9.901E-06	1.749E-07	9.969E-08	0.0003634
5836 488811.86, 3859254.96	0.14589	0.11005	0.10165	0.08585	0.14004	2.74E-04	9.654E-06	1.704E-07	1.565E-07	2.84E-04	3.36E-04	1.18E-05	1.68E-07	8.76E-08	3.48E-04	2.96E-04	9.101E-06	1.633E-07	9.046E-08	0.0003056

5837 488813.78, 3859352.07	0.12676	0.10152	0.09412	0.08036	0.12787	2.38E-04	8.906E-06	1.595E-07	1.429E-07	2.47E-04	2.92E-04	1.09E-05	1.57E-07	8.00E-08	3.03E-04	2.57E-04	8.396E-06	1.529E-07	8.26E-08	0.000266
5838 488815.71, 3859449.19	0.11296	0.09432	0.08772	0.07568	0.1175	2.12E-04	8.274E-06	1.5021E-07	1.313E-07	2.21E-04	2.60E-04	1.01E-05	1.48E-07	7.35E-08	2.70E-04	2.29E-04	7.8E-06	1.44E-07	7.59E-08	0.0002374
5839 488910.04, 3859547.11	0.10241	0.08848	0.08261	0.07172	0.10929	1.92E-04	7.762E-06	1.4235E-07	1.221E-07	2.00E-04	2.36E-04	9.51E-06	1.40E-07	6.84E-08	2.46E-04	2.08E-04	7.317E-06	1.364E-07	7.06E-08	0.0002155
5840 489002.45, 3859547.91	0.103	0.08922	0.08334	0.07212	0.11	1.94E-04	7.827E-06	1.4314E-07	1.229E-07	2.02E-04	2.37E-04	9.59E-06	1.41E-07	6.88E-08	2.47E-04	2.09E-04	7.378E-06	1.372E-07	7.106E-08	0.0002167
5841 489094.85, 3859548.72	0.10363	0.09007	0.08417	0.07266	0.1107	1.95E-04	7.902E-06	1.4422E-07	1.237E-07	2.03E-04	2.39E-04	9.68E-06	1.42E-07	6.92E-08	2.49E-04	2.10E-04	7.449E-06	1.382E-07	7.151E-08	0.0002181
5842 489230.05, 3859601.87	0.09925	0.08761	0.08207	0.071	0.10716	1.87E-04	7.686E-06	1.4092E-07	1.197E-07	1.94E-04	2.29E-04	9.42E-06	1.39E-07	6.70E-08	2.38E-04	2.02E-04	7.245E-06	1.351E-07	6.922E-08	0.000209
5843 489227.52, 3859680.89	0.09229	0.08286	0.07781	0.0677	0.10076	1.73E-04	7.269E-06	1.3437E-07	1.126E-07	1.81E-04	2.13E-04	8.91E-06	1.33E-07	6.30E-08	2.22E-04	1.87E-04	6.852E-06	1.288E-07	6.509E-08	0.0001944
5844 489133.47, 3859760.29	0.08583	0.07792	0.07329	0.06433	0.09452	1.61E-04	6.836E-06	1.2768E-07	1.056E-07	1.68E-04	1.98E-04	8.38E-06	1.26E-07	5.91E-08	2.06E-04	1.74E-04	6.444E-06	1.224E-07	6.106E-08	0.0001809
5845 489041.96, 3859760.67	0.08545	0.07732	0.07271	0.06405	0.09398	1.61E-04	6.783E-06	1.2713E-07	1.05E-07	1.68E-04	1.97E-04	8.31E-06	1.25E-07	5.88E-08	2.05E-04	1.73E-04	6.394E-06	1.218E-07	6.071E-08	0.0001801
5846 488950.45, 3859761.05	0.08494	0.07664	0.07207	0.06377	0.0933	1.60E-04	6.723E-06	1.2657E-07	1.042E-07	1.67E-04	1.96E-04	8.24E-06	1.25E-07	5.84E-08	2.04E-04	1.72E-04	6.338E-06	1.213E-07	6.027E-08	0.000179
5847 488858.94, 3859761.43	0.08456	0.07603	0.07151	0.06355	0.09254	1.59E-04	6.67E-06	1.2614E-07	1.034E-07	1.66E-04	1.95E-04	8.17E-06	1.24E-07	5.79E-08	2.03E-04	1.72E-04	6.288E-06	1.209E-07	5.978E-08	0.0001782
5848 488767.43, 3859761.82	0.08399	0.07502	0.07065	0.06313	0.09165	1.58E-04	6.581E-06	1.253E-07	1.024E-07	1.65E-04	1.93E-04	8.06E-06	1.24E-07	5.73E-08	2.02E-04	1.71E-04	6.204E-06	1.201E-07	5.92E-08	0.0001769
5849 488675.92, 3859762.2	0.08372	0.0741	0.06997	0.0629	0.09101	1.57E-04	6.501E-06	1.2484E-07	1.017E-07	1.64E-04	1.93E-04	7.97E-06	1.23E-07	5.69E-08	2.01E-04	1.70E-04	6.128E-06	1.197E-07	5.879E-08	0.0001763
5850 488584.41, 3859762.58	0.08323	0.07279	0.06914	0.06252	0.09049	1.56E-04	6.386E-06	1.2409E-07	1.011E-07	1.63E-04	1.92E-04	7.83E-06	1.22E-07	5.66E-08	2.00E-04	1.69E-04	6.02E-06	1.189E-07	5.845E-08	0.0001752
5851 488492.9, 3859762.96	0.08283	0.07156	0.06849	0.06224	0.09015	1.56E-04	6.278E-06	1.2353E-07	1.007E-07	1.62E-04	1.91E-04	7.69E-06	1.22E-07	5.64E-08	1.99E-04	1.68E-04	5.918E-06	1.184E-07	5.823E-08	0.0001743
5852 488402.76, 3859830.95	0.07844	0.06769	0.06543	0.05985	0.08578	1.47E-04	5.938E-06	1.1879E-07	9.584E-08	1.54E-04	1.81E-04	7.28E-06	1.17E-07	5.37E-08	1.88E-04	1.59E-04	5.598E-06	1.138E-07	5.541E-08	0.000165
5853 488404.14, 3859898.55	0.07447	0.06479	0.06281	0.05765	0.08196	1.40E-04	5.684E-06	1.1442E-07	9.158E-08	1.46E-04	1.71E-04	6.97E-06	1.13E-07	5.13E-08	1.79E-04	1.51E-04	5.358E-06	1.097E-07	5.294E-08	0.0001567
5854 488505.18, 3859964.96	0.07144	0.06297	0.06099	0.05612	0.07899	1.34E-04	5.524E-06	1.1139E-07	8.826E-08	1.40E-04	1.65E-04	6.77E-06	1.10E-07	4.94E-08	1.71E-04	1.45E-04	5.208E-06	1.068E-07	5.103E-08	0.0001504
5855 488604.85, 3859963.76	0.07175	0.06397	0.06153	0.05645	0.07932	1.35E-04	5.612E-06	1.1204E-07	8.863E-08	1.41E-04	1.65E-04	6.88E-06	1.11E-07	4.96E-08	1.72E-04	1.46E-04	5.29E-06	1.074E-07	5.124E-08	0.0001511
5856 488704.51, 3859962.56	0.07216	0.0652	0.06224	0.05681	0.07972	1.36E-04	5.72E-06	1.1276E-07	8.907E-08	1.42E-04	1.66E-04	7.01E-06	1.11E-07	4.99E-08	1.73E-04	1.47E-04	5.392E-06	1.081E-07	5.15E-08	0.0001521
5857 488804.18, 3859961.37	0.07266	0.06638	0.06303	0.05719	0.08032	1.37E-04	5.823E-06	1.1351E-07	8.974E-08	1.43E-04	1.67E-04	7.14E-06	1.12E-07	5.02E-08	1.75E-04	1.48E-04	5.49E-06	1.088E-07	5.188E-08	0.0001532
5858 488903.85, 3859960.17	0.07318	0.06735	0.0638	0.05756	0.0811	1.38E-04	5.908E-06	1.1425E-07	9.061E-08	1.44E-04	1.69E-04	7.24E-06	1.13E-07	5.07E-08	1.76E-04	1.49E-04	5.57E-06	1.095E-07	5.239E-08	0.0001543
5859 489003.52, 3859958.97	0.07361	0.06802	0.06439	0.05781	0.08188	1.38E-04	5.967E-06	1.1474E-07	9.149E-08	1.45E-04	1.70E-04	7.31E-06	1.13E-07	5.12E-08	1.77E-04	1.49E-04	5.625E-06	1.1E-07	5.289E-08	0.0001552
5860 489103.18, 3859957.77	0.07399	0.06859	0.06491	0.05801	0.08255	1.39E-04	6.017E-06	1.1514E-07	9.223E-08	1.45E-04	1.70E-04	7.37E-06	1.14E-07	5.16E-08	1.78E-04	1.50E-04	5.672E-06	1.103E-07	5.332E-08	0.0001561
5861 489201.48, 3860046.59	0.07004	0.06564	0.06227	0.0558	0.07852	1.32E-04	5.758E-06	1.1075E-07	8.773E-08	1.38E-04	1.61E-04	7.06E-06	1.09E-07	4.91E-08	1.69E-04	1.42E-04	5.428E-06	1.061E-07	5.072E-08	0.0001478
5862 489200.11, 3860136.61	0.06604	0.0622	0.05918	0.05342	0.07428	1.24E-04	5.457E-06	1.0603E-07	8.299E-08	1.30E-04	1.52E-04	6.69E-06	1.05E-07	4.65E-08	1.59E-04	1.34E-04	5.144E-06	1.016E-07	4.798E-08	0.0001394
5863 489198.74, 3860226.63	0.06247	0.05909	0.05636	0.05121	0.07039	1.17E-04	5.184E-06	1.0164E-07	7.865E-08	1.23E-04	1.44E-04	6.35E-06	1.00E-07	4.40E-08	1.50E-04	1.27E-04	4.887E-06	9.741E-08	4.547E-08	0.0001319
5864 489197.38, 3860316.66	0.05916	0.05613	0.05368	0.04907	0.06674	1.11E-04	4.924E-06	9.7395E-08	7.457E-08	1.16E-04	1.36E-04	6.03E-06	9.61E-08	4.17E-08	1.42E-04	1.20E-04	4.642E-06	9.334E-08	4.311E-08	0.0001249
5865 489196.01, 3860406.68	0.05626	0.05353	0.0513	0.04716	0.06341	1.06E-04	4.696E-06	9.3604E-08	7.085E-08	1.11E-04	1.30E-04	5.75E-06	9.24E-08	3.97E-08	1.35E-04	1.14E-04	4.427E-06	8.971E-08	4.096E-08	0.0001188
5866 489194.64, 3860496.7	0.05338	0.05087	0.04886	0.04516	0.0602	1.00E-04	4.463E-06	8.9634E-08	6.726E-08	1.05E-04	1.23E-04	5.47E-06	8.85E-08	3.77E-08	1.29E-04	1.08E-04	4.207E-06	8.591E-08	3.889E-08	0.0001127
5867 489193.27, 3860586.72	0.05094	0.0486	0.04679	0.04345	0.05733	9.57E-05	4.264E-06	8.624E-08	6.406E-08	1.00E-04	1.17E-04	5.22E-06	8.51E-08	3.59E-08	1.23E-04	1.03E-04	4.019E-06	8.265E-08	3.703E-08	0.0001076
5868 489092.02, 3860678.13	0.04832	0.04575	0.04435	0.04155	0.05417	9.08E-05	4.014E-06	8.2469E-08	6.052E-08	9.50E-05	1.11E-04	4.92E-06	8.14E-08	3.39E-08	1.16E-04	9.81E-05	3.783E-06	7.904E-08	3.499E-08	0.000102
5869 488992.13, 3860679.53	0.04799	0.04501	0.0439	0.0413	0.05382	9.02E-05	3.949E-06	8.1973E-08	6.013E-08	9.43E-05	1.11E-04	4.84E-06	8.09E-08	3.37E-08	1.15E-04	9.74E-05	3.722E-06	7.856E-08	3.477E-08	0.0001013
5870 488892.25, 3860680.92	0.04777	0.0444	0.04357	0.0411	0.05365	8.98E-05	3.895E-06	8.1576E-08	5.994E-08	9.38E-05	1.10E-04	4.77E-06	8.05E-08	3.36E-08	1.15E-04	9.70E-05	3.672E-06	7.818E-08	3.466E-08	0.0001008
5871 488792.36, 3860682.31	0.04756	0.04391	0.04326	0.04086	0.05354	8.94E-05	3.852E-06	8.11E-08	5.982E-08	9.34E-05	1.10E-04	4.72E-06	8.00E-08	3.35E-08	1.14E-04	9.66E-05	3.631E-06	7.773E-08	3.459E-08	0.0001003
5872 488692.48, 3860683.7	0.0475	0.04378	0.0431	0.0407	0.0535	8.93E-05	3.841E-06	8.0782E-08	5.978E-08	9.32E-05	1.09E-04	4.71E-06	7.97E-08	3.35E-08	1.14E-04	9.64E-05	3.621E-06	7.742E-08	3.456E-08	0.0001002
5873 488592.59, 3860685.1	0.04728	0.04373	0.0428	0.04038	0.05325	8.88E-05	3.836E-06	8.0147E-08	5.95E-08	9.28E-05	1.09E-04	4.70E-06	7.91E-08	3.33E-08	1.14E-04	9.60E-05	3.616E-06	7.681E-08	3.44E-08	9.972E-05
5874 488492.71, 3860686.49	0.0475	0.04427	0.04287	0.0404	0.05312	8.93E-05	3.884E-06	8.0187E-08	5.935E-08	9.33E-05	1.09E-04	4.76E-06	7.91E-08	3.32E-08	1.14E-04	9.64E-05	3.661E-06	7.685E-08	3.431E-08	0.0001002
5875 488299.07, 3860762.18	0.04675	0.04462	0.042	0.03972	0.05094	8.79E-05	3.914E-06	7.8837E-08	5.692E-08	9.19E-05	1.08E-04	4.80E-06	7.78E-08	3.19E-08	1.13E-04	9.49E-05	3.69E-06	7.556E-08	3.291E-08	9.872E-05
5876 488205.32, 3860764.09	0.04643	0.04442	0.04148	0.03943	0.05041	8.73E-05	3.897E-06	7.8261E-08	5.632E-08	9.13E-05	1.07E-04	4.78E-06	7.72E-08	3.15E-08	1.12E-04	9.43E-05	3.673E-06	7.501E-08	3.256E-08	9.805E-05
5877 488111.56, 3860766	0.04598	0.04379	0.04083	0.03909	0.04989	8.64E-05	3.842E-06	7.7586E-08	5.574E-08	9.04E-05	1.06E-04	4.71E-06	7.66E-08	3.12E-08	1.11E-04	9.34E-05	3.621E-06	7.436E-08	3.223E-08	9.708E-05
5878 488017.81, 3860767.91	0.04553	0.04289	0.0402	0.0388	0.04946	8.56E-05	3.763E-06	7.7011E-08	5.526E-08	8.95E-05	1.05E-04	4.61E-06	7.60E-08	3.09E-08	1.10E-04	9.24E-05	3.547E-06	7.381E-08	3.195E-08	9.61E-05
5879 487924.06, 3860769.81	0.04522	0.04187	0.0397	0.03863	0.04921	8.50E-05	3.673E-06	7.6673E-08	5.498E-08	8.88E-05	1.04E-04	4.50E-06	7.57E-08	3.08E-08	1.09E-04	9.18E-05	3.463E-06	7.348E-08	3.179E-08	9.538E-05
5880 487830.31, 3860771.72	0.04502	0.04083	0.03934	0.03855	0.04908	8.46E-05	3.582E-06	7.6515E-08	5.484E-08	8.83E-05	1.04E-04	4.39E-06	7.55E-08	3.07E-08	1.08E-04	9.14E-05	3.377E-06	7.333E-08	3.17E-08	9.489E-05
5881 487736.55, 3860773.63	0.04492	0.0399	0.03912	0.03853	0.04906	8.44E-05	3.5E-06	7.6475E-08	5.482E-08	8.80E-05	1.03E-04	4.29E-06	7.55E-08	3.07E-08	1.08E-04	9.12E-05	3.3E-06	7.329E-08	3.169E-08	9.461E-05
5882 487642.8, 3860775.54	0.04499	0.03929	0.03911	0.03864	0.0492	8.45E-05	3.447E-06	7.6693E-08	5.497E-08	8.81E-05	1.04E-04	4.22E-06	7.57E-08	3.08E-08	1.08E-04	9.13E-05	3.249E-06	7.35E-08	3.178E-08	9.47E-05
5883 487549.48, 3860684.71	0.047	0.04068	0.04072	0.04012	0.05162	8.83E-05	3.569E-06	7.9631E-08	5.768E-08	9.20E-05	1.08E-04	4.37E-06	7.86E-08	3.23E-08	1.13E-04	9.54E-05	3.364E-06	7.632E-08	3.334E-08	9.89E-05
5884 487549.91, 3860591.97	0.04878	0.04224	0.04214	0.04136	0.05377	9.17E-05	3.706E-06	8.2092E-08	6.008E-08	9.55E-05	1.12E-04	4.54E-06	8.10E-08	3.36E-08	1.17E-04	9.90E-05	3.493E-06	7.868E-08	3.473E-08	0.0001026
5885 487550.34, 3860499.23	0.05095	0.04414	0.04388	0.04288	0.05629	9.57E-05	3.872E-06	8.5109E-08	6.289E-08	9.98E-05	1.17E-04	4.75E-06	8.40E-08	3.52E-08	1.22E-04	1.03E-04	3.65E-06	8.157E-08	3.636E-08	0.0001072
5886 487550.76, 3860406.49	0.05339	0.04625	0.04582	0.04458	0.05909	1.00E-04	4.057E-06	8.8483E-08	6.602E-08	1.05E-04	1.23E-04	4.97E-06	8.73E-08	3.70E-08	1.28E-04	1.08E-04	3.825E-06	8.48E-08	3.817E-08	0.0001123
5887 487551.19, 3860313.75	0.05583	0.04835	0.04775	0.04625	0.062	1.05E-04	4.242E-06	9.1798E-08	6.927E-08	1.09E-04	1.29E-04	5.20E-06	9.06E-08	3.88E-08	1.34E-04	1.13E-04	3.998E-06	8.798E-08	4.005E-08	0.0001175
5888 487551.62, 3860221.01	0.05857	0.05068	0.0499	0.0481	0.06524	1.10E-04	4.446E-06	9.547E-08	7.289E-08	1.15E-04	1.35E-04	5.45E-06	9.42E-08	4.08E-08	1.40E-04	1.19E-04	4.191E-06	9.15E-08	4.214E-08	0.0001232
5889 487552.05, 3860128.27	0.06191	0.05353	0.0525	0.05035	0.06905	1.16E-04	4.696E-06	9.9935E-08	7.715E-08	1.21E-04	1.43E-04	5.75E-06	9.86E-08	4.32E-08	1.48E-04	1.26E-04	4.427E-06	9.578E-08	4.46E-08	0.0001303
5890 487552.48, 3860035.53	0.06541	0.05649	0.0552	0.05266	0.07312	1.23E-04	4.956E-06	1.0452E-07	8.17E-08	1.28E-04	1.51E-04	6.07E-06	1.03E-07	4.57E-08	1.57E-04	1.33E-04	4.672E-06	1.002E-07	4.723E-08	0.0001376
5891 487552.91, 3859942.79	0.06864	0.05918	0.05766	0.05471	0.07718	1.29E-04	5.192E-06	1.0859E-07	8.623E-08	1.34E-04	1.58E-04	6.36E-06	1.07E-07	4.83E-08	1.65E-04	1.39E-04	4.894E-06	1.041E-07	4.986E-08	0.0001444
5892 487553.33, 3859850.05	0.07292	0.06275	0.06088	0.05742	0.08215	1.37E-04	5.505E-06	1.1397E-07	9.179E-08	1.43E-04	1.68E-04	6.75E-06	1.12E-07	5.14E-08	1.75E-04	1.48E-04	5.189E-06	1.092E-07	5.307E-08	0.0001534
5893 487553.76, 3859757.31	0.07717	0.06626	0.06403	0.06	0.08732	1.45E-04	5.813E-06	1.1909E-07	9.756E-08	1.51E-04	1.78E-04	7.12E-06	1.18E-07	5.46E-08	1.85E-04	1.57E-04	5.48E-06	1.141E-07	5.641E-08	0.0001623
5894 487554.19, 3859664.57	0.08192	0.07012	0.06747	0.06279	0.09305	1.54E-04	6.151E-06	1.2463E-07	1.04E-07	1.60E-04	1.89E-04	7.54E-06	1.23E-07	5.82E-08	1.96E-04	1.66E-04	5.799E-06	1.194E-07	6.011E-08	0.0001723
5895 487460.2, 3859571.05	0.08633	0.07314	0.07102	0.06571	0.09925	1.62E-04	6.416E-06	1.3042E-07	1.109E-07	1.69E-04	1.99E-04	7.86E-06	1.29E-07	6.21E-08	2.07E-04	1.75E-04	6.049E-06	1.25E-07	6.411E-08	0.0001815
5896 487365.78, 3859570.27	0.08567	0.07313	0.07113	0.06576	0.09933	1.61E-04	6.415E-06	1.3052E-07	1.11E-07	1.68E-04	1.97E-04	7.86E-06	1.29E-07	6.21E-08	2.05E-04	1.74E-04	6.048E-06	1.251E-07	6.416E-08	0.0001802
5897 487271.36, 3859569.48	0.08495	0.07395	0.07124	0.06567	0.0995	1.60E-04	6.487E-06	1.3034E-07	1.112E-07	1.66E-04	1.96E-04	7.95E-06	1.29E-07	6.22E-08	2.04E-04	1.72E-04	6.116E-06	1.249E-07	6.427E-08	0.0001788
5898 487176.94, 3859568.7	0.08419	0.0752	0.0713	0.06551	0.09971	1.58E-04	6.597E-06	1.3003E-07	1.114E-07	1.65E-04	1.94E-04	8.08E-06	1.28E-07	6.24E-08	2.02E-04	1.71E-04	6.219E-06	1.246E-07	6.441E-08	0.0001773
5899 487082.51, 3859567.92	0.08354	0.07659	0.07138	0.06546	0.09992	1.57E-04	6.719E-06	1.2993E-07	1.116E-07	1.64E-04	1.92E-04	8.23E-06	1.28E-07	6.25E-08	2.01E-04	1.70E-04	6.334E-06	1.245E-07	6.455E-08	0.0001761
5900 486988.09, 3859567.14	0.08284	0.07779	0.07142	0.0655	0.0999	1.56E-04	6.824E-06	1.3001E-07	1.116E-07	1.63E-04	1.91E-04	8.36E-06	1.28E-07	6.25E-08	1.99E-04	1.68E-04	6.433E-06	1.246E-07	6.453E-08	0.0001748
5901 486893.67, 3859566.36	0.08221	0.07882	0.07154	0.0657	0.09975	1.54E-04	6.915E-06	1.304E-07	1.115E-07	1.62E-04	1.89E-04	8.47E-06	1.29E-07	6.24E-08	1.98E-04	1.67E-04	6.518E-06	1.25E-07	6.444E-08	0.0001736
5902 486799.25, 3859565.58	0.08157	0.07957	0.07168	0.06597	0.09944	1.53E-04	6.98E-06	1.3094E-07	1.111E-07	1.61E-04	1.88E-04	8.55E-06	1.29E-07	6.22E-08	1.97E-04	1.66E-04	6.58E-06	1.255E-07	6.424E-08	0.0001724
5903 486704.83, 3859564.79	0.08097	0.07992	0.07185	0.06627	0.09899	1.52E-04	7.011E-06	1.3153E-07	1.106E-07	1.59E-04	1.86E-04	8.59E-06	1.30E-07	6.19E-08	1.95E-04	1.64E-04	6.609E-06	1.261E-07	6.394E-08	0.0001712
5904 486610.41, 3859564.01	0.0804	0.07982	0.07198	0.06657	0.09836	1.51E-04	7.002E-06	1.3213E-07	1.099E-07	1.58E-04	1.85E-04	8.58E-06	1.30E-07	6.15E-08	1.94E-04	1.63E-04	6.601E-06	1.266E-07	6.354E-08	0.00017
5905 486515.99, 3859563.23	0.07955	0.07918	0.07181	0.06667	0.09735	1.49E-04	6.946E-06	1.3233E-07	1.088E-07	1.57E-04	1.83E-04	8.51E-06	1.31E-07	6.09E-08	1.92E-04	1.62E-04	6.548E-06	1.268E-07	6.289E-08	0.0001683
5906 486421.57, 3859562.45	0.07885	0.0787	0.0717	0.06692	0.09634	1.48E-04	6.904E-06	1.3282E-07	1.076E-07	1.55E-04	1.82E-04	8.46E-06	1.31E-07	6.03E-08	1.90E-04	1.60E-04	6.508E-06	1.273E-07	6.223E-08	0.0001668
5907 486327.14, 3859561.67	0.07829	0.07864	0.07167	0.06729	0.09539	1.47E-04	6.899E-06	1.3356E-07	1.066E-07	1.54E-04	1.80E-04	8.45E-06	1.32E-07	5.97E-08	1.89E-04	1.59E-04	6.503E-06	1.28E-07	6.162E-08	0.0001657
5908 486232.72, 3859560.89	0.07744	0.07867	0.07133	0.06736	0.09419	1.46E-04	6.901E-06	1.337E-07	1.052E-07	1.53E-04	1.78E-04	8.46E-06	1.32E-07	5.89E-08	1.87E-04	1.57E-04	6.506E-06	1.281E-07	6.084E-08	0.0001639
5909 486138.3, 3859560.1	0.07666	0.07904	0.07101	0.06737	0.09302	1.44E-04	6.934E-06	1.3372E-07	1.039E-07	1.51E-04	1.77E-04	8.50E-06	1.32E-07	5.82E-08	1.85E-04	1.56E-04	6.537E-06	1.282E-07	6.009E-08	0.0001624
5910 486043.88, 3859559.32	0.07581	0.07931	0.07056	0.06725	0.09177	1.42E-04	6.958E-06	1.3348E-07	1.025E-07	1.50E-04	1.75E-04	8.53E-06	1.32E-07	5.74E-08	1.83E-04	1.54E-04	6.559E-06	1.279E-07	5.928E-08	0.0001607
5911 485949.35, 3859463.54	0.07849	0.0834	0.07348	0.07034	0.09537	1.47E-04	7.316E-06	1.3961E-07	1.066E-07	1.55E-04	1.81E-04	8.97E-06	1.38E-07	5.96E-08	1.90E-04	1.59E-04	6.897E-06	1.338E-07	6.161E-08	0.0001665
5912 485949.24, 3859368.55	0.08237	0.08792	0.07727	0.07392	0.10076	1.55E-04	7.713E-06	1.4672E-07	1.126E-07	1.63E-04	1.90E-04	9.45E-06	1.45E-07	6.30E-08	1.99E-04	1.67E-04	7.271E-06	1.406E-07	6.509E-08	0.0001747
5913 485949.12, 3859273.55	0.08664	0.09278	0.08144	0.07791	0.10693	1.63E-04	8.139E-06	1.5464E-07	1.195E-07	1.71E-04	2.00E-04	9.97E-06	1.53E-07	6.69E-08	2.10E-04	1.76E-04	7.673E-06	1.482E-07	6.907E-08	0.0001838
5914 485949.01, 3859178.56	0.09115	0.09778	0.08588	0.08217	0.11394	1.71E-04	8.578E-06	1.6309E-07	1.273E-07	1.80E-04	2.10E-04	1.05E-05	1.61E-07	7.13E-08	2.21E-04	1.85E-04	8.086E-06	1.563E-07	7.36E-08	0.0001934
5915 485948.9, 3859083.56	0.09625	0.10327	0.09091	0.08705	0.122	1.81E-04	9.06E-06	1.7278E-07	1.363E-07	1.90E-04	2.22E-04	1.11E-05	1.71E-07	7.63E-08	2.33E-04	1.95E-04	8.54E-06	1.656E-07	7.881E-08	0.0002042
5916 485948.79, 3858988.56	0.10138	0.10855	0.09608	0.09207	0.13045	1.91E-04	9.523E-06	1.8274E-07	1.458E-07	2.00E-04	2.33E-04	1.17E-05	1.80E-07	8.16E-08	2.45E-04	2.06E-04	8.977E-06	1.751E-07	8.427E-08	0.0002151

5917 485948.67, 3858893.57	0.10689	0.1139	0.10177	0.09747	0.13935	2.01E-04	9.992E-06	1.9346E-07	1.557E-07	2.11E-04	2.46E-04	1.22E-05	1.91E-07	8.72E-08	2.59E-04	2.17E-04	9.419E-06	1.854E-07	9.002E-08	0.0002267
5918 485948.56, 3858798.57	0.11353	0.12015	0.10873	0.10387	0.14937	2.13E-04	1.054E-05	2.0616E-07	1.669E-07	2.24E-04	2.61E-04	1.29E-05	2.03E-07	9.34E-08	2.75E-04	2.31E-04	9.936E-06	1.976E-07	9.649E-08	0.0002407
5919 485948.45, 3858703.58	0.11981	0.1259	0.11571	0.11007	0.15913	2.25E-04	1.104E-05	2.1847E-07	1.778E-07	2.37E-04	2.76E-04	1.35E-05	2.16E-07	9.95E-08	2.90E-04	2.43E-04	1.041E-05	2.094E-07	1.028E-07	0.000254
5920 485948.34, 3858608.58	0.12742	0.13314	0.12412	0.1177	0.17016	2.39E-04	1.168E-05	2.3361E-07	1.901E-07	2.52E-04	2.93E-04	1.43E-05	2.31E-07	1.06E-07	3.08E-04	2.59E-04	1.101E-05	2.239E-07	1.099E-07	0.0002701
5921 485948.22, 3858513.59	0.13558	0.14106	0.1332	0.12612	0.18193	2.55E-04	1.237E-05	2.5032E-07	2.033E-07	2.68E-04	3.12E-04	1.52E-05	2.47E-07	1.14E-07	3.28E-04	2.75E-04	1.167E-05	2.399E-07	1.175E-07	0.0002873
5922 485948.11, 3858418.59	0.14415	0.14985	0.1428	0.1352	0.19453	2.71E-04	1.315E-05	2.6835E-07	2.174E-07	2.85E-04	3.32E-04	1.61E-05	2.65E-07	1.22E-07	3.48E-04	2.93E-04	1.239E-05	2.572E-07	1.257E-07	0.0003055
5923 485948, 3858323.59	0.15413	0.1618	0.15368	0.14585	0.20915	2.90E-04	1.419E-05	2.8949E-07	2.337E-07	3.04E-04	3.55E-04	1.74E-05	2.86E-07	1.31E-07	3.73E-04	3.13E-04	1.338E-05	2.774E-07	1.351E-07	0.0003267
5924 485947.89, 3858228.6	0.16424	0.17706	0.16485	0.15694	0.22423	3.09E-04	1.553E-05	3.115E-07	2.505E-07	3.25E-04	3.78E-04	1.90E-05	3.07E-07	1.40E-07	3.98E-04	3.33E-04	1.464E-05	2.985E-07	1.448E-07	0.0003486
5925 485947.77, 3858133.6	0.1753	0.19567	0.1771	0.16917	0.2405	3.29E-04	1.717E-05	3.3577E-07	2.687E-07	3.47E-04	4.04E-04	2.10E-05	3.31E-07	1.50E-07	4.25E-04	3.56E-04	1.618E-05	3.218E-07	1.554E-07	0.0003726
5926 485947.66, 3858038.61	0.18953	0.21747	0.19228	0.18495	0.26102	3.56E-04	1.908E-05	3.6709E-07	2.916E-07	3.76E-04	4.36E-04	2.34E-05	3.62E-07	1.63E-07	4.60E-04	3.85E-04	1.798E-05	3.518E-07	1.686E-07	0.0004033
5927 485854.54, 3857943.35	0.19486	0.22258	0.19897	0.19534	0.26776	3.66E-04	1.953E-05	3.8771E-07	2.992E-07	3.86E-04	4.49E-04	2.39E-05	3.83E-07	1.67E-07	4.73E-04	3.96E-04	1.841E-05	3.716E-07	1.73E-07	0.0004146
5928 485761.52, 3857943.09	0.18753	0.20939	0.19138	0.19027	0.25575	3.52E-04	1.837E-05	3.7765E-07	2.858E-07	3.71E-04	4.32E-04	2.25E-05	3.73E-07	1.60E-07	4.55E-04	3.81E-04	1.732E-05	3.619E-07	1.652E-07	0.0003986
5929 485668.51, 3857942.83	0.18134	0.19758	0.18488	0.18616	0.24529	3.41E-04	1.733E-05	3.6949E-07	2.741E-07	3.59E-04	4.18E-04	2.12E-05	3.65E-07	1.53E-07	4.39E-04	3.68E-04	1.634E-05	3.541E-07	1.584E-07	0.000385
5930 485575.5, 3857942.56	0.1748	0.18566	0.17815	0.1815	0.23455	3.28E-04	1.629E-05	3.6024E-07	2.621E-07	3.45E-04	4.03E-04	2.00E-05	3.56E-07	1.47E-07	4.23E-04	3.55E-04	1.535E-05	3.453E-07	1.515E-07	0.0003708
5931 485482.48, 3857942.3	0.16933	0.17498	0.17239	0.17767	0.22521	3.18E-04	1.535E-05	3.5264E-07	2.516E-07	3.34E-04	3.90E-04	1.88E-05	3.48E-07	1.41E-07	4.09E-04	3.44E-04	1.447E-05	3.38E-07	1.455E-07	0.0003588
5932 485389.47, 3857942.04	0.16409	0.16492	0.16686	0.1737	0.21636	3.08E-04	1.447E-05	3.4476E-07	2.417E-07	3.23E-04	3.78E-04	1.77E-05	3.40E-07	1.35E-07	3.96E-04	3.33E-04	1.364E-05	3.304E-07	1.398E-07	0.0003473
5933 485296.46, 3857941.78	0.15916	0.15563	0.16164	0.1697	0.20814	2.99E-04	1.365E-05	3.3682E-07	2.326E-07	3.13E-04	3.67E-04	1.67E-05	3.32E-07	1.30E-07	3.84E-04	3.23E-04	1.287E-05	3.228E-07	1.345E-07	0.0003365
5934 485203.45, 3857941.52	0.15505	0.14754	0.15719	0.16627	0.20093	2.91E-04	1.294E-05	3.3002E-07	2.245E-07	3.05E-04	3.57E-04	1.59E-05	3.26E-07	1.26E-07	3.73E-04	3.15E-04	1.22E-05	3.163E-07	1.298E-07	0.0003275
5935 485110.43, 3857941.26	0.15045	0.13934	0.15232	0.16209	0.19367	2.83E-04	1.222E-05	3.2172E-07	2.164E-07	2.95E-04	3.46E-04	1.50E-05	3.18E-07	1.21E-07	3.62E-04	3.05E-04	1.152E-05	3.083E-07	1.251E-07	0.0003174
5936 485017.42, 3857940.99	0.14579	0.13143	0.14744	0.15771	0.18669	2.74E-04	1.153E-05	3.1303E-07	2.086E-07	2.86E-04	3.36E-04	1.41E-05	3.09E-07	1.17E-07	3.50E-04	2.96E-04	1.087E-05	3E-07	1.206E-07	0.0003073
5937 484924.41, 3857940.73	0.14138	0.12412	0.14284	0.15352	0.18008	2.66E-04	1.089E-05	3.0471E-07	2.012E-07	2.77E-04	3.26E-04	1.33E-05	3.01E-07	1.13E-07	3.39E-04	2.87E-04	1.026E-05	2.92E-07	1.163E-07	0.0002977
5938 484831.39, 3857940.47	0.13748	0.11777	0.13879	0.14983	0.17394	2.58E-04	1.033E-05	2.9738E-07	1.943E-07	2.69E-04	3.17E-04	1.27E-05	2.94E-07	1.09E-07	3.30E-04	2.79E-04	9.739E-06	2.85E-07	1.124E-07	0.0002893
5939 484738.12, 3857859.3	0.13926	0.11376	0.14053	0.15333	0.17504	2.62E-04	9.98E-06	3.0433E-07	1.956E-07	2.72E-04	3.21E-04	1.22E-05	3.00E-07	1.09E-07	3.33E-04	2.83E-04	9.408E-06	2.917E-07	1.131E-07	0.0002926
5940 484737.85, 3857778.4	0.14555	0.1163	0.14695	0.16125	0.18278	2.74E-04	1.02E-05	3.2005E-07	2.042E-07	2.84E-04	3.35E-04	1.25E-05	3.16E-07	1.14E-07	3.48E-04	2.96E-04	9.618E-06	3.067E-07	1.181E-07	0.0003056
5941 484737.59, 3857697.49	0.15197	0.11912	0.15357	0.1693	0.19083	2.86E-04	1.045E-05	3.3603E-07	2.132E-07	2.97E-04	3.50E-04	1.28E-05	3.32E-07	1.19E-07	3.63E-04	3.09E-04	9.851E-06	3.221E-07	1.233E-07	0.0003189
5942 484737.32, 3857616.59	0.1584	0.12186	0.16028	0.17753	0.19919	2.98E-04	1.069E-05	3.5236E-07	2.226E-07	3.09E-04	3.65E-04	1.31E-05	3.48E-07	1.25E-07	3.78E-04	3.22E-04	1.008E-05	3.377E-07	1.287E-07	0.0003322
5943 484645.53, 3857535.18	0.16012	0.11993	0.16223	0.18079	0.19983	3.01E-04	1.052E-05	3.5883E-07	2.233E-07	3.12E-04	3.69E-04	1.29E-05	3.54E-07	1.25E-07	3.82E-04	3.25E-04	9.918E-06	3.439E-07	1.291E-07	0.0003355
5944 484553.99, 3857534.67	0.15479	0.11575	0.1568	0.17477	0.19162	2.91E-04	1.015E-05	3.4689E-07	2.141E-07	3.02E-04	3.56E-04	1.24E-05	3.42E-07	1.20E-07	3.69E-04	3.14E-04	9.572E-06	3.325E-07	1.238E-07	0.0003243
5945 484462.46, 3857534.17	0.15018	0.11279	0.15211	0.16945	0.18405	2.82E-04	9.895E-06	3.3633E-07	2.056E-07	2.93E-04	3.46E-04	1.21E-05	3.32E-07	1.15E-07	3.58E-04	3.05E-04	9.328E-06	3.223E-07	1.189E-07	0.0003147
5946 484370.93, 3857533.66	0.14564	0.11026	0.14748	0.16406	0.1767	2.74E-04	9.673E-06	3.2563E-07	1.974E-07	2.84E-04	3.35E-04	1.19E-05	3.21E-07	1.11E-07	3.48E-04	2.96E-04	9.118E-06	3.121E-07	1.141E-07	0.0003052
5947 484279.4, 3857533.16	0.1414	0.10814	0.14317	0.15891	0.16964	2.66E-04	9.487E-06	3.1541E-07	1.895E-07	2.76E-04	3.26E-04	1.16E-05	3.11E-07	1.06E-07	3.38E-04	2.87E-04	8.943E-06	3.023E-07	1.096E-07	0.0002965
5948 484187.86, 3857532.65	0.13716	0.10609	0.13884	0.15371	0.16277	2.58E-04	9.307E-06	3.0509E-07	1.819E-07	2.68E-04	3.16E-04	1.14E-05	3.01E-07	1.02E-07	3.28E-04	2.78E-04	8.774E-06	2.924E-07	1.051E-07	0.0002877
5949 484096.33, 3857532.15	0.13338	0.1045	0.13498	0.14906	0.15636	2.51E-04	9.167E-06	2.9586E-07	1.747E-07	2.60E-04	3.07E-04	1.12E-05	2.92E-07	9.78E-08	3.19E-04	2.71E-04	8.642E-06	2.835E-07	1.01E-07	0.0002798
5950 484004.8, 3857531.64	0.12932	0.10277	0.1308	0.1441	0.15025	2.43E-04	9.016E-06	2.8601E-07	1.679E-07	2.52E-04	2.98E-04	1.10E-05	2.82E-07	9.40E-08	3.09E-04	2.63E-04	8.499E-06	2.741E-07	9.706E-08	0.0002714
5951 483913.27, 3857531.14	0.12499	0.10076	0.12633	0.13884	0.1444	2.35E-04	8.839E-06	2.7557E-07	1.613E-07	2.44E-04	2.88E-04	1.08E-05	2.72E-07	9.03E-08	2.99E-04	2.54E-04	8.333E-06	2.641E-07	9.328E-08	0.0002625
5952 483821.73, 3857530.63	0.12122	0.09894	0.12243	0.1342	0.13894	2.28E-04	8.68E-06	2.6636E-07	1.552E-07	2.37E-04	2.79E-04	1.06E-05	2.63E-07	8.69E-08	2.90E-04	2.46E-04	8.182E-06	2.553E-07	8.975E-08	0.0002546
5953 483729.61, 3857450.11	0.12139	0.09937	0.12253	0.13425	0.13748	2.28E-04	8.717E-06	2.6646E-07	1.536E-07	2.37E-04	2.80E-04	1.07E-05	2.63E-07	8.60E-08	2.91E-04	2.46E-04	8.218E-06	2.554E-07	8.881E-08	0.000255
5954 483729.03, 3857370.08	0.12594	0.1028	0.12717	0.13958	0.14159	2.37E-04	9.018E-06	2.7704E-07	1.582E-07	2.46E-04	2.90E-04	1.11E-05	2.73E-07	8.86E-08	3.01E-04	2.56E-04	8.501E-06	2.655E-07	9.146E-08	0.0002646
5955 483728.44, 3857290.06	0.13012	0.10617	0.13143	0.14444	0.14568	2.45E-04	9.314E-06	2.8669E-07	1.628E-07	2.54E-04	3.00E-04	1.14E-05	2.83E-07	9.11E-08	3.11E-04	2.64E-04	8.78E-06	2.748E-07	9.41E-08	0.0002733
5956 483727.86, 3857210.03	0.13429	0.10964	0.13572	0.1493	0.14983	2.52E-04	9.618E-06	2.9633E-07	1.674E-07	2.62E-04	3.09E-04	1.18E-05	2.92E-07	9.37E-08	3.21E-04	2.73E-04	9.067E-06	2.84E-07	9.679E-08	0.0002821
5957 483641.15, 3857129.07	0.13458	0.11156	0.13594	0.14931	0.14752	2.53E-04	9.787E-06	2.9635E-07	1.648E-07	2.63E-04	3.10E-04	1.20E-05	2.92E-07	9.23E-08	3.22E-04	2.73E-04	9.226E-06	2.84E-07	9.529E-08	0.0002829
5958 483555.03, 3857128.14	0.13036	0.10988	0.13148	0.14408	0.14133	2.45E-04	9.639E-06	2.8597E-07	1.579E-07	2.55E-04	3.00E-04	1.18E-05	2.82E-07	8.84E-08	3.12E-04	2.65E-04	9.087E-06	2.741E-07	9.129E-08	0.0002741
5959 483468.91, 3857127.2	0.12559	0.10779	0.12639	0.13818	0.13543	2.36E-04	9.456E-06	2.7426E-07	1.513E-07	2.46E-04	2.89E-04	1.16E-05	2.71E-07	8.47E-08	3.01E-04	2.55E-04	8.914E-06	2.629E-07	8.748E-08	0.0002643
5960 483382.78, 3857126.26	0.12217	0.10677	0.12271	0.13382	0.13008	2.30E-04	9.367E-06	2.6561E-07	1.453E-07	2.39E-04	2.81E-04	1.15E-05	2.62E-07	8.14E-08	2.93E-04	2.48E-04	8.83E-06	2.546E-07	8.403E-08	0.0002572
5961 483296.66, 3857125.32	0.11838	0.10515	0.11862	0.12895	0.12495	2.22E-04	9.224E-06	2.5594E-07	1.396E-07	2.32E-04	2.73E-04	1.13E-05	2.53E-07	7.81E-08	2.84E-04	2.40E-04	8.696E-06	2.453E-07	8.071E-08	0.0002494
5962 483210.54, 3857124.39	0.11454	0.10308	0.11445	0.124	0.12007	2.15E-04	9.043E-06	2.4612E-07	1.342E-07	2.25E-04	2.64E-04	1.11E-05	2.43E-07	7.51E-08	2.75E-04	2.33E-04	8.525E-06	2.359E-07	7.756E-08	0.0002414
5963 483123.4, 3857030.96	0.11451	0.10467	0.11404	0.12304	0.11836	2.15E-04	9.182E-06	2.4421E-07	1.322E-07	2.25E-04	2.64E-04	1.13E-05	2.41E-07	7.40E-08	2.75E-04	2.32E-04	8.656E-06	2.341E-07	7.646E-08	0.0002415
5964 483122.38, 3856938.46	0.11851	0.10901	0.118	0.12716	0.12126	2.23E-04	9.563E-06	2.5239E-07	1.355E-07	2.33E-04	2.73E-04	1.17E-05	2.49E-07	7.58E-08	2.85E-04	2.41E-04	9.015E-06	2.419E-07	7.833E-08	0.00025
5965 483121.35, 3856845.97	0.12264	0.11375	0.12207	0.13133	0.12407	2.30E-04	9.979E-06	2.6067E-07	1.386E-07	2.41E-04	2.82E-04	1.22E-05	2.57E-07	7.76E-08	2.95E-04	2.49E-04	9.407E-06	2.498E-07	8.015E-08	0.0002587
5966 483120.33, 3856753.47	0.12591	0.11798	0.12519	0.13447	0.12686	2.37E-04	1.035E-05	2.669E-07	1.417E-07	2.47E-04	2.90E-04	1.27E-05	2.63E-07	7.93E-08	3.03E-04	2.56E-04	9.757E-06	2.558E-07	8.195E-08	0.0002657
5967 483119.31, 3856660.98	0.12927	0.12237	0.12836	0.13767	0.12952	2.43E-04	1.074E-05	2.7325E-07	1.447E-07	2.54E-04	2.98E-04	1.32E-05	2.70E-07	8.10E-08	3.11E-04	2.62E-04	1.012E-05	2.619E-07	8.367E-08	0.0002729
5968 483118.29, 3856568.49	0.13314	0.12708	0.13198	0.14142	0.13198	2.50E-04	1.115E-05	2.8069E-07	1.475E-07	2.62E-04	3.07E-04	1.37E-05	2.77E-07	8.25E-08	3.21E-04	2.70E-04	1.051E-05	2.69E-07	8.525E-08	0.0002812
5969 483117.26, 3856475.99	0.13737	0.13183	0.13587	0.14552	0.13427	2.58E-04	1.157E-05	2.8883E-07	1.5E-07	2.70E-04	3.16E-04	1.42E-05	2.85E-07	8.40E-08	3.31E-04	2.79E-04	1.09E-05	2.768E-07	8.673E-08	0.0002902
5970 483116.24, 3856383.5	0.14137	0.13613	0.13939	0.14929	0.13644	2.66E-04	1.194E-05	2.9631E-07	1.524E-07	2.78E-04	3.26E-04	1.46E-05	2.92E-07	8.53E-08	3.41E-04	2.87E-04	1.126E-05	2.84E-07	8.814E-08	0.0002987
5971 483115.22, 3856291.01	0.14559	0.14067	0.14296	0.15315	0.13822	2.74E-04	1.234E-05	3.0397E-07	1.544E-07	2.86E-04	3.35E-04	1.51E-05	3.00E-07	8.64E-08	3.51E-04	2.96E-04	1.163E-05	2.913E-07	8.929E-08	0.0003076
5972 483114.2, 3856198.51	0.14942	0.14505	0.14593	0.15636	0.1392	2.81E-04	1.272E-05	3.1035E-07	1.555E-07	2.94E-04	3.44E-04	1.56E-05	3.06E-07	8.71E-08	3.60E-04	3.03E-04	1.2E-05	2.974E-07	8.992E-08	0.0003158
5973 483113.17, 3856106.02	0.15455	0.15127	0.15004	0.16069	0.13889	2.90E-04	1.327E-05	3.1894E-07	1.552E-07	3.04E-04	3.56E-04	1.63E-05	3.15E-07	8.69E-08	3.73E-04	3.14E-04	1.251E-05	3.057E-07	8.972E-08	0.0003267
5974 483112.15, 3856013.52	0.15893	0.15812	0.1531	0.16373	0.13782	2.99E-04	1.387E-05	3.2497E-07	1.54E-07	3.13E-04	3.66E-04	1.70E-05	3.21E-07	8.62E-08	3.83E-04	3.23E-04	1.308E-05	3.115E-07	8.903E-08	0.0003362
5975 483029.25, 3855920.47	0.15721	0.16339	0.14947	0.15928	0.12953	2.95E-04	1.433E-05	3.1614E-07	1.447E-07	3.10E-04	3.62E-04	1.76E-05	3.12E-07	8.10E-08	3.80E-04	3.19E-04	1.351E-05	3.03E-07	8.367E-08	0.0003331
5976 482947.37, 3855919.91	0.15075	0.15857	0.14274	0.15195	0.12339	2.83E-04	1.391E-05	3.0159E-07	1.379E-07	2.98E-04	3.47E-04	1.70E-05	2.98E-07	7.72E-08	3.65E-04	3.06E-04	1.311E-05	2.89E-07	7.971E-08	0.0003196
5977 482865.49, 3855919.36	0.14447	0.15385	0.13627	0.14485	0.11778	2.71E-04	1.35E-05	2.875E-07	1.316E-07	2.85E-04	3.33E-04	1.65E-05	2.84E-07	7.37E-08	3.50E-04	2.93E-04	1.272E-05	2.755E-07	7.608E-08	0.0003064
5978 482783.61, 3855918.8	0.13914	0.14993	0.13085	0.13871	0.11256	2.61E-04	1.315E-05	2.7531E-07	1.258E-07	2.75E-04	3.20E-04	1.61E-05	2.72E-07	7.04E-08	3.37E-04	2.83E-04	1.24E-05	2.639E-07	7.271E-08	0.0002952
5979 482700.33, 3855818.39	0.13724	0.15387	0.1269	0.13274	0.10663	2.58E-04	1.35E-05	2.6346E-07	1.191E-07	2.72E-04	3.16E-04	1.65E-05	2.60E-07	6.67E-08	3.33E-04	2.79E-04	1.272E-05	2.525E-07	6.888E-08	0.0002917
5980 482698.92, 3855718.54	0.14113	0.16068	0.12843	0.13284	0.1054	2.65E-04	1.41E-05	2.6366E-07	1.178E-07	2.80E-04	3.25E-04	1.73E-05	2.60E-07	6.59E-08	3.43E-04	2.87E-04	1.329E-05	2.527E-07	6.809E-08	0.0003002
5981 482697.52, 3855618.68	0.1443	0.16375	0.12868	0.13199	0.104	2.71E-04	1.437E-05	2.6198E-07	1.162E-07	2.86E-04	3.32E-04	1.76E-05	2.59E-07	6.50E-08	3.50E-04	2.93E-04	1.354E-05	2.511E-07	6.718E-08	0.0003068
5982 482696.11, 3855518.83	0.14813	0.16513	0.12903	0.13145	0.10177	2.78E-04	1.449E-05	2.609E-07	1.137E-07	2.93E-04	3.41E-04	1.78E-05	2.58E-07	6.37E-08	3.59E-04	3.01E-04	1.366E-05	2.501E-07	6.574E-08	0.0003147
5983 482694.71, 3855418.98	0.15086	0.16437	0.12779	0.12988	0.09975	2.83E-04	1.442E-05	2.5779E-07	1.115E-07	2.98E-04	3.47E-04	1.77E-05	2.54E-07	6.24E-08	3.65E-04	3.06E-04	1.359E-05	2.471E-07	6.444E-08	0.0003202
5984 482693.3, 3855319.13	0.15353	0.16441	0.12623	0.12827	0.09761	2.89E-04	1.442E-05	2.5459E-07	1.091E-07	3.03E-04	3.54E-04	1.77E-05	2.51E-07	6.10E-08	3.72E-04	3.12E-04	1.36E-05	2.44E-07	6.305E-08	0.0003256
5985 482691.9, 3855219.27	0.15707	0.16644	0.12509	0.12665	0.09499	2.95E-04	1.46E-05	2.5138E-07	1.061E-07	3.10E-04	3.62E-04	1.79E-05	2.48E-07	5.94E-08	3.80E-04	3.19E-04	1.376E-05	2.409E-07	6.136E-08	0.000333
5986 482690.49, 3855119.42	0.16035	0.16859	0.12323	0.12392	0.09212	3.01E-04	1.479E-05	2.4596E-07	1.029E-07	3.16E-04	3.69E-04	1.81E-05	2.43E-07	5.76E-08	3.88E-04	3.26E-04	1.394E-05	2.357E-07	5.951E-08	0.0003398
5987 482689.09, 3855019.57	0.16587	0.17273	0.12244	0.1221	0.08829	3.12E-04	1.515E-05	2.4235E-07	9.865E-08	3.27E-04	3.82E-04	1.86E-05	2.39E-07	5.52E-08	4.01E-04	3.37E-04	1.428E-05	2.323E-07	5.703E-08	0.0003514
5988 482687.68, 3854919.72	0.17053	0.17495	0.1199	0.11882	0.0843	3.20E-04	1.535E-05	2.3584E-07	9.419E-08	3.36E-04	3.93E-04	1.88E-05	2.33E-07	5.27E-08	4.12E-04	3.46E-04	1.447E-05	2.26E-07	5.446E-08	0.000361
5989 482686.28, 3854819.86	0.17702	0.17759	0.11735	0.11548	0.07949	3.33E-04	1.558E-05	2.2921E-07	8.882E-08	3.49E-04	4.08E-04	1.91E-05	2.26E-07	4.97E-08	4.27E-04	3.59E-04	1.469E-05	2.197E-07	5.135E-08	0.0003744
5990 482684.88, 3854720.01	0.18221	0.17572	0.11257	0.11042	0.07508	3.42E-04	1.542E-05	2.1916E-07	8.389E-08	3.58E-04	4.20E-04	1.89E-05	2.16E-07	4.70E-08	4.39E-04	3.70E-04	1.453E-05	2.1E-07	4.85E-08	0.0003847
5991 482683.47, 3854620.16	0.19105	0.17129	0.10795	0.10565	0.07034	3.59E-04	1.503E-05	2.097E-07	7.859E-08	3.74E-04	4.40E-04	1.84E-05	2.07E-07	4.40E-08	4.59E-04	3.88E-04	1.417E-05	2.01E-07	4.544E-08	0.0004023
5992 482682.07, 3854520.31	0.19917	0.15846	0.10122	0.09982	0.06663	3.74E-04	1.39E-05	1.9812E-07	7.445E-08	3.88E-04	4.59E-04	1.70E-05	1.96E-07	4.17E-08	4.76E-04	4.04E-04	1.31E-05	1.899E-07	4.304E-08	0.0004177
5993 482680.66, 3854420.45	0.20738	0.14192	0.09401	0.0943	0.06364	3.90E-04	1.245E-05	1.8717E-07	7.111E-08	4.02E-04	4.78E-04	1.53E-05	1.85E-07	3.98E-08	4.93E-04	4.21E-04	1.174E-05	1.794E-07	4.111E-08	0.000433
5994 482679.26, 3854320.6	0.21387	0.12693	0.08741	0.08941	0.06121	4.02E-04	1.114E-05	1.7746E-07	6.839E-08	4.13E-04	4.93E-04	1.36E-05	1.75E-07	3.83E-08	5.06E-04	4.34E-04	1.05E-05	1.701E-07	3.954E-08	0.0004449
5995 482677.85, 3854220.75	0.22658	0.11822	0.083	0.08603	0.05804	4.26E-04	1.037E-05	1.7075E-07	6.485E-08	4.36E-04	5.22E-04	1.27E-05	1.69E-07	3.63E-08	5.35E-04	4.60E-04	9.777E-06	1.637E-07	3.749E-08	0.00047
5996 482676.45, 3854120.9	0.22599	0.10888	0.07698	0.08097	0.05565	4.25E-04	9.552E-06	1.6071E-07	6.218E-08	4.34E-04	5.20E-04	1.17E-05	1.59E-07	3.48E-08	5.32E-04	4.59E-04	9.004E-06	1.54E-07	3.595E-08	0.000468

5997 482675.04, 3854021.04	0.22723	0.10047	0.07135	0.07613	0.0523	4.27E-04	8.814E-06	1.511E-07	5.844E-08	4.36E-04	5.23E-04	1.08E-05	1.49E-07	3.27E-08	5.34E-04	4.61E-04	8.309E-06	1.448E-07	3.378E-08	0.0004699
5998 482673.64, 3853921.19	0.22698	0.09084	0.06536	0.07081	0.04865	4.27E-04	7.969E-06	1.4054E-07	5.436E-08	4.35E-04	5.23E-04	9.77E-06	1.39E-07	3.04E-08	5.33E-04	4.61E-04	7.512E-06	1.347E-07	3.143E-08	0.0004685
5999 482672.23, 3853821.34	0.23064	0.0825	0.0604	0.06604	0.0447	4.33E-04	7.237E-06	1.3108E-07	4.994E-08	4.41E-04	5.31E-04	8.87E-06	1.29E-07	2.80E-08	5.40E-04	4.68E-04	6.823E-06	1.256E-07	2.887E-08	0.0004753
6000 482670.83, 3853721.49	0.22698	0.07601	0.05646	0.06168	0.04112	4.27E-04	6.668E-06	1.2242E-07	4.594E-08	4.33E-04	5.23E-04	8.17E-06	1.21E-07	2.57E-08	5.31E-04	4.61E-04	6.286E-06	1.173E-07	2.656E-08	0.0004673
6001 482669.42, 3853621.63	0.20101	0.0719	0.05377	0.05816	0.03847	3.78E-04	6.308E-06	1.1544E-07	4.298E-08	3.84E-04	4.63E-04	7.73E-06	1.14E-07	2.41E-08	4.71E-04	4.08E-04	5.946E-06	1.106E-07	2.485E-08	0.0004142
6002 482645.99, 3853446.13	0.11545	0.06779	0.05126	0.05474	0.03633	2.17E-04	5.947E-06	1.0865E-07	4.059E-08	2.23E-04	2.66E-04	7.29E-06	1.07E-07	2.27E-08	2.73E-04	2.34E-04	5.606E-06	1.041E-07	2.347E-08	0.0002401
6003 482623.97, 3853370.49	0.09712	0.06579	0.05029	0.05375	0.03615	1.83E-04	5.772E-06	1.0668E-07	4.039E-08	1.88E-04	2.24E-04	7.07E-06	1.05E-07	2.26E-08	2.31E-04	1.97E-04	5.441E-06	1.022E-07	2.335E-08	0.0002028
6004 482601.94, 3853294.84	0.08562	0.06385	0.04949	0.05309	0.03628	1.61E-04	5.601E-06	1.0537E-07	4.054E-08	1.67E-04	1.97E-04	6.86E-06	1.04E-07	2.27E-08	2.04E-04	1.74E-04	5.28E-06	1.01E-07	2.344E-08	0.0001792
6005 482531.29, 3853133.44	0.07129	0.05904	0.04734	0.05134	0.03632	1.34E-04	5.179E-06	1.019E-07	4.058E-08	1.39E-04	1.64E-04	6.35E-06	1.01E-07	2.27E-08	1.71E-04	1.45E-04	4.883E-06	9.766E-08	2.346E-08	0.0001497
6006 482482.68, 3853047.69	0.06645	0.05655	0.0461	0.05025	0.03598	1.25E-04	4.961E-06	9.9737E-08	4.02E-08	1.30E-04	1.53E-04	6.08E-06	9.84E-08	2.25E-08	1.59E-04	1.35E-04	4.677E-06	9.559E-08	2.324E-08	0.0001397
6007 482383.09, 3852897.4	0.05922	0.05174	0.04333	0.04762	0.03519	1.11E-04	4.539E-06	9.4517E-08	3.932E-08	1.16E-04	1.36E-04	5.56E-06	9.33E-08	2.20E-08	1.42E-04	1.20E-04	4.279E-06	9.059E-08	2.273E-08	0.0001246
6008 482265.64, 3852765.26	0.05405	0.04791	0.04071	0.04486	0.03361	1.02E-04	4.203E-06	8.9039E-08	3.755E-08	1.06E-04	1.24E-04	5.15E-06	8.79E-08	2.10E-08	1.30E-04	1.10E-04	3.962E-06	8.534E-08	2.171E-08	0.0001138
6009 482199.16, 3852697.66	0.05173	0.04616	0.03943	0.04347	0.03266	9.72E-05	4.049E-06	8.628E-08	3.649E-08	1.01E-04	1.19E-04	4.96E-06	8.52E-08	2.04E-08	1.24E-04	1.05E-04	3.817E-06	8.269E-08	2.11E-08	0.000109
6010 482132.69, 3852630.07	0.04966	0.04458	0.03826	0.04219	0.03174	9.33E-05	3.911E-06	8.3739E-08	3.546E-08	9.74E-05	1.14E-04	4.79E-06	8.26E-08	1.99E-08	1.19E-04	1.01E-04	3.687E-06	8.026E-08	2.05E-08	0.0001046
6011 482066.21, 3852562.48	0.04772	0.04306	0.03712	0.04095	0.03087	8.97E-05	3.778E-06	8.1278E-08	3.449E-08	9.36E-05	1.10E-04	4.63E-06	8.02E-08	1.93E-08	1.15E-04	9.69E-05	3.561E-06	7.79E-08	1.994E-08	0.0001005
6012 481999.74, 3852494.89	0.04587	0.04157	0.03601	0.03974	0.03007	8.62E-05	3.647E-06	7.8877E-08	3.36E-08	9.00E-05	1.06E-04	4.47E-06	7.78E-08	1.88E-08	1.10E-04	9.31E-05	3.438E-06	7.56E-08	1.942E-08	9.667E-05
6013 481933.26, 3852427.29	0.04417	0.04017	0.03494	0.03858	0.02931	8.30E-05	3.524E-06	7.6574E-08	3.275E-08	8.66E-05	1.02E-04	4.32E-06	7.56E-08	1.83E-08	1.06E-04	8.97E-05	3.322E-06	7.339E-08	1.893E-08	9.31E-05
6014 481866.79, 3852359.7	0.04267	0.03896	0.03402	0.03755	0.02853	8.02E-05	3.418E-06	7.453E-08	3.188E-08	8.37E-05	9.83E-05	4.19E-06	7.36E-08	1.78E-08	1.03E-04	8.66E-05	3.222E-06	7.143E-08	1.843E-08	8.995E-05
6015 481800.31, 3852292.11	0.04129	0.03782	0.03314	0.03658	0.02777	7.76E-05	3.318E-06	7.2605E-08	3.103E-08	8.10E-05	9.51E-05	4.07E-06	7.17E-08	1.74E-08	9.92E-05	8.38E-05	3.128E-06	6.958E-08	1.794E-08	8.705E-05
6016 481733.84, 3852224.52	0.03997	0.03671	0.03228	0.03564	0.02705	7.51E-05	3.22E-06	7.0739E-08	3.022E-08	7.84E-05	9.20E-05	3.95E-06	6.98E-08	1.69E-08	9.61E-05	8.12E-05	3.036E-06	6.78E-08	1.747E-08	8.428E-05
6017 481667.36, 3852156.92	0.03878	0.03573	0.03151	0.03478	0.02631	7.29E-05	3.134E-06	6.9032E-08	2.94E-08	7.61E-05	8.93E-05	3.84E-06	6.81E-08	1.65E-08	9.32E-05	7.87E-05	2.955E-06	6.616E-08	1.7E-08	8.178E-05
6018 481600.89, 3852089.33	0.03752	0.03462	0.03064	0.03383	0.02573	7.05E-05	3.037E-06	6.7146E-08	2.875E-08	7.36E-05	8.64E-05	3.72E-06	6.63E-08	1.61E-08	9.02E-05	7.62E-05	2.863E-06	6.435E-08	1.662E-08	7.912E-05
6019 481534.41, 3852021.74	0.03632	0.03353	0.02979	0.03291	0.0252	6.83E-05	2.941E-06	6.532E-08	2.816E-08	7.13E-05	8.36E-05	3.60E-06	6.45E-08	1.58E-08	8.73E-05	7.37E-05	2.773E-06	6.26E-08	1.628E-08	7.66E-05
6020 481467.94, 3851954.15	0.03522	0.03254	0.029	0.03205	0.02466	6.62E-05	2.855E-06	6.3613E-08	2.755E-08	6.91E-05	8.11E-05	3.50E-06	6.28E-08	1.54E-08	8.47E-05	7.15E-05	2.691E-06	6.097E-08	1.593E-08	7.428E-05
6021 481401.46, 3851886.55	0.03423	0.03167	0.02831	0.03128	0.02409	6.43E-05	2.778E-06	6.2085E-08	2.692E-08	6.72E-05	7.88E-05	3.40E-06	6.13E-08	1.51E-08	8.23E-05	6.95E-05	2.619E-06	5.95E-08	1.556E-08	7.219E-05
6022 481265.87, 3851761.43	0.03236	0.02998	0.0269	0.02972	0.02297	6.08E-05	2.63E-06	5.8989E-08	2.566E-08	6.35E-05	7.45E-05	3.22E-06	5.82E-08	1.44E-08	7.78E-05	6.57E-05	2.479E-06	5.653E-08	1.484E-08	6.825E-05
6023 481196.74, 3851703.89	0.03154	0.02925	0.02626	0.02899	0.02234	5.93E-05	2.566E-06	5.754E-08	2.496E-08	6.19E-05	7.26E-05	3.14E-06	5.68E-08	1.40E-08	7.58E-05	6.40E-05	2.419E-06	5.515E-08	1.443E-08	6.653E-05
6024 481076.33, 3851619.05	0.03023	0.02806	0.02515	0.02773	0.0212	5.68E-05	2.462E-06	5.5039E-08	2.369E-08	5.93E-05	6.96E-05	3.02E-06	5.43E-08	1.33E-08	7.27E-05	6.14E-05	2.321E-06	5.275E-08	1.369E-08	6.377E-05
6025 480939.8, 3851549.07	0.02895	0.02683	0.02394	0.02633	0.01965	5.44E-05	2.354E-06	5.226E-08	2.196E-08	5.68E-05	6.67E-05	2.88E-06	5.16E-08	1.23E-08	6.96E-05	5.88E-05	2.219E-06	5.009E-08	1.269E-08	6.106E-05
6026 480854.56, 3851506.41	0.02814	0.02601	0.02317	0.02545	0.01873	5.29E-05	2.282E-06	5.0514E-08	2.093E-08	5.52E-05	6.48E-05	2.80E-06	4.99E-08	1.17E-08	6.77E-05	5.71E-05	2.151E-06	4.841E-08	1.21E-08	5.935E-05
6027 480769.32, 3851463.75	0.02736	0.02519	0.02241	0.02461	0.01782	5.14E-05	2.21E-06	4.8846E-08	1.991E-08	5.37E-05	6.30E-05	2.71E-06	4.82E-08	1.11E-08	6.58E-05	5.56E-05	2.083E-06	4.681E-08	1.151E-08	5.769E-05
6028 480684.08, 3851421.08	0.02658	0.02437	0.02167	0.0238	0.01695	4.99E-05	2.138E-06	4.7239E-08	1.894E-08	5.22E-05	6.12E-05	2.62E-06	4.66E-08	1.06E-08	6.39E-05	5.40E-05	2.015E-06	4.527E-08	1.095E-08	5.604E-05
6029 480598.84, 3851378.42	0.02579	0.02351	0.02091	0.02299	0.01621	4.85E-05	2.062E-06	4.5631E-08	1.811E-08	5.06E-05	5.94E-05	2.53E-06	4.50E-08	1.01E-08	6.20E-05	5.24E-05	1.944E-06	4.373E-08	1.047E-08	5.436E-05
6030 480435.71, 3851275.01	0.02436	0.02204	0.01966	0.02166	0.015	4.58E-05	1.933E-06	4.2991E-08	1.676E-08	4.78E-05	5.61E-05	2.37E-06	4.24E-08	9.38E-09	5.85E-05	4.95E-05	1.823E-06	4.12E-08	9.69E-09	5.133E-05
6031 480347.85, 3851232.36	0.02362	0.02123	0.01897	0.02095	0.01434	4.44E-05	1.862E-06	4.1582E-08	1.602E-08	4.63E-05	5.44E-05	2.28E-06	4.10E-08	8.97E-09	5.67E-05	4.80E-05	1.756E-06	3.985E-08	9.263E-09	4.976E-05
6032 480260, 3851189.72	0.0229	0.02046	0.01832	0.02027	0.01373	4.30E-05	1.795E-06	4.0232E-08	1.534E-08	4.49E-05	5.27E-05	2.20E-06	3.97E-08	8.59E-09	5.50E-05	4.65E-05	1.692E-06	3.856E-08	8.869E-09	4.824E-05
6033 480172.15, 3851147.07	0.02221	0.01972	0.0177	0.01965	0.01317	4.17E-05	1.73E-06	3.9002E-08	1.472E-08	4.35E-05	5.11E-05	2.12E-06	3.85E-08	8.24E-09	5.33E-05	4.51E-05	1.631E-06	3.738E-08	8.507E-09	4.677E-05
6034 480084.29, 3851104.42	0.02152	0.01902	0.01713	0.01907	0.01264	4.04E-05	1.669E-06	3.785E-08	1.412E-08	4.22E-05	4.96E-05	2.04E-06	3.74E-08	7.91E-09	5.16E-05	4.37E-05	1.573E-06	3.628E-08	8.165E-09	4.531E-05
6035 479996.44, 3851061.77	0.02087	0.01836	0.01659	0.01853	0.01216	3.92E-05	1.611E-06	3.6779E-08	1.359E-08	4.09E-05	4.81E-05	1.97E-06	3.63E-08	7.61E-09	5.01E-05	4.24E-05	1.518E-06	3.525E-08	7.855E-09	4.394E-05
6036 479908.58, 3851019.13	0.02017	0.01777	0.0161	0.01798	0.01158	3.79E-05	1.559E-06	3.5687E-08	1.294E-08	3.95E-05	4.64E-05	1.91E-06	3.52E-08	7.24E-09	4.84E-05	4.10E-05	1.47E-06	3.42E-08	7.48E-09	4.246E-05
6037 479820.73, 3850976.48	0.01956	0.01718	0.01562	0.01749	0.01123	3.68E-05	1.507E-06	3.4714E-08	1.255E-08	3.83E-05	4.50E-05	1.85E-06	3.43E-08	7.02E-09	4.69E-05	3.97E-05	1.421E-06	3.327E-08	7.254E-09	4.118E-05
6038 479732.88, 3850933.83	0.01897	0.01663	0.01517	0.01703	0.01092	3.56E-05	1.459E-06	3.3801E-08	1.22E-08	3.72E-05	4.37E-05	1.79E-06	3.34E-08	6.83E-09	4.55E-05	3.85E-05	1.375E-06	3.24E-08	7.054E-09	3.993E-05
6039 479645.02, 3850891.18	0.01843	0.01611	0.01476	0.01663	0.01067	3.46E-05	1.413E-06	3.3007E-08	1.192E-08	3.61E-05	4.24E-05	1.73E-06	3.26E-08	6.67E-09	4.42E-05	3.74E-05	1.332E-06	3.163E-08	6.892E-09	3.879E-05
6040 479557.17, 3850848.54	0.01795	0.01564	0.01437	0.01628	0.01049	3.37E-05	1.372E-06	3.2313E-08	1.172E-08	3.51E-05	4.13E-05	1.68E-06	3.19E-08	6.56E-09	4.31E-05	3.64E-05	1.293E-06	3.097E-08	6.776E-09	3.778E-05
6041 479469.32, 3850805.89	0.01742	0.01521	0.01402	0.01589	0.01024	3.27E-05	1.334E-06	3.1539E-08	1.144E-08	3.41E-05	4.01E-05	1.64E-06	3.11E-08	6.40E-09	4.18E-05	3.54E-05	1.258E-06	3.023E-08	6.615E-09	3.666E-05
6042 479381.46, 3850763.24	0.01704	0.01481	0.01369	0.01564	0.01013	3.20E-05	1.299E-06	3.1043E-08	1.132E-08	3.34E-05	3.92E-05	1.59E-06	3.06E-08	6.34E-09	4.09E-05	3.46E-05	1.225E-06	2.975E-08	6.544E-09	3.586E-05
6043 479293.61, 3850720.59	0.01675	0.01443	0.01338	0.01545	0.0101	3.15E-05	1.266E-06	3.0665E-08	1.128E-08	3.28E-05	3.86E-05	1.55E-06	3.03E-08	6.32E-09	4.02E-05	3.40E-05	1.193E-06	2.939E-08	6.524E-09	3.524E-05
6044 479205.76, 3850677.95	0.01644	0.01409	0.0131	0.01524	0.01005	3.09E-05	1.236E-06	3.0249E-08	1.123E-08	3.22E-05	3.79E-05	1.51E-06	2.99E-08	6.29E-09	3.94E-05	3.34E-05	1.165E-06	2.899E-08	6.492E-09	3.458E-05
6045 479117.9, 3850635.3	0.01617	0.01377	0.01283	0.01503	0.01003	3.04E-05	1.208E-06	2.9832E-08	1.121E-08	3.16E-05	3.72E-05	1.48E-06	2.94E-08	6.27E-09	3.88E-05	3.28E-05	1.139E-06	2.859E-08	6.479E-09	3.401E-05
6046 479030.05, 3850592.65	0.01589	0.01348	0.01259	0.01482	0.00998	2.99E-05	1.183E-06	2.9415E-08	1.115E-08	3.11E-05	3.66E-05	1.45E-06	2.90E-08	6.24E-09	3.81E-05	3.23E-05	1.115E-06	2.819E-08	6.447E-09	3.341E-05
6047 478942.19, 3850550	0.01554	0.01324	0.01239	0.01461	0.00982	2.92E-05	1.162E-06	2.8998E-08	1.097E-08	3.04E-05	3.58E-05	1.42E-06	2.86E-08	6.14E-09	3.72E-05	3.16E-05	1.095E-06	2.779E-08	6.343E-09	3.268E-05
6048 478854.34, 3850507.36	0.01497	0.01303	0.01221	0.0142	0.00949	2.81E-05	1.143E-06	2.8184E-08	1.06E-08	2.93E-05	3.45E-05	1.40E-06	2.78E-08	5.94E-09	3.59E-05	3.04E-05	1.078E-06	2.701E-08	6.13E-09	3.151E-05
6049 478766.49, 3850464.71	0.01457	0.01266	0.01202	0.01389	0.00933	2.74E-05	1.111E-06	2.7569E-08	1.042E-08	2.85E-05	3.36E-05	1.36E-06	2.72E-08	5.84E-09	3.49E-05	2.96E-05	1.047E-06	2.642E-08	6.027E-09	3.066E-05
6050 478678.63, 3850422.06	0.01424	0.01245	0.01184	0.01364	0.00923	2.68E-05	1.092E-06	2.7073E-08	1.031E-08	2.79E-05	3.28E-05	1.34E-06	2.67E-08	5.77E-09	3.42E-05	2.89E-05	1.03E-06	2.595E-08	5.962E-09	2.997E-05
6051 478590.78, 3850379.41	0.0139	0.01226	0.01139	0.01337	0.00911	2.61E-05	1.076E-06	2.6537E-08	1.018E-08	2.72E-05	3.20E-05	1.32E-06	2.62E-08	5.70E-09	3.34E-05	2.82E-05	1.014E-06	2.543E-08	5.885E-09	2.927E-05
6052 478502.93, 3850336.77	0.01365	0.01209	0.01124	0.01319	0.00904	2.57E-05	1.061E-06	2.618E-08	1.01E-08	2.67E-05	3.14E-05	1.30E-06	2.58E-08	5.65E-09	3.28E-05	2.77E-05	9.998E-07	2.509E-08	5.84E-09	2.875E-05
6053 478415.07, 3850294.12	0.01346	0.01193	0.01112	0.01304	0.00899	2.53E-05	1.047E-06	2.5882E-08	1.004E-08	2.64E-05	3.10E-05	1.28E-06	2.55E-08	5.62E-09	3.23E-05	2.73E-05	9.866E-07	2.481E-08	5.807E-09	2.835E-05
6054 478327.22, 3850251.47	0.01315	0.01159	0.01096	0.0128	0.00888	2.47E-05	1.017E-06	2.5406E-08	9.922E-09	2.58E-05	3.03E-05	1.25E-06	2.51E-08	5.55E-09	3.16E-05	2.67E-05	9.585E-07	2.435E-08	5.736E-09	2.769E-05
6055 478239.36, 3850208.82	0.01291	0.01144	0.01083	0.01261	0.00879	2.43E-05	1.004E-06	2.5029E-08	9.821E-09	2.53E-05	2.97E-05	1.23E-06	2.47E-08	5.50E-09	3.10E-05	2.62E-05	9.461E-07	2.399E-08	5.678E-09	2.719E-05
6056 478151.51, 3850166.18	0.01271	0.01132	0.01072	0.01245	0.00872	2.39E-05	9.931E-07	2.4711E-08	9.743E-09	2.49E-05	2.93E-05	1.22E-06	2.44E-08	5.45E-09	3.05E-05	2.58E-05	9.361E-07	2.368E-08	5.633E-09	2.677E-05
6057 478063.66, 3850123.53	0.01254	0.0112	0.01062	0.01231	0.00866	2.36E-05	9.825E-07	2.4433E-08	9.676E-09	2.46E-05	2.89E-05	1.20E-06	2.41E-08	5.42E-09	3.01E-05	2.55E-05	9.262E-07	2.342E-08	5.594E-09	2.642E-05
6058 477975.8, 3850080.88	0.01279	0.01128	0.01077	0.01252	0.00884	2.40E-05	9.896E-07	2.485E-08	9.877E-09	2.51E-05	2.95E-05	1.21E-06	2.45E-08	5.53E-09	3.07E-05	2.60E-05	9.328E-07	2.382E-08	5.71E-09	2.693E-05
6059 477887.95, 3850038.23	0.01272	0.01117	0.01066	0.01247	0.00883	2.39E-05	9.799E-07	2.4751E-08	9.866E-09	2.49E-05	2.93E-05	1.20E-06	2.44E-08	5.52E-09	3.05E-05	2.58E-05	9.237E-07	2.372E-08	5.704E-09	2.678E-05
6060 477800.1, 3849995.59	0.0127	0.01107	0.01056	0.01245	0.00885	2.39E-05	9.711E-07	2.4711E-08	9.888E-09	2.49E-05	2.92E-05	1.19E-06	2.44E-08	5.54E-09	3.05E-05	2.58E-05	9.155E-07	2.368E-08	5.717E-09	2.673E-05
6061 477712.24, 3849952.94	0.01258	0.01096	0.01046	0.01235	0.00881	2.36E-05	9.615E-07	2.4512E-08	9.844E-09	2.46E-05	2.90E-05	1.18E-06	2.42E-08	5.51E-09	3.02E-05	2.55E-05	9.064E-07	2.349E-08	5.691E-09	2.648E-05
6062 477624.39, 3849910.29	0.01246	0.01085	0.01036	0.01224	0.00876	2.34E-05	9.518E-07	2.4294E-08	9.788E-09	2.44E-05	2.87E-05	1.17E-06	2.40E-08	5.48E-09	2.99E-05	2.53E-05	8.973E-07	2.328E-08	5.659E-09	2.622E-05
6063 477536.54, 3849867.64	0.01237	0.01075	0.01026	0.01215	0.00872	2.32E-05	9.431E-07	2.4116E-08	9.743E-09	2.42E-05	2.85E-05	1.16E-06	2.38E-08	5.45E-09	2.97E-05	2.51E-05	8.89E-07	2.311E-08	5.633E-09	2.603E-05
6064 477448.68, 3849825	0.01222	0.01064	0.01016	0.01202	0.00865	2.30E-05	9.334E-07	2.3857E-08	9.665E-09	2.39E-05	2.81E-05	1.14E-06	2.35E-08	5.41E-09	2.93E-05	2.48E-05	8.799E-07	2.287E-08	5.588E-09	2.572E-05
6065 477360.83, 3849782.35	0.01209	0.01053	0.01006	0.01189	0.00857	2.27E-05	9.238E-07	2.3599E-08	9.575E-09	2.37E-05	2.78E-05	1.13E-06	2.33E-08	5.36E-09	2.90E-05	2.45E-05	8.708E-07	2.262E-08	5.536E-09	2.545E-05
6066 477272.97, 3849739.7	0.01195	0.01043	0.00997	0.01176	0.0085	2.25E-05	9.15E-07	2.3341E-08	9.497E-09	2.34E-05	2.75E-05	1.12E-06	2.30E-08	5.32E-09	2.87E-05	2.43E-05	8.625E-07	2.237E-08	5.491E-09	2.515E-05
6067 477185.12, 3849697.05	0.01184	0.01033	0.00987	0.01165	0.00844	2.22E-05	9.062E-07	2.3123E-08	9.43E-09	2.32E-05	2.73E-05	1.11E-06	2.28E-08	5.28E-09	2.84E-05	2.40E-05	8.543E-07	2.216E-08	5.452E-09	2.492E-05
6068 477097.27, 3849654.41	0.01168	0.01022	0.00978	0.0115	0.00835	2.19E-05	8.966E-07	2.2825E-08	9.33E-09	2.29E-05	2.69E-05	1.10E-06	2.25E-08	5.22E-09	2.80E-05	2.37E-05	8.452E-07	2.188E-08	5.394E-09	2.459E-05
6069 477009.41, 3849611.76	0.01143	0.01011	0.00968	0.01126	0.0082	2.15E-05	8.869E-07	2.2349E-08	9.162E-09	2.24E-05	2.63E-05	1.09E-06	2.21E-08	5.13E-09	2.74E-05	2.32E-05	8.361E-07	2.142E-08	5.297E-09	2.407E-05
6070 476841.49, 3849530.08	0.01114	0.00992	0.00944	0.01097	0.00802	2.09E-05	8.702E-07	2.1773E-08	8.961E-09	2.18E-05	2.57E-05	1.07E-06	2.15E-08	5.02E-09	2.67E-05	2.26E-05	8.204E-07	2.087E-08	5.181E-09	2.346E-05
6071 476761.41, 3849491.05	0.01104	0.00983	0.00936	0.01087	0.00797	2.07E-05	8.624E-07	2.1575E-08	8.905E-09	2.16E-05	2.54E-05	1.06E-06	2.13E-08	4.98E-09	2.65E-05	2.24E-05	8.129E-07	2.068E-08	5.148E-09	2.325E-05
6072 476681.34, 3849452.02	0.01087	0.0097	0.00927	0.01071	0.00787	2.04E-05	8.51E-07	2.1257E-08	8.793E-09	2.13E-05	2.50E-05	1.04E-06	2.10E-08	4.92E-09	2.61E-05	2.21E-05	8.022E-07	2.037E-08	5.084E-09	2.29E-05
6073 476601.26, 3849412.99	0.01068	0.00959	0.00918	0.01052	0.00776	2.01E-05	8.413E-07	2.088E-08	8.67E-09	2.09E-05	2.46E-05	1.03E-06	2.06E-08	4.85E-09	2.57E-05	2.17E-05	7.931E-07	2.001E-08	5.013E-09	2.25E-05
6074 476456.32, 3849353.67	0.01031	0.00942	0.00902	0.01016	0.00751	1.94E-05	8.264E-07	2.0166E-08	8.391E-09	2.02E-05	2.37E-05	1.01E-06	1.99E-08	4.70E-09	2.48E-05	2.09E-05	7.79E-07	1.933E-08	4.851E-09	2.174E-05
6075 476305.43, 3849318.84	0.01031	0.00938	0.00899	0.01014	0.00754	1.94E-05	8.229E-07	2.0126E-08	8.425E-09	2.02E-05	2.37E-05	1.01E-06	1.99E-08	4.72E-09	2.48E-05	2.09E-05	7.757E-07	1.929E-08	4.871E-09	2.173E-05
6076 476129.36, 3849289.99	0.01022	0.00934	0.00895	0.01004	0.00751	1.92E-05	8.194E-07	1.9928E-08	8.391E-09	2.01E-05	2.35E-05	1.00E-06	1.97E-08	4.70E-09	2.46E-05	2.08E-05	7.724E-07	1.91E-08	4.851E-09	2.155E-05

6077 476039.31, 3849275.68	0.0102	0.00932	0.00894	0.01002	0.0075	1.92E-05	8.176E-07	1.9888E-08	8.38E-09	2.00E-05	2.35E-05	1.00E-06	1.96E-08	4.69E-09	2.45E-05	2.07E-05	7.708E-07	1.906E-08	4.845E-09	2.15E-05
6078 475949.26, 3849261.38	0.01001	0.00926	0.00888	0.00984	0.00736	1.88E-05	8.124E-07	1.9531E-08	8.223E-09	1.97E-05	2.31E-05	9.95E-07	1.93E-08	4.60E-09	2.41E-05	2.03E-05	7.658E-07	1.872E-08	4.754E-09	2.111E-05
6079 475859.21, 3849247.08	0.00996	0.00923	0.00886	0.00978	0.00732	1.87E-05	8.097E-07	1.9411E-08	8.179E-09	1.96E-05	2.29E-05	9.92E-07	1.92E-08	4.58E-09	2.40E-05	2.02E-05	7.633E-07	1.86E-08	4.728E-09	2.101E-05
6080 475769.16, 3849232.77	0.00988	0.0092	0.00883	0.00969	0.00725	1.86E-05	8.071E-07	1.9233E-08	8.101E-09	1.94E-05	2.28E-05	9.89E-07	1.90E-08	4.53E-09	2.38E-05	2.01E-05	7.608E-07	1.843E-08	4.683E-09	2.084E-05
6081 475585.23, 3849219.27	0.00892	0.00864	0.00832	0.00883	0.00609	1.68E-05	7.58E-07	1.7526E-08	6.804E-09	1.75E-05	2.05E-05	9.29E-07	1.73E-08	3.81E-09	2.15E-05	1.81E-05	7.145E-07	1.68E-08	3.934E-09	1.885E-05
6082 475444.5, 3849150.35	0.0093	0.00888	0.00853	0.00914	0.00666	1.75E-05	7.79E-07	1.8141E-08	7.441E-09	1.83E-05	2.14E-05	9.55E-07	1.79E-08	4.17E-09	2.24E-05	1.89E-05	7.344E-07	1.739E-08	4.302E-09	1.964E-05
6083 475334.18, 3849118.71	0.00932	0.00887	0.00853	0.00915	0.00676	1.75E-05	7.781E-07	1.8161E-08	7.553E-09	1.83E-05	2.15E-05	9.54E-07	1.79E-08	4.23E-09	2.24E-05	1.89E-05	7.335E-07	1.741E-08	4.367E-09	1.968E-05
6084 475230.47, 3849060.57	0.0092	0.00875	0.00842	0.00903	0.00668	1.73E-05	7.676E-07	1.7923E-08	7.464E-09	1.81E-05	2.12E-05	9.41E-07	1.77E-08	4.18E-09	2.21E-05	1.87E-05	7.236E-07	1.718E-08	4.315E-09	1.942E-05
6085 475110.86, 3848960.97	0.00896	0.00853	0.00822	0.00881	0.00651	1.68E-05	7.483E-07	1.7486E-08	7.274E-09	1.76E-05	2.06E-05	9.17E-07	1.73E-08	4.07E-09	2.16E-05	1.82E-05	7.054E-07	1.676E-08	4.205E-09	1.892E-05
6086 475037.79, 3848896.28	0.00877	0.00837	0.00807	0.00863	0.00634	1.65E-05	7.343E-07	1.7129E-08	7.084E-09	1.72E-05	2.02E-05	9.00E-07	1.69E-08	3.97E-09	2.11E-05	1.78E-05	6.922E-07	1.642E-08	4.095E-09	1.852E-05
6087 474964.72, 3848831.59	0.00858	0.00821	0.00792	0.00845	0.00618	1.61E-05	7.202E-07	1.6772E-08	6.905E-09	1.69E-05	1.98E-05	8.83E-07	1.66E-08	3.87E-09	2.07E-05	1.74E-05	6.79E-07	1.607E-08	3.992E-09	1.812E-05
6088 474891.65, 3848766.9	0.00845	0.00808	0.0078	0.00833	0.00609	1.59E-05	7.088E-07	1.6534E-08	6.804E-09	1.66E-05	1.95E-05	8.69E-07	1.63E-08	3.81E-09	2.03E-05	1.72E-05	6.682E-07	1.585E-08	3.934E-09	1.784E-05
6089 474818.58, 3848702.22	0.00835	0.00797	0.0077	0.00823	0.00603	1.57E-05	6.992E-07	1.6335E-08	6.737E-09	1.64E-05	1.92E-05	8.57E-07	1.61E-08	3.77E-09	2.01E-05	1.70E-05	6.591E-07	1.566E-08	3.895E-09	1.763E-05
6090 474745.51, 3848637.53	0.00836	0.00793	0.00766	0.00824	0.00613	1.57E-05	6.957E-07	1.6355E-08	6.849E-09	1.64E-05	1.93E-05	8.52E-07	1.61E-08	3.83E-09	2.01E-05	1.70E-05	6.558E-07	1.567E-08	3.96E-09	1.765E-05
6091 474672.44, 3848572.84	0.00829	0.00784	0.00757	0.00816	0.00611	1.56E-05	6.878E-07	1.6196E-08	6.827E-09	1.63E-05	1.91E-05	8.43E-07	1.60E-08	3.82E-09	2.00E-05	1.68E-05	6.484E-07	1.552E-08	3.947E-09	1.75E-05
6092 474599.37, 3848508.15	0.00813	0.00771	0.00745	0.00802	0.00598	1.53E-05	6.764E-07	1.5918E-08	6.682E-09	1.60E-05	1.87E-05	8.29E-07	1.57E-08	3.74E-09	1.96E-05	1.65E-05	6.376E-07	1.526E-08	3.863E-09	1.716E-05
6093 474526.3, 3848443.46	0.00802	0.0076	0.00735	0.00791	0.0059	1.51E-05	6.667E-07	1.57E-08	6.592E-09	1.58E-05	1.85E-05	8.17E-07	1.55E-08	3.69E-09	1.93E-05	1.63E-05	6.285E-07	1.505E-08	3.811E-09	1.693E-05

			2028	2033	2048	Residential Dose							Risk by Age Group							
Rec#	X	Y	Conc	Conc	Conc	3rd	0<2	2<9 (2028)	2<9 (2033)	9<16	16<30(2033)	16<30(2048)	3rd	0<2	2<9 (2028)	2<9 (2033)	9<16	16<30(2033)	16<30(2048)	Total Risk
1	485973.61	3854936.51	1.14E-03	1.40E-03	1.23E-03	3.97E-07	1.20E-06	6.93E-07	8.50E-07	7.70E-07	3.51E-07	3.07E-07	1.32E-08	3.20E-07	7.06E-08	1.15E-07	1.83E-07	3.22E-08	2.03E-08	7.55E-07
2	486023.61	3854936.51	1.10E-03	1.34E-03	1.17E-03	3.80E-07	1.15E-06	6.64E-07	8.13E-07	7.37E-07	3.36E-07	2.94E-07	1.27E-08	3.06E-07	6.76E-08	1.10E-07	1.75E-07	3.09E-08	1.94E-08	7.22E-07
3	486073.61	3854936.51	1.06E-03	1.30E-03	1.13E-03	3.67E-07	1.11E-06	6.41E-07	7.86E-07	7.12E-07	3.25E-07	2.84E-07	1.23E-08	2.96E-07	6.53E-08	1.07E-07	1.69E-07	2.98E-08	1.87E-08	6.98E-07
4	486123.61	3854936.51	1.00E-03	1.23E-03	1.07E-03	3.47E-07	1.05E-06	6.07E-07	7.44E-07	6.74E-07	3.08E-07	2.69E-07	1.16E-08	2.80E-07	6.18E-08	1.01E-07	1.60E-07	2.82E-08	1.77E-08	6.61E-07
5	486173.61	3854936.51	9.82E-04	1.20E-03	1.05E-03	3.40E-07	1.03E-06	5.95E-07	7.28E-07	6.60E-07	3.01E-07	2.63E-07	1.14E-08	2.74E-07	6.05E-08	9.89E-08	1.57E-07	2.77E-08	1.74E-08	6.47E-07
6	486223.61	3854936.51	9.43E-04	1.16E-03	1.01E-03	3.27E-07	9.87E-07	5.71E-07	7.00E-07	6.35E-07	2.90E-07	2.53E-07	1.09E-08	2.64E-07	5.82E-08	9.51E-08	1.51E-07	2.66E-08	1.67E-08	6.22E-07
7	486273.61	3854936.51	9.13E-04	1.12E-03	9.78E-04	3.16E-07	9.55E-07	5.53E-07	6.78E-07	6.14E-07	2.80E-07	2.45E-07	1.06E-08	2.55E-07	5.63E-08	9.20E-08	1.46E-07	2.57E-08	1.62E-08	6.02E-07
8	486323.61	3854936.51	8.86E-04	1.09E-03	9.49E-04	3.07E-07	9.27E-07	5.37E-07	6.57E-07	5.96E-07	2.72E-07	2.38E-07	1.03E-08	2.48E-07	5.46E-08	8.93E-08	1.42E-07	2.50E-08	1.57E-08	5.84E-07
9	485973.61	3854986.51	1.24E-03	1.51E-03	1.32E-03	4.28E-07	1.29E-06	7.49E-07	9.17E-07	8.32E-07	3.79E-07	3.32E-07	1.43E-08	3.46E-07	7.63E-08	1.25E-07	1.98E-07	3.48E-08	2.19E-08	8.15E-07
10	486023.61	3854986.51	1.19E-03	1.45E-03	1.27E-03	4.12E-07	1.24E-06	7.19E-07	8.81E-07	7.99E-07	3.65E-07	3.19E-07	1.37E-08	3.32E-07	7.32E-08	1.20E-07	1.90E-07	3.35E-08	2.10E-08	7.83E-07
11	486073.61	3854986.51	1.14E-03	1.39E-03	1.22E-03	3.94E-07	1.19E-06	6.88E-07	8.43E-07	7.64E-07	3.49E-07	3.05E-07	1.31E-08	3.17E-07	7.01E-08	1.14E-07	1.82E-07	3.20E-08	2.01E-08	7.49E-07
12	486123.61	3854986.51	1.09E-03	1.33E-03	1.17E-03	3.77E-07	1.14E-06	6.59E-07	8.07E-07	7.32E-07	3.34E-07	2.92E-07	1.26E-08	3.04E-07	6.71E-08	1.10E-07	1.74E-07	3.07E-08	1.93E-08	7.17E-07
13	486173.61	3854986.51	1.06E-03	1.29E-03	1.13E-03	3.66E-07	1.10E-06	6.39E-07	7.83E-07	7.10E-07	3.24E-07	2.83E-07	1.22E-08	2.95E-07	6.51E-08	1.06E-07	1.69E-07	2.97E-08	1.87E-08	6.96E-07
14	486223.61	3854986.51	1.01E-03	1.24E-03	1.08E-03	3.51E-07	1.06E-06	6.13E-07	7.51E-07	6.81E-07	3.11E-07	2.72E-07	1.17E-08	2.83E-07	6.24E-08	1.02E-07	1.62E-07	2.85E-08	1.79E-08	6.67E-07
15	486273.61	3854986.51	9.68E-04	1.19E-03	1.04E-03	3.36E-07	1.01E-06	5.86E-07	7.18E-07	6.51E-07	2.97E-07	2.60E-07	1.12E-08	2.71E-07	5.97E-08	9.75E-08	1.55E-07	2.73E-08	1.71E-08	6.38E-07
16	486323.61	3854986.51	9.53E-04	1.17E-03	1.02E-03	3.30E-07	9.97E-07	5.77E-07	7.07E-07	6.41E-07	2.93E-07	2.56E-07	1.10E-08	2.66E-07	5.88E-08	9.60E-08	1.52E-07	2.68E-08	1.69E-08	6.28E-07
17	485973.61	3855036.51	1.33E-03	1.64E-03	1.43E-03	4.63E-07	1.40E-06	8.09E-07	9.91E-07	8.98E-07	4.10E-07	3.58E-07	1.54E-08	3.73E-07	8.23E-08	1.34E-07	2.13E-07	3.76E-08	2.36E-08	8.80E-07
18	486023.61	3855036.51	1.28E-03	1.56E-03	1.37E-03	4.43E-07	1.34E-06	7.73E-07	9.48E-07	8.59E-07	3.92E-07	3.43E-07	1.48E-08	3.57E-07	7.88E-08	1.29E-07	2.04E-07	3.60E-08	2.26E-08	8.42E-07
19	486073.61	3855036.51	1.21E-03	1.49E-03	1.30E-03	4.21E-07	1.27E-06	7.35E-07	9.01E-07	8.17E-07	3.73E-07	3.26E-07	1.40E-08	3.39E-07	7.49E-08	1.22E-07	1.94E-07	3.42E-08	2.15E-08	8.00E-07
20	486123.61	3855036.51	1.16E-03	1.43E-03	1.25E-03	4.03E-07	1.22E-06	7.05E-07	8.63E-07	7.83E-07	3.57E-07	3.12E-07	1.35E-08	3.25E-07	7.18E-08	1.17E-07	1.86E-07	3.28E-08	2.06E-08	7.67E-07
21	486173.61	3855036.51	1.13E-03	1.38E-03	1.21E-03	3.91E-07	1.18E-06	6.83E-07	8.37E-07	7.59E-07	3.46E-07	3.03E-07	1.31E-08	3.15E-07	6.96E-08	1.14E-07	1.80E-07	3.18E-08	2.00E-08	7.44E-07
22	486223.61	3855036.51	1.08E-03	1.32E-03	1.15E-03	3.73E-07	1.13E-06	6.52E-07	7.98E-07	7.24E-07	3.30E-07	2.89E-07	1.24E-08	3.01E-07	6.64E-08	1.08E-07	1.72E-07	3.03E-08	1.91E-08	7.09E-07
23	486273.61	3855036.51	1.05E-03	1.28E-03	1.12E-03	3.63E-07	1.10E-06	6.35E-07	7.78E-07	7.05E-07	3.22E-07	2.82E-07	1.21E-08	2.93E-07	6.47E-08	1.06E-07	1.68E-07	2.95E-08	1.86E-08	6.91E-07
24	486323.61	3855036.51	1.01E-03	1.24E-03	1.08E-03	3.50E-07	1.06E-06	6.11E-07	7.49E-07	6.79E-07	3.10E-07	2.71E-07	1.17E-08	2.82E-07	6.23E-08	1.02E-07	1.61E-07	2.84E-08	1.79E-08	6.65E-07
25	485973.61	3855086.51	1.43E-03	1.75E-03	1.53E-03	4.96E-07	1.50E-06	8.67E-07	1.06E-06	9.62E-07	4.39E-07	3.84E-07	1.66E-08	4.00E-07	8.82E-08	1.44E-07	2.29E-07	4.03E-08	2.53E-08	9.43E-07
26	486023.61	3855086.51	1.37E-03	1.68E-03	1.47E-03	4.76E-07	1.44E-06	8.32E-07	1.02E-06	9.24E-07	4.22E-07	3.69E-07	1.59E-08	3.84E-07	8.47E-08	1.38E-07	2.20E-07	3.87E-08	2.43E-08	9.06E-07
27	486073.61	3855086.51	1.30E-03	1.60E-03	1.40E-03	4.52E-07	1.36E-06	7.90E-07	9.67E-07	8.77E-07	4.00E-07	3.50E-07	1.51E-08	3.64E-07	8.04E-08	1.31E-07	2.08E-07	3.67E-08	2.31E-08	8.59E-07
28	486123.61	3855086.51	1.26E-03	1.54E-03	1.35E-03	4.35E-07	1.31E-06	7.60E-07	9.31E-07	8.44E-07	3.85E-07	3.37E-07	1.45E-08	3.51E-07	7.74E-08	1.26E-07	2.01E-07	3.54E-08	2.22E-08	8.28E-07
29	486173.61	3855086.51	1.20E-03	1.47E-03	1.28E-03	4.15E-07	1.25E-06	7.25E-07	8.88E-07	8.05E-07	3.67E-07	3.22E-07	1.39E-08	3.35E-07	7.38E-08	1.21E-07	1.91E-07	3.37E-08	2.12E-08	7.89E-07
30	486223.61	3855086.51	1.15E-03	1.41E-03	1.24E-03	4.00E-07	1.21E-06	6.99E-07	8.57E-07	7.77E-07	3.54E-07	3.10E-07	1.34E-08	3.23E-07	7.12E-08	1.16E-07	1.85E-07	3.25E-08	2.05E-08	7.61E-07
31	485973.61	3855136.51	1.54E-03	1.89E-03	1.65E-03	5.34E-07	1.61E-06	9.33E-07	1.14E-06	1.04E-06	4.73E-07	4.14E-07	1.78E-08	4.30E-07	9.50E-08	1.55E-07	2.46E-07	4.34E-08	2.73E-08	1.02E-06
32	486023.61	3855136.51	1.47E-03	1.80E-03	1.58E-03	5.09E-07	1.54E-06	8.90E-07	1.09E-06	9.88E-07	4.51E-07	3.95E-07	1.70E-08	4.11E-07	9.06E-08	1.48E-07	2.35E-07	4.14E-08	2.60E-08	9.69E-07
33	486073.61	3855136.51	1.40E-03	1.72E-03	1.50E-03	4.86E-07	1.47E-06	8.49E-07	1.04E-06	9.43E-07	4.30E-07	3.77E-07	1.62E-08	3.92E-07	8.64E-08	1.41E-07	2.24E-07	3.95E-08	2.48E-08	9.24E-07
34	486123.61	3855136.51	1.34E-03	1.64E-03	1.44E-03	4.65E-07	1.40E-06	8.13E-07	9.96E-07	9.03E-07	4.12E-07	3.61E-07	1.55E-08	3.75E-07	8.28E-08	1.35E-07	2.14E-07	3.78E-08	2.38E-08	8.85E-07
35	486173.61	3855136.51	1.28E-03	1.57E-03	1.38E-03	4.44E-07	1.34E-06	7.77E-07	9.52E-07	8.63E-07	3.94E-07	3.45E-07	1.48E-08	3.58E-07	7.91E-08	1.29E-07	2.05E-07	3.61E-08	2.27E-08	8.45E-07
36	486223.61	3855136.51	1.23E-03	1.51E-03	1.32E-03	4.26E-07	1.29E-06	7.45E-07	9.13E-07	8.28E-07	3.78E-07	3.31E-07	1.42E-08	3.44E-07	7.59E-08	1.24E-07	1.97E-07	3.47E-08	2.18E-08	8.11E-07
37	485973.61	3855186.51	1.65E-03	2.02E-03	1.77E-03	5.72E-07	1.73E-06	1.00E-06	1.23E-06	1.11E-06	5.07E-07	4.44E-07	1.91E-08	4.62E-07	1.02E-07	1.66E-07	2.64E-07	4.65E-08	2.93E-08	1.09E-06
38	486023.61	3855186.51	1.58E-03	1.93E-03	1.69E-03	5.46E-07	1.65E-06	9.55E-07	1.17E-06	1.06E-06	4.84E-07	4.24E-07	1.82E-08	4.41E-07	9.73E-08	1.59E-07	2.52E-07	4.44E-08	2.80E-08	1.04E-06
39	486073.61	3855186.51	1.50E-03	1.83E-03	1.61E-03	5.18E-07	1.57E-06	9.06E-07	1.11E-06	1.01E-06	4.59E-07	4.02E-07	1.73E-08	4.18E-07	9.23E-08	1.51E-07	2.39E-07	4.21E-08	2.65E-08	9.86E-07
40	486123.61	3855186.51	1.42E-03	1.74E-03	1.53E-03	4.92E-07	1.49E-06	8.61E-07	1.05E-06	9.56E-07	4.36E-07	3.82E-07	1.64E-08	3.97E-07	8.76E-08	1.43E-07	2.27E-07	4.00E-08	2.52E-08	9.37E-07
41	486173.61	3855186.51	1.36E-03	1.67E-03	1.46E-03	4.71E-07	1.42E-06	8.24E-07	1.01E-06	9.15E-07	4.18E-07	3.66E-07	1.57E-08	3.80E-07	8.39E-08	1.37E-07	2.17E-07	3.83E-08	2.41E-08	8.97E-07
42	486223.61	3855186.51	1.30E-03	1.60E-03	1.40E-03	4.52E-07	1.36E-06	7.90E-07	9.68E-07	8.77E-07	4.00E-07	3.51E-07	1.51E-08	3.65E-07	8.04E-08	1.31E-07	2.08E-07	3.67E-08	2.31E-08	8.60E-07
43	486273.61	3855186.51	1.25E-03	1.53E-03	1.34E-03	4.33E-07	1.31E-06	7.56E-07	9.26E-07	8.40E-07	3.83E-07	3.36E-07	1.44E-08	3.49E-07	7.70E-08	1.26E-07	2.00E-07	3.52E-08	2.21E-08	8.23E-07
44	486323.61	3855186.51	1.23E-03	1.51E-03	1.32E-03	4.26E-07	1.29E-06	7.44E-07	9.12E-07	8.27E-07	3.77E-07	3.31E-07	1.42E-08	3.43E-07	7.58E-08	1.24E-07	1.96E-07	3.46E-08	2.18E-08	8.10E-07
45	485973.61	3855236.51	1.76E-03	2.16E-03	1.89E-03	6.11E-07	1.85E-06	1.07E-06	1.31E-06	1.19E-06	5.41E-07	4.74E-07	2.04E-08	4.93E-07	1.09E-07	1.78E-07	2.82E-07	4.97E-08	3.13E-08	1.16E-06
46	486023.61	3855236.51	1.67E-03	2.05E-03	1.79E-03	5.79E-07	1.75E-06	1.01E-06	1.24E-06	1.12E-06	5.13E-07	4.50E-07	1.93E-08	4.67E-07	1.03E-07	1.68E-07	2.67E-07	4.71E-08	2.97E-08	1.10E-06
47	486073.61	3855236.51	1.58E-03	1.94E-03	1.70E-03	5.49E-07	1.66E-06	9.59E-07	1.17E-06	1.06E-06	4.86E-07	4.26E-07	1.83E-08	4.42E-07	9.76E-08	1.59E-07	2.53E-07	4.46E-08	2.81E-08	1.04E-06
48	486123.61	3855236.51	1.51E-03	1.85E-03	1.62E-03	5.23E-07	1.58E-06	9.15E-07	1.12E-06	1.02E-06	4.64E-07	4.06E-07	1.75E-08	4.22E-07	9.32E-08	1.52E-07	2.41E-07	4.25E-08	2.68E-08	9.96E-07
49	486173.61	3855236.51	1.44E-03	1.77E-03	1.55E-03	5.01E-07	1.51E-06	8.75E-07	1.07E-06	9.72E-07	4.43E-07	3.89E-07	1.67E-08	4.04E-07	8.91E-08	1.46E-07	2.31E-07	4.07E-08	2.56E-08	9.52E-07
50	486223.61	3855236.51	1.38E-03	1.69E-03	1.48E-03	4.78E-07	1.44E-06	8.36E-07	1.02E-06	9.28E-07	4.24E-07	3.71E-07	1.60E-08	3.86E-07	8.51E-08	1.39E-07	2.21E-07	3.89E-08	2.45E-08	9.10E-07
51	486273.61	3855236.51	1.30E-03	1.60E-03	1.40E-03	4.52E-07	1.37E-06	7.90E-07	9.68E-07	8.78E-07	4.01E-07	3.51E-07	1.51E-08	3.65E-07	8.05E-08	1.31E-07	2.09E-07	3.68E-08	2.32E-08	8.60E-07
52	486323.61	3855236.51	1.30E-03	1.59E-03	1.39E-03	4.50E-07	1.36E-06	7.87E-07	9.64E-07	8.74E-07	3.99E-07	3.49E-07	1.50E-08	3.63E-07	8.01E-08	1.31E-07	2.08E-07	3.66E-08	2.31E-08	8.56E-07
53	485973.61	3855286.51	1.88E-03	2.30E-03	2.02E-03	6.51E-07	1.96E-06	1.14E-06	1.39E-06	1.26E-06	5.76E-07	5.05E-07	2.17E-08	5.25E-07	1.16E-07	1.89E-07	3.00E-07	5.29E-08	3.33E-08	1.24E-06
54	486023.61	3855286.51	1.77E-03	2.17E-03	1.91E-03	6.15E-07	1.86E-06	1.07E-06	1.32E-06	1.19E-06	5.44E-07	4.78E-07	2.05E-08	4.96E-07	1.09E-07	1.79E-07	2.84E-07	5.00E-08	3.15E-08	1.17E-06

55	486073.61	3855286.51	1.68E-03	2.06E-03	1.81E-03	5.84E-07	1.76E-06	1.02E-06	1.25E-06	1.13E-06	5.17E-07	4.53E-07	1.95E-08	4.71E-07	1.04E-07	1.70E-07	2.69E-07	4.74E-08	2.99E-08	1.11E-06
56	486123.61	3855286.51	1.60E-03	1.96E-03	1.72E-03	5.54E-07	1.67E-06	9.68E-07	1.19E-06	1.07E-06	4.90E-07	4.30E-07	1.85E-08	4.46E-07	9.85E-08	1.61E-07	2.55E-07	4.50E-08	2.84E-08	1.05E-06
57	486173.61	3855286.51	1.52E-03	1.86E-03	1.63E-03	5.27E-07	1.59E-06	9.21E-07	1.13E-06	1.02E-06	4.67E-07	4.09E-07	1.76E-08	4.25E-07	9.38E-08	1.53E-07	2.43E-07	4.28E-08	2.70E-08	1.00E-06
58	486223.61	3855286.51	1.46E-03	1.79E-03	1.57E-03	5.05E-07	1.53E-06	8.83E-07	1.08E-06	9.81E-07	4.48E-07	3.93E-07	1.69E-08	4.08E-07	8.99E-08	1.47E-07	2.33E-07	4.11E-08	2.59E-08	9.61E-07
59	486123.61	3855336.51	1.69E-03	2.07E-03	1.81E-03	5.84E-07	1.76E-06	1.02E-06	1.25E-06	1.13E-06	5.18E-07	4.54E-07	1.95E-08	4.71E-07	1.04E-07	1.70E-07	2.70E-07	4.75E-08	3.00E-08	1.11E-06
60	486173.61	3855336.51	1.61E-03	1.97E-03	1.73E-03	5.58E-07	1.69E-06	9.76E-07	1.20E-06	1.08E-06	4.94E-07	4.34E-07	1.86E-08	4.50E-07	9.94E-08	1.62E-07	2.57E-07	4.54E-08	2.86E-08	1.06E-06
61	486223.61	3855336.51	1.54E-03	1.88E-03	1.65E-03	5.33E-07	1.61E-06	9.31E-07	1.14E-06	1.03E-06	4.72E-07	4.14E-07	1.78E-08	4.30E-07	9.48E-08	1.55E-07	2.46E-07	4.33E-08	2.73E-08	1.01E-06
62	486123.61	3855386.51	1.78E-03	2.19E-03	1.92E-03	6.18E-07	1.87E-06	1.08E-06	1.32E-06	1.20E-06	5.48E-07	4.81E-07	2.06E-08	4.99E-07	1.10E-07	1.80E-07	2.85E-07	5.02E-08	3.17E-08	1.18E-06
63	486173.61	3855386.51	1.70E-03	2.08E-03	1.83E-03	5.90E-07	1.78E-06	1.03E-06	1.26E-06	1.14E-06	5.22E-07	4.58E-07	1.97E-08	4.76E-07	1.05E-07	1.71E-07	2.72E-07	4.79E-08	3.02E-08	1.12E-06
64	486223.61	3855386.51	1.63E-03	1.99E-03	1.75E-03	5.64E-07	1.70E-06	9.85E-07	1.21E-06	1.09E-06	4.99E-07	4.38E-07	1.88E-08	4.55E-07	1.00E-07	1.64E-07	2.60E-07	4.58E-08	2.89E-08	1.07E-06
65	486533.18	3855443.15	1.37E-03	1.67E-03	1.47E-03	4.73E-07	1.43E-06	8.27E-07	1.01E-06	9.19E-07	4.19E-07	3.68E-07	1.58E-08	3.82E-07	8.43E-08	1.38E-07	2.18E-07	3.85E-08	2.43E-08	9.01E-07
66	486583.18	3855443.15	1.32E-03	1.61E-03	1.42E-03	4.56E-07	1.38E-06	7.97E-07	9.77E-07	8.85E-07	4.04E-07	3.55E-07	1.52E-08	3.68E-07	8.12E-08	1.33E-07	2.10E-07	3.71E-08	2.34E-08	8.68E-07
67	486633.18	3855443.15	1.27E-03	1.56E-03	1.37E-03	4.40E-07	1.33E-06	7.69E-07	9.42E-07	8.54E-07	3.90E-07	3.42E-07	1.47E-08	3.55E-07	7.83E-08	1.28E-07	2.03E-07	3.58E-08	2.26E-08	8.37E-07
68	486683.18	3855443.15	1.23E-03	1.51E-03	1.33E-03	4.28E-07	1.29E-06	7.48E-07	9.16E-07	8.30E-07	3.79E-07	3.33E-07	1.43E-08	3.45E-07	7.61E-08	1.24E-07	1.97E-07	3.48E-08	2.19E-08	8.14E-07
69	486533.18	3855493.15	1.43E-03	1.75E-03	1.54E-03	4.95E-07	1.50E-06	8.66E-07	1.06E-06	9.62E-07	4.39E-07	3.85E-07	1.65E-08	4.00E-07	8.82E-08	1.44E-07	2.28E-07	4.03E-08	2.54E-08	9.42E-07
70	486583.18	3855493.15	1.38E-03	1.69E-03	1.48E-03	4.78E-07	1.44E-06	8.36E-07	1.02E-06	9.28E-07	4.23E-07	3.72E-07	1.60E-08	3.86E-07	8.51E-08	1.39E-07	2.21E-07	3.89E-08	2.45E-08	9.10E-07
71	486633.18	3855493.15	1.33E-03	1.63E-03	1.43E-03	4.61E-07	1.39E-06	8.06E-07	9.88E-07	8.95E-07	4.09E-07	3.59E-07	1.54E-08	3.72E-07	8.21E-08	1.34E-07	2.13E-07	3.75E-08	2.37E-08	8.78E-07
72	486683.18	3855493.15	1.29E-03	1.58E-03	1.38E-03	4.46E-07	1.35E-06	7.79E-07	9.54E-07	8.65E-07	3.95E-07	3.47E-07	1.49E-08	3.59E-07	7.93E-08	1.30E-07	2.06E-07	3.62E-08	2.29E-08	8.48E-07
73	486533.18	3855543.15	1.50E-03	1.84E-03	1.62E-03	5.20E-07	1.57E-06	9.10E-07	1.11E-06	1.01E-06	4.61E-07	4.05E-07	1.74E-08	4.20E-07	9.26E-08	1.51E-07	2.40E-07	4.23E-08	2.67E-08	9.90E-07
74	486583.18	3855543.15	1.44E-03	1.76E-03	1.55E-03	4.98E-07	1.50E-06	8.71E-07	1.07E-06	9.67E-07	4.41E-07	3.88E-07	1.66E-08	4.02E-07	8.87E-08	1.45E-07	2.30E-07	4.05E-08	2.56E-08	9.48E-07
75	486633.18	3855543.15	1.39E-03	1.70E-03	1.49E-03	4.81E-07	1.45E-06	8.41E-07	1.03E-06	9.34E-07	4.26E-07	3.74E-07	1.61E-08	3.88E-07	8.56E-08	1.40E-07	2.22E-07	3.91E-08	2.47E-08	9.15E-07
76	486683.18	3855543.15	1.33E-03	1.63E-03	1.43E-03	4.61E-07	1.39E-06	8.06E-07	9.87E-07	8.95E-07	4.08E-07	3.59E-07	1.54E-08	3.72E-07	8.21E-08	1.34E-07	2.13E-07	3.75E-08	2.37E-08	8.77E-07
77	486533.18	3855593.15	1.57E-03	1.92E-03	1.69E-03	5.44E-07	1.64E-06	9.51E-07	1.17E-06	1.06E-06	4.82E-07	4.24E-07	1.82E-08	4.39E-07	9.69E-08	1.58E-07	2.51E-07	4.42E-08	2.79E-08	1.04E-06
78	486583.18	3855593.15	1.51E-03	1.84E-03	1.62E-03	5.22E-07	1.58E-06	9.12E-07	1.12E-06	1.01E-06	4.62E-07	4.06E-07	1.74E-08	4.21E-07	9.29E-08	1.52E-07	2.41E-07	4.24E-08	2.68E-08	9.93E-07
79	486633.18	3855593.15	1.45E-03	1.78E-03	1.56E-03	5.02E-07	1.52E-06	8.78E-07	1.08E-06	9.75E-07	4.45E-07	3.91E-07	1.68E-08	4.05E-07	8.94E-08	1.46E-07	2.32E-07	4.08E-08	2.58E-08	9.55E-07
80	486683.18	3855593.15	1.40E-03	1.72E-03	1.51E-03	4.86E-07	1.47E-06	8.49E-07	1.04E-06	9.42E-07	4.30E-07	3.78E-07	1.62E-08	3.92E-07	8.64E-08	1.41E-07	2.24E-07	3.95E-08	2.49E-08	9.24E-07
81	486533.18	3855643.15	1.65E-03	2.02E-03	1.77E-03	5.71E-07	1.72E-06	9.97E-07	1.22E-06	1.11E-06	5.05E-07	4.44E-07	1.91E-08	4.60E-07	1.02E-07	1.66E-07	2.63E-07	4.64E-08	2.93E-08	1.09E-06
82	486583.18	3855643.15	1.58E-03	1.94E-03	1.70E-03	5.48E-07	1.65E-06	9.57E-07	1.17E-06	1.06E-06	4.85E-07	4.26E-07	1.83E-08	4.42E-07	9.75E-08	1.59E-07	2.53E-07	4.45E-08	2.81E-08	1.04E-06
83	486633.18	3855643.15	1.52E-03	1.86E-03	1.63E-03	5.26E-07	1.59E-06	9.20E-07	1.13E-06	1.02E-06	4.66E-07	4.10E-07	1.76E-08	4.24E-07	9.36E-08	1.53E-07	2.43E-07	4.28E-08	2.70E-08	1.00E-06
84	486683.18	3855643.15	1.46E-03	1.79E-03	1.58E-03	5.07E-07	1.53E-06	8.86E-07	1.09E-06	9.84E-07	4.49E-07	3.95E-07	1.69E-08	4.09E-07	9.03E-08	1.47E-07	2.34E-07	4.12E-08	2.60E-08	9.65E-07
85	486533.18	3855693.15	1.74E-03	2.13E-03	1.87E-03	6.02E-07	1.82E-06	1.05E-06	1.29E-06	1.17E-06	5.33E-07	4.69E-07	2.01E-08	4.85E-07	1.07E-07	1.75E-07	2.77E-07	4.89E-08	3.09E-08	1.14E-06
86	486583.18	3855693.15	1.65E-03	2.02E-03	1.78E-03	5.73E-07	1.73E-06	1.00E-06	1.23E-06	1.11E-06	5.07E-07	4.46E-07	1.91E-08	4.62E-07	1.02E-07	1.66E-07	2.64E-07	4.65E-08	2.94E-08	1.09E-06
87	486633.18	3855693.15	1.57E-03	1.93E-03	1.69E-03	5.45E-07	1.65E-06	9.52E-07	1.17E-06	1.06E-06	4.83E-07	4.24E-07	1.82E-08	4.40E-07	9.70E-08	1.58E-07	2.51E-07	4.43E-08	2.80E-08	1.04E-06
88	486683.18	3855693.15	1.53E-03	1.87E-03	1.65E-03	5.30E-07	1.60E-06	9.26E-07	1.13E-06	1.03E-06	4.69E-07	4.12E-07	1.77E-08	4.27E-07	9.43E-08	1.54E-07	2.44E-07	4.30E-08	2.72E-08	1.01E-06
89	486733.18	3855693.15	1.50E-03	1.83E-03	1.61E-03	5.19E-07	1.57E-06	9.07E-07	1.11E-06	1.01E-06	4.60E-07	4.04E-07	1.73E-08	4.19E-07	9.24E-08	1.51E-07	2.39E-07	4.22E-08	2.67E-08	9.88E-07
90	486783.18	3855693.15	1.48E-03	1.81E-03	1.59E-03	5.11E-07	1.54E-06	8.94E-07	1.09E-06	9.92E-07	4.53E-07	3.98E-07	1.71E-08	4.12E-07	9.10E-08	1.49E-07	2.36E-07	4.15E-08	2.63E-08	9.73E-07
91	486533.18	3855743.15	1.82E-03	2.23E-03	1.96E-03	6.32E-07	1.91E-06	1.10E-06	1.35E-06	1.23E-06	5.60E-07	4.92E-07	2.11E-08	5.10E-07	1.12E-07	1.84E-07	2.91E-07	5.14E-08	3.25E-08	1.20E-06
92	486583.18	3855743.15	1.72E-03	2.11E-03	1.86E-03	5.97E-07	1.80E-06	1.04E-06	1.28E-06	1.16E-06	5.28E-07	4.65E-07	1.99E-08	4.81E-07	1.06E-07	1.73E-07	2.75E-07	4.85E-08	3.07E-08	1.14E-06
93	486633.18	3855743.15	1.65E-03	2.02E-03	1.78E-03	5.71E-07	1.72E-06	9.98E-07	1.22E-06	1.11E-06	5.06E-07	4.45E-07	1.91E-08	4.61E-07	1.02E-07	1.66E-07	2.63E-07	4.64E-08	2.93E-08	1.09E-06
94	486683.18	3855743.15	1.61E-03	1.97E-03	1.73E-03	5.57E-07	1.68E-06	9.74E-07	1.19E-06	1.08E-06	4.94E-07	4.34E-07	1.86E-08	4.50E-07	9.92E-08	1.62E-07	2.57E-07	4.53E-08	2.86E-08	1.06E-06
95	486733.18	3855743.15	1.56E-03	1.91E-03	1.68E-03	5.41E-07	1.63E-06	9.46E-07	1.16E-06	1.05E-06	4.79E-07	4.21E-07	1.81E-08	4.36E-07	9.63E-08	1.57E-07	2.49E-07	4.40E-08	2.78E-08	1.03E-06
96	486783.18	3855743.15	1.54E-03	1.89E-03	1.66E-03	5.35E-07	1.62E-06	9.35E-07	1.15E-06	1.04E-06	4.74E-07	4.17E-07	1.79E-08	4.32E-07	9.52E-08	1.56E-07	2.47E-07	4.35E-08	2.75E-08	1.02E-06
97	486533.18	3855793.15	1.92E-03	2.35E-03	2.07E-03	6.66E-07	2.01E-06	1.16E-06	1.42E-06	1.29E-06	5.89E-07	5.19E-07	2.22E-08	5.37E-07	1.18E-07	1.93E-07	3.07E-07	5.41E-08	3.42E-08	1.27E-06
98	486583.18	3855793.15	1.79E-03	2.19E-03	1.93E-03	6.20E-07	1.87E-06	1.08E-06	1.33E-06	1.20E-06	5.49E-07	4.83E-07	2.07E-08	5.00E-07	1.10E-07	1.80E-07	2.86E-07	5.04E-08	3.19E-08	1.18E-06
99	486633.18	3855793.15	1.74E-03	2.13E-03	1.88E-03	6.04E-07	1.82E-06	1.06E-06	1.29E-06	1.17E-06	5.35E-07	4.70E-07	2.02E-08	4.87E-07	1.07E-07	1.75E-07	2.78E-07	4.91E-08	3.10E-08	1.15E-06
100	486683.18	3855793.15	1.70E-03	2.08E-03	1.83E-03	5.89E-07	1.78E-06	1.03E-06	1.26E-06	1.14E-06	5.22E-07	4.59E-07	1.97E-08	4.75E-07	1.05E-07	1.71E-07	2.72E-07	4.79E-08	3.03E-08	1.12E-06
101	486733.18	3855793.15	1.65E-03	2.02E-03	1.78E-03	5.73E-07	1.73E-06	1.00E-06	1.23E-06	1.11E-06	5.07E-07	4.46E-07	1.91E-08	4.62E-07	1.02E-07	1.66E-07	2.64E-07	4.65E-08	2.94E-08	1.09E-06
102	486783.18	3855793.15	1.61E-03	1.98E-03	1.74E-03	5.59E-07	1.69E-06	9.77E-07	1.20E-06	1.08E-06	4.95E-07	4.35E-07	1.87E-08	4.51E-07	9.95E-08	1.62E-07	2.58E-07	4.54E-08	2.87E-08	1.06E-06
103	486533.18	3855843.15	2.01E-03	2.46E-03	2.16E-03	6.95E-07	2.10E-06	1.22E-06	1.49E-06	1.35E-06	6.16E-07	5.42E-07	2.32E-08	5.61E-07	1.24E-07	2.02E-07	3.21E-07	5.65E-08	3.57E-08	1.32E-06
104	486583.18	3855843.15	1.89E-03	2.31E-03	2.04E-03	6.54E-07	1.98E-06	1.14E-06	1.40E-06	1.27E-06	5.79E-07	5.10E-07	2.18E-08	5.28E-07	1.16E-07	1.90E-07	3.02E-07	5.32E-08	3.36E-08	1.24E-06
105	486633.18	3855843.15	1.84E-03	2.25E-03	1.98E-03	6.36E-07	1.92E-06	1.11E-06	1.36E-06	1.24E-06	5.64E-07	4.96E-07	2.13E-08	5.13E-07	1.13E-07	1.85E-07	2.93E-07	5.17E-08	3.27E-08	1.21E-06
106	486683.18	3855843.15	1.79E-03	2.19E-03	1.93E-03	6.20E-07	1.87E-06	1.08E-06	1.33E-06	1.20E-06	5.49E-07	4.83E-07	2.07E-08	5.00E-07	1.10E-07	1.80E-07	2.86E-07	5.04E-08	3.19E-08	1.18E-06
107	486733.18	3855843.15	1.74E-03	2.14E-03	1.88E-03	6.04E-07	1.82E-06	1.06E-06	1.29E-06	1.17E-06	5.35E-07	4.71E-07	2.02E-08	4.87E-07	1.08E-07	1.76E-07	2.79E-07	4.91E-08	3.11E-08	1.15E-06
108	486783.18	3855843.15	1.70E-03	2.08E-03	1.83E-03	5.88E-07	1.78E-06	1.03E-06	1.26E-06	1.14E-06	5.21E-07	4.58E-07	1.96E-08	4.74E-07	1.05E-07	1.71E-07	2.71E-07	4.78E-08	3.02E-08	1.12E-06
109	486533.18	3855893.15	2.07E-03	2.54E-03	2.23E-03	7.18E-07	2.17E-06	1.25E-06	1.54E-06	1.39E-06	6.36E-07	5.59E-07	2.40E-08	5.79E-07	1.28E-07	2.09E-07	3.31E-07	5.83E-08	3.69E-08	1.37E-06
110	486583.18	3855893.15	2.00E-03	2.45E-03	2.16E-03	6.94E-07	2.10E-06	1.21E-06	1.49E-06	1.35E-06	6.15E-07	5.41E-07	2.32E-08	5.60E-07	1.24E-07	2.02E-07	3.20E-07	5.64E-08	3.57E-08	1.32E-06
111	486633.18	3855893.15	1.94E-03	2.38E-03	2.09E-03	6.72E-07	2.03E-06	1.17E-06	1.44E-06	1.30E-06	5.95E-07	5.24E-07	2.24E-08	5.42E-07	1.20E-07	1.95E-07	3.10E-07	5.46E-08	3.45E-08	1.28E-06
112	486683.18	3855893.15	1.89E-03	2.31E-03	2.03E-03	6.53E-07	1.97E-06	1.14E-06	1.40E-06	1.27E-06	5.79E-07	5.09E-07	2.18E-08	5.27E-07	1.16E-07	1.90E-07	3.01E-07	5.31E-08	3.36E-08	1.24E-06
113	486733.18	3855893.15	1.84E-03	2.25E-03	1.98E-03	6.36E-07	1.92E-06	1.11E-06	1.36E-06	1.23E-06	5.63E-07	4.96E-07	2.12E-08	5.13E-07	1.13E-07	1.85E-07	2.93E-07	5.17E-08	3.27E-08	1.21E-06
114	486783.18	3855893.15	1.79E-03	2.20E-03	1.93E-03	6.21E-07	1.88E-06	1.09E-06	1.33E-06	1.21E-06	5.50E-07	4.84E-07	2.07E-08	5.01E-07	1.11E-07	1.81E-07	2.86E-07	5.05E-08	3.19E-08	1.18E-06
115	486533.18	3855943.15	2.19E-03	2.68E-03	2.36E-03	7.57E-07	2.29E-06	1.32E-06	1.62E-06	1.47E-06	6.71E-07	5.90E-07	2.53E-08	6.11E-07	1.35E-07	2.20E-07	3.49E-07	6.15E-08	3.89E-08	1.44E-06

116	486583.18	3855943.15	2.13E-03	2.61E-03	2.30E-03	7.39E-07	2.23E-06	1.29E-06	1.58E-06	1.43E-06	6.54E-07	5.76E-07	2.47E-08	5.96E-07	1.32E-07	2.15E-07	3.41E-07	6.00E-08	3.80E-08	1.41E-06
117	486633.18	3855943.15	2.05E-03	2.51E-03	2.21E-03	7.11E-07	2.15E-06	1.24E-06	1.52E-06	1.38E-06	6.30E-07	5.54E-07	2.38E-08	5.74E-07	1.27E-07	2.07E-07	3.28E-07	5.78E-08	3.66E-08	1.35E-06
118	486683.18	3855943.15	2.00E-03	2.45E-03	2.16E-03	6.93E-07	2.09E-06	1.21E-06	1.48E-06	1.34E-06	6.14E-07	5.40E-07	2.31E-08	5.59E-07	1.23E-07	2.01E-07	3.19E-07	5.63E-08	3.56E-08	1.32E-06
119	486733.18	3855943.15	1.94E-03	2.37E-03	2.09E-03	6.71E-07	2.03E-06	1.17E-06	1.44E-06	1.30E-06	5.94E-07	5.23E-07	2.24E-08	5.41E-07	1.19E-07	1.95E-07	3.09E-07	5.45E-08	3.45E-08	1.28E-06
120	486783.18	3855943.15	1.89E-03	2.32E-03	2.04E-03	6.55E-07	1.98E-06	1.15E-06	1.40E-06	1.27E-06	5.80E-07	5.11E-07	2.19E-08	5.29E-07	1.17E-07	1.90E-07	3.02E-07	5.33E-08	3.37E-08	1.25E-06
121	486533.18	3855993.15	2.33E-03	2.86E-03	2.52E-03	8.09E-07	2.44E-06	1.41E-06	1.73E-06	1.57E-06	7.16E-07	6.31E-07	2.70E-08	6.52E-07	1.44E-07	2.35E-07	3.73E-07	6.57E-08	4.16E-08	1.54E-06
122	486583.18	3855993.15	2.26E-03	2.76E-03	2.43E-03	7.82E-07	2.36E-06	1.37E-06	1.67E-06	1.52E-06	6.92E-07	6.09E-07	2.61E-08	6.31E-07	1.39E-07	2.27E-07	3.60E-07	6.35E-08	4.02E-08	1.49E-06
123	486633.18	3855993.15	2.18E-03	2.67E-03	2.35E-03	7.55E-07	2.28E-06	1.32E-06	1.62E-06	1.47E-06	6.69E-07	5.89E-07	2.52E-08	6.09E-07	1.34E-07	2.19E-07	3.48E-07	6.14E-08	3.88E-08	1.44E-06
124	486683.18	3855993.15	2.12E-03	2.59E-03	2.28E-03	7.34E-07	2.22E-06	1.28E-06	1.57E-06	1.42E-06	6.50E-07	5.72E-07	2.45E-08	5.92E-07	1.31E-07	2.13E-07	3.38E-07	5.96E-08	3.77E-08	1.40E-06
125	486733.18	3855993.15	2.05E-03	2.51E-03	2.21E-03	7.10E-07	2.15E-06	1.24E-06	1.52E-06	1.38E-06	6.29E-07	5.54E-07	2.37E-08	5.73E-07	1.26E-07	2.07E-07	3.28E-07	5.77E-08	3.65E-08	1.35E-06
126	486783.18	3855993.15	1.99E-03	2.44E-03	2.15E-03	6.91E-07	2.09E-06	1.21E-06	1.48E-06	1.34E-06	6.12E-07	5.38E-07	2.31E-08	5.57E-07	1.23E-07	2.01E-07	3.18E-07	5.61E-08	3.55E-08	1.31E-06
127	486533.18	3856043.15	2.49E-03	3.05E-03	2.69E-03	8.64E-07	2.61E-06	1.51E-06	1.85E-06	1.68E-06	7.65E-07	6.74E-07	2.89E-08	6.97E-07	1.54E-07	2.51E-07	3.99E-07	7.02E-08	4.45E-08	1.64E-06
128	486583.18	3856043.15	2.41E-03	2.95E-03	2.60E-03	8.36E-07	2.52E-06	1.46E-06	1.79E-06	1.62E-06	7.40E-07	6.52E-07	2.79E-08	6.74E-07	1.49E-07	2.43E-07	3.85E-07	6.79E-08	4.30E-08	1.59E-06
129	486633.18	3856043.15	2.32E-03	2.84E-03	2.50E-03	8.04E-07	2.43E-06	1.40E-06	1.72E-06	1.56E-06	7.12E-07	6.27E-07	2.68E-08	6.48E-07	1.43E-07	2.34E-07	3.71E-07	6.53E-08	4.13E-08	1.53E-06
130	486683.18	3856043.15	2.25E-03	2.76E-03	2.43E-03	7.80E-07	2.36E-06	1.36E-06	1.67E-06	1.51E-06	6.91E-07	6.08E-07	2.61E-08	6.29E-07	1.39E-07	2.27E-07	3.60E-07	6.34E-08	4.01E-08	1.48E-06
131	486733.18	3856043.15	2.17E-03	2.66E-03	2.34E-03	7.53E-07	2.27E-06	1.32E-06	1.61E-06	1.46E-06	6.67E-07	5.87E-07	2.51E-08	6.07E-07	1.34E-07	2.19E-07	3.47E-07	6.12E-08	3.87E-08	1.43E-06
132	486783.18	3856043.15	2.12E-03	2.59E-03	2.28E-03	7.33E-07	2.21E-06	1.28E-06	1.57E-06	1.42E-06	6.49E-07	5.72E-07	2.45E-08	5.92E-07	1.31E-07	2.13E-07	3.38E-07	5.96E-08	3.77E-08	1.40E-06
133	486533.18	3856093.15	2.69E-03	3.30E-03	2.91E-03	9.34E-07	2.82E-06	1.63E-06	2.00E-06	1.81E-06	8.27E-07	7.28E-07	3.12E-08	7.53E-07	1.66E-07	2.71E-07	4.31E-07	7.59E-08	4.80E-08	1.78E-06
134	486583.18	3856093.15	2.59E-03	3.17E-03	2.79E-03	8.96E-07	2.71E-06	1.57E-06	1.92E-06	1.74E-06	7.94E-07	6.99E-07	2.99E-08	7.23E-07	1.59E-07	2.60E-07	4.13E-07	7.28E-08	4.61E-08	1.70E-06
135	486633.18	3856093.15	2.48E-03	3.04E-03	2.68E-03	8.61E-07	2.60E-06	1.50E-06	1.84E-06	1.67E-06	7.62E-07	6.71E-07	2.87E-08	6.94E-07	1.53E-07	2.50E-07	3.97E-07	6.99E-08	4.43E-08	1.64E-06
136	486683.18	3856093.15	2.40E-03	2.94E-03	2.59E-03	8.32E-07	2.51E-06	1.45E-06	1.78E-06	1.61E-06	7.37E-07	6.49E-07	2.78E-08	6.71E-07	1.48E-07	2.42E-07	3.84E-07	6.76E-08	4.28E-08	1.58E-06
137	486733.18	3856093.15	2.31E-03	2.84E-03	2.50E-03	8.02E-07	2.42E-06	1.40E-06	1.72E-06	1.56E-06	7.10E-07	6.25E-07	2.68E-08	6.47E-07	1.43E-07	2.33E-07	3.70E-07	6.52E-08	4.13E-08	1.53E-06
138	486783.18	3856093.15	2.24E-03	2.75E-03	2.42E-03	7.78E-07	2.35E-06	1.36E-06	1.66E-06	1.51E-06	6.89E-07	6.06E-07	2.60E-08	6.27E-07	1.38E-07	2.26E-07	3.59E-07	6.32E-08	4.00E-08	1.48E-06
139	486533.18	3856143.15	2.92E-03	3.58E-03	3.15E-03	1.01E-06	3.06E-06	1.77E-06	2.17E-06	1.96E-06	8.96E-07	7.89E-07	3.38E-08	8.16E-07	1.80E-07	2.94E-07	4.67E-07	8.22E-08	5.21E-08	1.93E-06
140	486583.18	3856143.15	2.78E-03	3.40E-03	3.00E-03	9.63E-07	2.91E-06	1.68E-06	2.06E-06	1.87E-06	8.53E-07	7.51E-07	3.22E-08	7.77E-07	1.71E-07	2.80E-07	4.44E-07	7.83E-08	4.96E-08	1.83E-06
141	486633.18	3856143.15	2.67E-03	3.27E-03	2.88E-03	9.26E-07	2.80E-06	1.62E-06	1.98E-06	1.80E-06	8.20E-07	7.22E-07	3.09E-08	7.47E-07	1.65E-07	2.69E-07	4.27E-07	7.52E-08	4.76E-08	1.76E-06
142	486683.18	3856143.15	2.57E-03	3.14E-03	2.77E-03	8.90E-07	2.69E-06	1.56E-06	1.90E-06	1.73E-06	7.88E-07	6.94E-07	2.97E-08	7.18E-07	1.58E-07	2.59E-07	4.10E-07	7.23E-08	4.58E-08	1.69E-06
143	486733.18	3856143.15	2.47E-03	3.03E-03	2.67E-03	8.57E-07	2.59E-06	1.50E-06	1.83E-06	1.66E-06	7.59E-07	6.68E-07	2.86E-08	6.91E-07	1.52E-07	2.49E-07	3.95E-07	6.96E-08	4.41E-08	1.63E-06
144	486783.18	3856143.15	2.40E-03	2.94E-03	2.59E-03	8.31E-07	2.51E-06	1.45E-06	1.78E-06	1.61E-06	7.36E-07	6.48E-07	2.78E-08	6.71E-07	1.48E-07	2.42E-07	3.83E-07	6.76E-08	4.28E-08	1.58E-06
145	486533.18	3856193.15	3.21E-03	3.93E-03	3.46E-03	1.11E-06	3.36E-06	1.94E-06	2.38E-06	2.16E-06	9.84E-07	8.67E-07	3.71E-08	8.97E-07	1.98E-07	3.23E-07	5.13E-07	9.03E-08	5.72E-08	2.11E-06
146	486583.18	3856193.15	3.02E-03	3.70E-03	3.26E-03	1.05E-06	3.16E-06	1.83E-06	2.24E-06	2.03E-06	9.27E-07	8.17E-07	3.50E-08	8.44E-07	1.86E-07	3.04E-07	4.83E-07	8.51E-08	5.39E-08	1.99E-06
147	486633.18	3856193.15	2.89E-03	3.54E-03	3.11E-03	1.00E-06	3.02E-06	1.75E-06	2.14E-06	1.94E-06	8.86E-07	7.80E-07	3.34E-08	8.07E-07	1.78E-07	2.91E-07	4.61E-07	8.13E-08	5.15E-08	1.90E-06
148	486683.18	3856193.15	2.78E-03	3.40E-03	2.99E-03	9.62E-07	2.90E-06	1.68E-06	2.06E-06	1.87E-06	8.52E-07	7.50E-07	3.21E-08	7.76E-07	1.71E-07	2.80E-07	4.44E-07	7.82E-08	4.95E-08	1.83E-06
149	486733.18	3856193.15	2.65E-03	3.25E-03	2.86E-03	9.20E-07	2.78E-06	1.61E-06	1.97E-06	1.79E-06	8.15E-07	7.17E-07	3.07E-08	7.42E-07	1.64E-07	2.67E-07	4.24E-07	7.48E-08	4.73E-08	1.75E-06
150	486783.18	3856193.15	2.56E-03	3.14E-03	2.77E-03	8.89E-07	2.68E-06	1.55E-06	1.90E-06	1.72E-06	7.87E-07	6.93E-07	2.97E-08	7.17E-07	1.58E-07	2.58E-07	4.10E-07	7.22E-08	4.57E-08	1.69E-06
151	486533.18	3856243.15	3.54E-03	4.33E-03	3.82E-03	1.23E-06	3.70E-06	2.14E-06	2.62E-06	2.38E-06	1.09E-06	9.57E-07	4.09E-08	9.89E-07	2.18E-07	3.56E-07	5.65E-07	9.96E-08	6.31E-08	2.33E-06
152	486583.18	3856243.15	3.33E-03	4.07E-03	3.59E-03	1.15E-06	3.48E-06	2.01E-06	2.47E-06	2.24E-06	1.02E-06	8.99E-07	3.85E-08	9.29E-07	2.05E-07	3.35E-07	5.31E-07	9.36E-08	5.93E-08	2.19E-06
153	486633.18	3856243.15	3.14E-03	3.85E-03	3.39E-03	1.09E-06	3.29E-06	1.90E-06	2.33E-06	2.12E-06	9.65E-07	8.50E-07	3.64E-08	8.79E-07	1.94E-07	3.17E-07	5.03E-07	8.86E-08	5.61E-08	2.07E-06
154	486683.18	3856243.15	2.99E-03	3.67E-03	3.23E-03	1.04E-06	3.13E-06	1.81E-06	2.22E-06	2.01E-06	9.19E-07	8.09E-07	3.46E-08	8.37E-07	1.85E-07	3.02E-07	4.78E-07	8.43E-08	5.34E-08	1.97E-06
155	486733.18	3856243.15	2.87E-03	3.51E-03	3.09E-03	9.93E-07	3.00E-06	1.74E-06	2.13E-06	1.93E-06	8.79E-07	7.75E-07	3.32E-08	8.01E-07	1.77E-07	2.89E-07	4.58E-07	8.07E-08	5.11E-08	1.89E-06
156	486783.18	3856243.15	2.74E-03	3.36E-03	2.96E-03	9.50E-07	2.87E-06	1.66E-06	2.03E-06	1.84E-06	8.41E-07	7.41E-07	3.17E-08	7.66E-07	1.69E-07	2.76E-07	4.38E-07	7.72E-08	4.89E-08	1.81E-06
157	486533.18	3856293.15	3.95E-03	4.84E-03	4.27E-03	1.37E-06	4.14E-06	2.39E-06	2.93E-06	2.66E-06	1.21E-06	1.07E-06	4.57E-08	1.10E-06	2.44E-07	3.98E-07	6.32E-07	1.11E-07	7.05E-08	2.61E-06
158	486583.18	3856293.15	3.67E-03	4.50E-03	3.96E-03	1.27E-06	3.84E-06	2.22E-06	2.72E-06	2.47E-06	1.13E-06	9.93E-07	4.25E-08	1.03E-06	2.26E-07	3.70E-07	5.87E-07	1.03E-07	6.55E-08	2.42E-06
159	486633.18	3856293.15	3.44E-03	4.22E-03	3.72E-03	1.19E-06	3.60E-06	2.09E-06	2.56E-06	2.32E-06	1.06E-06	9.31E-07	3.99E-08	9.63E-07	2.12E-07	3.47E-07	5.50E-07	9.70E-08	6.14E-08	2.27E-06
160	486683.18	3856293.15	3.25E-03	3.99E-03	3.51E-03	1.13E-06	3.40E-06	1.97E-06	2.41E-06	2.19E-06	9.99E-07	8.80E-07	3.77E-08	9.09E-07	2.01E-07	3.28E-07	5.20E-07	9.16E-08	5.80E-08	2.15E-06
161	486733.18	3856293.15	3.10E-03	3.79E-03	3.34E-03	1.07E-06	3.24E-06	1.88E-06	2.30E-06	2.08E-06	9.50E-07	8.37E-07	3.58E-08	8.66E-07	1.91E-07	3.12E-07	4.95E-07	8.72E-08	5.52E-08	2.04E-06
162	486783.18	3856293.15	2.95E-03	3.61E-03	3.18E-03	1.02E-06	3.08E-06	1.78E-06	2.19E-06	1.98E-06	9.04E-07	7.96E-07	3.41E-08	8.23E-07	1.82E-07	2.97E-07	4.71E-07	8.30E-08	5.25E-08	1.94E-06
163	486783.18	3856343.15	3.19E-03	3.90E-03	3.44E-03	1.10E-06	3.33E-06	1.93E-06	2.36E-06	2.14E-06	9.78E-07	8.61E-07	3.69E-08	8.91E-07	1.97E-07	3.21E-07	5.09E-07	8.97E-08	5.68E-08	2.10E-06
164	486833.18	3856343.15	3.03E-03	3.71E-03	3.26E-03	1.05E-06	3.17E-06	1.83E-06	2.25E-06	2.04E-06	9.29E-07	8.18E-07	3.50E-08	8.46E-07	1.87E-07	3.05E-07	4.84E-07	8.52E-08	5.40E-08	2.00E-06
165	486883.18	3856343.15	2.88E-03	3.53E-03	3.11E-03	1.00E-06	3.02E-06	1.75E-06	2.14E-06	1.94E-06	8.85E-07	7.80E-07	3.34E-08	8.06E-07	1.78E-07	2.91E-07	4.61E-07	8.12E-08	5.14E-08	1.90E-06
166	486783.18	3856393.15	3.44E-03	4.22E-03	3.72E-03	1.19E-06	3.60E-06	2.09E-06	2.56E-06	2.32E-06	1.06E-06	9.31E-07	3.99E-08	9.63E-07	2.12E-07	3.47E-07	5.50E-07	9.70E-08	6.14E-08	2.27E-06
167	486833.18	3856393.15	3.25E-03	3.98E-03	3.51E-03	1.13E-06	3.40E-06	1.97E-06	2.41E-06	2.19E-06	9.98E-07	8.79E-07	3.76E-08	9.09E-07	2.01E-07	3.28E-07	5.20E-07	9.16E-08	5.80E-08	2.14E-06
168	486883.18	3856393.15	3.08E-03	3.77E-03	3.32E-03	1.07E-06	3.22E-06	1.86E-06	2.28E-06	2.07E-06	9.45E-07	8.32E-07	3.56E-08	8.61E-07	1.90E-07	3.10E-07	4.92E-07	8.67E-08	5.49E-08	2.03E-06
169	487208.74	3856886.11	4.15E-03	5.08E-03	4.47E-03	1.44E-06	4.34E-06	2.51E-06	3.08E-06	2.79E-06	1.27E-06	1.12E-06	4.80E-08	1.16E-06	2.56E-07	4.18E-07	6.62E-07	1.17E-07	7.39E-08	2.73E-06
170	487258.74	3856886.11	3.79E-03	4.65E-03	4.09E-03	1.31E-06	3.97E-06	2.30E-06	2.81E-06	2.55E-06	1.16E-06	1.02E-06	4.39E-08	1.06E-06	2.34E-07	3.82E-07	6.06E-07	1.07E-07	6.76E-08	2.50E-06
171	487308.74	3856886.11	3.49E-03	4.28E-03	3.77E-03	1.21E-06	3.66E-06	2.12E-06	2.59E-06	2.35E-06	1.07E-06	9.43E-07	4.04E-08	9.77E-07	2.16E-07	3.52E-07	5.58E-07	9.84E-08	6.22E-08	2.30E-06
172	487358.74	3856886.11	3.25E-03	3.98E-03	3.50E-03	1.12E-06	3.40E-06	1.97E-06	2.41E-06	2.18E-06	9.96E-07	8.76E-07	3.76E-08	9.07E-07	2.00E-07	3.27E-07	5.19E-07	9.14E-08	5.78E-08	2.14E-06
173	487208.74	3856936.11	4.42E-03	5.41E-03	4.76E-03	1.53E-06	4.62E-06	2.68E-06	3.28E-06	2.97E-06	1.36E-06	1.19E-06	5.11E-08	1.23E-06	2.72E-07	4.45E-07	7.06E-07	1.24E-07	7.87E-08	2.91E-06
174	487258.74	3856936.11	3.97E-03	4.86E-03	4.27E-03	1.37E-06	4.15E-06	2.40E-06	2.94E-06	2.67E-06	1.22E-06	1.07E-06	4.59E-08	1.11E-06	2.45E-07	3.99E-07	6.34E-07	1.12E-07	7.06E-08	2.61E-06
175	487308.74	3856936.11	3.61E-03	4.42E-03	3.89E-03	1.25E-06	3.78E-06	2.19E-06	2.68E-06	2.43E-06	1.11E-06	9.74E-07	4.18E-08	1.01E-06	2.23E-07	3.64E-07	5.77E-07	1.02E-07	6.42E-08	2.38E-06
176	487358.74	3856936.11	3.33E-03	4.08E-03	3.58E-03	1.15E-06	3.48E-06	2.02E-06	2.47E-06	2.24E-06	1.02E-06	8.98E-07	3.85E-08	9.31E-07	2.05E-07	3.35E-07	5.32E-07	9.38E-08	5.92E-08	2.19E-06

177	487208.74	3856986.11	4.44E-03	5.44E-03	4.78E-03	1.54E-06	4.64E-06	2.69E-06	3.29E-06	2.98E-06	1.36E-06	1.20E-06	5.14E-08	1.24E-06	2.74E-07	4.47E-07	7.09E-07	1.25E-07	7.89E-08	2.93E-06
178	487258.74	3856986.11	3.97E-03	4.86E-03	4.27E-03	1.38E-06	4.16E-06	2.41E-06	2.95E-06	2.67E-06	1.22E-06	1.07E-06	4.60E-08	1.11E-06	2.45E-07	4.00E-07	6.35E-07	1.12E-07	7.06E-08	2.62E-06
179	487308.74	3856986.11	3.63E-03	4.45E-03	3.90E-03	1.26E-06	3.80E-06	2.20E-06	2.69E-06	2.44E-06	1.11E-06	9.77E-07	4.20E-08	1.01E-06	2.24E-07	3.66E-07	5.80E-07	1.02E-07	6.45E-08	2.39E-06
180	487358.74	3856986.11	3.35E-03	4.10E-03	3.60E-03	1.16E-06	3.50E-06	2.03E-06	2.48E-06	2.25E-06	1.03E-06	9.01E-07	3.88E-08	9.36E-07	2.07E-07	3.37E-07	5.35E-07	9.43E-08	5.95E-08	2.21E-06
181	487208.74	3857036.11	4.25E-03	5.20E-03	4.56E-03	1.47E-06	4.45E-06	2.57E-06	3.15E-06	2.86E-06	1.30E-06	1.14E-06	4.92E-08	1.19E-06	2.62E-07	4.28E-07	6.79E-07	1.20E-07	7.53E-08	2.80E-06
182	487258.74	3857036.11	3.89E-03	4.77E-03	4.17E-03	1.35E-06	4.08E-06	2.36E-06	2.89E-06	2.62E-06	1.20E-06	1.05E-06	4.51E-08	1.09E-06	2.40E-07	3.92E-07	6.22E-07	1.10E-07	6.90E-08	2.57E-06
183	487308.74	3857036.11	3.60E-03	4.40E-03	3.85E-03	1.25E-06	3.76E-06	2.18E-06	2.67E-06	2.42E-06	1.10E-06	9.65E-07	4.16E-08	1.01E-06	2.22E-07	3.62E-07	5.75E-07	1.01E-07	6.37E-08	2.37E-06
184	487358.74	3857036.11	3.35E-03	4.10E-03	3.59E-03	1.16E-06	3.51E-06	2.03E-06	2.49E-06	2.25E-06	1.03E-06	8.99E-07	3.88E-08	9.37E-07	2.07E-07	3.37E-07	5.35E-07	9.44E-08	5.93E-08	2.21E-06
185	487427.14	3856878.23	2.94E-03	3.61E-03	3.17E-03	1.02E-06	3.08E-06	1.78E-06	2.18E-06	1.98E-06	9.03E-07	7.94E-07	3.41E-08	8.23E-07	1.82E-07	2.97E-07	4.70E-07	8.29E-08	5.24E-08	1.94E-06
186	487477.14	3856878.23	2.77E-03	3.39E-03	2.98E-03	9.61E-07	2.90E-06	1.68E-06	2.06E-06	1.86E-06	8.51E-07	7.47E-07	3.21E-08	7.75E-07	1.71E-07	2.79E-07	4.43E-07	7.81E-08	4.93E-08	1.83E-06
187	487527.14	3856878.23	2.62E-03	3.21E-03	2.82E-03	9.09E-07	2.74E-06	1.59E-06	1.95E-06	1.76E-06	8.05E-07	7.07E-07	3.03E-08	7.33E-07	1.62E-07	2.64E-07	4.19E-07	7.38E-08	4.66E-08	1.73E-06
188	487427.14	3856928.23	3.01E-03	3.69E-03	3.24E-03	1.04E-06	3.15E-06	1.82E-06	2.23E-06	2.03E-06	9.24E-07	8.12E-07	3.49E-08	8.42E-07	1.86E-07	3.03E-07	4.81E-07	8.48E-08	5.35E-08	1.99E-06
189	487477.14	3856928.23	2.83E-03	3.47E-03	3.04E-03	9.81E-07	2.96E-06	1.72E-06	2.10E-06	1.90E-06	8.69E-07	7.63E-07	3.28E-08	7.91E-07	1.75E-07	2.85E-07	4.52E-07	7.97E-08	5.03E-08	1.87E-06
190	487527.14	3856928.23	2.67E-03	3.27E-03	2.87E-03	9.26E-07	2.80E-06	1.62E-06	1.98E-06	1.80E-06	8.20E-07	7.20E-07	3.09E-08	7.47E-07	1.65E-07	2.69E-07	4.27E-07	7.53E-08	4.75E-08	1.76E-06
191	487577.14	3856928.23	2.53E-03	3.10E-03	2.72E-03	8.78E-07	2.65E-06	1.54E-06	1.88E-06	1.70E-06	7.78E-07	6.82E-07	2.93E-08	7.09E-07	1.56E-07	2.55E-07	4.05E-07	7.14E-08	4.50E-08	1.67E-06
192	487627.14	3856928.23	2.42E-03	2.96E-03	2.59E-03	8.37E-07	2.53E-06	1.46E-06	1.79E-06	1.62E-06	7.41E-07	6.50E-07	2.79E-08	6.75E-07	1.49E-07	2.43E-07	3.86E-07	6.80E-08	4.29E-08	1.59E-06
193	487677.14	3856928.23	2.31E-03	2.82E-03	2.47E-03	7.99E-07	2.41E-06	1.40E-06	1.71E-06	1.55E-06	7.07E-07	6.20E-07	2.67E-08	6.44E-07	1.42E-07	2.32E-07	3.68E-07	6.49E-08	4.09E-08	1.52E-06
194	487727.14	3856928.23	2.21E-03	2.70E-03	2.37E-03	7.64E-07	2.31E-06	1.34E-06	1.64E-06	1.48E-06	6.77E-07	5.93E-07	2.55E-08	6.16E-07	1.36E-07	2.22E-07	3.52E-07	6.21E-08	3.91E-08	1.45E-06
195	487777.14	3856928.23	2.12E-03	2.59E-03	2.27E-03	7.33E-07	2.21E-06	1.28E-06	1.57E-06	1.42E-06	6.49E-07	5.69E-07	2.45E-08	5.92E-07	1.31E-07	2.13E-07	3.38E-07	5.96E-08	3.75E-08	1.40E-06
196	487427.14	3856978.23	3.05E-03	3.73E-03	3.27E-03	1.06E-06	3.19E-06	1.85E-06	2.26E-06	2.05E-06	9.35E-07	8.20E-07	3.53E-08	8.52E-07	1.88E-07	3.07E-07	4.87E-07	8.58E-08	5.41E-08	2.01E-06
197	487477.14	3856978.23	2.87E-03	3.51E-03	3.07E-03	9.93E-07	3.00E-06	1.74E-06	2.13E-06	1.93E-06	8.79E-07	7.70E-07	3.32E-08	8.01E-07	1.77E-07	2.89E-07	4.58E-07	8.07E-08	5.08E-08	1.89E-06
198	487527.14	3856978.23	2.71E-03	3.32E-03	2.90E-03	9.38E-07	2.83E-06	1.64E-06	2.01E-06	1.82E-06	8.31E-07	7.28E-07	3.13E-08	7.57E-07	1.67E-07	2.73E-07	4.33E-07	7.62E-08	4.80E-08	1.78E-06
199	487577.14	3856978.23	2.57E-03	3.15E-03	2.76E-03	8.91E-07	2.69E-06	1.56E-06	1.91E-06	1.73E-06	7.89E-07	6.90E-07	2.97E-08	7.19E-07	1.59E-07	2.59E-07	4.11E-07	7.24E-08	4.55E-08	1.69E-06
200	487627.14	3856978.23	2.45E-03	3.00E-03	2.63E-03	8.49E-07	2.56E-06	1.48E-06	1.82E-06	1.65E-06	7.52E-07	6.58E-07	2.84E-08	6.85E-07	1.51E-07	2.47E-07	3.92E-07	6.90E-08	4.34E-08	1.62E-06
201	487677.14	3856978.23	2.34E-03	2.86E-03	2.51E-03	8.11E-07	2.45E-06	1.42E-06	1.74E-06	1.57E-06	7.18E-07	6.28E-07	2.71E-08	6.54E-07	1.44E-07	2.36E-07	3.74E-07	6.59E-08	4.14E-08	1.54E-06
202	487727.14	3856978.23	2.25E-03	2.75E-03	2.40E-03	7.78E-07	2.35E-06	1.36E-06	1.67E-06	1.51E-06	6.89E-07	6.03E-07	2.60E-08	6.28E-07	1.39E-07	2.26E-07	3.59E-07	6.32E-08	3.97E-08	1.48E-06
203	487777.14	3856978.23	2.15E-03	2.63E-03	2.30E-03	7.44E-07	2.25E-06	1.30E-06	1.59E-06	1.44E-06	6.59E-07	5.76E-07	2.48E-08	6.00E-07	1.32E-07	2.16E-07	3.43E-07	6.04E-08	3.80E-08	1.41E-06
204	487427.14	3857028.23	3.07E-03	3.76E-03	3.28E-03	1.06E-06	3.21E-06	1.86E-06	2.28E-06	2.06E-06	9.41E-07	8.23E-07	3.55E-08	8.57E-07	1.89E-07	3.09E-07	4.90E-07	8.64E-08	5.43E-08	2.02E-06
205	487477.14	3857028.23	2.89E-03	3.54E-03	3.10E-03	1.00E-06	3.03E-06	1.75E-06	2.15E-06	1.95E-06	8.88E-07	7.76E-07	3.35E-08	8.09E-07	1.79E-07	2.91E-07	4.62E-07	8.15E-08	5.12E-08	1.91E-06
206	487527.14	3857028.23	2.74E-03	3.36E-03	2.93E-03	9.51E-07	2.87E-06	1.66E-06	2.03E-06	1.84E-06	8.42E-07	7.35E-07	3.17E-08	7.67E-07	1.69E-07	2.76E-07	4.38E-07	7.72E-08	4.85E-08	1.81E-06
207	487577.14	3857028.23	2.61E-03	3.19E-03	2.79E-03	9.03E-07	2.73E-06	1.58E-06	1.93E-06	1.75E-06	8.00E-07	6.98E-07	3.02E-08	7.29E-07	1.61E-07	2.63E-07	4.17E-07	7.34E-08	4.61E-08	1.72E-06
208	487627.14	3857028.23	2.49E-03	3.05E-03	2.66E-03	8.63E-07	2.60E-06	1.51E-06	1.85E-06	1.67E-06	7.64E-07	6.67E-07	2.88E-08	6.96E-07	1.54E-07	2.51E-07	3.98E-07	7.01E-08	4.40E-08	1.64E-06
209	487677.14	3857028.23	2.38E-03	2.91E-03	2.54E-03	8.24E-07	2.49E-06	1.44E-06	1.76E-06	1.60E-06	7.30E-07	6.37E-07	2.75E-08	6.65E-07	1.47E-07	2.39E-07	3.80E-07	6.70E-08	4.20E-08	1.57E-06
210	487727.14	3857028.23	2.27E-03	2.78E-03	2.43E-03	7.88E-07	2.38E-06	1.38E-06	1.69E-06	1.53E-06	6.98E-07	6.09E-07	2.63E-08	6.36E-07	1.40E-07	2.29E-07	3.63E-07	6.40E-08	4.02E-08	1.50E-06
211	487777.14	3857028.23	2.18E-03	2.67E-03	2.33E-03	7.56E-07	2.28E-06	1.32E-06	1.62E-06	1.47E-06	6.69E-07	5.84E-07	2.52E-08	6.10E-07	1.35E-07	2.20E-07	3.49E-07	6.14E-08	3.85E-08	1.44E-06
212	487427.14	3857078.23	3.12E-03	3.82E-03	3.32E-03	1.08E-06	3.26E-06	1.89E-06	2.31E-06	2.10E-06	9.57E-07	8.33E-07	3.61E-08	8.72E-07	1.92E-07	3.14E-07	4.98E-07	8.78E-08	5.49E-08	2.06E-06
213	487477.14	3857078.23	2.95E-03	3.61E-03	3.14E-03	1.02E-06	3.09E-06	1.79E-06	2.19E-06	1.98E-06	9.05E-07	7.88E-07	3.41E-08	8.25E-07	1.82E-07	2.97E-07	4.71E-07	8.31E-08	5.20E-08	1.94E-06
214	487527.14	3857078.23	2.80E-03	3.42E-03	2.98E-03	9.69E-07	2.93E-06	1.69E-06	2.07E-06	1.88E-06	8.58E-07	7.47E-07	3.24E-08	7.82E-07	1.72E-07	2.82E-07	4.47E-07	7.87E-08	4.93E-08	1.84E-06
215	487577.14	3857078.23	2.66E-03	3.26E-03	2.83E-03	9.22E-07	2.78E-06	1.61E-06	1.97E-06	1.79E-06	8.16E-07	7.10E-07	3.08E-08	7.44E-07	1.64E-07	2.68E-07	4.25E-07	7.49E-08	4.69E-08	1.75E-06
216	487627.14	3857078.23	2.54E-03	3.11E-03	2.71E-03	8.80E-07	2.66E-06	1.54E-06	1.88E-06	1.71E-06	7.79E-07	6.78E-07	2.94E-08	7.10E-07	1.57E-07	2.56E-07	4.06E-07	7.15E-08	4.47E-08	1.67E-06
217	487677.14	3857078.23	2.43E-03	2.97E-03	2.58E-03	8.41E-07	2.54E-06	1.47E-06	1.80E-06	1.63E-06	7.44E-07	6.48E-07	2.81E-08	6.78E-07	1.50E-07	2.44E-07	3.88E-07	6.83E-08	4.27E-08	1.60E-06
218	487727.14	3857078.23	2.32E-03	2.84E-03	2.47E-03	8.04E-07	2.43E-06	1.41E-06	1.72E-06	1.56E-06	7.12E-07	6.19E-07	2.69E-08	6.49E-07	1.43E-07	2.34E-07	3.71E-07	6.53E-08	4.09E-08	1.53E-06
219	487777.14	3857078.23	2.23E-03	2.73E-03	2.37E-03	7.72E-07	2.33E-06	1.35E-06	1.65E-06	1.50E-06	6.83E-07	5.95E-07	2.58E-08	6.23E-07	1.37E-07	2.24E-07	3.56E-07	6.27E-08	3.92E-08	1.47E-06
220	487427.14	3857128.23	3.23E-03	3.96E-03	3.43E-03	1.12E-06	3.38E-06	1.96E-06	2.40E-06	2.17E-06	9.92E-07	8.59E-07	3.74E-08	9.04E-07	1.99E-07	3.26E-07	5.16E-07	9.10E-08	5.67E-08	2.13E-06
221	487477.14	3857128.23	3.05E-03	3.74E-03	3.24E-03	1.06E-06	3.19E-06	1.85E-06	2.26E-06	2.05E-06	9.36E-07	8.11E-07	3.53E-08	8.53E-07	1.88E-07	3.07E-07	4.88E-07	8.59E-08	5.35E-08	2.01E-06
222	487527.14	3857128.23	2.89E-03	3.54E-03	3.07E-03	1.00E-06	3.02E-06	1.75E-06	2.14E-06	1.94E-06	8.87E-07	7.69E-07	3.35E-08	8.08E-07	1.78E-07	2.91E-07	4.62E-07	8.14E-08	5.07E-08	1.90E-06
223	487577.14	3857128.23	2.74E-03	3.36E-03	2.91E-03	9.51E-07	2.87E-06	1.66E-06	2.03E-06	1.84E-06	8.42E-07	7.30E-07	3.17E-08	7.67E-07	1.69E-07	2.76E-07	4.38E-07	7.72E-08	4.81E-08	1.81E-06
224	487627.14	3857128.23	2.61E-03	3.20E-03	2.77E-03	9.04E-07	2.73E-06	1.58E-06	1.94E-06	1.76E-06	8.01E-07	6.95E-07	3.02E-08	7.30E-07	1.61E-07	2.63E-07	4.17E-07	7.35E-08	4.58E-08	1.72E-06
225	487677.14	3857128.23	2.49E-03	3.05E-03	2.65E-03	8.64E-07	2.61E-06	1.51E-06	1.85E-06	1.68E-06	7.65E-07	6.63E-07	2.88E-08	6.97E-07	1.54E-07	2.51E-07	3.98E-07	7.02E-08	4.38E-08	1.64E-06
226	487727.14	3857128.23	2.38E-03	2.91E-03	2.53E-03	8.24E-07	2.49E-06	1.44E-06	1.76E-06	1.60E-06	7.30E-07	6.33E-07	2.75E-08	6.65E-07	1.47E-07	2.40E-07	3.80E-07	6.70E-08	4.18E-08	1.57E-06
227	487777.14	3857128.23	2.28E-03	2.79E-03	2.42E-03	7.90E-07	2.39E-06	1.38E-06	1.69E-06	1.53E-06	7.00E-07	6.07E-07	2.64E-08	6.38E-07	1.41E-07	2.30E-07	3.64E-07	6.42E-08	4.01E-08	1.50E-06
228	488049.44	3856539.39	1.51E-03	1.85E-03	1.63E-03	5.24E-07	1.58E-06	9.16E-07	1.12E-06	1.02E-06	4.64E-07	4.08E-07	1.75E-08	4.23E-07	9.33E-08	1.52E-07	2.42E-07	4.26E-08	2.69E-08	9.97E-07
229	488099.44	3856539.39	1.47E-03	1.80E-03	1.59E-03	5.11E-07	1.54E-06	8.92E-07	1.09E-06	9.91E-07	4.52E-07	3.97E-07	1.70E-08	4.12E-07	9.09E-08	1.48E-07	2.35E-07	4.15E-08	2.62E-08	9.71E-07
230	488149.44	3856539.39	1.44E-03	1.76E-03	1.55E-03	4.98E-07	1.50E-06	8.70E-07	1.07E-06	9.66E-07	4.41E-07	3.87E-07	1.66E-08	4.01E-07	8.86E-08	1.45E-07	2.29E-07	4.04E-08	2.55E-08	9.47E-07
231	488049.44	3856589.39	1.55E-03	1.89E-03	1.66E-03	5.36E-07	1.62E-06	9.36E-07	1.15E-06	1.04E-06	4.74E-07	4.17E-07	1.79E-08	4.32E-07	9.53E-08	1.56E-07	2.47E-07	4.35E-08	2.75E-08	1.02E-06
232	488099.44	3856589.39	1.50E-03	1.84E-03	1.62E-03	5.21E-07	1.57E-06	9.11E-07	1.12E-06	1.01E-06	4.62E-07	4.06E-07	1.74E-08	4.21E-07	9.28E-08	1.52E-07	2.40E-07	4.24E-08	2.68E-08	9.92E-07
233	488149.44	3856589.39	1.47E-03	1.79E-03	1.58E-03	5.08E-07	1.53E-06	8.88E-07	1.09E-06	9.86E-07	4.50E-07	3.95E-07	1.70E-08	4.10E-07	9.04E-08	1.48E-07	2.34E-07	4.13E-08	2.61E-08	9.66E-07
234	488199.44	3856589.39	1.43E-03	1.75E-03	1.54E-03	4.95E-07	1.49E-06	8.65E-07	1.06E-06	9.61E-07	4.38E-07	3.85E-07	1.65E-08	3.99E-07	8.81E-08	1.44E-07	2.28E-07	4.02E-08	2.54E-08	9.42E-07
235	488249.44	3856589.39	1.39E-03	1.70E-03	1.50E-03	4.82E-07	1.46E-06	8.43E-07	1.03E-06	9.36E-07	4.27E-07	3.75E-07	1.61E-08	3.89E-07	8.58E-08	1.40E-07	2.22E-07	3.92E-08	2.47E-08	9.18E-07
236	488049.44	3856639.39	1.58E-03	1.93E-03	1.70E-03	5.47E-07	1.65E-06	9.56E-07	1.17E-06	1.06E-06	4.84E-07	4.26E-07	1.83E-08	4.41E-07	9.73E-08	1.59E-07	2.52E-07	4.44E-08	2.81E-08	1.04E-06
237	488099.44	3856639.39	1.54E-03	1.88E-03	1.65E-03	5.32E-07	1.61E-06	9.30E-07	1.14E-06	1.03E-06	4.71E-07	4.14E-07	1.78E-08	4.29E-07	9.47E-08	1.55E-07	2.45E-07	4.32E-08	2.73E-08	1.01E-06

238	488149.44	3856639.39	1.49E-03	1.83E-03	1.61E-03	5.18E-07	1.56E-06	9.05E-07	1.11E-06	1.00E-06	4.59E-07	4.03E-07	1.73E-08	4.18E-07	9.22E-08	1.51E-07	2.39E-07	4.21E-08	2.66E-08	9.85E-07
239	488199.44	3856639.39	1.45E-03	1.78E-03	1.56E-03	5.04E-07	1.52E-06	8.81E-07	1.08E-06	9.78E-07	4.46E-07	3.92E-07	1.68E-08	4.07E-07	8.97E-08	1.47E-07	2.32E-07	4.10E-08	2.59E-08	9.59E-07
240	488249.44	3856639.39	1.42E-03	1.74E-03	1.52E-03	4.91E-07	1.48E-06	8.59E-07	1.05E-06	9.53E-07	4.35E-07	3.82E-07	1.64E-08	3.96E-07	8.74E-08	1.43E-07	2.26E-07	3.99E-08	2.52E-08	9.34E-07
241	488299.44	3856639.39	1.38E-03	1.69E-03	1.49E-03	4.79E-07	1.45E-06	8.37E-07	1.02E-06	9.29E-07	4.24E-07	3.72E-07	1.60E-08	3.86E-07	8.52E-08	1.39E-07	2.21E-07	3.89E-08	2.46E-08	9.11E-07
242	488349.44	3856639.39	1.35E-03	1.65E-03	1.45E-03	4.67E-07	1.41E-06	8.17E-07	1.00E-06	9.07E-07	4.14E-07	3.63E-07	1.56E-08	3.77E-07	8.32E-08	1.36E-07	2.15E-07	3.80E-08	2.40E-08	8.89E-07
243	488399.44	3856639.39	1.32E-03	1.61E-03	1.41E-03	4.56E-07	1.38E-06	7.97E-07	9.76E-07	8.84E-07	4.04E-07	3.54E-07	1.52E-08	3.68E-07	8.11E-08	1.32E-07	2.10E-07	3.70E-08	2.34E-08	8.67E-07
244	488099.44	3856689.39	1.56E-03	1.92E-03	1.68E-03	5.42E-07	1.64E-06	9.47E-07	1.16E-06	1.05E-06	4.80E-07	4.21E-07	1.81E-08	4.37E-07	9.65E-08	1.58E-07	2.50E-07	4.40E-08	2.78E-08	1.03E-06
245	488149.44	3856689.39	1.52E-03	1.86E-03	1.64E-03	5.27E-07	1.59E-06	9.22E-07	1.13E-06	1.02E-06	4.67E-07	4.10E-07	1.76E-08	4.25E-07	9.39E-08	1.53E-07	2.43E-07	4.28E-08	2.70E-08	1.00E-06
246	488199.44	3856689.39	1.48E-03	1.81E-03	1.59E-03	5.13E-07	1.55E-06	8.97E-07	1.10E-06	9.95E-07	4.54E-07	3.99E-07	1.71E-08	4.14E-07	9.13E-08	1.49E-07	2.37E-07	4.17E-08	2.63E-08	9.76E-07
247	488249.44	3856689.39	1.44E-03	1.77E-03	1.55E-03	5.00E-07	1.51E-06	8.73E-07	1.07E-06	9.70E-07	4.42E-07	3.88E-07	1.67E-08	4.03E-07	8.89E-08	1.45E-07	2.30E-07	4.06E-08	2.56E-08	9.51E-07
248	488299.44	3856689.39	1.40E-03	1.72E-03	1.51E-03	4.87E-07	1.47E-06	8.51E-07	1.04E-06	9.44E-07	4.31E-07	3.78E-07	1.62E-08	3.93E-07	8.66E-08	1.41E-07	2.24E-07	3.95E-08	2.49E-08	9.26E-07
249	488349.44	3856689.39	1.37E-03	1.68E-03	1.47E-03	4.75E-07	1.43E-06	8.30E-07	1.02E-06	9.21E-07	4.20E-07	3.69E-07	1.58E-08	3.83E-07	8.45E-08	1.38E-07	2.19E-07	3.86E-08	2.43E-08	9.03E-07
250	488399.44	3856689.39	1.34E-03	1.64E-03	1.44E-03	4.63E-07	1.40E-06	8.10E-07	9.92E-07	8.99E-07	4.10E-07	3.60E-07	1.55E-08	3.74E-07	8.25E-08	1.35E-07	2.14E-07	3.77E-08	2.37E-08	8.81E-07
251	488099.44	3856739.39	1.59E-03	1.95E-03	1.71E-03	5.51E-07	1.66E-06	9.64E-07	1.18E-06	1.07E-06	4.88E-07	4.28E-07	1.84E-08	4.45E-07	9.81E-08	1.60E-07	2.54E-07	4.48E-08	2.83E-08	1.05E-06
252	488149.44	3856739.39	1.55E-03	1.90E-03	1.66E-03	5.36E-07	1.62E-06	9.37E-07	1.15E-06	1.04E-06	4.75E-07	4.17E-07	1.79E-08	4.33E-07	9.55E-08	1.56E-07	2.47E-07	4.36E-08	2.75E-08	1.02E-06
253	488199.44	3856739.39	1.50E-03	1.84E-03	1.62E-03	5.21E-07	1.57E-06	9.11E-07	1.12E-06	1.01E-06	4.61E-07	4.05E-07	1.74E-08	4.20E-07	9.28E-08	1.51E-07	2.40E-07	4.24E-08	2.67E-08	9.91E-07
254	488249.44	3856739.39	1.46E-03	1.79E-03	1.57E-03	5.07E-07	1.53E-06	8.87E-07	1.09E-06	9.85E-07	4.49E-07	3.94E-07	1.69E-08	4.09E-07	9.03E-08	1.47E-07	2.34E-07	4.12E-08	2.60E-08	9.65E-07
255	488299.44	3856739.39	1.43E-03	1.75E-03	1.53E-03	4.95E-07	1.49E-06	8.65E-07	1.06E-06	9.60E-07	4.38E-07	3.84E-07	1.65E-08	3.99E-07	8.81E-08	1.44E-07	2.28E-07	4.02E-08	2.53E-08	9.41E-07
256	488349.44	3856739.39	1.39E-03	1.70E-03	1.49E-03	4.82E-07	1.45E-06	8.42E-07	1.03E-06	9.35E-07	4.26E-07	3.74E-07	1.61E-08	3.88E-07	8.57E-08	1.40E-07	2.22E-07	3.91E-08	2.47E-08	9.16E-07
257	488399.44	3856739.39	1.35E-03	1.66E-03	1.45E-03	4.69E-07	1.42E-06	8.20E-07	1.00E-06	9.10E-07	4.15E-07	3.64E-07	1.57E-08	3.78E-07	8.35E-08	1.36E-07	2.16E-07	3.81E-08	2.40E-08	8.92E-07
258	487999.44	3856789.39	1.72E-03	2.11E-03	1.85E-03	5.97E-07	1.80E-06	1.04E-06	1.28E-06	1.16E-06	5.29E-07	4.64E-07	1.99E-08	4.81E-07	1.06E-07	1.73E-07	2.75E-07	4.85E-08	3.06E-08	1.14E-06
259	488049.44	3856789.39	1.67E-03	2.04E-03	1.79E-03	5.79E-07	1.75E-06	1.01E-06	1.24E-06	1.12E-06	5.12E-07	4.49E-07	1.93E-08	4.67E-07	1.03E-07	1.68E-07	2.67E-07	4.70E-08	2.96E-08	1.10E-06
260	488099.44	3856789.39	1.62E-03	1.98E-03	1.74E-03	5.61E-07	1.69E-06	9.80E-07	1.20E-06	1.09E-06	4.97E-07	4.35E-07	1.87E-08	4.52E-07	9.98E-08	1.63E-07	2.59E-07	4.56E-08	2.87E-08	1.07E-06
261	488149.44	3856789.39	1.57E-03	1.93E-03	1.69E-03	5.45E-07	1.65E-06	9.52E-07	1.17E-06	1.06E-06	4.82E-07	4.23E-07	1.82E-08	4.39E-07	9.70E-08	1.58E-07	2.51E-07	4.43E-08	2.79E-08	1.04E-06
262	488199.44	3856789.39	1.53E-03	1.87E-03	1.64E-03	5.29E-07	1.60E-06	9.25E-07	1.13E-06	1.03E-06	4.69E-07	4.11E-07	1.77E-08	4.27E-07	9.42E-08	1.54E-07	2.44E-07	4.30E-08	2.71E-08	1.01E-06
263	488249.44	3856789.39	1.49E-03	1.82E-03	1.60E-03	5.15E-07	1.56E-06	9.00E-07	1.10E-06	9.99E-07	4.56E-07	4.00E-07	1.72E-08	4.15E-07	9.17E-08	1.50E-07	2.37E-07	4.19E-08	2.64E-08	9.80E-07
264	488299.44	3856789.39	1.45E-03	1.77E-03	1.55E-03	5.02E-07	1.52E-06	8.77E-07	1.07E-06	9.74E-07	4.44E-07	3.89E-07	1.68E-08	4.05E-07	8.93E-08	1.46E-07	2.31E-07	4.08E-08	2.57E-08	9.55E-07
265	488349.44	3856789.39	1.41E-03	1.72E-03	1.51E-03	4.88E-07	1.47E-06	8.53E-07	1.04E-06	9.47E-07	4.32E-07	3.79E-07	1.63E-08	3.94E-07	8.69E-08	1.42E-07	2.25E-07	3.97E-08	2.50E-08	9.28E-07
266	488399.44	3856789.39	1.37E-03	1.68E-03	1.47E-03	4.75E-07	1.44E-06	8.31E-07	1.02E-06	9.22E-07	4.21E-07	3.69E-07	1.59E-08	3.83E-07	8.46E-08	1.38E-07	2.19E-07	3.86E-08	2.43E-08	9.04E-07
267	487949.44	3856839.39	1.81E-03	2.22E-03	1.94E-03	6.28E-07	1.89E-06	1.10E-06	1.34E-06	1.22E-06	5.56E-07	4.87E-07	2.10E-08	5.06E-07	1.12E-07	1.82E-07	2.89E-07	5.10E-08	3.21E-08	1.19E-06
268	487999.44	3856839.39	1.75E-03	2.15E-03	1.88E-03	6.07E-07	1.83E-06	1.06E-06	1.30E-06	1.18E-06	5.38E-07	4.71E-07	2.03E-08	4.90E-07	1.08E-07	1.76E-07	2.80E-07	4.93E-08	3.11E-08	1.15E-06
269	488049.44	3856839.39	1.70E-03	2.08E-03	1.82E-03	5.88E-07	1.78E-06	1.03E-06	1.26E-06	1.14E-06	5.21E-07	4.56E-07	1.96E-08	4.74E-07	1.05E-07	1.71E-07	2.71E-07	4.78E-08	3.01E-08	1.12E-06
270	488099.44	3856839.39	1.64E-03	2.01E-03	1.76E-03	5.70E-07	1.72E-06	9.96E-07	1.22E-06	1.11E-06	5.04E-07	4.42E-07	1.90E-08	4.60E-07	1.01E-07	1.66E-07	2.63E-07	4.63E-08	2.92E-08	1.08E-06
271	488149.44	3856839.39	1.59E-03	1.95E-03	1.71E-03	5.53E-07	1.67E-06	9.66E-07	1.18E-06	1.07E-06	4.89E-07	4.29E-07	1.85E-08	4.46E-07	9.84E-08	1.61E-07	2.55E-07	4.49E-08	2.83E-08	1.05E-06
272	488199.44	3856839.39	1.55E-03	1.90E-03	1.66E-03	5.37E-07	1.62E-06	9.38E-07	1.15E-06	1.04E-06	4.75E-07	4.16E-07	1.79E-08	4.33E-07	9.55E-08	1.56E-07	2.47E-07	4.36E-08	2.75E-08	1.02E-06
273	487949.44	3856889.39	1.84E-03	2.25E-03	1.97E-03	6.38E-07	1.93E-06	1.12E-06	1.37E-06	1.24E-06	5.65E-07	4.95E-07	2.13E-08	5.15E-07	1.14E-07	1.85E-07	2.94E-07	5.18E-08	3.26E-08	1.21E-06
274	487999.44	3856889.39	1.78E-03	2.18E-03	1.91E-03	6.16E-07	1.86E-06	1.08E-06	1.32E-06	1.20E-06	5.45E-07	4.78E-07	2.06E-08	4.97E-07	1.10E-07	1.79E-07	2.84E-07	5.01E-08	3.15E-08	1.17E-06
275	488049.44	3856889.39	1.72E-03	2.11E-03	1.85E-03	5.97E-07	1.80E-06	1.04E-06	1.28E-06	1.16E-06	5.29E-07	4.63E-07	1.99E-08	4.82E-07	1.06E-07	1.74E-07	2.75E-07	4.85E-08	3.05E-08	1.14E-06
276	488099.44	3856889.39	1.67E-03	2.04E-03	1.79E-03	5.78E-07	1.74E-06	1.01E-06	1.24E-06	1.12E-06	5.12E-07	4.48E-07	1.93E-08	4.66E-07	1.03E-07	1.68E-07	2.66E-07	4.70E-08	2.95E-08	1.10E-06
277	488635.86	3857895.05	1.15E-03	1.41E-03	1.24E-03	3.99E-07	1.21E-06	6.98E-07	8.55E-07	7.75E-07	3.54E-07	3.10E-07	1.33E-08	3.22E-07	7.11E-08	1.16E-07	1.84E-07	3.24E-08	2.04E-08	7.60E-07
278	489137.64	3857804.15	9.17E-04	1.12E-03	9.83E-04	3.18E-07	9.60E-07	5.56E-07	6.80E-07	6.17E-07	2.81E-07	2.46E-07	1.06E-08	2.56E-07	5.66E-08	9.24E-08	1.47E-07	2.58E-08	1.62E-08	6.05E-07
279	488617.32	3857859.41	1.19E-03	1.46E-03	1.27E-03	4.12E-07	1.24E-06	7.20E-07	8.82E-07	7.99E-07	3.65E-07	3.19E-07	1.38E-08	3.32E-07	7.33E-08	1.20E-07	1.90E-07	3.35E-08	2.11E-08	7.84E-07
280	488667.32	3857859.41	1.15E-03	1.41E-03	1.23E-03	3.99E-07	1.20E-06	6.97E-07	8.54E-07	7.74E-07	3.53E-07	3.09E-07	1.33E-08	3.22E-07	7.10E-08	1.16E-07	1.84E-07	3.24E-08	2.04E-08	7.59E-07
281	488717.32	3857859.41	1.12E-03	1.37E-03	1.20E-03	3.87E-07	1.17E-06	6.76E-07	8.28E-07	7.51E-07	3.43E-07	3.00E-07	1.29E-08	3.12E-07	6.89E-08	1.12E-07	1.78E-07	3.14E-08	1.98E-08	7.36E-07
282	488767.32	3857859.41	1.08E-03	1.33E-03	1.16E-03	3.75E-07	1.13E-06	6.56E-07	8.03E-07	7.28E-07	3.32E-07	2.91E-07	1.25E-08	3.03E-07	6.68E-08	1.09E-07	1.73E-07	3.05E-08	1.92E-08	7.14E-07
283	488617.32	3857909.41	1.16E-03	1.42E-03	1.24E-03	4.01E-07	1.21E-06	7.01E-07	8.59E-07	7.78E-07	3.55E-07	3.11E-07	1.34E-08	3.24E-07	7.14E-08	1.17E-07	1.85E-07	3.26E-08	2.05E-08	7.63E-07
284	488667.32	3857909.41	1.12E-03	1.37E-03	1.20E-03	3.88E-07	1.17E-06	6.79E-07	8.31E-07	7.53E-07	3.44E-07	3.01E-07	1.30E-08	3.13E-07	6.91E-08	1.13E-07	1.79E-07	3.15E-08	1.99E-08	7.39E-07
285	488717.32	3857909.41	1.09E-03	1.33E-03	1.17E-03	3.77E-07	1.14E-06	6.60E-07	8.08E-07	7.32E-07	3.34E-07	2.93E-07	1.26E-08	3.04E-07	6.72E-08	1.10E-07	1.74E-07	3.07E-08	1.93E-08	7.18E-07
286	488767.32	3857909.41	1.06E-03	1.29E-03	1.13E-03	3.66E-07	1.11E-06	6.41E-07	7.84E-07	7.11E-07	3.24E-07	2.84E-07	1.22E-08	2.96E-07	6.52E-08	1.06E-07	1.69E-07	2.98E-08	1.87E-08	6.97E-07
287	488417.32	3857959.41	1.30E-03	1.59E-03	1.39E-03	4.50E-07	1.36E-06	7.86E-07	9.62E-07	8.72E-07	3.98E-07	3.49E-07	1.50E-08	3.63E-07	8.00E-08	1.31E-07	2.07E-07	3.65E-08	2.30E-08	8.55E-07
288	488467.32	3857959.41	1.25E-03	1.53E-03	1.34E-03	4.33E-07	1.31E-06	7.57E-07	9.27E-07	8.40E-07	3.83E-07	3.36E-07	1.45E-08	3.49E-07	7.71E-08	1.26E-07	2.00E-07	3.52E-08	2.22E-08	8.24E-07
289	488517.32	3857959.41	1.21E-03	1.48E-03	1.30E-03	4.18E-07	1.26E-06	7.31E-07	8.95E-07	8.11E-07	3.70E-07	3.25E-07	1.40E-08	3.37E-07	7.44E-08	1.21E-07	1.93E-07	3.40E-08	2.14E-08	7.95E-07
290	488567.32	3857959.41	1.17E-03	1.43E-03	1.25E-03	4.04E-07	1.22E-06	7.07E-07	8.65E-07	7.84E-07	3.58E-07	3.14E-07	1.35E-08	3.26E-07	7.20E-08	1.17E-07	1.86E-07	3.28E-08	2.07E-08	7.69E-07
291	488617.32	3857959.41	1.13E-03	1.38E-03	1.21E-03	3.92E-07	1.18E-06	6.85E-07	8.38E-07	7.60E-07	3.47E-07	3.04E-07	1.31E-08	3.16E-07	6.97E-08	1.14E-07	1.81E-07	3.18E-08	2.00E-08	7.45E-07
292	488667.32	3857959.41	1.10E-03	1.34E-03	1.18E-03	3.80E-07	1.15E-06	6.64E-07	8.13E-07	7.37E-07	3.36E-07	2.95E-07	1.27E-08	3.06E-07	6.76E-08	1.10E-07	1.75E-07	3.09E-08	1.94E-08	7.22E-07
293	488717.32	3857959.41	1.06E-03	1.30E-03	1.14E-03	3.69E-07	1.11E-06	6.45E-07	7.89E-07	7.16E-07	3.27E-07	2.86E-07	1.23E-08	2.98E-07	6.56E-08	1.07E-07	1.70E-07	3.00E-08	1.89E-08	7.02E-07
294	488767.32	3857959.41	1.03E-03	1.27E-03	1.11E-03	3.59E-07	1.08E-06	6.27E-07	7.68E-07	6.96E-07	3.17E-07	2.78E-07	1.20E-08	2.89E-07	6.38E-08	1.04E-07	1.65E-07	2.91E-08	1.84E-08	6.82E-07
295	488417.32	3858009.41	1.27E-03	1.55E-03	1.36E-03	4.40E-07	1.33E-06	7.69E-07	9.41E-07	8.53E-07	3.89E-07	3.42E-07	1.47E-08	3.55E-07	7.83E-08	1.28E-07	2.03E-07	3.57E-08	2.25E-08	8.37E-07
296	488467.32	3858009.41	1.22E-03	1.50E-03	1.31E-03	4.24E-07	1.28E-06	7.42E-07	9.08E-07	8.23E-07	3.76E-07	3.29E-07	1.42E-08	3.42E-07	7.55E-08	1.23E-07	1.96E-07	3.45E-08	2.17E-08	8.07E-07
297	488517.32	3858009.41	1.18E-03	1.45E-03	1.27E-03	4.10E-07	1.24E-06	7.16E-07	8.77E-07	7.95E-07	3.63E-07	3.18E-07	1.37E-08	3.31E-07	7.29E-08	1.19E-07	1.89E-07	3.33E-08	2.10E-08	7.80E-07
298	488567.32	3858009.41	1.15E-03	1.40E-03	1.23E-03	3.97E-07	1.20E-06	6.94E-07	8.49E-07	7.70E-07	3.51E-07	3.08E-07	1.33E-08	3.20E-07	7.06E-08	1.15E-07	1.83E-07	3.22E-08	2.03E-08	7.55E-07

299	488617.32	3858009.41	1.11E-03	1.36E-03	1.19E-03	3.85E-07	1.16E-06	6.72E-07	8.23E-07	7.46E-07	3.40E-07	2.99E-07	1.28E-08	3.10E-07	6.85E-08	1.12E-07	1.77E-07	3.12E-08	1.97E-08	7.31E-07
300	488667.32	3858009.41	1.08E-03	1.32E-03	1.16E-03	3.73E-07	1.13E-06	6.52E-07	7.98E-07	7.24E-07	3.30E-07	2.89E-07	1.25E-08	3.01E-07	6.64E-08	1.08E-07	1.72E-07	3.03E-08	1.91E-08	7.09E-07
301	488717.32	3858009.41	1.05E-03	1.28E-03	1.12E-03	3.62E-07	1.09E-06	6.33E-07	7.75E-07	7.03E-07	3.21E-07	2.81E-07	1.21E-08	2.92E-07	6.45E-08	1.05E-07	1.67E-07	2.94E-08	1.85E-08	6.89E-07
302	488767.32	3858009.41	1.02E-03	1.24E-03	1.09E-03	3.52E-07	1.06E-06	6.16E-07	7.54E-07	6.84E-07	3.12E-07	2.73E-07	1.18E-08	2.84E-07	6.27E-08	1.02E-07	1.62E-07	2.86E-08	1.80E-08	6.70E-07
303	488417.32	3858059.41	1.26E-03	1.54E-03	1.35E-03	4.35E-07	1.31E-06	7.61E-07	9.32E-07	8.45E-07	3.85E-07	3.38E-07	1.45E-08	3.51E-07	7.75E-08	1.27E-07	2.01E-07	3.54E-08	2.23E-08	8.28E-07
304	488467.32	3858059.41	1.21E-03	1.48E-03	1.30E-03	4.20E-07	1.27E-06	7.34E-07	8.99E-07	8.15E-07	3.72E-07	3.26E-07	1.40E-08	3.39E-07	7.47E-08	1.22E-07	1.94E-07	3.41E-08	2.15E-08	7.99E-07
305	488517.32	3858059.41	1.17E-03	1.43E-03	1.26E-03	4.06E-07	1.22E-06	7.09E-07	8.68E-07	7.87E-07	3.59E-07	3.15E-07	1.35E-08	3.27E-07	7.22E-08	1.18E-07	1.87E-07	3.30E-08	2.08E-08	7.72E-07
306	488567.32	3858059.41	1.13E-03	1.39E-03	1.22E-03	3.93E-07	1.19E-06	6.86E-07	8.40E-07	7.62E-07	3.48E-07	3.05E-07	1.31E-08	3.17E-07	6.99E-08	1.14E-07	1.81E-07	3.19E-08	2.01E-08	7.47E-07
307	488617.32	3858059.41	1.10E-03	1.34E-03	1.18E-03	3.80E-07	1.15E-06	6.64E-07	8.14E-07	7.38E-07	3.37E-07	2.95E-07	1.27E-08	3.07E-07	6.77E-08	1.10E-07	1.75E-07	3.09E-08	1.95E-08	7.23E-07
308	488667.32	3858059.41	1.06E-03	1.30E-03	1.14E-03	3.69E-07	1.11E-06	6.44E-07	7.89E-07	7.15E-07	3.26E-07	2.86E-07	1.23E-08	2.97E-07	6.56E-08	1.07E-07	1.70E-07	3.00E-08	1.89E-08	7.01E-07
309	488417.32	3858109.41	1.26E-03	1.54E-03	1.35E-03	4.36E-07	1.32E-06	7.62E-07	9.33E-07	8.46E-07	3.86E-07	3.39E-07	1.46E-08	3.52E-07	7.76E-08	1.27E-07	2.01E-07	3.54E-08	2.24E-08	8.29E-07
310	488467.32	3858109.41	1.21E-03	1.48E-03	1.30E-03	4.20E-07	1.27E-06	7.34E-07	8.99E-07	8.15E-07	3.72E-07	3.27E-07	1.40E-08	3.39E-07	7.48E-08	1.22E-07	1.94E-07	3.41E-08	2.15E-08	7.99E-07
311	488517.32	3858109.41	1.17E-03	1.43E-03	1.26E-03	4.06E-07	1.23E-06	7.09E-07	8.69E-07	7.87E-07	3.59E-07	3.15E-07	1.36E-08	3.27E-07	7.22E-08	1.18E-07	1.87E-07	3.30E-08	2.08E-08	7.72E-07
312	488567.32	3858109.41	1.13E-03	1.38E-03	1.22E-03	3.92E-07	1.18E-06	6.85E-07	8.39E-07	7.60E-07	3.47E-07	3.05E-07	1.31E-08	3.16E-07	6.97E-08	1.14E-07	1.81E-07	3.18E-08	2.01E-08	7.45E-07
313	488617.32	3858109.41	1.09E-03	1.34E-03	1.18E-03	3.79E-07	1.14E-06	6.62E-07	8.11E-07	7.35E-07	3.35E-07	2.94E-07	1.27E-08	3.06E-07	6.74E-08	1.10E-07	1.75E-07	3.08E-08	1.94E-08	7.21E-07
314	488667.32	3858109.41	1.06E-03	1.30E-03	1.14E-03	3.67E-07	1.11E-06	6.41E-07	7.85E-07	7.11E-07	3.25E-07	2.85E-07	1.22E-08	2.96E-07	6.52E-08	1.07E-07	1.69E-07	2.98E-08	1.88E-08	6.97E-07
315	488769.93	3858449.27	1.18E-03	1.45E-03	1.27E-03	4.09E-07	1.24E-06	7.15E-07	8.76E-07	7.94E-07	3.62E-07	3.19E-07	1.37E-08	3.30E-07	7.28E-08	1.19E-07	1.89E-07	3.33E-08	2.10E-08	7.78E-07
316	488819.93	3858449.27	1.11E-03	1.36E-03	1.20E-03	3.86E-07	1.16E-06	6.74E-07	8.26E-07	7.49E-07	3.42E-07	3.01E-07	1.29E-08	3.11E-07	6.87E-08	1.12E-07	1.78E-07	3.14E-08	1.98E-08	7.34E-07
317	488819.93	3858499.27	1.18E-03	1.45E-03	1.28E-03	4.10E-07	1.24E-06	7.17E-07	8.79E-07	7.97E-07	3.64E-07	3.20E-07	1.37E-08	3.31E-07	7.31E-08	1.19E-07	1.89E-07	3.34E-08	2.11E-08	7.81E-07
318	488869.93	3858499.27	1.11E-03	1.36E-03	1.20E-03	3.86E-07	1.16E-06	6.74E-07	8.26E-07	7.49E-07	3.42E-07	3.01E-07	1.29E-08	3.11E-07	6.86E-08	1.12E-07	1.78E-07	3.14E-08	1.98E-08	7.34E-07
319	488869.93	3858549.27	1.19E-03	1.46E-03	1.28E-03	4.12E-07	1.24E-06	7.20E-07	8.83E-07	8.00E-07	3.65E-07	3.21E-07	1.38E-08	3.32E-07	7.34E-08	1.20E-07	1.90E-07	3.35E-08	2.12E-08	7.84E-07
320	489438.17	3859571.48	2.02E-04	2.47E-04	2.17E-04	6.99E-08	2.11E-07	1.22E-07	1.50E-07	1.36E-07	6.19E-08	5.43E-08	2.33E-09	5.63E-08	1.24E-08	2.03E-08	3.22E-08	5.68E-09	3.58E-09	1.33E-07
321	489488.17	3859571.48	2.01E-04	2.46E-04	2.16E-04	6.97E-08	2.10E-07	1.22E-07	1.49E-07	1.35E-07	6.17E-08	5.41E-08	2.33E-09	5.62E-08	1.24E-08	2.03E-08	3.21E-08	5.66E-09	3.57E-09	1.33E-07
322	489538.17	3859571.48	2.00E-04	2.45E-04	2.15E-04	6.94E-08	2.10E-07	1.21E-07	1.49E-07	1.35E-07	6.15E-08	5.39E-08	2.32E-09	5.60E-08	1.24E-08	2.02E-08	3.20E-08	5.64E-09	3.56E-09	1.32E-07
323	489588.17	3859571.48	1.99E-04	2.44E-04	2.14E-04	6.90E-08	2.08E-07	1.21E-07	1.48E-07	1.34E-07	6.11E-08	5.36E-08	2.30E-09	5.56E-08	1.23E-08	2.01E-08	3.18E-08	5.61E-09	3.53E-09	1.31E-07
324	489438.17	3859621.48	1.93E-04	2.36E-04	2.07E-04	6.68E-08	2.02E-07	1.17E-07	1.43E-07	1.30E-07	5.92E-08	5.19E-08	2.23E-09	5.39E-08	1.19E-08	1.94E-08	3.08E-08	5.43E-09	3.42E-09	1.27E-07
325	489488.17	3859621.48	1.93E-04	2.36E-04	2.07E-04	6.67E-08	2.01E-07	1.17E-07	1.43E-07	1.30E-07	5.91E-08	5.18E-08	2.23E-09	5.38E-08	1.19E-08	1.94E-08	3.08E-08	5.42E-09	3.42E-09	1.27E-07
326	489538.17	3859621.48	1.92E-04	2.35E-04	2.06E-04	6.66E-08	2.01E-07	1.16E-07	1.43E-07	1.29E-07	5.90E-08	5.17E-08	2.22E-09	5.37E-08	1.19E-08	1.94E-08	3.07E-08	5.41E-09	3.41E-09	1.27E-07
327	489588.17	3859621.48	1.92E-04	2.35E-04	2.06E-04	6.64E-08	2.01E-07	1.16E-07	1.42E-07	1.29E-07	5.88E-08	5.16E-08	2.22E-09	5.36E-08	1.18E-08	1.93E-08	3.06E-08	5.40E-09	3.40E-09	1.26E-07
328	489238.17	3859671.48	1.83E-04	2.24E-04	1.96E-04	6.33E-08	1.91E-07	1.11E-07	1.36E-07	1.23E-07	5.61E-08	4.92E-08	2.11E-09	5.11E-08	1.13E-08	1.84E-08	2.92E-08	5.15E-09	3.24E-09	1.20E-07
329	489288.17	3859671.48	1.83E-04	2.24E-04	1.97E-04	6.35E-08	1.92E-07	1.11E-07	1.36E-07	1.23E-07	5.62E-08	4.93E-08	2.12E-09	5.12E-08	1.13E-08	1.85E-08	2.93E-08	5.16E-09	3.25E-09	1.21E-07
330	489338.17	3859671.48	1.84E-04	2.25E-04	1.98E-04	6.37E-08	1.92E-07	1.11E-07	1.36E-07	1.24E-07	5.64E-08	4.95E-08	2.13E-09	5.14E-08	1.13E-08	1.85E-08	2.94E-08	5.18E-09	3.27E-09	1.21E-07
331	489388.17	3859671.48	1.85E-04	2.26E-04	1.98E-04	6.40E-08	1.93E-07	1.12E-07	1.37E-07	1.24E-07	5.66E-08	4.97E-08	2.14E-09	5.16E-08	1.14E-08	1.86E-08	2.95E-08	5.20E-09	3.28E-09	1.22E-07
332	489438.17	3859671.48	1.85E-04	2.26E-04	1.98E-04	6.40E-08	1.93E-07	1.12E-07	1.37E-07	1.24E-07	5.67E-08	4.97E-08	2.14E-09	5.16E-08	1.14E-08	1.86E-08	2.95E-08	5.20E-09	3.28E-09	1.22E-07
333	489488.17	3859671.48	1.85E-04	2.27E-04	1.99E-04	6.41E-08	1.94E-07	1.12E-07	1.37E-07	1.24E-07	5.68E-08	4.98E-08	2.14E-09	5.17E-08	1.14E-08	1.86E-08	2.96E-08	5.21E-09	3.28E-09	1.22E-07
334	489538.17	3859671.48	1.85E-04	2.26E-04	1.99E-04	6.41E-08	1.93E-07	1.12E-07	1.37E-07	1.24E-07	5.67E-08	4.98E-08	2.14E-09	5.17E-08	1.14E-08	1.86E-08	2.95E-08	5.21E-09	3.28E-09	1.22E-07
335	489588.17	3859671.48	1.85E-04	2.26E-04	1.98E-04	6.40E-08	1.93E-07	1.12E-07	1.37E-07	1.24E-07	5.67E-08	4.97E-08	2.14E-09	5.16E-08	1.14E-08	1.86E-08	2.95E-08	5.20E-09	3.28E-09	1.22E-07
336	489238.17	3859721.48	1.75E-04	2.14E-04	1.88E-04	6.06E-08	1.83E-07	1.06E-07	1.30E-07	1.18E-07	5.37E-08	4.71E-08	2.03E-09	4.89E-08	1.08E-08	1.76E-08	2.80E-08	4.93E-09	3.11E-09	1.15E-07
337	489288.17	3859721.48	1.76E-04	2.15E-04	1.89E-04	6.10E-08	1.84E-07	1.07E-07	1.31E-07	1.18E-07	5.40E-08	4.74E-08	2.04E-09	4.92E-08	1.09E-08	1.77E-08	2.81E-08	4.95E-09	3.12E-09	1.16E-07
338	489338.17	3859721.48	1.77E-04	2.16E-04	1.90E-04	6.12E-08	1.85E-07	1.07E-07	1.31E-07	1.19E-07	5.42E-08	4.75E-08	2.04E-09	4.93E-08	1.09E-08	1.78E-08	2.82E-08	4.97E-09	3.13E-09	1.16E-07
339	489388.17	3859721.48	1.77E-04	2.17E-04	1.90E-04	6.13E-08	1.85E-07	1.07E-07	1.31E-07	1.19E-07	5.43E-08	4.77E-08	2.05E-09	4.95E-08	1.09E-08	1.78E-08	2.83E-08	4.99E-09	3.14E-09	1.17E-07
340	489438.17	3859721.48	1.77E-04	2.17E-04	1.90E-04	6.14E-08	1.85E-07	1.07E-07	1.32E-07	1.19E-07	5.44E-08	4.77E-08	2.05E-09	4.96E-08	1.09E-08	1.79E-08	2.83E-08	4.99E-09	3.15E-09	1.17E-07
341	489488.17	3859721.48	1.78E-04	2.18E-04	1.91E-04	6.16E-08	1.86E-07	1.08E-07	1.32E-07	1.20E-07	5.46E-08	4.79E-08	2.06E-09	4.97E-08	1.10E-08	1.79E-08	2.84E-08	5.01E-09	3.16E-09	1.17E-07
342	489538.17	3859721.48	1.78E-04	2.18E-04	1.91E-04	6.17E-08	1.86E-07	1.08E-07	1.32E-07	1.20E-07	5.46E-08	4.79E-08	2.06E-09	4.97E-08	1.10E-08	1.79E-08	2.84E-08	5.01E-09	3.16E-09	1.17E-07
343	489588.17	3859721.48	1.78E-04	2.18E-04	1.91E-04	6.17E-08	1.86E-07	1.08E-07	1.32E-07	1.20E-07	5.46E-08	4.79E-08	2.06E-09	4.97E-08	1.10E-08	1.79E-08	2.84E-08	5.01E-09	3.16E-09	1.17E-07
344	489238.17	3859771.48	1.68E-04	2.06E-04	1.81E-04	5.82E-08	1.76E-07	1.02E-07	1.25E-07	1.13E-07	5.16E-08	4.52E-08	1.94E-09	4.70E-08	1.04E-08	1.69E-08	2.69E-08	4.73E-09	2.98E-09	1.11E-07
345	489288.17	3859771.48	1.69E-04	2.07E-04	1.81E-04	5.85E-08	1.77E-07	1.02E-07	1.25E-07	1.14E-07	5.18E-08	4.55E-08	1.95E-09	4.72E-08	1.04E-08	1.70E-08	2.70E-08	4.76E-09	3.00E-09	1.11E-07
346	489338.17	3859771.48	1.69E-04	2.07E-04	1.82E-04	5.87E-08	1.77E-07	1.03E-07	1.26E-07	1.14E-07	5.20E-08	4.56E-08	1.96E-09	4.74E-08	1.04E-08	1.71E-08	2.71E-08	4.77E-09	3.01E-09	1.12E-07
347	489388.17	3859771.48	1.70E-04	2.08E-04	1.83E-04	5.89E-08	1.78E-07	1.03E-07	1.26E-07	1.14E-07	5.22E-08	4.58E-08	1.97E-09	4.75E-08	1.05E-08	1.71E-08	2.72E-08	4.79E-09	3.02E-09	1.12E-07
348	489438.17	3859771.48	1.70E-04	2.09E-04	1.83E-04	5.90E-08	1.78E-07	1.03E-07	1.26E-07	1.15E-07	5.23E-08	4.58E-08	1.97E-09	4.76E-08	1.05E-08	1.72E-08	2.72E-08	4.80E-09	3.02E-09	1.12E-07
349	489488.17	3859771.48	1.71E-04	2.10E-04	1.84E-04	5.93E-08	1.79E-07	1.04E-07	1.27E-07	1.15E-07	5.25E-08	4.60E-08	1.98E-09	4.78E-08	1.06E-08	1.72E-08	2.73E-08	4.82E-09	3.04E-09	1.13E-07
350	489538.17	3859771.48	1.71E-04	2.10E-04	1.84E-04	5.94E-08	1.79E-07	1.04E-07	1.27E-07	1.15E-07	5.26E-08	4.62E-08	1.98E-09	4.79E-08	1.06E-08	1.73E-08	2.74E-08	4.83E-09	3.05E-09	1.13E-07
351	489588.17	3859771.48	1.72E-04	2.10E-04	1.84E-04	5.94E-08	1.79E-07	1.04E-07	1.27E-07	1.15E-07	5.26E-08	4.62E-08	1.98E-09	4.79E-08	1.06E-08	1.73E-08	2.74E-08	4.83E-09	3.05E-09	1.13E-07
352	489238.17	3859821.48	1.62E-04	1.98E-04	1.74E-04	5.60E-08	1.69E-07	9.78E-08	1.20E-07	1.09E-07	4.96E-08	4.35E-08	1.87E-09	4.52E-08	9.96E-09	1.63E-08	2.58E-08	4.55E-09	2.87E-09	1.06E-07
353	489288.17	3859821.48	1.62E-04	1.99E-04	1.74E-04	5.63E-08	1.70E-07	9.84E-08	1.20E-07	1.09E-07	4.98E-08	4.37E-08	1.88E-09	4.54E-08	1.00E-08	1.64E-08	2.60E-08	4.57E-09	2.88E-09	1.07E-07
354	489338.17	3859821.48	1.63E-04	2.00E-04	1.75E-04	5.65E-08	1.70E-07	9.87E-08	1.21E-07	1.10E-07	5.00E-08	4.39E-08	1.89E-09	4.55E-08	1.00E-08	1.64E-08	2.60E-08	4.59E-09	2.89E-09	1.07E-07
355	489388.17	3859821.48	1.63E-04	2.00E-04	1.76E-04	5.67E-08	1.71E-07	9.90E-08	1.21E-07	1.10E-07	5.02E-08	4.40E-08	1.89E-09	4.57E-08	1.01E-08	1.65E-08	2.61E-08	4.60E-09	2.90E-09	1.08E-07
356	489438.17	3859821.48	1.64E-04	2.01E-04	1.76E-04	5.69E-08	1.72E-07	9.95E-08	1.22E-07	1.10E-07	5.04E-08	4.42E-08	1.90E-09	4.59E-08	1.01E-08	1.65E-08	2.63E-08	4.63E-09	2.92E-09	1.08E-07
357	489488.17	3859821.48	1.65E-04	2.02E-04	1.77E-04	5.71E-08	1.73E-07	9.99E-08	1.22E-07	1.11E-07	5.06E-08	4.44E-08	1.91E-09	4.61E-08	1.02E-08	1.66E-08	2.63E-08	4.64E-09	2.93E-09	1.09E-07
358	489538.17	3859821.48	1.65E-04	2.03E-04	1.78E-04	5.73E-08	1.73E-07	1.00E-07	1.23E-07	1.11E-07	5.08E-08	4.45E-08	1.91E-09	4.62E-08	1.02E-08	1.67E-08	2.64E-08	4.66E-09	2.94E-09	1.09E-07
359	489588.17	3859821.48	1.66E-04	2.03E-04	1.78E-04	5.74E-08	1.73E-07	1.00E-07	1.23E-07	1.11E-07	5.08E-08	4.46E-08	1.92E-09	4.63E-08	1.02E-08	1.67E-08	2.65E-08	4.66E-09	2.94E-09	1.09E-07

360	489238.17	3859871.48	1.56E-04	1.91E-04	1.67E-04	5.39E-08	1.63E-07	9.43E-08	1.15E-07	1.05E-07	4.78E-08	4.19E-08	1.80E-09	4.35E-08	9.60E-09	1.57E-08	2.49E-08	4.38E-09	2.76E-09	1.03E-07
361	489288.17	3859871.48	1.56E-04	1.91E-04	1.68E-04	5.41E-08	1.63E-07	9.46E-08	1.16E-07	1.05E-07	4.80E-08	4.21E-08	1.81E-09	4.37E-08	9.64E-09	1.57E-08	2.50E-08	4.40E-09	2.77E-09	1.03E-07
362	489338.17	3859871.48	1.57E-04	1.92E-04	1.69E-04	5.44E-08	1.64E-07	9.50E-08	1.16E-07	1.06E-07	4.81E-08	4.22E-08	1.82E-09	4.38E-08	9.68E-09	1.58E-08	2.51E-08	4.42E-09	2.79E-09	1.03E-07
363	489388.17	3859871.48	1.58E-04	1.93E-04	1.69E-04	5.46E-08	1.65E-07	9.55E-08	1.17E-07	1.06E-07	4.84E-08	4.24E-08	1.82E-09	4.41E-08	9.73E-09	1.59E-08	2.52E-08	4.44E-09	2.80E-09	1.04E-07
364	489438.17	3859871.48	1.59E-04	1.94E-04	1.70E-04	5.50E-08	1.66E-07	9.61E-08	1.18E-07	1.07E-07	4.87E-08	4.27E-08	1.84E-09	4.44E-08	9.79E-09	1.60E-08	2.54E-08	4.47E-09	2.82E-09	1.05E-07
365	489488.17	3859871.48	1.60E-04	1.95E-04	1.71E-04	5.53E-08	1.67E-07	9.67E-08	1.18E-07	1.07E-07	4.90E-08	4.30E-08	1.85E-09	4.46E-08	9.84E-09	1.61E-08	2.55E-08	4.49E-09	2.83E-09	1.05E-07
366	489538.17	3859871.48	1.60E-04	1.96E-04	1.72E-04	5.54E-08	1.67E-07	9.68E-08	1.19E-07	1.07E-07	4.90E-08	4.30E-08	1.85E-09	4.47E-08	9.86E-09	1.61E-08	2.55E-08	4.50E-09	2.84E-09	1.05E-07
367	489588.17	3859871.48	1.60E-04	1.96E-04	1.72E-04	5.55E-08	1.67E-07	9.70E-08	1.19E-07	1.08E-07	4.91E-08	4.31E-08	1.85E-09	4.47E-08	9.87E-09	1.61E-08	2.56E-08	4.51E-09	2.84E-09	1.06E-07
368	489238.17	3859921.48	1.50E-04	1.84E-04	1.62E-04	5.21E-08	1.57E-07	9.11E-08	1.12E-07	1.01E-07	4.62E-08	4.05E-08	1.74E-09	4.20E-08	9.28E-09	1.51E-08	2.40E-08	4.24E-09	2.67E-09	9.91E-08
369	489288.17	3859921.48	1.51E-04	1.85E-04	1.62E-04	5.24E-08	1.58E-07	9.16E-08	1.12E-07	1.02E-07	4.64E-08	4.07E-08	1.75E-09	4.23E-08	9.32E-09	1.52E-08	2.42E-08	4.26E-09	2.68E-09	9.96E-08
370	489338.17	3859921.48	1.52E-04	1.86E-04	1.63E-04	5.26E-08	1.59E-07	9.19E-08	1.13E-07	1.02E-07	4.66E-08	4.08E-08	1.76E-09	4.24E-08	9.36E-09	1.53E-08	2.42E-08	4.27E-09	2.69E-09	1.00E-07
371	489388.17	3859921.48	1.53E-04	1.87E-04	1.64E-04	5.29E-08	1.60E-07	9.25E-08	1.13E-07	1.03E-07	4.68E-08	4.11E-08	1.77E-09	4.27E-08	9.41E-09	1.54E-08	2.44E-08	4.30E-09	2.71E-09	1.01E-07
372	489438.17	3859921.48	1.54E-04	1.88E-04	1.65E-04	5.33E-08	1.61E-07	9.31E-08	1.14E-07	1.03E-07	4.72E-08	4.14E-08	1.78E-09	4.30E-08	9.48E-09	1.55E-08	2.46E-08	4.33E-09	2.73E-09	1.01E-07
373	489488.17	3859921.48	1.54E-04	1.89E-04	1.66E-04	5.34E-08	1.61E-07	9.34E-08	1.14E-07	1.04E-07	4.73E-08	4.15E-08	1.78E-09	4.31E-08	9.51E-09	1.55E-08	2.46E-08	4.34E-09	2.74E-09	1.02E-07
374	489538.17	3859921.48	1.55E-04	1.89E-04	1.66E-04	5.36E-08	1.62E-07	9.36E-08	1.15E-07	1.04E-07	4.74E-08	4.16E-08	1.79E-09	4.32E-08	9.53E-09	1.56E-08	2.47E-08	4.35E-09	2.74E-09	1.02E-07
375	489588.17	3859921.48	1.55E-04	1.90E-04	1.67E-04	5.37E-08	1.62E-07	9.39E-08	1.15E-07	1.04E-07	4.76E-08	4.17E-08	1.79E-09	4.33E-08	9.56E-09	1.56E-08	2.48E-08	4.37E-09	2.75E-09	1.02E-07
376	489238.17	3859971.48	1.46E-04	1.78E-04	1.56E-04	5.05E-08	1.52E-07	8.82E-08	1.08E-07	9.79E-08	4.47E-08	3.92E-08	1.68E-09	4.07E-08	8.98E-09	1.47E-08	2.33E-08	4.10E-09	2.58E-09	9.60E-08
377	489288.17	3859971.48	1.46E-04	1.79E-04	1.57E-04	5.06E-08	1.53E-07	8.85E-08	1.08E-07	9.83E-08	4.48E-08	3.93E-08	1.69E-09	4.08E-08	9.01E-09	1.47E-08	2.33E-08	4.11E-09	2.59E-09	9.63E-08
378	489338.17	3859971.48	1.47E-04	1.80E-04	1.58E-04	5.09E-08	1.54E-07	8.89E-08	1.09E-07	9.88E-08	4.51E-08	3.95E-08	1.70E-09	4.10E-08	9.06E-09	1.48E-08	2.35E-08	4.14E-09	2.61E-09	9.68E-08
379	489388.17	3859971.48	1.48E-04	1.81E-04	1.59E-04	5.12E-08	1.55E-07	8.96E-08	1.10E-07	9.94E-08	4.54E-08	3.98E-08	1.71E-09	4.13E-08	9.12E-09	1.49E-08	2.36E-08	4.16E-09	2.62E-09	9.75E-08
380	489438.17	3859971.48	1.49E-04	1.82E-04	1.60E-04	5.16E-08	1.56E-07	9.02E-08	1.10E-07	1.00E-07	4.57E-08	4.01E-08	1.72E-09	4.16E-08	9.19E-09	1.50E-08	2.38E-08	4.19E-09	2.64E-09	9.82E-08
381	489488.17	3859971.48	1.50E-04	1.83E-04	1.61E-04	5.19E-08	1.57E-07	9.06E-08	1.11E-07	1.01E-07	4.59E-08	4.03E-08	1.73E-09	4.18E-08	9.23E-09	1.51E-08	2.39E-08	4.21E-09	2.66E-09	9.86E-08
382	489538.17	3859971.48	1.50E-04	1.84E-04	1.61E-04	5.20E-08	1.57E-07	9.09E-08	1.11E-07	1.01E-07	4.61E-08	4.04E-08	1.74E-09	4.20E-08	9.26E-09	1.51E-08	2.40E-08	4.23E-09	2.66E-09	9.90E-08
383	489588.17	3859971.48	1.50E-04	1.84E-04	1.62E-04	5.21E-08	1.57E-07	9.11E-08	1.12E-07	1.01E-07	4.62E-08	4.05E-08	1.74E-09	4.20E-08	9.28E-09	1.52E-08	2.40E-08	4.24E-09	2.67E-09	9.92E-08
384	483577.7	3854071	7.35E-04	9.01E-04	7.92E-04	2.55E-07	7.69E-07	4.45E-07	5.46E-07	4.95E-07	2.26E-07	1.98E-07	8.51E-09	2.05E-07	4.53E-08	7.41E-08	1.18E-07	2.07E-08	1.31E-08	4.85E-07
385	483627.7	3854071	7.06E-04	8.64E-04	7.60E-04	2.45E-07	7.38E-07	4.27E-07	5.24E-07	4.75E-07	2.17E-07	1.90E-07	8.16E-09	1.97E-07	4.35E-08	7.11E-08	1.13E-07	1.99E-08	1.26E-08	4.65E-07
386	483677.7	3854071	6.78E-04	8.31E-04	7.30E-04	2.35E-07	7.09E-07	4.11E-07	5.03E-07	4.56E-07	2.08E-07	1.83E-07	7.84E-09	1.89E-07	4.18E-08	6.83E-08	1.08E-07	1.91E-08	1.21E-08	4.47E-07
387	483727.7	3854071	6.53E-04	8.00E-04	7.03E-04	2.26E-07	6.83E-07	3.95E-07	4.85E-07	4.39E-07	2.00E-07	1.76E-07	7.56E-09	1.83E-07	4.03E-08	6.58E-08	1.04E-07	1.84E-08	1.16E-08	4.30E-07
388	483777.7	3854071	6.25E-04	7.66E-04	6.73E-04	2.17E-07	6.54E-07	3.79E-07	4.64E-07	4.20E-07	1.92E-07	1.69E-07	7.23E-09	1.75E-07	3.85E-08	6.30E-08	9.99E-08	1.76E-08	1.11E-08	4.12E-07
389	483577.7	3854121	7.77E-04	9.52E-04	8.37E-04	2.69E-07	8.13E-07	4.71E-07	5.77E-07	5.23E-07	2.39E-07	2.10E-07	8.99E-09	2.17E-07	4.79E-08	7.83E-08	1.24E-07	2.19E-08	1.38E-08	5.12E-07
390	483627.7	3854121	7.43E-04	9.10E-04	8.00E-04	2.57E-07	7.77E-07	4.50E-07	5.51E-07	5.00E-07	2.28E-07	2.00E-07	8.60E-09	2.08E-07	4.58E-08	7.49E-08	1.19E-07	2.09E-08	1.32E-08	4.90E-07
391	483677.7	3854121	7.10E-04	8.70E-04	7.64E-04	2.46E-07	7.43E-07	4.30E-07	5.27E-07	4.77E-07	2.18E-07	1.92E-07	8.21E-09	1.98E-07	4.38E-08	7.15E-08	1.13E-07	2.00E-08	1.26E-08	4.68E-07
392	483727.7	3854121	6.77E-04	8.30E-04	7.29E-04	2.35E-07	7.09E-07	4.10E-07	5.03E-07	4.56E-07	2.08E-07	1.83E-07	7.84E-09	1.89E-07	4.18E-08	6.82E-08	1.08E-07	1.91E-08	1.21E-08	4.47E-07
393	483777.7	3854121	6.52E-04	7.99E-04	7.02E-04	2.26E-07	6.82E-07	3.95E-07	4.84E-07	4.39E-07	2.00E-07	1.76E-07	7.55E-09	1.82E-07	4.02E-08	6.57E-08	1.04E-07	1.84E-08	1.16E-08	4.30E-07
394	483577.7	3854171	8.16E-04	1.00E-03	8.79E-04	2.83E-07	8.54E-07	4.94E-07	6.06E-07	5.49E-07	2.51E-07	2.20E-07	9.44E-09	2.28E-07	5.03E-08	8.22E-08	1.30E-07	2.30E-08	1.45E-08	5.38E-07
395	483627.7	3854171	7.74E-04	9.49E-04	8.34E-04	2.68E-07	8.10E-07	4.69E-07	5.75E-07	5.21E-07	2.38E-07	2.09E-07	8.96E-09	2.16E-07	4.78E-08	7.80E-08	1.24E-07	2.18E-08	1.38E-08	5.11E-07
396	483677.7	3854171	7.40E-04	9.06E-04	7.97E-04	2.56E-07	7.74E-07	4.48E-07	5.49E-07	4.98E-07	2.27E-07	2.00E-07	8.56E-09	2.07E-07	4.56E-08	7.45E-08	1.18E-07	2.08E-08	1.32E-08	4.88E-07
397	483727.7	3854171	7.11E-04	8.71E-04	7.65E-04	2.46E-07	7.44E-07	4.30E-07	5.27E-07	4.78E-07	2.18E-07	1.92E-07	8.22E-09	1.99E-07	4.38E-08	7.16E-08	1.14E-07	2.00E-08	1.26E-08	4.69E-07
398	483777.7	3854171	6.83E-04	8.37E-04	7.35E-04	2.37E-07	7.15E-07	4.14E-07	5.07E-07	4.60E-07	2.10E-07	1.84E-07	7.90E-09	1.91E-07	4.21E-08	6.88E-08	1.09E-07	1.92E-08	1.22E-08	4.50E-07
399	483827.7	3854171	6.49E-04	7.95E-04	6.99E-04	2.25E-07	6.79E-07	3.93E-07	4.82E-07	4.37E-07	1.99E-07	1.75E-07	7.51E-09	1.81E-07	4.00E-08	6.54E-08	1.04E-07	1.83E-08	1.15E-08	4.28E-07
400	483877.7	3854171	6.25E-04	7.65E-04	6.73E-04	2.17E-07	6.54E-07	3.78E-07	4.64E-07	4.20E-07	1.92E-07	1.69E-07	7.23E-09	1.75E-07	3.85E-08	6.30E-08	9.99E-08	1.76E-08	1.11E-08	4.12E-07
401	483727.7	3854221	7.52E-04	9.21E-04	8.09E-04	2.61E-07	7.87E-07	4.55E-07	5.58E-07	5.06E-07	2.31E-07	2.03E-07	8.70E-09	2.10E-07	4.64E-08	7.58E-08	1.20E-07	2.12E-08	1.34E-08	4.96E-07
402	483777.7	3854221	7.21E-04	8.83E-04	7.76E-04	2.50E-07	7.54E-07	4.37E-07	5.35E-07	4.85E-07	2.21E-07	1.94E-07	8.34E-09	2.01E-07	4.45E-08	7.26E-08	1.15E-07	2.03E-08	1.28E-08	4.75E-07
403	483827.7	3854221	7.04E-04	8.63E-04	7.58E-04	2.44E-07	7.37E-07	4.27E-07	5.23E-07	4.74E-07	2.16E-07	1.90E-07	8.15E-09	1.97E-07	4.34E-08	7.10E-08	1.13E-07	1.98E-08	1.25E-08	4.64E-07
404	483877.7	3854221	6.72E-04	8.23E-04	7.23E-04	2.33E-07	7.03E-07	4.07E-07	4.99E-07	4.52E-07	2.06E-07	1.81E-07	7.77E-09	1.88E-07	4.14E-08	6.77E-08	1.07E-07	1.89E-08	1.20E-08	4.43E-07
405	489150.19	3858726.45	9.97E-04	1.22E-03	1.07E-03	3.45E-07	1.04E-06	6.04E-07	7.40E-07	6.71E-07	3.06E-07	2.69E-07	1.15E-08	2.79E-07	6.15E-08	1.00E-07	1.59E-07	2.81E-08	1.78E-08	6.57E-07
406	489200.19	3858726.45	9.25E-04	1.13E-03	9.97E-04	3.20E-07	9.68E-07	5.60E-07	6.86E-07	6.22E-07	2.84E-07	2.50E-07	1.07E-08	2.58E-07	5.70E-08	9.32E-08	1.48E-07	2.61E-08	1.65E-08	6.10E-07
407	489150.19	3858776.45	1.01E-03	1.24E-03	1.09E-03	3.51E-07	1.06E-06	6.14E-07	7.53E-07	6.82E-07	3.11E-07	2.74E-07	1.17E-08	2.83E-07	6.25E-08	1.02E-07	1.62E-07	2.86E-08	1.81E-08	6.69E-07
408	489200.19	3858776.45	9.25E-04	1.13E-03	9.97E-04	3.20E-07	9.68E-07	5.60E-07	6.86E-07	6.22E-07	2.84E-07	2.50E-07	1.07E-08	2.58E-07	5.70E-08	9.32E-08	1.48E-07	2.61E-08	1.65E-08	6.10E-07
409	488919.6	3856400.76	9.86E-04	1.21E-03	1.06E-03	3.42E-07	1.03E-06	5.98E-07	7.32E-07	6.63E-07	3.03E-07	2.66E-07	1.14E-08	2.76E-07	6.08E-08	9.94E-08	1.58E-07	2.78E-08	1.75E-08	6.50E-07
410	488919.6	3856450.76	1.00E-03	1.23E-03	1.08E-03	3.47E-07	1.05E-06	6.06E-07	7.42E-07	6.73E-07	3.07E-07	2.70E-07	1.16E-08	2.80E-07	6.17E-08	1.01E-07	1.60E-07	2.82E-08	1.78E-08	6.60E-07
411	488969.6	3856450.76	9.83E-04	1.20E-03	1.06E-03	3.41E-07	1.03E-06	5.95E-07	7.29E-07	6.61E-07	3.02E-07	2.65E-07	1.14E-08	2.75E-07	6.06E-08	9.90E-08	1.57E-07	2.77E-08	1.75E-08	6.48E-07
412	488919.6	3856500.76	1.01E-03	1.24E-03	1.09E-03	3.52E-07	1.06E-06	6.15E-07	7.53E-07	6.82E-07	3.11E-07	2.73E-07	1.17E-08	2.84E-07	6.26E-08	1.02E-07	1.62E-07	2.86E-08	1.80E-08	6.69E-07
413	488969.6	3856500.76	9.96E-04	1.22E-03	1.07E-03	3.45E-07	1.04E-06	6.03E-07	7.39E-07	6.70E-07	3.06E-07	2.68E-07	1.15E-08	2.78E-07	6.14E-08	1.00E-07	1.59E-07	2.80E-08	1.77E-08	6.56E-07
414	488919.6	3856550.76	1.03E-03	1.26E-03	1.10E-03	3.56E-07	1.08E-06	6.23E-07	7.63E-07	6.91E-07	3.15E-07	2.77E-07	1.19E-08	2.87E-07	6.34E-08	1.04E-07	1.64E-07	2.89E-08	1.83E-08	6.78E-07
415	488969.6	3856550.76	1.01E-03	1.24E-03	1.08E-03	3.50E-07	1.06E-06	6.11E-07	7.48E-07	6.78E-07	3.09E-07	2.71E-07	1.17E-08	2.82E-07	6.22E-08	1.02E-07	1.61E-07	2.84E-08	1.79E-08	6.65E-07
416	488819.6	3856600.76	1.08E-03	1.33E-03	1.16E-03	3.75E-07	1.13E-06	6.56E-07	8.03E-07	7.28E-07	3.32E-07	2.91E-07	1.25E-08	3.03E-07	6.68E-08	1.09E-07	1.73E-07	3.05E-08	1.92E-08	7.14E-07
417	488869.6	3856600.76	1.06E-03	1.30E-03	1.14E-03	3.68E-07	1.11E-06	6.43E-07	7.88E-07	7.14E-07	3.26E-07	2.86E-07	1.23E-08	2.97E-07	6.55E-08	1.07E-07	1.70E-07	2.99E-08	1.88E-08	7.00E-07
418	488919.6	3856600.76	1.04E-03	1.27E-03	1.12E-03	3.61E-07	1.09E-06	6.30E-07	7.72E-07	7.00E-07	3.19E-07	2.80E-07	1.20E-08	2.91E-07	6.42E-08	1.05E-07	1.66E-07	2.93E-08	1.85E-08	6.86E-07
419	488819.6	3856650.76	1.10E-03	1.34E-03	1.18E-03	3.80E-07	1.15E-06	6.64E-07	8.13E-07	7.37E-07	3.36E-07	2.95E-07	1.27E-08	3.06E-07	6.76E-08	1.10E-07	1.75E-07	3.09E-08	1.94E-08	7.23E-07
420	488869.6	3856650.76	1.07E-03	1.32E-03	1.15E-03	3.72E-07	1.12E-06	6.51E-07	7.97E-07	7.22E-07	3.30E-07	2.89E-07	1.24E-08	3.00E-07	6.63E-08	1.08E-07	1.72E-07	3.02E-08	1.91E-08	7.08E-07

421	488819.6	3856700.76	1.11E-03	1.36E-03	1.19E-03	3.84E-07	1.16E-06	6.71E-07	8.22E-07	7.45E-07	3.40E-07	2.98E-07	1.28E-08	3.10E-07	6.84E-08	1.12E-07	1.77E-07	3.12E-08	1.97E-08	7.31E-07
422	488869.6	3856700.76	1.09E-03	1.33E-03	1.17E-03	3.76E-07	1.14E-06	6.58E-07	8.06E-07	7.30E-07	3.33E-07	2.92E-07	1.26E-08	3.04E-07	6.70E-08	1.09E-07	1.74E-07	3.06E-08	1.93E-08	7.16E-07
423	488819.6	3856750.76	1.12E-03	1.37E-03	1.20E-03	3.88E-07	1.17E-06	6.79E-07	8.31E-07	7.54E-07	3.44E-07	3.01E-07	1.30E-08	3.13E-07	6.91E-08	1.13E-07	1.79E-07	3.16E-08	1.99E-08	7.39E-07
424	488869.6	3856750.76	1.10E-03	1.34E-03	1.18E-03	3.80E-07	1.15E-06	6.65E-07	8.14E-07	7.38E-07	3.37E-07	2.95E-07	1.27E-08	3.07E-07	6.77E-08	1.11E-07	1.75E-07	3.09E-08	1.94E-08	7.23E-07
425	488819.6	3857050.76	1.18E-03	1.44E-03	1.26E-03	4.08E-07	1.23E-06	7.13E-07	8.73E-07	7.92E-07	3.61E-07	3.15E-07	1.36E-08	3.29E-07	7.26E-08	1.19E-07	1.88E-07	3.32E-08	2.08E-08	7.76E-07
426	488869.6	3857050.76	1.15E-03	1.41E-03	1.23E-03	3.99E-07	1.20E-06	6.97E-07	8.53E-07	7.73E-07	3.53E-07	3.08E-07	1.33E-08	3.21E-07	7.09E-08	1.16E-07	1.84E-07	3.24E-08	2.03E-08	7.58E-07
427	488919.6	3857050.76	1.12E-03	1.38E-03	1.20E-03	3.90E-07	1.18E-06	6.81E-07	8.34E-07	7.56E-07	3.45E-07	3.01E-07	1.30E-08	3.14E-07	6.93E-08	1.13E-07	1.80E-07	3.17E-08	1.99E-08	7.41E-07
428	488819.6	3857100.76	1.18E-03	1.45E-03	1.27E-03	4.10E-07	1.24E-06	7.17E-07	8.79E-07	7.96E-07	3.63E-07	3.17E-07	1.37E-08	3.31E-07	7.31E-08	1.19E-07	1.89E-07	3.33E-08	2.09E-08	7.81E-07
429	488869.6	3857100.76	1.16E-03	1.42E-03	1.24E-03	4.01E-07	1.21E-06	7.01E-07	8.58E-07	7.78E-07	3.55E-07	3.10E-07	1.34E-08	3.23E-07	7.13E-08	1.16E-07	1.85E-07	3.26E-08	2.04E-08	7.62E-07
430	488919.6	3857100.76	1.13E-03	1.38E-03	1.21E-03	3.91E-07	1.18E-06	6.84E-07	8.38E-07	7.60E-07	3.47E-07	3.02E-07	1.31E-08	3.16E-07	6.97E-08	1.14E-07	1.80E-07	3.18E-08	1.99E-08	7.44E-07
431	488819.6	3857150.76	1.19E-03	1.46E-03	1.27E-03	4.12E-07	1.25E-06	7.21E-07	8.83E-07	8.00E-07	3.65E-07	3.18E-07	1.38E-08	3.33E-07	7.34E-08	1.20E-07	1.90E-07	3.35E-08	2.10E-08	7.84E-07
432	488869.6	3857150.76	1.16E-03	1.42E-03	1.24E-03	4.02E-07	1.22E-06	7.03E-07	8.62E-07	7.81E-07	3.56E-07	3.11E-07	1.34E-08	3.25E-07	7.16E-08	1.17E-07	1.86E-07	3.27E-08	2.05E-08	7.65E-07
433	488919.6	3857150.76	1.13E-03	1.39E-03	1.21E-03	3.93E-07	1.19E-06	6.87E-07	8.41E-07	7.63E-07	3.48E-07	3.04E-07	1.31E-08	3.17E-07	7.00E-08	1.14E-07	1.81E-07	3.19E-08	2.00E-08	7.47E-07
434	488969.6	3857150.76	1.11E-03	1.36E-03	1.18E-03	3.84E-07	1.16E-06	6.71E-07	8.22E-07	7.45E-07	3.40E-07	2.97E-07	1.28E-08	3.10E-07	6.83E-08	1.12E-07	1.77E-07	3.12E-08	1.96E-08	7.30E-07
435	488819.6	3857200.76	1.19E-03	1.46E-03	1.28E-03	4.14E-07	1.25E-06	7.24E-07	8.86E-07	8.03E-07	3.67E-07	3.20E-07	1.38E-08	3.34E-07	7.37E-08	1.20E-07	1.91E-07	3.36E-08	2.11E-08	7.87E-07
436	488869.6	3857200.76	1.16E-03	1.43E-03	1.24E-03	4.04E-07	1.22E-06	7.06E-07	8.64E-07	7.83E-07	3.57E-07	3.12E-07	1.35E-08	3.26E-07	7.18E-08	1.17E-07	1.86E-07	3.28E-08	2.06E-08	7.68E-07
437	488919.6	3857200.76	1.14E-03	1.39E-03	1.21E-03	3.94E-07	1.19E-06	6.89E-07	8.43E-07	7.64E-07	3.49E-07	3.04E-07	1.32E-08	3.18E-07	7.01E-08	1.14E-07	1.82E-07	3.20E-08	2.01E-08	7.49E-07
438	488969.6	3857200.76	1.11E-03	1.36E-03	1.19E-03	3.85E-07	1.16E-06	6.73E-07	8.24E-07	7.47E-07	3.41E-07	2.97E-07	1.28E-08	3.10E-07	6.85E-08	1.12E-07	1.77E-07	3.13E-08	1.96E-08	7.32E-07
439	488819.6	3857250.76	1.20E-03	1.47E-03	1.28E-03	4.15E-07	1.25E-06	7.26E-07	8.89E-07	8.06E-07	3.68E-07	3.20E-07	1.39E-08	3.35E-07	7.39E-08	1.21E-07	1.91E-07	3.37E-08	2.11E-08	7.90E-07
440	488869.6	3857250.76	1.17E-03	1.43E-03	1.25E-03	4.05E-07	1.22E-06	7.07E-07	8.66E-07	7.85E-07	3.58E-07	3.12E-07	1.35E-08	3.26E-07	7.20E-08	1.18E-07	1.87E-07	3.29E-08	2.06E-08	7.70E-07
441	488919.6	3857250.76	1.14E-03	1.39E-03	1.22E-03	3.95E-07	1.19E-06	6.90E-07	8.45E-07	7.66E-07	3.49E-07	3.05E-07	1.32E-08	3.18E-07	7.02E-08	1.15E-07	1.82E-07	3.21E-08	2.01E-08	7.51E-07
442	488969.6	3857250.76	1.11E-03	1.36E-03	1.19E-03	3.85E-07	1.16E-06	6.73E-07	8.24E-07	7.47E-07	3.41E-07	2.97E-07	1.29E-08	3.11E-07	6.85E-08	1.12E-07	1.78E-07	3.13E-08	1.96E-08	7.32E-07
443	488819.6	3857300.76	1.20E-03	1.47E-03	1.28E-03	4.16E-07	1.25E-06	7.26E-07	8.89E-07	8.06E-07	3.68E-07	3.21E-07	1.39E-08	3.35E-07	7.40E-08	1.21E-07	1.92E-07	3.38E-08	2.12E-08	7.90E-07
444	488869.6	3857300.76	1.17E-03	1.43E-03	1.25E-03	4.05E-07	1.22E-06	7.08E-07	8.67E-07	7.85E-07	3.58E-07	3.12E-07	1.35E-08	3.27E-07	7.21E-08	1.18E-07	1.87E-07	3.29E-08	2.06E-08	7.70E-07
445	488919.6	3857300.76	1.14E-03	1.39E-03	1.22E-03	3.95E-07	1.19E-06	6.90E-07	8.44E-07	7.65E-07	3.49E-07	3.05E-07	1.32E-08	3.18E-07	7.02E-08	1.15E-07	1.82E-07	3.21E-08	2.01E-08	7.50E-07
446	488819.6	3857450.76	1.19E-03	1.46E-03	1.27E-03	4.13E-07	1.25E-06	7.22E-07	8.84E-07	8.01E-07	3.66E-07	3.19E-07	1.38E-08	3.33E-07	7.35E-08	1.20E-07	1.90E-07	3.36E-08	2.10E-08	7.86E-07
447	488869.6	3857450.76	1.16E-03	1.42E-03	1.24E-03	4.02E-07	1.21E-06	7.02E-07	8.60E-07	7.80E-07	3.56E-07	3.10E-07	1.34E-08	3.24E-07	7.15E-08	1.17E-07	1.85E-07	3.26E-08	2.05E-08	7.64E-07
448	488919.6	3857450.76	1.13E-03	1.38E-03	1.20E-03	3.91E-07	1.18E-06	6.83E-07	8.36E-07	7.58E-07	3.46E-07	3.02E-07	1.30E-08	3.15E-07	6.95E-08	1.14E-07	1.80E-07	3.17E-08	1.99E-08	7.43E-07
449	488819.6	3857500.76	1.19E-03	1.45E-03	1.27E-03	4.11E-07	1.24E-06	7.18E-07	8.80E-07	7.97E-07	3.64E-07	3.17E-07	1.37E-08	3.31E-07	7.31E-08	1.19E-07	1.89E-07	3.34E-08	2.09E-08	7.82E-07
450	488869.6	3857500.76	1.15E-03	1.41E-03	1.23E-03	3.99E-07	1.20E-06	6.98E-07	8.54E-07	7.74E-07	3.53E-07	3.08E-07	1.33E-08	3.22E-07	7.10E-08	1.16E-07	1.84E-07	3.24E-08	2.03E-08	7.59E-07
451	488919.6	3857500.76	1.12E-03	1.37E-03	1.20E-03	3.88E-07	1.17E-06	6.78E-07	8.30E-07	7.53E-07	3.43E-07	3.00E-07	1.30E-08	3.13E-07	6.90E-08	1.13E-07	1.79E-07	3.15E-08	1.98E-08	7.38E-07
452	488819.6	3857550.76	1.18E-03	1.44E-03	1.26E-03	4.08E-07	1.23E-06	7.12E-07	8.72E-07	7.91E-07	3.61E-07	3.15E-07	1.36E-08	3.29E-07	7.25E-08	1.18E-07	1.88E-07	3.31E-08	2.08E-08	7.75E-07
453	488869.6	3857550.76	1.14E-03	1.40E-03	1.22E-03	3.96E-07	1.19E-06	6.92E-07	8.47E-07	7.68E-07	3.50E-07	3.06E-07	1.32E-08	3.19E-07	7.04E-08	1.15E-07	1.82E-07	3.22E-08	2.02E-08	7.53E-07
454	488919.6	3857550.76	1.11E-03	1.36E-03	1.19E-03	3.84E-07	1.16E-06	6.72E-07	8.23E-07	7.46E-07	3.40E-07	2.97E-07	1.28E-08	3.10E-07	6.84E-08	1.12E-07	1.77E-07	3.12E-08	1.96E-08	7.31E-07
455	489663.71	3860900.05	8.61E-05	1.05E-04	9.25E-05	2.98E-08	9.01E-08	5.22E-08	6.39E-08	5.79E-08	2.64E-08	2.32E-08	9.97E-10	2.41E-08	5.31E-09	8.68E-09	1.38E-08	2.43E-09	1.53E-09	5.68E-08
456	489813.71	3860900.05	8.66E-05	1.06E-04	9.30E-05	3.00E-08	9.06E-08	5.25E-08	6.43E-08	5.82E-08	2.66E-08	2.33E-08	1.00E-09	2.42E-08	5.34E-09	8.72E-09	1.38E-08	2.44E-09	1.54E-09	5.71E-08
457	489863.71	3860900.05	8.67E-05	1.06E-04	9.31E-05	3.00E-08	9.07E-08	5.25E-08	6.43E-08	5.83E-08	2.66E-08	2.33E-08	1.00E-09	2.42E-08	5.35E-09	8.73E-09	1.38E-08	2.44E-09	1.54E-09	5.71E-08
458	489913.71	3860900.05	8.70E-05	1.07E-04	9.34E-05	3.01E-08	9.10E-08	5.27E-08	6.45E-08	5.85E-08	2.67E-08	2.34E-08	1.01E-09	2.43E-08	5.37E-09	8.76E-09	1.39E-08	2.45E-09	1.54E-09	5.73E-08
459	489963.71	3860900.05	8.71E-05	1.07E-04	9.35E-05	3.02E-08	9.11E-08	5.27E-08	6.46E-08	5.85E-08	2.67E-08	2.34E-08	1.01E-09	2.43E-08	5.37E-09	8.77E-09	1.39E-08	2.45E-09	1.55E-09	5.74E-08
460	490013.71	3860900.05	8.74E-05	1.07E-04	9.39E-05	3.03E-08	9.14E-08	5.29E-08	6.48E-08	5.88E-08	2.68E-08	2.35E-08	1.01E-09	2.44E-08	5.39E-09	8.80E-09	1.40E-08	2.46E-09	1.55E-09	5.76E-08
461	490063.71	3860900.05	8.76E-05	1.07E-04	9.41E-05	3.04E-08	9.17E-08	5.31E-08	6.50E-08	5.89E-08	2.69E-08	2.36E-08	1.01E-09	2.45E-08	5.40E-09	8.82E-09	1.40E-08	2.47E-09	1.55E-09	5.77E-08
462	489663.71	3860950.05	8.42E-05	1.03E-04	9.05E-05	2.92E-08	8.82E-08	5.10E-08	6.25E-08	5.67E-08	2.59E-08	2.27E-08	9.75E-10	2.35E-08	5.20E-09	8.49E-09	1.35E-08	2.37E-09	1.50E-09	5.55E-08
463	489813.71	3860950.05	8.47E-05	1.04E-04	9.10E-05	2.93E-08	8.86E-08	5.13E-08	6.28E-08	5.70E-08	2.60E-08	2.28E-08	9.80E-10	2.37E-08	5.22E-09	8.53E-09	1.35E-08	2.38E-09	1.50E-09	5.58E-08
464	489863.71	3860950.05	8.47E-05	1.04E-04	9.10E-05	2.93E-08	8.86E-08	5.13E-08	6.28E-08	5.70E-08	2.60E-08	2.28E-08	9.80E-10	2.37E-08	5.22E-09	8.53E-09	1.35E-08	2.38E-09	1.50E-09	5.58E-08
465	489913.71	3860950.05	8.49E-05	1.04E-04	9.12E-05	2.94E-08	8.89E-08	5.15E-08	6.30E-08	5.71E-08	2.61E-08	2.29E-08	9.83E-10	2.37E-08	5.24E-09	8.56E-09	1.36E-08	2.39E-09	1.51E-09	5.60E-08
466	489963.71	3860950.05	8.50E-05	1.04E-04	9.13E-05	2.95E-08	8.90E-08	5.15E-08	6.31E-08	5.72E-08	2.61E-08	2.29E-08	9.84E-10	2.38E-08	5.25E-09	8.57E-09	1.36E-08	2.40E-09	1.51E-09	5.61E-08
467	490013.71	3860950.05	8.53E-05	1.04E-04	9.16E-05	2.95E-08	8.92E-08	5.17E-08	6.33E-08	5.73E-08	2.62E-08	2.29E-08	9.87E-10	2.38E-08	5.26E-09	8.59E-09	1.36E-08	2.40E-09	1.51E-09	5.62E-08
468	490063.71	3860950.05	8.55E-05	1.05E-04	9.18E-05	2.96E-08	8.95E-08	5.18E-08	6.34E-08	5.75E-08	2.62E-08	2.30E-08	9.89E-10	2.39E-08	5.27E-09	8.61E-09	1.37E-08	2.41E-09	1.52E-09	5.64E-08
469	489513.71	3861000.05	8.23E-05	1.01E-04	8.84E-05	2.85E-08	8.61E-08	4.99E-08	6.11E-08	5.54E-08	2.53E-08	2.22E-08	9.53E-10	2.30E-08	5.08E-09	8.29E-09	1.32E-08	2.32E-09	1.46E-09	5.43E-08
470	489563.71	3861000.05	8.23E-05	1.01E-04	8.84E-05	2.85E-08	8.61E-08	4.99E-08	6.11E-08	5.54E-08	2.53E-08	2.22E-08	9.53E-10	2.30E-08	5.08E-09	8.29E-09	1.32E-08	2.32E-09	1.46E-09	5.43E-08
471	489613.71	3861000.05	8.24E-05	1.01E-04	8.85E-05	2.86E-08	8.63E-08	4.99E-08	6.12E-08	5.54E-08	2.53E-08	2.22E-08	9.54E-10	2.30E-08	5.08E-09	8.30E-09	1.32E-08	2.32E-09	1.46E-09	5.43E-08
472	489663.71	3861000.05	8.25E-05	1.01E-04	8.86E-05	2.86E-08	8.63E-08	5.00E-08	6.12E-08	5.55E-08	2.53E-08	2.22E-08	9.55E-10	2.31E-08	5.09E-09	8.31E-09	1.32E-08	2.32E-09	1.46E-09	5.44E-08
473	489713.71	3861000.05	8.25E-05	1.01E-04	8.86E-05	2.86E-08	8.63E-08	5.00E-08	6.12E-08	5.55E-08	2.53E-08	2.22E-08	9.55E-10	2.31E-08	5.09E-09	8.31E-09	1.32E-08	2.32E-09	1.46E-09	5.44E-08
474	489763.71	3861000.05	8.26E-05	1.01E-04	8.87E-05	2.86E-08	8.65E-08	5.00E-08	6.13E-08	5.56E-08	2.54E-08	2.22E-08	9.56E-10	2.31E-08	5.10E-09	8.32E-09	1.32E-08	2.33E-09	1.47E-09	5.45E-08
475	489813.71	3861000.05	8.29E-05	1.02E-04	8.90E-05	2.87E-08	8.67E-08	5.02E-08	6.15E-08	5.57E-08	2.54E-08	2.23E-08	9.59E-10	2.32E-08	5.11E-09	8.35E-09	1.32E-08	2.33E-09	1.47E-09	5.46E-08
476	489863.71	3861000.05	8.29E-05	1.02E-04	8.90E-05	2.87E-08	8.67E-08	5.02E-08	6.15E-08	5.57E-08	2.54E-08	2.23E-08	9.59E-10	2.32E-08	5.11E-09	8.35E-09	1.32E-08	2.33E-09	1.47E-09	5.46E-08
477	489913.71	3861000.05	8.31E-05	1.02E-04	8.92E-05	2.88E-08	8.70E-08	5.03E-08	6.16E-08	5.59E-08	2.55E-08	2.24E-08	9.62E-10	2.32E-08	5.13E-09	8.37E-09	1.33E-08	2.34E-09	1.47E-09	5.48E-08
478	489963.71	3861000.05	8.31E-05	1.02E-04	8.93E-05	2.88E-08	8.70E-08	5.04E-08	6.17E-08	5.59E-08	2.55E-08	2.24E-08	9.62E-10	2.32E-08	5.13E-09	8.37E-09	1.33E-08	2.34E-09	1.48E-09	5.48E-08
479	490013.71	3861000.05	8.33E-05	1.02E-04	8.95E-05	2.89E-08	8.72E-08	5.05E-08	6.18E-08	5.60E-08	2.56E-08	2.24E-08	9.64E-10	2.33E-08	5.14E-09	8.39E-09	1.33E-08	2.35E-09	1.48E-09	5.49E-08
480	490063.71	3861000.05	8.35E-05	1.02E-04	8.97E-05	2.89E-08	8.74E-08	5.06E-08	6.20E-08	5.62E-08	2.56E-08	2.25E-08	9.66E-10	2.33E-08	5.15E-09	8.41E-09	1.33E-08	2.35E-09	1.48E-09	5.50E-08
481	489513.71	3861050.05	8.07E-05	9.88E-05	8.67E-05	2.80E-08	8.44E-08	4.89E-08	5.99E-08	5.43E-08	2.48E-08	2.17E-08	9.34E-10	2.26E-08	4.98E-09	8.13E-09	1.29E-08	2.27E-09	1.43E-09	5.32E-08

482	489563.71	3861050.05	8.07E-05	9.88E-05	8.67E-05	2.80E-08	8.44E-08	4.89E-08	5.99E-08	5.43E-08	2.48E-08	2.17E-08	9.34E-10	2.26E-08	4.98E-09	8.13E-09	1.29E-08	2.27E-09	1.43E-09	5.32E-08
483	489613.71	3861050.05	8.09E-05	9.91E-05	8.69E-05	2.80E-08	8.46E-08	4.90E-08	6.00E-08	5.44E-08	2.48E-08	2.18E-08	9.36E-10	2.26E-08	4.99E-09	8.15E-09	1.29E-08	2.28E-09	1.44E-09	5.33E-08
484	489663.71	3861050.05	8.08E-05	9.90E-05	8.68E-05	2.80E-08	8.46E-08	4.89E-08	6.00E-08	5.43E-08	2.48E-08	2.17E-08	9.35E-10	2.26E-08	4.98E-09	8.14E-09	1.29E-08	2.28E-09	1.43E-09	5.33E-08
485	489713.71	3861050.05	8.08E-05	9.89E-05	8.68E-05	2.80E-08	8.45E-08	4.89E-08	5.99E-08	5.43E-08	2.48E-08	2.17E-08	9.35E-10	2.26E-08	4.98E-09	8.14E-09	1.29E-08	2.28E-09	1.43E-09	5.33E-08
486	489763.71	3861050.05	8.09E-05	9.91E-05	8.69E-05	2.80E-08	8.46E-08	4.90E-08	6.00E-08	5.44E-08	2.48E-08	2.18E-08	9.36E-10	2.26E-08	4.99E-09	8.15E-09	1.29E-08	2.28E-09	1.44E-09	5.33E-08
487	489813.71	3861050.05	8.10E-05	9.93E-05	8.70E-05	2.81E-08	8.48E-08	4.91E-08	6.01E-08	5.45E-08	2.49E-08	2.18E-08	9.38E-10	2.27E-08	5.00E-09	8.16E-09	1.30E-08	2.28E-09	1.44E-09	5.34E-08
488	489863.71	3861050.05	8.11E-05	9.93E-05	8.71E-05	2.81E-08	8.49E-08	4.91E-08	6.02E-08	5.45E-08	2.49E-08	2.18E-08	9.39E-10	2.27E-08	5.00E-09	8.17E-09	1.30E-08	2.28E-09	1.44E-09	5.35E-08
489	489913.71	3861050.05	8.12E-05	9.95E-05	8.72E-05	2.82E-08	8.50E-08	4.92E-08	6.03E-08	5.46E-08	2.49E-08	2.19E-08	9.40E-10	2.27E-08	5.01E-09	8.18E-09	1.30E-08	2.29E-09	1.44E-09	5.35E-08
490	489963.71	3861050.05	8.13E-05	9.96E-05	8.73E-05	2.82E-08	8.51E-08	4.93E-08	6.03E-08	5.47E-08	2.50E-08	2.19E-08	9.41E-10	2.27E-08	5.02E-09	8.19E-09	1.30E-08	2.29E-09	1.44E-09	5.36E-08
491	490013.71	3861050.05	8.16E-05	9.99E-05	8.76E-05	2.83E-08	8.54E-08	4.94E-08	6.05E-08	5.49E-08	2.50E-08	2.20E-08	9.44E-10	2.28E-08	5.03E-09	8.22E-09	1.30E-08	2.30E-09	1.45E-09	5.38E-08
492	490063.71	3861050.05	8.17E-05	1.00E-04	8.77E-05	2.83E-08	8.55E-08	4.95E-08	6.06E-08	5.49E-08	2.51E-08	2.20E-08	9.45E-10	2.28E-08	5.04E-09	8.23E-09	1.31E-08	2.30E-09	1.45E-09	5.39E-08
493	489513.71	3861100.05	7.93E-05	9.71E-05	8.52E-05	2.75E-08	8.30E-08	4.80E-08	5.88E-08	5.33E-08	2.43E-08	2.13E-08	9.18E-10	2.22E-08	4.89E-09	7.99E-09	1.27E-08	2.23E-09	1.41E-09	5.23E-08
494	489563.71	3861100.05	7.91E-05	9.69E-05	8.49E-05	2.74E-08	8.28E-08	4.79E-08	5.87E-08	5.32E-08	2.43E-08	2.13E-08	9.15E-10	2.21E-08	4.88E-09	7.97E-09	1.26E-08	2.23E-09	1.40E-09	5.21E-08
495	489613.71	3861100.05	7.89E-05	9.66E-05	8.47E-05	2.73E-08	8.26E-08	4.78E-08	5.85E-08	5.31E-08	2.42E-08	2.12E-08	9.13E-10	2.21E-08	4.87E-09	7.95E-09	1.26E-08	2.22E-09	1.40E-09	5.20E-08
496	489663.71	3861100.05	7.90E-05	9.67E-05	8.48E-05	2.74E-08	8.26E-08	4.78E-08	5.86E-08	5.31E-08	2.42E-08	2.12E-08	9.14E-10	2.21E-08	4.87E-09	7.95E-09	1.26E-08	2.22E-09	1.40E-09	5.21E-08
497	489713.71	3861100.05	7.90E-05	9.68E-05	8.49E-05	2.74E-08	8.27E-08	4.79E-08	5.86E-08	5.32E-08	2.43E-08	2.13E-08	9.15E-10	2.21E-08	4.88E-09	7.96E-09	1.26E-08	2.23E-09	1.40E-09	5.21E-08
498	489763.71	3861100.05	7.91E-05	9.69E-05	8.50E-05	2.74E-08	8.28E-08	4.79E-08	5.87E-08	5.32E-08	2.43E-08	2.13E-08	9.16E-10	2.21E-08	4.88E-09	7.97E-09	1.26E-08	2.23E-09	1.40E-09	5.22E-08
499	489813.71	3861100.05	7.93E-05	9.71E-05	8.51E-05	2.75E-08	8.30E-08	4.80E-08	5.88E-08	5.33E-08	2.43E-08	2.13E-08	9.17E-10	2.22E-08	4.89E-09	7.99E-09	1.27E-08	2.23E-09	1.41E-09	5.23E-08
500	489863.71	3861100.05	7.95E-05	9.74E-05	8.54E-05	2.75E-08	8.32E-08	4.82E-08	5.90E-08	5.35E-08	2.44E-08	2.14E-08	9.20E-10	2.22E-08	4.90E-09	8.01E-09	1.27E-08	2.24E-09	1.41E-09	5.24E-08
501	489913.71	3861100.05	7.95E-05	9.74E-05	8.54E-05	2.76E-08	8.32E-08	4.82E-08	5.90E-08	5.35E-08	2.44E-08	2.14E-08	9.20E-10	2.22E-08	4.90E-09	8.01E-09	1.27E-08	2.24E-09	1.41E-09	5.24E-08
502	489963.71	3861100.05	7.96E-05	9.75E-05	8.55E-05	2.76E-08	8.33E-08	4.82E-08	5.91E-08	5.35E-08	2.44E-08	2.14E-08	9.21E-10	2.23E-08	4.91E-09	8.02E-09	1.27E-08	2.24E-09	1.41E-09	5.25E-08
503	490013.71	3861100.05	7.97E-05	9.76E-05	8.56E-05	2.76E-08	8.34E-08	4.83E-08	5.91E-08	5.36E-08	2.44E-08	2.14E-08	9.22E-10	2.23E-08	4.91E-09	8.02E-09	1.27E-08	2.24E-09	1.41E-09	5.25E-08
504	490063.71	3861100.05	7.98E-05	9.77E-05	8.57E-05	2.77E-08	8.35E-08	4.83E-08	5.92E-08	5.37E-08	2.45E-08	2.15E-08	9.23E-10	2.23E-08	4.92E-09	8.04E-09	1.28E-08	2.25E-09	1.42E-09	5.26E-08
505	489713.71	3861150.05	7.74E-05	9.48E-05	8.31E-05	2.68E-08	8.10E-08	4.69E-08	5.74E-08	5.20E-08	2.37E-08	2.08E-08	8.96E-10	2.16E-08	4.77E-09	7.80E-09	1.24E-08	2.18E-09	1.37E-09	5.10E-08
506	489763.71	3861150.05	7.75E-05	9.49E-05	8.32E-05	2.69E-08	8.11E-08	4.70E-08	5.75E-08	5.21E-08	2.38E-08	2.09E-08	8.97E-10	2.17E-08	4.78E-09	7.81E-09	1.24E-08	2.18E-09	1.38E-09	5.11E-08
507	489813.71	3861150.05	7.76E-05	9.51E-05	8.34E-05	2.69E-08	8.12E-08	4.70E-08	5.76E-08	5.22E-08	2.38E-08	2.09E-08	8.99E-10	2.17E-08	4.79E-09	7.82E-09	1.24E-08	2.19E-09	1.38E-09	5.12E-08
508	489863.71	3861150.05	7.77E-05	9.52E-05	8.35E-05	2.69E-08	8.13E-08	4.71E-08	5.77E-08	5.23E-08	2.39E-08	2.09E-08	8.99E-10	2.17E-08	4.79E-09	7.83E-09	1.24E-08	2.19E-09	1.38E-09	5.12E-08
509	489913.71	3861150.05	7.78E-05	9.53E-05	8.36E-05	2.70E-08	8.14E-08	4.71E-08	5.77E-08	5.23E-08	2.39E-08	2.09E-08	9.00E-10	2.17E-08	4.80E-09	7.84E-09	1.24E-08	2.19E-09	1.38E-09	5.13E-08
510	489963.71	3861150.05	7.78E-05	9.53E-05	8.36E-05	2.70E-08	8.15E-08	4.72E-08	5.78E-08	5.24E-08	2.39E-08	2.09E-08	9.01E-10	2.18E-08	4.80E-09	7.84E-09	1.24E-08	2.19E-09	1.38E-09	5.13E-08
511	490013.71	3861150.05	7.79E-05	9.54E-05	8.37E-05	2.70E-08	8.15E-08	4.72E-08	5.78E-08	5.24E-08	2.39E-08	2.10E-08	9.02E-10	2.18E-08	4.81E-09	7.85E-09	1.24E-08	2.19E-09	1.38E-09	5.14E-08
512	490063.71	3861150.05	7.81E-05	9.56E-05	8.38E-05	2.71E-08	8.17E-08	4.73E-08	5.79E-08	5.25E-08	2.40E-08	2.10E-08	9.03E-10	2.18E-08	4.82E-09	7.86E-09	1.25E-08	2.20E-09	1.39E-09	5.15E-08
513	489613.71	3861200.05	7.56E-05	9.26E-05	8.12E-05	2.62E-08	7.91E-08	4.58E-08	5.61E-08	5.09E-08	2.32E-08	2.03E-08	8.75E-10	2.11E-08	4.66E-09	7.62E-09	1.21E-08	2.13E-09	1.34E-09	4.98E-08
514	489663.71	3861200.05	7.57E-05	9.27E-05	8.13E-05	2.62E-08	7.92E-08	4.59E-08	5.62E-08	5.09E-08	2.32E-08	2.04E-08	8.76E-10	2.12E-08	4.67E-09	7.63E-09	1.21E-08	2.13E-09	1.34E-09	4.99E-08
515	489713.71	3861200.05	7.58E-05	9.29E-05	8.14E-05	2.63E-08	7.93E-08	4.59E-08	5.63E-08	5.10E-08	2.33E-08	2.04E-08	8.77E-10	2.12E-08	4.68E-09	7.64E-09	1.21E-08	2.14E-09	1.35E-09	5.00E-08
516	489763.71	3861200.05	7.59E-05	9.30E-05	8.15E-05	2.63E-08	7.94E-08	4.60E-08	5.63E-08	5.11E-08	2.33E-08	2.04E-08	8.79E-10	2.12E-08	4.68E-09	7.65E-09	1.21E-08	2.14E-09	1.35E-09	5.00E-08
517	489813.71	3861200.05	7.61E-05	9.32E-05	8.17E-05	2.64E-08	7.96E-08	4.61E-08	5.64E-08	5.12E-08	2.33E-08	2.05E-08	8.80E-10	2.13E-08	4.69E-09	7.66E-09	1.22E-08	2.14E-09	1.35E-09	5.01E-08
518	489863.71	3861200.05	7.62E-05	9.33E-05	8.19E-05	2.64E-08	7.97E-08	4.62E-08	5.65E-08	5.13E-08	2.34E-08	2.05E-08	8.82E-10	2.13E-08	4.70E-09	7.68E-09	1.22E-08	2.15E-09	1.35E-09	5.02E-08
519	489913.71	3861200.05	7.63E-05	9.34E-05	8.19E-05	2.64E-08	7.98E-08	4.62E-08	5.66E-08	5.13E-08	2.34E-08	2.05E-08	8.82E-10	2.13E-08	4.70E-09	7.68E-09	1.22E-08	2.15E-09	1.35E-09	5.03E-08
520	489963.71	3861200.05	7.63E-05	9.34E-05	8.19E-05	2.64E-08	7.98E-08	4.62E-08	5.66E-08	5.13E-08	2.34E-08	2.05E-08	8.83E-10	2.13E-08	4.70E-09	7.68E-09	1.22E-08	2.15E-09	1.35E-09	5.03E-08
521	490013.71	3861200.05	7.64E-05	9.35E-05	8.20E-05	2.65E-08	7.99E-08	4.63E-08	5.66E-08	5.14E-08	2.34E-08	2.05E-08	8.84E-10	2.13E-08	4.71E-09	7.69E-09	1.22E-08	2.15E-09	1.36E-09	5.03E-08
522	490063.71	3861200.05	7.64E-05	9.36E-05	8.21E-05	2.65E-08	8.00E-08	4.63E-08	5.67E-08	5.14E-08	2.34E-08	2.06E-08	8.84E-10	2.14E-08	4.71E-09	7.70E-09	1.22E-08	2.15E-09	1.36E-09	5.04E-08
523	489513.71	3861250.05	7.39E-05	9.05E-05	7.94E-05	2.56E-08	7.73E-08	4.48E-08	5.48E-08	4.97E-08	2.27E-08	1.99E-08	8.55E-10	2.07E-08	4.56E-09	7.44E-09	1.18E-08	2.08E-09	1.31E-09	4.87E-08
524	489563.71	3861250.05	7.41E-05	9.07E-05	7.96E-05	2.57E-08	7.75E-08	4.49E-08	5.50E-08	4.98E-08	2.27E-08	1.99E-08	8.57E-10	2.07E-08	4.57E-09	7.46E-09	1.18E-08	2.09E-09	1.31E-09	4.88E-08
525	489613.71	3861250.05	7.42E-05	9.08E-05	7.97E-05	2.57E-08	7.76E-08	4.49E-08	5.50E-08	4.99E-08	2.28E-08	2.00E-08	8.58E-10	2.07E-08	4.58E-09	7.47E-09	1.19E-08	2.09E-09	1.32E-09	4.89E-08
526	489663.71	3861250.05	7.42E-05	9.09E-05	7.97E-05	2.57E-08	7.77E-08	4.50E-08	5.51E-08	4.99E-08	2.28E-08	2.00E-08	8.59E-10	2.08E-08	4.58E-09	7.48E-09	1.19E-08	2.09E-09	1.32E-09	4.89E-08
527	489713.71	3861250.05	7.43E-05	9.10E-05	7.98E-05	2.58E-08	7.78E-08	4.50E-08	5.51E-08	5.00E-08	2.28E-08	2.00E-08	8.60E-10	2.08E-08	4.58E-09	7.49E-09	1.19E-08	2.09E-09	1.32E-09	4.90E-08
528	489763.71	3861250.05	7.44E-05	9.12E-05	7.99E-05	2.58E-08	7.79E-08	4.51E-08	5.52E-08	5.01E-08	2.28E-08	2.00E-08	8.61E-10	2.08E-08	4.59E-09	7.50E-09	1.19E-08	2.10E-09	1.32E-09	4.91E-08
529	489813.71	3861250.05	7.45E-05	9.13E-05	8.00E-05	2.58E-08	7.80E-08	4.51E-08	5.53E-08	5.01E-08	2.29E-08	2.01E-08	8.62E-10	2.08E-08	4.60E-09	7.51E-09	1.19E-08	2.10E-09	1.32E-09	4.91E-08
530	489863.71	3861250.05	7.46E-05	9.14E-05	8.01E-05	2.59E-08	7.81E-08	4.52E-08	5.54E-08	5.02E-08	2.29E-08	2.01E-08	8.64E-10	2.09E-08	4.60E-09	7.52E-09	1.19E-08	2.10E-09	1.32E-09	4.92E-08
531	489913.71	3861250.05	7.47E-05	9.15E-05	8.03E-05	2.59E-08	7.82E-08	4.53E-08	5.55E-08	5.03E-08	2.29E-08	2.01E-08	8.65E-10	2.09E-08	4.61E-09	7.53E-09	1.19E-08	2.10E-09	1.33E-09	4.93E-08
532	489963.71	3861250.05	7.48E-05	9.16E-05	8.04E-05	2.59E-08	7.83E-08	4.53E-08	5.55E-08	5.03E-08	2.30E-08	2.01E-08	8.66E-10	2.09E-08	4.62E-09	7.54E-09	1.20E-08	2.11E-09	1.33E-09	4.93E-08
533	490013.71	3861250.05	7.49E-05	9.17E-05	8.04E-05	2.59E-08	7.84E-08	4.54E-08	5.56E-08	5.04E-08	2.30E-08	2.01E-08	8.67E-10	2.09E-08	4.62E-09	7.54E-09	1.20E-08	2.11E-09	1.33E-09	4.94E-08
534	490063.71	3861250.05	7.49E-05	9.17E-05	8.04E-05	2.59E-08	7.83E-08	4.53E-08	5.55E-08	5.03E-08	2.30E-08	2.01E-08	8.66E-10	2.09E-08	4.62E-09	7.54E-09	1.20E-08	2.11E-09	1.33E-09	4.93E-08
535	489528.13	3861308.47	7.22E-05	8.84E-05	7.76E-05	2.50E-08	7.56E-08	4.37E-08	5.36E-08	4.86E-08	2.22E-08	1.94E-08	8.36E-10	2.02E-08	4.45E-09	7.27E-09	1.15E-08	2.03E-09	1.28E-09	4.76E-08
536	489578.13	3861308.47	7.23E-05	8.86E-05	7.77E-05	2.51E-08	7.57E-08	4.38E-08	5.37E-08	4.87E-08	2.22E-08	1.95E-08	8.37E-10	2.02E-08	4.46E-09	7.29E-09	1.16E-08	2.04E-09	1.28E-09	4.77E-08
537	489628.13	3861308.47	7.24E-05	8.87E-05	7.78E-05	2.51E-08	7.58E-08	4.39E-08	5.37E-08	4.87E-08	2.22E-08	1.95E-08	8.38E-10	2.03E-08	4.47E-09	7.30E-09	1.16E-08	2.04E-09	1.29E-09	4.78E-08
538	489678.13	3861308.47	7.26E-05	8.89E-05	7.79E-05	2.51E-08	7.59E-08	4.40E-08	5.38E-08	4.88E-08	2.23E-08	1.95E-08	8.40E-10	2.03E-08	4.48E-09	7.31E-09	1.16E-08	2.04E-09	1.29E-09	4.78E-08
539	489728.13	3861308.47	7.27E-05	8.90E-05	7.81E-05	2.52E-08	7.60E-08	4.40E-08	5.39E-08	4.89E-08	2.23E-08	1.96E-08	8.41E-10	2.03E-08	4.48E-09	7.32E-09	1.16E-08	2.05E-09	1.29E-09	4.79E-08
540	489778.13	3861308.47	7.27E-05	8.91E-05	7.81E-05	2.52E-08	7.61E-08	4.41E-08	5.40E-08	4.89E-08	2.23E-08	1.96E-08	8.42E-10	2.03E-08	4.49E-09	7.33E-09	1.16E-08	2.05E-09	1.29E-09	4.79E-08
541	489678.13	3861358.47	7.12E-05	8.71E-05	7.64E-05	2.47E-08	7.45E-08	4.31E-08	5.28E-08	4.79E-08	2.18E-08	1.91E-08	8.23E-10	1.99E-08	4.39E-09	7.17E-09	1.14E-08	2.00E-09	1.26E-09	4.69E-08
542	489728.13	3861358.47	7.12E-05	8.72E-05	7.65E-05	2.47E-08	7.45E-08	4.32E-08	5.29E-08	4.79E-08	2.19E-08	1.92E-08	8.24E-10	1.99E-08	4.39E-09	7.18E-09	1.14E-08	2.01E-09	1.26E-09	4.70E-08

543	489528.13	3861408.47	6.94E-05	8.50E-05	7.45E-05	2.40E-08	7.26E-08	4.20E-08	5.15E-08	4.67E-08	2.13E-08	1.87E-08	8.03E-10	1.94E-08	4.28E-09	6.99E-09	1.11E-08	1.95E-09	1.23E-09	4.57E-08
544	489578.13	3861408.47	6.95E-05	8.51E-05	7.47E-05	2.41E-08	7.27E-08	4.21E-08	5.16E-08	4.68E-08	2.13E-08	1.87E-08	8.05E-10	1.94E-08	4.29E-09	7.00E-09	1.11E-08	1.96E-09	1.23E-09	4.58E-08
545	489628.13	3861408.47	6.98E-05	8.54E-05	7.49E-05	2.42E-08	7.30E-08	4.23E-08	5.18E-08	4.69E-08	2.14E-08	1.88E-08	8.07E-10	1.95E-08	4.30E-09	7.03E-09	1.11E-08	1.96E-09	1.24E-09	4.60E-08
546	489678.13	3861408.47	6.98E-05	8.55E-05	7.50E-05	2.42E-08	7.31E-08	4.23E-08	5.18E-08	4.70E-08	2.14E-08	1.88E-08	8.08E-10	1.95E-08	4.31E-09	7.03E-09	1.12E-08	1.97E-09	1.24E-09	4.60E-08
547	489728.13	3861408.47	6.98E-05	8.55E-05	7.50E-05	2.42E-08	7.31E-08	4.23E-08	5.18E-08	4.70E-08	2.14E-08	1.88E-08	8.08E-10	1.95E-08	4.31E-09	7.04E-09	1.12E-08	1.97E-09	1.24E-09	4.60E-08
548	489528.13	3861458.47	6.81E-05	8.34E-05	7.32E-05	2.36E-08	7.13E-08	4.13E-08	5.05E-08	4.58E-08	2.09E-08	1.83E-08	7.88E-10	1.90E-08	4.20E-09	6.86E-09	1.09E-08	1.92E-09	1.21E-09	4.49E-08
549	489578.13	3861458.47	6.83E-05	8.36E-05	7.33E-05	2.37E-08	7.14E-08	4.14E-08	5.07E-08	4.59E-08	2.10E-08	1.84E-08	7.90E-10	1.91E-08	4.21E-09	6.88E-09	1.09E-08	1.92E-09	1.21E-09	4.50E-08
550	489628.13	3861458.47	6.84E-05	8.38E-05	7.34E-05	2.37E-08	7.16E-08	4.14E-08	5.07E-08	4.60E-08	2.10E-08	1.84E-08	7.91E-10	1.91E-08	4.22E-09	6.89E-09	1.09E-08	1.93E-09	1.21E-09	4.51E-08
551	489678.13	3861458.47	6.85E-05	8.38E-05	7.35E-05	2.37E-08	7.16E-08	4.15E-08	5.08E-08	4.60E-08	2.10E-08	1.84E-08	7.92E-10	1.91E-08	4.22E-09	6.90E-09	1.09E-08	1.93E-09	1.22E-09	4.51E-08
552	489728.13	3861458.47	6.84E-05	8.38E-05	7.35E-05	2.37E-08	7.16E-08	4.15E-08	5.08E-08	4.60E-08	2.10E-08	1.84E-08	7.92E-10	1.91E-08	4.22E-09	6.89E-09	1.09E-08	1.93E-09	1.21E-09	4.51E-08
553	489528.13	3861508.47	6.69E-05	8.19E-05	7.18E-05	2.32E-08	7.00E-08	4.05E-08	4.96E-08	4.50E-08	2.05E-08	1.80E-08	7.74E-10	1.87E-08	4.12E-09	6.73E-09	1.07E-08	1.88E-09	1.19E-09	4.41E-08
554	489578.13	3861508.47	6.70E-05	8.20E-05	7.19E-05	2.32E-08	7.01E-08	4.06E-08	4.97E-08	4.50E-08	2.06E-08	1.80E-08	7.75E-10	1.87E-08	4.13E-09	6.75E-09	1.07E-08	1.89E-09	1.19E-09	4.41E-08
555	489628.13	3861508.47	6.70E-05	8.21E-05	7.20E-05	2.32E-08	7.02E-08	4.06E-08	4.97E-08	4.51E-08	2.06E-08	1.80E-08	7.76E-10	1.87E-08	4.14E-09	6.75E-09	1.07E-08	1.89E-09	1.19E-09	4.42E-08
556	489678.13	3861508.47	6.71E-05	8.22E-05	7.21E-05	2.33E-08	7.02E-08	4.06E-08	4.98E-08	4.51E-08	2.06E-08	1.81E-08	7.76E-10	1.88E-08	4.14E-09	6.76E-09	1.07E-08	1.89E-09	1.19E-09	4.42E-08
557	489728.13	3861508.47	6.71E-05	8.22E-05	7.21E-05	2.33E-08	7.03E-08	4.07E-08	4.98E-08	4.52E-08	2.06E-08	1.81E-08	7.77E-10	1.88E-08	4.14E-09	6.76E-09	1.07E-08	1.89E-09	1.19E-09	4.43E-08
558	489628.13	3861558.47	6.59E-05	8.07E-05	7.08E-05	2.28E-08	6.89E-08	3.99E-08	4.89E-08	4.43E-08	2.02E-08	1.77E-08	7.62E-10	1.84E-08	4.06E-09	6.64E-09	1.05E-08	1.86E-09	1.17E-09	4.34E-08
559	489678.13	3861558.47	6.60E-05	8.08E-05	7.09E-05	2.29E-08	6.91E-08	4.00E-08	4.90E-08	4.44E-08	2.03E-08	1.78E-08	7.64E-10	1.85E-08	4.07E-09	6.65E-09	1.05E-08	1.86E-09	1.17E-09	4.35E-08
560	489728.13	3861558.47	6.61E-05	8.09E-05	7.09E-05	2.29E-08	6.91E-08	4.00E-08	4.90E-08	4.44E-08	2.03E-08	1.78E-08	7.64E-10	1.85E-08	4.07E-09	6.65E-09	1.06E-08	1.86E-09	1.17E-09	4.35E-08
561	489357.08	3861015.81	8.16E-05	9.99E-05	8.76E-05	2.83E-08	8.54E-08	4.94E-08	6.05E-08	5.49E-08	2.50E-08	2.20E-08	9.44E-10	2.28E-08	5.03E-09	8.22E-09	1.30E-08	2.30E-09	1.45E-09	5.38E-08
562	489407.08	3861015.81	8.15E-05	9.99E-05	8.76E-05	2.83E-08	8.53E-08	4.94E-08	6.05E-08	5.48E-08	2.50E-08	2.19E-08	9.44E-10	2.28E-08	5.03E-09	8.21E-09	1.30E-08	2.30E-09	1.45E-09	5.38E-08
563	489457.08	3861015.81	8.16E-05	9.99E-05	8.76E-05	2.83E-08	8.54E-08	4.94E-08	6.05E-08	5.49E-08	2.50E-08	2.20E-08	9.44E-10	2.28E-08	5.03E-09	8.22E-09	1.30E-08	2.30E-09	1.45E-09	5.38E-08
564	489357.08	3861065.81	7.99E-05	9.79E-05	8.59E-05	2.77E-08	8.36E-08	4.84E-08	5.93E-08	5.38E-08	2.45E-08	2.15E-08	9.25E-10	2.23E-08	4.93E-09	8.05E-09	1.28E-08	2.25E-09	1.42E-09	5.27E-08
565	489407.08	3861065.81	7.99E-05	9.78E-05	8.58E-05	2.77E-08	8.36E-08	4.84E-08	5.93E-08	5.37E-08	2.45E-08	2.15E-08	9.25E-10	2.23E-08	4.93E-09	8.05E-09	1.28E-08	2.25E-09	1.42E-09	5.27E-08
566	489457.08	3861065.81	7.99E-05	9.79E-05	8.59E-05	2.77E-08	8.36E-08	4.84E-08	5.93E-08	5.38E-08	2.45E-08	2.15E-08	9.25E-10	2.23E-08	4.93E-09	8.05E-09	1.28E-08	2.25E-09	1.42E-09	5.27E-08
567	489357.08	3861115.81	7.83E-05	9.59E-05	8.41E-05	2.71E-08	8.19E-08	4.74E-08	5.81E-08	5.26E-08	2.40E-08	2.11E-08	9.06E-10	2.19E-08	4.83E-09	7.89E-09	1.25E-08	2.20E-09	1.39E-09	5.16E-08
568	489407.08	3861115.81	7.84E-05	9.60E-05	8.42E-05	2.72E-08	8.20E-08	4.75E-08	5.82E-08	5.27E-08	2.41E-08	2.11E-08	9.07E-10	2.19E-08	4.84E-09	7.90E-09	1.25E-08	2.21E-09	1.39E-09	5.17E-08
569	489457.08	3861115.81	7.85E-05	9.61E-05	8.43E-05	2.72E-08	8.21E-08	4.75E-08	5.82E-08	5.28E-08	2.41E-08	2.11E-08	9.08E-10	2.19E-08	4.84E-09	7.91E-09	1.25E-08	2.21E-09	1.39E-09	5.17E-08
570	489407.08	3861165.81	7.69E-05	9.42E-05	8.26E-05	2.67E-08	8.05E-08	4.66E-08	5.71E-08	5.17E-08	2.36E-08	2.07E-08	8.90E-10	2.15E-08	4.74E-09	7.75E-09	1.23E-08	2.17E-09	1.37E-09	5.07E-08
571	489457.08	3861165.81	7.69E-05	9.42E-05	8.26E-05	2.67E-08	8.05E-08	4.66E-08	5.71E-08	5.17E-08	2.36E-08	2.07E-08	8.90E-10	2.15E-08	4.74E-09	7.75E-09	1.23E-08	2.17E-09	1.37E-09	5.07E-08
572	489407.08	3861215.81	7.50E-05	9.19E-05	8.06E-05	2.60E-08	7.85E-08	4.54E-08	5.56E-08	5.04E-08	2.30E-08	2.02E-08	8.68E-10	2.10E-08	4.63E-09	7.55E-09	1.20E-08	2.11E-09	1.33E-09	4.94E-08
573	489457.08	3861215.81	7.51E-05	9.19E-05	8.06E-05	2.60E-08	7.85E-08	4.55E-08	5.57E-08	5.05E-08	2.30E-08	2.02E-08	8.69E-10	2.10E-08	4.63E-09	7.56E-09	1.20E-08	2.11E-09	1.33E-09	4.95E-08
574	489407.08	3861265.81	7.31E-05	8.96E-05	7.86E-05	2.53E-08	7.65E-08	4.43E-08	5.43E-08	4.92E-08	2.24E-08	1.97E-08	8.46E-10	2.04E-08	4.51E-09	7.37E-09	1.17E-08	2.06E-09	1.30E-09	4.82E-08
575	489457.08	3861265.81	7.33E-05	8.98E-05	7.87E-05	2.54E-08	7.67E-08	4.44E-08	5.44E-08	4.93E-08	2.25E-08	1.97E-08	8.48E-10	2.05E-08	4.52E-09	7.39E-09	1.17E-08	2.06E-09	1.30E-09	4.83E-08
576	489309.86	3861110.14	7.83E-05	9.59E-05	8.41E-05	2.71E-08	8.19E-08	4.74E-08	5.81E-08	5.27E-08	2.40E-08	2.11E-08	9.06E-10	2.19E-08	4.83E-09	7.89E-09	1.25E-08	2.20E-09	1.39E-09	5.16E-08
577	489407.08	3861315.81	7.17E-05	8.78E-05	7.70E-05	2.48E-08	7.50E-08	4.34E-08	5.32E-08	4.82E-08	2.20E-08	1.93E-08	8.30E-10	2.00E-08	4.42E-09	7.22E-09	1.15E-08	2.02E-09	1.27E-09	4.73E-08
578	489457.08	3861315.81	7.19E-05	8.80E-05	7.72E-05	2.49E-08	7.52E-08	4.35E-08	5.33E-08	4.83E-08	2.21E-08	1.93E-08	8.32E-10	2.01E-08	4.43E-09	7.24E-09	1.15E-08	2.02E-09	1.28E-09	4.74E-08
579	488906.03	3861006.75	8.15E-05	9.99E-05	8.76E-05	2.83E-08	8.53E-08	4.94E-08	6.05E-08	5.48E-08	2.50E-08	2.19E-08	9.44E-10	2.28E-08	5.03E-09	8.21E-09	1.30E-08	2.30E-09	1.45E-09	5.38E-08
580	488956.03	3861006.75	8.19E-05	1.00E-04	8.79E-05	2.84E-08	8.57E-08	4.96E-08	6.07E-08	5.51E-08	2.51E-08	2.20E-08	9.47E-10	2.29E-08	5.05E-09	8.25E-09	1.31E-08	2.31E-09	1.45E-09	5.40E-08
581	488904.24	3861051.87	8.12E-05	9.95E-05	8.72E-05	2.81E-08	8.50E-08	4.92E-08	6.03E-08	5.46E-08	2.49E-08	2.19E-08	9.40E-10	2.27E-08	5.01E-09	8.18E-09	1.30E-08	2.29E-09	1.44E-09	5.35E-08
582	488954.24	3861051.87	8.07E-05	9.89E-05	8.67E-05	2.80E-08	8.45E-08	4.89E-08	5.99E-08	5.43E-08	2.48E-08	2.17E-08	9.34E-10	2.26E-08	4.98E-09	8.13E-09	1.29E-08	2.27E-09	1.43E-09	5.32E-08
583	489004.24	3861051.87	8.12E-05	9.94E-05	8.72E-05	2.81E-08	8.49E-08	4.92E-08	6.02E-08	5.46E-08	2.49E-08	2.19E-08	9.39E-10	2.27E-08	5.01E-09	8.18E-09	1.30E-08	2.29E-09	1.44E-09	5.35E-08
584	488804.24	3861101.87	7.89E-05	9.66E-05	8.47E-05	2.73E-08	8.25E-08	4.78E-08	5.85E-08	5.30E-08	2.42E-08	2.12E-08	9.13E-10	2.20E-08	4.86E-09	7.94E-09	1.26E-08	2.22E-09	1.40E-09	5.20E-08
585	488854.24	3861101.87	7.91E-05	9.69E-05	8.50E-05	2.74E-08	8.28E-08	4.79E-08	5.87E-08	5.32E-08	2.43E-08	2.13E-08	9.15E-10	2.21E-08	4.88E-09	7.97E-09	1.26E-08	2.23E-09	1.40E-09	5.21E-08
586	488904.24	3861101.87	7.82E-05	9.58E-05	8.40E-05	2.71E-08	8.18E-08	4.74E-08	5.80E-08	5.26E-08	2.40E-08	2.10E-08	9.05E-10	2.19E-08	4.82E-09	7.88E-09	1.25E-08	2.20E-09	1.39E-09	5.15E-08
587	488954.24	3861101.87	7.79E-05	9.55E-05	8.37E-05	2.70E-08	8.16E-08	4.72E-08	5.78E-08	5.24E-08	2.39E-08	2.10E-08	9.02E-10	2.18E-08	4.81E-09	7.85E-09	1.25E-08	2.20E-09	1.38E-09	5.14E-08
588	489004.24	3861101.87	7.81E-05	9.56E-05	8.38E-05	2.70E-08	8.17E-08	4.73E-08	5.79E-08	5.25E-08	2.40E-08	2.10E-08	9.03E-10	2.18E-08	4.81E-09	7.86E-09	1.25E-08	2.20E-09	1.39E-09	5.15E-08
589	488804.24	3861151.87	7.61E-05	9.32E-05	8.17E-05	2.64E-08	7.96E-08	4.61E-08	5.64E-08	5.12E-08	2.33E-08	2.05E-08	8.80E-10	2.13E-08	4.69E-09	7.66E-09	1.22E-08	2.14E-09	1.35E-09	5.01E-08
590	488854.24	3861151.87	7.59E-05	9.30E-05	8.15E-05	2.63E-08	7.94E-08	4.60E-08	5.63E-08	5.10E-08	2.33E-08	2.04E-08	8.78E-10	2.12E-08	4.68E-09	7.64E-09	1.21E-08	2.14E-09	1.35E-09	5.00E-08
591	489129.49	3861187.55	7.50E-05	9.19E-05	8.06E-05	2.60E-08	7.85E-08	4.54E-08	5.57E-08	5.05E-08	2.30E-08	2.02E-08	8.68E-10	2.10E-08	4.63E-09	7.56E-09	1.20E-08	2.11E-09	1.33E-09	4.95E-08
592	489179.49	3861187.55	7.51E-05	9.20E-05	8.07E-05	2.60E-08	7.86E-08	4.55E-08	5.57E-08	5.05E-08	2.30E-08	2.02E-08	8.69E-10	2.10E-08	4.63E-09	7.56E-09	1.20E-08	2.11E-09	1.33E-09	4.95E-08
593	488804.24	3861201.87	7.46E-05	9.13E-05	8.01E-05	2.58E-08	7.80E-08	4.52E-08	5.53E-08	5.02E-08	2.29E-08	2.01E-08	8.63E-10	2.08E-08	4.60E-09	7.51E-09	1.19E-08	2.10E-09	1.32E-09	4.92E-08
594	488854.24	3861201.87	7.42E-05	9.09E-05	7.97E-05	2.57E-08	7.76E-08	4.49E-08	5.50E-08	4.99E-08	2.28E-08	2.00E-08	8.59E-10	2.07E-08	4.58E-09	7.47E-09	1.19E-08	2.09E-09	1.32E-09	4.89E-08
595	489129.49	3861237.55	7.37E-05	9.02E-05	7.92E-05	2.55E-08	7.71E-08	4.46E-08	5.47E-08	4.96E-08	2.26E-08	1.98E-08	8.53E-10	2.06E-08	4.55E-09	7.42E-09	1.18E-08	2.08E-09	1.31E-09	4.86E-08
596	489179.49	3861237.55	7.36E-05	9.01E-05	7.91E-05	2.55E-08	7.70E-08	4.46E-08	5.46E-08	4.95E-08	2.26E-08	1.98E-08	8.52E-10	2.06E-08	4.54E-09	7.41E-09	1.18E-08	2.07E-09	1.31E-09	4.85E-08
597	488804.24	3861251.87	7.32E-05	8.97E-05	7.86E-05	2.54E-08	7.66E-08	4.43E-08	5.43E-08	4.92E-08	2.25E-08	1.97E-08	8.47E-10	2.05E-08	4.52E-09	7.37E-09	1.17E-08	2.06E-09	1.30E-09	4.83E-08
598	488854.24	3861251.87	7.28E-05	8.91E-05	7.82E-05	2.52E-08	7.62E-08	4.41E-08	5.40E-08	4.89E-08	2.23E-08	1.96E-08	8.42E-10	2.03E-08	4.49E-09	7.33E-09	1.16E-08	2.05E-09	1.29E-09	4.80E-08
599	488804.24	3861301.87	7.17E-05	8.78E-05	7.70E-05	2.48E-08	7.50E-08	4.34E-08	5.32E-08	4.82E-08	2.20E-08	1.93E-08	8.30E-10	2.00E-08	4.42E-09	7.22E-09	1.15E-08	2.02E-09	1.27E-09	4.73E-08
600	488854.24	3861301.87	7.14E-05	8.75E-05	7.67E-05	2.47E-08	7.47E-08	4.33E-08	5.30E-08	4.80E-08	2.19E-08	1.92E-08	8.26E-10	2.00E-08	4.41E-09	7.19E-09	1.14E-08	2.01E-09	1.27E-09	4.71E-08
601	490943.5	3860181.97	1.19E-04	1.45E-04	1.27E-04	4.11E-08	1.24E-07	7.19E-08	8.80E-08	7.98E-08	3.64E-08	3.19E-08	1.37E-09	3.32E-08	7.32E-09	1.20E-08	1.90E-08	3.34E-09	2.11E-09	7.82E-08
602	490993.5	3860181.97	1.18E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.17E-08	8.78E-08	7.96E-08	3.63E-08	3.18E-08	1.37E-09	3.31E-08	7.30E-09	1.19E-08	1.89E-08	3.33E-09	2.10E-09	7.80E-08
603	491043.5	3860181.97	1.18E-04	1.45E-04	1.27E-04	4.09E-08	1.24E-07	7.16E-08	8.76E-08	7.94E-08	3.62E-08	3.18E-08	1.37E-09	3.30E-08	7.29E-09	1.19E-08	1.89E-08	3.33E-09	2.10E-09	7.79E-08

604	491093.5	3860181.97	1.18E-04	1.44E-04	1.27E-04	4.08E-08	1.23E-07	7.14E-08	8.74E-08	7.92E-08	3.61E-08	3.17E-08	1.36E-09	3.29E-08	7.27E-09	1.19E-08	1.88E-08	3.32E-09	2.09E-09	7.77E-08
605	490943.5	3860231.97	1.16E-04	1.41E-04	1.24E-04	4.00E-08	1.21E-07	7.00E-08	8.57E-08	7.77E-08	3.55E-08	3.11E-08	1.34E-09	3.23E-08	7.13E-09	1.16E-08	1.85E-08	3.25E-09	2.05E-09	7.62E-08
606	490993.5	3860231.97	1.15E-04	1.41E-04	1.24E-04	4.00E-08	1.21E-07	6.99E-08	8.56E-08	7.76E-08	3.54E-08	3.11E-08	1.34E-09	3.23E-08	7.12E-09	1.16E-08	1.84E-08	3.25E-09	2.05E-09	7.61E-08
607	491043.5	3860231.97	1.15E-04	1.41E-04	1.23E-04	3.98E-08	1.20E-07	6.96E-08	8.53E-08	7.73E-08	3.53E-08	3.09E-08	1.33E-09	3.21E-08	7.09E-09	1.16E-08	1.84E-08	3.24E-09	2.04E-09	7.58E-08
608	491093.5	3860231.97	1.14E-04	1.40E-04	1.23E-04	3.97E-08	1.20E-07	6.93E-08	8.49E-08	7.70E-08	3.51E-08	3.08E-08	1.32E-09	3.20E-08	7.06E-09	1.15E-08	1.83E-08	3.22E-09	2.03E-09	7.55E-08
609	490943.5	3860281.97	1.13E-04	1.38E-04	1.21E-04	3.91E-08	1.18E-07	6.83E-08	8.36E-08	7.58E-08	3.46E-08	3.03E-08	1.30E-09	3.15E-08	6.95E-09	1.14E-08	1.80E-08	3.17E-09	2.00E-09	7.43E-08
610	490993.5	3860281.97	1.12E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.81E-08	8.34E-08	7.56E-08	3.45E-08	3.03E-08	1.30E-09	3.14E-08	6.94E-09	1.13E-08	1.80E-08	3.17E-09	2.00E-09	7.41E-08
611	491043.5	3860281.97	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.78E-08	8.31E-08	7.53E-08	3.44E-08	3.01E-08	1.30E-09	3.13E-08	6.91E-09	1.13E-08	1.79E-08	3.15E-09	1.99E-09	7.38E-08
612	491093.5	3860281.97	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.76E-08	8.28E-08	7.50E-08	3.42E-08	3.00E-08	1.29E-09	3.12E-08	6.88E-09	1.12E-08	1.78E-08	3.14E-09	1.98E-09	7.35E-08
613	490943.5	3860331.97	1.10E-04	1.35E-04	1.18E-04	3.82E-08	1.15E-07	6.67E-08	8.17E-08	7.41E-08	3.38E-08	2.96E-08	1.27E-09	3.08E-08	6.79E-09	1.11E-08	1.76E-08	3.10E-09	1.95E-09	7.26E-08
614	490993.5	3860331.97	1.10E-04	1.34E-04	1.18E-04	3.80E-08	1.15E-07	6.64E-08	8.13E-08	7.37E-08	3.36E-08	2.95E-08	1.27E-09	3.06E-08	6.76E-09	1.10E-08	1.75E-08	3.09E-09	1.94E-09	7.22E-08
615	491043.5	3860331.97	1.09E-04	1.34E-04	1.17E-04	3.78E-08	1.14E-07	6.61E-08	8.09E-08	7.33E-08	3.35E-08	2.93E-08	1.26E-09	3.05E-08	6.73E-09	1.10E-08	1.74E-08	3.07E-09	1.94E-09	7.19E-08
616	491093.5	3860331.97	1.09E-04	1.33E-04	1.17E-04	3.76E-08	1.14E-07	6.58E-08	8.06E-08	7.31E-08	3.33E-08	2.92E-08	1.26E-09	3.04E-08	6.70E-09	1.09E-08	1.74E-08	3.06E-09	1.93E-09	7.16E-08
617	490086.72	3859935.12	1.48E-04	1.81E-04	1.59E-04	5.13E-08	1.55E-07	8.97E-08	1.10E-07	9.96E-08	4.54E-08	3.99E-08	1.71E-09	4.14E-08	9.13E-09	1.49E-08	2.37E-08	4.17E-09	2.63E-09	9.76E-08
618	490136.72	3859935.12	1.47E-04	1.80E-04	1.58E-04	5.10E-08	1.54E-07	8.91E-08	1.09E-07	9.89E-08	4.51E-08	3.96E-08	1.70E-09	4.11E-08	9.07E-09	1.48E-08	2.35E-08	4.14E-09	2.61E-09	9.69E-08
619	490186.72	3859935.12	1.46E-04	1.79E-04	1.57E-04	5.06E-08	1.53E-07	8.85E-08	1.08E-07	9.82E-08	4.48E-08	3.93E-08	1.69E-09	4.08E-08	9.01E-09	1.47E-08	2.33E-08	4.11E-09	2.59E-09	9.63E-08
620	490236.72	3859935.12	1.45E-04	1.78E-04	1.56E-04	5.03E-08	1.52E-07	8.79E-08	1.08E-07	9.75E-08	4.45E-08	3.90E-08	1.68E-09	4.05E-08	8.95E-09	1.46E-08	2.32E-08	4.08E-09	2.57E-09	9.56E-08
621	490286.72	3859935.12	1.44E-04	1.76E-04	1.55E-04	4.99E-08	1.51E-07	8.73E-08	1.07E-07	9.69E-08	4.42E-08	3.88E-08	1.67E-09	4.03E-08	8.88E-09	1.45E-08	2.30E-08	4.06E-09	2.56E-09	9.50E-08
622	490336.72	3859935.12	1.43E-04	1.75E-04	1.54E-04	4.96E-08	1.50E-07	8.67E-08	1.06E-07	9.62E-08	4.39E-08	3.85E-08	1.66E-09	4.00E-08	8.83E-09	1.44E-08	2.29E-08	4.03E-09	2.54E-09	9.43E-08
623	490386.72	3859935.12	1.42E-04	1.74E-04	1.53E-04	4.93E-08	1.49E-07	8.63E-08	1.06E-07	9.58E-08	4.37E-08	3.83E-08	1.65E-09	3.98E-08	8.78E-09	1.43E-08	2.28E-08	4.01E-09	2.53E-09	9.39E-08
624	490436.72	3859935.12	1.42E-04	1.74E-04	1.52E-04	4.91E-08	1.48E-07	8.58E-08	1.05E-07	9.53E-08	4.35E-08	3.81E-08	1.64E-09	3.96E-08	8.74E-09	1.43E-08	2.26E-08	3.99E-09	2.52E-09	9.34E-08
625	490486.72	3859935.12	1.41E-04	1.73E-04	1.52E-04	4.89E-08	1.48E-07	8.55E-08	1.05E-07	9.50E-08	4.33E-08	3.80E-08	1.63E-09	3.95E-08	8.71E-09	1.42E-08	2.26E-08	3.98E-09	2.51E-09	9.31E-08
626	490536.72	3859935.12	1.41E-04	1.73E-04	1.52E-04	4.89E-08	1.48E-07	8.55E-08	1.05E-07	9.49E-08	4.33E-08	3.80E-08	1.63E-09	3.95E-08	8.71E-09	1.42E-08	2.26E-08	3.98E-09	2.51E-09	9.31E-08
627	490586.72	3859935.12	1.41E-04	1.73E-04	1.52E-04	4.90E-08	1.48E-07	8.56E-08	1.05E-07	9.51E-08	4.34E-08	3.80E-08	1.64E-09	3.95E-08	8.72E-09	1.42E-08	2.26E-08	3.98E-09	2.51E-09	9.32E-08
628	490636.72	3859935.12	1.41E-04	1.73E-04	1.52E-04	4.89E-08	1.48E-07	8.56E-08	1.05E-07	9.50E-08	4.33E-08	3.80E-08	1.63E-09	3.95E-08	8.71E-09	1.42E-08	2.26E-08	3.98E-09	2.51E-09	9.31E-08
629	490686.72	3859935.12	1.42E-04	1.74E-04	1.52E-04	4.91E-08	1.48E-07	8.58E-08	1.05E-07	9.53E-08	4.35E-08	3.81E-08	1.64E-09	3.96E-08	8.74E-09	1.43E-08	2.26E-08	3.99E-09	2.52E-09	9.34E-08
630	490736.72	3859935.12	1.42E-04	1.74E-04	1.52E-04	4.92E-08	1.48E-07	8.59E-08	1.05E-07	9.54E-08	4.35E-08	3.82E-08	1.64E-09	3.97E-08	8.75E-09	1.43E-08	2.27E-08	4.00E-09	2.52E-09	9.35E-08
631	490086.72	3859985.12	1.44E-04	1.77E-04	1.55E-04	5.00E-08	1.51E-07	8.74E-08	1.07E-07	9.70E-08	4.43E-08	3.88E-08	1.67E-09	4.03E-08	8.90E-09	1.45E-08	2.31E-08	4.06E-09	2.56E-09	9.51E-08
632	490136.72	3859985.12	1.43E-04	1.75E-04	1.54E-04	4.97E-08	1.50E-07	8.68E-08	1.06E-07	9.64E-08	4.40E-08	3.86E-08	1.66E-09	4.01E-08	8.84E-09	1.44E-08	2.29E-08	4.04E-09	2.54E-09	9.45E-08
633	490186.72	3859985.12	1.42E-04	1.74E-04	1.53E-04	4.93E-08	1.49E-07	8.63E-08	1.06E-07	9.58E-08	4.37E-08	3.83E-08	1.65E-09	3.98E-08	8.78E-09	1.43E-08	2.28E-08	4.01E-09	2.53E-09	9.39E-08
634	490236.72	3859985.12	1.42E-04	1.73E-04	1.52E-04	4.91E-08	1.48E-07	8.57E-08	1.05E-07	9.52E-08	4.34E-08	3.81E-08	1.64E-09	3.96E-08	8.73E-09	1.43E-08	2.26E-08	3.99E-09	2.51E-09	9.33E-08
635	490286.72	3859985.12	1.41E-04	1.72E-04	1.51E-04	4.87E-08	1.47E-07	8.51E-08	1.04E-07	9.45E-08	4.31E-08	3.78E-08	1.63E-09	3.93E-08	8.67E-09	1.42E-08	2.25E-08	3.96E-09	2.49E-09	9.26E-08
636	490336.72	3859985.12	1.40E-04	1.71E-04	1.50E-04	4.84E-08	1.46E-07	8.45E-08	1.04E-07	9.39E-08	4.28E-08	3.76E-08	1.61E-09	3.90E-08	8.61E-09	1.41E-08	2.23E-08	3.93E-09	2.48E-09	9.20E-08
637	490386.72	3859985.12	1.38E-04	1.70E-04	1.49E-04	4.80E-08	1.45E-07	8.39E-08	1.03E-07	9.31E-08	4.25E-08	3.73E-08	1.60E-09	3.87E-08	8.54E-09	1.39E-08	2.21E-08	3.90E-09	2.46E-09	9.13E-08
638	490436.72	3859985.12	1.38E-04	1.69E-04	1.48E-04	4.77E-08	1.44E-07	8.34E-08	1.02E-07	9.26E-08	4.22E-08	3.70E-08	1.59E-09	3.85E-08	8.49E-09	1.39E-08	2.20E-08	3.88E-09	2.44E-09	9.07E-08
639	490486.72	3859985.12	1.37E-04	1.68E-04	1.47E-04	4.75E-08	1.43E-07	8.30E-08	1.02E-07	9.21E-08	4.20E-08	3.69E-08	1.59E-09	3.83E-08	8.45E-09	1.38E-08	2.19E-08	3.86E-09	2.43E-09	9.03E-08
640	490536.72	3859985.12	1.37E-04	1.67E-04	1.47E-04	4.74E-08	1.43E-07	8.28E-08	1.01E-07	9.19E-08	4.19E-08	3.68E-08	1.58E-09	3.82E-08	8.43E-09	1.38E-08	2.18E-08	3.85E-09	2.43E-09	9.01E-08
641	490586.72	3859985.12	1.36E-04	1.67E-04	1.47E-04	4.73E-08	1.43E-07	8.27E-08	1.01E-07	9.18E-08	4.19E-08	3.67E-08	1.58E-09	3.82E-08	8.42E-09	1.38E-08	2.18E-08	3.84E-09	2.42E-09	9.00E-08
642	490636.72	3859985.12	1.37E-04	1.67E-04	1.47E-04	4.73E-08	1.43E-07	8.27E-08	1.01E-07	9.18E-08	4.19E-08	3.67E-08	1.58E-09	3.82E-08	8.42E-09	1.38E-08	2.18E-08	3.85E-09	2.42E-09	9.00E-08
643	490686.72	3859985.12	1.37E-04	1.68E-04	1.47E-04	4.75E-08	1.43E-07	8.30E-08	1.02E-07	9.21E-08	4.20E-08	3.69E-08	1.58E-09	3.83E-08	8.45E-09	1.38E-08	2.19E-08	3.86E-09	2.43E-09	9.03E-08
644	490736.72	3859985.12	1.37E-04	1.68E-04	1.47E-04	4.74E-08	1.43E-07	8.29E-08	1.02E-07	9.20E-08	4.20E-08	3.68E-08	1.58E-09	3.82E-08	8.44E-09	1.38E-08	2.19E-08	3.85E-09	2.43E-09	9.02E-08
645	490786.72	3859985.12	1.37E-04	1.67E-04	1.47E-04	4.74E-08	1.43E-07	8.28E-08	1.01E-07	9.20E-08	4.20E-08	3.68E-08	1.58E-09	3.82E-08	8.43E-09	1.38E-08	2.18E-08	3.85E-09	2.43E-09	9.01E-08
646	490086.72	3860035.12	1.41E-04	1.72E-04	1.51E-04	4.87E-08	1.47E-07	8.51E-08	1.04E-07	9.45E-08	4.31E-08	3.78E-08	1.63E-09	3.93E-08	8.67E-09	1.42E-08	2.25E-08	3.96E-09	2.49E-09	9.26E-08
647	490136.72	3860035.12	1.40E-04	1.71E-04	1.50E-04	4.84E-08	1.46E-07	8.46E-08	1.04E-07	9.40E-08	4.29E-08	3.76E-08	1.62E-09	3.91E-08	8.62E-09	1.41E-08	2.23E-08	3.93E-09	2.48E-09	9.21E-08
648	490186.72	3860035.12	1.39E-04	1.70E-04	1.49E-04	4.81E-08	1.45E-07	8.41E-08	1.03E-07	9.34E-08	4.26E-08	3.74E-08	1.61E-09	3.88E-08	8.57E-09	1.40E-08	2.22E-08	3.91E-09	2.46E-09	9.15E-08
649	490236.72	3860035.12	1.38E-04	1.69E-04	1.48E-04	4.78E-08	1.44E-07	8.36E-08	1.02E-07	9.28E-08	4.23E-08	3.71E-08	1.60E-09	3.86E-08	8.51E-09	1.39E-08	2.20E-08	3.89E-09	2.45E-09	9.10E-08
650	490286.72	3860035.12	1.37E-04	1.68E-04	1.47E-04	4.75E-08	1.43E-07	8.30E-08	1.02E-07	9.21E-08	4.20E-08	3.69E-08	1.59E-09	3.83E-08	8.45E-09	1.38E-08	2.19E-08	3.86E-09	2.43E-09	9.03E-08
651	490336.72	3860035.12	1.36E-04	1.67E-04	1.46E-04	4.72E-08	1.42E-07	8.25E-08	1.01E-07	9.16E-08	4.18E-08	3.66E-08	1.58E-09	3.81E-08	8.40E-09	1.37E-08	2.18E-08	3.83E-09	2.42E-09	8.98E-08
652	490386.72	3860035.12	1.35E-04	1.65E-04	1.45E-04	4.68E-08	1.41E-07	8.18E-08	1.00E-07	9.08E-08	4.14E-08	3.63E-08	1.56E-09	3.78E-08	8.33E-09	1.36E-08	2.16E-08	3.80E-09	2.40E-09	8.90E-08
653	490436.72	3860035.12	1.34E-04	1.64E-04	1.44E-04	4.65E-08	1.40E-07	8.12E-08	9.95E-08	9.02E-08	4.12E-08	3.61E-08	1.55E-09	3.75E-08	8.27E-09	1.35E-08	2.14E-08	3.78E-09	2.38E-09	8.84E-08
654	490486.72	3860035.12	1.33E-04	1.63E-04	1.43E-04	4.62E-08	1.39E-07	8.08E-08	9.89E-08	8.97E-08	4.09E-08	3.59E-08	1.54E-09	3.73E-08	8.22E-09	1.34E-08	2.13E-08	3.75E-09	2.37E-09	8.79E-08
655	490536.72	3860035.12	1.33E-04	1.63E-04	1.43E-04	4.60E-08	1.39E-07	8.04E-08	9.85E-08	8.93E-08	4.07E-08	3.57E-08	1.54E-09	3.71E-08	8.19E-09	1.34E-08	2.12E-08	3.74E-09	2.36E-09	8.75E-08
656	490586.72	3860035.12	1.32E-04	1.62E-04	1.42E-04	4.58E-08	1.38E-07	8.01E-08	9.81E-08	8.90E-08	4.06E-08	3.56E-08	1.53E-09	3.70E-08	8.16E-09	1.33E-08	2.11E-08	3.73E-09	2.35E-09	8.72E-08
657	490636.72	3860035.12	1.32E-04	1.61E-04	1.42E-04	4.57E-08	1.38E-07	7.98E-08	9.78E-08	8.86E-08	4.04E-08	3.55E-08	1.52E-09	3.68E-08	8.13E-09	1.33E-08	2.11E-08	3.71E-09	2.34E-09	8.69E-08
658	490686.72	3860035.12	1.32E-04	1.61E-04	1.41E-04	4.56E-08	1.38E-07	7.98E-08	9.77E-08	8.86E-08	4.04E-08	3.54E-08	1.52E-09	3.68E-08	8.12E-09	1.33E-08	2.10E-08	3.71E-09	2.34E-09	8.68E-08
659	490736.72	3860035.12	1.32E-04	1.62E-04	1.42E-04	4.58E-08	1.38E-07	8.00E-08	9.80E-08	8.89E-08	4.05E-08	3.56E-08	1.53E-09	3.69E-08	8.15E-09	1.33E-08	2.11E-08	3.72E-09	2.35E-09	8.71E-08
660	490786.72	3860035.12	1.32E-04	1.62E-04	1.42E-04	4.57E-08	1.38E-07	7.99E-08	9.79E-08	8.87E-08	4.05E-08	3.55E-08	1.53E-09	3.69E-08	8.14E-09	1.33E-08	2.11E-08	3.72E-09	2.34E-09	8.70E-08
661	490836.72	3860035.12	1.32E-04	1.61E-04	1.42E-04	4.57E-08	1.38E-07	7.98E-08	9.78E-08	8.86E-08	4.04E-08	3.55E-08	1.52E-09	3.68E-08	8.13E-09	1.33E-08	2.11E-08	3.71E-09	2.34E-09	8.69E-08
662	490086.72	3860085.12	1.37E-04	1.68E-04	1.48E-04	4.76E-08	1.44E-07	8.32E-08	1.02E-07	9.24E-08	4.21E-08	3.70E-08	1.59E-09	3.84E-08	8.47E-09	1.38E-08	2.19E-08	3.87E-09	2.44E-09	9.05E-08
663	490136.72	3860085.12	1.36E-04	1.67E-04	1.46E-04	4.72E-08	1.43E-07	8.25E-08	1.01E-07	9.16E-08	4.18E-08	3.66E-08	1.58E-09	3.81E-08	8.40E-09	1.37E-08	2.18E-08	3.84E-09	2.42E-09	8.98E-08
664	490186.72	3860085.12	1.36E-04	1.66E-04	1.46E-04	4.70E-08	1.42E-07	8.22E-08	1.01E-07	9.12E-08	4.16E-08	3.65E-08	1.57E-09	3.79E-08	8.37E-09	1.37E-08	2.17E-08	3.82E-09	2.41E-09	8.94E-08

665	490236.72	3860085.12	1.35E-04	1.65E-04	1.45E-04	4.67E-08	1.41E-07	8.16E-08	1.00E-07	9.06E-08	4.14E-08	3.63E-08	1.56E-09	3.77E-08	8.31E-09	1.36E-08	2.15E-08	3.80E-09	2.39E-09	8.88E-08
666	490286.72	3860085.12	1.34E-04	1.64E-04	1.44E-04	4.64E-08	1.40E-07	8.11E-08	9.93E-08	9.00E-08	4.11E-08	3.60E-08	1.55E-09	3.74E-08	8.26E-09	1.35E-08	2.14E-08	3.77E-09	2.38E-09	8.82E-08
667	490336.72	3860085.12	1.33E-04	1.63E-04	1.43E-04	4.60E-08	1.39E-07	8.05E-08	9.85E-08	8.93E-08	4.08E-08	3.57E-08	1.54E-09	3.71E-08	8.19E-09	1.34E-08	2.12E-08	3.74E-09	2.36E-09	8.76E-08
668	490386.72	3860085.12	1.32E-04	1.61E-04	1.42E-04	4.57E-08	1.38E-07	7.99E-08	9.78E-08	8.87E-08	4.05E-08	3.55E-08	1.53E-09	3.69E-08	8.13E-09	1.33E-08	2.11E-08	3.71E-09	2.34E-09	8.69E-08
669	490436.72	3860085.12	1.31E-04	1.60E-04	1.41E-04	4.54E-08	1.37E-07	7.93E-08	9.71E-08	8.80E-08	4.02E-08	3.52E-08	1.51E-09	3.66E-08	8.07E-09	1.32E-08	2.09E-08	3.69E-09	2.32E-09	8.63E-08
670	490486.72	3860085.12	1.30E-04	1.59E-04	1.40E-04	4.50E-08	1.36E-07	7.87E-08	9.64E-08	8.74E-08	3.99E-08	3.50E-08	1.50E-09	3.63E-08	8.01E-09	1.31E-08	2.08E-08	3.66E-09	2.31E-09	8.57E-08
671	490536.72	3860085.12	1.29E-04	1.58E-04	1.39E-04	4.48E-08	1.35E-07	7.83E-08	9.59E-08	8.69E-08	3.97E-08	3.48E-08	1.50E-09	3.61E-08	7.97E-09	1.30E-08	2.07E-08	3.64E-09	2.29E-09	8.52E-08
672	490586.72	3860085.12	1.29E-04	1.58E-04	1.38E-04	4.46E-08	1.35E-07	7.79E-08	9.54E-08	8.65E-08	3.95E-08	3.46E-08	1.49E-09	3.60E-08	7.94E-09	1.30E-08	2.06E-08	3.62E-09	2.28E-09	8.48E-08
673	490636.72	3860085.12	1.28E-04	1.57E-04	1.37E-04	4.44E-08	1.34E-07	7.76E-08	9.50E-08	8.61E-08	3.93E-08	3.45E-08	1.48E-09	3.58E-08	7.90E-09	1.29E-08	2.05E-08	3.61E-09	2.27E-09	8.44E-08
674	490686.72	3860085.12	1.28E-04	1.56E-04	1.37E-04	4.43E-08	1.34E-07	7.74E-08	9.47E-08	8.59E-08	3.92E-08	3.44E-08	1.48E-09	3.57E-08	7.88E-09	1.29E-08	2.04E-08	3.60E-09	2.27E-09	8.42E-08
675	490736.72	3860085.12	1.28E-04	1.56E-04	1.37E-04	4.42E-08	1.34E-07	7.73E-08	9.47E-08	8.58E-08	3.92E-08	3.43E-08	1.48E-09	3.57E-08	7.87E-09	1.29E-08	2.04E-08	3.59E-09	2.26E-09	8.41E-08
676	490786.72	3860085.12	1.28E-04	1.56E-04	1.37E-04	4.42E-08	1.33E-07	7.73E-08	9.46E-08	8.58E-08	3.91E-08	3.43E-08	1.48E-09	3.57E-08	7.87E-09	1.28E-08	2.04E-08	3.59E-09	2.26E-09	8.41E-08
677	490836.72	3860085.12	1.27E-04	1.56E-04	1.37E-04	4.41E-08	1.33E-07	7.71E-08	9.44E-08	8.56E-08	3.91E-08	3.43E-08	1.47E-09	3.56E-08	7.85E-09	1.28E-08	2.03E-08	3.58E-09	2.26E-09	8.39E-08
678	490086.72	3860135.12	1.33E-04	1.63E-04	1.43E-04	4.61E-08	1.39E-07	8.05E-08	9.86E-08	8.94E-08	4.08E-08	3.58E-08	1.54E-09	3.72E-08	8.20E-09	1.34E-08	2.12E-08	3.74E-09	2.36E-09	8.76E-08
679	490136.72	3860135.12	1.33E-04	1.62E-04	1.42E-04	4.59E-08	1.39E-07	8.03E-08	9.84E-08	8.92E-08	4.07E-08	3.57E-08	1.53E-09	3.71E-08	8.18E-09	1.34E-08	2.12E-08	3.73E-09	2.35E-09	8.74E-08
680	490186.72	3860135.12	1.32E-04	1.62E-04	1.42E-04	4.58E-08	1.38E-07	8.01E-08	9.80E-08	8.89E-08	4.06E-08	3.56E-08	1.53E-09	3.69E-08	8.15E-09	1.33E-08	2.11E-08	3.72E-09	2.35E-09	8.71E-08
681	490236.72	3860135.12	1.31E-04	1.61E-04	1.41E-04	4.55E-08	1.38E-07	7.96E-08	9.75E-08	8.84E-08	4.03E-08	3.54E-08	1.52E-09	3.67E-08	8.11E-09	1.32E-08	2.10E-08	3.70E-09	2.33E-09	8.66E-08
682	490286.72	3860135.12	1.31E-04	1.60E-04	1.40E-04	4.53E-08	1.37E-07	7.92E-08	9.69E-08	8.79E-08	4.01E-08	3.52E-08	1.51E-09	3.65E-08	8.06E-09	1.32E-08	2.09E-08	3.68E-09	2.32E-09	8.61E-08
683	490336.72	3860135.12	1.30E-04	1.59E-04	1.39E-04	4.50E-08	1.36E-07	7.86E-08	9.63E-08	8.73E-08	3.98E-08	3.49E-08	1.50E-09	3.63E-08	8.01E-09	1.31E-08	2.07E-08	3.66E-09	2.30E-09	8.56E-08
684	490386.72	3860135.12	1.29E-04	1.58E-04	1.38E-04	4.47E-08	1.35E-07	7.81E-08	9.56E-08	8.67E-08	3.95E-08	3.47E-08	1.49E-09	3.60E-08	7.95E-09	1.30E-08	2.06E-08	3.63E-09	2.29E-09	8.49E-08
685	490436.72	3860135.12	1.28E-04	1.57E-04	1.37E-04	4.43E-08	1.34E-07	7.74E-08	9.48E-08	8.60E-08	3.92E-08	3.44E-08	1.48E-09	3.57E-08	7.89E-09	1.29E-08	2.04E-08	3.60E-09	2.27E-09	8.43E-08
686	490486.72	3860135.12	1.27E-04	1.55E-04	1.36E-04	4.40E-08	1.33E-07	7.69E-08	9.42E-08	8.54E-08	3.89E-08	3.42E-08	1.47E-09	3.55E-08	7.83E-09	1.28E-08	2.03E-08	3.57E-09	2.25E-09	8.37E-08
687	490536.72	3860135.12	1.26E-04	1.55E-04	1.36E-04	4.37E-08	1.32E-07	7.64E-08	9.36E-08	8.49E-08	3.87E-08	3.40E-08	1.46E-09	3.53E-08	7.78E-09	1.27E-08	2.02E-08	3.55E-09	2.24E-09	8.32E-08
688	490586.72	3860135.12	1.25E-04	1.54E-04	1.35E-04	4.35E-08	1.31E-07	7.60E-08	9.31E-08	8.44E-08	3.85E-08	3.38E-08	1.45E-09	3.51E-08	7.74E-09	1.26E-08	2.00E-08	3.53E-09	2.23E-09	8.27E-08
689	490636.72	3860135.12	1.25E-04	1.53E-04	1.34E-04	4.32E-08	1.31E-07	7.56E-08	9.25E-08	8.39E-08	3.83E-08	3.36E-08	1.44E-09	3.49E-08	7.69E-09	1.26E-08	1.99E-08	3.51E-09	2.21E-09	8.22E-08
690	490686.72	3860135.12	1.24E-04	1.52E-04	1.33E-04	4.30E-08	1.30E-07	7.52E-08	9.21E-08	8.35E-08	3.81E-08	3.34E-08	1.44E-09	3.47E-08	7.66E-09	1.25E-08	1.98E-08	3.50E-09	2.20E-09	8.18E-08
691	490736.72	3860135.12	1.24E-04	1.51E-04	1.33E-04	4.29E-08	1.29E-07	7.49E-08	9.18E-08	8.32E-08	3.80E-08	3.33E-08	1.43E-09	3.46E-08	7.63E-09	1.25E-08	1.98E-08	3.48E-09	2.20E-09	8.15E-08
692	490786.72	3860135.12	1.24E-04	1.51E-04	1.33E-04	4.28E-08	1.29E-07	7.48E-08	9.17E-08	8.31E-08	3.79E-08	3.32E-08	1.43E-09	3.45E-08	7.62E-09	1.24E-08	1.97E-08	3.48E-09	2.19E-09	8.14E-08
693	490836.72	3860135.12	1.23E-04	1.51E-04	1.32E-04	4.27E-08	1.29E-07	7.46E-08	9.14E-08	8.28E-08	3.78E-08	3.31E-08	1.43E-09	3.44E-08	7.60E-09	1.24E-08	1.97E-08	3.47E-09	2.19E-09	8.12E-08
694	490086.72	3860185.12	1.29E-04	1.58E-04	1.39E-04	4.47E-08	1.35E-07	7.82E-08	9.58E-08	8.68E-08	3.96E-08	3.47E-08	1.49E-09	3.61E-08	7.96E-09	1.30E-08	2.06E-08	3.64E-09	2.29E-09	8.51E-08
695	490136.72	3860185.12	1.29E-04	1.58E-04	1.39E-04	4.47E-08	1.35E-07	7.82E-08	9.57E-08	8.68E-08	3.96E-08	3.47E-08	1.49E-09	3.61E-08	7.96E-09	1.30E-08	2.06E-08	3.63E-09	2.29E-09	8.51E-08
696	490186.72	3860185.12	1.29E-04	1.58E-04	1.38E-04	4.46E-08	1.35E-07	7.80E-08	9.55E-08	8.66E-08	3.95E-08	3.46E-08	1.49E-09	3.60E-08	7.94E-09	1.30E-08	2.06E-08	3.63E-09	2.29E-09	8.49E-08
697	490236.72	3860185.12	1.28E-04	1.57E-04	1.38E-04	4.44E-08	1.34E-07	7.76E-08	9.51E-08	8.62E-08	3.93E-08	3.45E-08	1.48E-09	3.58E-08	7.91E-09	1.29E-08	2.05E-08	3.61E-09	2.28E-09	8.45E-08
698	490286.72	3860185.12	1.28E-04	1.56E-04	1.37E-04	4.42E-08	1.33E-07	7.72E-08	9.46E-08	8.58E-08	3.91E-08	3.43E-08	1.48E-09	3.56E-08	7.87E-09	1.28E-08	2.04E-08	3.59E-09	2.26E-09	8.41E-08
699	490336.72	3860185.12	1.27E-04	1.55E-04	1.36E-04	4.39E-08	1.33E-07	7.68E-08	9.40E-08	8.52E-08	3.89E-08	3.41E-08	1.47E-09	3.54E-08	7.82E-09	1.28E-08	2.03E-08	3.57E-09	2.25E-09	8.36E-08
700	490386.72	3860185.12	1.26E-04	1.54E-04	1.35E-04	4.36E-08	1.32E-07	7.63E-08	9.34E-08	8.47E-08	3.86E-08	3.39E-08	1.46E-09	3.52E-08	7.77E-09	1.27E-08	2.01E-08	3.55E-09	2.23E-09	8.30E-08
701	490436.72	3860185.12	1.25E-04	1.53E-04	1.34E-04	4.33E-08	1.31E-07	7.57E-08	9.28E-08	8.41E-08	3.84E-08	3.36E-08	1.45E-09	3.50E-08	7.71E-09	1.26E-08	2.00E-08	3.52E-09	2.22E-09	8.24E-08
702	490486.72	3860185.12	1.24E-04	1.52E-04	1.33E-04	4.30E-08	1.30E-07	7.52E-08	9.21E-08	8.35E-08	3.81E-08	3.34E-08	1.44E-09	3.47E-08	7.66E-09	1.25E-08	1.98E-08	3.50E-09	2.20E-09	8.18E-08
703	490536.72	3860185.12	1.23E-04	1.51E-04	1.32E-04	4.27E-08	1.29E-07	7.47E-08	9.15E-08	8.29E-08	3.78E-08	3.32E-08	1.43E-09	3.45E-08	7.61E-09	1.24E-08	1.97E-08	3.47E-09	2.19E-09	8.13E-08
704	490586.72	3860185.12	1.23E-04	1.50E-04	1.32E-04	4.25E-08	1.28E-07	7.43E-08	9.10E-08	8.25E-08	3.76E-08	3.30E-08	1.42E-09	3.43E-08	7.56E-09	1.24E-08	1.96E-08	3.45E-09	2.18E-09	8.08E-08
705	490636.72	3860185.12	1.22E-04	1.49E-04	1.31E-04	4.22E-08	1.27E-07	7.38E-08	9.03E-08	8.19E-08	3.74E-08	3.28E-08	1.41E-09	3.40E-08	7.51E-09	1.23E-08	1.95E-08	3.43E-09	2.16E-09	8.03E-08
706	490686.72	3860185.12	1.21E-04	1.48E-04	1.30E-04	4.20E-08	1.27E-07	7.34E-08	8.99E-08	8.15E-08	3.72E-08	3.26E-08	1.40E-09	3.39E-08	7.47E-09	1.22E-08	1.94E-08	3.41E-09	2.15E-09	7.99E-08
707	490736.72	3860185.12	1.20E-04	1.47E-04	1.29E-04	4.17E-08	1.26E-07	7.29E-08	8.93E-08	8.10E-08	3.70E-08	3.24E-08	1.39E-09	3.37E-08	7.43E-09	1.21E-08	1.92E-08	3.39E-09	2.14E-09	7.94E-08
708	490786.72	3860185.12	1.20E-04	1.47E-04	1.29E-04	4.16E-08	1.26E-07	7.27E-08	8.90E-08	8.07E-08	3.68E-08	3.23E-08	1.39E-09	3.35E-08	7.40E-09	1.21E-08	1.92E-08	3.38E-09	2.13E-09	7.91E-08
709	490836.72	3860185.12	1.20E-04	1.46E-04	1.28E-04	4.14E-08	1.25E-07	7.24E-08	8.87E-08	8.04E-08	3.67E-08	3.22E-08	1.38E-09	3.34E-08	7.38E-09	1.20E-08	1.91E-08	3.37E-09	2.12E-09	7.88E-08
710	490086.72	3860235.12	1.26E-04	1.54E-04	1.35E-04	4.35E-08	1.31E-07	7.60E-08	9.31E-08	8.44E-08	3.85E-08	3.38E-08	1.45E-09	3.51E-08	7.74E-09	1.26E-08	2.01E-08	3.53E-09	2.23E-09	8.27E-08
711	490136.72	3860235.12	1.25E-04	1.54E-04	1.35E-04	4.35E-08	1.31E-07	7.60E-08	9.31E-08	8.44E-08	3.85E-08	3.38E-08	1.45E-09	3.51E-08	7.74E-09	1.26E-08	2.01E-08	3.53E-09	2.23E-09	8.27E-08
712	490186.72	3860235.12	1.25E-04	1.54E-04	1.35E-04	4.34E-08	1.31E-07	7.59E-08	9.30E-08	8.43E-08	3.85E-08	3.37E-08	1.45E-09	3.50E-08	7.73E-09	1.26E-08	2.00E-08	3.53E-09	2.22E-09	8.26E-08
713	490236.72	3860235.12	1.25E-04	1.53E-04	1.34E-04	4.33E-08	1.31E-07	7.57E-08	9.27E-08	8.41E-08	3.84E-08	3.36E-08	1.45E-09	3.49E-08	7.71E-09	1.26E-08	2.00E-08	3.52E-09	2.22E-09	8.24E-08
714	490286.72	3860235.12	1.24E-04	1.52E-04	1.34E-04	4.31E-08	1.30E-07	7.54E-08	9.23E-08	8.37E-08	3.82E-08	3.35E-08	1.44E-09	3.48E-08	7.68E-09	1.25E-08	1.99E-08	3.50E-09	2.21E-09	8.20E-08
715	490336.72	3860235.12	1.24E-04	1.52E-04	1.33E-04	4.29E-08	1.30E-07	7.50E-08	9.19E-08	8.33E-08	3.80E-08	3.33E-08	1.43E-09	3.46E-08	7.64E-09	1.25E-08	1.98E-08	3.49E-09	2.20E-09	8.16E-08
716	490386.72	3860235.12	1.23E-04	1.51E-04	1.32E-04	4.27E-08	1.29E-07	7.46E-08	9.13E-08	8.28E-08	3.78E-08	3.31E-08	1.42E-09	3.44E-08	7.59E-09	1.24E-08	1.97E-08	3.47E-09	2.19E-09	8.12E-08
717	490436.72	3860235.12	1.22E-04	1.50E-04	1.31E-04	4.24E-08	1.28E-07	7.41E-08	9.08E-08	8.23E-08	3.76E-08	3.29E-08	1.42E-09	3.42E-08	7.55E-09	1.23E-08	1.96E-08	3.45E-09	2.17E-09	8.07E-08
718	490486.72	3860235.12	1.22E-04	1.49E-04	1.30E-04	4.21E-08	1.27E-07	7.36E-08	9.01E-08	8.17E-08	3.73E-08	3.27E-08	1.41E-09	3.40E-08	7.49E-09	1.22E-08	1.94E-08	3.42E-09	2.16E-09	8.01E-08
719	490536.72	3860235.12	1.21E-04	1.48E-04	1.30E-04	4.18E-08	1.26E-07	7.31E-08	8.95E-08	8.12E-08	3.70E-08	3.25E-08	1.40E-09	3.37E-08	7.44E-09	1.22E-08	1.93E-08	3.40E-09	2.14E-09	7.96E-08
720	490586.72	3860235.12	1.20E-04	1.47E-04	1.29E-04	4.16E-08	1.25E-07	7.26E-08	8.90E-08	8.07E-08	3.68E-08	3.23E-08	1.39E-09	3.35E-08	7.40E-09	1.21E-08	1.92E-08	3.38E-09	2.13E-09	7.91E-08
721	490636.72	3860235.12	1.19E-04	1.46E-04	1.28E-04	4.13E-08	1.25E-07	7.22E-08	8.84E-08	8.01E-08	3.66E-08	3.21E-08	1.38E-09	3.33E-08	7.35E-09	1.20E-08	1.90E-08	3.36E-09	2.11E-09	7.85E-08
722	490686.72	3860235.12	1.18E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.17E-08	8.79E-08	7.96E-08	3.63E-08	3.19E-08	1.37E-09	3.31E-08	7.30E-09	1.19E-08	1.89E-08	3.34E-09	2.10E-09	7.81E-08
723	490736.72	3860235.12	1.18E-04	1.44E-04	1.26E-04	4.08E-08	1.23E-07	7.13E-08	8.73E-08	7.92E-08	3.61E-08	3.17E-08	1.36E-09	3.29E-08	7.26E-09	1.19E-08	1.88E-08	3.31E-09	2.09E-09	7.76E-08
724	490786.72	3860235.12	1.17E-04	1.43E-04	1.26E-04	4.06E-08	1.22E-07	7.09E-08	8.68E-08	7.87E-08	3.59E-08	3.15E-08	1.35E-09	3.27E-08	7.22E-09	1.18E-08	1.87E-08	3.30E-09	2.08E-09	7.71E-08
725	490086.72	3860285.12	1.22E-04	1.49E-04	1.31E-04	4.23E-08	1.28E-07	7.39E-08	9.05E-08	8.20E-08	3.74E-08	3.28E-08	1.41E-09	3.41E-08	7.52E-09	1.23E-08	1.95E-08	3.43E-09	2.16E-09	8.04E-08

726	490136.72	3860285.12	1.22E-04	1.49E-04	1.31E-04	4.23E-08	1.28E-07	7.39E-08	9.05E-08	8.21E-08	3.74E-08	3.28E-08	1.41E-09	3.41E-08	7.53E-09	1.23E-08	1.95E-08	3.44E-09	2.17E-09	8.04E-08
727	490186.72	3860285.12	1.22E-04	1.49E-04	1.31E-04	4.23E-08	1.28E-07	7.39E-08	9.05E-08	8.20E-08	3.74E-08	3.28E-08	1.41E-09	3.41E-08	7.52E-09	1.23E-08	1.95E-08	3.43E-09	2.16E-09	8.04E-08
728	490236.72	3860285.12	1.22E-04	1.49E-04	1.31E-04	4.22E-08	1.27E-07	7.38E-08	9.04E-08	8.19E-08	3.74E-08	3.28E-08	1.41E-09	3.40E-08	7.51E-09	1.23E-08	1.95E-08	3.43E-09	2.16E-09	8.03E-08
729	490286.72	3860285.12	1.21E-04	1.49E-04	1.30E-04	4.21E-08	1.27E-07	7.35E-08	9.01E-08	8.16E-08	3.73E-08	3.27E-08	1.40E-09	3.39E-08	7.49E-09	1.22E-08	1.94E-08	3.42E-09	2.15E-09	8.00E-08
730	490336.72	3860285.12	1.21E-04	1.48E-04	1.30E-04	4.19E-08	1.26E-07	7.32E-08	8.97E-08	8.13E-08	3.71E-08	3.25E-08	1.40E-09	3.38E-08	7.46E-09	1.22E-08	1.93E-08	3.40E-09	2.15E-09	7.97E-08
731	490386.72	3860285.12	1.20E-04	1.47E-04	1.29E-04	4.17E-08	1.26E-07	7.29E-08	8.93E-08	8.10E-08	3.69E-08	3.24E-08	1.39E-09	3.36E-08	7.42E-09	1.21E-08	1.92E-08	3.39E-09	2.14E-09	7.94E-08
732	490436.72	3860285.12	1.20E-04	1.47E-04	1.29E-04	4.15E-08	1.25E-07	7.25E-08	8.88E-08	8.05E-08	3.67E-08	3.22E-08	1.39E-09	3.35E-08	7.38E-09	1.21E-08	1.91E-08	3.37E-09	2.12E-09	7.89E-08
733	490486.72	3860285.12	1.19E-04	1.46E-04	1.28E-04	4.12E-08	1.24E-07	7.21E-08	8.83E-08	8.00E-08	3.65E-08	3.20E-08	1.38E-09	3.33E-08	7.34E-09	1.20E-08	1.90E-08	3.35E-09	2.11E-09	7.84E-08
734	490536.72	3860285.12	1.18E-04	1.45E-04	1.27E-04	4.09E-08	1.24E-07	7.16E-08	8.77E-08	7.95E-08	3.63E-08	3.18E-08	1.37E-09	3.30E-08	7.29E-09	1.19E-08	1.89E-08	3.33E-09	2.10E-09	7.79E-08
735	490586.72	3860285.12	1.17E-04	1.44E-04	1.26E-04	4.07E-08	1.23E-07	7.11E-08	8.70E-08	7.89E-08	3.60E-08	3.16E-08	1.36E-09	3.28E-08	7.24E-09	1.18E-08	1.87E-08	3.30E-09	2.08E-09	7.73E-08
736	490636.72	3860285.12	1.17E-04	1.43E-04	1.25E-04	4.04E-08	1.22E-07	7.06E-08	8.65E-08	7.84E-08	3.58E-08	3.14E-08	1.35E-09	3.26E-08	7.19E-09	1.17E-08	1.86E-08	3.28E-09	2.07E-09	7.69E-08
737	490686.72	3860285.12	1.16E-04	1.42E-04	1.24E-04	4.02E-08	1.21E-07	7.02E-08	8.60E-08	7.79E-08	3.56E-08	3.12E-08	1.34E-09	3.24E-08	7.15E-09	1.17E-08	1.85E-08	3.26E-09	2.06E-09	7.64E-08
738	490736.72	3860285.12	1.15E-04	1.41E-04	1.24E-04	3.99E-08	1.20E-07	6.98E-08	8.54E-08	7.74E-08	3.53E-08	3.10E-08	1.33E-09	3.22E-08	7.10E-09	1.16E-08	1.84E-08	3.24E-09	2.04E-09	7.59E-08
739	490786.72	3860285.12	1.14E-04	1.40E-04	1.23E-04	3.97E-08	1.20E-07	6.94E-08	8.49E-08	7.70E-08	3.51E-08	3.08E-08	1.32E-09	3.20E-08	7.06E-09	1.15E-08	1.83E-08	3.22E-09	2.03E-09	7.55E-08
740	490086.72	3860335.12	1.18E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.17E-08	8.79E-08	7.96E-08	3.63E-08	3.19E-08	1.37E-09	3.31E-08	7.30E-09	1.19E-08	1.89E-08	3.34E-09	2.10E-09	7.81E-08
741	490136.72	3860335.12	1.19E-04	1.45E-04	1.27E-04	4.11E-08	1.24E-07	7.19E-08	8.80E-08	7.98E-08	3.64E-08	3.19E-08	1.37E-09	3.32E-08	7.32E-09	1.20E-08	1.90E-08	3.34E-09	2.11E-09	7.82E-08
742	490186.72	3860335.12	1.19E-04	1.45E-04	1.27E-04	4.11E-08	1.24E-07	7.19E-08	8.80E-08	7.98E-08	3.64E-08	3.19E-08	1.37E-09	3.32E-08	7.32E-09	1.19E-08	1.90E-08	3.34E-09	2.11E-09	7.82E-08
743	490236.72	3860335.12	1.19E-04	1.45E-04	1.27E-04	4.11E-08	1.24E-07	7.19E-08	8.80E-08	7.98E-08	3.64E-08	3.19E-08	1.37E-09	3.32E-08	7.32E-09	1.20E-08	1.90E-08	3.34E-09	2.11E-09	7.82E-08
744	490286.72	3860335.12	1.18E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.17E-08	8.78E-08	7.96E-08	3.63E-08	3.19E-08	1.37E-09	3.31E-08	7.30E-09	1.19E-08	1.89E-08	3.33E-09	2.10E-09	7.80E-08
745	490336.72	3860335.12	1.18E-04	1.45E-04	1.27E-04	4.09E-08	1.23E-07	7.15E-08	8.75E-08	7.94E-08	3.62E-08	3.18E-08	1.37E-09	3.30E-08	7.28E-09	1.19E-08	1.89E-08	3.32E-09	2.09E-09	7.78E-08
746	490386.72	3860335.12	1.18E-04	1.44E-04	1.26E-04	4.07E-08	1.23E-07	7.12E-08	8.72E-08	7.91E-08	3.61E-08	3.16E-08	1.36E-09	3.29E-08	7.25E-09	1.18E-08	1.88E-08	3.31E-09	2.09E-09	7.75E-08
747	490436.72	3860335.12	1.17E-04	1.43E-04	1.26E-04	4.06E-08	1.22E-07	7.09E-08	8.68E-08	7.87E-08	3.59E-08	3.15E-08	1.35E-09	3.27E-08	7.22E-09	1.18E-08	1.87E-08	3.30E-09	2.08E-09	7.72E-08
748	490486.72	3860335.12	1.16E-04	1.43E-04	1.25E-04	4.03E-08	1.22E-07	7.05E-08	8.64E-08	7.83E-08	3.57E-08	3.13E-08	1.35E-09	3.25E-08	7.18E-09	1.17E-08	1.86E-08	3.28E-09	2.07E-09	7.67E-08
749	490536.72	3860335.12	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.01E-08	8.59E-08	7.79E-08	3.55E-08	3.12E-08	1.34E-09	3.24E-08	7.14E-09	1.17E-08	1.85E-08	3.26E-09	2.05E-09	7.63E-08
750	490586.72	3860335.12	1.15E-04	1.41E-04	1.23E-04	3.98E-08	1.20E-07	6.96E-08	8.53E-08	7.73E-08	3.53E-08	3.09E-08	1.33E-09	3.21E-08	7.09E-09	1.16E-08	1.84E-08	3.24E-09	2.04E-09	7.58E-08
751	490636.72	3860335.12	1.14E-04	1.40E-04	1.23E-04	3.96E-08	1.20E-07	6.92E-08	8.48E-08	7.68E-08	3.51E-08	3.07E-08	1.32E-09	3.19E-08	7.05E-09	1.15E-08	1.83E-08	3.22E-09	2.03E-09	7.53E-08
752	490686.72	3860335.12	1.14E-04	1.39E-04	1.22E-04	3.93E-08	1.19E-07	6.88E-08	8.42E-08	7.63E-08	3.48E-08	3.05E-08	1.31E-09	3.17E-08	7.00E-09	1.14E-08	1.81E-08	3.20E-09	2.01E-09	7.48E-08
753	490736.72	3860335.12	1.13E-04	1.38E-04	1.21E-04	3.91E-08	1.18E-07	6.83E-08	8.37E-08	7.59E-08	3.46E-08	3.04E-08	1.31E-09	3.15E-08	6.96E-09	1.14E-08	1.80E-08	3.18E-09	2.00E-09	7.44E-08
754	490786.72	3860335.12	1.12E-04	1.37E-04	1.20E-04	3.89E-08	1.17E-07	6.80E-08	8.32E-08	7.55E-08	3.44E-08	3.02E-08	1.30E-09	3.14E-08	6.92E-09	1.13E-08	1.79E-08	3.16E-09	1.99E-09	7.40E-08
755	490086.72	3860385.12	1.15E-04	1.41E-04	1.24E-04	3.99E-08	1.20E-07	6.97E-08	8.54E-08	7.74E-08	3.53E-08	3.10E-08	1.33E-09	3.22E-08	7.10E-09	1.16E-08	1.84E-08	3.24E-09	2.04E-09	7.59E-08
756	490136.72	3860385.12	1.15E-04	1.41E-04	1.24E-04	4.00E-08	1.21E-07	6.99E-08	8.56E-08	7.76E-08	3.54E-08	3.10E-08	1.34E-09	3.23E-08	7.12E-09	1.16E-08	1.84E-08	3.25E-09	2.05E-09	7.61E-08
757	490186.72	3860385.12	1.15E-04	1.41E-04	1.24E-04	4.00E-08	1.21E-07	6.99E-08	8.56E-08	7.76E-08	3.54E-08	3.10E-08	1.34E-09	3.22E-08	7.12E-09	1.16E-08	1.84E-08	3.25E-09	2.05E-09	7.61E-08
758	490236.72	3860385.12	1.15E-04	1.41E-04	1.24E-04	4.00E-08	1.21E-07	6.99E-08	8.56E-08	7.76E-08	3.54E-08	3.11E-08	1.34E-09	3.23E-08	7.12E-09	1.16E-08	1.84E-08	3.25E-09	2.05E-09	7.61E-08
759	490286.72	3860385.12	1.15E-04	1.41E-04	1.24E-04	4.00E-08	1.21E-07	6.98E-08	8.55E-08	7.76E-08	3.54E-08	3.10E-08	1.33E-09	3.22E-08	7.11E-09	1.16E-08	1.84E-08	3.25E-09	2.05E-09	7.60E-08
760	490336.72	3860385.12	1.15E-04	1.41E-04	1.24E-04	3.99E-08	1.20E-07	6.97E-08	8.54E-08	7.74E-08	3.53E-08	3.10E-08	1.33E-09	3.22E-08	7.10E-09	1.16E-08	1.84E-08	3.24E-09	2.04E-09	7.59E-08
761	490386.72	3860385.12	1.15E-04	1.41E-04	1.23E-04	3.98E-08	1.20E-07	6.95E-08	8.52E-08	7.72E-08	3.52E-08	3.09E-08	1.33E-09	3.21E-08	7.08E-09	1.16E-08	1.83E-08	3.23E-09	2.04E-09	7.57E-08
762	490436.72	3860385.12	1.14E-04	1.40E-04	1.23E-04	3.96E-08	1.20E-07	6.93E-08	8.48E-08	7.69E-08	3.51E-08	3.08E-08	1.32E-09	3.20E-08	7.05E-09	1.15E-08	1.83E-08	3.22E-09	2.03E-09	7.54E-08
763	490486.72	3860385.12	1.14E-04	1.40E-04	1.22E-04	3.95E-08	1.19E-07	6.90E-08	8.45E-08	7.66E-08	3.50E-08	3.07E-08	1.32E-09	3.18E-08	7.03E-09	1.15E-08	1.82E-08	3.21E-09	2.02E-09	7.51E-08
764	490536.72	3860385.12	1.13E-04	1.39E-04	1.22E-04	3.93E-08	1.19E-07	6.87E-08	8.41E-08	7.62E-08	3.48E-08	3.05E-08	1.31E-09	3.17E-08	6.99E-09	1.14E-08	1.81E-08	3.19E-09	2.01E-09	7.47E-08
765	490586.72	3860385.12	1.13E-04	1.38E-04	1.21E-04	3.91E-08	1.18E-07	6.83E-08	8.36E-08	7.58E-08	3.46E-08	3.03E-08	1.30E-09	3.15E-08	6.95E-09	1.14E-08	1.80E-08	3.17E-09	2.00E-09	7.43E-08
766	490636.72	3860385.12	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.78E-08	8.31E-08	7.53E-08	3.44E-08	3.01E-08	1.30E-09	3.13E-08	6.91E-09	1.13E-08	1.79E-08	3.15E-09	1.99E-09	7.38E-08
767	490686.72	3860385.12	1.11E-04	1.36E-04	1.20E-04	3.86E-08	1.16E-07	6.74E-08	8.26E-08	7.49E-08	3.42E-08	3.00E-08	1.29E-09	3.11E-08	6.87E-09	1.12E-08	1.78E-08	3.14E-09	1.98E-09	7.34E-08
768	490736.72	3860385.12	1.11E-04	1.35E-04	1.19E-04	3.83E-08	1.16E-07	6.70E-08	8.20E-08	7.43E-08	3.39E-08	2.97E-08	1.28E-09	3.09E-08	6.82E-09	1.11E-08	1.77E-08	3.11E-09	1.96E-09	7.29E-08
769	490786.72	3860385.12	1.10E-04	1.35E-04	1.18E-04	3.81E-08	1.15E-07	6.65E-08	8.15E-08	7.39E-08	3.37E-08	2.96E-08	1.27E-09	3.07E-08	6.78E-09	1.11E-08	1.76E-08	3.09E-09	1.95E-09	7.24E-08
770	490136.72	3860435.12	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.79E-08	8.32E-08	7.54E-08	3.44E-08	3.02E-08	1.30E-09	3.13E-08	6.91E-09	1.13E-08	1.79E-08	3.16E-09	1.99E-09	7.39E-08
771	490186.72	3860435.12	1.12E-04	1.38E-04	1.21E-04	3.89E-08	1.17E-07	6.80E-08	8.33E-08	7.55E-08	3.45E-08	3.02E-08	1.30E-09	3.14E-08	6.93E-09	1.13E-08	1.79E-08	3.16E-09	1.99E-09	7.40E-08
772	490236.72	3860435.12	1.12E-04	1.38E-04	1.21E-04	3.89E-08	1.18E-07	6.81E-08	8.34E-08	7.56E-08	3.45E-08	3.02E-08	1.30E-09	3.14E-08	6.93E-09	1.13E-08	1.80E-08	3.16E-09	1.99E-09	7.41E-08
773	490286.72	3860435.12	1.12E-04	1.38E-04	1.21E-04	3.89E-08	1.18E-07	6.80E-08	8.33E-08	7.55E-08	3.45E-08	3.02E-08	1.30E-09	3.14E-08	6.93E-09	1.13E-08	1.79E-08	3.16E-09	1.99E-09	7.40E-08
774	490336.72	3860435.12	1.12E-04	1.37E-04	1.20E-04	3.89E-08	1.17E-07	6.79E-08	8.32E-08	7.54E-08	3.44E-08	3.02E-08	1.30E-09	3.14E-08	6.92E-09	1.13E-08	1.79E-08	3.16E-09	1.99E-09	7.39E-08
775	490386.72	3860435.12	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.78E-08	8.31E-08	7.53E-08	3.44E-08	3.01E-08	1.30E-09	3.13E-08	6.91E-09	1.13E-08	1.79E-08	3.15E-09	1.99E-09	7.38E-08
776	490436.72	3860435.12	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.77E-08	8.29E-08	7.51E-08	3.43E-08	3.01E-08	1.29E-09	3.12E-08	6.89E-09	1.13E-08	1.78E-08	3.15E-09	1.98E-09	7.36E-08
777	490486.72	3860435.12	1.11E-04	1.36E-04	1.20E-04	3.86E-08	1.17E-07	6.74E-08	8.26E-08	7.49E-08	3.42E-08	3.00E-08	1.29E-09	3.11E-08	6.87E-09	1.12E-08	1.78E-08	3.14E-09	1.98E-09	7.34E-08
778	490536.72	3860435.12	1.11E-04	1.36E-04	1.19E-04	3.84E-08	1.16E-07	6.72E-08	8.23E-08	7.46E-08	3.40E-08	2.98E-08	1.28E-09	3.10E-08	6.84E-09	1.12E-08	1.77E-08	3.12E-09	1.97E-09	7.31E-08
779	490586.72	3860435.12	1.10E-04	1.35E-04	1.19E-04	3.82E-08	1.15E-07	6.68E-08	8.19E-08	7.42E-08	3.39E-08	2.97E-08	1.28E-09	3.08E-08	6.81E-09	1.11E-08	1.76E-08	3.11E-09	1.96E-09	7.27E-08
780	490636.72	3860435.12	1.10E-04	1.34E-04	1.18E-04	3.80E-08	1.15E-07	6.65E-08	8.14E-08	7.38E-08	3.37E-08	2.95E-08	1.27E-09	3.07E-08	6.77E-09	1.11E-08	1.75E-08	3.09E-09	1.95E-09	7.23E-08
781	490686.72	3860435.12	1.09E-04	1.34E-04	1.17E-04	3.78E-08	1.14E-07	6.61E-08	8.09E-08	7.34E-08	3.35E-08	2.94E-08	1.26E-09	3.05E-08	6.73E-09	1.10E-08	1.74E-08	3.07E-09	1.94E-09	7.19E-08
782	490736.72	3860435.12	1.08E-04	1.33E-04	1.16E-04	3.76E-08	1.14E-07	6.57E-08	8.05E-08	7.30E-08	3.33E-08	2.92E-08	1.26E-09	3.03E-08	6.69E-09	1.09E-08	1.73E-08	3.06E-09	1.93E-09	7.15E-08
783	490786.72	3860435.12	1.08E-04	1.32E-04	1.16E-04	3.74E-08	1.13E-07	6.53E-08	8.00E-08	7.25E-08	3.31E-08	2.90E-08	1.25E-09	3.01E-08	6.65E-09	1.09E-08	1.72E-08	3.04E-09	1.91E-09	7.11E-08
784	490136.72	3860485.12	1.09E-04	1.34E-04	1.17E-04	3.78E-08	1.14E-07	6.61E-08	8.10E-08	7.34E-08	3.35E-08	2.94E-08	1.26E-09	3.05E-08	6.73E-09	1.10E-08	1.74E-08	3.07E-09	1.94E-09	7.19E-08
785	490186.72	3860485.12	1.09E-04	1.34E-04	1.17E-04	3.79E-08	1.14E-07	6.62E-08	8.11E-08	7.35E-08	3.35E-08	2.94E-08	1.26E-09	3.05E-08	6.74E-09	1.10E-08	1.75E-08	3.08E-09	1.94E-09	7.20E-08
786	490236.72	3860485.12	1.09E-04	1.34E-04	1.17E-04	3.79E-08	1.14E-07	6.62E-08	8.11E-08	7.35E-08	3.35E-08	2.94E-08	1.27E-09	3.06E-08	6.74E-09	1.10E-08	1.75E-08	3.08E-09	1.94E-09	7.21E-08

787	490286.72	3860485.12	1.09E-04	1.34E-04	1.17E-04	3.79E-08	1.14E-07	6.63E-08	8.12E-08	7.36E-08	3.36E-08	2.94E-08	1.27E-09	3.06E-08	6.75E-09	1.10E-08	1.75E-08	3.08E-09	1.94E-09	7.21E-08
788	490336.72	3860485.12	1.09E-04	1.34E-04	1.17E-04	3.79E-08	1.14E-07	6.62E-08	8.11E-08	7.35E-08	3.35E-08	2.94E-08	1.27E-09	3.06E-08	6.74E-09	1.10E-08	1.75E-08	3.08E-09	1.94E-09	7.21E-08
789	490386.72	3860485.12	1.09E-04	1.34E-04	1.17E-04	3.79E-08	1.14E-07	6.62E-08	8.11E-08	7.35E-08	3.35E-08	2.94E-08	1.26E-09	3.05E-08	6.74E-09	1.10E-08	1.75E-08	3.08E-09	1.94E-09	7.20E-08
790	490436.72	3860485.12	1.09E-04	1.34E-04	1.17E-04	3.78E-08	1.14E-07	6.61E-08	8.10E-08	7.34E-08	3.35E-08	2.94E-08	1.26E-09	3.05E-08	6.73E-09	1.10E-08	1.74E-08	3.07E-09	1.94E-09	7.20E-08
791	490486.72	3860485.12	1.09E-04	1.33E-04	1.17E-04	3.77E-08	1.14E-07	6.59E-08	8.08E-08	7.32E-08	3.34E-08	2.93E-08	1.26E-09	3.04E-08	6.71E-09	1.10E-08	1.74E-08	3.07E-09	1.93E-09	7.18E-08
792	490536.72	3860485.12	1.08E-04	1.33E-04	1.16E-04	3.76E-08	1.13E-07	6.57E-08	8.05E-08	7.29E-08	3.33E-08	2.92E-08	1.26E-09	3.03E-08	6.69E-09	1.09E-08	1.73E-08	3.05E-09	1.92E-09	7.15E-08
793	490586.72	3860485.12	1.08E-04	1.32E-04	1.16E-04	3.74E-08	1.13E-07	6.54E-08	8.01E-08	7.26E-08	3.31E-08	2.91E-08	1.25E-09	3.02E-08	6.66E-09	1.09E-08	1.73E-08	3.04E-09	1.92E-09	7.12E-08
794	490636.72	3860485.12	1.08E-04	1.32E-04	1.15E-04	3.73E-08	1.13E-07	6.51E-08	7.98E-08	7.23E-08	3.30E-08	2.89E-08	1.24E-09	3.01E-08	6.63E-09	1.08E-08	1.72E-08	3.03E-09	1.91E-09	7.09E-08
795	490686.72	3860485.12	1.07E-04	1.31E-04	1.15E-04	3.70E-08	1.12E-07	6.48E-08	7.93E-08	7.19E-08	3.28E-08	2.88E-08	1.24E-09	2.99E-08	6.59E-09	1.08E-08	1.71E-08	3.01E-09	1.90E-09	7.05E-08
796	490736.72	3860485.12	1.06E-04	1.30E-04	1.14E-04	3.69E-08	1.11E-07	6.44E-08	7.89E-08	7.15E-08	3.26E-08	2.86E-08	1.23E-09	2.97E-08	6.56E-09	1.07E-08	1.70E-08	2.99E-09	1.89E-09	7.01E-08
797	490786.72	3860485.12	1.06E-04	1.29E-04	1.14E-04	3.66E-08	1.11E-07	6.40E-08	7.84E-08	7.11E-08	3.24E-08	2.84E-08	1.22E-09	2.96E-08	6.52E-09	1.06E-08	1.69E-08	2.98E-09	1.88E-09	6.97E-08
798	490136.72	3860535.12	1.06E-04	1.30E-04	1.14E-04	3.68E-08	1.11E-07	6.44E-08	7.88E-08	7.15E-08	3.26E-08	2.86E-08	1.23E-09	2.97E-08	6.55E-09	1.07E-08	1.70E-08	2.99E-09	1.89E-09	7.00E-08
799	490186.72	3860535.12	1.07E-04	1.31E-04	1.15E-04	3.69E-08	1.12E-07	6.46E-08	7.91E-08	7.17E-08	3.27E-08	2.87E-08	1.23E-09	2.98E-08	6.58E-09	1.07E-08	1.70E-08	3.00E-09	1.89E-09	7.03E-08
800	490236.72	3860535.12	1.06E-04	1.30E-04	1.14E-04	3.69E-08	1.11E-07	6.45E-08	7.90E-08	7.16E-08	3.27E-08	2.86E-08	1.23E-09	2.98E-08	6.57E-09	1.07E-08	1.70E-08	3.00E-09	1.89E-09	7.02E-08
801	490286.72	3860535.12	1.06E-04	1.30E-04	1.14E-04	3.69E-08	1.11E-07	6.45E-08	7.90E-08	7.16E-08	3.27E-08	2.87E-08	1.23E-09	2.98E-08	6.57E-09	1.07E-08	1.70E-08	3.00E-09	1.89E-09	7.02E-08
802	490336.72	3860535.12	1.07E-04	1.30E-04	1.14E-04	3.69E-08	1.11E-07	6.45E-08	7.90E-08	7.17E-08	3.27E-08	2.87E-08	1.23E-09	2.98E-08	6.57E-09	1.07E-08	1.70E-08	3.00E-09	1.89E-09	7.02E-08
803	490386.72	3860535.12	1.07E-04	1.31E-04	1.14E-04	3.69E-08	1.12E-07	6.46E-08	7.91E-08	7.17E-08	3.27E-08	2.87E-08	1.23E-09	2.98E-08	6.58E-09	1.07E-08	1.70E-08	3.00E-09	1.89E-09	7.03E-08
804	490436.72	3860535.12	1.07E-04	1.31E-04	1.14E-04	3.69E-08	1.12E-07	6.46E-08	7.91E-08	7.17E-08	3.27E-08	2.87E-08	1.23E-09	2.98E-08	6.58E-09	1.07E-08	1.70E-08	3.00E-09	1.89E-09	7.03E-08
805	490486.72	3860535.12	1.06E-04	1.30E-04	1.14E-04	3.69E-08	1.11E-07	6.45E-08	7.90E-08	7.16E-08	3.27E-08	2.86E-08	1.23E-09	2.98E-08	6.57E-09	1.07E-08	1.70E-08	3.00E-09	1.89E-09	7.02E-08
806	490536.72	3860535.12	1.07E-04	1.30E-04	1.14E-04	3.69E-08	1.11E-07	6.45E-08	7.90E-08	7.16E-08	3.27E-08	2.87E-08	1.23E-09	2.98E-08	6.57E-09	1.07E-08	1.70E-08	3.00E-09	1.89E-09	7.02E-08
807	490586.72	3860535.12	1.06E-04	1.30E-04	1.14E-04	3.67E-08	1.11E-07	6.41E-08	7.85E-08	7.11E-08	3.25E-08	2.85E-08	1.22E-09	2.96E-08	6.52E-09	1.07E-08	1.69E-08	2.98E-09	1.88E-09	6.97E-08
808	490636.72	3860535.12	1.05E-04	1.29E-04	1.13E-04	3.65E-08	1.10E-07	6.38E-08	7.81E-08	7.08E-08	3.23E-08	2.83E-08	1.22E-09	2.94E-08	6.50E-09	1.06E-08	1.68E-08	2.97E-09	1.87E-09	6.94E-08
809	490686.72	3860535.12	1.05E-04	1.28E-04	1.13E-04	3.63E-08	1.10E-07	6.35E-08	7.78E-08	7.05E-08	3.22E-08	2.82E-08	1.21E-09	2.93E-08	6.47E-09	1.06E-08	1.68E-08	2.95E-09	1.86E-09	6.91E-08
810	490736.72	3860535.12	1.04E-04	1.28E-04	1.12E-04	3.61E-08	1.09E-07	6.32E-08	7.73E-08	7.01E-08	3.20E-08	2.81E-08	1.21E-09	2.91E-08	6.43E-09	1.05E-08	1.67E-08	2.94E-09	1.85E-09	6.87E-08
811	490786.72	3860535.12	1.04E-04	1.27E-04	1.11E-04	3.59E-08	1.09E-07	6.28E-08	7.70E-08	6.98E-08	3.18E-08	2.79E-08	1.20E-09	2.90E-08	6.40E-09	1.04E-08	1.66E-08	2.92E-09	1.84E-09	6.84E-08
812	490136.72	3860585.12	1.04E-04	1.27E-04	1.11E-04	3.59E-08	1.09E-07	6.28E-08	7.69E-08	6.97E-08	3.18E-08	2.79E-08	1.20E-09	2.90E-08	6.40E-09	1.04E-08	1.66E-08	2.92E-09	1.84E-09	6.84E-08
813	490186.72	3860585.12	1.03E-04	1.26E-04	1.11E-04	3.58E-08	1.08E-07	6.25E-08	7.66E-08	6.94E-08	3.17E-08	2.78E-08	1.19E-09	2.89E-08	6.37E-09	1.04E-08	1.65E-08	2.91E-09	1.83E-09	6.81E-08
814	490236.72	3860585.12	1.04E-04	1.27E-04	1.11E-04	3.59E-08	1.08E-07	6.27E-08	7.68E-08	6.96E-08	3.18E-08	2.79E-08	1.20E-09	2.89E-08	6.39E-09	1.04E-08	1.65E-08	2.92E-09	1.84E-09	6.83E-08
815	490286.72	3860585.12	1.04E-04	1.27E-04	1.11E-04	3.60E-08	1.09E-07	6.28E-08	7.70E-08	6.98E-08	3.18E-08	2.79E-08	1.20E-09	2.90E-08	6.40E-09	1.04E-08	1.66E-08	2.92E-09	1.84E-09	6.84E-08
816	490336.72	3860585.12	1.04E-04	1.27E-04	1.12E-04	3.60E-08	1.09E-07	6.29E-08	7.70E-08	6.98E-08	3.19E-08	2.79E-08	1.20E-09	2.90E-08	6.40E-09	1.05E-08	1.66E-08	2.92E-09	1.84E-09	6.84E-08
817	490386.72	3860585.12	1.04E-04	1.27E-04	1.12E-04	3.60E-08	1.09E-07	6.29E-08	7.70E-08	6.98E-08	3.19E-08	2.79E-08	1.20E-09	2.90E-08	6.40E-09	1.05E-08	1.66E-08	2.92E-09	1.84E-09	6.85E-08
818	490436.72	3860585.12	1.04E-04	1.28E-04	1.12E-04	3.61E-08	1.09E-07	6.31E-08	7.73E-08	7.01E-08	3.20E-08	2.80E-08	1.21E-09	2.91E-08	6.43E-09	1.05E-08	1.66E-08	2.93E-09	1.85E-09	6.87E-08
819	490486.72	3860585.12	1.04E-04	1.28E-04	1.12E-04	3.62E-08	1.09E-07	6.32E-08	7.75E-08	7.02E-08	3.20E-08	2.81E-08	1.21E-09	2.92E-08	6.44E-09	1.05E-08	1.67E-08	2.94E-09	1.85E-09	6.88E-08
820	490536.72	3860585.12	1.04E-04	1.28E-04	1.12E-04	3.61E-08	1.09E-07	6.31E-08	7.72E-08	7.00E-08	3.20E-08	2.80E-08	1.20E-09	2.91E-08	6.42E-09	1.05E-08	1.66E-08	2.93E-09	1.85E-09	6.86E-08
821	490586.72	3860585.12	1.03E-04	1.27E-04	1.11E-04	3.58E-08	1.08E-07	6.26E-08	7.67E-08	6.95E-08	3.17E-08	2.78E-08	1.20E-09	2.89E-08	6.37E-09	1.04E-08	1.65E-08	2.91E-09	1.83E-09	6.81E-08
822	490636.72	3860585.12	1.03E-04	1.26E-04	1.11E-04	3.57E-08	1.08E-07	6.24E-08	7.65E-08	6.93E-08	3.16E-08	2.77E-08	1.19E-09	2.88E-08	6.36E-09	1.04E-08	1.65E-08	2.90E-09	1.83E-09	6.79E-08
823	490686.72	3860585.12	1.03E-04	1.26E-04	1.10E-04	3.56E-08	1.07E-07	6.22E-08	7.62E-08	6.90E-08	3.15E-08	2.76E-08	1.19E-09	2.87E-08	6.33E-09	1.03E-08	1.64E-08	2.89E-09	1.82E-09	6.77E-08
824	490736.72	3860585.12	1.02E-04	1.25E-04	1.10E-04	3.54E-08	1.07E-07	6.19E-08	7.58E-08	6.88E-08	3.14E-08	2.75E-08	1.18E-09	2.86E-08	6.31E-09	1.03E-08	1.63E-08	2.88E-09	1.81E-09	6.74E-08
825	490786.72	3860585.12	1.02E-04	1.25E-04	1.09E-04	3.52E-08	1.06E-07	6.16E-08	7.54E-08	6.84E-08	3.12E-08	2.74E-08	1.18E-09	2.84E-08	6.27E-09	1.02E-08	1.62E-08	2.86E-09	1.80E-09	6.70E-08
826	490136.72	3860635.12	1.01E-04	1.24E-04	1.09E-04	3.52E-08	1.06E-07	6.15E-08	7.53E-08	6.82E-08	3.11E-08	2.73E-08	1.17E-09	2.84E-08	6.26E-09	1.02E-08	1.62E-08	2.86E-09	1.80E-09	6.69E-08
827	490186.72	3860635.12	1.01E-04	1.24E-04	1.09E-04	3.51E-08	1.06E-07	6.13E-08	7.51E-08	6.81E-08	3.11E-08	2.72E-08	1.17E-09	2.83E-08	6.24E-09	1.02E-08	1.62E-08	2.85E-09	1.80E-09	6.67E-08
828	490236.72	3860635.12	1.01E-04	1.24E-04	1.08E-04	3.50E-08	1.06E-07	6.11E-08	7.49E-08	6.79E-08	3.10E-08	2.72E-08	1.17E-09	2.82E-08	6.22E-09	1.02E-08	1.61E-08	2.84E-09	1.79E-09	6.65E-08
829	490286.72	3860635.12	1.01E-04	1.24E-04	1.08E-04	3.50E-08	1.06E-07	6.12E-08	7.49E-08	6.79E-08	3.10E-08	2.72E-08	1.17E-09	2.82E-08	6.23E-09	1.02E-08	1.61E-08	2.84E-09	1.79E-09	6.66E-08
830	490336.72	3860635.12	1.01E-04	1.24E-04	1.09E-04	3.51E-08	1.06E-07	6.13E-08	7.50E-08	6.80E-08	3.10E-08	2.72E-08	1.17E-09	2.83E-08	6.24E-09	1.02E-08	1.62E-08	2.85E-09	1.80E-09	6.67E-08
831	490386.72	3860635.12	1.01E-04	1.24E-04	1.09E-04	3.51E-08	1.06E-07	6.13E-08	7.51E-08	6.81E-08	3.11E-08	2.72E-08	1.17E-09	2.83E-08	6.25E-09	1.02E-08	1.62E-08	2.85E-09	1.80E-09	6.68E-08
832	490436.72	3860635.12	1.01E-04	1.24E-04	1.09E-04	3.51E-08	1.06E-07	6.14E-08	7.51E-08	6.81E-08	3.11E-08	2.73E-08	1.17E-09	2.83E-08	6.25E-09	1.02E-08	1.62E-08	2.85E-09	1.80E-09	6.68E-08
833	490486.72	3860635.12	1.01E-04	1.24E-04	1.09E-04	3.51E-08	1.06E-07	6.14E-08	7.52E-08	6.81E-08	3.11E-08	2.73E-08	1.17E-09	2.83E-08	6.25E-09	1.02E-08	1.62E-08	2.85E-09	1.80E-09	6.68E-08
834	490536.72	3860635.12	1.01E-04	1.24E-04	1.09E-04	3.51E-08	1.06E-07	6.14E-08	7.52E-08	6.82E-08	3.11E-08	2.73E-08	1.17E-09	2.84E-08	6.26E-09	1.02E-08	1.62E-08	2.86E-09	1.80E-09	6.69E-08
835	490586.72	3860635.12	1.01E-04	1.24E-04	1.09E-04	3.50E-08	1.06E-07	6.12E-08	7.50E-08	6.80E-08	3.10E-08	2.72E-08	1.17E-09	2.83E-08	6.24E-09	1.02E-08	1.62E-08	2.85E-09	1.79E-09	6.66E-08
836	490636.72	3860635.12	1.01E-04	1.24E-04	1.08E-04	3.50E-08	1.06E-07	6.11E-08	7.49E-08	6.79E-08	3.10E-08	2.72E-08	1.17E-09	2.82E-08	6.22E-09	1.02E-08	1.61E-08	2.84E-09	1.79E-09	6.65E-08
837	490686.72	3860635.12	1.01E-04	1.23E-04	1.08E-04	3.49E-08	1.05E-07	6.09E-08	7.46E-08	6.77E-08	3.09E-08	2.71E-08	1.16E-09	2.81E-08	6.21E-09	1.01E-08	1.61E-08	2.83E-09	1.79E-09	6.63E-08
838	490736.72	3860635.12	1.00E-04	1.23E-04	1.08E-04	3.47E-08	1.05E-07	6.07E-08	7.43E-08	6.73E-08	3.07E-08	2.69E-08	1.16E-09	2.80E-08	6.18E-09	1.01E-08	1.60E-08	2.82E-09	1.78E-09	6.60E-08
839	490786.72	3860635.12	9.97E-05	1.22E-04	1.07E-04	3.46E-08	1.04E-07	6.04E-08	7.40E-08	6.71E-08	3.06E-08	2.68E-08	1.15E-09	2.79E-08	6.15E-09	1.00E-08	1.59E-08	2.81E-09	1.77E-09	6.57E-08
840	490136.72	3860685.12	9.87E-05	1.21E-04	1.06E-04	3.42E-08	1.03E-07	5.98E-08	7.32E-08	6.64E-08	3.03E-08	2.66E-08	1.14E-09	2.76E-08	6.09E-09	9.94E-09	1.58E-08	2.78E-09	1.75E-09	6.51E-08
841	490186.72	3860685.12	9.93E-05	1.22E-04	1.07E-04	3.44E-08	1.04E-07	6.02E-08	7.37E-08	6.68E-08	3.05E-08	2.67E-08	1.15E-09	2.78E-08	6.13E-09	1.00E-08	1.59E-08	2.80E-09	1.76E-09	6.55E-08
842	490236.72	3860685.12	9.89E-05	1.21E-04	1.06E-04	3.43E-08	1.03E-07	5.99E-08	7.33E-08	6.65E-08	3.03E-08	2.66E-08	1.14E-09	2.76E-08	6.10E-09	9.96E-09	1.58E-08	2.78E-09	1.75E-09	6.52E-08
843	490286.72	3860685.12	9.83E-05	1.20E-04	1.06E-04	3.41E-08	1.03E-07	5.95E-08	7.29E-08	6.61E-08	3.02E-08	2.65E-08	1.14E-09	2.75E-08	6.06E-09	9.90E-09	1.57E-08	2.77E-09	1.74E-09	6.48E-08
844	490336.72	3860685.12	9.86E-05	1.21E-04	1.06E-04	3.42E-08	1.03E-07	5.97E-08	7.32E-08	6.63E-08	3.03E-08	2.65E-08	1.14E-09	2.76E-08	6.08E-09	9.93E-09	1.58E-08	2.78E-09	1.75E-09	6.50E-08
845	490386.72	3860685.12	9.87E-05	1.21E-04	1.06E-04	3.42E-08	1.03E-07	5.98E-08	7.33E-08	6.64E-08	3.03E-08	2.66E-08	1.14E-09	2.76E-08	6.09E-09	9.95E-09	1.58E-08	2.78E-09	1.75E-09	6.51E-08
846	490436.72	3860685.12	9.87E-05	1.21E-04	1.06E-04	3.42E-08	1.03E-07	5.98E-08	7.32E-08	6.64E-08	3.03E-08	2.66E-08	1.14E-09	2.76E-08	6.09E-09	9.94E-09	1.58E-08	2.78E-09	1.75E-09	6.51E-08
847	490486.72	3860685.12	9.87E-05	1.21E-04	1.06E-04	3.42E-08	1.03E-07	5.98E-08	7.32E-08	6.63E-08	3.03E-08	2.65E-08	1.14E-09	2.76E-08	6.09E-09	9.94E-09	1.58E-08	2.78E-09	1.75E-09	6.50E-08

848	490536.72	3860685.12	9.87E-05	1.21E-04	1.06E-04	3.42E-08	1.03E-07	5.98E-08	7.32E-08	6.64E-08	3.03E-08	2.66E-08	1.14E-09	2.76E-08	6.09E-09	9.94E-09	1.58E-08	2.78E-09	1.75E-09	6.51E-08
849	490586.72	3860685.12	9.87E-05	1.21E-04	1.06E-04	3.42E-08	1.03E-07	5.98E-08	7.32E-08	6.64E-08	3.03E-08	2.66E-08	1.14E-09	2.76E-08	6.09E-09	9.94E-09	1.58E-08	2.78E-09	1.75E-09	6.51E-08
850	490636.72	3860685.12	9.87E-05	1.21E-04	1.06E-04	3.42E-08	1.03E-07	5.98E-08	7.32E-08	6.64E-08	3.03E-08	2.65E-08	1.14E-09	2.76E-08	6.09E-09	9.94E-09	1.58E-08	2.78E-09	1.75E-09	6.50E-08
851	490686.72	3860685.12	9.85E-05	1.21E-04	1.06E-04	3.42E-08	1.03E-07	5.97E-08	7.31E-08	6.63E-08	3.02E-08	2.65E-08	1.14E-09	2.75E-08	6.08E-09	9.93E-09	1.57E-08	2.78E-09	1.75E-09	6.50E-08
852	490736.72	3860685.12	9.82E-05	1.20E-04	1.05E-04	3.40E-08	1.03E-07	5.95E-08	7.29E-08	6.61E-08	3.01E-08	2.64E-08	1.14E-09	2.75E-08	6.06E-09	9.89E-09	1.57E-08	2.77E-09	1.74E-09	6.48E-08
853	490786.72	3860685.12	9.80E-05	1.20E-04	1.05E-04	3.40E-08	1.03E-07	5.94E-08	7.27E-08	6.59E-08	3.01E-08	2.64E-08	1.13E-09	2.74E-08	6.05E-09	9.87E-09	1.57E-08	2.76E-09	1.74E-09	6.46E-08
854	490136.72	3860735.12	9.56E-05	1.17E-04	1.03E-04	3.31E-08	1.00E-07	5.79E-08	7.09E-08	6.43E-08	2.93E-08	2.57E-08	1.11E-09	2.67E-08	5.90E-09	9.63E-09	1.53E-08	2.69E-09	1.70E-09	6.30E-08
855	490186.72	3860735.12	9.56E-05	1.17E-04	1.03E-04	3.31E-08	1.00E-07	5.79E-08	7.09E-08	6.43E-08	2.93E-08	2.57E-08	1.11E-09	2.67E-08	5.90E-09	9.63E-09	1.53E-08	2.69E-09	1.70E-09	6.30E-08
856	490236.72	3860735.12	9.57E-05	1.17E-04	1.03E-04	3.32E-08	1.00E-07	5.80E-08	7.10E-08	6.44E-08	2.94E-08	2.58E-08	1.11E-09	2.68E-08	5.90E-09	9.64E-09	1.53E-08	2.70E-09	1.70E-09	6.31E-08
857	490286.72	3860735.12	9.59E-05	1.17E-04	1.03E-04	3.32E-08	1.00E-07	5.81E-08	7.11E-08	6.45E-08	2.94E-08	2.58E-08	1.11E-09	2.68E-08	5.91E-09	9.66E-09	1.53E-08	2.70E-09	1.70E-09	6.32E-08
858	490336.72	3860735.12	9.60E-05	1.18E-04	1.03E-04	3.33E-08	1.00E-07	5.81E-08	7.12E-08	6.46E-08	2.95E-08	2.58E-08	1.11E-09	2.68E-08	5.92E-09	9.67E-09	1.53E-08	2.70E-09	1.70E-09	6.33E-08
859	490386.72	3860735.12	9.62E-05	1.18E-04	1.03E-04	3.33E-08	1.01E-07	5.83E-08	7.14E-08	6.47E-08	2.95E-08	2.59E-08	1.11E-09	2.69E-08	5.93E-09	9.69E-09	1.54E-08	2.71E-09	1.71E-09	6.34E-08
860	490436.72	3860735.12	9.66E-05	1.18E-04	1.04E-04	3.35E-08	1.01E-07	5.85E-08	7.17E-08	6.50E-08	2.97E-08	2.60E-08	1.12E-09	2.70E-08	5.96E-09	9.73E-09	1.54E-08	2.72E-09	1.72E-09	6.37E-08
861	490486.72	3860735.12	9.65E-05	1.18E-04	1.04E-04	3.35E-08	1.01E-07	5.85E-08	7.16E-08	6.49E-08	2.96E-08	2.60E-08	1.12E-09	2.70E-08	5.95E-09	9.72E-09	1.54E-08	2.72E-09	1.71E-09	6.36E-08
862	490536.72	3860735.12	9.63E-05	1.18E-04	1.03E-04	3.34E-08	1.01E-07	5.83E-08	7.14E-08	6.47E-08	2.95E-08	2.59E-08	1.11E-09	2.69E-08	5.94E-09	9.70E-09	1.54E-08	2.71E-09	1.71E-09	6.35E-08
863	490586.72	3860735.12	9.62E-05	1.18E-04	1.03E-04	3.33E-08	1.01E-07	5.83E-08	7.14E-08	6.47E-08	2.95E-08	2.59E-08	1.11E-09	2.69E-08	5.94E-09	9.69E-09	1.54E-08	2.71E-09	1.71E-09	6.34E-08
864	490636.72	3860735.12	9.62E-05	1.18E-04	1.03E-04	3.33E-08	1.01E-07	5.83E-08	7.14E-08	6.47E-08	2.95E-08	2.59E-08	1.11E-09	2.69E-08	5.93E-09	9.69E-09	1.54E-08	2.71E-09	1.71E-09	6.34E-08
865	490686.72	3860735.12	9.63E-05	1.18E-04	1.03E-04	3.34E-08	1.01E-07	5.83E-08	7.14E-08	6.47E-08	2.95E-08	2.59E-08	1.11E-09	2.69E-08	5.94E-09	9.70E-09	1.54E-08	2.71E-09	1.71E-09	6.35E-08
866	490736.72	3860735.12	9.63E-05	1.18E-04	1.03E-04	3.34E-08	1.01E-07	5.83E-08	7.14E-08	6.47E-08	2.95E-08	2.59E-08	1.11E-09	2.69E-08	5.94E-09	9.70E-09	1.54E-08	2.71E-09	1.71E-09	6.35E-08
867	490136.72	3860785.12	9.29E-05	1.14E-04	9.98E-05	3.22E-08	9.72E-08	5.63E-08	6.89E-08	6.25E-08	2.85E-08	2.50E-08	1.08E-09	2.60E-08	5.73E-09	9.36E-09	1.48E-08	2.62E-09	1.65E-09	6.12E-08
868	490186.72	3860785.12	9.30E-05	1.14E-04	9.99E-05	3.22E-08	9.74E-08	5.64E-08	6.90E-08	6.26E-08	2.86E-08	2.50E-08	1.08E-09	2.60E-08	5.74E-09	9.37E-09	1.49E-08	2.62E-09	1.65E-09	6.13E-08
869	490236.72	3860785.12	9.32E-05	1.14E-04	1.00E-04	3.23E-08	9.75E-08	5.64E-08	6.91E-08	6.27E-08	2.86E-08	2.51E-08	1.08E-09	2.60E-08	5.75E-09	9.38E-09	1.49E-08	2.62E-09	1.65E-09	6.14E-08
870	490286.72	3860785.12	9.33E-05	1.14E-04	1.00E-04	3.23E-08	9.76E-08	5.65E-08	6.92E-08	6.28E-08	2.86E-08	2.51E-08	1.08E-09	2.61E-08	5.76E-09	9.40E-09	1.49E-08	2.63E-09	1.66E-09	6.15E-08
871	490336.72	3860785.12	9.34E-05	1.14E-04	1.00E-04	3.24E-08	9.77E-08	5.66E-08	6.93E-08	6.28E-08	2.87E-08	2.51E-08	1.08E-09	2.61E-08	5.76E-09	9.41E-09	1.49E-08	2.63E-09	1.66E-09	6.16E-08
872	490386.72	3860785.12	9.38E-05	1.15E-04	1.01E-04	3.25E-08	9.81E-08	5.68E-08	6.96E-08	6.31E-08	2.88E-08	2.52E-08	1.08E-09	2.62E-08	5.78E-09	9.44E-09	1.50E-08	2.64E-09	1.66E-09	6.18E-08
873	490436.72	3860785.12	9.39E-05	1.15E-04	1.01E-04	3.25E-08	9.82E-08	5.69E-08	6.96E-08	6.31E-08	2.88E-08	2.53E-08	1.09E-09	2.62E-08	5.79E-09	9.46E-09	1.50E-08	2.64E-09	1.67E-09	6.19E-08
874	490486.72	3860785.12	9.42E-05	1.15E-04	1.01E-04	3.26E-08	9.85E-08	5.70E-08	6.99E-08	6.33E-08	2.89E-08	2.53E-08	1.09E-09	2.63E-08	5.81E-09	9.48E-09	1.50E-08	2.65E-09	1.67E-09	6.21E-08
875	490536.72	3860785.12	9.41E-05	1.15E-04	1.01E-04	3.26E-08	9.85E-08	5.70E-08	6.98E-08	6.33E-08	2.89E-08	2.53E-08	1.09E-09	2.63E-08	5.80E-09	9.48E-09	1.50E-08	2.65E-09	1.67E-09	6.20E-08
876	490586.72	3860785.12	9.38E-05	1.15E-04	1.01E-04	3.25E-08	9.82E-08	5.68E-08	6.96E-08	6.31E-08	2.88E-08	2.53E-08	1.09E-09	2.62E-08	5.79E-09	9.45E-09	1.50E-08	2.64E-09	1.67E-09	6.19E-08
877	490636.72	3860785.12	9.38E-05	1.15E-04	1.01E-04	3.25E-08	9.82E-08	5.68E-08	6.96E-08	6.31E-08	2.88E-08	2.52E-08	1.09E-09	2.62E-08	5.79E-09	9.45E-09	1.50E-08	2.64E-09	1.67E-09	6.19E-08
878	490686.72	3860785.12	9.39E-05	1.15E-04	1.01E-04	3.25E-08	9.82E-08	5.69E-08	6.96E-08	6.31E-08	2.88E-08	2.53E-08	1.09E-09	2.62E-08	5.79E-09	9.46E-09	1.50E-08	2.64E-09	1.67E-09	6.19E-08
879	490736.72	3860785.12	9.40E-05	1.15E-04	1.01E-04	3.26E-08	9.83E-08	5.69E-08	6.97E-08	6.32E-08	2.88E-08	2.53E-08	1.09E-09	2.63E-08	5.80E-09	9.46E-09	1.50E-08	2.65E-09	1.67E-09	6.19E-08
880	490086.72	3860835.12	9.04E-05	1.11E-04	9.71E-05	3.13E-08	9.46E-08	5.48E-08	6.71E-08	6.08E-08	2.77E-08	2.43E-08	1.05E-09	2.53E-08	5.58E-09	9.11E-09	1.44E-08	2.55E-09	1.60E-09	5.96E-08
881	490136.72	3860835.12	9.07E-05	1.11E-04	9.74E-05	3.14E-08	9.49E-08	5.49E-08	6.73E-08	6.10E-08	2.78E-08	2.44E-08	1.05E-09	2.53E-08	5.59E-09	9.13E-09	1.45E-08	2.55E-09	1.61E-09	5.98E-08
882	490186.72	3860835.12	9.07E-05	1.11E-04	9.74E-05	3.14E-08	9.49E-08	5.49E-08	6.73E-08	6.10E-08	2.78E-08	2.44E-08	1.05E-09	2.54E-08	5.59E-09	9.14E-09	1.45E-08	2.55E-09	1.61E-09	5.98E-08
883	490236.72	3860835.12	9.08E-05	1.11E-04	9.75E-05	3.15E-08	9.50E-08	5.50E-08	6.74E-08	6.11E-08	2.79E-08	2.44E-08	1.05E-09	2.54E-08	5.60E-09	9.14E-09	1.45E-08	2.56E-09	1.61E-09	5.98E-08
884	490286.72	3860835.12	9.09E-05	1.11E-04	9.77E-05	3.15E-08	9.52E-08	5.51E-08	6.75E-08	6.12E-08	2.79E-08	2.45E-08	1.05E-09	2.54E-08	5.61E-09	9.16E-09	1.45E-08	2.56E-09	1.61E-09	6.00E-08
885	490336.72	3860835.12	9.10E-05	1.11E-04	9.78E-05	3.15E-08	9.53E-08	5.51E-08	6.75E-08	6.12E-08	2.79E-08	2.45E-08	1.05E-09	2.54E-08	5.61E-09	9.17E-09	1.45E-08	2.56E-09	1.62E-09	6.00E-08
886	490386.72	3860835.12	9.12E-05	1.12E-04	9.79E-05	3.16E-08	9.54E-08	5.52E-08	6.76E-08	6.13E-08	2.80E-08	2.45E-08	1.06E-09	2.55E-08	5.62E-09	9.18E-09	1.46E-08	2.57E-09	1.62E-09	6.01E-08
887	490436.72	3860835.12	9.14E-05	1.12E-04	9.82E-05	3.17E-08	9.57E-08	5.54E-08	6.78E-08	6.15E-08	2.81E-08	2.46E-08	1.06E-09	2.56E-08	5.64E-09	9.21E-09	1.46E-08	2.57E-09	1.62E-09	6.03E-08
888	490486.72	3860835.12	9.16E-05	1.12E-04	9.84E-05	3.18E-08	9.59E-08	5.55E-08	6.80E-08	6.16E-08	2.81E-08	2.47E-08	1.06E-09	2.56E-08	5.65E-09	9.23E-09	1.46E-08	2.58E-09	1.63E-09	6.04E-08
889	490536.72	3860835.12	9.17E-05	1.12E-04	9.85E-05	3.18E-08	9.60E-08	5.55E-08	6.80E-08	6.17E-08	2.81E-08	2.47E-08	1.06E-09	2.56E-08	5.66E-09	9.24E-09	1.47E-08	2.58E-09	1.63E-09	6.05E-08
890	490586.72	3860835.12	9.17E-05	1.12E-04	9.84E-05	3.18E-08	9.59E-08	5.55E-08	6.80E-08	6.17E-08	2.81E-08	2.47E-08	1.06E-09	2.56E-08	5.65E-09	9.23E-09	1.46E-08	2.58E-09	1.63E-09	6.04E-08
891	490636.72	3860835.12	9.16E-05	1.12E-04	9.84E-05	3.18E-08	9.59E-08	5.55E-08	6.80E-08	6.16E-08	2.81E-08	2.47E-08	1.06E-09	2.56E-08	5.65E-09	9.23E-09	1.46E-08	2.58E-09	1.63E-09	6.04E-08
892	490686.72	3860835.12	9.17E-05	1.12E-04	9.85E-05	3.18E-08	9.59E-08	5.55E-08	6.80E-08	6.17E-08	2.81E-08	2.47E-08	1.06E-09	2.56E-08	5.66E-09	9.24E-09	1.47E-08	2.58E-09	1.63E-09	6.04E-08
893	490736.72	3860835.12	9.18E-05	1.12E-04	9.86E-05	3.18E-08	9.61E-08	5.56E-08	6.81E-08	6.17E-08	2.82E-08	2.47E-08	1.06E-09	2.57E-08	5.66E-09	9.25E-09	1.47E-08	2.59E-09	1.63E-09	6.05E-08
894	490086.72	3860885.12	8.83E-05	1.08E-04	9.48E-05	3.06E-08	9.24E-08	5.35E-08	6.55E-08	5.94E-08	2.71E-08	2.38E-08	1.02E-09	2.47E-08	5.45E-09	8.90E-09	1.41E-08	2.49E-09	1.57E-09	5.82E-08
895	490136.72	3860885.12	8.84E-05	1.08E-04	9.50E-05	3.06E-08	9.25E-08	5.36E-08	6.56E-08	5.95E-08	2.71E-08	2.38E-08	1.02E-09	2.47E-08	5.45E-09	8.91E-09	1.41E-08	2.49E-09	1.57E-09	5.83E-08
896	490186.72	3860885.12	8.85E-05	1.08E-04	9.51E-05	3.07E-08	9.26E-08	5.36E-08	6.57E-08	5.95E-08	2.72E-08	2.38E-08	1.02E-09	2.47E-08	5.46E-09	8.92E-09	1.41E-08	2.49E-09	1.57E-09	5.84E-08
897	490236.72	3860885.12	8.86E-05	1.09E-04	9.52E-05	3.07E-08	9.27E-08	5.37E-08	6.57E-08	5.96E-08	2.72E-08	2.38E-08	1.03E-09	2.48E-08	5.47E-09	8.93E-09	1.42E-08	2.50E-09	1.57E-09	5.84E-08
898	490286.72	3860885.12	8.87E-05	1.09E-04	9.53E-05	3.07E-08	9.28E-08	5.37E-08	6.58E-08	5.97E-08	2.72E-08	2.39E-08	1.03E-09	2.48E-08	5.47E-09	8.93E-09	1.42E-08	2.50E-09	1.57E-09	5.85E-08
899	490336.72	3860885.12	8.88E-05	1.09E-04	9.53E-05	3.08E-08	9.29E-08	5.38E-08	6.59E-08	5.97E-08	2.72E-08	2.39E-08	1.03E-09	2.48E-08	5.48E-09	8.94E-09	1.42E-08	2.50E-09	1.58E-09	5.85E-08
900	490386.72	3860885.12	8.89E-05	1.09E-04	9.55E-05	3.08E-08	9.31E-08	5.39E-08	6.60E-08	5.98E-08	2.73E-08	2.39E-08	1.03E-09	2.49E-08	5.49E-09	8.96E-09	1.42E-08	2.50E-09	1.58E-09	5.86E-08
901	490436.72	3860885.12	8.92E-05	1.09E-04	9.58E-05	3.09E-08	9.33E-08	5.40E-08	6.62E-08	6.00E-08	2.74E-08	2.40E-08	1.03E-09	2.49E-08	5.50E-09	8.98E-09	1.42E-08	2.51E-09	1.58E-09	5.88E-08
902	490486.72	3860885.12	8.93E-05	1.09E-04	9.59E-05	3.10E-08	9.35E-08	5.41E-08	6.63E-08	6.01E-08	2.74E-08	2.40E-08	1.03E-09	2.50E-08	5.51E-09	9.00E-09	1.43E-08	2.52E-09	1.59E-09	5.89E-08
903	490536.72	3860885.12	8.94E-05	1.10E-04	9.60E-05	3.10E-08	9.36E-08	5.42E-08	6.64E-08	6.01E-08	2.74E-08	2.41E-08	1.04E-09	2.50E-08	5.52E-09	9.01E-09	1.43E-08	2.52E-09	1.59E-09	5.90E-08
904	490586.72	3860885.12	8.95E-05	1.10E-04	9.61E-05	3.10E-08	9.36E-08	5.42E-08	6.64E-08	6.02E-08	2.75E-08	2.41E-08	1.04E-09	2.50E-08	5.52E-09	9.01E-09	1.43E-08	2.52E-09	1.59E-09	5.90E-08
905	490636.72	3860885.12	8.95E-05	1.10E-04	9.61E-05	3.10E-08	9.36E-08	5.42E-08	6.64E-08	6.02E-08	2.75E-08	2.41E-08	1.04E-09	2.50E-08	5.52E-09	9.01E-09	1.43E-08	2.52E-09	1.59E-09	5.90E-08
906	490686.72	3860885.12	8.95E-05	1.10E-04	9.61E-05	3.10E-08	9.36E-08	5.42E-08	6.64E-08	6.02E-08	2.75E-08	2.41E-08	1.04E-09	2.50E-08	5.52E-09	9.02E-09	1.43E-08	2.52E-09	1.59E-09	5.90E-08
907	490736.72	3860885.12	8.95E-05	1.10E-04	9.62E-05	3.10E-08	9.37E-08	5.42E-08	6.64E-08	6.02E-08	2.75E-08	2.41E-08	1.04E-09	2.50E-08	5.52E-09	9.02E-09	1.43E-08	2.52E-09	1.59E-09	5.90E-08
908	490086.72	3860935.12	8.61E-05	1.06E-04	9.25E-05	2.99E-08	9.01E-08	5.22E-08	6.39E-08	5.79E-08	2.64E-08	2.32E-08	9.97E-10	2.41E-08	5.31E-09	8.68E-09	1.38E-08	2.43E-09	1.53E-09	5.68E-08

909	490136.72	3860935.12	8.61E-05	1.06E-04	9.25E-05	2.99E-08	9.01E-08	5.22E-08	6.39E-08	5.79E-08	2.64E-08	2.32E-08	9.97E-10	2.41E-08	5.31E-09	8.68E-09	1.38E-08	2.43E-09	1.53E-09	5.68E-08
910	490186.72	3860935.12	8.63E-05	1.06E-04	9.27E-05	2.99E-08	9.03E-08	5.23E-08	6.40E-08	5.80E-08	2.65E-08	2.32E-08	9.99E-10	2.41E-08	5.32E-09	8.69E-09	1.38E-08	2.43E-09	1.53E-09	5.69E-08
911	490236.72	3860935.12	8.65E-05	1.06E-04	9.28E-05	3.00E-08	9.05E-08	5.24E-08	6.41E-08	5.81E-08	2.65E-08	2.33E-08	1.00E-09	2.42E-08	5.33E-09	8.71E-09	1.38E-08	2.43E-09	1.53E-09	5.70E-08
912	490286.72	3860935.12	8.66E-05	1.06E-04	9.30E-05	3.00E-08	9.06E-08	5.25E-08	6.43E-08	5.83E-08	2.66E-08	2.33E-08	1.00E-09	2.42E-08	5.34E-09	8.72E-09	1.38E-08	2.44E-09	1.54E-09	5.71E-08
913	490336.72	3860935.12	8.66E-05	1.06E-04	9.30E-05	3.00E-08	9.07E-08	5.25E-08	6.43E-08	5.83E-08	2.66E-08	2.33E-08	1.00E-09	2.42E-08	5.34E-09	8.73E-09	1.38E-08	2.44E-09	1.54E-09	5.71E-08
914	490386.72	3860935.12	8.68E-05	1.06E-04	9.33E-05	3.01E-08	9.09E-08	5.26E-08	6.44E-08	5.84E-08	2.66E-08	2.34E-08	1.00E-09	2.43E-08	5.36E-09	8.75E-09	1.39E-08	2.45E-09	1.54E-09	5.72E-08
915	490436.72	3860935.12	8.70E-05	1.07E-04	9.35E-05	3.02E-08	9.11E-08	5.27E-08	6.46E-08	5.85E-08	2.67E-08	2.34E-08	1.01E-09	2.43E-08	5.37E-09	8.77E-09	1.39E-08	2.45E-09	1.54E-09	5.74E-08
916	490486.72	3860935.12	8.71E-05	1.07E-04	9.36E-05	3.02E-08	9.12E-08	5.28E-08	6.47E-08	5.86E-08	2.67E-08	2.34E-08	1.01E-09	2.44E-08	5.38E-09	8.78E-09	1.39E-08	2.45E-09	1.55E-09	5.74E-08
917	490536.72	3860935.12	8.73E-05	1.07E-04	9.37E-05	3.03E-08	9.13E-08	5.29E-08	6.48E-08	5.87E-08	2.68E-08	2.35E-08	1.01E-09	2.44E-08	5.38E-09	8.79E-09	1.39E-08	2.46E-09	1.55E-09	5.75E-08
918	490586.72	3860935.12	8.73E-05	1.07E-04	9.38E-05	3.03E-08	9.14E-08	5.29E-08	6.48E-08	5.87E-08	2.68E-08	2.35E-08	1.01E-09	2.44E-08	5.39E-09	8.80E-09	1.40E-08	2.46E-09	1.55E-09	5.76E-08
919	490636.72	3860935.12	8.74E-05	1.07E-04	9.38E-05	3.03E-08	9.14E-08	5.29E-08	6.48E-08	5.88E-08	2.68E-08	2.35E-08	1.01E-09	2.44E-08	5.39E-09	8.80E-09	1.40E-08	2.46E-09	1.55E-09	5.76E-08
920	490686.72	3860935.12	8.74E-05	1.07E-04	9.39E-05	3.03E-08	9.15E-08	5.30E-08	6.49E-08	5.88E-08	2.68E-08	2.35E-08	1.01E-09	2.44E-08	5.39E-09	8.81E-09	1.40E-08	2.46E-09	1.55E-09	5.76E-08
921	490736.72	3860935.12	8.75E-05	1.07E-04	9.39E-05	3.03E-08	9.15E-08	5.30E-08	6.49E-08	5.88E-08	2.68E-08	2.35E-08	1.01E-09	2.45E-08	5.40E-09	8.81E-09	1.40E-08	2.46E-09	1.55E-09	5.77E-08
922	490786.72	3860935.12	8.75E-05	1.07E-04	9.40E-05	3.03E-08	9.16E-08	5.30E-08	6.49E-08	5.88E-08	2.69E-08	2.35E-08	1.01E-09	2.45E-08	5.40E-09	8.81E-09	1.40E-08	2.46E-09	1.55E-09	5.77E-08
923	490836.72	3860935.12	8.76E-05	1.07E-04	9.41E-05	3.04E-08	9.17E-08	5.31E-08	6.50E-08	5.89E-08	2.69E-08	2.36E-08	1.01E-09	2.45E-08	5.41E-09	8.83E-09	1.40E-08	2.47E-09	1.56E-09	5.78E-08
924	490086.72	3860985.12	8.42E-05	1.03E-04	9.04E-05	2.92E-08	8.81E-08	5.10E-08	6.24E-08	5.66E-08	2.58E-08	2.27E-08	9.74E-10	2.35E-08	5.19E-09	8.48E-09	1.35E-08	2.37E-09	1.49E-09	5.55E-08
925	490136.72	3860985.12	8.43E-05	1.03E-04	9.05E-05	2.92E-08	8.82E-08	5.10E-08	6.25E-08	5.67E-08	2.59E-08	2.27E-08	9.75E-10	2.36E-08	5.20E-09	8.49E-09	1.35E-08	2.37E-09	1.50E-09	5.55E-08
926	490186.72	3860985.12	8.44E-05	1.03E-04	9.07E-05	2.93E-08	8.84E-08	5.11E-08	6.26E-08	5.68E-08	2.59E-08	2.27E-08	9.77E-10	2.36E-08	5.21E-09	8.51E-09	1.35E-08	2.38E-09	1.50E-09	5.57E-08
927	490236.72	3860985.12	8.44E-05	1.03E-04	9.07E-05	2.93E-08	8.84E-08	5.12E-08	6.26E-08	5.68E-08	2.59E-08	2.27E-08	9.77E-10	2.36E-08	5.21E-09	8.51E-09	1.35E-08	2.38E-09	1.50E-09	5.57E-08
928	490286.72	3860985.12	8.45E-05	1.04E-04	9.08E-05	2.93E-08	8.84E-08	5.12E-08	6.27E-08	5.68E-08	2.59E-08	2.27E-08	9.78E-10	2.36E-08	5.21E-09	8.51E-09	1.35E-08	2.38E-09	1.50E-09	5.57E-08
929	490336.72	3860985.12	8.46E-05	1.04E-04	9.09E-05	2.93E-08	8.86E-08	5.13E-08	6.28E-08	5.69E-08	2.60E-08	2.28E-08	9.79E-10	2.37E-08	5.22E-09	8.52E-09	1.35E-08	2.38E-09	1.50E-09	5.58E-08
930	490386.72	3860985.12	8.48E-05	1.04E-04	9.10E-05	2.94E-08	8.87E-08	5.14E-08	6.29E-08	5.70E-08	2.60E-08	2.28E-08	9.81E-10	2.37E-08	5.23E-09	8.54E-09	1.35E-08	2.39E-09	1.50E-09	5.59E-08
931	490436.72	3860985.12	8.50E-05	1.04E-04	9.13E-05	2.95E-08	8.90E-08	5.15E-08	6.31E-08	5.72E-08	2.61E-08	2.29E-08	9.84E-10	2.38E-08	5.25E-09	8.57E-09	1.36E-08	2.39E-09	1.51E-09	5.61E-08
932	490486.72	3860985.12	8.51E-05	1.04E-04	9.14E-05	2.95E-08	8.91E-08	5.16E-08	6.31E-08	5.72E-08	2.61E-08	2.29E-08	9.85E-10	2.38E-08	5.25E-09	8.57E-09	1.36E-08	2.40E-09	1.51E-09	5.61E-08
933	490536.72	3860985.12	8.52E-05	1.04E-04	9.15E-05	2.95E-08	8.91E-08	5.16E-08	6.32E-08	5.73E-08	2.61E-08	2.29E-08	9.86E-10	2.38E-08	5.25E-09	8.58E-09	1.36E-08	2.40E-09	1.51E-09	5.62E-08
934	490586.72	3860985.12	8.52E-05	1.04E-04	9.15E-05	2.95E-08	8.92E-08	5.16E-08	6.32E-08	5.73E-08	2.62E-08	2.29E-08	9.87E-10	2.38E-08	5.26E-09	8.59E-09	1.36E-08	2.40E-09	1.51E-09	5.62E-08
935	490636.72	3860985.12	8.54E-05	1.05E-04	9.17E-05	2.96E-08	8.93E-08	5.17E-08	6.33E-08	5.74E-08	2.62E-08	2.30E-08	9.88E-10	2.39E-08	5.27E-09	8.60E-09	1.36E-08	2.40E-09	1.52E-09	5.63E-08
936	490686.72	3860985.12	8.54E-05	1.05E-04	9.17E-05	2.96E-08	8.94E-08	5.17E-08	6.34E-08	5.74E-08	2.62E-08	2.30E-08	9.88E-10	2.39E-08	5.27E-09	8.60E-09	1.36E-08	2.41E-09	1.52E-09	5.63E-08
937	490736.72	3860985.12	8.54E-05	1.05E-04	9.18E-05	2.96E-08	8.94E-08	5.18E-08	6.34E-08	5.75E-08	2.62E-08	2.30E-08	9.89E-10	2.39E-08	5.27E-09	8.61E-09	1.37E-08	2.41E-09	1.52E-09	5.63E-08
938	490786.72	3860985.12	8.55E-05	1.05E-04	9.18E-05	2.96E-08	8.95E-08	5.18E-08	6.34E-08	5.75E-08	2.62E-08	2.30E-08	9.90E-10	2.39E-08	5.27E-09	8.61E-09	1.37E-08	2.41E-09	1.52E-09	5.64E-08
939	490836.72	3860985.12	8.56E-05	1.05E-04	9.20E-05	2.97E-08	8.96E-08	5.19E-08	6.35E-08	5.76E-08	2.63E-08	2.30E-08	9.91E-10	2.39E-08	5.28E-09	8.63E-09	1.37E-08	2.41E-09	1.52E-09	5.65E-08
940	490086.72	3861035.12	8.23E-05	1.01E-04	8.83E-05	2.85E-08	8.61E-08	4.98E-08	6.10E-08	5.53E-08	2.52E-08	2.21E-08	9.52E-10	2.30E-08	5.07E-09	8.29E-09	1.31E-08	2.32E-09	1.46E-09	5.42E-08
941	490136.72	3861035.12	8.24E-05	1.01E-04	8.85E-05	2.85E-08	8.62E-08	4.99E-08	6.11E-08	5.54E-08	2.53E-08	2.22E-08	9.53E-10	2.30E-08	5.08E-09	8.30E-09	1.32E-08	2.32E-09	1.46E-09	5.43E-08
942	490186.72	3861035.12	8.24E-05	1.01E-04	8.85E-05	2.86E-08	8.63E-08	4.99E-08	6.12E-08	5.55E-08	2.53E-08	2.22E-08	9.54E-10	2.30E-08	5.09E-09	8.31E-09	1.32E-08	2.32E-09	1.46E-09	5.44E-08
943	490236.72	3861035.12	8.26E-05	1.01E-04	8.87E-05	2.86E-08	8.64E-08	5.00E-08	6.13E-08	5.55E-08	2.53E-08	2.22E-08	9.56E-10	2.31E-08	5.09E-09	8.32E-09	1.32E-08	2.33E-09	1.47E-09	5.44E-08
944	490286.72	3861035.12	8.26E-05	1.01E-04	8.87E-05	2.86E-08	8.64E-08	5.00E-08	6.13E-08	5.56E-08	2.53E-08	2.22E-08	9.56E-10	2.31E-08	5.09E-09	8.32E-09	1.32E-08	2.33E-09	1.47E-09	5.45E-08
945	490336.72	3861035.12	8.26E-05	1.01E-04	8.88E-05	2.86E-08	8.65E-08	5.01E-08	6.13E-08	5.56E-08	2.54E-08	2.22E-08	9.56E-10	2.31E-08	5.10E-09	8.32E-09	1.32E-08	2.33E-09	1.47E-09	5.45E-08
946	490386.72	3861035.12	8.29E-05	1.01E-04	8.90E-05	2.87E-08	8.67E-08	5.02E-08	6.15E-08	5.57E-08	2.54E-08	2.23E-08	9.59E-10	2.32E-08	5.11E-09	8.35E-09	1.32E-08	2.33E-09	1.47E-09	5.46E-08
947	490436.72	3861035.12	8.31E-05	1.02E-04	8.92E-05	2.88E-08	8.69E-08	5.03E-08	6.16E-08	5.59E-08	2.55E-08	2.24E-08	9.62E-10	2.32E-08	5.12E-09	8.37E-09	1.33E-08	2.34E-09	1.47E-09	5.48E-08
948	490486.72	3861035.12	8.32E-05	1.02E-04	8.93E-05	2.88E-08	8.70E-08	5.04E-08	6.17E-08	5.59E-08	2.55E-08	2.24E-08	9.63E-10	2.33E-08	5.13E-09	8.38E-09	1.33E-08	2.34E-09	1.48E-09	5.48E-08
949	490536.72	3861035.12	8.33E-05	1.02E-04	8.94E-05	2.89E-08	8.71E-08	5.04E-08	6.18E-08	5.60E-08	2.55E-08	2.24E-08	9.63E-10	2.33E-08	5.14E-09	8.39E-09	1.33E-08	2.34E-09	1.48E-09	5.49E-08
950	490586.72	3861035.12	8.33E-05	1.02E-04	8.95E-05	2.89E-08	8.72E-08	5.05E-08	6.18E-08	5.60E-08	2.56E-08	2.24E-08	9.64E-10	2.33E-08	5.14E-09	8.39E-09	1.33E-08	2.35E-09	1.48E-09	5.49E-08
951	490636.72	3861035.12	8.34E-05	1.02E-04	8.95E-05	2.89E-08	8.72E-08	5.05E-08	6.18E-08	5.61E-08	2.56E-08	2.24E-08	9.65E-10	2.33E-08	5.14E-09	8.40E-09	1.33E-08	2.35E-09	1.48E-09	5.50E-08
952	490686.72	3861035.12	8.34E-05	1.02E-04	8.96E-05	2.89E-08	8.73E-08	5.05E-08	6.19E-08	5.61E-08	2.56E-08	2.24E-08	9.65E-10	2.33E-08	5.14E-09	8.40E-09	1.33E-08	2.35E-09	1.48E-09	5.50E-08
953	490736.72	3861035.12	8.35E-05	1.02E-04	8.96E-05	2.89E-08	8.73E-08	5.06E-08	6.19E-08	5.61E-08	2.56E-08	2.25E-08	9.66E-10	2.33E-08	5.15E-09	8.41E-09	1.33E-08	2.35E-09	1.48E-09	5.50E-08
954	490786.72	3861035.12	8.36E-05	1.02E-04	8.97E-05	2.90E-08	8.75E-08	5.06E-08	6.20E-08	5.62E-08	2.56E-08	2.25E-08	9.67E-10	2.34E-08	5.16E-09	8.42E-09	1.34E-08	2.35E-09	1.48E-09	5.51E-08
955	490836.72	3861035.12	8.37E-05	1.03E-04	8.99E-05	2.90E-08	8.76E-08	5.07E-08	6.21E-08	5.63E-08	2.57E-08	2.25E-08	9.69E-10	2.34E-08	5.16E-09	8.43E-09	1.34E-08	2.36E-09	1.49E-09	5.52E-08
956	490086.72	3861085.12	8.04E-05	9.85E-05	8.64E-05	2.79E-08	8.42E-08	4.87E-08	5.97E-08	5.41E-08	2.47E-08	2.16E-08	9.31E-10	2.25E-08	4.96E-09	8.10E-09	1.29E-08	2.27E-09	1.43E-09	5.30E-08
957	490136.72	3861085.12	8.06E-05	9.88E-05	8.66E-05	2.79E-08	8.44E-08	4.88E-08	5.98E-08	5.42E-08	2.47E-08	2.17E-08	9.33E-10	2.25E-08	4.97E-09	8.12E-09	1.29E-08	2.27E-09	1.43E-09	5.32E-08
958	490186.72	3861085.12	8.09E-05	9.90E-05	8.68E-05	2.80E-08	8.46E-08	4.90E-08	6.00E-08	5.44E-08	2.48E-08	2.18E-08	9.36E-10	2.26E-08	4.99E-09	8.14E-09	1.29E-08	2.28E-09	1.44E-09	5.33E-08
959	490236.72	3861085.12	8.08E-05	9.90E-05	8.68E-05	2.80E-08	8.46E-08	4.90E-08	6.00E-08	5.44E-08	2.48E-08	2.18E-08	9.36E-10	2.26E-08	4.99E-09	8.14E-09	1.29E-08	2.28E-09	1.43E-09	5.33E-08
960	490286.72	3861085.12	8.08E-05	9.90E-05	8.68E-05	2.80E-08	8.46E-08	4.90E-08	6.00E-08	5.44E-08	2.48E-08	2.18E-08	9.36E-10	2.26E-08	4.99E-09	8.14E-09	1.29E-08	2.28E-09	1.43E-09	5.33E-08
961	490336.72	3861085.12	8.09E-05	9.90E-05	8.69E-05	2.80E-08	8.46E-08	4.90E-08	6.00E-08	5.44E-08	2.48E-08	2.18E-08	9.36E-10	2.26E-08	4.99E-09	8.15E-09	1.29E-08	2.28E-09	1.44E-09	5.33E-08
962	490386.72	3861085.12	8.11E-05	9.93E-05	8.70E-05	2.81E-08	8.48E-08	4.91E-08	6.01E-08	5.45E-08	2.49E-08	2.18E-08	9.38E-10	2.27E-08	5.00E-09	8.16E-09	1.30E-08	2.28E-09	1.44E-09	5.34E-08
963	490436.72	3861085.12	8.12E-05	9.94E-05	8.72E-05	2.81E-08	8.49E-08	4.92E-08	6.02E-08	5.46E-08	2.49E-08	2.18E-08	9.39E-10	2.27E-08	5.01E-09	8.17E-09	1.30E-08	2.29E-09	1.44E-09	5.35E-08
964	490486.72	3861085.12	8.13E-05	9.95E-05	8.73E-05	2.82E-08	8.50E-08	4.92E-08	6.03E-08	5.46E-08	2.49E-08	2.19E-08	9.40E-10	2.27E-08	5.01E-09	8.19E-09	1.30E-08	2.29E-09	1.44E-09	5.36E-08
965	490536.72	3861085.12	8.14E-05	9.97E-05	8.75E-05	2.82E-08	8.52E-08	4.93E-08	6.04E-08	5.48E-08	2.50E-08	2.19E-08	9.42E-10	2.28E-08	5.02E-09	8.20E-09	1.30E-08	2.29E-09	1.45E-09	5.37E-08
966	490586.72	3861085.12	8.15E-05	9.98E-05	8.75E-05	2.82E-08	8.52E-08	4.93E-08	6.04E-08	5.48E-08	2.50E-08	2.19E-08	9.43E-10	2.28E-08	5.02E-09	8.21E-09	1.30E-08	2.29E-09	1.45E-09	5.37E-08
967	490636.72	3861085.12	8.14E-05	9.97E-05	8.74E-05	2.82E-08	8.52E-08	4.93E-08	6.04E-08	5.48E-08	2.50E-08	2.19E-08	9.42E-10	2.28E-08	5.02E-09	8.20E-09	1.30E-08	2.29E-09	1.45E-09	5.37E-08
968	490686.72	3861085.12	8.15E-05	9.98E-05	8.75E-05	2.82E-08	8.53E-08	4.94E-08	6.05E-08	5.48E-08	2.50E-08	2.19E-08	9.43E-10	2.28E-08	5.03E-09	8.21E-09	1.30E-08	2.30E-09	1.45E-09	5.37E-08
969	490736.72	3861085.12	8.16E-05	9.99E-05	8.76E-05	2.83E-08	8.54E-08	4.94E-08	6.05E-08	5.49E-08	2.50E-08	2.20E-08	9.44E-10	2.28E-08	5.03E-09	8.22E-09	1.30E-08	2.30E-09	1.45E-09	5.38E-08

970	490786.72	3861085.12	8.17E-05	1.00E-04	8.77E-05	2.83E-08	8.55E-08	4.95E-08	6.06E-08	5.49E-08	2.51E-08	2.20E-08	9.45E-10	2.28E-08	5.04E-09	8.23E-09	1.31E-08	2.30E-09	1.45E-09	5.39E-08
971	490836.72	3861085.12	8.18E-05	1.00E-04	8.78E-05	2.84E-08	8.56E-08	4.96E-08	6.07E-08	5.50E-08	2.51E-08	2.20E-08	9.47E-10	2.29E-08	5.05E-09	8.24E-09	1.31E-08	2.30E-09	1.45E-09	5.39E-08
972	490086.72	3861135.12	7.87E-05	9.64E-05	8.45E-05	2.73E-08	8.23E-08	4.77E-08	5.84E-08	5.29E-08	2.41E-08	2.12E-08	9.11E-10	2.20E-08	4.85E-09	7.93E-09	1.26E-08	2.22E-09	1.40E-09	5.19E-08
973	490136.72	3861135.12	7.88E-05	9.66E-05	8.47E-05	2.73E-08	8.25E-08	4.78E-08	5.85E-08	5.30E-08	2.42E-08	2.12E-08	9.12E-10	2.20E-08	4.86E-09	7.94E-09	1.26E-08	2.22E-09	1.40E-09	5.20E-08
974	490186.72	3861135.12	7.90E-05	9.68E-05	8.49E-05	2.74E-08	8.27E-08	4.79E-08	5.86E-08	5.31E-08	2.43E-08	2.13E-08	9.14E-10	2.21E-08	4.87E-09	7.96E-09	1.26E-08	2.23E-09	1.40E-09	5.21E-08
975	490236.72	3861135.12	7.91E-05	9.69E-05	8.50E-05	2.74E-08	8.28E-08	4.79E-08	5.87E-08	5.32E-08	2.43E-08	2.13E-08	9.16E-10	2.21E-08	4.88E-09	7.97E-09	1.26E-08	2.23E-09	1.40E-09	5.22E-08
976	490286.72	3861135.12	7.92E-05	9.70E-05	8.50E-05	2.74E-08	8.29E-08	4.80E-08	5.88E-08	5.33E-08	2.43E-08	2.13E-08	9.16E-10	2.21E-08	4.88E-09	7.98E-09	1.27E-08	2.23E-09	1.41E-09	5.22E-08
977	490336.72	3861135.12	7.92E-05	9.70E-05	8.51E-05	2.75E-08	8.29E-08	4.80E-08	5.88E-08	5.33E-08	2.43E-08	2.13E-08	9.17E-10	2.21E-08	4.89E-09	7.98E-09	1.27E-08	2.23E-09	1.41E-09	5.22E-08
978	490386.72	3861135.12	7.93E-05	9.71E-05	8.52E-05	2.75E-08	8.30E-08	4.80E-08	5.88E-08	5.33E-08	2.43E-08	2.13E-08	9.18E-10	2.22E-08	4.89E-09	7.99E-09	1.27E-08	2.23E-09	1.41E-09	5.23E-08
979	490436.72	3861135.12	7.94E-05	9.72E-05	8.53E-05	2.75E-08	8.31E-08	4.81E-08	5.89E-08	5.34E-08	2.44E-08	2.14E-08	9.19E-10	2.22E-08	4.90E-09	8.00E-09	1.27E-08	2.24E-09	1.41E-09	5.23E-08
980	490486.72	3861135.12	7.95E-05	9.74E-05	8.54E-05	2.75E-08	8.32E-08	4.81E-08	5.90E-08	5.35E-08	2.44E-08	2.14E-08	9.20E-10	2.22E-08	4.90E-09	8.01E-09	1.27E-08	2.24E-09	1.41E-09	5.24E-08
981	490536.72	3861135.12	7.96E-05	9.75E-05	8.55E-05	2.76E-08	8.33E-08	4.82E-08	5.90E-08	5.35E-08	2.44E-08	2.14E-08	9.21E-10	2.22E-08	4.91E-09	8.02E-09	1.27E-08	2.24E-09	1.41E-09	5.25E-08
982	490586.72	3861135.12	7.96E-05	9.75E-05	8.55E-05	2.76E-08	8.33E-08	4.82E-08	5.91E-08	5.36E-08	2.44E-08	2.14E-08	9.22E-10	2.23E-08	4.91E-09	8.02E-09	1.27E-08	2.24E-09	1.41E-09	5.25E-08
983	490636.72	3861135.12	7.96E-05	9.75E-05	8.55E-05	2.76E-08	8.33E-08	4.82E-08	5.91E-08	5.36E-08	2.44E-08	2.14E-08	9.22E-10	2.23E-08	4.91E-09	8.02E-09	1.27E-08	2.24E-09	1.41E-09	5.25E-08
984	490686.72	3861135.12	7.97E-05	9.76E-05	8.56E-05	2.76E-08	8.34E-08	4.83E-08	5.91E-08	5.36E-08	2.45E-08	2.14E-08	9.22E-10	2.23E-08	4.92E-09	8.03E-09	1.27E-08	2.24E-09	1.41E-09	5.25E-08
985	490736.72	3861135.12	7.98E-05	9.78E-05	8.57E-05	2.77E-08	8.35E-08	4.84E-08	5.92E-08	5.37E-08	2.45E-08	2.15E-08	9.24E-10	2.23E-08	4.92E-09	8.04E-09	1.28E-08	2.25E-09	1.42E-09	5.26E-08
986	490786.72	3861135.12	7.99E-05	9.79E-05	8.58E-05	2.77E-08	8.36E-08	4.84E-08	5.93E-08	5.38E-08	2.45E-08	2.15E-08	9.25E-10	2.23E-08	4.93E-09	8.05E-09	1.28E-08	2.25E-09	1.42E-09	5.27E-08
987	490836.72	3861135.12	8.00E-05	9.80E-05	8.59E-05	2.77E-08	8.37E-08	4.85E-08	5.93E-08	5.38E-08	2.45E-08	2.15E-08	9.26E-10	2.24E-08	4.93E-09	8.06E-09	1.28E-08	2.25E-09	1.42E-09	5.27E-08
988	490086.72	3861185.12	7.70E-05	9.43E-05	8.27E-05	2.67E-08	8.06E-08	4.66E-08	5.71E-08	5.18E-08	2.36E-08	2.07E-08	8.91E-10	2.15E-08	4.75E-09	7.75E-09	1.23E-08	2.17E-09	1.37E-09	5.08E-08
989	490136.72	3861185.12	7.70E-05	9.43E-05	8.27E-05	2.67E-08	8.06E-08	4.66E-08	5.71E-08	5.18E-08	2.36E-08	2.07E-08	8.91E-10	2.15E-08	4.75E-09	7.76E-09	1.23E-08	2.17E-09	1.37E-09	5.08E-08
990	490186.72	3861185.12	7.72E-05	9.45E-05	8.29E-05	2.67E-08	8.07E-08	4.67E-08	5.72E-08	5.19E-08	2.37E-08	2.08E-08	8.93E-10	2.16E-08	4.76E-09	7.77E-09	1.23E-08	2.17E-09	1.37E-09	5.09E-08
991	490236.72	3861185.12	7.73E-05	9.47E-05	8.30E-05	2.68E-08	8.09E-08	4.68E-08	5.73E-08	5.20E-08	2.37E-08	2.08E-08	8.94E-10	2.16E-08	4.77E-09	7.79E-09	1.24E-08	2.18E-09	1.37E-09	5.10E-08
992	490286.72	3861185.12	7.75E-05	9.49E-05	8.32E-05	2.69E-08	8.11E-08	4.69E-08	5.75E-08	5.21E-08	2.38E-08	2.09E-08	8.97E-10	2.17E-08	4.78E-09	7.81E-09	1.24E-08	2.18E-09	1.38E-09	5.11E-08
993	490336.72	3861185.12	7.74E-05	9.48E-05	8.31E-05	2.68E-08	8.10E-08	4.69E-08	5.74E-08	5.20E-08	2.37E-08	2.08E-08	8.96E-10	2.16E-08	4.77E-09	7.79E-09	1.24E-08	2.18E-09	1.37E-09	5.10E-08
994	490386.72	3861185.12	7.75E-05	9.49E-05	8.32E-05	2.69E-08	8.11E-08	4.69E-08	5.75E-08	5.21E-08	2.38E-08	2.09E-08	8.97E-10	2.17E-08	4.78E-09	7.81E-09	1.24E-08	2.18E-09	1.38E-09	5.11E-08
995	490436.72	3861185.12	7.77E-05	9.51E-05	8.34E-05	2.69E-08	8.13E-08	4.70E-08	5.76E-08	5.22E-08	2.38E-08	2.09E-08	8.99E-10	2.17E-08	4.79E-09	7.82E-09	1.24E-08	2.19E-09	1.38E-09	5.12E-08
996	490486.72	3861185.12	7.77E-05	9.52E-05	8.35E-05	2.69E-08	8.13E-08	4.71E-08	5.77E-08	5.23E-08	2.39E-08	2.09E-08	9.00E-10	2.17E-08	4.79E-09	7.83E-09	1.24E-08	2.19E-09	1.38E-09	5.12E-08
997	490536.72	3861185.12	7.80E-05	9.55E-05	8.37E-05	2.70E-08	8.16E-08	4.72E-08	5.78E-08	5.24E-08	2.39E-08	2.10E-08	9.02E-10	2.18E-08	4.81E-09	7.85E-09	1.25E-08	2.20E-09	1.38E-09	5.14E-08
998	490586.72	3861185.12	7.80E-05	9.55E-05	8.37E-05	2.70E-08	8.16E-08	4.72E-08	5.79E-08	5.24E-08	2.39E-08	2.10E-08	9.02E-10	2.18E-08	4.81E-09	7.85E-09	1.25E-08	2.20E-09	1.38E-09	5.14E-08
999	490636.72	3861185.12	7.79E-05	9.54E-05	8.36E-05	2.70E-08	8.15E-08	4.72E-08	5.78E-08	5.24E-08	2.39E-08	2.10E-08	9.01E-10	2.18E-08	4.80E-09	7.85E-09	1.24E-08	2.19E-09	1.38E-09	5.13E-08
1000	490686.72	3861185.12	7.79E-05	9.54E-05	8.37E-05	2.70E-08	8.15E-08	4.72E-08	5.78E-08	5.24E-08	2.39E-08	2.10E-08	9.02E-10	2.18E-08	4.81E-09	7.85E-09	1.25E-08	2.19E-09	1.38E-09	5.14E-08
1001	490736.72	3861185.12	7.81E-05	9.57E-05	8.39E-05	2.71E-08	8.17E-08	4.73E-08	5.79E-08	5.25E-08	2.40E-08	2.10E-08	9.04E-10	2.18E-08	4.82E-09	7.87E-09	1.25E-08	2.20E-09	1.39E-09	5.15E-08
1002	490786.72	3861185.12	7.82E-05	9.58E-05	8.40E-05	2.71E-08	8.19E-08	4.74E-08	5.80E-08	5.26E-08	2.40E-08	2.10E-08	9.05E-10	2.19E-08	4.83E-09	7.88E-09	1.25E-08	2.20E-09	1.39E-09	5.16E-08
1003	490836.72	3861185.12	7.83E-05	9.59E-05	8.41E-05	2.71E-08	8.19E-08	4.74E-08	5.81E-08	5.27E-08	2.40E-08	2.11E-08	9.06E-10	2.19E-08	4.83E-09	7.89E-09	1.25E-08	2.21E-09	1.39E-09	5.16E-08
1004	490086.72	3861235.12	7.53E-05	9.22E-05	8.09E-05	2.61E-08	7.88E-08	4.56E-08	5.59E-08	5.07E-08	2.31E-08	2.03E-08	8.72E-10	2.11E-08	4.65E-09	7.59E-09	1.20E-08	2.12E-09	1.34E-09	4.96E-08
1005	490136.72	3861235.12	7.54E-05	9.23E-05	8.10E-05	2.61E-08	7.89E-08	4.57E-08	5.59E-08	5.07E-08	2.31E-08	2.03E-08	8.72E-10	2.11E-08	4.65E-09	7.59E-09	1.20E-08	2.12E-09	1.34E-09	4.97E-08
1006	490186.72	3861235.12	7.55E-05	9.25E-05	8.11E-05	2.62E-08	7.90E-08	4.57E-08	5.60E-08	5.08E-08	2.32E-08	2.03E-08	8.74E-10	2.11E-08	4.66E-09	7.61E-09	1.21E-08	2.13E-09	1.34E-09	4.98E-08
1007	490236.72	3861235.12	7.56E-05	9.25E-05	8.11E-05	2.62E-08	7.91E-08	4.58E-08	5.61E-08	5.08E-08	2.32E-08	2.03E-08	8.74E-10	2.11E-08	4.66E-09	7.61E-09	1.21E-08	2.13E-09	1.34E-09	4.98E-08
1008	490386.72	3861235.12	7.58E-05	9.28E-05	8.14E-05	2.63E-08	7.93E-08	4.59E-08	5.62E-08	5.09E-08	2.32E-08	2.04E-08	8.77E-10	2.12E-08	4.67E-09	7.63E-09	1.21E-08	2.13E-09	1.34E-09	4.99E-08
1009	490436.72	3861235.12	7.58E-05	9.28E-05	8.14E-05	2.63E-08	7.93E-08	4.59E-08	5.62E-08	5.10E-08	2.33E-08	2.04E-08	8.77E-10	2.12E-08	4.68E-09	7.63E-09	1.21E-08	2.13E-09	1.35E-09	5.00E-08
1010	490486.72	3861235.12	7.59E-05	9.29E-05	8.15E-05	2.63E-08	7.94E-08	4.60E-08	5.63E-08	5.10E-08	2.33E-08	2.04E-08	8.78E-10	2.12E-08	4.68E-09	7.64E-09	1.21E-08	2.14E-09	1.35E-09	5.00E-08
1011	490536.72	3861235.12	7.62E-05	9.34E-05	8.19E-05	2.64E-08	7.98E-08	4.62E-08	5.65E-08	5.13E-08	2.34E-08	2.05E-08	8.82E-10	2.13E-08	4.70E-09	7.68E-09	1.22E-08	2.15E-09	1.35E-09	5.02E-08
1012	490586.72	3861235.12	7.64E-05	9.36E-05	8.21E-05	2.65E-08	8.00E-08	4.63E-08	5.67E-08	5.14E-08	2.35E-08	2.06E-08	8.85E-10	2.14E-08	4.72E-09	7.70E-09	1.22E-08	2.15E-09	1.36E-09	5.04E-08
1013	490636.72	3861235.12	7.62E-05	9.33E-05	8.18E-05	2.64E-08	7.97E-08	4.62E-08	5.65E-08	5.12E-08	2.34E-08	2.05E-08	8.82E-10	2.13E-08	4.70E-09	7.67E-09	1.22E-08	2.15E-09	1.35E-09	5.02E-08
1014	490686.72	3861235.12	7.63E-05	9.34E-05	8.19E-05	2.64E-08	7.98E-08	4.62E-08	5.66E-08	5.13E-08	2.34E-08	2.05E-08	8.83E-10	2.13E-08	4.70E-09	7.68E-09	1.22E-08	2.15E-09	1.35E-09	5.03E-08
1015	490736.72	3861235.12	7.64E-05	9.36E-05	8.21E-05	2.65E-08	8.00E-08	4.63E-08	5.67E-08	5.14E-08	2.35E-08	2.06E-08	8.85E-10	2.14E-08	4.71E-09	7.70E-09	1.22E-08	2.15E-09	1.36E-09	5.04E-08
1016	490786.72	3861235.12	7.66E-05	9.38E-05	8.23E-05	2.65E-08	8.01E-08	4.64E-08	5.68E-08	5.15E-08	2.35E-08	2.06E-08	8.86E-10	2.14E-08	4.72E-09	7.72E-09	1.22E-08	2.16E-09	1.36E-09	5.05E-08
1017	490836.72	3861235.12	7.67E-05	9.39E-05	8.24E-05	2.66E-08	8.03E-08	4.65E-08	5.69E-08	5.16E-08	2.35E-08	2.06E-08	8.88E-10	2.14E-08	4.73E-09	7.73E-09	1.23E-08	2.16E-09	1.36E-09	5.06E-08
1018	490086.72	3861285.12	7.38E-05	9.04E-05	7.93E-05	2.56E-08	7.73E-08	4.47E-08	5.48E-08	4.97E-08	2.27E-08	1.99E-08	8.54E-10	2.06E-08	4.55E-09	7.44E-09	1.18E-08	2.08E-09	1.31E-09	4.87E-08
1019	490136.72	3861285.12	7.40E-05	9.07E-05	7.95E-05	2.57E-08	7.75E-08	4.48E-08	5.49E-08	4.98E-08	2.27E-08	1.99E-08	8.57E-10	2.07E-08	4.57E-09	7.46E-09	1.18E-08	2.09E-09	1.31E-09	4.88E-08
1020	490186.72	3861285.12	7.40E-05	9.06E-05	7.95E-05	2.56E-08	7.74E-08	4.48E-08	5.49E-08	4.98E-08	2.27E-08	1.99E-08	8.56E-10	2.07E-08	4.56E-09	7.45E-09	1.18E-08	2.08E-09	1.31E-09	4.88E-08
1021	490236.72	3861285.12	7.40E-05	9.07E-05	7.95E-05	2.57E-08	7.75E-08	4.49E-08	5.49E-08	4.98E-08	2.27E-08	1.99E-08	8.57E-10	2.07E-08	4.57E-09	7.46E-09	1.18E-08	2.09E-09	1.31E-09	4.88E-08
1022	490386.72	3861285.12	7.42E-05	9.09E-05	7.97E-05	2.57E-08	7.76E-08	4.49E-08	5.50E-08	4.99E-08	2.28E-08	2.00E-08	8.59E-10	2.07E-08	4.58E-09	7.47E-09	1.19E-08	2.09E-09	1.32E-09	4.89E-08
1023	490436.72	3861285.12	7.43E-05	9.10E-05	7.98E-05	2.58E-08	7.78E-08	4.50E-08	5.51E-08	5.00E-08	2.28E-08	2.00E-08	8.60E-10	2.08E-08	4.58E-09	7.49E-09	1.19E-08	2.09E-09	1.32E-09	4.90E-08
1024	490486.72	3861285.12	7.43E-05	9.10E-05	7.98E-05	2.58E-08	7.78E-08	4.50E-08	5.51E-08	5.00E-08	2.28E-08	2.00E-08	8.60E-10	2.08E-08	4.58E-09	7.49E-09	1.19E-08	2.09E-09	1.32E-09	4.90E-08
1025	490536.72	3861285.12	7.44E-05	9.12E-05	7.99E-05	2.58E-08	7.79E-08	4.51E-08	5.52E-08	5.01E-08	2.28E-08	2.00E-08	8.61E-10	2.08E-08	4.59E-09	7.50E-09	1.19E-08	2.10E-09	1.32E-09	4.91E-08
1026	490586.72	3861285.12	7.46E-05	9.13E-05	8.01E-05	2.58E-08	7.80E-08	4.52E-08	5.53E-08	5.02E-08	2.29E-08	2.01E-08	8.63E-10	2.08E-08	4.60E-09	7.51E-09	1.19E-08	2.10E-09	1.32E-09	4.92E-08
1027	490636.72	3861285.12	7.45E-05	9.13E-05	8.00E-05	2.58E-08	7.80E-08	4.51E-08	5.53E-08	5.01E-08	2.29E-08	2.00E-08	8.62E-10	2.08E-08	4.60E-09	7.51E-09	1.19E-08	2.10E-09	1.32E-09	4.91E-08
1028	490686.72	3861285.12	7.46E-05	9.14E-05	8.01E-05	2.59E-08	7.81E-08	4.52E-08	5.53E-08	5.02E-08	2.29E-08	2.01E-08	8.63E-10	2.09E-08	4.60E-09	7.51E-09	1.19E-08	2.10E-09	1.32E-09	4.92E-08
1029	490736.72	3861285.12	7.49E-05	9.17E-05	8.04E-05	2.59E-08	7.83E-08	4.53E-08	5.55E-08	5.03E-08	2.30E-08	2.01E-08	8.66E-10	2.09E-08	4.62E-09	7.54E-09	1.20E-08	2.11E-09	1.33E-09	4.93E-08
1030	490786.72	3861285.12	7.49E-05	9.18E-05	8.05E-05	2.60E-08	7.84E-08	4.54E-08	5.56E-08	5.04E-08	2.30E-08	2.02E-08	8.67E-10	2.09E-08	4.62E-09	7.55E-09	1.20E-08	2.11E-09	1.33E-09	4.94E-08

1031	490836.72	3861285.12	7.50E-05	9.18E-05	8.05E-05	2.60E-08	7.84E-08	4.54E-08	5.56E-08	5.04E-08	2.30E-08	2.02E-08	8.68E-10	2.10E-08	4.62E-09	7.55E-09	1.20E-08	2.11E-09	1.33E-09	4.94E-08
1032	490061.24	3859716.13	1.69E-04	2.07E-04	1.82E-04	5.86E-08	1.77E-07	1.02E-07	1.25E-07	1.14E-07	5.19E-08	4.55E-08	1.96E-09	4.73E-08	1.04E-08	1.70E-08	2.70E-08	4.76E-09	3.00E-09	1.11E-07
1033	490111.24	3859716.13	1.68E-04	2.06E-04	1.81E-04	5.83E-08	1.76E-07	1.02E-07	1.25E-07	1.13E-07	5.17E-08	4.53E-08	1.95E-09	4.71E-08	1.04E-08	1.70E-08	2.69E-08	4.74E-09	2.99E-09	1.11E-07
1034	490161.24	3859716.13	1.68E-04	2.05E-04	1.80E-04	5.81E-08	1.75E-07	1.02E-07	1.24E-07	1.13E-07	5.15E-08	4.51E-08	1.94E-09	4.69E-08	1.03E-08	1.69E-08	2.68E-08	4.72E-09	2.98E-09	1.11E-07
1035	490211.24	3859716.13	1.67E-04	2.05E-04	1.79E-04	5.79E-08	1.75E-07	1.01E-07	1.24E-07	1.12E-07	5.13E-08	4.50E-08	1.93E-09	4.67E-08	1.03E-08	1.68E-08	2.67E-08	4.70E-09	2.97E-09	1.10E-07
1036	490061.24	3859766.13	1.64E-04	2.00E-04	1.76E-04	5.67E-08	1.71E-07	9.92E-08	1.21E-07	1.10E-07	5.02E-08	4.41E-08	1.89E-09	4.58E-08	1.01E-08	1.65E-08	2.62E-08	4.61E-09	2.91E-09	1.08E-07
1037	490111.24	3859766.13	1.63E-04	1.99E-04	1.75E-04	5.64E-08	1.70E-07	9.85E-08	1.21E-07	1.09E-07	4.99E-08	4.38E-08	1.88E-09	4.55E-08	1.00E-08	1.64E-08	2.60E-08	4.58E-09	2.89E-09	1.07E-07
1038	490161.24	3859766.13	1.62E-04	1.98E-04	1.74E-04	5.60E-08	1.69E-07	9.80E-08	1.20E-07	1.09E-07	4.96E-08	4.35E-08	1.87E-09	4.52E-08	9.98E-09	1.63E-08	2.58E-08	4.55E-09	2.87E-09	1.07E-07
1039	490211.24	3859766.13	1.61E-04	1.97E-04	1.73E-04	5.58E-08	1.69E-07	9.76E-08	1.19E-07	1.08E-07	4.94E-08	4.33E-08	1.86E-09	4.50E-08	9.93E-09	1.62E-08	2.57E-08	4.54E-09	2.86E-09	1.06E-07
1040	490061.24	3859816.13	1.59E-04	1.95E-04	1.71E-04	5.50E-08	1.66E-07	9.62E-08	1.18E-07	1.07E-07	4.87E-08	4.27E-08	1.84E-09	4.44E-08	9.80E-09	1.60E-08	2.54E-08	4.47E-09	2.82E-09	1.05E-07
1041	490111.24	3859816.13	1.58E-04	1.93E-04	1.69E-04	5.46E-08	1.65E-07	9.55E-08	1.17E-07	1.06E-07	4.84E-08	4.24E-08	1.82E-09	4.41E-08	9.73E-09	1.59E-08	2.52E-08	4.44E-09	2.80E-09	1.04E-07
1042	490161.24	3859816.13	1.57E-04	1.92E-04	1.68E-04	5.43E-08	1.64E-07	9.49E-08	1.16E-07	1.05E-07	4.81E-08	4.22E-08	1.81E-09	4.38E-08	9.66E-09	1.58E-08	2.50E-08	4.41E-09	2.78E-09	1.03E-07
1043	490211.24	3859816.13	1.56E-04	1.91E-04	1.67E-04	5.40E-08	1.63E-07	9.43E-08	1.16E-07	1.05E-07	4.78E-08	4.19E-08	1.80E-09	4.35E-08	9.61E-09	1.57E-08	2.49E-08	4.39E-09	2.76E-09	1.03E-07
1044	490061.24	3859866.13	1.54E-04	1.89E-04	1.66E-04	5.35E-08	1.61E-07	9.35E-08	1.15E-07	1.04E-07	4.74E-08	4.15E-08	1.79E-09	4.31E-08	9.52E-09	1.55E-08	2.47E-08	4.35E-09	2.74E-09	1.02E-07
1045	490111.24	3859866.13	1.53E-04	1.88E-04	1.65E-04	5.31E-08	1.60E-07	9.28E-08	1.14E-07	1.03E-07	4.70E-08	4.12E-08	1.77E-09	4.28E-08	9.45E-09	1.54E-08	2.45E-08	4.32E-09	2.72E-09	1.01E-07
1046	490161.24	3859866.13	1.52E-04	1.86E-04	1.63E-04	5.27E-08	1.59E-07	9.22E-08	1.13E-07	1.02E-07	4.67E-08	4.10E-08	1.76E-09	4.25E-08	9.39E-09	1.53E-08	2.43E-08	4.29E-09	2.70E-09	1.00E-07
1047	490211.24	3859866.13	1.51E-04	1.85E-04	1.62E-04	5.24E-08	1.58E-07	9.16E-08	1.12E-07	1.02E-07	4.64E-08	4.07E-08	1.75E-09	4.23E-08	9.33E-09	1.52E-08	2.42E-08	4.26E-09	2.68E-09	9.97E-08
1048	490061.24	3859916.13	1.50E-04	1.84E-04	1.61E-04	5.20E-08	1.57E-07	9.09E-08	1.11E-07	1.01E-07	4.60E-08	4.04E-08	1.74E-09	4.19E-08	9.26E-09	1.51E-08	2.40E-08	4.23E-09	2.66E-09	9.89E-08
1049	490111.24	3859916.13	1.49E-04	1.83E-04	1.60E-04	5.17E-08	1.56E-07	9.03E-08	1.11E-07	1.00E-07	4.58E-08	4.01E-08	1.73E-09	4.17E-08	9.20E-09	1.50E-08	2.38E-08	4.20E-09	2.65E-09	9.83E-08
1050	490161.24	3859916.13	1.48E-04	1.81E-04	1.59E-04	5.13E-08	1.55E-07	8.97E-08	1.10E-07	9.96E-08	4.54E-08	3.98E-08	1.71E-09	4.14E-08	9.13E-09	1.49E-08	2.37E-08	4.17E-09	2.63E-09	9.76E-08
1051	490211.24	3859916.13	1.47E-04	1.80E-04	1.58E-04	5.09E-08	1.54E-07	8.91E-08	1.09E-07	9.89E-08	4.51E-08	3.96E-08	1.70E-09	4.11E-08	9.07E-09	1.48E-08	2.35E-08	4.14E-09	2.61E-09	9.69E-08
1052	490229.25	3859815.26	1.56E-04	1.91E-04	1.67E-04	5.39E-08	1.63E-07	9.43E-08	1.15E-07	1.05E-07	4.78E-08	4.19E-08	1.80E-09	4.35E-08	9.60E-09	1.57E-08	2.49E-08	4.38E-09	2.76E-09	1.03E-07
1053	490279.25	3859815.26	1.55E-04	1.90E-04	1.66E-04	5.37E-08	1.62E-07	9.38E-08	1.15E-07	1.04E-07	4.75E-08	4.17E-08	1.79E-09	4.33E-08	9.55E-09	1.56E-08	2.47E-08	4.36E-09	2.75E-09	1.02E-07
1054	490329.25	3859815.26	1.54E-04	1.89E-04	1.66E-04	5.34E-08	1.61E-07	9.34E-08	1.14E-07	1.04E-07	4.73E-08	4.15E-08	1.78E-09	4.31E-08	9.51E-09	1.55E-08	2.46E-08	4.34E-09	2.74E-09	1.02E-07
1055	490379.25	3859815.26	1.54E-04	1.89E-04	1.65E-04	5.34E-08	1.61E-07	9.33E-08	1.14E-07	1.04E-07	4.73E-08	4.14E-08	1.78E-09	4.30E-08	9.50E-09	1.55E-08	2.46E-08	4.34E-09	2.73E-09	1.02E-07
1056	490429.25	3859815.26	1.54E-04	1.89E-04	1.65E-04	5.34E-08	1.61E-07	9.33E-08	1.14E-07	1.04E-07	4.73E-08	4.15E-08	1.78E-09	4.31E-08	9.50E-09	1.55E-08	2.46E-08	4.34E-09	2.73E-09	1.02E-07
1057	490229.25	3859865.26	1.51E-04	1.85E-04	1.62E-04	5.23E-08	1.58E-07	9.14E-08	1.12E-07	1.02E-07	4.63E-08	4.06E-08	1.75E-09	4.22E-08	9.31E-09	1.52E-08	2.41E-08	4.25E-09	2.68E-09	9.95E-08
1058	490279.25	3859865.26	1.50E-04	1.84E-04	1.61E-04	5.20E-08	1.57E-07	9.09E-08	1.11E-07	1.01E-07	4.61E-08	4.04E-08	1.74E-09	4.19E-08	9.26E-09	1.51E-08	2.40E-08	4.23E-09	2.66E-09	9.89E-08
1059	490329.25	3859865.26	1.49E-04	1.83E-04	1.60E-04	5.17E-08	1.56E-07	9.04E-08	1.11E-07	1.00E-07	4.58E-08	4.02E-08	1.73E-09	4.17E-08	9.21E-09	1.50E-08	2.39E-08	4.20E-09	2.65E-09	9.84E-08
1060	490379.25	3859865.26	1.49E-04	1.82E-04	1.60E-04	5.16E-08	1.56E-07	9.01E-08	1.10E-07	1.00E-07	4.56E-08	4.00E-08	1.72E-09	4.16E-08	9.18E-09	1.50E-08	2.38E-08	4.19E-09	2.64E-09	9.81E-08
1061	490429.25	3859865.26	1.48E-04	1.82E-04	1.59E-04	5.14E-08	1.55E-07	8.99E-08	1.10E-07	9.98E-08	4.55E-08	3.99E-08	1.72E-09	4.15E-08	9.15E-09	1.49E-08	2.37E-08	4.18E-09	2.63E-09	9.78E-08
1062	490229.25	3859915.26	1.47E-04	1.80E-04	1.58E-04	5.09E-08	1.54E-07	8.89E-08	1.09E-07	9.87E-08	4.50E-08	3.95E-08	1.70E-09	4.10E-08	9.05E-09	1.48E-08	2.35E-08	4.13E-09	2.61E-09	9.67E-08
1063	490279.25	3859915.26	1.46E-04	1.78E-04	1.57E-04	5.05E-08	1.52E-07	8.83E-08	1.08E-07	9.80E-08	4.47E-08	3.92E-08	1.69E-09	4.07E-08	8.99E-09	1.47E-08	2.33E-08	4.10E-09	2.59E-09	9.61E-08
1064	490329.25	3859915.26	1.45E-04	1.77E-04	1.56E-04	5.02E-08	1.52E-07	8.77E-08	1.07E-07	9.74E-08	4.45E-08	3.90E-08	1.68E-09	4.05E-08	8.94E-09	1.46E-08	2.31E-08	4.08E-09	2.57E-09	9.55E-08
1065	490379.25	3859915.26	1.44E-04	1.77E-04	1.55E-04	5.00E-08	1.51E-07	8.73E-08	1.07E-07	9.70E-08	4.42E-08	3.88E-08	1.67E-09	4.03E-08	8.89E-09	1.45E-08	2.30E-08	4.06E-09	2.56E-09	9.50E-08
1066	490429.25	3859915.26	1.44E-04	1.76E-04	1.54E-04	4.97E-08	1.50E-07	8.69E-08	1.06E-07	9.65E-08	4.40E-08	3.86E-08	1.66E-09	4.01E-08	8.85E-09	1.45E-08	2.29E-08	4.04E-09	2.55E-09	9.46E-08
1067	490451.43	3859872.59	1.47E-04	1.81E-04	1.58E-04	5.11E-08	1.54E-07	8.93E-08	1.09E-07	9.92E-08	4.53E-08	3.97E-08	1.71E-09	4.12E-08	9.10E-09	1.49E-08	2.36E-08	4.15E-09	2.62E-09	9.72E-08
1068	490501.43	3859872.59	1.47E-04	1.81E-04	1.58E-04	5.11E-08	1.54E-07	8.93E-08	1.09E-07	9.92E-08	4.52E-08	3.97E-08	1.71E-09	4.12E-08	9.09E-09	1.49E-08	2.36E-08	4.15E-09	2.62E-09	9.72E-08
1069	490551.43	3859872.59	1.48E-04	1.81E-04	1.59E-04	5.12E-08	1.55E-07	8.95E-08	1.10E-07	9.94E-08	4.53E-08	3.98E-08	1.71E-09	4.13E-08	9.11E-09	1.49E-08	2.36E-08	4.16E-09	2.62E-09	9.74E-08
1070	490601.43	3859872.59	1.48E-04	1.81E-04	1.59E-04	5.13E-08	1.55E-07	8.97E-08	1.10E-07	9.96E-08	4.54E-08	3.98E-08	1.71E-09	4.14E-08	9.13E-09	1.49E-08	2.37E-08	4.17E-09	2.63E-09	9.76E-08
1071	490451.43	3859922.59	1.43E-04	1.75E-04	1.53E-04	4.94E-08	1.49E-07	8.64E-08	1.06E-07	9.59E-08	4.38E-08	3.84E-08	1.65E-09	3.99E-08	8.80E-09	1.44E-08	2.28E-08	4.02E-09	2.53E-09	9.40E-08
1072	490501.43	3859922.59	1.42E-04	1.74E-04	1.53E-04	4.93E-08	1.49E-07	8.62E-08	1.06E-07	9.57E-08	4.37E-08	3.83E-08	1.65E-09	3.98E-08	8.78E-09	1.43E-08	2.27E-08	4.01E-09	2.53E-09	9.38E-08
1073	490551.43	3859922.59	1.42E-04	1.74E-04	1.53E-04	4.93E-08	1.49E-07	8.62E-08	1.06E-07	9.58E-08	4.37E-08	3.83E-08	1.65E-09	3.98E-08	8.78E-09	1.43E-08	2.28E-08	4.01E-09	2.53E-09	9.39E-08
1074	490601.43	3859922.59	1.43E-04	1.75E-04	1.53E-04	4.94E-08	1.49E-07	8.64E-08	1.06E-07	9.59E-08	4.38E-08	3.84E-08	1.65E-09	3.99E-08	8.80E-09	1.44E-08	2.28E-08	4.02E-09	2.53E-09	9.40E-08
1075	482129.67	3852241.07	8.34E-05	1.02E-04	8.96E-05	2.89E-08	8.72E-08	5.05E-08	6.19E-08	5.61E-08	2.56E-08	2.24E-08	9.65E-10	2.33E-08	5.14E-09	8.40E-09	1.33E-08	2.35E-09	1.48E-09	5.50E-08
1076	482029.67	3852291.07	8.48E-05	1.04E-04	9.11E-05	2.94E-08	8.87E-08	5.13E-08	6.29E-08	5.70E-08	2.60E-08	2.28E-08	9.81E-10	2.37E-08	5.23E-09	8.54E-09	1.35E-08	2.39E-09	1.51E-09	5.59E-08
1077	482079.67	3852291.07	8.52E-05	1.04E-04	9.15E-05	2.95E-08	8.91E-08	5.16E-08	6.32E-08	5.73E-08	2.61E-08	2.29E-08	9.86E-10	2.38E-08	5.25E-09	8.58E-09	1.36E-08	2.40E-09	1.51E-09	5.62E-08
1078	482129.67	3852291.07	8.54E-05	1.05E-04	9.18E-05	2.96E-08	8.93E-08	5.17E-08	6.34E-08	5.74E-08	2.62E-08	2.30E-08	9.88E-10	2.39E-08	5.27E-09	8.60E-09	1.36E-08	2.41E-09	1.52E-09	5.63E-08
1079	482179.67	3852291.07	8.54E-05	1.05E-04	9.18E-05	2.96E-08	8.94E-08	5.17E-08	6.34E-08	5.75E-08	2.62E-08	2.30E-08	9.89E-10	2.39E-08	5.27E-09	8.61E-09	1.37E-08	2.41E-09	1.52E-09	5.63E-08
1080	482229.67	3852291.07	8.52E-05	1.04E-04	9.15E-05	2.95E-08	8.91E-08	5.16E-08	6.32E-08	5.73E-08	2.61E-08	2.29E-08	9.85E-10	2.38E-08	5.25E-09	8.58E-09	1.36E-08	2.40E-09	1.51E-09	5.61E-08
1081	482029.67	3852341.07	8.62E-05	1.06E-04	9.26E-05	2.99E-08	9.02E-08	5.22E-08	6.40E-08	5.80E-08	2.65E-08	2.32E-08	9.98E-10	2.41E-08	5.32E-09	8.69E-09	1.38E-08	2.43E-09	1.53E-09	5.68E-08
1082	482079.67	3852341.07	8.69E-05	1.06E-04	9.33E-05	3.01E-08	9.09E-08	5.26E-08	6.44E-08	5.84E-08	2.67E-08	2.34E-08	1.01E-09	2.43E-08	5.36E-09	8.75E-09	1.39E-08	2.45E-09	1.54E-09	5.73E-08
1083	482129.67	3852341.07	8.72E-05	1.07E-04	9.38E-05	3.02E-08	9.13E-08	5.28E-08	6.47E-08	5.87E-08	2.68E-08	2.35E-08	1.01E-09	2.44E-08	5.38E-09	8.79E-09	1.39E-08	2.46E-09	1.55E-09	5.75E-08
1084	482179.67	3852341.07	8.75E-05	1.07E-04	9.41E-05	3.03E-08	9.16E-08	5.30E-08	6.50E-08	5.89E-08	2.69E-08	2.36E-08	1.01E-09	2.45E-08	5.40E-09	8.82E-09	1.40E-08	2.47E-09	1.55E-09	5.77E-08
1085	482259.06	3852400.14	8.95E-05	1.10E-04	9.62E-05	3.10E-08	9.37E-08	5.42E-08	6.64E-08	6.02E-08	2.75E-08	2.41E-08	1.04E-09	2.50E-08	5.52E-09	9.02E-09	1.43E-08	2.52E-09	1.59E-09	5.90E-08
1086	482309.06	3852400.14	9.00E-05	1.10E-04	9.67E-05	3.12E-08	9.42E-08	5.45E-08	6.68E-08	6.05E-08	2.76E-08	2.42E-08	1.04E-09	2.52E-08	5.55E-09	9.07E-09	1.44E-08	2.53E-09	1.60E-09	5.93E-08
1087	482209.06	3852450.14	9.13E-05	1.12E-04	9.81E-05	3.16E-08	9.56E-08	5.53E-08	6.78E-08	6.14E-08	2.80E-08	2.46E-08	1.06E-09	2.55E-08	5.63E-09	9.20E-09	1.46E-08	2.57E-09	1.62E-09	6.02E-08
1088	482259.06	3852450.14	9.17E-05	1.12E-04	9.85E-05	3.18E-08	9.59E-08	5.55E-08	6.80E-08	6.17E-08	2.81E-08	2.47E-08	1.06E-09	2.56E-08	5.66E-09	9.24E-09	1.47E-08	2.58E-09	1.63E-09	6.05E-08
1089	482309.06	3852450.14	9.23E-05	1.13E-04	9.92E-05	3.20E-08	9.66E-08	5.59E-08	6.85E-08	6.21E-08	2.83E-08	2.49E-08	1.07E-09	2.58E-08	5.69E-09	9.30E-09	1.47E-08	2.60E-09	1.64E-09	6.08E-08
1090	482209.06	3852500.14	9.33E-05	1.14E-04	1.00E-04	3.23E-08	9.76E-08	5.65E-08	6.92E-08	6.28E-08	2.86E-08	2.51E-08	1.08E-09	2.61E-08	5.75E-09	9.40E-09	1.49E-08	2.63E-09	1.66E-09	6.15E-08
1091	482259.06	3852500.14	9.39E-05	1.15E-04	1.01E-04	3.25E-08	9.82E-08	5.69E-08	6.97E-08	6.31E-08	2.88E-08	2.53E-08	1.09E-09	2.62E-08	5.79E-09	9.46E-09	1.50E-08	2.64E-09	1.67E-09	6.19E-08

1092	482309.06	3852500.14	9.44E-05	1.16E-04	1.01E-04	3.27E-08	9.88E-08	5.72E-08	7.01E-08	6.35E-08	2.90E-08	2.54E-08	1.09E-09	2.64E-08	5.82E-09	9.51E-09	1.51E-08	2.66E-09	1.68E-09	6.23E-08
1093	482283.91	3852513.62	9.47E-05	1.16E-04	1.02E-04	3.28E-08	9.91E-08	5.74E-08	7.03E-08	6.37E-08	2.91E-08	2.55E-08	1.10E-09	2.65E-08	5.84E-09	9.54E-09	1.51E-08	2.67E-09	1.68E-09	6.24E-08
1094	482333.91	3852513.62	9.51E-05	1.17E-04	1.02E-04	3.30E-08	9.95E-08	5.76E-08	7.06E-08	6.40E-08	2.92E-08	2.56E-08	1.10E-09	2.66E-08	5.87E-09	9.58E-09	1.52E-08	2.68E-09	1.69E-09	6.27E-08
1095	482283.91	3852563.62	9.66E-05	1.18E-04	1.04E-04	3.35E-08	1.01E-07	5.85E-08	7.17E-08	6.50E-08	2.97E-08	2.60E-08	1.12E-09	2.70E-08	5.96E-09	9.73E-09	1.54E-08	2.72E-09	1.72E-09	6.37E-08
1096	482333.91	3852563.62	9.71E-05	1.19E-04	1.04E-04	3.36E-08	1.02E-07	5.88E-08	7.20E-08	6.53E-08	2.98E-08	2.61E-08	1.12E-09	2.71E-08	5.99E-09	9.78E-09	1.55E-08	2.73E-09	1.72E-09	6.40E-08
1097	482383.91	3852563.62	9.74E-05	1.19E-04	1.05E-04	3.37E-08	1.02E-07	5.90E-08	7.23E-08	6.55E-08	2.99E-08	2.62E-08	1.13E-09	2.72E-08	6.01E-09	9.81E-09	1.56E-08	2.74E-09	1.73E-09	6.42E-08
1098	482283.91	3852613.62	9.91E-05	1.21E-04	1.06E-04	3.43E-08	1.04E-07	6.00E-08	7.35E-08	6.66E-08	3.04E-08	2.67E-08	1.15E-09	2.77E-08	6.11E-09	9.98E-09	1.58E-08	2.79E-09	1.76E-09	6.53E-08
1099	482333.91	3852613.62	9.94E-05	1.22E-04	1.07E-04	3.44E-08	1.04E-07	6.02E-08	7.37E-08	6.68E-08	3.05E-08	2.68E-08	1.15E-09	2.78E-08	6.13E-09	1.00E-08	1.59E-08	2.80E-09	1.77E-09	6.55E-08
1100	482383.91	3852613.62	9.96E-05	1.22E-04	1.07E-04	3.45E-08	1.04E-07	6.03E-08	7.39E-08	6.70E-08	3.06E-08	2.68E-08	1.15E-09	2.78E-08	6.14E-09	1.00E-08	1.59E-08	2.81E-09	1.77E-09	6.57E-08
1101	482602.38	3852600.87	1.02E-04	1.24E-04	1.09E-04	3.52E-08	1.06E-07	6.16E-08	7.54E-08	6.84E-08	3.12E-08	2.74E-08	1.18E-09	2.84E-08	6.27E-09	1.02E-08	1.62E-08	2.86E-09	1.81E-09	6.70E-08
1102	482652.38	3852600.87	1.02E-04	1.25E-04	1.09E-04	3.53E-08	1.07E-07	6.17E-08	7.55E-08	6.85E-08	3.12E-08	2.74E-08	1.18E-09	2.85E-08	6.28E-09	1.03E-08	1.63E-08	2.87E-09	1.81E-09	6.71E-08
1103	482702.38	3852600.87	1.01E-04	1.24E-04	1.09E-04	3.51E-08	1.06E-07	6.13E-08	7.51E-08	6.81E-08	3.11E-08	2.73E-08	1.17E-09	2.83E-08	6.24E-09	1.02E-08	1.62E-08	2.85E-09	1.80E-09	6.67E-08
1104	482552.38	3852650.87	1.04E-04	1.28E-04	1.12E-04	3.61E-08	1.09E-07	6.31E-08	7.73E-08	7.00E-08	3.20E-08	2.80E-08	1.21E-09	2.91E-08	6.42E-09	1.05E-08	1.66E-08	2.93E-09	1.85E-09	6.87E-08
1105	482602.38	3852650.87	1.05E-04	1.28E-04	1.13E-04	3.63E-08	1.10E-07	6.34E-08	7.77E-08	7.04E-08	3.21E-08	2.82E-08	1.21E-09	2.93E-08	6.46E-09	1.05E-08	1.67E-08	2.95E-09	1.86E-09	6.90E-08
1106	482652.38	3852650.87	1.05E-04	1.29E-04	1.13E-04	3.64E-08	1.10E-07	6.37E-08	7.80E-08	7.07E-08	3.23E-08	2.83E-08	1.22E-09	2.94E-08	6.48E-09	1.06E-08	1.68E-08	2.96E-09	1.87E-09	6.93E-08
1107	482702.38	3852650.87	1.05E-04	1.29E-04	1.13E-04	3.65E-08	1.10E-07	6.38E-08	7.81E-08	7.08E-08	3.23E-08	2.83E-08	1.22E-09	2.94E-08	6.49E-09	1.06E-08	1.68E-08	2.96E-09	1.87E-09	6.94E-08
1108	482552.38	3852700.87	1.07E-04	1.31E-04	1.15E-04	3.70E-08	1.12E-07	6.48E-08	7.93E-08	7.19E-08	3.28E-08	2.88E-08	1.24E-09	2.99E-08	6.59E-09	1.08E-08	1.71E-08	3.01E-09	1.90E-09	7.05E-08
1109	482602.38	3852700.87	1.08E-04	1.32E-04	1.16E-04	3.73E-08	1.13E-07	6.52E-08	7.99E-08	7.24E-08	3.30E-08	2.90E-08	1.25E-09	3.01E-08	6.64E-09	1.08E-08	1.72E-08	3.03E-09	1.91E-09	7.10E-08
1110	482652.38	3852700.87	1.08E-04	1.32E-04	1.16E-04	3.74E-08	1.13E-07	6.53E-08	8.00E-08	7.25E-08	3.31E-08	2.90E-08	1.25E-09	3.01E-08	6.65E-09	1.09E-08	1.72E-08	3.04E-09	1.92E-09	7.11E-08
1111	482702.38	3852700.87	1.09E-04	1.33E-04	1.17E-04	3.76E-08	1.14E-07	6.58E-08	8.05E-08	7.30E-08	3.33E-08	2.92E-08	1.26E-09	3.03E-08	6.70E-09	1.09E-08	1.73E-08	3.06E-09	1.93E-09	7.16E-08
1112	482452.38	3852750.87	1.08E-04	1.32E-04	1.16E-04	3.74E-08	1.13E-07	6.53E-08	8.00E-08	7.25E-08	3.31E-08	2.90E-08	1.25E-09	3.01E-08	6.65E-09	1.09E-08	1.72E-08	3.04E-09	1.92E-09	7.11E-08
1113	482521.29	3852749.74	1.09E-04	1.33E-04	1.17E-04	3.77E-08	1.14E-07	6.59E-08	8.08E-08	7.32E-08	3.34E-08	2.93E-08	1.26E-09	3.04E-08	6.71E-09	1.10E-08	1.74E-08	3.07E-09	1.93E-09	7.18E-08
1114	482571.29	3852749.74	1.10E-04	1.34E-04	1.18E-04	3.80E-08	1.15E-07	6.65E-08	8.15E-08	7.38E-08	3.37E-08	2.96E-08	1.27E-09	3.07E-08	6.77E-09	1.11E-08	1.75E-08	3.09E-09	1.95E-09	7.24E-08
1115	482521.29	3852799.74	1.12E-04	1.37E-04	1.20E-04	3.86E-08	1.17E-07	6.75E-08	8.27E-08	7.50E-08	3.42E-08	3.00E-08	1.29E-09	3.12E-08	6.88E-09	1.12E-08	1.78E-08	3.14E-09	1.98E-09	7.35E-08
1116	482571.29	3852799.74	1.12E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.81E-08	8.35E-08	7.57E-08	3.45E-08	3.03E-08	1.30E-09	3.14E-08	6.94E-09	1.13E-08	1.80E-08	3.17E-09	2.00E-09	7.42E-08
1117	482621.29	3852799.74	1.14E-04	1.39E-04	1.22E-04	3.94E-08	1.19E-07	6.89E-08	8.43E-08	7.65E-08	3.49E-08	3.06E-08	1.32E-09	3.18E-08	7.01E-09	1.15E-08	1.82E-08	3.20E-09	2.02E-09	7.49E-08
1118	482571.29	3852849.74	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.01E-08	8.58E-08	7.78E-08	3.55E-08	3.12E-08	1.34E-09	3.23E-08	7.14E-09	1.17E-08	1.85E-08	3.26E-09	2.06E-09	7.63E-08
1119	482621.29	3852849.74	1.17E-04	1.44E-04	1.26E-04	4.06E-08	1.23E-07	7.10E-08	8.69E-08	7.88E-08	3.60E-08	3.16E-08	1.36E-09	3.28E-08	7.23E-09	1.18E-08	1.87E-08	3.30E-09	2.08E-09	7.72E-08
1120	482577.42	3852901.55	1.20E-04	1.46E-04	1.28E-04	4.14E-08	1.25E-07	7.24E-08	8.87E-08	8.04E-08	3.67E-08	3.22E-08	1.38E-09	3.34E-08	7.37E-09	1.20E-08	1.91E-08	3.37E-09	2.12E-09	7.88E-08
1121	482627.42	3852901.55	1.21E-04	1.49E-04	1.30E-04	4.20E-08	1.27E-07	7.34E-08	9.00E-08	8.16E-08	3.72E-08	3.27E-08	1.40E-09	3.39E-08	7.48E-09	1.22E-08	1.94E-08	3.42E-09	2.15E-09	7.99E-08
1122	482629.96	3852955.85	1.25E-04	1.54E-04	1.35E-04	4.34E-08	1.31E-07	7.59E-08	9.30E-08	8.43E-08	3.85E-08	3.38E-08	1.45E-09	3.50E-08	7.73E-09	1.26E-08	2.00E-08	3.53E-09	2.23E-09	8.26E-08
1123	482679.96	3852955.85	1.27E-04	1.56E-04	1.37E-04	4.41E-08	1.33E-07	7.71E-08	9.45E-08	8.56E-08	3.91E-08	3.43E-08	1.47E-09	3.56E-08	7.85E-09	1.28E-08	2.03E-08	3.59E-09	2.26E-09	8.39E-08
1124	482781.63	3853034.48	1.38E-04	1.70E-04	1.49E-04	4.80E-08	1.45E-07	8.38E-08	1.03E-07	9.31E-08	4.25E-08	3.73E-08	1.60E-09	3.87E-08	8.54E-09	1.39E-08	2.21E-08	3.90E-09	2.46E-09	9.12E-08
1125	482831.63	3853034.48	1.39E-04	1.70E-04	1.50E-04	4.82E-08	1.46E-07	8.43E-08	1.03E-07	9.36E-08	4.27E-08	3.75E-08	1.61E-09	3.89E-08	8.58E-09	1.40E-08	2.22E-08	3.92E-09	2.47E-09	9.17E-08
1126	482881.63	3853034.48	1.39E-04	1.70E-04	1.50E-04	4.82E-08	1.46E-07	8.43E-08	1.03E-07	9.36E-08	4.27E-08	3.75E-08	1.61E-09	3.89E-08	8.58E-09	1.40E-08	2.22E-08	3.92E-09	2.47E-09	9.17E-08
1127	482781.63	3853084.48	1.44E-04	1.76E-04	1.55E-04	4.98E-08	1.51E-07	8.71E-08	1.07E-07	9.68E-08	4.41E-08	3.88E-08	1.66E-09	4.02E-08	8.87E-09	1.45E-08	2.30E-08	4.05E-09	2.56E-09	9.48E-08
1128	482831.63	3853084.48	1.45E-04	1.78E-04	1.56E-04	5.02E-08	1.52E-07	8.78E-08	1.08E-07	9.75E-08	4.45E-08	3.90E-08	1.68E-09	4.05E-08	8.94E-09	1.46E-08	2.32E-08	4.08E-09	2.58E-09	9.56E-08
1129	482881.63	3853084.48	1.45E-04	1.78E-04	1.56E-04	5.03E-08	1.52E-07	8.79E-08	1.08E-07	9.76E-08	4.45E-08	3.91E-08	1.68E-09	4.05E-08	8.95E-09	1.46E-08	2.32E-08	4.09E-09	2.58E-09	9.56E-08
1130	482781.63	3853134.48	1.50E-04	1.83E-04	1.61E-04	5.19E-08	1.57E-07	9.06E-08	1.11E-07	1.01E-07	4.59E-08	4.03E-08	1.73E-09	4.18E-08	9.23E-09	1.51E-08	2.39E-08	4.22E-09	2.66E-09	9.87E-08
1131	482831.63	3853134.48	1.51E-04	1.85E-04	1.62E-04	5.23E-08	1.58E-07	9.15E-08	1.12E-07	1.02E-07	4.64E-08	4.07E-08	1.75E-09	4.22E-08	9.32E-09	1.52E-08	2.41E-08	4.25E-09	2.68E-09	9.96E-08
1132	482881.63	3853134.48	1.51E-04	1.85E-04	1.63E-04	5.24E-08	1.58E-07	9.16E-08	1.12E-07	1.02E-07	4.64E-08	4.07E-08	1.75E-09	4.23E-08	9.33E-09	1.52E-08	2.42E-08	4.26E-09	2.69E-09	9.97E-08
1133	482831.63	3853184.48	1.58E-04	1.93E-04	1.70E-04	5.47E-08	1.65E-07	9.56E-08	1.17E-07	1.06E-07	4.85E-08	4.25E-08	1.83E-09	4.41E-08	9.74E-09	1.59E-08	2.52E-08	4.45E-09	2.81E-09	1.04E-07
1134	482881.63	3853184.48	1.58E-04	1.94E-04	1.70E-04	5.48E-08	1.65E-07	9.58E-08	1.17E-07	1.06E-07	4.85E-08	4.26E-08	1.83E-09	4.42E-08	9.75E-09	1.59E-08	2.53E-08	4.45E-09	2.81E-09	1.04E-07
1135	484154.84	3854250.98	5.53E-04	6.77E-04	5.95E-04	1.92E-07	5.78E-07	3.35E-07	4.10E-07	3.72E-07	1.70E-07	1.49E-07	6.40E-09	1.55E-07	3.41E-08	5.57E-08	8.84E-08	1.56E-08	9.83E-09	3.64E-07
1136	484204.84	3854250.98	5.36E-04	6.57E-04	5.77E-04	1.86E-07	5.61E-07	3.25E-07	3.98E-07	3.61E-07	1.65E-07	1.45E-07	6.21E-09	1.50E-07	3.31E-08	5.41E-08	8.57E-08	1.51E-08	9.54E-09	3.54E-07
1137	484154.84	3854300.98	5.73E-04	7.03E-04	6.17E-04	1.99E-07	6.00E-07	3.47E-07	4.26E-07	3.86E-07	1.76E-07	1.55E-07	6.64E-09	1.60E-07	3.54E-08	5.78E-08	9.17E-08	1.62E-08	1.02E-08	3.78E-07
1138	484204.84	3854300.98	5.64E-04	6.92E-04	6.08E-04	1.96E-07	5.91E-07	3.42E-07	4.19E-07	3.80E-07	1.73E-07	1.52E-07	6.53E-09	1.58E-07	3.48E-08	5.69E-08	9.02E-08	1.59E-08	1.00E-08	3.72E-07
1139	484074.19	3854519.8	9.25E-04	1.13E-03	9.95E-04	3.21E-07	9.68E-07	5.60E-07	6.87E-07	6.22E-07	2.84E-07	2.49E-07	1.07E-08	2.59E-07	5.71E-08	9.32E-08	1.48E-07	2.61E-08	1.65E-08	6.10E-07
1140	484124.19	3854519.8	8.79E-04	1.08E-03	9.46E-04	3.05E-07	9.20E-07	5.32E-07	6.52E-07	5.91E-07	2.70E-07	2.37E-07	1.02E-08	2.46E-07	5.42E-08	8.86E-08	1.41E-07	2.48E-08	1.56E-08	5.80E-07
1141	484074.19	3854569.8	1.10E-03	1.35E-03	1.19E-03	3.82E-07	1.15E-06	6.68E-07	8.19E-07	7.42E-07	3.39E-07	2.97E-07	1.28E-08	3.08E-07	6.80E-08	1.11E-07	1.76E-07	3.11E-08	1.96E-08	7.27E-07
1142	484124.19	3854569.8	1.03E-03	1.26E-03	1.11E-03	3.57E-07	1.08E-06	6.24E-07	7.64E-07	6.93E-07	3.16E-07	2.78E-07	1.19E-08	2.88E-07	6.35E-08	1.04E-07	1.65E-07	2.90E-08	1.83E-08	6.79E-07
1143	485205.11	3855188.89	4.23E-03	5.18E-03	4.54E-03	1.47E-06	4.43E-06	2.56E-06	3.14E-06	2.85E-06	1.30E-06	1.14E-06	4.89E-08	1.18E-06	2.61E-07	4.26E-07	6.76E-07	1.19E-07	7.50E-08	2.79E-06
1144	485255.11	3855188.89	3.78E-03	4.63E-03	4.06E-03	1.31E-06	3.96E-06	2.29E-06	2.81E-06	2.54E-06	1.16E-06	1.02E-06	4.38E-08	1.06E-06	2.33E-07	3.81E-07	6.04E-07	1.07E-07	6.71E-08	2.49E-06
1145	485205.11	3855238.89	4.63E-03	5.68E-03	4.98E-03	1.61E-06	4.85E-06	2.81E-06	3.44E-06	3.12E-06	1.42E-06	1.25E-06	5.36E-08	1.30E-06	2.86E-07	4.67E-07	7.40E-07	1.31E-07	8.23E-08	3.05E-06
1146	485255.11	3855238.89	4.18E-03	5.12E-03	4.49E-03	1.45E-06	4.37E-06	2.53E-06	3.10E-06	2.81E-06	1.28E-06	1.13E-06	4.84E-08	1.17E-06	2.58E-07	4.21E-07	6.68E-07	1.18E-07	7.42E-08	2.76E-06
1147	485205.11	3855288.89	5.65E-03	6.92E-03	6.08E-03	1.96E-06	5.91E-06	3.42E-06	4.19E-06	3.80E-06	1.73E-06	1.52E-06	6.54E-08	1.58E-06	3.48E-07	5.69E-07	9.03E-07	1.59E-07	1.00E-07	3.72E-06
1148	485255.11	3855288.89	4.89E-03	5.99E-03	5.26E-03	1.70E-06	5.12E-06	2.96E-06	3.63E-06	3.29E-06	1.50E-06	1.32E-06	5.66E-08	1.37E-06	3.02E-07	4.93E-07	7.82E-07	1.38E-07	8.70E-08	3.23E-06
1149	485255.11	3855338.89	5.85E-03	7.16E-03	6.30E-03	2.03E-06	6.12E-06	3.54E-06	4.34E-06	3.93E-06	1.80E-06	1.58E-06	6.77E-08	1.63E-06	3.61E-07	5.89E-07	9.35E-07	1.65E-07	1.04E-07	3.86E-06
1150	485305.11	3855338.89	5.06E-03	6.19E-03	5.44E-03	1.75E-06	5.29E-06	3.06E-06	3.75E-06	3.40E-06	1.55E-06	1.36E-06	5.85E-08	1.41E-06	3.12E-07	5.09E-07	8.08E-07	1.42E-07	9.00E-08	3.33E-06
1151	485852.5	3855635.28	3.50E-03	4.29E-03	3.78E-03	1.21E-06	3.67E-06	2.12E-06	2.60E-06	2.36E-06	1.08E-06	9.47E-07	4.06E-08	9.80E-07	2.16E-07	3.53E-07	5.60E-07	9.87E-08	6.24E-08	2.31E-06
1152	485902.5	3855635.28	3.23E-03	3.96E-03	3.48E-03	1.12E-06	3.38E-06	1.96E-06	2.40E-06	2.17E-06	9.91E-07	8.72E-07	3.74E-08	9.03E-07	1.99E-07	3.25E-07	5.16E-07	9.10E-08	5.75E-08	2.13E-06

1153	485852.5	3855685.28	3.83E-03	4.69E-03	4.13E-03	1.33E-06	4.01E-06	2.32E-06	2.84E-06	2.58E-06	1.18E-06	1.03E-06	4.43E-08	1.07E-06	2.36E-07	3.86E-07	6.12E-07	1.08E-07	6.83E-08	2.53E-06
1154	485902.5	3855685.28	3.50E-03	4.28E-03	3.77E-03	1.21E-06	3.66E-06	2.12E-06	2.60E-06	2.35E-06	1.07E-06	9.45E-07	4.05E-08	9.78E-07	2.16E-07	3.52E-07	5.59E-07	9.85E-08	6.23E-08	2.31E-06
1155	485852.5	3855735.28	4.23E-03	5.18E-03	4.56E-03	1.47E-06	4.42E-06	2.56E-06	3.14E-06	2.84E-06	1.30E-06	1.14E-06	4.89E-08	1.18E-06	2.61E-07	4.26E-07	6.76E-07	1.19E-07	7.54E-08	2.79E-06
1156	485902.5	3855735.28	3.85E-03	4.72E-03	4.15E-03	1.33E-06	4.03E-06	2.33E-06	2.86E-06	2.59E-06	1.18E-06	1.04E-06	4.46E-08	1.08E-06	2.37E-07	3.88E-07	6.15E-07	1.08E-07	6.86E-08	2.54E-06
1157	485852.5	3855785.28	4.81E-03	5.90E-03	5.19E-03	1.67E-06	5.04E-06	2.92E-06	3.57E-06	3.24E-06	1.48E-06	1.30E-06	5.57E-08	1.35E-06	2.97E-07	4.85E-07	7.69E-07	1.36E-07	8.58E-08	3.17E-06
1158	485902.5	3855785.28	4.24E-03	5.19E-03	4.57E-03	1.47E-06	4.44E-06	2.57E-06	3.15E-06	2.85E-06	1.30E-06	1.15E-06	4.91E-08	1.19E-06	2.62E-07	4.27E-07	6.78E-07	1.19E-07	7.56E-08	2.80E-06
1159	486809.46	3856465.28	3.76E-03	4.61E-03	4.06E-03	1.30E-06	3.93E-06	2.28E-06	2.79E-06	2.53E-06	1.15E-06	1.02E-06	4.35E-08	1.05E-06	2.32E-07	3.79E-07	6.01E-07	1.06E-07	6.71E-08	2.48E-06
1160	486859.46	3856465.28	3.52E-03	4.31E-03	3.80E-03	1.22E-06	3.68E-06	2.13E-06	2.61E-06	2.37E-06	1.08E-06	9.52E-07	4.07E-08	9.84E-07	2.17E-07	3.55E-07	5.63E-07	9.91E-08	6.28E-08	2.32E-06
1161	486909.46	3856465.28	3.31E-03	4.06E-03	3.57E-03	1.15E-06	3.46E-06	2.01E-06	2.46E-06	2.23E-06	1.02E-06	8.95E-07	3.83E-08	9.26E-07	2.04E-07	3.34E-07	5.29E-07	9.32E-08	5.90E-08	2.18E-06
1162	486809.46	3856515.28	4.12E-03	5.04E-03	4.44E-03	1.43E-06	4.31E-06	2.49E-06	3.05E-06	2.77E-06	1.26E-06	1.11E-06	4.76E-08	1.15E-06	2.54E-07	4.15E-07	6.58E-07	1.16E-07	7.34E-08	2.71E-06
1163	486859.46	3856515.28	3.82E-03	4.68E-03	4.12E-03	1.32E-06	4.00E-06	2.31E-06	2.83E-06	2.57E-06	1.17E-06	1.03E-06	4.42E-08	1.07E-06	2.36E-07	3.85E-07	6.10E-07	1.08E-07	6.81E-08	2.52E-06
1164	486909.46	3856515.28	3.57E-03	4.37E-03	3.85E-03	1.24E-06	3.74E-06	2.16E-06	2.65E-06	2.40E-06	1.10E-06	9.65E-07	4.13E-08	9.98E-07	2.20E-07	3.60E-07	5.70E-07	1.01E-07	6.37E-08	2.35E-06
1165	486980.94	3856357.95	2.68E-03	3.28E-03	2.89E-03	9.28E-07	2.80E-06	1.62E-06	1.99E-06	1.80E-06	8.22E-07	7.24E-07	3.10E-08	7.49E-07	1.65E-07	2.70E-07	4.28E-07	7.54E-08	4.78E-08	1.77E-06
1166	487030.94	3856357.95	2.57E-03	3.14E-03	2.77E-03	8.89E-07	2.68E-06	1.55E-06	1.90E-06	1.73E-06	7.87E-07	6.93E-07	2.97E-08	7.17E-07	1.58E-07	2.58E-07	4.10E-07	7.23E-08	4.57E-08	1.69E-06
1167	486980.94	3856407.95	2.85E-03	3.49E-03	3.07E-03	9.87E-07	2.98E-06	1.72E-06	2.11E-06	1.91E-06	8.74E-07	7.69E-07	3.29E-08	7.96E-07	1.76E-07	2.87E-07	4.55E-07	8.02E-08	5.08E-08	1.88E-06
1168	487030.94	3856407.95	2.72E-03	3.33E-03	2.93E-03	9.41E-07	2.84E-06	1.65E-06	2.01E-06	1.83E-06	8.33E-07	7.34E-07	3.14E-08	7.59E-07	1.68E-07	2.74E-07	4.34E-07	7.65E-08	4.84E-08	1.79E-06
1169	487447.18	3856437.45	2.03E-03	2.48E-03	2.19E-03	7.03E-07	2.12E-06	1.23E-06	1.50E-06	1.36E-06	6.22E-07	5.48E-07	2.35E-08	5.67E-07	1.25E-07	2.04E-07	3.24E-07	5.71E-08	3.62E-08	1.34E-06
1170	487497.18	3856437.45	1.96E-03	2.40E-03	2.12E-03	6.80E-07	2.05E-06	1.19E-06	1.46E-06	1.32E-06	6.02E-07	5.30E-07	2.27E-08	5.49E-07	1.21E-07	1.98E-07	3.14E-07	5.53E-08	3.50E-08	1.29E-06
1171	487547.18	3856437.45	1.90E-03	2.33E-03	2.05E-03	6.59E-07	1.99E-06	1.15E-06	1.41E-06	1.28E-06	5.84E-07	5.14E-07	2.20E-08	5.32E-07	1.17E-07	1.92E-07	3.04E-07	5.36E-08	3.39E-08	1.25E-06
1172	487447.18	3856487.45	2.11E-03	2.58E-03	2.27E-03	7.31E-07	2.21E-06	1.28E-06	1.57E-06	1.42E-06	6.47E-07	5.70E-07	2.44E-08	5.90E-07	1.30E-07	2.13E-07	3.37E-07	5.94E-08	3.76E-08	1.39E-06
1173	487497.18	3856487.45	2.04E-03	2.50E-03	2.20E-03	7.06E-07	2.13E-06	1.23E-06	1.51E-06	1.37E-06	6.25E-07	5.51E-07	2.36E-08	5.70E-07	1.26E-07	2.05E-07	3.26E-07	5.74E-08	3.63E-08	1.34E-06
1174	487547.18	3856487.45	1.97E-03	2.41E-03	2.13E-03	6.83E-07	2.06E-06	1.19E-06	1.46E-06	1.33E-06	6.05E-07	5.33E-07	2.28E-08	5.51E-07	1.22E-07	1.99E-07	3.15E-07	5.55E-08	3.51E-08	1.30E-06
1175	487447.18	3856537.45	2.19E-03	2.69E-03	2.37E-03	7.60E-07	2.30E-06	1.33E-06	1.63E-06	1.48E-06	6.73E-07	5.93E-07	2.54E-08	6.13E-07	1.35E-07	2.21E-07	3.51E-07	6.18E-08	3.91E-08	1.45E-06
1176	487497.18	3856537.45	2.12E-03	2.59E-03	2.28E-03	7.33E-07	2.21E-06	1.28E-06	1.57E-06	1.42E-06	6.49E-07	5.72E-07	2.45E-08	5.92E-07	1.31E-07	2.13E-07	3.38E-07	5.96E-08	3.77E-08	1.40E-06
1177	487547.18	3856537.45	2.04E-03	2.50E-03	2.20E-03	7.08E-07	2.14E-06	1.24E-06	1.52E-06	1.37E-06	6.27E-07	5.52E-07	2.37E-08	5.71E-07	1.26E-07	2.06E-07	3.27E-07	5.76E-08	3.64E-08	1.35E-06
1178	489285.89	3858826.54	7.69E-04	9.42E-04	8.29E-04	2.67E-07	8.05E-07	4.66E-07	5.71E-07	5.17E-07	2.36E-07	2.08E-07	8.90E-09	2.15E-07	4.74E-08	7.75E-08	1.23E-07	2.17E-08	1.37E-08	5.07E-07
1179	489335.89	3858826.54	7.18E-04	8.80E-04	7.74E-04	2.49E-07	7.51E-07	4.35E-07	5.33E-07	4.83E-07	2.20E-07	1.94E-07	8.31E-09	2.01E-07	4.43E-08	7.23E-08	1.15E-07	2.02E-08	1.28E-08	4.73E-07
1180	489385.89	3858826.54	6.75E-04	8.27E-04	7.27E-04	2.34E-07	7.06E-07	4.09E-07	5.01E-07	4.54E-07	2.07E-07	1.82E-07	7.81E-09	1.89E-07	4.16E-08	6.80E-08	1.08E-07	1.90E-08	1.20E-08	4.45E-07
1181	489435.89	3858826.54	6.39E-04	7.83E-04	6.89E-04	2.22E-07	6.69E-07	3.87E-07	4.74E-07	4.30E-07	1.96E-07	1.73E-07	7.40E-09	1.79E-07	3.94E-08	6.44E-08	1.02E-07	1.80E-08	1.14E-08	4.22E-07
1182	489485.89	3858826.54	6.09E-04	7.46E-04	6.56E-04	2.11E-07	6.37E-07	3.69E-07	4.52E-07	4.10E-07	1.87E-07	1.64E-07	7.05E-09	1.70E-07	3.76E-08	6.14E-08	9.74E-08	1.72E-08	1.08E-08	4.02E-07
1183	489535.89	3858826.54	5.83E-04	7.14E-04	6.28E-04	2.02E-07	6.10E-07	3.53E-07	4.33E-07	3.92E-07	1.79E-07	1.57E-07	6.75E-09	1.63E-07	3.60E-08	5.87E-08	9.32E-08	1.64E-08	1.04E-08	3.84E-07
1184	489585.89	3858826.54	5.60E-04	6.87E-04	6.03E-04	1.94E-07	5.86E-07	3.40E-07	4.16E-07	3.77E-07	1.72E-07	1.51E-07	6.49E-09	1.57E-07	3.46E-08	5.65E-08	8.96E-08	1.58E-08	9.97E-09	3.70E-07
1185	489635.89	3858826.54	5.41E-04	6.62E-04	5.82E-04	1.87E-07	5.66E-07	3.27E-07	4.01E-07	3.64E-07	1.66E-07	1.46E-07	6.26E-09	1.51E-07	3.33E-08	5.45E-08	8.64E-08	1.52E-08	9.62E-09	3.56E-07
1186	489685.89	3858826.54	5.23E-04	6.40E-04	5.63E-04	1.81E-07	5.47E-07	3.17E-07	3.88E-07	3.52E-07	1.60E-07	1.41E-07	6.05E-09	1.46E-07	3.22E-08	5.27E-08	8.35E-08	1.47E-08	9.30E-09	3.45E-07
1187	489735.89	3858826.54	5.07E-04	6.21E-04	5.45E-04	1.76E-07	5.30E-07	3.07E-07	3.76E-07	3.41E-07	1.55E-07	1.37E-07	5.86E-09	1.42E-07	3.12E-08	5.10E-08	8.10E-08	1.43E-08	9.01E-09	3.34E-07
1188	489785.89	3858826.54	4.92E-04	6.03E-04	5.30E-04	1.71E-07	5.15E-07	2.98E-07	3.65E-07	3.31E-07	1.51E-07	1.33E-07	5.69E-09	1.38E-07	3.04E-08	4.96E-08	7.86E-08	1.39E-08	8.75E-09	3.24E-07
1189	489835.89	3858826.54	4.79E-04	5.87E-04	5.15E-04	1.66E-07	5.01E-07	2.90E-07	3.55E-07	3.22E-07	1.47E-07	1.29E-07	5.54E-09	1.34E-07	2.95E-08	4.82E-08	7.65E-08	1.35E-08	8.51E-09	3.16E-07
1190	489885.89	3858826.54	4.67E-04	5.72E-04	5.02E-04	1.62E-07	4.89E-07	2.83E-07	3.46E-07	3.14E-07	1.43E-07	1.26E-07	5.40E-09	1.31E-07	2.88E-08	4.70E-08	7.46E-08	1.31E-08	8.30E-09	3.08E-07
1191	489935.89	3858826.54	4.56E-04	5.58E-04	4.90E-04	1.58E-07	4.77E-07	2.76E-07	3.38E-07	3.07E-07	1.40E-07	1.23E-07	5.27E-09	1.27E-07	2.81E-08	4.59E-08	7.28E-08	1.28E-08	8.10E-09	3.01E-07
1192	489985.89	3858826.54	4.46E-04	5.46E-04	4.79E-04	1.54E-07	4.66E-07	2.70E-07	3.31E-07	3.00E-07	1.37E-07	1.20E-07	5.16E-09	1.25E-07	2.75E-08	4.49E-08	7.12E-08	1.26E-08	7.92E-09	2.94E-07
1193	490035.89	3858826.54	4.36E-04	5.34E-04	4.69E-04	1.51E-07	4.56E-07	2.64E-07	3.24E-07	2.93E-07	1.34E-07	1.18E-07	5.05E-09	1.22E-07	2.69E-08	4.39E-08	6.97E-08	1.23E-08	7.75E-09	2.88E-07
1194	489285.89	3858876.54	7.03E-04	8.62E-04	7.58E-04	2.44E-07	7.36E-07	4.26E-07	5.22E-07	4.73E-07	2.16E-07	1.90E-07	8.14E-09	1.97E-07	4.34E-08	7.09E-08	1.12E-07	1.98E-08	1.25E-08	4.64E-07
1195	489335.89	3858876.54	6.60E-04	8.09E-04	7.11E-04	2.29E-07	6.91E-07	4.00E-07	4.90E-07	4.44E-07	2.03E-07	1.78E-07	7.64E-09	1.85E-07	4.07E-08	6.65E-08	1.06E-07	1.86E-08	1.18E-08	4.35E-07
1196	489385.89	3858876.54	6.24E-04	7.65E-04	6.73E-04	2.16E-07	6.53E-07	3.78E-07	4.63E-07	4.20E-07	1.92E-07	1.69E-07	7.23E-09	1.75E-07	3.85E-08	6.29E-08	9.98E-08	1.76E-08	1.11E-08	4.12E-07
1197	489435.89	3858876.54	5.94E-04	7.27E-04	6.40E-04	2.06E-07	6.21E-07	3.60E-07	4.41E-07	3.99E-07	1.82E-07	1.60E-07	6.87E-09	1.66E-07	3.66E-08	5.98E-08	9.49E-08	1.67E-08	1.06E-08	3.92E-07
1198	489485.89	3858876.54	5.67E-04	6.95E-04	6.11E-04	1.97E-07	5.94E-07	3.44E-07	4.21E-07	3.82E-07	1.74E-07	1.53E-07	6.57E-09	1.59E-07	3.50E-08	5.72E-08	9.07E-08	1.60E-08	1.01E-08	3.74E-07
1199	489535.89	3858876.54	5.45E-04	6.67E-04	5.87E-04	1.89E-07	5.70E-07	3.30E-07	4.04E-07	3.66E-07	1.67E-07	1.47E-07	6.30E-09	1.52E-07	3.36E-08	5.49E-08	8.71E-08	1.53E-08	9.69E-09	3.59E-07
1200	489585.89	3858876.54	5.25E-04	6.43E-04	5.65E-04	1.82E-07	5.49E-07	3.18E-07	3.89E-07	3.53E-07	1.61E-07	1.42E-07	6.07E-09	1.47E-07	3.24E-08	5.29E-08	8.39E-08	1.48E-08	9.34E-09	3.46E-07
1201	489635.89	3858876.54	5.08E-04	6.22E-04	5.46E-04	1.76E-07	5.31E-07	3.07E-07	3.77E-07	3.41E-07	1.56E-07	1.37E-07	5.87E-09	1.42E-07	3.13E-08	5.11E-08	8.11E-08	1.43E-08	9.03E-09	3.35E-07
1202	489685.89	3858876.54	4.92E-04	6.03E-04	5.30E-04	1.71E-07	5.15E-07	2.98E-07	3.65E-07	3.31E-07	1.51E-07	1.33E-07	5.69E-09	1.38E-07	3.04E-08	4.96E-08	7.86E-08	1.39E-08	8.75E-09	3.24E-07
1203	489735.89	3858876.54	4.78E-04	5.86E-04	5.14E-04	1.66E-07	5.00E-07	2.90E-07	3.55E-07	3.22E-07	1.47E-07	1.29E-07	5.53E-09	1.34E-07	2.95E-08	4.82E-08	7.64E-08	1.35E-08	8.50E-09	3.15E-07
1204	489785.89	3858876.54	4.65E-04	5.70E-04	5.01E-04	1.61E-07	4.87E-07	2.82E-07	3.45E-07	3.13E-07	1.43E-07	1.25E-07	5.38E-09	1.30E-07	2.87E-08	4.69E-08	7.44E-08	1.31E-08	8.27E-09	3.07E-07
1205	489835.89	3858876.54	4.54E-04	5.56E-04	4.88E-04	1.57E-07	4.75E-07	2.75E-07	3.37E-07	3.05E-07	1.39E-07	1.22E-07	5.25E-09	1.27E-07	2.80E-08	4.57E-08	7.25E-08	1.28E-08	8.07E-09	2.99E-07
1206	489885.89	3858876.54	4.43E-04	5.43E-04	4.77E-04	1.54E-07	4.64E-07	2.68E-07	3.29E-07	2.98E-07	1.36E-07	1.19E-07	5.13E-09	1.24E-07	2.73E-08	4.46E-08	7.08E-08	1.25E-08	7.88E-09	2.92E-07
1207	489935.89	3858876.54	4.33E-04	5.31E-04	4.66E-04	1.50E-07	4.53E-07	2.62E-07	3.21E-07	2.91E-07	1.33E-07	1.17E-07	5.01E-09	1.21E-07	2.67E-08	4.36E-08	6.92E-08	1.22E-08	7.70E-09	2.86E-07
1208	489985.89	3858876.54	4.24E-04	5.19E-04	4.56E-04	1.47E-07	4.44E-07	2.57E-07	3.15E-07	2.85E-07	1.30E-07	1.14E-07	4.91E-09	1.19E-07	2.62E-08	4.27E-08	6.78E-08	1.19E-08	7.54E-09	2.80E-07
1209	490035.89	3858876.54	4.16E-04	5.09E-04	4.47E-04	1.44E-07	4.35E-07	2.52E-07	3.08E-07	2.80E-07	1.28E-07	1.12E-07	4.81E-09	1.16E-07	2.56E-08	4.19E-08	6.64E-08	1.17E-08	7.39E-09	2.74E-07
1210	489285.89	3858926.54	6.23E-04	7.63E-04	6.71E-04	2.16E-07	6.52E-07	3.77E-07	4.62E-07	4.19E-07	1.91E-07	1.68E-07	7.21E-09	1.74E-07	3.84E-08	6.28E-08	9.96E-08	1.76E-08	1.11E-08	4.11E-07
1211	489335.89	3858926.54	5.92E-04	7.26E-04	6.38E-04	2.05E-07	6.20E-07	3.59E-07	4.40E-07	3.98E-07	1.82E-07	1.60E-07	6.85E-09	1.66E-07	3.65E-08	5.97E-08	9.47E-08	1.67E-08	1.05E-08	3.91E-07
1212	489385.89	3858926.54	5.66E-04	6.93E-04	6.09E-04	1.96E-07	5.92E-07	3.43E-07	4.20E-07	3.80E-07	1.74E-07	1.53E-07	6.55E-09	1.58E-07	3.49E-08	5.70E-08	9.04E-08	1.59E-08	1.01E-08	3.73E-07
1213	489435.89	3858926.54	5.42E-04	6.64E-04	5.84E-04	1.88E-07	5.67E-07	3.28E-07	4.02E-07	3.65E-07	1.66E-07	1.46E-07	6.28E-09	1.52E-07	3.34E-08	5.46E-08	8.67E-08	1.53E-08	9.65E-09	3.58E-07

1214	489485.89	3858926.54	5.22E-04	6.39E-04	5.62E-04	1.81E-07	5.46E-07	3.16E-07	3.87E-07	3.51E-07	1.60E-07	1.41E-07	6.04E-09	1.46E-07	3.22E-08	5.26E-08	8.34E-08	1.47E-08	9.28E-09	3.44E-07
1215	489535.89	3858926.54	5.03E-04	6.17E-04	5.42E-04	1.74E-07	5.27E-07	3.05E-07	3.74E-07	3.39E-07	1.54E-07	1.36E-07	5.82E-09	1.41E-07	3.10E-08	5.07E-08	8.04E-08	1.42E-08	8.96E-09	3.32E-07
1216	489585.89	3858926.54	4.87E-04	5.97E-04	5.24E-04	1.69E-07	5.10E-07	2.95E-07	3.61E-07	3.28E-07	1.49E-07	1.31E-07	5.64E-09	1.36E-07	3.00E-08	4.91E-08	7.78E-08	1.37E-08	8.66E-09	3.21E-07
1217	489635.89	3858926.54	4.72E-04	5.79E-04	5.09E-04	1.64E-07	4.94E-07	2.86E-07	3.51E-07	3.18E-07	1.45E-07	1.27E-07	5.47E-09	1.32E-07	2.91E-08	4.76E-08	7.55E-08	1.33E-08	8.41E-09	3.12E-07
1218	489685.89	3858926.54	4.60E-04	5.63E-04	4.95E-04	1.59E-07	4.81E-07	2.78E-07	3.41E-07	3.09E-07	1.41E-07	1.24E-07	5.32E-09	1.29E-07	2.84E-08	4.63E-08	7.35E-08	1.29E-08	8.18E-09	3.03E-07
1219	489735.89	3858926.54	4.48E-04	5.49E-04	4.82E-04	1.55E-07	4.69E-07	2.71E-07	3.32E-07	3.01E-07	1.38E-07	1.21E-07	5.18E-09	1.25E-07	2.76E-08	4.51E-08	7.16E-08	1.26E-08	7.97E-09	2.95E-07
1220	489785.89	3858926.54	4.37E-04	5.36E-04	4.71E-04	1.52E-07	4.58E-07	2.65E-07	3.25E-07	2.94E-07	1.34E-07	1.18E-07	5.06E-09	1.22E-07	2.70E-08	4.41E-08	6.99E-08	1.23E-08	7.78E-09	2.88E-07
1221	489835.89	3858926.54	4.27E-04	5.24E-04	4.60E-04	1.48E-07	4.47E-07	2.59E-07	3.17E-07	2.88E-07	1.31E-07	1.15E-07	4.95E-09	1.19E-07	2.64E-08	4.31E-08	6.83E-08	1.20E-08	7.60E-09	2.82E-07
1222	489885.89	3858926.54	4.18E-04	5.13E-04	4.50E-04	1.45E-07	4.38E-07	2.53E-07	3.10E-07	2.81E-07	1.28E-07	1.13E-07	4.84E-09	1.17E-07	2.58E-08	4.22E-08	6.69E-08	1.18E-08	7.44E-09	2.76E-07
1223	489935.89	3858926.54	4.10E-04	5.02E-04	4.41E-04	1.42E-07	4.29E-07	2.48E-07	3.04E-07	2.76E-07	1.26E-07	1.10E-07	4.74E-09	1.15E-07	2.53E-08	4.13E-08	6.55E-08	1.15E-08	7.29E-09	2.70E-07
1224	489985.89	3858926.54	4.02E-04	4.93E-04	4.32E-04	1.39E-07	4.21E-07	2.44E-07	2.98E-07	2.70E-07	1.23E-07	1.08E-07	4.65E-09	1.12E-07	2.48E-08	4.05E-08	6.43E-08	1.13E-08	7.15E-09	2.65E-07
1225	490035.89	3858926.54	3.95E-04	4.83E-04	4.24E-04	1.37E-07	4.13E-07	2.39E-07	2.93E-07	2.65E-07	1.21E-07	1.06E-07	4.57E-09	1.10E-07	2.43E-08	3.98E-08	6.31E-08	1.11E-08	7.01E-09	2.60E-07
1226	489335.89	3858976.54	5.23E-04	6.41E-04	5.63E-04	1.81E-07	5.47E-07	3.17E-07	3.88E-07	3.52E-07	1.61E-07	1.41E-07	6.05E-09	1.46E-07	3.23E-08	5.27E-08	8.36E-08	1.47E-08	9.31E-09	3.45E-07
1227	489385.89	3858976.54	5.06E-04	6.19E-04	5.44E-04	1.75E-07	5.29E-07	3.06E-07	3.75E-07	3.40E-07	1.55E-07	1.36E-07	5.85E-09	1.41E-07	3.12E-08	5.09E-08	8.08E-08	1.42E-08	9.00E-09	3.33E-07
1228	489435.89	3858976.54	4.90E-04	6.00E-04	5.27E-04	1.70E-07	5.12E-07	2.97E-07	3.63E-07	3.29E-07	1.50E-07	1.32E-07	5.67E-09	1.37E-07	3.02E-08	4.93E-08	7.82E-08	1.38E-08	8.71E-09	3.23E-07
1229	489485.89	3858976.54	4.75E-04	5.82E-04	5.11E-04	1.65E-07	4.97E-07	2.88E-07	3.52E-07	3.19E-07	1.46E-07	1.28E-07	5.49E-09	1.33E-07	2.93E-08	4.78E-08	7.59E-08	1.34E-08	8.45E-09	3.13E-07
1230	489535.89	3858976.54	4.61E-04	5.65E-04	4.97E-04	1.60E-07	4.83E-07	2.79E-07	3.42E-07	3.10E-07	1.42E-07	1.24E-07	5.34E-09	1.29E-07	2.85E-08	4.65E-08	7.37E-08	1.30E-08	8.21E-09	3.04E-07
1231	489585.89	3858976.54	4.49E-04	5.50E-04	4.83E-04	1.56E-07	4.70E-07	2.72E-07	3.33E-07	3.02E-07	1.38E-07	1.21E-07	5.19E-09	1.25E-07	2.77E-08	4.52E-08	7.17E-08	1.26E-08	7.99E-09	2.96E-07
1232	489635.89	3858976.54	4.37E-04	5.36E-04	4.71E-04	1.52E-07	4.58E-07	2.65E-07	3.25E-07	2.94E-07	1.34E-07	1.18E-07	5.06E-09	1.22E-07	2.70E-08	4.41E-08	6.99E-08	1.23E-08	7.78E-09	2.88E-07
1233	489685.89	3858976.54	4.27E-04	5.23E-04	4.59E-04	1.48E-07	4.47E-07	2.59E-07	3.17E-07	2.87E-07	1.31E-07	1.15E-07	4.94E-09	1.19E-07	2.63E-08	4.30E-08	6.82E-08	1.20E-08	7.59E-09	2.81E-07
1234	489735.89	3858976.54	4.17E-04	5.11E-04	4.49E-04	1.45E-07	4.37E-07	2.53E-07	3.10E-07	2.81E-07	1.28E-07	1.13E-07	4.83E-09	1.17E-07	2.57E-08	4.21E-08	6.67E-08	1.18E-08	7.42E-09	2.75E-07
1235	489785.89	3858976.54	4.09E-04	5.01E-04	4.40E-04	1.42E-07	4.28E-07	2.48E-07	3.03E-07	2.75E-07	1.25E-07	1.10E-07	4.73E-09	1.14E-07	2.52E-08	4.12E-08	6.53E-08	1.15E-08	7.27E-09	2.69E-07
1236	489835.89	3858976.54	4.01E-04	4.91E-04	4.31E-04	1.39E-07	4.19E-07	2.43E-07	2.97E-07	2.70E-07	1.23E-07	1.08E-07	4.64E-09	1.12E-07	2.47E-08	4.04E-08	6.41E-08	1.13E-08	7.13E-09	2.64E-07
1237	489885.89	3858976.54	3.94E-04	4.82E-04	4.23E-04	1.36E-07	4.12E-07	2.38E-07	2.92E-07	2.65E-07	1.21E-07	1.06E-07	4.55E-09	1.10E-07	2.43E-08	3.96E-08	6.29E-08	1.11E-08	7.00E-09	2.59E-07
1238	489935.89	3858976.54	3.86E-04	4.73E-04	4.16E-04	1.34E-07	4.04E-07	2.34E-07	2.87E-07	2.60E-07	1.19E-07	1.04E-07	4.47E-09	1.08E-07	2.38E-08	3.89E-08	6.18E-08	1.09E-08	6.87E-09	2.55E-07
1239	489985.89	3858976.54	3.80E-04	4.65E-04	4.09E-04	1.32E-07	3.98E-07	2.30E-07	2.82E-07	2.56E-07	1.17E-07	1.02E-07	4.40E-09	1.06E-07	2.34E-08	3.83E-08	6.07E-08	1.07E-08	6.75E-09	2.50E-07
1240	490035.89	3858976.54	3.73E-04	4.57E-04	4.01E-04	1.29E-07	3.90E-07	2.26E-07	2.77E-07	2.51E-07	1.15E-07	1.01E-07	4.32E-09	1.04E-07	2.30E-08	3.76E-08	5.96E-08	1.05E-08	6.63E-09	2.46E-07
1241	489385.89	3859026.54	4.49E-04	5.50E-04	4.84E-04	1.56E-07	4.70E-07	2.72E-07	3.33E-07	3.02E-07	1.38E-07	1.21E-07	5.20E-09	1.26E-07	2.77E-08	4.53E-08	7.18E-08	1.27E-08	7.99E-09	2.96E-07
1242	489435.89	3859026.54	4.39E-04	5.38E-04	4.73E-04	1.52E-07	4.60E-07	2.66E-07	3.26E-07	2.96E-07	1.35E-07	1.19E-07	5.08E-09	1.23E-07	2.71E-08	4.43E-08	7.02E-08	1.24E-08	7.82E-09	2.90E-07
1243	489485.89	3859026.54	4.30E-04	5.26E-04	4.63E-04	1.49E-07	4.50E-07	2.60E-07	3.19E-07	2.89E-07	1.32E-07	1.16E-07	4.97E-09	1.20E-07	2.65E-08	4.33E-08	6.87E-08	1.21E-08	7.65E-09	2.83E-07
1244	489535.89	3859026.54	4.21E-04	5.15E-04	4.53E-04	1.46E-07	4.40E-07	2.55E-07	3.12E-07	2.83E-07	1.29E-07	1.13E-07	4.87E-09	1.18E-07	2.59E-08	4.24E-08	6.72E-08	1.18E-08	7.48E-09	2.77E-07
1245	489585.89	3859026.54	4.12E-04	5.04E-04	4.43E-04	1.43E-07	4.31E-07	2.49E-07	3.06E-07	2.77E-07	1.26E-07	1.11E-07	4.76E-09	1.15E-07	2.54E-08	4.15E-08	6.58E-08	1.16E-08	7.32E-09	2.71E-07
1246	489635.89	3859026.54	4.03E-04	4.94E-04	4.34E-04	1.40E-07	4.22E-07	2.44E-07	2.99E-07	2.71E-07	1.24E-07	1.09E-07	4.67E-09	1.13E-07	2.49E-08	4.06E-08	6.45E-08	1.14E-08	7.17E-09	2.66E-07
1247	489685.89	3859026.54	3.95E-04	4.84E-04	4.25E-04	1.37E-07	4.14E-07	2.40E-07	2.93E-07	2.66E-07	1.21E-07	1.07E-07	4.58E-09	1.11E-07	2.44E-08	3.98E-08	6.32E-08	1.11E-08	7.03E-09	2.61E-07
1248	489735.89	3859026.54	3.88E-04	4.75E-04	4.17E-04	1.34E-07	4.06E-07	2.35E-07	2.88E-07	2.61E-07	1.19E-07	1.05E-07	4.49E-09	1.08E-07	2.39E-08	3.91E-08	6.20E-08	1.09E-08	6.90E-09	2.56E-07
1249	489785.89	3859026.54	3.81E-04	4.67E-04	4.10E-04	1.32E-07	3.99E-07	2.31E-07	2.83E-07	2.56E-07	1.17E-07	1.03E-07	4.41E-09	1.07E-07	2.35E-08	3.84E-08	6.09E-08	1.07E-08	6.78E-09	2.51E-07
1250	489835.89	3859026.54	3.75E-04	4.59E-04	4.03E-04	1.30E-07	3.92E-07	2.27E-07	2.78E-07	2.52E-07	1.15E-07	1.01E-07	4.34E-09	1.05E-07	2.31E-08	3.77E-08	5.99E-08	1.06E-08	6.66E-09	2.47E-07
1251	489885.89	3859026.54	3.69E-04	4.52E-04	3.97E-04	1.28E-07	3.86E-07	2.23E-07	2.74E-07	2.48E-07	1.13E-07	9.94E-08	4.27E-09	1.03E-07	2.27E-08	3.72E-08	5.89E-08	1.04E-08	6.56E-09	2.43E-07
1252	489935.89	3859026.54	3.63E-04	4.45E-04	3.91E-04	1.26E-07	3.80E-07	2.20E-07	2.70E-07	2.44E-07	1.11E-07	9.79E-08	4.20E-09	1.02E-07	2.24E-08	3.66E-08	5.80E-08	1.02E-08	6.46E-09	2.39E-07
1253	489985.89	3859026.54	3.58E-04	4.38E-04	3.85E-04	1.24E-07	3.74E-07	2.17E-07	2.66E-07	2.41E-07	1.10E-07	9.64E-08	4.14E-09	1.00E-07	2.21E-08	3.61E-08	5.72E-08	1.01E-08	6.36E-09	2.36E-07
1254	490035.89	3859026.54	3.52E-04	4.31E-04	3.79E-04	1.22E-07	3.68E-07	2.13E-07	2.61E-07	2.37E-07	1.08E-07	9.48E-08	4.07E-09	9.84E-08	2.17E-08	3.55E-08	5.63E-08	9.91E-09	6.26E-09	2.32E-07
1255	489485.89	3859076.54	3.89E-04	4.76E-04	4.19E-04	1.35E-07	4.07E-07	2.36E-07	2.89E-07	2.62E-07	1.19E-07	1.05E-07	4.50E-09	1.09E-07	2.40E-08	3.92E-08	6.22E-08	1.10E-08	6.92E-09	2.56E-07
1256	489535.89	3859076.54	3.83E-04	4.69E-04	4.12E-04	1.33E-07	4.01E-07	2.32E-07	2.84E-07	2.58E-07	1.18E-07	1.03E-07	4.43E-09	1.07E-07	2.36E-08	3.86E-08	6.12E-08	1.08E-08	6.81E-09	2.52E-07
1257	489585.89	3859076.54	3.77E-04	4.62E-04	4.06E-04	1.31E-07	3.95E-07	2.28E-07	2.80E-07	2.54E-07	1.16E-07	1.02E-07	4.36E-09	1.05E-07	2.33E-08	3.80E-08	6.03E-08	1.06E-08	6.71E-09	2.49E-07
1258	489635.89	3859076.54	3.71E-04	4.55E-04	3.99E-04	1.29E-07	3.88E-07	2.25E-07	2.75E-07	2.50E-07	1.14E-07	1.00E-07	4.30E-09	1.04E-07	2.29E-08	3.74E-08	5.93E-08	1.05E-08	6.60E-09	2.45E-07
1259	489685.89	3859076.54	3.65E-04	4.48E-04	3.93E-04	1.27E-07	3.82E-07	2.21E-07	2.71E-07	2.46E-07	1.12E-07	9.85E-08	4.23E-09	1.02E-07	2.25E-08	3.68E-08	5.84E-08	1.03E-08	6.50E-09	2.41E-07
1260	489735.89	3859076.54	3.60E-04	4.41E-04	3.87E-04	1.25E-07	3.77E-07	2.18E-07	2.67E-07	2.42E-07	1.10E-07	9.70E-08	4.17E-09	1.01E-07	2.22E-08	3.63E-08	5.75E-08	1.01E-08	6.40E-09	2.37E-07
1261	489785.89	3859076.54	3.55E-04	4.35E-04	3.82E-04	1.23E-07	3.71E-07	2.15E-07	2.63E-07	2.39E-07	1.09E-07	9.56E-08	4.11E-09	9.92E-08	2.19E-08	3.57E-08	5.67E-08	9.99E-09	6.31E-09	2.34E-07
1262	489835.89	3859076.54	3.50E-04	4.28E-04	3.76E-04	1.21E-07	3.66E-07	2.12E-07	2.59E-07	2.35E-07	1.07E-07	9.42E-08	4.05E-09	9.77E-08	2.16E-08	3.52E-08	5.59E-08	9.85E-09	6.22E-09	2.31E-07
1263	489885.89	3859076.54	3.45E-04	4.22E-04	3.71E-04	1.19E-07	3.61E-07	2.09E-07	2.56E-07	2.32E-07	1.06E-07	9.29E-08	3.99E-09	9.64E-08	2.13E-08	3.47E-08	5.51E-08	9.71E-09	6.13E-09	2.27E-07
1264	489935.89	3859076.54	3.40E-04	4.17E-04	3.66E-04	1.18E-07	3.56E-07	2.06E-07	2.53E-07	2.29E-07	1.04E-07	9.17E-08	3.94E-09	9.52E-08	2.10E-08	3.43E-08	5.44E-08	9.59E-09	6.05E-09	2.24E-07
1265	489985.89	3859076.54	3.36E-04	4.12E-04	3.62E-04	1.17E-07	3.52E-07	2.04E-07	2.50E-07	2.26E-07	1.03E-07	9.06E-08	3.89E-09	9.40E-08	2.07E-08	3.39E-08	5.38E-08	9.47E-09	5.98E-09	2.22E-07
1266	490035.89	3859076.54	3.32E-04	4.06E-04	3.57E-04	1.15E-07	3.47E-07	2.01E-07	2.46E-07	2.23E-07	1.02E-07	8.94E-08	3.84E-09	9.28E-08	2.05E-08	3.34E-08	5.30E-08	9.35E-09	5.90E-09	2.19E-07
1267	489585.89	3859126.54	3.46E-04	4.24E-04	3.72E-04	1.20E-07	3.62E-07	2.09E-07	2.57E-07	2.33E-07	1.06E-07	9.32E-08	4.00E-09	9.67E-08	2.13E-08	3.48E-08	5.53E-08	9.74E-09	6.15E-09	2.28E-07
1268	489635.89	3859126.54	3.42E-04	4.19E-04	3.68E-04	1.18E-07	3.58E-07	2.07E-07	2.54E-07	2.30E-07	1.05E-07	9.22E-08	3.96E-09	9.56E-08	2.11E-08	3.44E-08	5.46E-08	9.63E-09	6.08E-09	2.25E-07
1269	489685.89	3859126.54	3.38E-04	4.14E-04	3.64E-04	1.17E-07	3.54E-07	2.05E-07	2.51E-07	2.27E-07	1.04E-07	9.11E-08	3.91E-09	9.44E-08	2.08E-08	3.40E-08	5.40E-08	9.52E-09	6.01E-09	2.23E-07
1270	489735.89	3859126.54	3.34E-04	4.09E-04	3.59E-04	1.16E-07	3.49E-07	2.02E-07	2.48E-07	2.25E-07	1.02E-07	9.00E-08	3.86E-09	9.33E-08	2.06E-08	3.36E-08	5.34E-08	9.41E-09	5.94E-09	2.20E-07
1271	489785.89	3859126.54	3.30E-04	4.04E-04	3.55E-04	1.14E-07	3.45E-07	2.00E-07	2.45E-07	2.22E-07	1.01E-07	8.90E-08	3.82E-09	9.23E-08	2.04E-08	3.33E-08	5.28E-08	9.30E-09	5.87E-09	2.18E-07
1272	489835.89	3859126.54	3.26E-04	4.00E-04	3.51E-04	1.13E-07	3.41E-07	1.98E-07	2.42E-07	2.20E-07	1.00E-07	8.80E-08	3.78E-09	9.12E-08	2.01E-08	3.29E-08	5.22E-08	9.19E-09	5.80E-09	2.15E-07
1273	489885.89	3859126.54	3.23E-04	3.95E-04	3.47E-04	1.12E-07	3.37E-07	1.95E-07	2.39E-07	2.17E-07	9.90E-08	8.69E-08	3.73E-09	9.02E-08	1.99E-08	3.25E-08	5.15E-08	9.08E-09	5.73E-09	2.13E-07
1274	489935.89	3859126.54	3.19E-04	3.91E-04	3.43E-04	1.11E-07	3.34E-07	1.93E-07	2.37E-07	2.15E-07	9.79E-08	8.60E-08	3.69E-09	8.92E-08	1.97E-08	3.21E-08	5.10E-08	8.99E-09	5.67E-09	2.10E-07

1275	489985.89	3859126.54	3.16E-04	3.87E-04	3.39E-04	1.09E-07	3.30E-07	1.91E-07	2.34E-07	2.12E-07	9.69E-08	8.51E-08	3.65E-09	8.82E-08	1.95E-08	3.18E-08	5.05E-08	8.89E-09	5.61E-09	2.08E-07
1276	490035.89	3859126.54	3.12E-04	3.83E-04	3.36E-04	1.08E-07	3.27E-07	1.89E-07	2.32E-07	2.10E-07	9.59E-08	8.42E-08	3.61E-09	8.73E-08	1.93E-08	3.15E-08	4.99E-08	8.80E-09	5.55E-09	2.06E-07
1277	489585.89	3859176.54	3.18E-04	3.90E-04	3.42E-04	1.10E-07	3.33E-07	1.93E-07	2.36E-07	2.14E-07	9.77E-08	8.58E-08	3.68E-09	8.89E-08	1.96E-08	3.21E-08	5.09E-08	8.96E-09	5.66E-09	2.10E-07
1278	489635.89	3859176.54	3.16E-04	3.87E-04	3.40E-04	1.09E-07	3.30E-07	1.91E-07	2.34E-07	2.12E-07	9.69E-08	8.51E-08	3.65E-09	8.83E-08	1.95E-08	3.18E-08	5.05E-08	8.89E-09	5.61E-09	2.08E-07
1279	489685.89	3859176.54	3.13E-04	3.83E-04	3.37E-04	1.08E-07	3.28E-07	1.90E-07	2.32E-07	2.11E-07	9.61E-08	8.44E-08	3.62E-09	8.75E-08	1.93E-08	3.15E-08	5.00E-08	8.82E-09	5.57E-09	2.06E-07
1280	489735.89	3859176.54	3.10E-04	3.80E-04	3.34E-04	1.08E-07	3.25E-07	1.88E-07	2.30E-07	2.09E-07	9.52E-08	8.36E-08	3.59E-09	8.67E-08	1.91E-08	3.13E-08	4.96E-08	8.74E-09	5.52E-09	2.05E-07
1281	489785.89	3859176.54	3.08E-04	3.77E-04	3.31E-04	1.07E-07	3.22E-07	1.86E-07	2.28E-07	2.07E-07	9.44E-08	8.29E-08	3.56E-09	8.60E-08	1.90E-08	3.10E-08	4.92E-08	8.66E-09	5.47E-09	2.03E-07
1282	489835.89	3859176.54	3.05E-04	3.73E-04	3.28E-04	1.06E-07	3.19E-07	1.85E-07	2.26E-07	2.05E-07	9.36E-08	8.22E-08	3.53E-09	8.52E-08	1.88E-08	3.07E-08	4.87E-08	8.59E-09	5.42E-09	2.01E-07
1283	489885.89	3859176.54	3.02E-04	3.70E-04	3.25E-04	1.05E-07	3.16E-07	1.83E-07	2.24E-07	2.03E-07	9.27E-08	8.14E-08	3.50E-09	8.45E-08	1.86E-08	3.04E-08	4.83E-08	8.51E-09	5.37E-09	1.99E-07
1284	489935.89	3859176.54	2.99E-04	3.67E-04	3.22E-04	1.04E-07	3.13E-07	1.81E-07	2.22E-07	2.01E-07	9.19E-08	8.07E-08	3.46E-09	8.37E-08	1.85E-08	3.02E-08	4.78E-08	8.43E-09	5.32E-09	1.97E-07
1285	489985.89	3859176.54	2.97E-04	3.63E-04	3.19E-04	1.03E-07	3.10E-07	1.80E-07	2.20E-07	1.99E-07	9.10E-08	7.99E-08	3.43E-09	8.29E-08	1.83E-08	2.99E-08	4.74E-08	8.35E-09	5.27E-09	1.96E-07
1286	490035.89	3859176.54	2.94E-04	3.60E-04	3.16E-04	1.02E-07	3.08E-07	1.78E-07	2.18E-07	1.98E-07	9.03E-08	7.92E-08	3.40E-09	8.22E-08	1.81E-08	2.96E-08	4.70E-08	8.28E-09	5.23E-09	1.94E-07
1287	489685.89	3859226.54	2.91E-04	3.56E-04	3.13E-04	1.01E-07	3.04E-07	1.76E-07	2.16E-07	1.96E-07	8.93E-08	7.84E-08	3.37E-09	8.13E-08	1.79E-08	2.93E-08	4.65E-08	8.19E-09	5.17E-09	1.92E-07
1288	489735.89	3859226.54	2.89E-04	3.54E-04	3.11E-04	1.00E-07	3.02E-07	1.75E-07	2.14E-07	1.94E-07	8.87E-08	7.79E-08	3.35E-09	8.08E-08	1.78E-08	2.91E-08	4.62E-08	8.14E-09	5.14E-09	1.91E-07
1289	489785.89	3859226.54	2.87E-04	3.52E-04	3.09E-04	9.95E-08	3.01E-07	1.74E-07	2.13E-07	1.93E-07	8.81E-08	7.74E-08	3.32E-09	8.03E-08	1.77E-08	2.89E-08	4.59E-08	8.09E-09	5.10E-09	1.89E-07
1290	489835.89	3859226.54	2.85E-04	3.50E-04	3.07E-04	9.89E-08	2.99E-07	1.73E-07	2.12E-07	1.92E-07	8.76E-08	7.69E-08	3.30E-09	7.98E-08	1.76E-08	2.87E-08	4.56E-08	8.04E-09	5.07E-09	1.88E-07
1291	489885.89	3859226.54	2.83E-04	3.47E-04	3.05E-04	9.82E-08	2.97E-07	1.72E-07	2.10E-07	1.91E-07	8.70E-08	7.64E-08	3.28E-09	7.92E-08	1.75E-08	2.86E-08	4.53E-08	7.98E-09	5.04E-09	1.87E-07
1292	489935.89	3859226.54	2.81E-04	3.45E-04	3.03E-04	9.75E-08	2.94E-07	1.70E-07	2.09E-07	1.89E-07	8.64E-08	7.58E-08	3.26E-09	7.87E-08	1.74E-08	2.83E-08	4.50E-08	7.93E-09	5.00E-09	1.86E-07
1293	489985.89	3859226.54	2.79E-04	3.42E-04	3.00E-04	9.67E-08	2.92E-07	1.69E-07	2.07E-07	1.88E-07	8.56E-08	7.52E-08	3.23E-09	7.80E-08	1.72E-08	2.81E-08	4.46E-08	7.86E-09	4.96E-09	1.84E-07
1294	490035.89	3859226.54	2.77E-04	3.39E-04	2.98E-04	9.60E-08	2.90E-07	1.68E-07	2.06E-07	1.86E-07	8.50E-08	7.47E-08	3.21E-09	7.75E-08	1.71E-08	2.79E-08	4.43E-08	7.80E-09	4.92E-09	1.83E-07
1295	489735.89	3859276.54	2.70E-04	3.31E-04	2.90E-04	9.36E-08	2.82E-07	1.64E-07	2.00E-07	1.82E-07	8.28E-08	7.27E-08	3.12E-09	7.55E-08	1.67E-08	2.72E-08	4.31E-08	7.60E-09	4.80E-09	1.78E-07
1296	489785.89	3859276.54	2.69E-04	3.29E-04	2.89E-04	9.31E-08	2.81E-07	1.63E-07	1.99E-07	1.81E-07	8.25E-08	7.24E-08	3.11E-09	7.51E-08	1.66E-08	2.71E-08	4.30E-08	7.57E-09	4.78E-09	1.77E-07
1297	489835.89	3859276.54	2.68E-04	3.28E-04	2.88E-04	9.28E-08	2.80E-07	1.62E-07	1.99E-07	1.80E-07	8.21E-08	7.21E-08	3.10E-09	7.48E-08	1.65E-08	2.70E-08	4.28E-08	7.54E-09	4.76E-09	1.76E-07
1298	489885.89	3859276.54	2.66E-04	3.26E-04	2.86E-04	9.23E-08	2.79E-07	1.61E-07	1.98E-07	1.79E-07	8.17E-08	7.17E-08	3.08E-09	7.44E-08	1.64E-08	2.68E-08	4.26E-08	7.50E-09	4.73E-09	1.76E-07
1299	489935.89	3859276.54	2.65E-04	3.25E-04	2.85E-04	9.18E-08	2.77E-07	1.61E-07	1.97E-07	1.78E-07	8.13E-08	7.14E-08	3.07E-09	7.41E-08	1.63E-08	2.67E-08	4.24E-08	7.46E-09	4.71E-09	1.75E-07
1300	489985.89	3859276.54	2.63E-04	3.22E-04	2.83E-04	9.12E-08	2.75E-07	1.59E-07	1.95E-07	1.77E-07	8.08E-08	7.09E-08	3.05E-09	7.36E-08	1.62E-08	2.65E-08	4.21E-08	7.41E-09	4.68E-09	1.74E-07
1301	490035.89	3859276.54	2.62E-04	3.21E-04	2.81E-04	9.07E-08	2.74E-07	1.59E-07	1.94E-07	1.76E-07	8.03E-08	7.05E-08	3.03E-09	7.32E-08	1.61E-08	2.64E-08	4.18E-08	7.37E-09	4.65E-09	1.73E-07
1302	490458.06	3859590.74	1.87E-04	2.29E-04	2.01E-04	6.47E-08	1.95E-07	1.13E-07	1.39E-07	1.26E-07	5.73E-08	5.03E-08	2.16E-09	5.22E-08	1.15E-08	1.88E-08	2.98E-08	5.26E-09	3.32E-09	1.23E-07
1303	490508.06	3859590.74	1.87E-04	2.29E-04	2.01E-04	6.47E-08	1.95E-07	1.13E-07	1.39E-07	1.26E-07	5.73E-08	5.03E-08	2.16E-09	5.22E-08	1.15E-08	1.88E-08	2.98E-08	5.26E-09	3.32E-09	1.23E-07
1304	490558.06	3859590.74	1.87E-04	2.29E-04	2.01E-04	6.48E-08	1.96E-07	1.13E-07	1.39E-07	1.26E-07	5.74E-08	5.03E-08	2.16E-09	5.22E-08	1.15E-08	1.88E-08	2.99E-08	5.26E-09	3.32E-09	1.23E-07
1305	490608.06	3859590.74	1.87E-04	2.29E-04	2.01E-04	6.47E-08	1.95E-07	1.13E-07	1.39E-07	1.26E-07	5.73E-08	5.03E-08	2.16E-09	5.22E-08	1.15E-08	1.88E-08	2.99E-08	5.26E-09	3.32E-09	1.23E-07
1306	490658.06	3859590.74	1.87E-04	2.29E-04	2.01E-04	6.47E-08	1.95E-07	1.13E-07	1.38E-07	1.26E-07	5.73E-08	5.02E-08	2.16E-09	5.22E-08	1.15E-08	1.88E-08	2.98E-08	5.26E-09	3.31E-09	1.23E-07
1307	490708.06	3859590.74	1.86E-04	2.28E-04	2.00E-04	6.46E-08	1.95E-07	1.13E-07	1.38E-07	1.25E-07	5.72E-08	5.02E-08	2.16E-09	5.21E-08	1.15E-08	1.88E-08	2.98E-08	5.25E-09	3.31E-09	1.23E-07
1308	490758.06	3859590.74	1.86E-04	2.28E-04	2.00E-04	6.45E-08	1.95E-07	1.13E-07	1.38E-07	1.25E-07	5.71E-08	5.01E-08	2.15E-09	5.20E-08	1.15E-08	1.87E-08	2.97E-08	5.24E-09	3.30E-09	1.23E-07
1309	490808.06	3859590.74	1.86E-04	2.27E-04	1.99E-04	6.43E-08	1.94E-07	1.12E-07	1.38E-07	1.25E-07	5.70E-08	5.00E-08	2.15E-09	5.19E-08	1.15E-08	1.87E-08	2.97E-08	5.23E-09	3.30E-09	1.22E-07
1310	490858.06	3859590.74	1.85E-04	2.27E-04	1.99E-04	6.42E-08	1.94E-07	1.12E-07	1.37E-07	1.25E-07	5.68E-08	4.99E-08	2.14E-09	5.18E-08	1.14E-08	1.87E-08	2.96E-08	5.22E-09	3.29E-09	1.22E-07
1311	490458.06	3859640.74	1.79E-04	2.19E-04	1.92E-04	6.19E-08	1.87E-07	1.08E-07	1.32E-07	1.20E-07	5.48E-08	4.81E-08	2.07E-09	4.99E-08	1.10E-08	1.80E-08	2.85E-08	5.03E-09	3.17E-09	1.18E-07
1312	490508.06	3859640.74	1.79E-04	2.19E-04	1.92E-04	6.19E-08	1.87E-07	1.08E-07	1.33E-07	1.20E-07	5.48E-08	4.81E-08	2.07E-09	4.99E-08	1.10E-08	1.80E-08	2.85E-08	5.03E-09	3.17E-09	1.18E-07
1313	490558.06	3859640.74	1.79E-04	2.19E-04	1.92E-04	6.19E-08	1.87E-07	1.08E-07	1.33E-07	1.20E-07	5.48E-08	4.81E-08	2.07E-09	4.99E-08	1.10E-08	1.80E-08	2.86E-08	5.03E-09	3.17E-09	1.18E-07
1314	490608.06	3859640.74	1.79E-04	2.19E-04	1.92E-04	6.20E-08	1.87E-07	1.08E-07	1.33E-07	1.20E-07	5.49E-08	4.82E-08	2.07E-09	5.00E-08	1.10E-08	1.80E-08	2.86E-08	5.04E-09	3.18E-09	1.18E-07
1315	490658.06	3859640.74	1.79E-04	2.19E-04	1.93E-04	6.21E-08	1.87E-07	1.09E-07	1.33E-07	1.21E-07	5.50E-08	4.82E-08	2.07E-09	5.01E-08	1.11E-08	1.80E-08	2.86E-08	5.05E-09	3.18E-09	1.18E-07
1316	490708.06	3859640.74	1.79E-04	2.19E-04	1.92E-04	6.21E-08	1.87E-07	1.08E-07	1.33E-07	1.20E-07	5.50E-08	4.82E-08	2.07E-09	5.01E-08	1.10E-08	1.80E-08	2.86E-08	5.04E-09	3.18E-09	1.18E-07
1317	490758.06	3859640.74	1.79E-04	2.19E-04	1.92E-04	6.20E-08	1.87E-07	1.08E-07	1.33E-07	1.20E-07	5.49E-08	4.82E-08	2.07E-09	5.00E-08	1.10E-08	1.80E-08	2.86E-08	5.04E-09	3.18E-09	1.18E-07
1318	490808.06	3859640.74	1.79E-04	2.19E-04	1.92E-04	6.19E-08	1.87E-07	1.08E-07	1.33E-07	1.20E-07	5.48E-08	4.81E-08	2.07E-09	4.99E-08	1.10E-08	1.80E-08	2.86E-08	5.03E-09	3.17E-09	1.18E-07
1319	490858.06	3859640.74	1.78E-04	2.19E-04	1.92E-04	6.18E-08	1.87E-07	1.08E-07	1.32E-07	1.20E-07	5.47E-08	4.80E-08	2.06E-09	4.99E-08	1.10E-08	1.80E-08	2.85E-08	5.02E-09	3.17E-09	1.18E-07
1320	490608.06	3859690.74	1.71E-04	2.10E-04	1.84E-04	5.94E-08	1.79E-07	1.04E-07	1.27E-07	1.15E-07	5.26E-08	4.62E-08	1.98E-09	4.79E-08	1.06E-08	1.73E-08	2.74E-08	4.83E-09	3.05E-09	1.13E-07
1321	490658.06	3859690.74	1.72E-04	2.11E-04	1.85E-04	5.96E-08	1.80E-07	1.04E-07	1.28E-07	1.16E-07	5.28E-08	4.63E-08	1.99E-09	4.81E-08	1.06E-08	1.73E-08	2.75E-08	4.84E-09	3.05E-09	1.13E-07
1322	490708.06	3859690.74	1.72E-04	2.11E-04	1.85E-04	5.96E-08	1.80E-07	1.04E-07	1.28E-07	1.16E-07	5.28E-08	4.63E-08	1.99E-09	4.81E-08	1.06E-08	1.73E-08	2.75E-08	4.85E-09	3.06E-09	1.13E-07
1323	490758.06	3859690.74	1.72E-04	2.11E-04	1.85E-04	5.96E-08	1.80E-07	1.04E-07	1.28E-07	1.16E-07	5.28E-08	4.63E-08	1.99E-09	4.81E-08	1.06E-08	1.73E-08	2.75E-08	4.85E-09	3.06E-09	1.13E-07
1324	490808.06	3859690.74	1.72E-04	2.11E-04	1.85E-04	5.96E-08	1.80E-07	1.04E-07	1.28E-07	1.16E-07	5.28E-08	4.63E-08	1.99E-09	4.81E-08	1.06E-08	1.73E-08	2.75E-08	4.84E-09	3.05E-09	1.13E-07
1325	490858.06	3859690.74	1.72E-04	2.10E-04	1.85E-04	5.95E-08	1.80E-07	1.04E-07	1.27E-07	1.16E-07	5.27E-08	4.62E-08	1.99E-09	4.80E-08	1.06E-08	1.73E-08	2.74E-08	4.84E-09	3.05E-09	1.13E-07
1326	490708.06	3859740.74	1.65E-04	2.02E-04	1.77E-04	5.72E-08	1.73E-07	1.00E-07	1.23E-07	1.11E-07	5.07E-08	4.45E-08	1.91E-09	4.62E-08	1.02E-08	1.66E-08	2.64E-08	4.65E-09	2.93E-09	1.09E-07
1327	490758.06	3859740.74	1.65E-04	2.02E-04	1.78E-04	5.73E-08	1.73E-07	1.00E-07	1.23E-07	1.11E-07	5.07E-08	4.45E-08	1.91E-09	4.62E-08	1.02E-08	1.66E-08	2.64E-08	4.65E-09	2.93E-09	1.09E-07
1328	490808.06	3859740.74	1.65E-04	2.03E-04	1.78E-04	5.73E-08	1.73E-07	1.00E-07	1.23E-07	1.11E-07	5.07E-08	4.45E-08	1.91E-09	4.62E-08	1.02E-08	1.67E-08	2.64E-08	4.66E-09	2.94E-09	1.09E-07
1329	490858.06	3859740.74	1.65E-04	2.02E-04	1.78E-04	5.73E-08	1.73E-07	1.00E-07	1.23E-07	1.11E-07	5.07E-08	4.45E-08	1.91E-09	4.62E-08	1.02E-08	1.66E-08	2.64E-08	4.65E-09	2.93E-09	1.09E-07
1330	490786.56	3859749.39	1.64E-04	2.01E-04	1.76E-04	5.69E-08	1.72E-07	9.94E-08	1.22E-07	1.10E-07	5.04E-08	4.42E-08	1.90E-09	4.59E-08	1.01E-08	1.65E-08	2.62E-08	4.62E-09	2.91E-09	1.08E-07
1331	490836.56	3859749.39	1.64E-04	2.01E-04	1.76E-04	5.69E-08	1.72E-07	9.95E-08	1.22E-07	1.10E-07	5.04E-08	4.42E-08	1.90E-09	4.59E-08	1.01E-08	1.65E-08	2.62E-08	4.62E-09	2.92E-09	1.08E-07
1332	490786.56	3859799.39	1.57E-04	1.93E-04	1.69E-04	5.46E-08	1.65E-07	9.54E-08	1.17E-07	1.06E-07	4.83E-08	4.24E-08	1.82E-09	4.40E-08	9.71E-09	1.59E-08	2.52E-08	4.43E-09	2.80E-09	1.04E-07
1333	490836.56	3859799.39	1.58E-04	1.93E-04	1.69E-04	5.47E-08	1.65E-07	9.55E-08	1.17E-07	1.06E-07	4.84E-08	4.25E-08	1.83E-09	4.41E-08	9.73E-09	1.59E-08	2.52E-08	4.44E-09	2.80E-09	1.04E-07
1334	492307.84	3854508.36	2.36E-04	2.89E-04	2.54E-04	8.18E-08	2.47E-07	1.43E-07	1.75E-07	1.59E-07	7.24E-08	6.35E-08	2.73E-09	6.60E-08	1.46E-08	2.38E-08	3.77E-08	6.65E-09	4.19E-09	1.56E-07
1335	486445.7	3854753.6	6.65E-04	8.15E-04	7.12E-04	2.31E-07	6.96E-07	4.03E-07	4.94E-07	4.48E-07	2.04E-07	1.79E-07	7.70E-09	1.86E-07	4.10E-08	6.70E-08	1.06E-07	1.87E-08	1.18E-08	4.39E-07

1336	472599.75	3877830.11	6.35E-06	7.78E-06	6.83E-06	2.20E-09	6.65E-09	3.85E-09	4.71E-09	4.27E-09	1.95E-09	1.71E-09	7.35E-11	1.78E-09	3.92E-10	6.40E-10	1.02E-09	1.79E-10	1.13E-10	4.19E-09
1337	493107.48	3866840.19	1.98E-05	2.42E-05	2.12E-05	6.86E-09	2.07E-08	1.20E-08	1.47E-08	1.33E-08	6.07E-09	5.32E-09	2.29E-10	5.53E-09	1.22E-09	1.99E-09	3.16E-09	5.57E-10	3.51E-10	1.30E-08
1338	495815.8	3861662.87	6.10E-05	7.47E-05	6.54E-05	2.11E-08	6.38E-08	3.69E-08	4.52E-08	4.10E-08	1.87E-08	1.64E-08	7.06E-10	1.70E-08	3.76E-09	6.14E-09	9.74E-09	1.72E-09	1.08E-09	4.02E-08
1339	480272.33	3841389.2	2.09E-06	2.55E-06	2.24E-06	7.23E-10	2.18E-09	1.26E-09	1.55E-09	1.40E-09	6.40E-10	5.61E-10	2.41E-11	5.83E-10	1.29E-10	2.10E-10	3.33E-10	5.87E-11	3.70E-11	1.37E-09
1340	497005.18	3862813.64	4.25E-05	5.21E-05	4.57E-05	1.47E-08	4.45E-08	2.58E-08	3.16E-08	2.86E-08	1.31E-08	1.14E-08	4.92E-10	1.19E-08	2.62E-09	4.29E-09	6.80E-09	1.20E-09	7.55E-10	2.80E-08
1341	493677.33	3860302.55	1.13E-04	1.39E-04	1.22E-04	3.93E-08	1.19E-07	6.87E-08	8.41E-08	7.62E-08	3.48E-08	3.05E-08	1.31E-09	3.17E-08	6.99E-09	1.14E-08	1.81E-08	3.19E-09	2.01E-09	7.47E-08
1342	493727.33	3860302.55	1.13E-04	1.39E-04	1.21E-04	3.92E-08	1.18E-07	6.85E-08	8.39E-08	7.61E-08	3.47E-08	3.04E-08	1.31E-09	3.16E-08	6.98E-09	1.14E-08	1.81E-08	3.19E-09	2.01E-09	7.46E-08
1343	493777.33	3860302.55	1.13E-04	1.38E-04	1.21E-04	3.91E-08	1.18E-07	6.84E-08	8.38E-08	7.59E-08	3.46E-08	3.04E-08	1.31E-09	3.16E-08	6.96E-09	1.14E-08	1.80E-08	3.18E-09	2.00E-09	7.44E-08
1344	493827.33	3860302.55	1.13E-04	1.38E-04	1.21E-04	3.91E-08	1.18E-07	6.83E-08	8.36E-08	7.58E-08	3.46E-08	3.03E-08	1.30E-09	3.15E-08	6.95E-09	1.14E-08	1.80E-08	3.17E-09	2.00E-09	7.43E-08
1345	493877.33	3860302.55	1.12E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.81E-08	8.34E-08	7.56E-08	3.45E-08	3.02E-08	1.30E-09	3.14E-08	6.93E-09	1.13E-08	1.80E-08	3.17E-09	1.99E-09	7.41E-08
1346	493927.33	3860302.55	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.79E-08	8.32E-08	7.54E-08	3.44E-08	3.02E-08	1.30E-09	3.13E-08	6.91E-09	1.13E-08	1.79E-08	3.16E-09	1.99E-09	7.39E-08
1347	493977.33	3860302.55	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.79E-08	8.31E-08	7.53E-08	3.44E-08	3.01E-08	1.30E-09	3.13E-08	6.91E-09	1.13E-08	1.79E-08	3.15E-09	1.99E-09	7.38E-08
1348	494027.33	3860302.55	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.77E-08	8.29E-08	7.52E-08	3.43E-08	3.01E-08	1.29E-09	3.12E-08	6.90E-09	1.13E-08	1.79E-08	3.15E-09	1.98E-09	7.37E-08
1349	493677.33	3860352.55	1.11E-04	1.36E-04	1.19E-04	3.84E-08	1.16E-07	6.71E-08	8.22E-08	7.45E-08	3.40E-08	2.98E-08	1.28E-09	3.10E-08	6.83E-09	1.12E-08	1.77E-08	3.12E-09	1.96E-09	7.30E-08
1350	493727.33	3860352.55	1.10E-04	1.35E-04	1.19E-04	3.83E-08	1.16E-07	6.69E-08	8.20E-08	7.43E-08	3.39E-08	2.97E-08	1.28E-09	3.09E-08	6.81E-09	1.11E-08	1.77E-08	3.11E-09	1.96E-09	7.28E-08
1351	493777.33	3860352.55	1.10E-04	1.35E-04	1.18E-04	3.82E-08	1.15E-07	6.68E-08	8.18E-08	7.41E-08	3.38E-08	2.96E-08	1.28E-09	3.08E-08	6.80E-09	1.11E-08	1.76E-08	3.10E-09	1.96E-09	7.27E-08
1352	493827.33	3860352.55	1.10E-04	1.35E-04	1.18E-04	3.81E-08	1.15E-07	6.66E-08	8.16E-08	7.40E-08	3.38E-08	2.96E-08	1.27E-09	3.08E-08	6.79E-09	1.11E-08	1.76E-08	3.10E-09	1.95E-09	7.25E-08
1353	493877.33	3860352.55	1.10E-04	1.35E-04	1.18E-04	3.81E-08	1.15E-07	6.66E-08	8.15E-08	7.39E-08	3.37E-08	2.96E-08	1.27E-09	3.07E-08	6.78E-09	1.11E-08	1.76E-08	3.10E-09	1.95E-09	7.24E-08
1354	493927.33	3860352.55	1.10E-04	1.34E-04	1.18E-04	3.81E-08	1.15E-07	6.65E-08	8.15E-08	7.38E-08	3.37E-08	2.95E-08	1.27E-09	3.07E-08	6.77E-09	1.11E-08	1.75E-08	3.09E-09	1.95E-09	7.24E-08
1355	493977.33	3860352.55	1.10E-04	1.34E-04	1.18E-04	3.80E-08	1.15E-07	6.65E-08	8.14E-08	7.38E-08	3.37E-08	2.95E-08	1.27E-09	3.07E-08	6.77E-09	1.11E-08	1.75E-08	3.09E-09	1.95E-09	7.23E-08
1356	494027.33	3860352.55	1.09E-04	1.34E-04	1.18E-04	3.79E-08	1.15E-07	6.63E-08	8.12E-08	7.36E-08	3.36E-08	2.94E-08	1.27E-09	3.06E-08	6.75E-09	1.10E-08	1.75E-08	3.08E-09	1.94E-09	7.22E-08
1357	493677.33	3860402.55	1.08E-04	1.32E-04	1.16E-04	3.74E-08	1.13E-07	6.54E-08	8.01E-08	7.26E-08	3.31E-08	2.91E-08	1.25E-09	3.02E-08	6.66E-09	1.09E-08	1.73E-08	3.04E-09	1.92E-09	7.12E-08
1358	493727.33	3860402.55	1.08E-04	1.32E-04	1.16E-04	3.74E-08	1.13E-07	6.53E-08	8.00E-08	7.25E-08	3.31E-08	2.90E-08	1.25E-09	3.01E-08	6.65E-09	1.09E-08	1.72E-08	3.04E-09	1.91E-09	7.11E-08
1359	493777.33	3860402.55	1.08E-04	1.32E-04	1.16E-04	3.74E-08	1.13E-07	6.53E-08	8.00E-08	7.25E-08	3.31E-08	2.90E-08	1.25E-09	3.01E-08	6.65E-09	1.09E-08	1.72E-08	3.04E-09	1.91E-09	7.11E-08
1360	493827.33	3860402.55	1.08E-04	1.32E-04	1.15E-04	3.73E-08	1.13E-07	6.51E-08	7.98E-08	7.23E-08	3.30E-08	2.89E-08	1.24E-09	3.01E-08	6.63E-09	1.08E-08	1.72E-08	3.03E-09	1.91E-09	7.09E-08
1361	493877.33	3860402.55	1.07E-04	1.31E-04	1.15E-04	3.72E-08	1.12E-07	6.50E-08	7.96E-08	7.22E-08	3.29E-08	2.89E-08	1.24E-09	3.00E-08	6.62E-09	1.08E-08	1.71E-08	3.02E-09	1.90E-09	7.07E-08
1362	493927.33	3860402.55	1.07E-04	1.31E-04	1.15E-04	3.72E-08	1.12E-07	6.50E-08	7.96E-08	7.22E-08	3.29E-08	2.89E-08	1.24E-09	3.00E-08	6.62E-09	1.08E-08	1.71E-08	3.02E-09	1.90E-09	7.07E-08
1363	493977.33	3860402.55	1.07E-04	1.32E-04	1.15E-04	3.72E-08	1.12E-07	6.51E-08	7.97E-08	7.22E-08	3.30E-08	2.89E-08	1.24E-09	3.00E-08	6.62E-09	1.08E-08	1.72E-08	3.02E-09	1.91E-09	7.08E-08
1364	494027.33	3860402.55	1.07E-04	1.31E-04	1.15E-04	3.71E-08	1.12E-07	6.49E-08	7.95E-08	7.20E-08	3.29E-08	2.88E-08	1.24E-09	2.99E-08	6.61E-09	1.08E-08	1.71E-08	3.02E-09	1.90E-09	7.06E-08
1365	493677.33	3860452.55	1.06E-04	1.29E-04	1.13E-04	3.66E-08	1.10E-07	6.39E-08	7.83E-08	7.10E-08	3.24E-08	2.84E-08	1.22E-09	2.95E-08	6.51E-09	1.06E-08	1.69E-08	2.97E-09	1.87E-09	6.96E-08
1366	493727.33	3860452.55	1.05E-04	1.29E-04	1.13E-04	3.65E-08	1.10E-07	6.37E-08	7.81E-08	7.08E-08	3.23E-08	2.83E-08	1.22E-09	2.94E-08	6.49E-09	1.06E-08	1.68E-08	2.96E-09	1.87E-09	6.94E-08
1367	493777.33	3860452.55	1.05E-04	1.29E-04	1.13E-04	3.64E-08	1.10E-07	6.36E-08	7.79E-08	7.06E-08	3.22E-08	2.83E-08	1.22E-09	2.94E-08	6.48E-09	1.06E-08	1.68E-08	2.96E-09	1.86E-09	6.92E-08
1368	493827.33	3860452.55	1.05E-04	1.29E-04	1.13E-04	3.64E-08	1.10E-07	6.36E-08	7.79E-08	7.06E-08	3.22E-08	2.83E-08	1.22E-09	2.94E-08	6.48E-09	1.06E-08	1.68E-08	2.96E-09	1.86E-09	6.92E-08
1369	493877.33	3860452.55	1.05E-04	1.29E-04	1.13E-04	3.64E-08	1.10E-07	6.36E-08	7.79E-08	7.06E-08	3.22E-08	2.82E-08	1.21E-09	2.93E-08	6.47E-09	1.06E-08	1.68E-08	2.96E-09	1.86E-09	6.92E-08
1370	493927.33	3860452.55	1.05E-04	1.29E-04	1.13E-04	3.64E-08	1.10E-07	6.36E-08	7.80E-08	7.07E-08	3.22E-08	2.83E-08	1.22E-09	2.94E-08	6.48E-09	1.06E-08	1.68E-08	2.96E-09	1.86E-09	6.93E-08
1371	493977.33	3860452.55	1.05E-04	1.28E-04	1.13E-04	3.64E-08	1.10E-07	6.35E-08	7.78E-08	7.05E-08	3.22E-08	2.82E-08	1.21E-09	2.93E-08	6.47E-09	1.06E-08	1.68E-08	2.95E-09	1.86E-09	6.91E-08
1372	494027.33	3860452.55	1.05E-04	1.28E-04	1.12E-04	3.63E-08	1.10E-07	6.34E-08	7.77E-08	7.04E-08	3.21E-08	2.82E-08	1.21E-09	2.93E-08	6.46E-09	1.05E-08	1.67E-08	2.95E-09	1.86E-09	6.90E-08
1373	493677.33	3860502.55	1.03E-04	1.26E-04	1.11E-04	3.57E-08	1.08E-07	6.24E-08	7.64E-08	6.93E-08	3.16E-08	2.77E-08	1.19E-09	2.88E-08	6.36E-09	1.04E-08	1.65E-08	2.90E-09	1.83E-09	6.79E-08
1374	493727.33	3860502.55	1.03E-04	1.26E-04	1.10E-04	3.56E-08	1.08E-07	6.23E-08	7.63E-08	6.91E-08	3.15E-08	2.77E-08	1.19E-09	2.87E-08	6.34E-09	1.04E-08	1.64E-08	2.90E-09	1.82E-09	6.78E-08
1375	493777.33	3860502.55	1.03E-04	1.26E-04	1.10E-04	3.56E-08	1.07E-07	6.22E-08	7.62E-08	6.91E-08	3.15E-08	2.76E-08	1.19E-09	2.87E-08	6.33E-09	1.03E-08	1.64E-08	2.89E-09	1.82E-09	6.77E-08
1376	493827.33	3860502.55	1.03E-04	1.26E-04	1.10E-04	3.55E-08	1.07E-07	6.21E-08	7.61E-08	6.90E-08	3.15E-08	2.76E-08	1.19E-09	2.87E-08	6.33E-09	1.03E-08	1.64E-08	2.89E-09	1.82E-09	6.76E-08
1377	493877.33	3860502.55	1.03E-04	1.26E-04	1.10E-04	3.56E-08	1.07E-07	6.21E-08	7.61E-08	6.90E-08	3.15E-08	2.76E-08	1.19E-09	2.87E-08	6.33E-09	1.03E-08	1.64E-08	2.89E-09	1.82E-09	6.76E-08
1378	493927.33	3860502.55	1.03E-04	1.26E-04	1.10E-04	3.56E-08	1.07E-07	6.22E-08	7.62E-08	6.90E-08	3.15E-08	2.76E-08	1.19E-09	2.87E-08	6.33E-09	1.03E-08	1.64E-08	2.89E-09	1.82E-09	6.77E-08
1379	493977.33	3860502.55	1.02E-04	1.25E-04	1.10E-04	3.55E-08	1.07E-07	6.21E-08	7.60E-08	6.89E-08	3.14E-08	2.76E-08	1.19E-09	2.86E-08	6.32E-09	1.03E-08	1.64E-08	2.89E-09	1.82E-09	6.75E-08
1380	494027.33	3860502.55	1.02E-04	1.25E-04	1.10E-04	3.55E-08	1.07E-07	6.20E-08	7.59E-08	6.88E-08	3.14E-08	2.75E-08	1.18E-09	2.86E-08	6.31E-09	1.03E-08	1.64E-08	2.88E-09	1.82E-09	6.75E-08
1381	493627.33	3860552.55	1.01E-04	1.23E-04	1.08E-04	3.49E-08	1.05E-07	6.10E-08	7.47E-08	6.77E-08	3.09E-08	2.71E-08	1.16E-09	2.81E-08	6.21E-09	1.01E-08	1.61E-08	2.83E-09	1.79E-09	6.64E-08
1382	493677.33	3860552.55	1.00E-04	1.23E-04	1.08E-04	3.48E-08	1.05E-07	6.08E-08	7.45E-08	6.75E-08	3.08E-08	2.70E-08	1.16E-09	2.81E-08	6.19E-09	1.01E-08	1.60E-08	2.83E-09	1.78E-09	6.62E-08
1383	493727.33	3860552.55	1.00E-04	1.23E-04	1.08E-04	3.47E-08	1.05E-07	6.07E-08	7.44E-08	6.74E-08	3.08E-08	2.70E-08	1.16E-09	2.80E-08	6.18E-09	1.01E-08	1.60E-08	2.82E-09	1.78E-09	6.61E-08
1384	493777.33	3860552.55	1.00E-04	1.23E-04	1.08E-04	3.47E-08	1.05E-07	6.07E-08	7.43E-08	6.74E-08	3.08E-08	2.70E-08	1.16E-09	2.80E-08	6.18E-09	1.01E-08	1.60E-08	2.82E-09	1.78E-09	6.61E-08
1385	493827.33	3860552.55	1.00E-04	1.23E-04	1.08E-04	3.48E-08	1.05E-07	6.08E-08	7.44E-08	6.75E-08	3.08E-08	2.70E-08	1.16E-09	2.80E-08	6.19E-09	1.01E-08	1.60E-08	2.82E-09	1.78E-09	6.61E-08
1386	493877.33	3860552.55	1.00E-04	1.23E-04	1.07E-04	3.47E-08	1.05E-07	6.07E-08	7.43E-08	6.73E-08	3.07E-08	2.69E-08	1.16E-09	2.80E-08	6.18E-09	1.01E-08	1.60E-08	2.82E-09	1.78E-09	6.60E-08
1387	493927.33	3860552.55	1.00E-04	1.23E-04	1.08E-04	3.47E-08	1.05E-07	6.07E-08	7.43E-08	6.74E-08	3.07E-08	2.69E-08	1.16E-09	2.80E-08	6.18E-09	1.01E-08	1.60E-08	2.82E-09	1.78E-09	6.60E-08
1388	493977.33	3860552.55	1.00E-04	1.23E-04	1.08E-04	3.47E-08	1.05E-07	6.07E-08	7.43E-08	6.74E-08	3.07E-08	2.70E-08	1.16E-09	2.80E-08	6.18E-09	1.01E-08	1.60E-08	2.82E-09	1.78E-09	6.61E-08
1389	494027.33	3860552.55	1.00E-04	1.22E-04	1.07E-04	3.47E-08	1.05E-07	6.06E-08	7.42E-08	6.73E-08	3.07E-08	2.69E-08	1.16E-09	2.80E-08	6.17E-09	1.01E-08	1.60E-08	2.82E-09	1.77E-09	6.59E-08
1390	493627.33	3860602.55	9.82E-05	1.20E-04	1.05E-04	3.40E-08	1.03E-07	5.95E-08	7.28E-08	6.60E-08	3.01E-08	2.64E-08	1.14E-09	2.74E-08	6.06E-09	9.89E-09	1.57E-08	2.77E-09	1.74E-09	6.47E-08
1391	493727.33	3860602.55	9.77E-05	1.20E-04	1.05E-04	3.38E-08	1.02E-07	5.92E-08	7.25E-08	6.57E-08	3.00E-08	2.63E-08	1.13E-09	2.73E-08	6.02E-09	9.84E-09	1.56E-08	2.75E-09	1.73E-09	6.44E-08
1392	493777.33	3860602.55	9.78E-05	1.20E-04	1.05E-04	3.39E-08	1.02E-07	5.93E-08	7.26E-08	6.58E-08	3.00E-08	2.63E-08	1.13E-09	2.74E-08	6.04E-09	9.86E-09	1.56E-08	2.76E-09	1.74E-09	6.45E-08
1393	493827.33	3860602.55	9.78E-05	1.20E-04	1.05E-04	3.39E-08	1.02E-07	5.92E-08	7.26E-08	6.58E-08	3.00E-08	2.63E-08	1.13E-09	2.73E-08	6.03E-09	9.85E-09	1.56E-08	2.75E-09	1.74E-09	6.45E-08
1394	493877.33	3860602.55	9.79E-05	1.20E-04	1.05E-04	3.39E-08	1.02E-07	5.93E-08	7.26E-08	6.58E-08	3.00E-08	2.63E-08	1.13E-09	2.74E-08	6.04E-09	9.86E-09	1.56E-08	2.76E-09	1.74E-09	6.45E-08
1395	493927.33	3860602.55	9.79E-05	1.20E-04	1.05E-04	3.39E-08	1.02E-07	5.93E-08	7.26E-08	6.58E-08	3.00E-08	2.63E-08	1.13E-09	2.74E-08	6.04E-09	9.86E-09	1.56E-08	2.76E-09	1.74E-09	6.45E-08
1396	493977.33	3860602.55	9.79E-05	1.20E-04	1.05E-04	3.39E-08	1.02E-07	5.93E-08	7.26E-08	6.58E-08	3.00E-08	2.63E-08	1.13E-09	2.74E-08	6.04E-09	9.86E-09	1.56E-08	2.76E-09	1.74E-09	6.45E-08

1397	494027.33	3860602.55	9.77E-05	1.20E-04	1.05E-04	3.39E-08	1.02E-07	5.92E-08	7.25E-08	6.57E-08	3.00E-08	2.63E-08	1.13E-09	2.73E-08	6.03E-09	9.84E-09	1.56E-08	2.75E-09	1.73E-09	6.44E-08
1398	493627.33	3860652.55	9.57E-05	1.17E-04	1.03E-04	3.32E-08	1.00E-07	5.80E-08	7.10E-08	6.44E-08	2.94E-08	2.57E-08	1.11E-09	2.67E-08	5.90E-09	9.64E-09	1.53E-08	2.69E-09	1.70E-09	6.31E-08
1399	493727.33	3860652.55	9.53E-05	1.17E-04	1.02E-04	3.30E-08	9.97E-08	5.77E-08	7.07E-08	6.41E-08	2.92E-08	2.56E-08	1.10E-09	2.66E-08	5.88E-09	9.60E-09	1.52E-08	2.68E-09	1.69E-09	6.28E-08
1400	493777.33	3860652.55	9.54E-05	1.17E-04	1.02E-04	3.31E-08	9.98E-08	5.78E-08	7.08E-08	6.42E-08	2.93E-08	2.57E-08	1.10E-09	2.67E-08	5.88E-09	9.61E-09	1.52E-08	2.69E-09	1.69E-09	6.29E-08
1401	493827.33	3860652.55	9.55E-05	1.17E-04	1.03E-04	3.31E-08	9.99E-08	5.78E-08	7.08E-08	6.42E-08	2.93E-08	2.57E-08	1.11E-09	2.67E-08	5.89E-09	9.62E-09	1.53E-08	2.69E-09	1.69E-09	6.30E-08
1402	493877.33	3860652.55	9.56E-05	1.17E-04	1.03E-04	3.31E-08	1.00E-07	5.79E-08	7.10E-08	6.43E-08	2.93E-08	2.57E-08	1.11E-09	2.67E-08	5.90E-09	9.63E-09	1.53E-08	2.69E-09	1.70E-09	6.30E-08
1403	493927.33	3860652.55	9.56E-05	1.17E-04	1.03E-04	3.31E-08	1.00E-07	5.79E-08	7.10E-08	6.43E-08	2.93E-08	2.57E-08	1.11E-09	2.67E-08	5.90E-09	9.63E-09	1.53E-08	2.69E-09	1.70E-09	6.30E-08
1404	493977.33	3860652.55	9.56E-05	1.17E-04	1.03E-04	3.31E-08	1.00E-07	5.79E-08	7.09E-08	6.43E-08	2.93E-08	2.57E-08	1.11E-09	2.67E-08	5.90E-09	9.63E-09	1.53E-08	2.69E-09	1.70E-09	6.30E-08
1405	494027.33	3860652.55	9.57E-05	1.17E-04	1.03E-04	3.32E-08	1.00E-07	5.79E-08	7.10E-08	6.43E-08	2.94E-08	2.57E-08	1.11E-09	2.67E-08	5.90E-09	9.64E-09	1.53E-08	2.69E-09	1.70E-09	6.31E-08
1406	494311.06	3858401.99	1.28E-04	1.57E-04	1.38E-04	4.45E-08	1.34E-07	7.77E-08	9.52E-08	8.63E-08	3.94E-08	3.45E-08	1.49E-09	3.59E-08	7.92E-09	1.29E-08	2.05E-08	3.61E-09	2.28E-09	8.46E-08
1407	494361.06	3858401.99	1.26E-04	1.54E-04	1.35E-04	4.37E-08	1.32E-07	7.63E-08	9.35E-08	8.47E-08	3.87E-08	3.39E-08	1.46E-09	3.52E-08	7.77E-09	1.27E-08	2.01E-08	3.55E-09	2.23E-09	8.30E-08
1408	494411.06	3858401.99	1.24E-04	1.52E-04	1.34E-04	4.31E-08	1.30E-07	7.54E-08	9.23E-08	8.37E-08	3.82E-08	3.35E-08	1.44E-09	3.48E-08	7.67E-09	1.25E-08	1.99E-08	3.50E-09	2.21E-09	8.20E-08
1409	494461.06	3858401.99	1.24E-04	1.51E-04	1.33E-04	4.29E-08	1.29E-07	7.49E-08	9.18E-08	8.32E-08	3.80E-08	3.33E-08	1.43E-09	3.46E-08	7.63E-09	1.25E-08	1.98E-08	3.48E-09	2.19E-09	8.15E-08
1410	494511.06	3858401.99	1.22E-04	1.49E-04	1.31E-04	4.23E-08	1.28E-07	7.39E-08	9.05E-08	8.20E-08	3.74E-08	3.28E-08	1.41E-09	3.41E-08	7.52E-09	1.23E-08	1.95E-08	3.44E-09	2.16E-09	8.04E-08
1411	494561.06	3858401.99	1.21E-04	1.48E-04	1.30E-04	4.20E-08	1.27E-07	7.34E-08	8.99E-08	8.15E-08	3.72E-08	3.26E-08	1.40E-09	3.39E-08	7.48E-09	1.22E-08	1.94E-08	3.41E-09	2.15E-09	7.99E-08
1412	494611.06	3858401.99	1.19E-04	1.46E-04	1.28E-04	4.14E-08	1.25E-07	7.24E-08	8.87E-08	8.04E-08	3.67E-08	3.21E-08	1.38E-09	3.34E-08	7.37E-09	1.20E-08	1.91E-08	3.37E-09	2.12E-09	7.88E-08
1413	494661.06	3858401.99	1.18E-04	1.45E-04	1.27E-04	4.09E-08	1.24E-07	7.15E-08	8.76E-08	7.94E-08	3.62E-08	3.17E-08	1.37E-09	3.30E-08	7.28E-09	1.19E-08	1.89E-08	3.32E-09	2.09E-09	7.78E-08
1414	494711.06	3858401.99	1.16E-04	1.42E-04	1.24E-04	4.02E-08	1.21E-07	7.02E-08	8.60E-08	7.79E-08	3.56E-08	3.12E-08	1.34E-09	3.24E-08	7.15E-09	1.17E-08	1.85E-08	3.26E-09	2.06E-09	7.64E-08
1415	494761.06	3858401.99	1.15E-04	1.41E-04	1.23E-04	3.98E-08	1.20E-07	6.95E-08	8.51E-08	7.72E-08	3.52E-08	3.09E-08	1.33E-09	3.21E-08	7.08E-09	1.16E-08	1.83E-08	3.23E-09	2.04E-09	7.57E-08
1416	494811.06	3858401.99	1.13E-04	1.39E-04	1.21E-04	3.92E-08	1.18E-07	6.85E-08	8.39E-08	7.61E-08	3.47E-08	3.04E-08	1.31E-09	3.16E-08	6.98E-09	1.14E-08	1.81E-08	3.19E-09	2.01E-09	7.46E-08
1417	494861.06	3858401.99	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.76E-08	8.28E-08	7.51E-08	3.43E-08	3.00E-08	1.29E-09	3.12E-08	6.89E-09	1.12E-08	1.78E-08	3.14E-09	1.98E-09	7.36E-08
1418	494911.06	3858401.99	1.10E-04	1.35E-04	1.18E-04	3.82E-08	1.15E-07	6.68E-08	8.18E-08	7.42E-08	3.38E-08	2.97E-08	1.28E-09	3.08E-08	6.80E-09	1.11E-08	1.76E-08	3.11E-09	1.96E-09	7.27E-08
1419	494961.06	3858401.99	1.09E-04	1.33E-04	1.17E-04	3.77E-08	1.14E-07	6.59E-08	8.07E-08	7.31E-08	3.34E-08	2.92E-08	1.26E-09	3.04E-08	6.71E-09	1.10E-08	1.74E-08	3.06E-09	1.93E-09	7.17E-08
1420	495011.06	3858401.99	1.07E-04	1.31E-04	1.15E-04	3.70E-08	1.12E-07	6.47E-08	7.92E-08	7.18E-08	3.28E-08	2.87E-08	1.24E-09	2.99E-08	6.59E-09	1.08E-08	1.71E-08	3.01E-09	1.89E-09	7.04E-08
1421	495061.06	3858401.99	1.05E-04	1.29E-04	1.13E-04	3.65E-08	1.10E-07	6.38E-08	7.82E-08	7.08E-08	3.23E-08	2.83E-08	1.22E-09	2.94E-08	6.50E-09	1.06E-08	1.68E-08	2.97E-09	1.87E-09	6.94E-08
1422	495111.06	3858401.99	1.03E-04	1.26E-04	1.10E-04	3.55E-08	1.07E-07	6.21E-08	7.61E-08	6.90E-08	3.15E-08	2.76E-08	1.19E-09	2.87E-08	6.33E-09	1.03E-08	1.64E-08	2.89E-09	1.82E-09	6.76E-08
1423	495161.06	3858401.99	1.02E-04	1.25E-04	1.10E-04	3.54E-08	1.07E-07	6.18E-08	7.57E-08	6.86E-08	3.13E-08	2.74E-08	1.18E-09	2.85E-08	6.29E-09	1.03E-08	1.63E-08	2.87E-09	1.81E-09	6.73E-08
1424	495211.06	3858401.99	9.96E-05	1.22E-04	1.07E-04	3.45E-08	1.04E-07	6.04E-08	7.39E-08	6.70E-08	3.06E-08	2.68E-08	1.15E-09	2.79E-08	6.15E-09	1.00E-08	1.59E-08	2.81E-09	1.77E-09	6.57E-08
1425	495261.06	3858401.99	9.83E-05	1.20E-04	1.06E-04	3.41E-08	1.03E-07	5.96E-08	7.30E-08	6.61E-08	3.02E-08	2.65E-08	1.14E-09	2.75E-08	6.07E-09	9.91E-09	1.57E-08	2.77E-09	1.74E-09	6.48E-08
1426	495311.06	3858401.99	9.70E-05	1.19E-04	1.04E-04	3.36E-08	1.01E-07	5.88E-08	7.20E-08	6.52E-08	2.98E-08	2.61E-08	1.12E-09	2.71E-08	5.98E-09	9.77E-09	1.55E-08	2.73E-09	1.72E-09	6.39E-08
1427	495361.06	3858401.99	9.61E-05	1.18E-04	1.03E-04	3.33E-08	1.01E-07	5.82E-08	7.13E-08	6.46E-08	2.95E-08	2.58E-08	1.11E-09	2.69E-08	5.93E-09	9.68E-09	1.54E-08	2.71E-09	1.70E-09	6.33E-08
1428	495411.06	3858401.99	9.56E-05	1.17E-04	1.03E-04	3.31E-08	1.00E-07	5.79E-08	7.09E-08	6.43E-08	2.93E-08	2.57E-08	1.11E-09	2.67E-08	5.89E-09	9.63E-09	1.53E-08	2.69E-09	1.70E-09	6.30E-08
1429	495461.06	3858401.99	9.52E-05	1.17E-04	1.02E-04	3.30E-08	9.96E-08	5.77E-08	7.06E-08	6.40E-08	2.92E-08	2.56E-08	1.10E-09	2.66E-08	5.87E-09	9.59E-09	1.52E-08	2.68E-09	1.69E-09	6.28E-08
1430	495511.06	3858401.99	9.47E-05	1.16E-04	1.02E-04	3.28E-08	9.91E-08	5.74E-08	7.03E-08	6.37E-08	2.91E-08	2.55E-08	1.10E-09	2.65E-08	5.84E-09	9.54E-09	1.51E-08	2.67E-09	1.68E-09	6.25E-08
1431	495561.06	3858401.99	9.35E-05	1.15E-04	1.00E-04	3.24E-08	9.79E-08	5.66E-08	6.94E-08	6.29E-08	2.87E-08	2.52E-08	1.08E-09	2.61E-08	5.77E-09	9.42E-09	1.49E-08	2.63E-09	1.66E-09	6.16E-08
1432	495611.06	3858401.99	9.31E-05	1.14E-04	9.99E-05	3.22E-08	9.74E-08	5.64E-08	6.90E-08	6.26E-08	2.86E-08	2.50E-08	1.08E-09	2.60E-08	5.74E-09	9.37E-09	1.49E-08	2.62E-09	1.65E-09	6.13E-08
1433	495661.06	3858401.99	9.37E-05	1.15E-04	1.01E-04	3.25E-08	9.80E-08	5.67E-08	6.95E-08	6.30E-08	2.87E-08	2.52E-08	1.08E-09	2.62E-08	5.78E-09	9.43E-09	1.50E-08	2.64E-09	1.66E-09	6.17E-08
1434	494311.06	3858451.99	1.31E-04	1.60E-04	1.40E-04	4.54E-08	1.37E-07	7.93E-08	9.71E-08	8.80E-08	4.02E-08	3.52E-08	1.51E-09	3.66E-08	8.07E-09	1.32E-08	2.09E-08	3.69E-09	2.32E-09	8.63E-08
1435	494361.06	3858451.99	1.29E-04	1.58E-04	1.38E-04	4.47E-08	1.35E-07	7.82E-08	9.57E-08	8.68E-08	3.96E-08	3.47E-08	1.49E-09	3.61E-08	7.96E-09	1.30E-08	2.06E-08	3.63E-09	2.29E-09	8.51E-08
1436	494411.06	3858451.99	1.27E-04	1.56E-04	1.37E-04	4.42E-08	1.33E-07	7.72E-08	9.45E-08	8.57E-08	3.91E-08	3.43E-08	1.47E-09	3.56E-08	7.86E-09	1.28E-08	2.04E-08	3.59E-09	2.26E-09	8.40E-08
1437	494461.06	3858451.99	1.26E-04	1.54E-04	1.35E-04	4.37E-08	1.32E-07	7.63E-08	9.35E-08	8.48E-08	3.87E-08	3.39E-08	1.46E-09	3.52E-08	7.77E-09	1.27E-08	2.01E-08	3.55E-09	2.24E-09	8.31E-08
1438	494511.06	3858451.99	1.25E-04	1.53E-04	1.34E-04	4.34E-08	1.31E-07	7.58E-08	9.29E-08	8.42E-08	3.84E-08	3.37E-08	1.45E-09	3.50E-08	7.72E-09	1.26E-08	2.00E-08	3.53E-09	2.22E-09	8.25E-08
1439	494561.06	3858451.99	1.23E-04	1.51E-04	1.32E-04	4.28E-08	1.29E-07	7.48E-08	9.16E-08	8.30E-08	3.79E-08	3.32E-08	1.43E-09	3.45E-08	7.61E-09	1.24E-08	1.97E-08	3.48E-09	2.19E-09	8.14E-08
1440	494611.06	3858451.99	1.22E-04	1.50E-04	1.31E-04	4.23E-08	1.28E-07	7.40E-08	9.06E-08	8.21E-08	3.75E-08	3.28E-08	1.41E-09	3.41E-08	7.53E-09	1.23E-08	1.95E-08	3.44E-09	2.17E-09	8.05E-08
1441	494661.06	3858451.99	1.21E-04	1.48E-04	1.29E-04	4.18E-08	1.26E-07	7.31E-08	8.95E-08	8.11E-08	3.70E-08	3.24E-08	1.40E-09	3.37E-08	7.44E-09	1.22E-08	1.93E-08	3.40E-09	2.14E-09	7.95E-08
1442	494711.06	3858451.99	1.19E-04	1.45E-04	1.27E-04	4.12E-08	1.24E-07	7.20E-08	8.81E-08	7.99E-08	3.65E-08	3.19E-08	1.37E-09	3.32E-08	7.33E-09	1.20E-08	1.90E-08	3.35E-09	2.11E-09	7.83E-08
1443	494761.06	3858451.99	1.17E-04	1.43E-04	1.25E-04	4.05E-08	1.22E-07	7.08E-08	8.67E-08	7.86E-08	3.59E-08	3.14E-08	1.35E-09	3.27E-08	7.21E-09	1.18E-08	1.87E-08	3.29E-09	2.07E-09	7.71E-08
1444	494811.06	3858451.99	1.15E-04	1.41E-04	1.24E-04	4.00E-08	1.21E-07	6.99E-08	8.56E-08	7.76E-08	3.54E-08	3.10E-08	1.34E-09	3.23E-08	7.12E-09	1.16E-08	1.84E-08	3.25E-09	2.05E-09	7.61E-08
1445	494861.06	3858451.99	1.14E-04	1.39E-04	1.22E-04	3.94E-08	1.19E-07	6.89E-08	8.44E-08	7.65E-08	3.49E-08	3.06E-08	1.32E-09	3.18E-08	7.01E-09	1.15E-08	1.82E-08	3.20E-09	2.02E-09	7.50E-08
1446	494911.06	3858451.99	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.77E-08	8.29E-08	7.51E-08	3.43E-08	3.00E-08	1.29E-09	3.12E-08	6.89E-09	1.13E-08	1.79E-08	3.15E-09	1.98E-09	7.37E-08
1447	494961.06	3858451.99	1.10E-04	1.35E-04	1.18E-04	3.81E-08	1.15E-07	6.66E-08	8.15E-08	7.39E-08	3.37E-08	2.95E-08	1.27E-09	3.07E-08	6.78E-09	1.11E-08	1.76E-08	3.09E-09	1.95E-09	7.24E-08
1448	495011.06	3858451.99	1.08E-04	1.32E-04	1.16E-04	3.74E-08	1.13E-07	6.53E-08	8.00E-08	7.25E-08	3.31E-08	2.90E-08	1.25E-09	3.01E-08	6.65E-09	1.09E-08	1.72E-08	3.04E-09	1.91E-09	7.11E-08
1449	495061.06	3858451.99	1.07E-04	1.31E-04	1.15E-04	3.70E-08	1.12E-07	6.47E-08	7.93E-08	7.19E-08	3.28E-08	2.87E-08	1.24E-09	2.99E-08	6.59E-09	1.08E-08	1.71E-08	3.01E-09	1.90E-09	7.05E-08
1450	495111.06	3858451.99	1.05E-04	1.29E-04	1.13E-04	3.64E-08	1.10E-07	6.36E-08	7.78E-08	7.06E-08	3.22E-08	2.82E-08	1.21E-09	2.93E-08	6.47E-09	1.06E-08	1.68E-08	2.96E-09	1.86E-09	6.92E-08
1451	495161.06	3858451.99	1.03E-04	1.26E-04	1.10E-04	3.56E-08	1.07E-07	6.22E-08	7.62E-08	6.91E-08	3.15E-08	2.76E-08	1.19E-09	2.87E-08	6.34E-09	1.03E-08	1.64E-08	2.89E-09	1.82E-09	6.77E-08
1452	495211.06	3858451.99	1.01E-04	1.23E-04	1.08E-04	3.49E-08	1.05E-07	6.10E-08	7.48E-08	6.78E-08	3.09E-08	2.71E-08	1.17E-09	2.82E-08	6.21E-09	1.01E-08	1.61E-08	2.84E-09	1.79E-09	6.64E-08
1453	495261.06	3858451.99	9.95E-05	1.22E-04	1.07E-04	3.45E-08	1.04E-07	6.03E-08	7.38E-08	6.69E-08	3.05E-08	2.68E-08	1.15E-09	2.78E-08	6.14E-09	1.00E-08	1.59E-08	2.80E-09	1.76E-09	6.56E-08
1454	495311.06	3858451.99	9.84E-05	1.21E-04	1.06E-04	3.41E-08	1.03E-07	5.96E-08	7.30E-08	6.62E-08	3.02E-08	2.65E-08	1.14E-09	2.75E-08	6.07E-09	9.92E-09	1.57E-08	2.77E-09	1.75E-09	6.49E-08
1455	495361.06	3858451.99	9.76E-05	1.20E-04	1.05E-04	3.38E-08	1.02E-07	5.91E-08	7.24E-08	6.56E-08	2.99E-08	2.62E-08	1.13E-09	2.73E-08	6.02E-09	9.83E-09	1.56E-08	2.75E-09	1.73E-09	6.43E-08
1456	495411.06	3858451.99	9.72E-05	1.19E-04	1.04E-04	3.37E-08	1.02E-07	5.89E-08	7.21E-08	6.54E-08	2.98E-08	2.61E-08	1.12E-09	2.72E-08	5.99E-09	9.79E-09	1.55E-08	2.74E-09	1.72E-09	6.41E-08
1457	495461.06	3858451.99	9.69E-05	1.19E-04	1.04E-04	3.36E-08	1.01E-07	5.87E-08	7.19E-08	6.52E-08	2.97E-08	2.61E-08	1.12E-09	2.71E-08	5.98E-09	9.76E-09	1.55E-08	2.73E-09	1.72E-09	6.39E-08

1458	495511.06	3858451.99	9.59E-05	1.17E-04	1.03E-04	3.32E-08	1.00E-07	5.81E-08	7.11E-08	6.45E-08	2.94E-08	2.58E-08	1.11E-09	2.68E-08	5.91E-09	9.66E-09	1.53E-08	2.70E-09	1.70E-09	6.32E-08
1459	495561.06	3858451.99	9.60E-05	1.18E-04	1.03E-04	3.33E-08	1.00E-07	5.82E-08	7.12E-08	6.46E-08	2.95E-08	2.58E-08	1.11E-09	2.68E-08	5.92E-09	9.67E-09	1.53E-08	2.70E-09	1.70E-09	6.33E-08
1460	495611.06	3858451.99	9.48E-05	1.16E-04	1.02E-04	3.28E-08	9.91E-08	5.74E-08	7.03E-08	6.37E-08	2.91E-08	2.55E-08	1.10E-09	2.65E-08	5.84E-09	9.54E-09	1.51E-08	2.67E-09	1.68E-09	6.25E-08
1461	495661.06	3858451.99	9.46E-05	1.16E-04	1.02E-04	3.28E-08	9.90E-08	5.73E-08	7.02E-08	6.36E-08	2.90E-08	2.54E-08	1.09E-09	2.64E-08	5.84E-09	9.53E-09	1.51E-08	2.66E-09	1.68E-09	6.24E-08
1462	494311.06	3858501.99	1.31E-04	1.61E-04	1.41E-04	4.54E-08	1.37E-07	7.94E-08	9.73E-08	8.82E-08	4.02E-08	3.53E-08	1.52E-09	3.67E-08	8.09E-09	1.32E-08	2.10E-08	3.69E-09	2.33E-09	8.65E-08
1463	494361.06	3858501.99	1.30E-04	1.59E-04	1.39E-04	4.50E-08	1.36E-07	7.87E-08	9.64E-08	8.74E-08	3.99E-08	3.49E-08	1.50E-09	3.63E-08	8.01E-09	1.31E-08	2.08E-08	3.66E-09	2.30E-09	8.56E-08
1464	494411.06	3858501.99	1.28E-04	1.57E-04	1.38E-04	4.45E-08	1.34E-07	7.78E-08	9.53E-08	8.64E-08	3.94E-08	3.45E-08	1.49E-09	3.59E-08	7.92E-09	1.29E-08	2.05E-08	3.62E-09	2.28E-09	8.47E-08
1465	494461.06	3858501.99	1.28E-04	1.56E-04	1.37E-04	4.42E-08	1.33E-07	7.73E-08	9.47E-08	8.58E-08	3.92E-08	3.43E-08	1.48E-09	3.57E-08	7.87E-09	1.29E-08	2.04E-08	3.59E-09	2.26E-09	8.41E-08
1466	494511.06	3858501.99	1.26E-04	1.54E-04	1.35E-04	4.35E-08	1.31E-07	7.61E-08	9.32E-08	8.45E-08	3.86E-08	3.38E-08	1.45E-09	3.51E-08	7.75E-09	1.27E-08	2.01E-08	3.54E-09	2.23E-09	8.28E-08
1467	494561.06	3858501.99	1.26E-04	1.54E-04	1.35E-04	4.36E-08	1.32E-07	7.62E-08	9.33E-08	8.46E-08	3.86E-08	3.38E-08	1.46E-09	3.52E-08	7.76E-09	1.27E-08	2.01E-08	3.54E-09	2.23E-09	8.29E-08
1468	494611.06	3858501.99	1.24E-04	1.52E-04	1.33E-04	4.30E-08	1.30E-07	7.52E-08	9.21E-08	8.35E-08	3.81E-08	3.34E-08	1.44E-09	3.47E-08	7.66E-09	1.25E-08	1.98E-08	3.50E-09	2.20E-09	8.18E-08
1469	494661.06	3858501.99	1.23E-04	1.51E-04	1.32E-04	4.26E-08	1.29E-07	7.45E-08	9.13E-08	8.28E-08	3.78E-08	3.31E-08	1.42E-09	3.44E-08	7.59E-09	1.24E-08	1.97E-08	3.47E-09	2.18E-09	8.11E-08
1470	494711.06	3858501.99	1.21E-04	1.48E-04	1.30E-04	4.20E-08	1.27E-07	7.34E-08	8.99E-08	8.15E-08	3.72E-08	3.26E-08	1.40E-09	3.39E-08	7.47E-09	1.22E-08	1.94E-08	3.41E-09	2.15E-09	7.99E-08
1471	494761.06	3858501.99	1.19E-04	1.46E-04	1.28E-04	4.12E-08	1.25E-07	7.21E-08	8.83E-08	8.00E-08	3.65E-08	3.20E-08	1.38E-09	3.33E-08	7.34E-09	1.20E-08	1.90E-08	3.35E-09	2.11E-09	7.84E-08
1472	494811.06	3858501.99	1.17E-04	1.43E-04	1.26E-04	4.06E-08	1.22E-07	7.09E-08	8.68E-08	7.87E-08	3.59E-08	3.15E-08	1.35E-09	3.27E-08	7.22E-09	1.18E-08	1.87E-08	3.30E-09	2.08E-09	7.71E-08
1473	494861.06	3858501.99	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.00E-08	8.58E-08	7.78E-08	3.55E-08	3.11E-08	1.34E-09	3.23E-08	7.13E-09	1.16E-08	1.85E-08	3.26E-09	2.05E-09	7.62E-08
1474	494911.06	3858501.99	1.13E-04	1.38E-04	1.21E-04	3.91E-08	1.18E-07	6.84E-08	8.38E-08	7.60E-08	3.47E-08	3.04E-08	1.31E-09	3.16E-08	6.97E-09	1.14E-08	1.80E-08	3.18E-09	2.00E-09	7.45E-08
1475	494961.06	3858501.99	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.76E-08	8.28E-08	7.50E-08	3.42E-08	3.00E-08	1.29E-09	3.12E-08	6.88E-09	1.12E-08	1.78E-08	3.14E-09	1.98E-09	7.35E-08
1476	495011.06	3858501.99	1.09E-04	1.34E-04	1.17E-04	3.79E-08	1.14E-07	6.62E-08	8.11E-08	7.35E-08	3.35E-08	2.94E-08	1.26E-09	3.05E-08	6.74E-09	1.10E-08	1.75E-08	3.08E-09	1.94E-09	7.20E-08
1477	495061.06	3858501.99	1.08E-04	1.33E-04	1.16E-04	3.75E-08	1.13E-07	6.56E-08	8.04E-08	7.28E-08	3.32E-08	2.91E-08	1.25E-09	3.03E-08	6.68E-09	1.09E-08	1.73E-08	3.05E-09	1.92E-09	7.14E-08
1478	495111.06	3858501.99	1.05E-04	1.29E-04	1.13E-04	3.65E-08	1.10E-07	6.39E-08	7.82E-08	7.09E-08	3.24E-08	2.84E-08	1.22E-09	2.95E-08	6.51E-09	1.06E-08	1.69E-08	2.97E-09	1.87E-09	6.95E-08
1479	495161.06	3858501.99	1.04E-04	1.27E-04	1.11E-04	3.59E-08	1.08E-07	6.28E-08	7.69E-08	6.97E-08	3.18E-08	2.79E-08	1.20E-09	2.90E-08	6.39E-09	1.04E-08	1.66E-08	2.92E-09	1.84E-09	6.83E-08
1480	495211.06	3858501.99	1.02E-04	1.25E-04	1.09E-04	3.53E-08	1.07E-07	6.17E-08	7.56E-08	6.85E-08	3.13E-08	2.74E-08	1.18E-09	2.85E-08	6.29E-09	1.03E-08	1.63E-08	2.87E-09	1.81E-09	6.72E-08
1481	495261.06	3858501.99	1.01E-04	1.23E-04	1.08E-04	3.49E-08	1.05E-07	6.10E-08	7.47E-08	6.77E-08	3.09E-08	2.71E-08	1.17E-09	2.81E-08	6.21E-09	1.01E-08	1.61E-08	2.84E-09	1.79E-09	6.64E-08
1482	495311.06	3858501.99	1.00E-04	1.22E-04	1.07E-04	3.46E-08	1.05E-07	6.05E-08	7.42E-08	6.72E-08	3.07E-08	2.69E-08	1.16E-09	2.79E-08	6.17E-09	1.01E-08	1.60E-08	2.82E-09	1.77E-09	6.59E-08
1483	495361.06	3858501.99	9.93E-05	1.22E-04	1.07E-04	3.44E-08	1.04E-07	6.01E-08	7.37E-08	6.68E-08	3.05E-08	2.67E-08	1.15E-09	2.78E-08	6.12E-09	1.00E-08	1.59E-08	2.80E-09	1.76E-09	6.55E-08
1484	495411.06	3858501.99	9.89E-05	1.21E-04	1.06E-04	3.43E-08	1.03E-07	5.99E-08	7.33E-08	6.65E-08	3.03E-08	2.66E-08	1.14E-09	2.76E-08	6.10E-09	9.96E-09	1.58E-08	2.78E-09	1.75E-09	6.52E-08
1485	495461.06	3858501.99	9.84E-05	1.21E-04	1.06E-04	3.41E-08	1.03E-07	5.96E-08	7.30E-08	6.62E-08	3.02E-08	2.65E-08	1.14E-09	2.75E-08	6.07E-09	9.92E-09	1.57E-08	2.77E-09	1.75E-09	6.49E-08
1486	495511.06	3858501.99	9.78E-05	1.20E-04	1.05E-04	3.39E-08	1.02E-07	5.92E-08	7.25E-08	6.57E-08	3.00E-08	2.63E-08	1.13E-09	2.73E-08	6.03E-09	9.85E-09	1.56E-08	2.75E-09	1.73E-09	6.44E-08
1487	495561.06	3858501.99	9.78E-05	1.20E-04	1.05E-04	3.39E-08	1.02E-07	5.93E-08	7.26E-08	6.58E-08	3.00E-08	2.63E-08	1.13E-09	2.74E-08	6.04E-09	9.86E-09	1.56E-08	2.76E-09	1.74E-09	6.45E-08
1488	495611.06	3858501.99	9.67E-05	1.18E-04	1.04E-04	3.35E-08	1.01E-07	5.86E-08	7.18E-08	6.50E-08	2.97E-08	2.60E-08	1.12E-09	2.70E-08	5.97E-09	9.74E-09	1.55E-08	2.72E-09	1.72E-09	6.38E-08
1489	495661.06	3858501.99	9.66E-05	1.18E-04	1.04E-04	3.35E-08	1.01E-07	5.85E-08	7.17E-08	6.50E-08	2.96E-08	2.60E-08	1.12E-09	2.70E-08	5.96E-09	9.73E-09	1.54E-08	2.72E-09	1.71E-09	6.37E-08
1490	494311.06	3858551.99	1.29E-04	1.58E-04	1.38E-04	4.46E-08	1.35E-07	7.80E-08	9.55E-08	8.66E-08	3.95E-08	3.46E-08	1.49E-09	3.60E-08	7.94E-09	1.30E-08	2.06E-08	3.63E-09	2.28E-09	8.49E-08
1491	494361.06	3858551.99	1.30E-04	1.59E-04	1.39E-04	4.49E-08	1.36E-07	7.85E-08	9.61E-08	8.71E-08	3.98E-08	3.48E-08	1.50E-09	3.62E-08	7.99E-09	1.31E-08	2.07E-08	3.65E-09	2.30E-09	8.54E-08
1492	494411.06	3858551.99	1.30E-04	1.60E-04	1.40E-04	4.52E-08	1.36E-07	7.89E-08	9.67E-08	8.76E-08	4.00E-08	3.50E-08	1.51E-09	3.64E-08	8.04E-09	1.31E-08	2.08E-08	3.67E-09	2.31E-09	8.59E-08
1493	494461.06	3858551.99	1.30E-04	1.59E-04	1.39E-04	4.50E-08	1.36E-07	7.87E-08	9.64E-08	8.74E-08	3.99E-08	3.49E-08	1.50E-09	3.63E-08	8.01E-09	1.31E-08	2.08E-08	3.66E-09	2.30E-09	8.56E-08
1494	494511.06	3858551.99	1.29E-04	1.58E-04	1.38E-04	4.46E-08	1.35E-07	7.80E-08	9.56E-08	8.66E-08	3.95E-08	3.46E-08	1.49E-09	3.60E-08	7.95E-09	1.30E-08	2.06E-08	3.63E-09	2.28E-09	8.49E-08
1495	494561.06	3858551.99	1.28E-04	1.57E-04	1.37E-04	4.43E-08	1.34E-07	7.75E-08	9.49E-08	8.61E-08	3.93E-08	3.44E-08	1.48E-09	3.58E-08	7.89E-09	1.29E-08	2.04E-08	3.60E-09	2.27E-09	8.43E-08
1496	494611.06	3858551.99	1.27E-04	1.55E-04	1.36E-04	4.39E-08	1.33E-07	7.67E-08	9.40E-08	8.52E-08	3.89E-08	3.41E-08	1.47E-09	3.54E-08	7.81E-09	1.28E-08	2.02E-08	3.57E-09	2.25E-09	8.35E-08
1497	494661.06	3858551.99	1.25E-04	1.54E-04	1.35E-04	4.35E-08	1.31E-07	7.60E-08	9.31E-08	8.44E-08	3.85E-08	3.37E-08	1.45E-09	3.51E-08	7.74E-09	1.26E-08	2.01E-08	3.53E-09	2.23E-09	8.27E-08
1498	494711.06	3858551.99	1.23E-04	1.51E-04	1.32E-04	4.27E-08	1.29E-07	7.47E-08	9.15E-08	8.30E-08	3.79E-08	3.32E-08	1.43E-09	3.45E-08	7.61E-09	1.24E-08	1.97E-08	3.47E-09	2.19E-09	8.13E-08
1499	494761.06	3858551.99	1.21E-04	1.49E-04	1.30E-04	4.20E-08	1.27E-07	7.34E-08	9.00E-08	8.15E-08	3.72E-08	3.26E-08	1.40E-09	3.39E-08	7.48E-09	1.22E-08	1.94E-08	3.41E-09	2.15E-09	7.99E-08
1500	494811.06	3858551.99	1.20E-04	1.47E-04	1.28E-04	4.15E-08	1.25E-07	7.25E-08	8.88E-08	8.05E-08	3.67E-08	3.22E-08	1.38E-09	3.34E-08	7.38E-09	1.21E-08	1.91E-08	3.37E-09	2.12E-09	7.89E-08
1501	494861.06	3858551.99	1.18E-04	1.44E-04	1.26E-04	4.07E-08	1.23E-07	7.12E-08	8.72E-08	7.90E-08	3.61E-08	3.16E-08	1.36E-09	3.29E-08	7.25E-09	1.18E-08	1.88E-08	3.31E-09	2.08E-09	7.75E-08
1502	494911.06	3858551.99	1.15E-04	1.41E-04	1.24E-04	3.99E-08	1.20E-07	6.97E-08	8.54E-08	7.74E-08	3.53E-08	3.10E-08	1.33E-09	3.22E-08	7.10E-09	1.16E-08	1.84E-08	3.24E-09	2.04E-09	7.59E-08
1503	494961.06	3858551.99	1.13E-04	1.39E-04	1.22E-04	3.93E-08	1.19E-07	6.86E-08	8.40E-08	7.62E-08	3.48E-08	3.05E-08	1.31E-09	3.17E-08	6.99E-09	1.14E-08	1.81E-08	3.19E-09	2.01E-09	7.47E-08
1504	495011.06	3858551.99	1.11E-04	1.36E-04	1.19E-04	3.84E-08	1.16E-07	6.72E-08	8.23E-08	7.46E-08	3.40E-08	2.98E-08	1.28E-09	3.10E-08	6.84E-09	1.12E-08	1.77E-08	3.12E-09	1.97E-09	7.31E-08
1505	495061.06	3858551.99	1.09E-04	1.34E-04	1.17E-04	3.79E-08	1.15E-07	6.63E-08	8.12E-08	7.36E-08	3.36E-08	2.94E-08	1.27E-09	3.06E-08	6.75E-09	1.10E-08	1.75E-08	3.08E-09	1.94E-09	7.21E-08
1506	495111.06	3858551.99	1.07E-04	1.31E-04	1.14E-04	3.69E-08	1.12E-07	6.46E-08	7.91E-08	7.17E-08	3.27E-08	2.87E-08	1.23E-09	2.98E-08	6.57E-09	1.07E-08	1.70E-08	3.00E-09	1.89E-09	7.03E-08
1507	495161.06	3858551.99	1.05E-04	1.28E-04	1.12E-04	3.63E-08	1.10E-07	6.35E-08	7.77E-08	7.05E-08	3.22E-08	2.82E-08	1.21E-09	2.93E-08	6.46E-09	1.06E-08	1.67E-08	2.95E-09	1.86E-09	6.91E-08
1508	495211.06	3858551.99	1.03E-04	1.26E-04	1.11E-04	3.58E-08	1.08E-07	6.25E-08	7.65E-08	6.94E-08	3.17E-08	2.77E-08	1.19E-09	2.88E-08	6.36E-09	1.04E-08	1.65E-08	2.91E-09	1.83E-09	6.80E-08
1509	495261.06	3858551.99	1.02E-04	1.25E-04	1.10E-04	3.54E-08	1.07E-07	6.18E-08	7.57E-08	6.86E-08	3.13E-08	2.74E-08	1.18E-09	2.85E-08	6.30E-09	1.03E-08	1.63E-08	2.87E-09	1.81E-09	6.73E-08
1510	495311.06	3858551.99	1.02E-04	1.24E-04	1.09E-04	3.52E-08	1.06E-07	6.15E-08	7.53E-08	6.83E-08	3.12E-08	2.73E-08	1.18E-09	2.84E-08	6.26E-09	1.02E-08	1.62E-08	2.86E-09	1.80E-09	6.69E-08
1511	495361.06	3858551.99	1.01E-04	1.24E-04	1.08E-04	3.50E-08	1.06E-07	6.11E-08	7.48E-08	6.79E-08	3.10E-08	2.71E-08	1.17E-09	2.82E-08	6.22E-09	1.02E-08	1.61E-08	2.84E-09	1.79E-09	6.65E-08
1512	495411.06	3858551.99	1.01E-04	1.23E-04	1.08E-04	3.49E-08	1.05E-07	6.09E-08	7.46E-08	6.77E-08	3.09E-08	2.71E-08	1.16E-09	2.81E-08	6.21E-09	1.01E-08	1.61E-08	2.83E-09	1.78E-09	6.63E-08
1513	495461.06	3858551.99	1.00E-04	1.23E-04	1.07E-04	3.47E-08	1.05E-07	6.06E-08	7.42E-08	6.73E-08	3.07E-08	2.69E-08	1.16E-09	2.80E-08	6.17E-09	1.01E-08	1.60E-08	2.82E-09	1.78E-09	6.60E-08
1514	495511.06	3858551.99	9.98E-05	1.22E-04	1.07E-04	3.46E-08	1.04E-07	6.05E-08	7.41E-08	6.71E-08	3.06E-08	2.68E-08	1.16E-09	2.79E-08	6.16E-09	1.01E-08	1.60E-08	2.81E-09	1.77E-09	6.58E-08
1515	495561.06	3858551.99	9.93E-05	1.22E-04	1.07E-04	3.44E-08	1.04E-07	6.01E-08	7.37E-08	6.68E-08	3.05E-08	2.67E-08	1.15E-09	2.78E-08	6.12E-09	1.00E-08	1.59E-08	2.80E-09	1.76E-09	6.54E-08
1516	495611.06	3858551.99	9.86E-05	1.21E-04	1.06E-04	3.42E-08	1.03E-07	5.97E-08	7.32E-08	6.63E-08	3.03E-08	2.65E-08	1.14E-09	2.76E-08	6.08E-09	9.93E-09	1.58E-08	2.78E-09	1.75E-09	6.50E-08
1517	495661.06	3858551.99	9.78E-05	1.20E-04	1.05E-04	3.39E-08	1.02E-07	5.93E-08	7.26E-08	6.58E-08	3.00E-08	2.63E-08	1.13E-09	2.74E-08	6.04E-09	9.86E-09	1.56E-08	2.76E-09	1.74E-09	6.45E-08
1518	494311.06	3858601.99	1.22E-04	1.49E-04	1.31E-04	4.23E-08	1.28E-07	7.39E-08	9.06E-08	8.21E-08	3.75E-08	3.28E-08	1.41E-09	3.41E-08	7.53E-09	1.23E-08	1.95E-08	3.44E-09	2.16E-09	8.05E-08

1519	494361.06	3858601.99	1.28E-04	1.57E-04	1.38E-04	4.45E-08	1.34E-07	7.77E-08	9.52E-08	8.63E-08	3.94E-08	3.45E-08	1.49E-09	3.59E-08	7.92E-09	1.29E-08	2.05E-08	3.61E-09	2.28E-09	8.46E-08
1520	494411.06	3858601.99	1.33E-04	1.63E-04	1.43E-04	4.60E-08	1.39E-07	8.05E-08	9.86E-08	8.94E-08	4.08E-08	3.57E-08	1.54E-09	3.71E-08	8.19E-09	1.34E-08	2.12E-08	3.74E-09	2.36E-09	8.76E-08
1521	494461.06	3858601.99	1.32E-04	1.62E-04	1.42E-04	4.59E-08	1.39E-07	8.02E-08	9.82E-08	8.90E-08	4.06E-08	3.56E-08	1.53E-09	3.70E-08	8.17E-09	1.33E-08	2.12E-08	3.73E-09	2.35E-09	8.73E-08
1522	494511.06	3858601.99	1.31E-04	1.60E-04	1.40E-04	4.53E-08	1.37E-07	7.92E-08	9.70E-08	8.79E-08	4.01E-08	3.52E-08	1.51E-09	3.65E-08	8.06E-09	1.32E-08	2.09E-08	3.68E-09	2.32E-09	8.62E-08
1523	494561.06	3858601.99	1.31E-04	1.60E-04	1.40E-04	4.53E-08	1.37E-07	7.92E-08	9.70E-08	8.79E-08	4.01E-08	3.51E-08	1.51E-09	3.65E-08	8.06E-09	1.32E-08	2.09E-08	3.68E-09	2.32E-09	8.61E-08
1524	494611.06	3858601.99	1.29E-04	1.58E-04	1.38E-04	4.47E-08	1.35E-07	7.81E-08	9.56E-08	8.67E-08	3.96E-08	3.47E-08	1.49E-09	3.60E-08	7.95E-09	1.30E-08	2.06E-08	3.63E-09	2.29E-09	8.50E-08
1525	494661.06	3858601.99	1.28E-04	1.56E-04	1.37E-04	4.42E-08	1.34E-07	7.73E-08	9.47E-08	8.58E-08	3.92E-08	3.43E-08	1.48E-09	3.57E-08	7.87E-09	1.29E-08	2.04E-08	3.59E-09	2.26E-09	8.41E-08
1526	494711.06	3858601.99	1.26E-04	1.54E-04	1.35E-04	4.35E-08	1.31E-07	7.61E-08	9.32E-08	8.45E-08	3.85E-08	3.38E-08	1.45E-09	3.51E-08	7.75E-09	1.27E-08	2.01E-08	3.54E-09	2.23E-09	8.28E-08
1527	494761.06	3858601.99	1.24E-04	1.51E-04	1.33E-04	4.28E-08	1.29E-07	7.49E-08	9.17E-08	8.32E-08	3.79E-08	3.32E-08	1.43E-09	3.46E-08	7.63E-09	1.25E-08	1.98E-08	3.48E-09	2.19E-09	8.15E-08
1528	494811.06	3858601.99	1.21E-04	1.48E-04	1.30E-04	4.18E-08	1.26E-07	7.31E-08	8.96E-08	8.12E-08	3.70E-08	3.25E-08	1.40E-09	3.37E-08	7.45E-09	1.22E-08	1.93E-08	3.40E-09	2.14E-09	7.96E-08
1529	494861.06	3858601.99	1.19E-04	1.46E-04	1.28E-04	4.13E-08	1.25E-07	7.22E-08	8.84E-08	8.01E-08	3.66E-08	3.20E-08	1.38E-09	3.33E-08	7.35E-09	1.20E-08	1.90E-08	3.36E-09	2.11E-09	7.85E-08
1530	494911.06	3858601.99	1.16E-04	1.43E-04	1.25E-04	4.03E-08	1.22E-07	7.05E-08	8.64E-08	7.83E-08	3.57E-08	3.13E-08	1.35E-09	3.25E-08	7.18E-09	1.17E-08	1.86E-08	3.28E-09	2.07E-09	7.68E-08
1531	494961.06	3858601.99	1.15E-04	1.40E-04	1.23E-04	3.97E-08	1.20E-07	6.94E-08	8.50E-08	7.70E-08	3.51E-08	3.08E-08	1.33E-09	3.20E-08	7.06E-09	1.15E-08	1.83E-08	3.23E-09	2.03E-09	7.55E-08
1532	495011.06	3858601.99	1.13E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.82E-08	8.35E-08	7.57E-08	3.45E-08	3.03E-08	1.30E-09	3.15E-08	6.94E-09	1.13E-08	1.80E-08	3.17E-09	2.00E-09	7.42E-08
1533	495061.06	3858601.99	1.11E-04	1.35E-04	1.19E-04	3.83E-08	1.16E-07	6.69E-08	8.20E-08	7.43E-08	3.39E-08	2.97E-08	1.28E-09	3.09E-08	6.82E-09	1.11E-08	1.77E-08	3.11E-09	1.96E-09	7.28E-08
1534	495111.06	3858601.99	1.07E-04	1.32E-04	1.15E-04	3.72E-08	1.12E-07	6.51E-08	7.97E-08	7.23E-08	3.30E-08	2.89E-08	1.24E-09	3.00E-08	6.63E-09	1.08E-08	1.72E-08	3.03E-09	1.91E-09	7.08E-08
1535	495161.06	3858601.99	1.06E-04	1.30E-04	1.14E-04	3.67E-08	1.11E-07	6.41E-08	7.86E-08	7.12E-08	3.25E-08	2.85E-08	1.23E-09	2.96E-08	6.53E-09	1.07E-08	1.69E-08	2.98E-09	1.88E-09	6.98E-08
1536	495211.06	3858601.99	1.05E-04	1.28E-04	1.13E-04	3.63E-08	1.10E-07	6.35E-08	7.78E-08	7.05E-08	3.22E-08	2.82E-08	1.21E-09	2.93E-08	6.47E-09	1.06E-08	1.68E-08	2.95E-09	1.86E-09	6.91E-08
1537	495261.06	3858601.99	1.04E-04	1.27E-04	1.11E-04	3.59E-08	1.08E-07	6.28E-08	7.69E-08	6.97E-08	3.18E-08	2.79E-08	1.20E-09	2.90E-08	6.39E-09	1.04E-08	1.66E-08	2.92E-09	1.84E-09	6.83E-08
1538	495311.06	3858601.99	1.03E-04	1.26E-04	1.10E-04	3.56E-08	1.08E-07	6.23E-08	7.63E-08	6.91E-08	3.16E-08	2.76E-08	1.19E-09	2.87E-08	6.34E-09	1.04E-08	1.64E-08	2.90E-09	1.82E-09	6.78E-08
1539	495361.06	3858601.99	1.02E-04	1.25E-04	1.10E-04	3.55E-08	1.07E-07	6.20E-08	7.59E-08	6.88E-08	3.14E-08	2.75E-08	1.18E-09	2.86E-08	6.31E-09	1.03E-08	1.64E-08	2.88E-09	1.82E-09	6.75E-08
1540	495411.06	3858601.99	1.02E-04	1.25E-04	1.09E-04	3.53E-08	1.07E-07	6.17E-08	7.56E-08	6.85E-08	3.13E-08	2.74E-08	1.18E-09	2.85E-08	6.28E-09	1.03E-08	1.63E-08	2.87E-09	1.81E-09	6.72E-08
1541	495461.06	3858601.99	1.02E-04	1.24E-04	1.09E-04	3.52E-08	1.06E-07	6.15E-08	7.53E-08	6.83E-08	3.12E-08	2.73E-08	1.17E-09	2.84E-08	6.26E-09	1.02E-08	1.62E-08	2.86E-09	1.80E-09	6.69E-08
1542	495511.06	3858601.99	1.01E-04	1.23E-04	1.08E-04	3.49E-08	1.05E-07	6.10E-08	7.47E-08	6.77E-08	3.09E-08	2.71E-08	1.16E-09	2.81E-08	6.21E-09	1.01E-08	1.61E-08	2.83E-09	1.79E-09	6.63E-08
1543	495561.06	3858601.99	1.01E-04	1.23E-04	1.08E-04	3.48E-08	1.05E-07	6.09E-08	7.46E-08	6.76E-08	3.08E-08	2.70E-08	1.16E-09	2.81E-08	6.20E-09	1.01E-08	1.61E-08	2.83E-09	1.78E-09	6.63E-08
1544	495611.06	3858601.99	9.95E-05	1.22E-04	1.07E-04	3.45E-08	1.04E-07	6.02E-08	7.38E-08	6.69E-08	3.05E-08	2.67E-08	1.15E-09	2.78E-08	6.13E-09	1.00E-08	1.59E-08	2.80E-09	1.76E-09	6.56E-08
1545	495661.06	3858601.99	9.92E-05	1.21E-04	1.06E-04	3.44E-08	1.04E-07	6.01E-08	7.36E-08	6.67E-08	3.04E-08	2.67E-08	1.15E-09	2.77E-08	6.12E-09	9.99E-09	1.58E-08	2.79E-09	1.76E-09	6.54E-08
1546	494311.06	3858651.99	1.21E-04	1.48E-04	1.29E-04	4.18E-08	1.26E-07	7.31E-08	8.95E-08	8.11E-08	3.70E-08	3.24E-08	1.40E-09	3.37E-08	7.44E-09	1.21E-08	1.93E-08	3.40E-09	2.14E-09	7.95E-08
1547	494361.06	3858651.99	1.27E-04	1.55E-04	1.36E-04	4.39E-08	1.33E-07	7.68E-08	9.40E-08	8.52E-08	3.89E-08	3.41E-08	1.47E-09	3.54E-08	7.82E-09	1.28E-08	2.03E-08	3.57E-09	2.25E-09	8.35E-08
1548	494411.06	3858651.99	1.34E-04	1.64E-04	1.43E-04	4.63E-08	1.40E-07	8.10E-08	9.92E-08	8.99E-08	4.10E-08	3.60E-08	1.55E-09	3.74E-08	8.25E-09	1.35E-08	2.14E-08	3.77E-09	2.37E-09	8.81E-08
1549	494461.06	3858651.99	1.34E-04	1.64E-04	1.44E-04	4.65E-08	1.40E-07	8.13E-08	9.96E-08	9.03E-08	4.12E-08	3.61E-08	1.55E-09	3.75E-08	8.28E-09	1.35E-08	2.15E-08	3.78E-09	2.38E-09	8.85E-08
1550	494511.06	3858651.99	1.33E-04	1.63E-04	1.43E-04	4.61E-08	1.39E-07	8.06E-08	9.88E-08	8.95E-08	4.09E-08	3.58E-08	1.54E-09	3.72E-08	8.21E-09	1.34E-08	2.13E-08	3.75E-09	2.36E-09	8.78E-08
1551	494561.06	3858651.99	1.32E-04	1.62E-04	1.42E-04	4.59E-08	1.39E-07	8.02E-08	9.83E-08	8.91E-08	4.06E-08	3.56E-08	1.53E-09	3.70E-08	8.17E-09	1.33E-08	2.12E-08	3.73E-09	2.35E-09	8.73E-08
1552	494611.06	3858651.99	1.31E-04	1.61E-04	1.41E-04	4.55E-08	1.37E-07	7.96E-08	9.75E-08	8.83E-08	4.03E-08	3.53E-08	1.52E-09	3.67E-08	8.10E-09	1.32E-08	2.10E-08	3.70E-09	2.33E-09	8.66E-08
1553	494661.06	3858651.99	1.30E-04	1.59E-04	1.39E-04	4.49E-08	1.36E-07	7.86E-08	9.62E-08	8.72E-08	3.98E-08	3.49E-08	1.50E-09	3.63E-08	8.00E-09	1.31E-08	2.07E-08	3.65E-09	2.30E-09	8.55E-08
1554	494711.06	3858651.99	1.27E-04	1.56E-04	1.37E-04	4.42E-08	1.33E-07	7.72E-08	9.45E-08	8.57E-08	3.91E-08	3.43E-08	1.47E-09	3.56E-08	7.86E-09	1.28E-08	2.04E-08	3.59E-09	2.26E-09	8.40E-08
1555	494761.06	3858651.99	1.26E-04	1.54E-04	1.35E-04	4.35E-08	1.31E-07	7.61E-08	9.32E-08	8.45E-08	3.86E-08	3.38E-08	1.45E-09	3.51E-08	7.75E-09	1.27E-08	2.01E-08	3.54E-09	2.23E-09	8.28E-08
1556	494811.06	3858651.99	1.23E-04	1.51E-04	1.32E-04	4.26E-08	1.29E-07	7.45E-08	9.13E-08	8.28E-08	3.78E-08	3.31E-08	1.42E-09	3.44E-08	7.59E-09	1.24E-08	1.97E-08	3.47E-09	2.18E-09	8.11E-08
1557	494861.06	3858651.99	1.21E-04	1.48E-04	1.29E-04	4.18E-08	1.26E-07	7.31E-08	8.95E-08	8.11E-08	3.70E-08	3.24E-08	1.40E-09	3.37E-08	7.44E-09	1.22E-08	1.93E-08	3.40E-09	2.14E-09	7.95E-08
1558	494911.06	3858651.99	1.18E-04	1.45E-04	1.27E-04	4.09E-08	1.23E-07	7.15E-08	8.76E-08	7.94E-08	3.62E-08	3.17E-08	1.37E-09	3.30E-08	7.28E-09	1.19E-08	1.89E-08	3.32E-09	2.09E-09	7.78E-08
1559	494961.06	3858651.99	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.01E-08	8.58E-08	7.78E-08	3.55E-08	3.11E-08	1.34E-09	3.23E-08	7.13E-09	1.16E-08	1.85E-08	3.26E-09	2.05E-09	7.62E-08
1560	495011.06	3858651.99	1.14E-04	1.39E-04	1.22E-04	3.94E-08	1.19E-07	6.89E-08	8.44E-08	7.66E-08	3.49E-08	3.06E-08	1.32E-09	3.18E-08	7.02E-09	1.15E-08	1.82E-08	3.21E-09	2.02E-09	7.50E-08
1561	495061.06	3858651.99	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.77E-08	8.29E-08	7.52E-08	3.43E-08	3.01E-08	1.29E-09	3.12E-08	6.89E-09	1.13E-08	1.79E-08	3.15E-09	1.98E-09	7.37E-08
1562	495111.06	3858651.99	1.09E-04	1.34E-04	1.17E-04	3.79E-08	1.14E-07	6.62E-08	8.11E-08	7.35E-08	3.36E-08	2.94E-08	1.27E-09	3.06E-08	6.74E-09	1.10E-08	1.75E-08	3.08E-09	1.94E-09	7.21E-08
1563	495161.06	3858651.99	1.08E-04	1.32E-04	1.16E-04	3.74E-08	1.13E-07	6.53E-08	8.00E-08	7.25E-08	3.31E-08	2.90E-08	1.25E-09	3.01E-08	6.65E-09	1.09E-08	1.72E-08	3.04E-09	1.91E-09	7.11E-08
1564	495211.06	3858651.99	1.06E-04	1.30E-04	1.14E-04	3.67E-08	1.11E-07	6.42E-08	7.86E-08	7.13E-08	3.25E-08	2.85E-08	1.23E-09	2.96E-08	6.54E-09	1.07E-08	1.69E-08	2.99E-09	1.88E-09	6.99E-08
1565	495261.06	3858651.99	1.05E-04	1.29E-04	1.13E-04	3.66E-08	1.10E-07	6.39E-08	7.83E-08	7.10E-08	3.24E-08	2.84E-08	1.22E-09	2.95E-08	6.51E-09	1.06E-08	1.69E-08	2.97E-09	1.87E-09	6.95E-08
1566	495311.06	3858651.99	1.05E-04	1.28E-04	1.12E-04	3.62E-08	1.09E-07	6.33E-08	7.76E-08	7.03E-08	3.21E-08	2.81E-08	1.21E-09	2.92E-08	6.45E-09	1.05E-08	1.67E-08	2.95E-09	1.85E-09	6.89E-08
1567	495361.06	3858651.99	1.04E-04	1.27E-04	1.12E-04	3.61E-08	1.09E-07	6.30E-08	7.72E-08	7.00E-08	3.19E-08	2.80E-08	1.20E-09	2.91E-08	6.42E-09	1.05E-08	1.66E-08	2.93E-09	1.85E-09	6.86E-08
1568	495411.06	3858651.99	1.04E-04	1.27E-04	1.11E-04	3.60E-08	1.09E-07	6.28E-08	7.70E-08	6.98E-08	3.18E-08	2.79E-08	1.20E-09	2.90E-08	6.40E-09	1.04E-08	1.66E-08	2.92E-09	1.84E-09	6.84E-08
1569	495461.06	3858651.99	1.04E-04	1.27E-04	1.11E-04	3.59E-08	1.08E-07	6.28E-08	7.69E-08	6.97E-08	3.18E-08	2.79E-08	1.20E-09	2.90E-08	6.39E-09	1.04E-08	1.66E-08	2.92E-09	1.84E-09	6.83E-08
1570	495511.06	3858651.99	1.03E-04	1.26E-04	1.10E-04	3.56E-08	1.07E-07	6.21E-08	7.61E-08	6.90E-08	3.15E-08	2.76E-08	1.19E-09	2.87E-08	6.33E-09	1.03E-08	1.64E-08	2.89E-09	1.82E-09	6.76E-08
1571	495561.06	3858651.99	1.02E-04	1.25E-04	1.09E-04	3.53E-08	1.07E-07	6.17E-08	7.56E-08	6.85E-08	3.13E-08	2.74E-08	1.18E-09	2.85E-08	6.28E-09	1.03E-08	1.63E-08	2.87E-09	1.81E-09	6.71E-08
1572	495611.06	3858651.99	1.01E-04	1.23E-04	1.08E-04	3.49E-08	1.05E-07	6.10E-08	7.47E-08	6.77E-08	3.09E-08	2.71E-08	1.16E-09	2.81E-08	6.21E-09	1.01E-08	1.61E-08	2.83E-09	1.79E-09	6.63E-08
1573	495661.06	3858651.99	1.00E-04	1.23E-04	1.08E-04	3.48E-08	1.05E-07	6.08E-08	7.44E-08	6.75E-08	3.08E-08	2.70E-08	1.16E-09	2.80E-08	6.19E-09	1.01E-08	1.60E-08	2.82E-09	1.78E-09	6.61E-08
1574	494311.06	3858701.99	1.22E-04	1.50E-04	1.31E-04	4.23E-08	1.28E-07	7.40E-08	9.06E-08	8.21E-08	3.75E-08	3.28E-08	1.41E-09	3.41E-08	7.53E-09	1.23E-08	1.95E-08	3.44E-09	2.17E-09	8.05E-08
1575	494361.06	3858701.99	1.31E-04	1.60E-04	1.40E-04	4.53E-08	1.37E-07	7.91E-08	9.69E-08	8.78E-08	4.01E-08	3.51E-08	1.51E-09	3.65E-08	8.06E-09	1.32E-08	2.09E-08	3.68E-09	2.32E-09	8.61E-08
1576	494411.06	3858701.99	1.35E-04	1.66E-04	1.45E-04	4.69E-08	1.42E-07	8.20E-08	1.00E-07	9.10E-08	4.15E-08	3.64E-08	1.57E-09	3.78E-08	8.35E-09	1.36E-08	2.16E-08	3.81E-09	2.40E-09	8.92E-08
1577	494461.06	3858701.99	1.35E-04	1.66E-04	1.45E-04	4.69E-08	1.42E-07	8.19E-08	1.00E-07	9.10E-08	4.15E-08	3.64E-08	1.57E-09	3.78E-08	8.34E-09	1.36E-08	2.16E-08	3.81E-09	2.40E-09	8.92E-08
1578	494511.06	3858701.99	1.35E-04	1.65E-04	1.45E-04	4.68E-08	1.41E-07	8.18E-08	1.00E-07	9.08E-08	4.14E-08	3.63E-08	1.56E-09	3.77E-08	8.33E-09	1.36E-08	2.16E-08	3.80E-09	2.39E-09	8.90E-08
1579	494561.06	3858701.99	1.34E-04	1.64E-04	1.44E-04	4.64E-08	1.40E-07	8.11E-08	9.94E-08	9.01E-08	4.11E-08	3.60E-08	1.55E-09	3.74E-08	8.26E-09	1.35E-08	2.14E-08	3.77E-09	2.38E-09	8.83E-08

1580	494611.06	3858701.99	1.31E-04	1.61E-04	1.41E-04	4.55E-08	1.37E-07	7.95E-08	9.74E-08	8.83E-08	4.03E-08	3.53E-08	1.52E-09	3.67E-08	8.10E-09	1.32E-08	2.10E-08	3.70E-09	2.33E-09	8.65E-08
1581	494661.06	3858701.99	1.31E-04	1.60E-04	1.41E-04	4.54E-08	1.37E-07	7.94E-08	9.72E-08	8.81E-08	4.02E-08	3.52E-08	1.52E-09	3.66E-08	8.08E-09	1.32E-08	2.09E-08	3.69E-09	2.32E-09	8.64E-08
1582	494711.06	3858701.99	1.25E-04	1.53E-04	1.34E-04	4.34E-08	1.31E-07	7.59E-08	9.30E-08	8.43E-08	3.85E-08	3.37E-08	1.45E-09	3.50E-08	7.73E-09	1.26E-08	2.00E-08	3.53E-09	2.22E-09	8.26E-08
1583	494761.06	3858701.99	1.26E-04	1.55E-04	1.36E-04	4.38E-08	1.32E-07	7.66E-08	9.38E-08	8.50E-08	3.88E-08	3.40E-08	1.46E-09	3.53E-08	7.80E-09	1.27E-08	2.02E-08	3.56E-09	2.24E-09	8.33E-08
1584	494811.06	3858701.99	1.24E-04	1.52E-04	1.33E-04	4.29E-08	1.30E-07	7.50E-08	9.18E-08	8.33E-08	3.80E-08	3.33E-08	1.43E-09	3.46E-08	7.64E-09	1.25E-08	1.98E-08	3.49E-09	2.20E-09	8.16E-08
1585	494861.06	3858701.99	1.22E-04	1.49E-04	1.31E-04	4.22E-08	1.27E-07	7.37E-08	9.03E-08	8.19E-08	3.73E-08	3.27E-08	1.41E-09	3.40E-08	7.51E-09	1.23E-08	1.94E-08	3.43E-09	2.16E-09	8.02E-08
1586	494911.06	3858701.99	1.20E-04	1.47E-04	1.29E-04	4.15E-08	1.25E-07	7.26E-08	8.90E-08	8.06E-08	3.68E-08	3.22E-08	1.39E-09	3.35E-08	7.40E-09	1.21E-08	1.92E-08	3.38E-09	2.13E-09	7.90E-08
1587	494961.06	3858701.99	1.16E-04	1.42E-04	1.25E-04	4.03E-08	1.22E-07	7.05E-08	8.63E-08	7.82E-08	3.57E-08	3.13E-08	1.35E-09	3.25E-08	7.18E-09	1.17E-08	1.86E-08	3.28E-09	2.06E-09	7.67E-08
1588	495011.06	3858701.99	1.14E-04	1.40E-04	1.22E-04	3.95E-08	1.19E-07	6.91E-08	8.47E-08	7.67E-08	3.50E-08	3.07E-08	1.32E-09	3.19E-08	7.04E-09	1.15E-08	1.82E-08	3.21E-09	2.02E-09	7.52E-08
1589	495061.06	3858701.99	1.13E-04	1.39E-04	1.21E-04	3.92E-08	1.18E-07	6.85E-08	8.39E-08	7.61E-08	3.47E-08	3.04E-08	1.31E-09	3.16E-08	6.98E-09	1.14E-08	1.81E-08	3.19E-09	2.01E-09	7.46E-08
1590	495111.06	3858701.99	1.10E-04	1.35E-04	1.19E-04	3.83E-08	1.16E-07	6.69E-08	8.20E-08	7.43E-08	3.39E-08	2.97E-08	1.28E-09	3.09E-08	6.82E-09	1.11E-08	1.77E-08	3.11E-09	1.96E-09	7.28E-08
1591	495161.06	3858701.99	1.09E-04	1.34E-04	1.17E-04	3.79E-08	1.14E-07	6.62E-08	8.10E-08	7.35E-08	3.35E-08	2.94E-08	1.26E-09	3.05E-08	6.74E-09	1.10E-08	1.75E-08	3.08E-09	1.94E-09	7.20E-08
1592	495211.06	3858701.99	1.07E-04	1.32E-04	1.15E-04	3.72E-08	1.12E-07	6.51E-08	7.97E-08	7.23E-08	3.30E-08	2.89E-08	1.24E-09	3.00E-08	6.63E-09	1.08E-08	1.72E-08	3.03E-09	1.91E-09	7.08E-08
1593	495261.06	3858701.99	1.07E-04	1.31E-04	1.15E-04	3.71E-08	1.12E-07	6.48E-08	7.94E-08	7.20E-08	3.28E-08	2.88E-08	1.24E-09	2.99E-08	6.60E-09	1.08E-08	1.71E-08	3.01E-09	1.90E-09	7.05E-08
1594	495311.06	3858701.99	1.07E-04	1.31E-04	1.14E-04	3.69E-08	1.12E-07	6.46E-08	7.91E-08	7.17E-08	3.27E-08	2.87E-08	1.23E-09	2.98E-08	6.58E-09	1.07E-08	1.70E-08	3.00E-09	1.89E-09	7.03E-08
1595	495361.06	3858701.99	1.06E-04	1.30E-04	1.14E-04	3.67E-08	1.11E-07	6.41E-08	7.86E-08	7.12E-08	3.25E-08	2.85E-08	1.23E-09	2.96E-08	6.53E-09	1.07E-08	1.69E-08	2.98E-09	1.88E-09	6.98E-08
1596	495411.06	3858701.99	1.06E-04	1.30E-04	1.13E-04	3.66E-08	1.11E-07	6.40E-08	7.85E-08	7.11E-08	3.24E-08	2.84E-08	1.22E-09	2.96E-08	6.52E-09	1.07E-08	1.69E-08	2.98E-09	1.88E-09	6.97E-08
1597	495461.06	3858701.99	1.05E-04	1.29E-04	1.13E-04	3.65E-08	1.10E-07	6.37E-08	7.81E-08	7.08E-08	3.23E-08	2.83E-08	1.22E-09	2.94E-08	6.49E-09	1.06E-08	1.68E-08	2.96E-09	1.87E-09	6.93E-08
1598	495511.06	3858701.99	1.04E-04	1.28E-04	1.12E-04	3.62E-08	1.09E-07	6.32E-08	7.74E-08	7.02E-08	3.20E-08	2.81E-08	1.21E-09	2.92E-08	6.44E-09	1.05E-08	1.67E-08	2.94E-09	1.85E-09	6.88E-08
1599	495561.06	3858701.99	1.03E-04	1.27E-04	1.11E-04	3.58E-08	1.08E-07	6.26E-08	7.67E-08	6.95E-08	3.17E-08	2.78E-08	1.20E-09	2.89E-08	6.38E-09	1.04E-08	1.65E-08	2.91E-09	1.83E-09	6.81E-08
1600	495611.06	3858701.99	1.02E-04	1.25E-04	1.10E-04	3.55E-08	1.07E-07	6.20E-08	7.59E-08	6.88E-08	3.14E-08	2.75E-08	1.18E-09	2.86E-08	6.31E-09	1.03E-08	1.64E-08	2.88E-09	1.82E-09	6.75E-08
1601	495661.06	3858701.99	1.02E-04	1.25E-04	1.09E-04	3.52E-08	1.06E-07	6.16E-08	7.55E-08	6.84E-08	3.12E-08	2.74E-08	1.18E-09	2.84E-08	6.27E-09	1.02E-08	1.63E-08	2.86E-09	1.80E-09	6.71E-08
1602	494311.06	3858751.99	1.24E-04	1.52E-04	1.33E-04	4.30E-08	1.30E-07	7.52E-08	9.21E-08	8.35E-08	3.81E-08	3.34E-08	1.44E-09	3.47E-08	7.66E-09	1.25E-08	1.98E-08	3.50E-09	2.20E-09	8.18E-08
1603	494361.06	3858751.99	1.34E-04	1.64E-04	1.44E-04	4.64E-08	1.40E-07	8.11E-08	9.93E-08	9.00E-08	4.11E-08	3.60E-08	1.55E-09	3.74E-08	8.25E-09	1.35E-08	2.14E-08	3.77E-09	2.37E-09	8.82E-08
1604	494411.06	3858751.99	1.37E-04	1.68E-04	1.47E-04	4.76E-08	1.44E-07	8.32E-08	1.02E-07	9.24E-08	4.21E-08	3.69E-08	1.59E-09	3.84E-08	8.47E-09	1.38E-08	2.19E-08	3.87E-09	2.44E-09	9.05E-08
1605	494461.06	3858751.99	1.37E-04	1.68E-04	1.47E-04	4.75E-08	1.44E-07	8.31E-08	1.02E-07	9.22E-08	4.21E-08	3.69E-08	1.59E-09	3.83E-08	8.46E-09	1.38E-08	2.19E-08	3.86E-09	2.43E-09	9.04E-08
1606	494511.06	3858751.99	1.37E-04	1.68E-04	1.47E-04	4.76E-08	1.44E-07	8.31E-08	1.02E-07	9.23E-08	4.21E-08	3.69E-08	1.59E-09	3.84E-08	8.47E-09	1.38E-08	2.19E-08	3.87E-09	2.43E-09	9.05E-08
1607	494561.06	3858751.99	1.36E-04	1.66E-04	1.46E-04	4.70E-08	1.42E-07	8.21E-08	1.01E-07	9.12E-08	4.16E-08	3.65E-08	1.57E-09	3.79E-08	8.36E-09	1.37E-08	2.17E-08	3.82E-09	2.41E-09	8.94E-08
1608	494611.06	3858751.99	1.33E-04	1.63E-04	1.43E-04	4.62E-08	1.40E-07	8.08E-08	9.90E-08	8.97E-08	4.09E-08	3.59E-08	1.54E-09	3.73E-08	8.23E-09	1.34E-08	2.13E-08	3.76E-09	2.37E-09	8.79E-08
1609	494661.06	3858751.99	1.32E-04	1.62E-04	1.42E-04	4.58E-08	1.38E-07	8.00E-08	9.80E-08	8.88E-08	4.05E-08	3.55E-08	1.53E-09	3.69E-08	8.15E-09	1.33E-08	2.11E-08	3.72E-09	2.34E-09	8.70E-08
1610	494711.06	3858751.99	1.29E-04	1.58E-04	1.38E-04	4.46E-08	1.35E-07	7.80E-08	9.56E-08	8.66E-08	3.95E-08	3.46E-08	1.49E-09	3.60E-08	7.95E-09	1.30E-08	2.06E-08	3.63E-09	2.28E-09	8.49E-08
1611	494761.06	3858751.99	1.28E-04	1.57E-04	1.37E-04	4.43E-08	1.34E-07	7.74E-08	9.48E-08	8.59E-08	3.92E-08	3.44E-08	1.48E-09	3.57E-08	7.88E-09	1.29E-08	2.04E-08	3.60E-09	2.27E-09	8.42E-08
1612	494811.06	3858751.99	1.25E-04	1.53E-04	1.34E-04	4.33E-08	1.31E-07	7.57E-08	9.27E-08	8.40E-08	3.84E-08	3.36E-08	1.45E-09	3.49E-08	7.71E-09	1.26E-08	2.00E-08	3.52E-09	2.22E-09	8.24E-08
1613	494861.06	3858751.99	1.22E-04	1.50E-04	1.31E-04	4.25E-08	1.28E-07	7.42E-08	9.09E-08	8.24E-08	3.76E-08	3.29E-08	1.42E-09	3.42E-08	7.56E-09	1.23E-08	1.96E-08	3.45E-09	2.17E-09	8.08E-08
1614	494911.06	3858751.99	1.20E-04	1.47E-04	1.29E-04	4.15E-08	1.25E-07	7.26E-08	8.89E-08	8.06E-08	3.68E-08	3.22E-08	1.39E-09	3.35E-08	7.39E-09	1.21E-08	1.91E-08	3.37E-09	2.12E-09	7.90E-08
1615	494961.06	3858751.99	1.18E-04	1.44E-04	1.26E-04	4.08E-08	1.23E-07	7.14E-08	8.74E-08	7.92E-08	3.62E-08	3.17E-08	1.36E-09	3.29E-08	7.27E-09	1.19E-08	1.88E-08	3.32E-09	2.09E-09	7.77E-08
1616	495011.06	3858751.99	1.16E-04	1.43E-04	1.25E-04	4.04E-08	1.22E-07	7.06E-08	8.64E-08	7.83E-08	3.57E-08	3.13E-08	1.35E-09	3.26E-08	7.18E-09	1.17E-08	1.86E-08	3.28E-09	2.07E-09	7.68E-08
1617	495061.06	3858751.99	1.14E-04	1.40E-04	1.23E-04	3.97E-08	1.20E-07	6.93E-08	8.49E-08	7.70E-08	3.51E-08	3.08E-08	1.32E-09	3.20E-08	7.06E-09	1.15E-08	1.83E-08	3.22E-09	2.03E-09	7.55E-08
1618	495111.06	3858751.99	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.79E-08	8.32E-08	7.54E-08	3.44E-08	3.01E-08	1.30E-09	3.13E-08	6.91E-09	1.13E-08	1.79E-08	3.16E-09	1.99E-09	7.39E-08
1619	495161.06	3858751.99	1.11E-04	1.36E-04	1.19E-04	3.84E-08	1.16E-07	6.71E-08	8.21E-08	7.45E-08	3.40E-08	2.98E-08	1.28E-09	3.09E-08	6.83E-09	1.12E-08	1.77E-08	3.12E-09	1.96E-09	7.30E-08
1620	495211.06	3858751.99	1.09E-04	1.33E-04	1.17E-04	3.78E-08	1.14E-07	6.60E-08	8.09E-08	7.33E-08	3.34E-08	2.93E-08	1.26E-09	3.05E-08	6.72E-09	1.10E-08	1.74E-08	3.07E-09	1.93E-09	7.18E-08
1621	495261.06	3858751.99	1.08E-04	1.33E-04	1.16E-04	3.76E-08	1.13E-07	6.57E-08	8.05E-08	7.29E-08	3.33E-08	2.92E-08	1.26E-09	3.03E-08	6.69E-09	1.09E-08	1.73E-08	3.05E-09	1.92E-09	7.15E-08
1622	495311.06	3858751.99	1.08E-04	1.32E-04	1.16E-04	3.74E-08	1.13E-07	6.55E-08	8.02E-08	7.27E-08	3.32E-08	2.91E-08	1.25E-09	3.02E-08	6.67E-09	1.09E-08	1.73E-08	3.04E-09	1.92E-09	7.12E-08
1623	495361.06	3858751.99	1.07E-04	1.32E-04	1.15E-04	3.72E-08	1.12E-07	6.51E-08	7.97E-08	7.22E-08	3.30E-08	2.89E-08	1.24E-09	3.00E-08	6.62E-09	1.08E-08	1.72E-08	3.02E-09	1.90E-09	7.08E-08
1624	495411.06	3858751.99	1.07E-04	1.32E-04	1.15E-04	3.72E-08	1.12E-07	6.50E-08	7.97E-08	7.22E-08	3.30E-08	2.89E-08	1.24E-09	3.00E-08	6.62E-09	1.08E-08	1.72E-08	3.02E-09	1.90E-09	7.08E-08
1625	495461.06	3858751.99	1.07E-04	1.31E-04	1.15E-04	3.70E-08	1.12E-07	6.47E-08	7.93E-08	7.19E-08	3.28E-08	2.87E-08	1.24E-09	2.99E-08	6.59E-09	1.08E-08	1.71E-08	3.01E-09	1.90E-09	7.04E-08
1626	495511.06	3858751.99	1.06E-04	1.30E-04	1.14E-04	3.67E-08	1.11E-07	6.42E-08	7.86E-08	7.13E-08	3.25E-08	2.85E-08	1.23E-09	2.96E-08	6.54E-09	1.07E-08	1.69E-08	2.99E-09	1.88E-09	6.99E-08
1627	495561.06	3858751.99	1.05E-04	1.29E-04	1.13E-04	3.64E-08	1.10E-07	6.36E-08	7.79E-08	7.06E-08	3.22E-08	2.82E-08	1.22E-09	2.94E-08	6.48E-09	1.06E-08	1.68E-08	2.96E-09	1.86E-09	6.92E-08
1628	495611.06	3858751.99	1.04E-04	1.27E-04	1.12E-04	3.61E-08	1.09E-07	6.30E-08	7.72E-08	7.00E-08	3.19E-08	2.80E-08	1.20E-09	2.91E-08	6.42E-09	1.05E-08	1.66E-08	2.93E-09	1.85E-09	6.86E-08
1629	495661.06	3858751.99	1.03E-04	1.27E-04	1.11E-04	3.58E-08	1.08E-07	6.26E-08	7.66E-08	6.95E-08	3.17E-08	2.78E-08	1.20E-09	2.89E-08	6.37E-09	1.04E-08	1.65E-08	2.91E-09	1.83E-09	6.81E-08
1630	494311.06	3858801.99	1.28E-04	1.57E-04	1.37E-04	4.44E-08	1.34E-07	7.75E-08	9.50E-08	8.61E-08	3.93E-08	3.44E-08	1.48E-09	3.58E-08	7.89E-09	1.29E-08	2.05E-08	3.60E-09	2.27E-09	8.44E-08
1631	494361.06	3858801.99	1.36E-04	1.67E-04	1.46E-04	4.72E-08	1.42E-07	8.25E-08	1.01E-07	9.16E-08	4.18E-08	3.66E-08	1.58E-09	3.81E-08	8.40E-09	1.37E-08	2.18E-08	3.83E-09	2.41E-09	8.98E-08
1632	494411.06	3858801.99	1.38E-04	1.69E-04	1.48E-04	4.78E-08	1.44E-07	8.35E-08	1.02E-07	9.28E-08	4.23E-08	3.71E-08	1.60E-09	3.86E-08	8.51E-09	1.39E-08	2.20E-08	3.88E-09	2.45E-09	9.09E-08
1633	494461.06	3858801.99	1.39E-04	1.70E-04	1.49E-04	4.80E-08	1.45E-07	8.40E-08	1.03E-07	9.32E-08	4.25E-08	3.73E-08	1.60E-09	3.87E-08	8.55E-09	1.40E-08	2.21E-08	3.90E-09	2.46E-09	9.14E-08
1634	494511.06	3858801.99	1.39E-04	1.70E-04	1.49E-04	4.81E-08	1.45E-07	8.41E-08	1.03E-07	9.34E-08	4.26E-08	3.73E-08	1.61E-09	3.88E-08	8.57E-09	1.40E-08	2.22E-08	3.91E-09	2.46E-09	9.15E-08
1635	494561.06	3858801.99	1.38E-04	1.69E-04	1.48E-04	4.79E-08	1.45E-07	8.37E-08	1.02E-07	9.29E-08	4.24E-08	3.71E-08	1.60E-09	3.86E-08	8.52E-09	1.39E-08	2.21E-08	3.89E-09	2.45E-09	9.10E-08
1636	494611.06	3858801.99	1.37E-04	1.67E-04	1.47E-04	4.74E-08	1.43E-07	8.28E-08	1.01E-07	9.20E-08	4.20E-08	3.68E-08	1.58E-09	3.82E-08	8.43E-09	1.38E-08	2.18E-08	3.85E-09	2.42E-09	9.01E-08
1637	494661.06	3858801.99	1.34E-04	1.65E-04	1.44E-04	4.66E-08	1.41E-07	8.14E-08	9.98E-08	9.04E-08	4.13E-08	3.62E-08	1.56E-09	3.76E-08	8.29E-09	1.35E-08	2.15E-08	3.79E-09	2.38E-09	8.86E-08
1638	494711.06	3858801.99	1.32E-04	1.61E-04	1.41E-04	4.57E-08	1.38E-07	7.98E-08	9.78E-08	8.86E-08	4.04E-08	3.54E-08	1.52E-09	3.68E-08	8.13E-09	1.33E-08	2.11E-08	3.71E-09	2.34E-09	8.69E-08
1639	494761.06	3858801.99	1.29E-04	1.58E-04	1.38E-04	4.46E-08	1.35E-07	7.79E-08	9.54E-08	8.65E-08	3.95E-08	3.46E-08	1.49E-09	3.60E-08	7.93E-09	1.30E-08	2.06E-08	3.62E-09	2.28E-09	8.48E-08
1640	494811.06	3858801.99	1.25E-04	1.54E-04	1.35E-04	4.35E-08	1.31E-07	7.60E-08	9.30E-08	8.43E-08	3.85E-08	3.37E-08	1.45E-09	3.51E-08	7.73E-09	1.26E-08	2.00E-08	3.53E-09	2.22E-09	8.27E-08

1641	494861.06	3858801.99	1.24E-04	1.51E-04	1.33E-04	4.29E-08	1.29E-07	7.49E-08	9.18E-08	8.32E-08	3.80E-08	3.33E-08	1.43E-09	3.46E-08	7.63E-09	1.25E-08	1.98E-08	3.48E-09	2.19E-09	8.15E-08
1642	494911.06	3858801.99	1.21E-04	1.48E-04	1.30E-04	4.20E-08	1.27E-07	7.33E-08	8.98E-08	8.14E-08	3.72E-08	3.26E-08	1.40E-09	3.38E-08	7.47E-09	1.22E-08	1.93E-08	3.41E-09	2.15E-09	7.98E-08
1643	494961.06	3858801.99	1.19E-04	1.46E-04	1.28E-04	4.13E-08	1.25E-07	7.22E-08	8.84E-08	8.01E-08	3.66E-08	3.20E-08	1.38E-09	3.33E-08	7.35E-09	1.20E-08	1.90E-08	3.36E-09	2.11E-09	7.85E-08
1644	495011.06	3858801.99	1.17E-04	1.43E-04	1.26E-04	4.06E-08	1.23E-07	7.09E-08	8.69E-08	7.88E-08	3.59E-08	3.15E-08	1.36E-09	3.27E-08	7.22E-09	1.18E-08	1.87E-08	3.30E-09	2.08E-09	7.72E-08
1645	495061.06	3858801.99	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.02E-08	8.59E-08	7.79E-08	3.55E-08	3.11E-08	1.34E-09	3.24E-08	7.14E-09	1.17E-08	1.85E-08	3.26E-09	2.05E-09	7.63E-08
1646	495111.06	3858801.99	1.13E-04	1.39E-04	1.21E-04	3.92E-08	1.18E-07	6.86E-08	8.40E-08	7.61E-08	3.47E-08	3.04E-08	1.31E-09	3.16E-08	6.98E-09	1.14E-08	1.81E-08	3.19E-09	2.01E-09	7.46E-08
1647	495161.06	3858801.99	1.11E-04	1.36E-04	1.19E-04	3.86E-08	1.16E-07	6.74E-08	8.26E-08	7.49E-08	3.42E-08	2.99E-08	1.29E-09	3.11E-08	6.87E-09	1.12E-08	1.78E-08	3.13E-09	1.97E-09	7.34E-08
1648	495211.06	3858801.99	1.10E-04	1.35E-04	1.18E-04	3.82E-08	1.15E-07	6.68E-08	8.18E-08	7.42E-08	3.38E-08	2.97E-08	1.28E-09	3.08E-08	6.80E-09	1.11E-08	1.76E-08	3.11E-09	1.96E-09	7.27E-08
1649	495261.06	3858801.99	1.10E-04	1.35E-04	1.18E-04	3.81E-08	1.15E-07	6.65E-08	8.15E-08	7.39E-08	3.37E-08	2.95E-08	1.27E-09	3.07E-08	6.77E-09	1.11E-08	1.76E-08	3.09E-09	1.95E-09	7.24E-08
1650	495311.06	3858801.99	1.10E-04	1.34E-04	1.18E-04	3.80E-08	1.15E-07	6.64E-08	8.13E-08	7.37E-08	3.36E-08	2.95E-08	1.27E-09	3.06E-08	6.76E-09	1.10E-08	1.75E-08	3.09E-09	1.94E-09	7.22E-08
1651	495361.06	3858801.99	1.09E-04	1.33E-04	1.17E-04	3.78E-08	1.14E-07	6.60E-08	8.08E-08	7.33E-08	3.34E-08	2.93E-08	1.26E-09	3.05E-08	6.72E-09	1.10E-08	1.74E-08	3.07E-09	1.93E-09	7.18E-08
1652	495411.06	3858801.99	1.09E-04	1.34E-04	1.17E-04	3.79E-08	1.14E-07	6.62E-08	8.10E-08	7.35E-08	3.35E-08	2.94E-08	1.26E-09	3.05E-08	6.74E-09	1.10E-08	1.75E-08	3.08E-09	1.94E-09	7.20E-08
1653	495461.06	3858801.99	1.09E-04	1.33E-04	1.17E-04	3.76E-08	1.14E-07	6.58E-08	8.05E-08	7.30E-08	3.33E-08	2.92E-08	1.26E-09	3.03E-08	6.70E-09	1.09E-08	1.73E-08	3.06E-09	1.93E-09	7.16E-08
1654	495511.06	3858801.99	1.08E-04	1.32E-04	1.15E-04	3.73E-08	1.13E-07	6.52E-08	7.98E-08	7.23E-08	3.30E-08	2.89E-08	1.24E-09	3.01E-08	6.63E-09	1.08E-08	1.72E-08	3.03E-09	1.91E-09	7.09E-08
1655	495561.06	3858801.99	1.07E-04	1.31E-04	1.15E-04	3.70E-08	1.12E-07	6.47E-08	7.92E-08	7.18E-08	3.28E-08	2.87E-08	1.24E-09	2.98E-08	6.59E-09	1.08E-08	1.71E-08	3.01E-09	1.89E-09	7.04E-08
1656	495611.06	3858801.99	1.06E-04	1.29E-04	1.13E-04	3.66E-08	1.10E-07	6.39E-08	7.83E-08	7.10E-08	3.24E-08	2.84E-08	1.22E-09	2.95E-08	6.51E-09	1.06E-08	1.69E-08	2.97E-09	1.87E-09	6.96E-08
1657	495661.06	3858801.99	1.05E-04	1.29E-04	1.13E-04	3.64E-08	1.10E-07	6.36E-08	7.79E-08	7.06E-08	3.22E-08	2.82E-08	1.21E-09	2.93E-08	6.47E-09	1.06E-08	1.68E-08	2.96E-09	1.86E-09	6.92E-08
1658	494311.06	3858851.99	1.37E-04	1.67E-04	1.47E-04	4.73E-08	1.43E-07	8.27E-08	1.01E-07	9.19E-08	4.19E-08	3.67E-08	1.58E-09	3.82E-08	8.43E-09	1.38E-08	2.18E-08	3.85E-09	2.42E-09	9.01E-08
1659	494361.06	3858851.99	1.41E-04	1.73E-04	1.51E-04	4.89E-08	1.47E-07	8.54E-08	1.05E-07	9.48E-08	4.33E-08	3.79E-08	1.63E-09	3.94E-08	8.69E-09	1.42E-08	2.25E-08	3.97E-09	2.50E-09	9.29E-08
1660	494411.06	3858851.99	1.40E-04	1.72E-04	1.51E-04	4.87E-08	1.47E-07	8.50E-08	1.04E-07	9.44E-08	4.31E-08	3.77E-08	1.62E-09	3.92E-08	8.66E-09	1.41E-08	2.24E-08	3.95E-09	2.49E-09	9.25E-08
1661	494461.06	3858851.99	1.40E-04	1.72E-04	1.51E-04	4.87E-08	1.47E-07	8.51E-08	1.04E-07	9.45E-08	4.31E-08	3.78E-08	1.63E-09	3.93E-08	8.66E-09	1.41E-08	2.24E-08	3.96E-09	2.49E-09	9.26E-08
1662	494511.06	3858851.99	1.40E-04	1.72E-04	1.50E-04	4.86E-08	1.47E-07	8.49E-08	1.04E-07	9.42E-08	4.30E-08	3.77E-08	1.62E-09	3.92E-08	8.64E-09	1.41E-08	2.24E-08	3.95E-09	2.48E-09	9.24E-08
1663	494561.06	3858851.99	1.39E-04	1.70E-04	1.49E-04	4.82E-08	1.46E-07	8.43E-08	1.03E-07	9.36E-08	4.27E-08	3.74E-08	1.61E-09	3.89E-08	8.58E-09	1.40E-08	2.22E-08	3.92E-09	2.47E-09	9.17E-08
1664	494611.06	3858851.99	1.37E-04	1.68E-04	1.47E-04	4.76E-08	1.44E-07	8.32E-08	1.02E-07	9.24E-08	4.22E-08	3.69E-08	1.59E-09	3.84E-08	8.48E-09	1.38E-08	2.20E-08	3.87E-09	2.44E-09	9.06E-08
1665	494661.06	3858851.99	1.35E-04	1.66E-04	1.45E-04	4.69E-08	1.42E-07	8.19E-08	1.00E-07	9.10E-08	4.15E-08	3.64E-08	1.57E-09	3.78E-08	8.34E-09	1.36E-08	2.16E-08	3.81E-09	2.40E-09	8.92E-08
1666	494711.06	3858851.99	1.32E-04	1.62E-04	1.42E-04	4.58E-08	1.38E-07	8.00E-08	9.80E-08	8.89E-08	4.06E-08	3.55E-08	1.53E-09	3.69E-08	8.15E-09	1.33E-08	2.11E-08	3.72E-09	2.34E-09	8.71E-08
1667	494761.06	3858851.99	1.29E-04	1.58E-04	1.39E-04	4.48E-08	1.35E-07	7.82E-08	9.58E-08	8.69E-08	3.96E-08	3.47E-08	1.49E-09	3.61E-08	7.97E-09	1.30E-08	2.06E-08	3.64E-09	2.29E-09	8.51E-08
1668	494811.06	3858851.99	1.27E-04	1.55E-04	1.36E-04	4.39E-08	1.33E-07	7.67E-08	9.40E-08	8.52E-08	3.89E-08	3.40E-08	1.47E-09	3.54E-08	7.81E-09	1.28E-08	2.02E-08	3.57E-09	2.25E-09	8.35E-08
1669	494861.06	3858851.99	1.25E-04	1.53E-04	1.34E-04	4.33E-08	1.31E-07	7.57E-08	9.27E-08	8.41E-08	3.84E-08	3.36E-08	1.45E-09	3.49E-08	7.71E-09	1.26E-08	2.00E-08	3.52E-09	2.22E-09	8.24E-08
1670	494911.06	3858851.99	1.23E-04	1.50E-04	1.32E-04	4.25E-08	1.28E-07	7.43E-08	9.10E-08	8.25E-08	3.76E-08	3.30E-08	1.42E-09	3.43E-08	7.57E-09	1.24E-08	1.96E-08	3.46E-09	2.18E-09	8.09E-08
1671	494961.06	3858851.99	1.21E-04	1.48E-04	1.29E-04	4.18E-08	1.26E-07	7.31E-08	8.95E-08	8.11E-08	3.70E-08	3.24E-08	1.40E-09	3.37E-08	7.44E-09	1.22E-08	1.93E-08	3.40E-09	2.14E-09	7.95E-08
1672	495011.06	3858851.99	1.19E-04	1.46E-04	1.28E-04	4.12E-08	1.25E-07	7.21E-08	8.83E-08	8.00E-08	3.65E-08	3.20E-08	1.38E-09	3.33E-08	7.34E-09	1.20E-08	1.90E-08	3.35E-09	2.11E-09	7.85E-08
1673	495061.06	3858851.99	1.17E-04	1.43E-04	1.26E-04	4.06E-08	1.23E-07	7.09E-08	8.69E-08	7.88E-08	3.59E-08	3.15E-08	1.36E-09	3.27E-08	7.22E-09	1.18E-08	1.87E-08	3.30E-09	2.08E-09	7.72E-08
1674	495111.06	3858851.99	1.14E-04	1.39E-04	1.22E-04	3.94E-08	1.19E-07	6.88E-08	8.43E-08	7.64E-08	3.49E-08	3.05E-08	1.31E-09	3.17E-08	7.01E-09	1.14E-08	1.82E-08	3.20E-09	2.01E-09	7.49E-08
1675	495161.06	3858851.99	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.77E-08	8.29E-08	7.52E-08	3.43E-08	3.00E-08	1.29E-09	3.12E-08	6.89E-09	1.13E-08	1.79E-08	3.15E-09	1.98E-09	7.37E-08
1676	495211.06	3858851.99	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.77E-08	8.30E-08	7.52E-08	3.43E-08	3.01E-08	1.29E-09	3.13E-08	6.90E-09	1.13E-08	1.79E-08	3.15E-09	1.98E-09	7.37E-08
1677	495261.06	3858851.99	1.11E-04	1.36E-04	1.19E-04	3.86E-08	1.16E-07	6.74E-08	8.26E-08	7.49E-08	3.42E-08	2.99E-08	1.29E-09	3.11E-08	6.87E-09	1.12E-08	1.78E-08	3.14E-09	1.97E-09	7.34E-08
1678	495311.06	3858851.99	1.11E-04	1.36E-04	1.19E-04	3.85E-08	1.16E-07	6.74E-08	8.25E-08	7.48E-08	3.41E-08	2.99E-08	1.29E-09	3.11E-08	6.86E-09	1.12E-08	1.78E-08	3.13E-09	1.97E-09	7.33E-08
1679	495361.06	3858851.99	1.11E-04	1.36E-04	1.19E-04	3.84E-08	1.16E-07	6.71E-08	8.22E-08	7.45E-08	3.40E-08	2.98E-08	1.28E-09	3.10E-08	6.83E-09	1.12E-08	1.77E-08	3.12E-09	1.97E-09	7.30E-08
1680	495411.06	3858851.99	1.10E-04	1.35E-04	1.18E-04	3.83E-08	1.16E-07	6.69E-08	8.19E-08	7.42E-08	3.39E-08	2.97E-08	1.28E-09	3.09E-08	6.81E-09	1.11E-08	1.76E-08	3.11E-09	1.96E-09	7.28E-08
1681	495461.06	3858851.99	1.10E-04	1.35E-04	1.18E-04	3.82E-08	1.15E-07	6.67E-08	8.17E-08	7.41E-08	3.38E-08	2.96E-08	1.27E-09	3.08E-08	6.79E-09	1.11E-08	1.76E-08	3.10E-09	1.95E-09	7.26E-08
1682	495511.06	3858851.99	1.10E-04	1.34E-04	1.18E-04	3.80E-08	1.15E-07	6.64E-08	8.13E-08	7.37E-08	3.36E-08	2.95E-08	1.27E-09	3.06E-08	6.76E-09	1.10E-08	1.75E-08	3.09E-09	1.94E-09	7.22E-08
1683	495561.06	3858851.99	1.08E-04	1.32E-04	1.16E-04	3.74E-08	1.13E-07	6.53E-08	8.00E-08	7.25E-08	3.31E-08	2.90E-08	1.25E-09	3.01E-08	6.65E-09	1.09E-08	1.72E-08	3.04E-09	1.91E-09	7.11E-08
1684	495611.06	3858851.99	1.06E-04	1.30E-04	1.14E-04	3.69E-08	1.11E-07	6.45E-08	7.90E-08	7.16E-08	3.27E-08	2.86E-08	1.23E-09	2.98E-08	6.57E-09	1.07E-08	1.70E-08	3.00E-09	1.89E-09	7.02E-08
1685	495661.06	3858851.99	1.06E-04	1.30E-04	1.14E-04	3.68E-08	1.11E-07	6.43E-08	7.88E-08	7.14E-08	3.26E-08	2.86E-08	1.23E-09	2.97E-08	6.55E-09	1.07E-08	1.70E-08	2.99E-09	1.88E-09	7.00E-08
1686	494311.06	3858901.99	1.40E-04	1.71E-04	1.50E-04	4.84E-08	1.46E-07	8.45E-08	1.04E-07	9.39E-08	4.28E-08	3.75E-08	1.62E-09	3.90E-08	8.61E-09	1.41E-08	2.23E-08	3.93E-09	2.48E-09	9.20E-08
1687	494361.06	3858901.99	1.43E-04	1.75E-04	1.53E-04	4.94E-08	1.49E-07	8.64E-08	1.06E-07	9.59E-08	4.38E-08	3.83E-08	1.65E-09	3.99E-08	8.80E-09	1.44E-08	2.28E-08	4.02E-09	2.53E-09	9.40E-08
1688	494411.06	3858901.99	1.43E-04	1.75E-04	1.53E-04	4.94E-08	1.49E-07	8.64E-08	1.06E-07	9.59E-08	4.38E-08	3.83E-08	1.65E-09	3.99E-08	8.80E-09	1.44E-08	2.28E-08	4.02E-09	2.53E-09	9.40E-08
1689	494461.06	3858901.99	1.43E-04	1.75E-04	1.53E-04	4.95E-08	1.49E-07	8.64E-08	1.06E-07	9.60E-08	4.38E-08	3.84E-08	1.65E-09	3.99E-08	8.80E-09	1.44E-08	2.28E-08	4.02E-09	2.53E-09	9.41E-08
1690	494511.06	3858901.99	1.42E-04	1.74E-04	1.53E-04	4.93E-08	1.49E-07	8.62E-08	1.06E-07	9.57E-08	4.37E-08	3.83E-08	1.65E-09	3.98E-08	8.78E-09	1.43E-08	2.27E-08	4.01E-09	2.52E-09	9.38E-08
1691	494561.06	3858901.99	1.41E-04	1.72E-04	1.51E-04	4.87E-08	1.47E-07	8.51E-08	1.04E-07	9.45E-08	4.31E-08	3.78E-08	1.63E-09	3.93E-08	8.67E-09	1.42E-08	2.25E-08	3.96E-09	2.49E-09	9.27E-08
1692	494611.06	3858901.99	1.38E-04	1.69E-04	1.48E-04	4.77E-08	1.44E-07	8.33E-08	1.02E-07	9.25E-08	4.22E-08	3.70E-08	1.59E-09	3.85E-08	8.49E-09	1.39E-08	2.20E-08	3.87E-09	2.44E-09	9.07E-08
1693	494661.06	3858901.99	1.36E-04	1.66E-04	1.46E-04	4.71E-08	1.42E-07	8.23E-08	1.01E-07	9.14E-08	4.17E-08	3.65E-08	1.57E-09	3.80E-08	8.38E-09	1.37E-08	2.17E-08	3.83E-09	2.41E-09	8.96E-08
1694	494711.06	3858901.99	1.33E-04	1.63E-04	1.43E-04	4.61E-08	1.39E-07	8.06E-08	9.88E-08	8.95E-08	4.09E-08	3.58E-08	1.54E-09	3.72E-08	8.21E-09	1.34E-08	2.13E-08	3.75E-09	2.36E-09	8.78E-08
1695	494761.06	3858901.99	1.30E-04	1.59E-04	1.39E-04	4.50E-08	1.36E-07	7.87E-08	9.63E-08	8.73E-08	3.98E-08	3.49E-08	1.50E-09	3.63E-08	8.01E-09	1.31E-08	2.07E-08	3.66E-09	2.30E-09	8.56E-08
1696	494811.06	3858901.99	1.28E-04	1.57E-04	1.37E-04	4.43E-08	1.34E-07	7.75E-08	9.49E-08	8.60E-08	3.92E-08	3.44E-08	1.48E-09	3.57E-08	7.89E-09	1.29E-08	2.04E-08	3.60E-09	2.27E-09	8.43E-08
1697	494861.06	3858901.99	1.26E-04	1.55E-04	1.36E-04	4.38E-08	1.32E-07	7.66E-08	9.38E-08	8.50E-08	3.88E-08	3.40E-08	1.46E-09	3.53E-08	7.80E-09	1.27E-08	2.02E-08	3.56E-09	2.24E-09	8.33E-08
1698	494911.06	3858901.99	1.23E-04	1.51E-04	1.32E-04	4.27E-08	1.29E-07	7.46E-08	9.14E-08	8.28E-08	3.78E-08	3.31E-08	1.43E-09	3.44E-08	7.60E-09	1.24E-08	1.97E-08	3.47E-09	2.18E-09	8.12E-08
1699	494961.06	3858901.99	1.21E-04	1.49E-04	1.30E-04	4.21E-08	1.27E-07	7.35E-08	9.01E-08	8.16E-08	3.73E-08	3.26E-08	1.40E-09	3.39E-08	7.49E-09	1.22E-08	1.94E-08	3.42E-09	2.15E-09	8.00E-08
1700	495011.06	3858901.99	1.20E-04	1.47E-04	1.28E-04	4.15E-08	1.25E-07	7.25E-08	8.88E-08	8.05E-08	3.67E-08	3.22E-08	1.38E-09	3.35E-08	7.38E-09	1.21E-08	1.91E-08	3.37E-09	2.12E-09	7.89E-08
1701	495061.06	3858901.99	1.17E-04	1.44E-04	1.26E-04	4.06E-08	1.23E-07	7.10E-08	8.69E-08	7.88E-08	3.60E-08	3.15E-08	1.36E-09	3.28E-08	7.23E-09	1.18E-08	1.87E-08	3.30E-09	2.08E-09	7.72E-08

1702	495111.06	3858901.99	1.14E-04	1.39E-04	1.22E-04	3.94E-08	1.19E-07	6.89E-08	8.43E-08	7.64E-08	3.49E-08	3.06E-08	1.32E-09	3.18E-08	7.01E-09	1.14E-08	1.82E-08	3.20E-09	2.02E-09	7.49E-08
1703	495161.06	3858901.99	1.13E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.82E-08	8.36E-08	7.57E-08	3.46E-08	3.03E-08	1.30E-09	3.15E-08	6.95E-09	1.13E-08	1.80E-08	3.17E-09	2.00E-09	7.42E-08
1704	495211.06	3858901.99	1.13E-04	1.39E-04	1.22E-04	3.92E-08	1.18E-07	6.86E-08	8.40E-08	7.62E-08	3.48E-08	3.05E-08	1.31E-09	3.17E-08	6.99E-09	1.14E-08	1.81E-08	3.19E-09	2.01E-09	7.47E-08
1705	495261.06	3858901.99	1.13E-04	1.38E-04	1.21E-04	3.92E-08	1.18E-07	6.84E-08	8.38E-08	7.60E-08	3.47E-08	3.04E-08	1.31E-09	3.16E-08	6.97E-09	1.14E-08	1.81E-08	3.18E-09	2.00E-09	7.45E-08
1706	495311.06	3858901.99	1.12E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.81E-08	8.34E-08	7.56E-08	3.45E-08	3.02E-08	1.30E-09	3.14E-08	6.94E-09	1.13E-08	1.80E-08	3.17E-09	1.99E-09	7.41E-08
1707	495361.06	3858901.99	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.78E-08	8.31E-08	7.53E-08	3.44E-08	3.01E-08	1.30E-09	3.13E-08	6.91E-09	1.13E-08	1.79E-08	3.15E-09	1.99E-09	7.38E-08
1708	495411.06	3858901.99	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.79E-08	8.31E-08	7.53E-08	3.44E-08	3.01E-08	1.30E-09	3.13E-08	6.91E-09	1.13E-08	1.79E-08	3.16E-09	1.99E-09	7.39E-08
1709	495461.06	3858901.99	1.11E-04	1.36E-04	1.19E-04	3.86E-08	1.16E-07	6.74E-08	8.26E-08	7.49E-08	3.42E-08	2.99E-08	1.29E-09	3.11E-08	6.86E-09	1.12E-08	1.78E-08	3.13E-09	1.97E-09	7.34E-08
1710	495511.06	3858901.99	1.10E-04	1.35E-04	1.18E-04	3.82E-08	1.15E-07	6.67E-08	8.17E-08	7.41E-08	3.38E-08	2.96E-08	1.27E-09	3.08E-08	6.79E-09	1.11E-08	1.76E-08	3.10E-09	1.95E-09	7.26E-08
1711	495561.06	3858901.99	1.09E-04	1.34E-04	1.17E-04	3.78E-08	1.14E-07	6.61E-08	8.10E-08	7.34E-08	3.35E-08	2.94E-08	1.26E-09	3.05E-08	6.73E-09	1.10E-08	1.74E-08	3.08E-09	1.94E-09	7.20E-08
1712	495611.06	3858901.99	1.08E-04	1.32E-04	1.16E-04	3.74E-08	1.13E-07	6.54E-08	8.01E-08	7.26E-08	3.31E-08	2.90E-08	1.25E-09	3.02E-08	6.66E-09	1.09E-08	1.72E-08	3.04E-09	1.91E-09	7.11E-08
1713	495661.06	3858901.99	1.08E-04	1.32E-04	1.16E-04	3.73E-08	1.13E-07	6.53E-08	7.99E-08	7.25E-08	3.31E-08	2.90E-08	1.25E-09	3.01E-08	6.65E-09	1.09E-08	1.72E-08	3.03E-09	1.91E-09	7.10E-08
1714	494311.06	3858951.99	1.44E-04	1.76E-04	1.55E-04	4.99E-08	1.51E-07	8.73E-08	1.07E-07	9.69E-08	4.42E-08	3.87E-08	1.67E-09	4.03E-08	8.89E-09	1.45E-08	2.30E-08	4.06E-09	2.55E-09	9.50E-08
1715	494361.06	3858951.99	1.45E-04	1.78E-04	1.56E-04	5.02E-08	1.52E-07	8.78E-08	1.08E-07	9.75E-08	4.45E-08	3.90E-08	1.68E-09	4.05E-08	8.94E-09	1.46E-08	2.32E-08	4.08E-09	2.57E-09	9.56E-08
1716	494411.06	3858951.99	1.44E-04	1.76E-04	1.54E-04	4.98E-08	1.50E-07	8.71E-08	1.07E-07	9.67E-08	4.41E-08	3.86E-08	1.66E-09	4.02E-08	8.86E-09	1.45E-08	2.30E-08	4.05E-09	2.55E-09	9.47E-08
1717	494461.06	3858951.99	1.44E-04	1.76E-04	1.54E-04	4.99E-08	1.51E-07	8.72E-08	1.07E-07	9.68E-08	4.42E-08	3.87E-08	1.67E-09	4.02E-08	8.88E-09	1.45E-08	2.30E-08	4.05E-09	2.55E-09	9.49E-08
1718	494511.06	3858951.99	1.43E-04	1.75E-04	1.53E-04	4.95E-08	1.50E-07	8.66E-08	1.06E-07	9.61E-08	4.39E-08	3.84E-08	1.65E-09	4.00E-08	8.82E-09	1.44E-08	2.28E-08	4.03E-09	2.53E-09	9.42E-08
1719	494561.06	3858951.99	1.41E-04	1.73E-04	1.52E-04	4.90E-08	1.48E-07	8.56E-08	1.05E-07	9.50E-08	4.34E-08	3.80E-08	1.63E-09	3.95E-08	8.71E-09	1.42E-08	2.26E-08	3.98E-09	2.51E-09	9.31E-08
1720	494611.06	3858951.99	1.39E-04	1.70E-04	1.49E-04	4.81E-08	1.45E-07	8.41E-08	1.03E-07	9.34E-08	4.26E-08	3.73E-08	1.61E-09	3.88E-08	8.56E-09	1.40E-08	2.22E-08	3.91E-09	2.46E-09	9.15E-08
1721	494661.06	3858951.99	1.37E-04	1.67E-04	1.47E-04	4.73E-08	1.43E-07	8.27E-08	1.01E-07	9.19E-08	4.19E-08	3.67E-08	1.58E-09	3.82E-08	8.42E-09	1.38E-08	2.18E-08	3.85E-09	2.42E-09	9.00E-08
1722	494711.06	3858951.99	1.33E-04	1.63E-04	1.43E-04	4.62E-08	1.40E-07	8.08E-08	9.89E-08	8.97E-08	4.09E-08	3.59E-08	1.54E-09	3.73E-08	8.23E-09	1.34E-08	2.13E-08	3.76E-09	2.37E-09	8.79E-08
1723	494761.06	3858951.99	1.31E-04	1.60E-04	1.41E-04	4.54E-08	1.37E-07	7.93E-08	9.72E-08	8.81E-08	4.02E-08	3.52E-08	1.52E-09	3.66E-08	8.08E-09	1.32E-08	2.09E-08	3.69E-09	2.32E-09	8.63E-08
1724	494811.06	3858951.99	1.29E-04	1.58E-04	1.39E-04	4.48E-08	1.35E-07	7.83E-08	9.59E-08	8.69E-08	3.97E-08	3.48E-08	1.50E-09	3.61E-08	7.97E-09	1.30E-08	2.07E-08	3.64E-09	2.29E-09	8.52E-08
1725	494861.06	3858951.99	1.28E-04	1.56E-04	1.37E-04	4.42E-08	1.34E-07	7.73E-08	9.47E-08	8.58E-08	3.92E-08	3.43E-08	1.48E-09	3.57E-08	7.87E-09	1.29E-08	2.04E-08	3.59E-09	2.26E-09	8.41E-08
1726	494911.06	3858951.99	1.25E-04	1.53E-04	1.34E-04	4.34E-08	1.31E-07	7.58E-08	9.28E-08	8.42E-08	3.84E-08	3.36E-08	1.45E-09	3.50E-08	7.72E-09	1.26E-08	2.00E-08	3.52E-09	2.22E-09	8.25E-08
1727	494961.06	3858951.99	1.24E-04	1.52E-04	1.33E-04	4.29E-08	1.30E-07	7.50E-08	9.19E-08	8.33E-08	3.80E-08	3.33E-08	1.43E-09	3.46E-08	7.64E-09	1.25E-08	1.98E-08	3.49E-09	2.20E-09	8.17E-08
1728	495011.06	3858951.99	1.20E-04	1.47E-04	1.29E-04	4.16E-08	1.26E-07	7.27E-08	8.91E-08	8.08E-08	3.68E-08	3.23E-08	1.39E-09	3.36E-08	7.41E-09	1.21E-08	1.92E-08	3.38E-09	2.13E-09	7.92E-08
1729	495061.06	3858951.99	1.16E-04	1.43E-04	1.25E-04	4.04E-08	1.22E-07	7.06E-08	8.64E-08	7.83E-08	3.57E-08	3.13E-08	1.35E-09	3.26E-08	7.18E-09	1.17E-08	1.86E-08	3.28E-09	2.07E-09	7.68E-08
1730	495111.06	3858951.99	1.14E-04	1.39E-04	1.22E-04	3.94E-08	1.19E-07	6.89E-08	8.44E-08	7.65E-08	3.49E-08	3.06E-08	1.32E-09	3.18E-08	7.02E-09	1.15E-08	1.82E-08	3.20E-09	2.02E-09	7.50E-08
1731	495161.06	3858951.99	1.15E-04	1.41E-04	1.23E-04	3.98E-08	1.20E-07	6.96E-08	8.52E-08	7.73E-08	3.53E-08	3.09E-08	1.33E-09	3.21E-08	7.09E-09	1.16E-08	1.84E-08	3.24E-09	2.04E-09	7.57E-08
1732	495211.06	3858951.99	1.15E-04	1.40E-04	1.23E-04	3.98E-08	1.20E-07	6.95E-08	8.51E-08	7.71E-08	3.52E-08	3.08E-08	1.33E-09	3.21E-08	7.08E-09	1.16E-08	1.83E-08	3.23E-09	2.03E-09	7.56E-08
1733	495261.06	3858951.99	1.14E-04	1.40E-04	1.23E-04	3.97E-08	1.20E-07	6.93E-08	8.49E-08	7.70E-08	3.51E-08	3.08E-08	1.32E-09	3.20E-08	7.06E-09	1.15E-08	1.83E-08	3.22E-09	2.03E-09	7.55E-08
1734	495311.06	3858951.99	1.13E-04	1.39E-04	1.21E-04	3.92E-08	1.18E-07	6.85E-08	8.39E-08	7.61E-08	3.47E-08	3.04E-08	1.31E-09	3.16E-08	6.98E-09	1.14E-08	1.81E-08	3.19E-09	2.01E-09	7.46E-08
1735	495361.06	3858951.99	1.13E-04	1.38E-04	1.21E-04	3.92E-08	1.18E-07	6.85E-08	8.39E-08	7.60E-08	3.47E-08	3.04E-08	1.31E-09	3.16E-08	6.97E-09	1.14E-08	1.81E-08	3.18E-09	2.01E-09	7.45E-08
1736	495411.06	3858951.99	1.13E-04	1.39E-04	1.21E-04	3.92E-08	1.18E-07	6.86E-08	8.40E-08	7.61E-08	3.47E-08	3.04E-08	1.31E-09	3.16E-08	6.98E-09	1.14E-08	1.81E-08	3.19E-09	2.01E-09	7.46E-08
1737	495461.06	3858951.99	1.13E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.82E-08	8.36E-08	7.57E-08	3.46E-08	3.03E-08	1.30E-09	3.15E-08	6.95E-09	1.13E-08	1.80E-08	3.17E-09	2.00E-09	7.42E-08
1738	495511.06	3858951.99	1.12E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.81E-08	8.34E-08	7.56E-08	3.45E-08	3.02E-08	1.30E-09	3.14E-08	6.94E-09	1.13E-08	1.80E-08	3.17E-09	1.99E-09	7.41E-08
1739	495561.06	3858951.99	1.11E-04	1.35E-04	1.19E-04	3.83E-08	1.16E-07	6.70E-08	8.20E-08	7.43E-08	3.39E-08	2.97E-08	1.28E-09	3.09E-08	6.82E-09	1.11E-08	1.77E-08	3.11E-09	1.96E-09	7.29E-08
1740	495611.06	3858951.99	1.09E-04	1.34E-04	1.17E-04	3.79E-08	1.14E-07	6.63E-08	8.12E-08	7.36E-08	3.36E-08	2.94E-08	1.27E-09	3.06E-08	6.75E-09	1.10E-08	1.75E-08	3.08E-09	1.94E-09	7.21E-08
1741	495661.06	3858951.99	1.09E-04	1.34E-04	1.17E-04	3.79E-08	1.14E-07	6.62E-08	8.11E-08	7.35E-08	3.35E-08	2.94E-08	1.26E-09	3.06E-08	6.74E-09	1.10E-08	1.75E-08	3.08E-09	1.94E-09	7.20E-08
1742	494311.06	3859001.99	1.47E-04	1.79E-04	1.57E-04	5.08E-08	1.53E-07	8.88E-08	1.09E-07	9.86E-08	4.50E-08	3.94E-08	1.70E-09	4.10E-08	9.04E-09	1.48E-08	2.34E-08	4.13E-09	2.60E-09	9.66E-08
1743	494361.06	3859001.99	1.46E-04	1.79E-04	1.57E-04	5.06E-08	1.53E-07	8.85E-08	1.08E-07	9.83E-08	4.48E-08	3.93E-08	1.69E-09	4.08E-08	9.01E-09	1.47E-08	2.34E-08	4.12E-09	2.59E-09	9.63E-08
1744	494411.06	3859001.99	1.46E-04	1.78E-04	1.56E-04	5.05E-08	1.52E-07	8.82E-08	1.08E-07	9.80E-08	4.47E-08	3.92E-08	1.69E-09	4.07E-08	8.98E-09	1.47E-08	2.33E-08	4.10E-09	2.58E-09	9.60E-08
1745	494461.06	3859001.99	1.45E-04	1.77E-04	1.55E-04	5.02E-08	1.52E-07	8.77E-08	1.07E-07	9.74E-08	4.44E-08	3.89E-08	1.68E-09	4.05E-08	8.93E-09	1.46E-08	2.31E-08	4.08E-09	2.57E-09	9.54E-08
1746	494511.06	3859001.99	1.44E-04	1.76E-04	1.54E-04	4.99E-08	1.51E-07	8.72E-08	1.07E-07	9.68E-08	4.42E-08	3.87E-08	1.67E-09	4.02E-08	8.87E-09	1.45E-08	2.30E-08	4.05E-09	2.55E-09	9.48E-08
1747	494561.06	3859001.99	1.42E-04	1.73E-04	1.52E-04	4.91E-08	1.48E-07	8.58E-08	1.05E-07	9.52E-08	4.35E-08	3.81E-08	1.64E-09	3.96E-08	8.74E-09	1.43E-08	2.26E-08	3.99E-09	2.51E-09	9.34E-08
1748	494611.06	3859001.99	1.40E-04	1.71E-04	1.50E-04	4.83E-08	1.46E-07	8.45E-08	1.04E-07	9.38E-08	4.28E-08	3.75E-08	1.61E-09	3.90E-08	8.61E-09	1.41E-08	2.23E-08	3.93E-09	2.47E-09	9.20E-08
1749	494661.06	3859001.99	1.37E-04	1.68E-04	1.47E-04	4.74E-08	1.43E-07	8.29E-08	1.02E-07	9.21E-08	4.20E-08	3.68E-08	1.58E-09	3.83E-08	8.45E-09	1.38E-08	2.19E-08	3.86E-09	2.43E-09	9.03E-08
1750	494711.06	3859001.99	1.34E-04	1.64E-04	1.44E-04	4.64E-08	1.40E-07	8.11E-08	9.93E-08	9.00E-08	4.11E-08	3.60E-08	1.55E-09	3.74E-08	8.26E-09	1.35E-08	2.14E-08	3.77E-09	2.37E-09	8.82E-08
1751	494761.06	3859001.99	1.32E-04	1.62E-04	1.42E-04	4.57E-08	1.38E-07	7.99E-08	9.79E-08	8.87E-08	4.05E-08	3.55E-08	1.53E-09	3.69E-08	8.14E-09	1.33E-08	2.11E-08	3.72E-09	2.34E-09	8.70E-08
1752	494811.06	3859001.99	1.31E-04	1.60E-04	1.40E-04	4.53E-08	1.37E-07	7.92E-08	9.70E-08	8.79E-08	4.01E-08	3.52E-08	1.51E-09	3.66E-08	8.07E-09	1.32E-08	2.09E-08	3.68E-09	2.32E-09	8.62E-08
1753	494861.06	3859001.99	1.29E-04	1.58E-04	1.38E-04	4.46E-08	1.35E-07	7.79E-08	9.55E-08	8.65E-08	3.95E-08	3.46E-08	1.49E-09	3.60E-08	7.94E-09	1.30E-08	2.06E-08	3.62E-09	2.28E-09	8.48E-08
1754	494911.06	3859001.99	1.26E-04	1.55E-04	1.36E-04	4.38E-08	1.32E-07	7.66E-08	9.38E-08	8.50E-08	3.88E-08	3.40E-08	1.46E-09	3.53E-08	7.80E-09	1.27E-08	2.02E-08	3.56E-09	2.24E-09	8.34E-08
1755	494961.06	3859001.99	1.24E-04	1.52E-04	1.33E-04	4.30E-08	1.30E-07	7.52E-08	9.21E-08	8.35E-08	3.81E-08	3.34E-08	1.44E-09	3.47E-08	7.66E-09	1.25E-08	1.98E-08	3.50E-09	2.20E-09	8.19E-08
1756	495011.06	3859001.99	1.18E-04	1.45E-04	1.27E-04	4.09E-08	1.24E-07	7.16E-08	8.77E-08	7.95E-08	3.63E-08	3.18E-08	1.37E-09	3.30E-08	7.29E-09	1.19E-08	1.89E-08	3.33E-09	2.10E-09	7.79E-08
1757	495061.06	3859001.99	1.17E-04	1.43E-04	1.25E-04	4.05E-08	1.22E-07	7.08E-08	8.68E-08	7.86E-08	3.59E-08	3.14E-08	1.35E-09	3.27E-08	7.21E-09	1.18E-08	1.87E-08	3.29E-09	2.07E-09	7.71E-08
1758	495111.06	3859001.99	1.14E-04	1.40E-04	1.23E-04	3.96E-08	1.20E-07	6.93E-08	8.49E-08	7.69E-08	3.51E-08	3.08E-08	1.32E-09	3.20E-08	7.06E-09	1.15E-08	1.83E-08	3.22E-09	2.03E-09	7.54E-08
1759	495161.06	3859001.99	1.16E-04	1.42E-04	1.25E-04	4.03E-08	1.22E-07	7.04E-08	8.63E-08	7.82E-08	3.57E-08	3.13E-08	1.35E-09	3.25E-08	7.17E-09	1.17E-08	1.86E-08	3.27E-09	2.06E-09	7.66E-08
1760	495211.06	3859001.99	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.01E-08	8.58E-08	7.78E-08	3.55E-08	3.11E-08	1.34E-09	3.23E-08	7.14E-09	1.17E-08	1.85E-08	3.26E-09	2.05E-09	7.63E-08
1761	495261.06	3859001.99	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.00E-08	8.58E-08	7.78E-08	3.55E-08	3.11E-08	1.34E-09	3.23E-08	7.13E-09	1.16E-08	1.85E-08	3.26E-09	2.05E-09	7.62E-08
1762	495311.06	3859001.99	1.15E-04	1.41E-04	1.23E-04	3.98E-08	1.20E-07	6.96E-08	8.53E-08	7.73E-08	3.53E-08	3.09E-08	1.33E-09	3.21E-08	7.09E-09	1.16E-08	1.84E-08	3.24E-09	2.04E-09	7.57E-08

1763	495361.06	3859001.99	1.15E-04	1.41E-04	1.23E-04	3.98E-08	1.20E-07	6.95E-08	8.51E-08	7.72E-08	3.52E-08	3.09E-08	1.33E-09	3.21E-08	7.08E-09	1.16E-08	1.83E-08	3.23E-09	2.04E-09	7.57E-08
1764	495411.06	3859001.99	1.14E-04	1.40E-04	1.23E-04	3.96E-08	1.20E-07	6.93E-08	8.48E-08	7.69E-08	3.51E-08	3.07E-08	1.32E-09	3.20E-08	7.05E-09	1.15E-08	1.83E-08	3.22E-09	2.03E-09	7.54E-08
1765	495461.06	3859001.99	1.14E-04	1.40E-04	1.22E-04	3.95E-08	1.19E-07	6.91E-08	8.46E-08	7.67E-08	3.50E-08	3.07E-08	1.32E-09	3.19E-08	7.03E-09	1.15E-08	1.82E-08	3.21E-09	2.02E-09	7.52E-08
1766	495511.06	3859001.99	1.13E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.82E-08	8.35E-08	7.57E-08	3.45E-08	3.03E-08	1.30E-09	3.15E-08	6.94E-09	1.13E-08	1.80E-08	3.17E-09	2.00E-09	7.42E-08
1767	495561.06	3859001.99	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.77E-08	8.29E-08	7.51E-08	3.43E-08	3.00E-08	1.29E-09	3.12E-08	6.89E-09	1.13E-08	1.79E-08	3.15E-09	1.98E-09	7.37E-08
1768	495611.06	3859001.99	1.11E-04	1.36E-04	1.19E-04	3.84E-08	1.16E-07	6.71E-08	8.22E-08	7.45E-08	3.40E-08	2.98E-08	1.28E-09	3.10E-08	6.83E-09	1.12E-08	1.77E-08	3.12E-09	1.96E-09	7.30E-08
1769	495661.06	3859001.99	1.11E-04	1.36E-04	1.19E-04	3.86E-08	1.16E-07	6.74E-08	8.26E-08	7.49E-08	3.42E-08	2.99E-08	1.29E-09	3.11E-08	6.87E-09	1.12E-08	1.78E-08	3.14E-09	1.97E-09	7.34E-08
1770	494311.06	3859051.99	1.48E-04	1.81E-04	1.59E-04	5.13E-08	1.55E-07	8.96E-08	1.10E-07	9.95E-08	4.54E-08	3.98E-08	1.71E-09	4.13E-08	9.12E-09	1.49E-08	2.36E-08	4.17E-09	2.62E-09	9.75E-08
1771	494361.06	3859051.99	1.48E-04	1.81E-04	1.59E-04	5.12E-08	1.55E-07	8.95E-08	1.10E-07	9.94E-08	4.53E-08	3.97E-08	1.71E-09	4.13E-08	9.11E-09	1.49E-08	2.36E-08	4.16E-09	2.62E-09	9.74E-08
1772	494411.06	3859051.99	1.47E-04	1.79E-04	1.57E-04	5.08E-08	1.53E-07	8.88E-08	1.09E-07	9.86E-08	4.50E-08	3.94E-08	1.70E-09	4.10E-08	9.04E-09	1.48E-08	2.34E-08	4.13E-09	2.60E-09	9.66E-08
1773	494461.06	3859051.99	1.45E-04	1.78E-04	1.56E-04	5.03E-08	1.52E-07	8.79E-08	1.08E-07	9.76E-08	4.45E-08	3.90E-08	1.68E-09	4.06E-08	8.95E-09	1.46E-08	2.32E-08	4.09E-09	2.57E-09	9.57E-08
1774	494511.06	3859051.99	1.43E-04	1.76E-04	1.54E-04	4.97E-08	1.50E-07	8.68E-08	1.06E-07	9.64E-08	4.40E-08	3.85E-08	1.66E-09	4.01E-08	8.84E-09	1.44E-08	2.29E-08	4.04E-09	2.54E-09	9.45E-08
1775	494561.06	3859051.99	1.42E-04	1.74E-04	1.52E-04	4.91E-08	1.48E-07	8.59E-08	1.05E-07	9.53E-08	4.35E-08	3.81E-08	1.64E-09	3.96E-08	8.74E-09	1.43E-08	2.27E-08	3.99E-09	2.51E-09	9.34E-08
1776	494611.06	3859051.99	1.40E-04	1.71E-04	1.50E-04	4.84E-08	1.46E-07	8.46E-08	1.04E-07	9.39E-08	4.29E-08	3.76E-08	1.62E-09	3.90E-08	8.61E-09	1.41E-08	2.23E-08	3.93E-09	2.48E-09	9.21E-08
1777	494661.06	3859051.99	1.37E-04	1.68E-04	1.47E-04	4.76E-08	1.44E-07	8.32E-08	1.02E-07	9.24E-08	4.22E-08	3.69E-08	1.59E-09	3.84E-08	8.47E-09	1.38E-08	2.20E-08	3.87E-09	2.44E-09	9.05E-08
1778	494711.06	3859051.99	1.35E-04	1.66E-04	1.45E-04	4.68E-08	1.41E-07	8.19E-08	1.00E-07	9.09E-08	4.15E-08	3.63E-08	1.56E-09	3.78E-08	8.34E-09	1.36E-08	2.16E-08	3.81E-09	2.40E-09	8.91E-08
1779	494761.06	3859051.99	1.33E-04	1.63E-04	1.43E-04	4.61E-08	1.39E-07	8.05E-08	9.86E-08	8.94E-08	4.08E-08	3.57E-08	1.54E-09	3.72E-08	8.20E-09	1.34E-08	2.12E-08	3.74E-09	2.36E-09	8.76E-08
1780	494811.06	3859051.99	1.31E-04	1.61E-04	1.41E-04	4.55E-08	1.37E-07	7.95E-08	9.74E-08	8.83E-08	4.03E-08	3.53E-08	1.52E-09	3.67E-08	8.10E-09	1.32E-08	2.10E-08	3.70E-09	2.33E-09	8.65E-08
1781	494861.06	3859051.99	1.30E-04	1.59E-04	1.39E-04	4.49E-08	1.36E-07	7.85E-08	9.62E-08	8.72E-08	3.98E-08	3.48E-08	1.50E-09	3.62E-08	7.99E-09	1.31E-08	2.07E-08	3.65E-09	2.30E-09	8.54E-08
1782	494911.06	3859051.99	1.27E-04	1.56E-04	1.36E-04	4.40E-08	1.33E-07	7.69E-08	9.42E-08	8.54E-08	3.90E-08	3.41E-08	1.47E-09	3.55E-08	7.83E-09	1.28E-08	2.03E-08	3.58E-09	2.25E-09	8.37E-08
1783	494961.06	3859051.99	1.23E-04	1.51E-04	1.32E-04	4.27E-08	1.29E-07	7.46E-08	9.13E-08	8.28E-08	3.78E-08	3.31E-08	1.42E-09	3.44E-08	7.59E-09	1.24E-08	1.97E-08	3.47E-09	2.18E-09	8.12E-08
1784	495011.06	3859051.99	1.20E-04	1.47E-04	1.29E-04	4.16E-08	1.26E-07	7.28E-08	8.92E-08	8.08E-08	3.69E-08	3.23E-08	1.39E-09	3.36E-08	7.41E-09	1.21E-08	1.92E-08	3.38E-09	2.13E-09	7.92E-08
1785	495061.06	3859051.99	1.18E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.16E-08	8.77E-08	7.95E-08	3.63E-08	3.18E-08	1.37E-09	3.30E-08	7.29E-09	1.19E-08	1.89E-08	3.33E-09	2.10E-09	7.79E-08
1786	495111.06	3859051.99	1.17E-04	1.43E-04	1.26E-04	4.06E-08	1.23E-07	7.10E-08	8.69E-08	7.88E-08	3.59E-08	3.15E-08	1.36E-09	3.27E-08	7.23E-09	1.18E-08	1.87E-08	3.30E-09	2.08E-09	7.72E-08
1787	495161.06	3859051.99	1.18E-04	1.44E-04	1.27E-04	4.09E-08	1.23E-07	7.15E-08	8.75E-08	7.93E-08	3.62E-08	3.17E-08	1.37E-09	3.30E-08	7.28E-09	1.19E-08	1.89E-08	3.32E-09	2.09E-09	7.78E-08
1788	495211.06	3859051.99	1.17E-04	1.43E-04	1.25E-04	4.04E-08	1.22E-07	7.07E-08	8.66E-08	7.85E-08	3.58E-08	3.14E-08	1.35E-09	3.26E-08	7.20E-09	1.18E-08	1.86E-08	3.29E-09	2.07E-09	7.69E-08
1789	495261.06	3859051.99	1.17E-04	1.43E-04	1.26E-04	4.06E-08	1.22E-07	7.09E-08	8.68E-08	7.87E-08	3.59E-08	3.15E-08	1.35E-09	3.27E-08	7.22E-09	1.18E-08	1.87E-08	3.30E-09	2.08E-09	7.71E-08
1790	495311.06	3859051.99	1.16E-04	1.42E-04	1.25E-04	4.03E-08	1.22E-07	7.04E-08	8.62E-08	7.81E-08	3.57E-08	3.12E-08	1.34E-09	3.25E-08	7.17E-09	1.17E-08	1.86E-08	3.27E-09	2.06E-09	7.66E-08
1791	495361.06	3859051.99	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.01E-08	8.59E-08	7.79E-08	3.55E-08	3.11E-08	1.34E-09	3.24E-08	7.14E-09	1.17E-08	1.85E-08	3.26E-09	2.05E-09	7.63E-08
1792	495411.06	3859051.99	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.01E-08	8.59E-08	7.79E-08	3.55E-08	3.11E-08	1.34E-09	3.24E-08	7.14E-09	1.17E-08	1.85E-08	3.26E-09	2.05E-09	7.63E-08
1793	495461.06	3859051.99	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.01E-08	8.58E-08	7.78E-08	3.55E-08	3.11E-08	1.34E-09	3.23E-08	7.14E-09	1.17E-08	1.85E-08	3.26E-09	2.05E-09	7.63E-08
1794	495511.06	3859051.99	1.14E-04	1.40E-04	1.23E-04	3.96E-08	1.19E-07	6.91E-08	8.47E-08	7.68E-08	3.50E-08	3.07E-08	1.32E-09	3.19E-08	7.04E-09	1.15E-08	1.82E-08	3.22E-09	2.02E-09	7.53E-08
1795	495561.06	3859051.99	1.13E-04	1.38E-04	1.21E-04	3.92E-08	1.18E-07	6.85E-08	8.38E-08	7.60E-08	3.47E-08	3.04E-08	1.31E-09	3.16E-08	6.97E-09	1.14E-08	1.81E-08	3.18E-09	2.00E-09	7.45E-08
1796	495611.06	3859051.99	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.78E-08	8.31E-08	7.53E-08	3.44E-08	3.01E-08	1.30E-09	3.13E-08	6.91E-09	1.13E-08	1.79E-08	3.15E-09	1.99E-09	7.38E-08
1797	495661.06	3859051.99	1.12E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.81E-08	8.34E-08	7.56E-08	3.45E-08	3.02E-08	1.30E-09	3.14E-08	6.93E-09	1.13E-08	1.80E-08	3.17E-09	1.99E-09	7.41E-08
1798	494311.06	3859101.99	1.49E-04	1.83E-04	1.60E-04	5.16E-08	1.56E-07	9.03E-08	1.11E-07	1.00E-07	4.57E-08	4.01E-08	1.72E-09	4.17E-08	9.19E-09	1.50E-08	2.38E-08	4.20E-09	2.64E-09	9.82E-08
1799	494361.06	3859101.99	1.48E-04	1.81E-04	1.59E-04	5.13E-08	1.55E-07	8.97E-08	1.10E-07	9.95E-08	4.54E-08	3.98E-08	1.71E-09	4.14E-08	9.13E-09	1.49E-08	2.37E-08	4.17E-09	2.63E-09	9.76E-08
1800	494411.06	3859101.99	1.47E-04	1.80E-04	1.58E-04	5.10E-08	1.54E-07	8.91E-08	1.09E-07	9.90E-08	4.52E-08	3.96E-08	1.70E-09	4.11E-08	9.08E-09	1.48E-08	2.35E-08	4.14E-09	2.61E-09	9.70E-08
1801	494461.06	3859101.99	1.46E-04	1.78E-04	1.56E-04	5.05E-08	1.52E-07	8.83E-08	1.08E-07	9.80E-08	4.47E-08	3.92E-08	1.69E-09	4.07E-08	8.99E-09	1.47E-08	2.33E-08	4.10E-09	2.58E-09	9.61E-08
1802	494511.06	3859101.99	1.44E-04	1.76E-04	1.54E-04	4.98E-08	1.50E-07	8.70E-08	1.07E-07	9.66E-08	4.41E-08	3.86E-08	1.66E-09	4.02E-08	8.86E-09	1.45E-08	2.30E-08	4.05E-09	2.55E-09	9.47E-08
1803	494561.06	3859101.99	1.42E-04	1.74E-04	1.52E-04	4.92E-08	1.49E-07	8.60E-08	1.05E-07	9.55E-08	4.36E-08	3.82E-08	1.64E-09	3.97E-08	8.76E-09	1.43E-08	2.27E-08	4.00E-09	2.52E-09	9.36E-08
1804	494611.06	3859101.99	1.39E-04	1.71E-04	1.50E-04	4.83E-08	1.46E-07	8.45E-08	1.03E-07	9.38E-08	4.28E-08	3.75E-08	1.61E-09	3.90E-08	8.60E-09	1.40E-08	2.23E-08	3.93E-09	2.47E-09	9.19E-08
1805	494661.06	3859101.99	1.38E-04	1.69E-04	1.48E-04	4.78E-08	1.44E-07	8.35E-08	1.02E-07	9.27E-08	4.23E-08	3.71E-08	1.60E-09	3.85E-08	8.50E-09	1.39E-08	2.20E-08	3.88E-09	2.44E-09	9.09E-08
1806	494711.06	3859101.99	1.35E-04	1.65E-04	1.45E-04	4.67E-08	1.41E-07	8.17E-08	1.00E-07	9.07E-08	4.14E-08	3.63E-08	1.56E-09	3.77E-08	8.32E-09	1.36E-08	2.16E-08	3.80E-09	2.39E-09	8.89E-08
1807	494761.06	3859101.99	1.34E-04	1.64E-04	1.44E-04	4.65E-08	1.40E-07	8.12E-08	9.95E-08	9.02E-08	4.12E-08	3.61E-08	1.55E-09	3.75E-08	8.27E-09	1.35E-08	2.14E-08	3.78E-09	2.38E-09	8.84E-08
1808	494811.06	3859101.99	1.32E-04	1.62E-04	1.42E-04	4.58E-08	1.38E-07	8.00E-08	9.80E-08	8.89E-08	4.05E-08	3.55E-08	1.53E-09	3.69E-08	8.15E-09	1.33E-08	2.11E-08	3.72E-09	2.34E-09	8.71E-08
1809	494861.06	3859101.99	1.30E-04	1.60E-04	1.40E-04	4.52E-08	1.36E-07	7.90E-08	9.67E-08	8.77E-08	4.00E-08	3.50E-08	1.51E-09	3.64E-08	8.04E-09	1.31E-08	2.08E-08	3.67E-09	2.31E-09	8.59E-08
1810	494911.06	3859101.99	1.28E-04	1.56E-04	1.37E-04	4.43E-08	1.34E-07	7.74E-08	9.48E-08	8.59E-08	3.92E-08	3.43E-08	1.48E-09	3.57E-08	7.88E-09	1.29E-08	2.04E-08	3.60E-09	2.27E-09	8.42E-08
1811	494961.06	3859101.99	1.24E-04	1.52E-04	1.33E-04	4.29E-08	1.29E-07	7.50E-08	9.18E-08	8.32E-08	3.80E-08	3.33E-08	1.43E-09	3.46E-08	7.63E-09	1.25E-08	1.98E-08	3.48E-09	2.19E-09	8.16E-08
1812	495011.06	3859101.99	1.19E-04	1.46E-04	1.28E-04	4.14E-08	1.25E-07	7.24E-08	8.86E-08	8.04E-08	3.67E-08	3.21E-08	1.38E-09	3.34E-08	7.37E-09	1.20E-08	1.91E-08	3.36E-09	2.12E-09	7.88E-08
1813	495061.06	3859101.99	1.19E-04	1.46E-04	1.28E-04	4.14E-08	1.25E-07	7.24E-08	8.86E-08	8.03E-08	3.67E-08	3.21E-08	1.38E-09	3.34E-08	7.37E-09	1.20E-08	1.91E-08	3.36E-09	2.12E-09	7.87E-08
1814	495111.06	3859101.99	1.18E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.16E-08	8.77E-08	7.95E-08	3.63E-08	3.18E-08	1.37E-09	3.31E-08	7.29E-09	1.19E-08	1.89E-08	3.33E-09	2.10E-09	7.80E-08
1815	495161.06	3859101.99	1.19E-04	1.46E-04	1.28E-04	4.12E-08	1.25E-07	7.21E-08	8.83E-08	8.00E-08	3.65E-08	3.20E-08	1.38E-09	3.33E-08	7.34E-09	1.20E-08	1.90E-08	3.35E-09	2.11E-09	7.85E-08
1816	495211.06	3859101.99	1.18E-04	1.44E-04	1.27E-04	4.09E-08	1.23E-07	7.14E-08	8.75E-08	7.93E-08	3.62E-08	3.17E-08	1.36E-09	3.30E-08	7.27E-09	1.19E-08	1.88E-08	3.32E-09	2.09E-09	7.77E-08
1817	495261.06	3859101.99	1.18E-04	1.44E-04	1.27E-04	4.09E-08	1.23E-07	7.14E-08	8.75E-08	7.93E-08	3.62E-08	3.17E-08	1.36E-09	3.30E-08	7.27E-09	1.19E-08	1.88E-08	3.32E-09	2.09E-09	7.77E-08
1818	495311.06	3859101.99	1.18E-04	1.44E-04	1.26E-04	4.08E-08	1.23E-07	7.12E-08	8.73E-08	7.91E-08	3.61E-08	3.16E-08	1.36E-09	3.29E-08	7.25E-09	1.18E-08	1.88E-08	3.31E-09	2.09E-09	7.75E-08
1819	495361.06	3859101.99	1.18E-04	1.44E-04	1.26E-04	4.07E-08	1.23E-07	7.12E-08	8.72E-08	7.91E-08	3.61E-08	3.16E-08	1.36E-09	3.29E-08	7.25E-09	1.18E-08	1.88E-08	3.31E-09	2.08E-09	7.75E-08
1820	495411.06	3859101.99	1.17E-04	1.44E-04	1.26E-04	4.06E-08	1.23E-07	7.10E-08	8.70E-08	7.89E-08	3.60E-08	3.15E-08	1.36E-09	3.28E-08	7.23E-09	1.18E-08	1.87E-08	3.30E-09	2.08E-09	7.73E-08
1821	495461.06	3859101.99	1.16E-04	1.43E-04	1.25E-04	4.03E-08	1.22E-07	7.05E-08	8.64E-08	7.83E-08	3.57E-08	3.13E-08	1.35E-09	3.25E-08	7.18E-09	1.17E-08	1.86E-08	3.28E-09	2.06E-09	7.67E-08
1822	495511.06	3859101.99	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.02E-08	8.59E-08	7.79E-08	3.55E-08	3.11E-08	1.34E-09	3.24E-08	7.14E-09	1.17E-08	1.85E-08	3.26E-09	2.05E-09	7.63E-08
1823	495561.06	3859101.99	1.15E-04	1.40E-04	1.23E-04	3.97E-08	1.20E-07	6.95E-08	8.51E-08	7.71E-08	3.52E-08	3.08E-08	1.33E-09	3.21E-08	7.07E-09	1.15E-08	1.83E-08	3.23E-09	2.03E-09	7.56E-08

1824	495611.06	3859101.99	1.13E-04	1.39E-04	1.22E-04	3.93E-08	1.19E-07	6.87E-08	8.42E-08	7.63E-08	3.48E-08	3.05E-08	1.31E-09	3.17E-08	7.00E-09	1.14E-08	1.81E-08	3.20E-09	2.01E-09	7.48E-08
1825	495661.06	3859101.99	1.13E-04	1.39E-04	1.22E-04	3.93E-08	1.19E-07	6.87E-08	8.41E-08	7.62E-08	3.48E-08	3.05E-08	1.31E-09	3.17E-08	6.99E-09	1.14E-08	1.81E-08	3.19E-09	2.01E-09	7.47E-08
1826	494311.06	3859151.99	1.49E-04	1.83E-04	1.60E-04	5.17E-08	1.56E-07	9.04E-08	1.11E-07	1.00E-07	4.58E-08	4.01E-08	1.73E-09	4.17E-08	9.21E-09	1.50E-08	2.39E-08	4.20E-09	2.65E-09	9.84E-08
1827	494361.06	3859151.99	1.49E-04	1.82E-04	1.59E-04	5.15E-08	1.55E-07	9.00E-08	1.10E-07	9.99E-08	4.56E-08	3.99E-08	1.72E-09	4.15E-08	9.16E-09	1.50E-08	2.37E-08	4.18E-09	2.63E-09	9.79E-08
1828	494411.06	3859151.99	1.47E-04	1.80E-04	1.58E-04	5.09E-08	1.54E-07	8.90E-08	1.09E-07	9.89E-08	4.51E-08	3.95E-08	1.70E-09	4.11E-08	9.07E-09	1.48E-08	2.35E-08	4.14E-09	2.61E-09	9.69E-08
1829	494461.06	3859151.99	1.45E-04	1.78E-04	1.56E-04	5.04E-08	1.52E-07	8.81E-08	1.08E-07	9.78E-08	4.46E-08	3.91E-08	1.68E-09	4.06E-08	8.97E-09	1.46E-08	2.32E-08	4.09E-09	2.58E-09	9.58E-08
1830	494511.06	3859151.99	1.43E-04	1.75E-04	1.54E-04	4.96E-08	1.50E-07	8.68E-08	1.06E-07	9.64E-08	4.40E-08	3.85E-08	1.66E-09	4.00E-08	8.84E-09	1.44E-08	2.29E-08	4.03E-09	2.54E-09	9.44E-08
1831	494561.06	3859151.99	1.42E-04	1.74E-04	1.52E-04	4.92E-08	1.49E-07	8.60E-08	1.05E-07	9.55E-08	4.36E-08	3.82E-08	1.64E-09	3.97E-08	8.76E-09	1.43E-08	2.27E-08	4.00E-09	2.52E-09	9.36E-08
1832	494611.06	3859151.99	1.40E-04	1.71E-04	1.50E-04	4.84E-08	1.46E-07	8.47E-08	1.04E-07	9.40E-08	4.29E-08	3.76E-08	1.62E-09	3.91E-08	8.62E-09	1.41E-08	2.23E-08	3.94E-09	2.48E-09	9.22E-08
1833	494661.06	3859151.99	1.38E-04	1.69E-04	1.48E-04	4.79E-08	1.45E-07	8.38E-08	1.03E-07	9.30E-08	4.25E-08	3.72E-08	1.60E-09	3.87E-08	8.53E-09	1.39E-08	2.21E-08	3.90E-09	2.45E-09	9.12E-08
1834	494711.06	3859151.99	1.37E-04	1.68E-04	1.47E-04	4.75E-08	1.43E-07	8.31E-08	1.02E-07	9.22E-08	4.21E-08	3.69E-08	1.59E-09	3.83E-08	8.46E-09	1.38E-08	2.19E-08	3.86E-09	2.43E-09	9.04E-08
1835	494761.06	3859151.99	1.35E-04	1.65E-04	1.44E-04	4.66E-08	1.41E-07	8.15E-08	9.98E-08	9.05E-08	4.13E-08	3.62E-08	1.56E-09	3.76E-08	8.30E-09	1.36E-08	2.15E-08	3.79E-09	2.39E-09	8.87E-08
1836	494811.06	3859151.99	1.32E-04	1.62E-04	1.42E-04	4.59E-08	1.38E-07	8.02E-08	9.82E-08	8.90E-08	4.06E-08	3.56E-08	1.53E-09	3.70E-08	8.16E-09	1.33E-08	2.11E-08	3.73E-09	2.35E-09	8.72E-08
1837	494861.06	3859151.99	1.31E-04	1.60E-04	1.40E-04	4.53E-08	1.37E-07	7.93E-08	9.71E-08	8.80E-08	4.02E-08	3.52E-08	1.51E-09	3.66E-08	8.07E-09	1.32E-08	2.09E-08	3.69E-09	2.32E-09	8.63E-08
1838	494911.06	3859151.99	1.28E-04	1.57E-04	1.37E-04	4.44E-08	1.34E-07	7.76E-08	9.50E-08	8.61E-08	3.93E-08	3.44E-08	1.48E-09	3.58E-08	7.90E-09	1.29E-08	2.05E-08	3.61E-09	2.27E-09	8.44E-08
1839	494961.06	3859151.99	1.24E-04	1.52E-04	1.33E-04	4.31E-08	1.30E-07	7.53E-08	9.23E-08	8.37E-08	3.82E-08	3.34E-08	1.44E-09	3.48E-08	7.67E-09	1.25E-08	1.99E-08	3.50E-09	2.21E-09	8.20E-08
1840	495011.06	3859151.99	1.21E-04	1.48E-04	1.29E-04	4.18E-08	1.26E-07	7.30E-08	8.94E-08	8.11E-08	3.70E-08	3.24E-08	1.40E-09	3.37E-08	7.44E-09	1.21E-08	1.93E-08	3.40E-09	2.14E-09	7.95E-08
1841	495061.06	3859151.99	1.20E-04	1.47E-04	1.29E-04	4.16E-08	1.26E-07	7.28E-08	8.92E-08	8.08E-08	3.69E-08	3.23E-08	1.39E-09	3.36E-08	7.41E-09	1.21E-08	1.92E-08	3.38E-09	2.13E-09	7.92E-08
1842	495111.06	3859151.99	1.19E-04	1.46E-04	1.28E-04	4.14E-08	1.25E-07	7.24E-08	8.86E-08	8.03E-08	3.67E-08	3.21E-08	1.38E-09	3.34E-08	7.37E-09	1.20E-08	1.91E-08	3.36E-09	2.12E-09	7.88E-08
1843	495161.06	3859151.99	1.20E-04	1.47E-04	1.29E-04	4.16E-08	1.26E-07	7.28E-08	8.92E-08	8.08E-08	3.69E-08	3.23E-08	1.39E-09	3.36E-08	7.41E-09	1.21E-08	1.92E-08	3.38E-09	2.13E-09	7.92E-08
1844	495211.06	3859151.99	1.20E-04	1.46E-04	1.28E-04	4.14E-08	1.25E-07	7.24E-08	8.87E-08	8.04E-08	3.67E-08	3.22E-08	1.38E-09	3.34E-08	7.38E-09	1.20E-08	1.91E-08	3.37E-09	2.12E-09	7.88E-08
1845	495261.06	3859151.99	1.19E-04	1.46E-04	1.28E-04	4.13E-08	1.25E-07	7.21E-08	8.83E-08	8.01E-08	3.65E-08	3.20E-08	1.38E-09	3.33E-08	7.34E-09	1.20E-08	1.90E-08	3.35E-09	2.11E-09	7.85E-08
1846	495311.06	3859151.99	1.19E-04	1.45E-04	1.27E-04	4.11E-08	1.24E-07	7.19E-08	8.80E-08	7.98E-08	3.64E-08	3.19E-08	1.37E-09	3.32E-08	7.32E-09	1.20E-08	1.90E-08	3.34E-09	2.10E-09	7.82E-08
1847	495361.06	3859151.99	1.18E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.16E-08	8.77E-08	7.95E-08	3.63E-08	3.18E-08	1.37E-09	3.30E-08	7.29E-09	1.19E-08	1.89E-08	3.33E-09	2.10E-09	7.79E-08
1848	495411.06	3859151.99	1.19E-04	1.45E-04	1.27E-04	4.11E-08	1.24E-07	7.19E-08	8.81E-08	7.98E-08	3.64E-08	3.19E-08	1.37E-09	3.32E-08	7.32E-09	1.20E-08	1.90E-08	3.34E-09	2.10E-09	7.82E-08
1849	495461.06	3859151.99	1.18E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.16E-08	8.77E-08	7.95E-08	3.63E-08	3.18E-08	1.37E-09	3.31E-08	7.29E-09	1.19E-08	1.89E-08	3.33E-09	2.10E-09	7.80E-08
1850	495511.06	3859151.99	1.17E-04	1.43E-04	1.25E-04	4.05E-08	1.22E-07	7.08E-08	8.67E-08	7.86E-08	3.59E-08	3.14E-08	1.35E-09	3.27E-08	7.21E-09	1.18E-08	1.87E-08	3.29E-09	2.07E-09	7.71E-08
1851	495561.06	3859151.99	1.16E-04	1.42E-04	1.24E-04	4.02E-08	1.21E-07	7.02E-08	8.60E-08	7.80E-08	3.56E-08	3.12E-08	1.34E-09	3.24E-08	7.15E-09	1.17E-08	1.85E-08	3.27E-09	2.06E-09	7.64E-08
1852	495611.06	3859151.99	1.15E-04	1.41E-04	1.24E-04	3.99E-08	1.20E-07	6.98E-08	8.54E-08	7.74E-08	3.53E-08	3.10E-08	1.33E-09	3.22E-08	7.10E-09	1.16E-08	1.84E-08	3.24E-09	2.04E-09	7.59E-08
1853	495661.06	3859151.99	1.14E-04	1.40E-04	1.23E-04	3.97E-08	1.20E-07	6.93E-08	8.49E-08	7.70E-08	3.51E-08	3.08E-08	1.32E-09	3.20E-08	7.06E-09	1.15E-08	1.83E-08	3.22E-09	2.03E-09	7.55E-08
1854	494311.06	3859201.99	1.49E-04	1.83E-04	1.60E-04	5.17E-08	1.56E-07	9.03E-08	1.11E-07	1.00E-07	4.58E-08	4.01E-08	1.73E-09	4.17E-08	9.20E-09	1.50E-08	2.38E-08	4.20E-09	2.65E-09	9.83E-08
1855	494361.06	3859201.99	1.48E-04	1.81E-04	1.59E-04	5.13E-08	1.55E-07	8.97E-08	1.10E-07	9.96E-08	4.55E-08	3.98E-08	1.71E-09	4.14E-08	9.14E-09	1.49E-08	2.37E-08	4.17E-09	2.63E-09	9.76E-08
1856	494411.06	3859201.99	1.47E-04	1.80E-04	1.58E-04	5.09E-08	1.54E-07	8.89E-08	1.09E-07	9.87E-08	4.51E-08	3.95E-08	1.70E-09	4.10E-08	9.06E-09	1.48E-08	2.35E-08	4.13E-09	2.60E-09	9.68E-08
1857	494461.06	3859201.99	1.45E-04	1.78E-04	1.56E-04	5.02E-08	1.52E-07	8.78E-08	1.08E-07	9.75E-08	4.45E-08	3.90E-08	1.68E-09	4.05E-08	8.94E-09	1.46E-08	2.32E-08	4.08E-09	2.57E-09	9.55E-08
1858	494511.06	3859201.99	1.44E-04	1.76E-04	1.54E-04	4.98E-08	1.50E-07	8.70E-08	1.07E-07	9.66E-08	4.41E-08	3.86E-08	1.66E-09	4.01E-08	8.86E-09	1.45E-08	2.30E-08	4.04E-09	2.55E-09	9.47E-08
1859	494561.06	3859201.99	1.41E-04	1.73E-04	1.52E-04	4.90E-08	1.48E-07	8.57E-08	1.05E-07	9.52E-08	4.34E-08	3.80E-08	1.64E-09	3.96E-08	8.73E-09	1.43E-08	2.26E-08	3.99E-09	2.51E-09	9.33E-08
1860	494611.06	3859201.99	1.40E-04	1.71E-04	1.50E-04	4.84E-08	1.46E-07	8.47E-08	1.04E-07	9.40E-08	4.29E-08	3.76E-08	1.62E-09	3.91E-08	8.62E-09	1.41E-08	2.23E-08	3.94E-09	2.48E-09	9.21E-08
1861	494661.06	3859201.99	1.38E-04	1.70E-04	1.49E-04	4.80E-08	1.45E-07	8.38E-08	1.03E-07	9.31E-08	4.25E-08	3.72E-08	1.60E-09	3.87E-08	8.54E-09	1.39E-08	2.21E-08	3.90E-09	2.45E-09	9.12E-08
1862	494711.06	3859201.99	1.37E-04	1.68E-04	1.47E-04	4.75E-08	1.43E-07	8.30E-08	1.02E-07	9.21E-08	4.20E-08	3.68E-08	1.59E-09	3.83E-08	8.45E-09	1.38E-08	2.19E-08	3.86E-09	2.43E-09	9.03E-08
1863	494761.06	3859201.99	1.35E-04	1.65E-04	1.45E-04	4.67E-08	1.41E-07	8.16E-08	9.99E-08	9.06E-08	4.13E-08	3.62E-08	1.56E-09	3.76E-08	8.31E-09	1.36E-08	2.15E-08	3.79E-09	2.39E-09	8.88E-08
1864	494811.06	3859201.99	1.33E-04	1.63E-04	1.42E-04	4.60E-08	1.39E-07	8.04E-08	9.85E-08	8.93E-08	4.07E-08	3.57E-08	1.54E-09	3.71E-08	8.19E-09	1.34E-08	2.12E-08	3.74E-09	2.35E-09	8.75E-08
1865	494861.06	3859201.99	1.31E-04	1.60E-04	1.40E-04	4.52E-08	1.37E-07	7.91E-08	9.68E-08	8.78E-08	4.01E-08	3.51E-08	1.51E-09	3.65E-08	8.05E-09	1.31E-08	2.09E-08	3.68E-09	2.31E-09	8.60E-08
1866	494911.06	3859201.99	1.27E-04	1.56E-04	1.37E-04	4.42E-08	1.33E-07	7.72E-08	9.46E-08	8.57E-08	3.91E-08	3.43E-08	1.48E-09	3.56E-08	7.86E-09	1.28E-08	2.04E-08	3.59E-09	2.26E-09	8.40E-08
1867	494961.06	3859201.99	1.24E-04	1.52E-04	1.33E-04	4.31E-08	1.30E-07	7.53E-08	9.22E-08	8.36E-08	3.81E-08	3.34E-08	1.44E-09	3.47E-08	7.67E-09	1.25E-08	1.99E-08	3.50E-09	2.20E-09	8.19E-08
1868	495011.06	3859201.99	1.20E-04	1.47E-04	1.29E-04	4.16E-08	1.26E-07	7.27E-08	8.90E-08	8.07E-08	3.68E-08	3.23E-08	1.39E-09	3.35E-08	7.40E-09	1.21E-08	1.92E-08	3.38E-09	2.13E-09	7.91E-08
1869	495061.06	3859201.99	1.21E-04	1.49E-04	1.30E-04	4.21E-08	1.27E-07	7.36E-08	9.01E-08	8.17E-08	3.73E-08	3.27E-08	1.41E-09	3.39E-08	7.49E-09	1.22E-08	1.94E-08	3.42E-09	2.15E-09	8.01E-08
1870	495111.06	3859201.99	1.21E-04	1.49E-04	1.30E-04	4.20E-08	1.27E-07	7.35E-08	9.00E-08	8.16E-08	3.72E-08	3.26E-08	1.40E-09	3.39E-08	7.48E-09	1.22E-08	1.94E-08	3.42E-09	2.15E-09	8.00E-08
1871	495161.06	3859201.99	1.21E-04	1.48E-04	1.30E-04	4.19E-08	1.27E-07	7.33E-08	8.98E-08	8.14E-08	3.71E-08	3.25E-08	1.40E-09	3.38E-08	7.46E-09	1.22E-08	1.93E-08	3.41E-09	2.15E-09	7.98E-08
1872	495211.06	3859201.99	1.20E-04	1.47E-04	1.29E-04	4.16E-08	1.26E-07	7.27E-08	8.91E-08	8.07E-08	3.68E-08	3.23E-08	1.39E-09	3.36E-08	7.40E-09	1.21E-08	1.92E-08	3.38E-09	2.13E-09	7.91E-08
1873	495261.06	3859201.99	1.20E-04	1.47E-04	1.29E-04	4.16E-08	1.26E-07	7.27E-08	8.90E-08	8.07E-08	3.68E-08	3.23E-08	1.39E-09	3.35E-08	7.40E-09	1.21E-08	1.92E-08	3.38E-09	2.13E-09	7.91E-08
1874	495311.06	3859201.99	1.20E-04	1.46E-04	1.28E-04	4.14E-08	1.25E-07	7.24E-08	8.87E-08	8.04E-08	3.67E-08	3.22E-08	1.38E-09	3.34E-08	7.38E-09	1.20E-08	1.91E-08	3.37E-09	2.12E-09	7.88E-08
1875	495361.06	3859201.99	1.19E-04	1.46E-04	1.28E-04	4.14E-08	1.25E-07	7.23E-08	8.85E-08	8.03E-08	3.66E-08	3.21E-08	1.38E-09	3.34E-08	7.36E-09	1.20E-08	1.91E-08	3.36E-09	2.12E-09	7.87E-08
1876	495411.06	3859201.99	1.20E-04	1.47E-04	1.28E-04	4.15E-08	1.25E-07	7.25E-08	8.88E-08	8.05E-08	3.67E-08	3.22E-08	1.38E-09	3.34E-08	7.38E-09	1.21E-08	1.91E-08	3.37E-09	2.12E-09	7.89E-08
1877	495461.06	3859201.99	1.19E-04	1.46E-04	1.28E-04	4.12E-08	1.24E-07	7.21E-08	8.83E-08	8.00E-08	3.65E-08	3.20E-08	1.38E-09	3.33E-08	7.34E-09	1.20E-08	1.90E-08	3.35E-09	2.11E-09	7.84E-08
1878	495511.06	3859201.99	1.18E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.17E-08	8.78E-08	7.96E-08	3.63E-08	3.18E-08	1.37E-09	3.31E-08	7.30E-09	1.19E-08	1.89E-08	3.33E-09	2.10E-09	7.80E-08
1879	495561.06	3859201.99	1.17E-04	1.43E-04	1.25E-04	4.05E-08	1.22E-07	7.08E-08	8.67E-08	7.86E-08	3.59E-08	3.14E-08	1.35E-09	3.27E-08	7.21E-09	1.18E-08	1.87E-08	3.29E-09	2.07E-09	7.71E-08
1880	495611.06	3859201.99	1.16E-04	1.42E-04	1.24E-04	4.02E-08	1.21E-07	7.02E-08	8.60E-08	7.80E-08	3.56E-08	3.12E-08	1.34E-09	3.24E-08	7.15E-09	1.17E-08	1.85E-08	3.26E-09	2.06E-09	7.64E-08
1881	495661.06	3859201.99	1.15E-04	1.41E-04	1.24E-04	3.99E-08	1.21E-07	6.98E-08	8.55E-08	7.75E-08	3.54E-08	3.10E-08	1.33E-09	3.22E-08	7.11E-09	1.16E-08	1.84E-08	3.25E-09	2.04E-09	7.60E-08
1882	494311.06	3859251.99	1.49E-04	1.82E-04	1.60E-04	5.16E-08	1.56E-07	9.01E-08	1.10E-07	1.00E-07	4.57E-08	4.00E-08	1.72E-09	4.16E-08	9.18E-09	1.50E-08	2.38E-08	4.19E-09	2.64E-09	9.81E-08
1883	494361.06	3859251.99	1.47E-04	1.81E-04	1.58E-04	5.11E-08	1.54E-07	8.93E-08	1.09E-07	9.91E-08	4.52E-08	3.96E-08	1.71E-09	4.12E-08	9.09E-09	1.48E-08	2.36E-08	4.15E-09	2.61E-09	9.72E-08
1884	494411.06	3859251.99	1.46E-04	1.78E-04	1.56E-04	5.05E-08	1.52E-07	8.82E-08	1.08E-07	9.79E-08	4.47E-08	3.92E-08	1.69E-09	4.07E-08	8.98E-09	1.47E-08	2.33E-08	4.10E-09	2.58E-09	9.60E-08

1885	494461.06	3859251.99	1.44E-04	1.77E-04	1.55E-04	5.00E-08	1.51E-07	8.75E-08	1.07E-07	9.71E-08	4.43E-08	3.88E-08	1.67E-09	4.04E-08	8.91E-09	1.45E-08	2.31E-08	4.07E-09	2.56E-09	9.52E-08
1886	494511.06	3859251.99	1.42E-04	1.74E-04	1.53E-04	4.93E-08	1.49E-07	8.62E-08	1.06E-07	9.58E-08	4.37E-08	3.83E-08	1.65E-09	3.98E-08	8.78E-09	1.43E-08	2.28E-08	4.01E-09	2.53E-09	9.39E-08
1887	494561.06	3859251.99	1.41E-04	1.73E-04	1.51E-04	4.89E-08	1.48E-07	8.54E-08	1.05E-07	9.48E-08	4.33E-08	3.79E-08	1.63E-09	3.94E-08	8.70E-09	1.42E-08	2.25E-08	3.97E-09	2.50E-09	9.30E-08
1888	494611.06	3859251.99	1.39E-04	1.71E-04	1.49E-04	4.82E-08	1.46E-07	8.43E-08	1.03E-07	9.36E-08	4.27E-08	3.74E-08	1.61E-09	3.89E-08	8.59E-09	1.40E-08	2.22E-08	3.92E-09	2.47E-09	9.18E-08
1889	494661.06	3859251.99	1.38E-04	1.69E-04	1.48E-04	4.79E-08	1.45E-07	8.37E-08	1.03E-07	9.30E-08	4.24E-08	3.72E-08	1.60E-09	3.86E-08	8.52E-09	1.39E-08	2.21E-08	3.89E-09	2.45E-09	9.11E-08
1890	494711.06	3859251.99	1.37E-04	1.68E-04	1.47E-04	4.74E-08	1.43E-07	8.29E-08	1.02E-07	9.20E-08	4.20E-08	3.68E-08	1.58E-09	3.83E-08	8.44E-09	1.38E-08	2.19E-08	3.85E-09	2.43E-09	9.02E-08
1891	494761.06	3859251.99	1.34E-04	1.64E-04	1.43E-04	4.63E-08	1.40E-07	8.09E-08	9.91E-08	8.98E-08	4.10E-08	3.59E-08	1.55E-09	3.73E-08	8.24E-09	1.34E-08	2.13E-08	3.76E-09	2.37E-09	8.80E-08
1892	494811.06	3859251.99	1.33E-04	1.63E-04	1.43E-04	4.60E-08	1.39E-07	8.05E-08	9.86E-08	8.94E-08	4.08E-08	3.57E-08	1.54E-09	3.71E-08	8.20E-09	1.34E-08	2.12E-08	3.74E-09	2.36E-09	8.76E-08
1893	494861.06	3859251.99	1.30E-04	1.59E-04	1.39E-04	4.50E-08	1.36E-07	7.86E-08	9.62E-08	8.72E-08	3.98E-08	3.49E-08	1.50E-09	3.63E-08	8.00E-09	1.31E-08	2.07E-08	3.65E-09	2.30E-09	8.55E-08
1894	494911.06	3859251.99	1.27E-04	1.55E-04	1.36E-04	4.39E-08	1.33E-07	7.68E-08	9.41E-08	8.53E-08	3.89E-08	3.41E-08	1.47E-09	3.54E-08	7.82E-09	1.28E-08	2.03E-08	3.57E-09	2.25E-09	8.36E-08
1895	494961.06	3859251.99	1.25E-04	1.53E-04	1.34E-04	4.34E-08	1.31E-07	7.58E-08	9.29E-08	8.42E-08	3.84E-08	3.37E-08	1.45E-09	3.50E-08	7.72E-09	1.26E-08	2.00E-08	3.53E-09	2.22E-09	8.25E-08
1896	495011.06	3859251.99	1.23E-04	1.51E-04	1.32E-04	4.27E-08	1.29E-07	7.47E-08	9.15E-08	8.29E-08	3.78E-08	3.32E-08	1.43E-09	3.45E-08	7.61E-09	1.24E-08	1.97E-08	3.47E-09	2.19E-09	8.13E-08
1897	495061.06	3859251.99	1.23E-04	1.51E-04	1.32E-04	4.27E-08	1.29E-07	7.47E-08	9.15E-08	8.30E-08	3.79E-08	3.32E-08	1.43E-09	3.45E-08	7.61E-09	1.24E-08	1.97E-08	3.47E-09	2.19E-09	8.13E-08
1898	495111.06	3859251.99	1.23E-04	1.50E-04	1.32E-04	4.25E-08	1.28E-07	7.42E-08	9.09E-08	8.24E-08	3.76E-08	3.30E-08	1.42E-09	3.43E-08	7.56E-09	1.23E-08	1.96E-08	3.45E-09	2.17E-09	8.08E-08
1899	495161.06	3859251.99	1.22E-04	1.50E-04	1.31E-04	4.23E-08	1.28E-07	7.40E-08	9.06E-08	8.22E-08	3.75E-08	3.29E-08	1.41E-09	3.41E-08	7.54E-09	1.23E-08	1.95E-08	3.44E-09	2.17E-09	8.05E-08
1900	495211.06	3859251.99	1.21E-04	1.49E-04	1.30E-04	4.20E-08	1.27E-07	7.35E-08	9.00E-08	8.16E-08	3.72E-08	3.26E-08	1.40E-09	3.39E-08	7.48E-09	1.22E-08	1.94E-08	3.42E-09	2.15E-09	8.00E-08
1901	495261.06	3859251.99	1.21E-04	1.48E-04	1.30E-04	4.19E-08	1.27E-07	7.33E-08	8.98E-08	8.14E-08	3.71E-08	3.25E-08	1.40E-09	3.38E-08	7.47E-09	1.22E-08	1.93E-08	3.41E-09	2.15E-09	7.98E-08
1902	495311.06	3859251.99	1.21E-04	1.48E-04	1.30E-04	4.19E-08	1.26E-07	7.32E-08	8.97E-08	8.13E-08	3.71E-08	3.25E-08	1.40E-09	3.38E-08	7.46E-09	1.22E-08	1.93E-08	3.40E-09	2.14E-09	7.97E-08
1903	495361.06	3859251.99	1.20E-04	1.47E-04	1.29E-04	4.17E-08	1.26E-07	7.29E-08	8.93E-08	8.09E-08	3.69E-08	3.24E-08	1.39E-09	3.36E-08	7.42E-09	1.21E-08	1.92E-08	3.39E-09	2.13E-09	7.93E-08
1904	495411.06	3859251.99	1.20E-04	1.48E-04	1.29E-04	4.17E-08	1.26E-07	7.30E-08	8.94E-08	8.10E-08	3.70E-08	3.24E-08	1.39E-09	3.37E-08	7.43E-09	1.21E-08	1.93E-08	3.39E-09	2.14E-09	7.94E-08
1905	495461.06	3859251.99	1.20E-04	1.47E-04	1.29E-04	4.15E-08	1.25E-07	7.26E-08	8.89E-08	8.06E-08	3.68E-08	3.22E-08	1.39E-09	3.35E-08	7.39E-09	1.21E-08	1.92E-08	3.38E-09	2.13E-09	7.90E-08
1906	495511.06	3859251.99	1.18E-04	1.45E-04	1.27E-04	4.11E-08	1.24E-07	7.18E-08	8.79E-08	7.97E-08	3.64E-08	3.19E-08	1.37E-09	3.31E-08	7.31E-09	1.19E-08	1.89E-08	3.34E-09	2.10E-09	7.81E-08
1907	495561.06	3859251.99	1.18E-04	1.44E-04	1.26E-04	4.08E-08	1.23E-07	7.13E-08	8.73E-08	7.91E-08	3.61E-08	3.16E-08	1.36E-09	3.29E-08	7.26E-09	1.19E-08	1.88E-08	3.31E-09	2.09E-09	7.76E-08
1908	495611.06	3859251.99	1.16E-04	1.43E-04	1.25E-04	4.04E-08	1.22E-07	7.06E-08	8.64E-08	7.83E-08	3.57E-08	3.13E-08	1.35E-09	3.26E-08	7.19E-09	1.17E-08	1.86E-08	3.28E-09	2.07E-09	7.68E-08
1909	495661.06	3859251.99	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.01E-08	8.58E-08	7.78E-08	3.55E-08	3.11E-08	1.34E-09	3.23E-08	7.14E-09	1.17E-08	1.85E-08	3.26E-09	2.05E-09	7.63E-08
1910	494311.06	3859301.99	1.48E-04	1.81E-04	1.59E-04	5.13E-08	1.55E-07	8.97E-08	1.10E-07	9.96E-08	4.54E-08	3.98E-08	1.71E-09	4.14E-08	9.13E-09	1.49E-08	2.37E-08	4.17E-09	2.63E-09	9.76E-08
1911	494361.06	3859301.99	1.47E-04	1.80E-04	1.57E-04	5.08E-08	1.53E-07	8.88E-08	1.09E-07	9.86E-08	4.50E-08	3.94E-08	1.70E-09	4.10E-08	9.05E-09	1.48E-08	2.34E-08	4.13E-09	2.60E-09	9.67E-08
1912	494411.06	3859301.99	1.45E-04	1.78E-04	1.56E-04	5.02E-08	1.52E-07	8.78E-08	1.08E-07	9.75E-08	4.45E-08	3.90E-08	1.68E-09	4.05E-08	8.94E-09	1.46E-08	2.32E-08	4.08E-09	2.57E-09	9.56E-08
1913	494461.06	3859301.99	1.43E-04	1.75E-04	1.54E-04	4.96E-08	1.50E-07	8.68E-08	1.06E-07	9.64E-08	4.40E-08	3.85E-08	1.66E-09	4.00E-08	8.84E-09	1.44E-08	2.29E-08	4.03E-09	2.54E-09	9.44E-08
1914	494511.06	3859301.99	1.42E-04	1.74E-04	1.52E-04	4.91E-08	1.48E-07	8.58E-08	1.05E-07	9.53E-08	4.35E-08	3.81E-08	1.64E-09	3.96E-08	8.74E-09	1.43E-08	2.26E-08	3.99E-09	2.51E-09	9.34E-08
1915	494561.06	3859301.99	1.40E-04	1.72E-04	1.51E-04	4.87E-08	1.47E-07	8.51E-08	1.04E-07	9.45E-08	4.31E-08	3.78E-08	1.63E-09	3.93E-08	8.66E-09	1.41E-08	2.24E-08	3.96E-09	2.49E-09	9.26E-08
1916	494611.06	3859301.99	1.39E-04	1.70E-04	1.49E-04	4.82E-08	1.45E-07	8.42E-08	1.03E-07	9.35E-08	4.27E-08	3.74E-08	1.61E-09	3.89E-08	8.58E-09	1.40E-08	2.22E-08	3.92E-09	2.47E-09	9.16E-08
1917	494661.06	3859301.99	1.38E-04	1.69E-04	1.48E-04	4.77E-08	1.44E-07	8.34E-08	1.02E-07	9.26E-08	4.22E-08	3.70E-08	1.59E-09	3.85E-08	8.49E-09	1.39E-08	2.20E-08	3.88E-09	2.44E-09	9.07E-08
1918	494711.06	3859301.99	1.36E-04	1.66E-04	1.46E-04	4.71E-08	1.42E-07	8.23E-08	1.01E-07	9.14E-08	4.17E-08	3.65E-08	1.57E-09	3.80E-08	8.38E-09	1.37E-08	2.17E-08	3.83E-09	2.41E-09	8.96E-08
1919	494761.06	3859301.99	1.34E-04	1.65E-04	1.44E-04	4.66E-08	1.41E-07	8.14E-08	9.97E-08	9.04E-08	4.12E-08	3.61E-08	1.56E-09	3.76E-08	8.29E-09	1.35E-08	2.15E-08	3.79E-09	2.38E-09	8.86E-08
1920	494811.06	3859301.99	1.32E-04	1.62E-04	1.42E-04	4.58E-08	1.38E-07	8.01E-08	9.81E-08	8.89E-08	4.06E-08	3.55E-08	1.53E-09	3.70E-08	8.15E-09	1.33E-08	2.11E-08	3.72E-09	2.34E-09	8.71E-08
1921	494861.06	3859301.99	1.29E-04	1.58E-04	1.39E-04	4.47E-08	1.35E-07	7.82E-08	9.58E-08	8.68E-08	3.96E-08	3.47E-08	1.49E-09	3.61E-08	7.96E-09	1.30E-08	2.06E-08	3.63E-09	2.29E-09	8.51E-08
1922	494911.06	3859301.99	1.27E-04	1.56E-04	1.37E-04	4.42E-08	1.33E-07	7.72E-08	9.46E-08	8.57E-08	3.91E-08	3.43E-08	1.47E-09	3.56E-08	7.86E-09	1.28E-08	2.04E-08	3.59E-09	2.26E-09	8.40E-08
1923	494961.06	3859301.99	1.24E-04	1.52E-04	1.33E-04	4.31E-08	1.30E-07	7.53E-08	9.22E-08	8.36E-08	3.81E-08	3.34E-08	1.44E-09	3.47E-08	7.66E-09	1.25E-08	1.99E-08	3.50E-09	2.20E-09	8.19E-08
1924	495011.06	3859301.99	1.23E-04	1.51E-04	1.32E-04	4.26E-08	1.29E-07	7.45E-08	9.13E-08	8.27E-08	3.77E-08	3.31E-08	1.42E-09	3.44E-08	7.59E-09	1.24E-08	1.97E-08	3.46E-09	2.18E-09	8.11E-08
1925	495061.06	3859301.99	1.24E-04	1.52E-04	1.33E-04	4.31E-08	1.30E-07	7.53E-08	9.23E-08	8.36E-08	3.82E-08	3.34E-08	1.44E-09	3.48E-08	7.67E-09	1.25E-08	1.99E-08	3.50E-09	2.21E-09	8.20E-08
1926	495111.06	3859301.99	1.23E-04	1.50E-04	1.32E-04	4.25E-08	1.28E-07	7.43E-08	9.10E-08	8.25E-08	3.76E-08	3.30E-08	1.42E-09	3.43E-08	7.56E-09	1.24E-08	1.96E-08	3.45E-09	2.18E-09	8.08E-08
1927	495161.06	3859301.99	1.22E-04	1.50E-04	1.31E-04	4.23E-08	1.28E-07	7.40E-08	9.07E-08	8.22E-08	3.75E-08	3.29E-08	1.41E-09	3.42E-08	7.54E-09	1.23E-08	1.95E-08	3.44E-09	2.17E-09	8.06E-08
1928	495211.06	3859301.99	1.22E-04	1.50E-04	1.31E-04	4.24E-08	1.28E-07	7.42E-08	9.09E-08	8.24E-08	3.76E-08	3.29E-08	1.42E-09	3.42E-08	7.55E-09	1.23E-08	1.96E-08	3.45E-09	2.17E-09	8.07E-08
1929	495261.06	3859301.99	1.22E-04	1.50E-04	1.31E-04	4.24E-08	1.28E-07	7.41E-08	9.07E-08	8.23E-08	3.75E-08	3.29E-08	1.42E-09	3.42E-08	7.54E-09	1.23E-08	1.95E-08	3.44E-09	2.17E-09	8.06E-08
1930	495311.06	3859301.99	1.21E-04	1.48E-04	1.30E-04	4.20E-08	1.27E-07	7.34E-08	8.99E-08	8.15E-08	3.72E-08	3.26E-08	1.40E-09	3.39E-08	7.47E-09	1.22E-08	1.94E-08	3.41E-09	2.15E-09	7.98E-08
1931	495361.06	3859301.99	1.21E-04	1.48E-04	1.30E-04	4.20E-08	1.27E-07	7.33E-08	8.98E-08	8.14E-08	3.72E-08	3.26E-08	1.40E-09	3.38E-08	7.47E-09	1.22E-08	1.93E-08	3.41E-09	2.15E-09	7.98E-08
1932	495411.06	3859301.99	1.21E-04	1.48E-04	1.29E-04	4.18E-08	1.26E-07	7.31E-08	8.95E-08	8.12E-08	3.70E-08	3.24E-08	1.40E-09	3.37E-08	7.44E-09	1.22E-08	1.93E-08	3.40E-09	2.14E-09	7.95E-08
1933	495461.06	3859301.99	1.20E-04	1.47E-04	1.29E-04	4.17E-08	1.26E-07	7.29E-08	8.93E-08	8.10E-08	3.69E-08	3.24E-08	1.39E-09	3.37E-08	7.43E-09	1.21E-08	1.92E-08	3.39E-09	2.14E-09	7.94E-08
1934	495511.06	3859301.99	1.19E-04	1.46E-04	1.28E-04	4.14E-08	1.25E-07	7.23E-08	8.85E-08	8.03E-08	3.66E-08	3.21E-08	1.38E-09	3.34E-08	7.36E-09	1.20E-08	1.91E-08	3.36E-09	2.12E-09	7.87E-08
1935	495561.06	3859301.99	1.18E-04	1.44E-04	1.26E-04	4.08E-08	1.23E-07	7.12E-08	8.73E-08	7.91E-08	3.61E-08	3.16E-08	1.36E-09	3.29E-08	7.25E-09	1.18E-08	1.88E-08	3.31E-09	2.09E-09	7.75E-08
1936	495611.06	3859301.99	1.17E-04	1.43E-04	1.25E-04	4.05E-08	1.22E-07	7.08E-08	8.67E-08	7.86E-08	3.59E-08	3.14E-08	1.35E-09	3.27E-08	7.21E-09	1.18E-08	1.87E-08	3.29E-09	2.07E-09	7.70E-08
1937	495661.06	3859301.99	1.16E-04	1.42E-04	1.25E-04	4.02E-08	1.21E-07	7.03E-08	8.61E-08	7.81E-08	3.56E-08	3.12E-08	1.34E-09	3.24E-08	7.16E-09	1.17E-08	1.85E-08	3.27E-09	2.06E-09	7.65E-08
1938	494311.06	3859351.99	1.47E-04	1.80E-04	1.58E-04	5.09E-08	1.54E-07	8.89E-08	1.09E-07	9.87E-08	4.50E-08	3.95E-08	1.70E-09	4.10E-08	9.05E-09	1.48E-08	2.35E-08	4.13E-09	2.60E-09	9.67E-08
1939	494361.06	3859351.99	1.45E-04	1.78E-04	1.56E-04	5.04E-08	1.52E-07	8.81E-08	1.08E-07	9.78E-08	4.46E-08	3.91E-08	1.68E-09	4.07E-08	8.97E-09	1.47E-08	2.32E-08	4.10E-09	2.58E-09	9.59E-08
1940	494411.06	3859351.99	1.44E-04	1.76E-04	1.54E-04	4.98E-08	1.50E-07	8.71E-08	1.07E-07	9.67E-08	4.41E-08	3.87E-08	1.66E-09	4.02E-08	8.87E-09	1.45E-08	2.30E-08	4.05E-09	2.55E-09	9.48E-08
1941	494461.06	3859351.99	1.42E-04	1.74E-04	1.53E-04	4.93E-08	1.49E-07	8.61E-08	1.05E-07	9.56E-08	4.36E-08	3.82E-08	1.65E-09	3.97E-08	8.77E-09	1.43E-08	2.27E-08	4.00E-09	2.52E-09	9.37E-08
1942	494511.06	3859351.99	1.41E-04	1.72E-04	1.51E-04	4.88E-08	1.47E-07	8.53E-08	1.04E-07	9.47E-08	4.32E-08	3.79E-08	1.63E-09	3.93E-08	8.68E-09	1.42E-08	2.25E-08	3.96E-09	2.50E-09	9.28E-08
1943	494561.06	3859351.99	1.40E-04	1.71E-04	1.50E-04	4.84E-08	1.46E-07	8.46E-08	1.04E-07	9.39E-08	4.29E-08	3.76E-08	1.62E-09	3.90E-08	8.61E-09	1.41E-08	2.23E-08	3.93E-09	2.48E-09	9.21E-08
1944	494611.06	3859351.99	1.38E-04	1.69E-04	1.49E-04	4.80E-08	1.45E-07	8.38E-08	1.03E-07	9.31E-08	4.25E-08	3.72E-08	1.60E-09	3.87E-08	8.54E-09	1.39E-08	2.21E-08	3.90E-09	2.45E-09	9.12E-08
1945	494661.06	3859351.99	1.37E-04	1.68E-04	1.47E-04	4.75E-08	1.43E-07	8.30E-08	1.02E-07	9.22E-08	4.21E-08	3.69E-08	1.59E-09	3.83E-08	8.45E-09	1.38E-08	2.19E-08	3.86E-09	2.43E-09	9.03E-08

1946	494711.06	3859351.99	1.35E-04	1.66E-04	1.45E-04	4.69E-08	1.42E-07	8.20E-08	1.00E-07	9.10E-08	4.15E-08	3.64E-08	1.57E-09	3.78E-08	8.35E-09	1.36E-08	2.16E-08	3.81E-09	2.40E-09	8.92E-08
1947	494761.06	3859351.99	1.33E-04	1.63E-04	1.43E-04	4.61E-08	1.39E-07	8.06E-08	9.88E-08	8.95E-08	4.09E-08	3.58E-08	1.54E-09	3.72E-08	8.21E-09	1.34E-08	2.13E-08	3.75E-09	2.36E-09	8.78E-08
1948	494811.06	3859351.99	1.30E-04	1.59E-04	1.40E-04	4.51E-08	1.36E-07	7.88E-08	9.65E-08	8.74E-08	3.99E-08	3.50E-08	1.50E-09	3.63E-08	8.02E-09	1.31E-08	2.08E-08	3.66E-09	2.31E-09	8.57E-08
1949	494861.06	3859351.99	1.29E-04	1.58E-04	1.38E-04	4.46E-08	1.35E-07	7.80E-08	9.55E-08	8.66E-08	3.95E-08	3.46E-08	1.49E-09	3.60E-08	7.94E-09	1.30E-08	2.06E-08	3.63E-09	2.28E-09	8.49E-08
1950	494911.06	3859351.99	1.28E-04	1.57E-04	1.37E-04	4.43E-08	1.34E-07	7.75E-08	9.49E-08	8.60E-08	3.92E-08	3.44E-08	1.48E-09	3.57E-08	7.89E-09	1.29E-08	2.04E-08	3.60E-09	2.27E-09	8.43E-08
1951	494961.06	3859351.99	1.26E-04	1.55E-04	1.36E-04	4.38E-08	1.32E-07	7.66E-08	9.38E-08	8.50E-08	3.88E-08	3.40E-08	1.46E-09	3.53E-08	7.80E-09	1.27E-08	2.02E-08	3.56E-09	2.24E-09	8.33E-08
1952	495011.06	3859351.99	1.25E-04	1.53E-04	1.34E-04	4.34E-08	1.31E-07	7.59E-08	9.30E-08	8.43E-08	3.85E-08	3.37E-08	1.45E-09	3.50E-08	7.73E-09	1.26E-08	2.00E-08	3.53E-09	2.22E-09	8.26E-08
1953	495061.06	3859351.99	1.26E-04	1.54E-04	1.35E-04	4.36E-08	1.32E-07	7.62E-08	9.33E-08	8.46E-08	3.86E-08	3.38E-08	1.46E-09	3.52E-08	7.76E-09	1.27E-08	2.01E-08	3.54E-09	2.23E-09	8.29E-08
1954	495111.06	3859351.99	1.25E-04	1.53E-04	1.34E-04	4.32E-08	1.30E-07	7.55E-08	9.25E-08	8.38E-08	3.82E-08	3.35E-08	1.44E-09	3.48E-08	7.69E-09	1.26E-08	1.99E-08	3.51E-09	2.21E-09	8.21E-08
1955	495161.06	3859351.99	1.24E-04	1.52E-04	1.33E-04	4.30E-08	1.30E-07	7.51E-08	9.20E-08	8.34E-08	3.81E-08	3.33E-08	1.44E-09	3.47E-08	7.65E-09	1.25E-08	1.98E-08	3.49E-09	2.20E-09	8.17E-08
1956	495211.06	3859351.99	1.23E-04	1.51E-04	1.32E-04	4.27E-08	1.29E-07	7.47E-08	9.15E-08	8.30E-08	3.79E-08	3.32E-08	1.43E-09	3.45E-08	7.61E-09	1.24E-08	1.97E-08	3.47E-09	2.19E-09	8.13E-08
1957	495261.06	3859351.99	1.23E-04	1.51E-04	1.32E-04	4.26E-08	1.29E-07	7.45E-08	9.13E-08	8.28E-08	3.78E-08	3.31E-08	1.42E-09	3.44E-08	7.59E-09	1.24E-08	1.97E-08	3.47E-09	2.18E-09	8.11E-08
1958	495311.06	3859351.99	1.22E-04	1.50E-04	1.31E-04	4.23E-08	1.28E-07	7.39E-08	9.06E-08	8.21E-08	3.75E-08	3.28E-08	1.41E-09	3.41E-08	7.53E-09	1.23E-08	1.95E-08	3.44E-09	2.17E-09	8.05E-08
1959	495361.06	3859351.99	1.21E-04	1.49E-04	1.30E-04	4.21E-08	1.27E-07	7.36E-08	9.01E-08	8.17E-08	3.73E-08	3.27E-08	1.41E-09	3.40E-08	7.49E-09	1.22E-08	1.94E-08	3.42E-09	2.15E-09	8.01E-08
1960	495411.06	3859351.99	1.21E-04	1.48E-04	1.30E-04	4.20E-08	1.27E-07	7.34E-08	8.99E-08	8.15E-08	3.72E-08	3.26E-08	1.40E-09	3.39E-08	7.47E-09	1.22E-08	1.94E-08	3.41E-09	2.15E-09	7.99E-08
1961	495461.06	3859351.99	1.21E-04	1.48E-04	1.30E-04	4.19E-08	1.27E-07	7.33E-08	8.98E-08	8.14E-08	3.71E-08	3.25E-08	1.40E-09	3.38E-08	7.46E-09	1.22E-08	1.93E-08	3.41E-09	2.15E-09	7.98E-08
1962	495511.06	3859351.99	1.20E-04	1.47E-04	1.28E-04	4.15E-08	1.25E-07	7.25E-08	8.88E-08	8.05E-08	3.67E-08	3.22E-08	1.38E-09	3.34E-08	7.38E-09	1.21E-08	1.91E-08	3.37E-09	2.12E-09	7.89E-08
1963	495561.06	3859351.99	1.19E-04	1.45E-04	1.27E-04	4.11E-08	1.24E-07	7.18E-08	8.80E-08	7.98E-08	3.64E-08	3.19E-08	1.37E-09	3.31E-08	7.31E-09	1.19E-08	1.90E-08	3.34E-09	2.10E-09	7.82E-08
1964	495611.06	3859351.99	1.18E-04	1.44E-04	1.26E-04	4.08E-08	1.23E-07	7.14E-08	8.74E-08	7.93E-08	3.62E-08	3.17E-08	1.36E-09	3.29E-08	7.27E-09	1.19E-08	1.88E-08	3.32E-09	2.09E-09	7.77E-08
1965	495661.06	3859351.99	1.16E-04	1.43E-04	1.25E-04	4.03E-08	1.22E-07	7.05E-08	8.64E-08	7.83E-08	3.57E-08	3.13E-08	1.35E-09	3.25E-08	7.18E-09	1.17E-08	1.86E-08	3.28E-09	2.06E-09	7.67E-08
1966	494311.06	3859401.99	1.46E-04	1.78E-04	1.56E-04	5.05E-08	1.52E-07	8.83E-08	1.08E-07	9.80E-08	4.47E-08	3.92E-08	1.69E-09	4.07E-08	8.99E-09	1.47E-08	2.33E-08	4.10E-09	2.58E-09	9.60E-08
1967	494361.06	3859401.99	1.44E-04	1.76E-04	1.55E-04	4.99E-08	1.51E-07	8.73E-08	1.07E-07	9.69E-08	4.42E-08	3.88E-08	1.67E-09	4.03E-08	8.89E-09	1.45E-08	2.30E-08	4.06E-09	2.56E-09	9.50E-08
1968	494411.06	3859401.99	1.42E-04	1.74E-04	1.53E-04	4.94E-08	1.49E-07	8.63E-08	1.06E-07	9.58E-08	4.37E-08	3.83E-08	1.65E-09	3.98E-08	8.78E-09	1.43E-08	2.28E-08	4.01E-09	2.53E-09	9.39E-08
1969	494461.06	3859401.99	1.41E-04	1.73E-04	1.51E-04	4.89E-08	1.48E-07	8.54E-08	1.05E-07	9.49E-08	4.33E-08	3.79E-08	1.63E-09	3.94E-08	8.70E-09	1.42E-08	2.25E-08	3.97E-09	2.50E-09	9.30E-08
1970	494511.06	3859401.99	1.40E-04	1.72E-04	1.50E-04	4.86E-08	1.47E-07	8.49E-08	1.04E-07	9.42E-08	4.30E-08	3.77E-08	1.62E-09	3.92E-08	8.64E-09	1.41E-08	2.24E-08	3.95E-09	2.49E-09	9.24E-08
1971	494561.06	3859401.99	1.39E-04	1.70E-04	1.49E-04	4.82E-08	1.45E-07	8.42E-08	1.03E-07	9.35E-08	4.26E-08	3.74E-08	1.61E-09	3.88E-08	8.57E-09	1.40E-08	2.22E-08	3.91E-09	2.47E-09	9.16E-08
1972	494611.06	3859401.99	1.38E-04	1.69E-04	1.48E-04	4.77E-08	1.44E-07	8.34E-08	1.02E-07	9.25E-08	4.22E-08	3.70E-08	1.59E-09	3.85E-08	8.49E-09	1.39E-08	2.20E-08	3.88E-09	2.44E-09	9.07E-08
1973	494661.06	3859401.99	1.37E-04	1.67E-04	1.47E-04	4.73E-08	1.43E-07	8.27E-08	1.01E-07	9.18E-08	4.19E-08	3.67E-08	1.58E-09	3.82E-08	8.42E-09	1.38E-08	2.18E-08	3.85E-09	2.42E-09	9.00E-08
1974	494711.06	3859401.99	1.35E-04	1.66E-04	1.45E-04	4.69E-08	1.42E-07	8.20E-08	1.00E-07	9.10E-08	4.15E-08	3.64E-08	1.57E-09	3.78E-08	8.35E-09	1.36E-08	2.16E-08	3.81E-09	2.40E-09	8.92E-08
1975	494761.06	3859401.99	1.33E-04	1.63E-04	1.43E-04	4.61E-08	1.39E-07	8.06E-08	9.88E-08	8.95E-08	4.09E-08	3.58E-08	1.54E-09	3.72E-08	8.21E-09	1.34E-08	2.13E-08	3.75E-09	2.36E-09	8.78E-08
1976	494811.06	3859401.99	1.31E-04	1.61E-04	1.41E-04	4.55E-08	1.37E-07	7.96E-08	9.74E-08	8.83E-08	4.03E-08	3.53E-08	1.52E-09	3.67E-08	8.10E-09	1.32E-08	2.10E-08	3.70E-09	2.33E-09	8.66E-08
1977	494861.06	3859401.99	1.29E-04	1.58E-04	1.39E-04	4.47E-08	1.35E-07	7.82E-08	9.58E-08	8.68E-08	3.96E-08	3.47E-08	1.49E-09	3.61E-08	7.96E-09	1.30E-08	2.06E-08	3.64E-09	2.29E-09	8.51E-08
1978	494911.06	3859401.99	1.28E-04	1.56E-04	1.37E-04	4.42E-08	1.34E-07	7.73E-08	9.47E-08	8.59E-08	3.92E-08	3.43E-08	1.48E-09	3.57E-08	7.88E-09	1.29E-08	2.04E-08	3.60E-09	2.26E-09	8.42E-08
1979	494961.06	3859401.99	1.27E-04	1.55E-04	1.36E-04	4.39E-08	1.33E-07	7.68E-08	9.41E-08	8.53E-08	3.89E-08	3.41E-08	1.47E-09	3.54E-08	7.82E-09	1.28E-08	2.03E-08	3.57E-09	2.25E-09	8.36E-08
1980	495011.06	3859401.99	1.26E-04	1.55E-04	1.35E-04	4.37E-08	1.32E-07	7.64E-08	9.36E-08	8.49E-08	3.87E-08	3.39E-08	1.46E-09	3.53E-08	7.78E-09	1.27E-08	2.02E-08	3.55E-09	2.24E-09	8.32E-08
1981	495061.06	3859401.99	1.26E-04	1.54E-04	1.35E-04	4.36E-08	1.32E-07	7.62E-08	9.34E-08	8.46E-08	3.86E-08	3.38E-08	1.46E-09	3.52E-08	7.76E-09	1.27E-08	2.01E-08	3.54E-09	2.23E-09	8.30E-08
1982	495111.06	3859401.99	1.25E-04	1.53E-04	1.34E-04	4.32E-08	1.30E-07	7.55E-08	9.25E-08	8.38E-08	3.83E-08	3.35E-08	1.44E-09	3.48E-08	7.69E-09	1.26E-08	1.99E-08	3.51E-09	2.21E-09	8.22E-08
1983	495161.06	3859401.99	1.24E-04	1.52E-04	1.33E-04	4.30E-08	1.30E-07	7.52E-08	9.21E-08	8.35E-08	3.81E-08	3.34E-08	1.44E-09	3.47E-08	7.66E-09	1.25E-08	1.98E-08	3.50E-09	2.20E-09	8.19E-08
1984	495211.06	3859401.99	1.24E-04	1.52E-04	1.33E-04	4.30E-08	1.30E-07	7.51E-08	9.20E-08	8.34E-08	3.80E-08	3.33E-08	1.43E-09	3.46E-08	7.64E-09	1.25E-08	1.98E-08	3.49E-09	2.20E-09	8.17E-08
1985	495261.06	3859401.99	1.23E-04	1.51E-04	1.32E-04	4.27E-08	1.29E-07	7.47E-08	9.15E-08	8.29E-08	3.78E-08	3.32E-08	1.43E-09	3.45E-08	7.61E-09	1.24E-08	1.97E-08	3.47E-09	2.19E-09	8.13E-08
1986	495311.06	3859401.99	1.23E-04	1.50E-04	1.32E-04	4.25E-08	1.28E-07	7.43E-08	9.10E-08	8.24E-08	3.76E-08	3.30E-08	1.42E-09	3.43E-08	7.56E-09	1.23E-08	1.96E-08	3.45E-09	2.17E-09	8.08E-08
1987	495361.06	3859401.99	1.22E-04	1.50E-04	1.31E-04	4.24E-08	1.28E-07	7.42E-08	9.09E-08	8.24E-08	3.76E-08	3.29E-08	1.42E-09	3.42E-08	7.55E-09	1.23E-08	1.96E-08	3.45E-09	2.17E-09	8.07E-08
1988	495411.06	3859401.99	1.22E-04	1.49E-04	1.31E-04	4.23E-08	1.28E-07	7.39E-08	9.05E-08	8.20E-08	3.74E-08	3.28E-08	1.41E-09	3.41E-08	7.52E-09	1.23E-08	1.95E-08	3.44E-09	2.16E-09	8.04E-08
1989	495461.06	3859401.99	1.21E-04	1.48E-04	1.30E-04	4.20E-08	1.27E-07	7.34E-08	8.98E-08	8.14E-08	3.72E-08	3.26E-08	1.40E-09	3.39E-08	7.47E-09	1.22E-08	1.94E-08	3.41E-09	2.15E-09	7.98E-08
1990	495511.06	3859401.99	1.20E-04	1.47E-04	1.29E-04	4.15E-08	1.25E-07	7.26E-08	8.89E-08	8.06E-08	3.68E-08	3.22E-08	1.39E-09	3.35E-08	7.39E-09	1.21E-08	1.92E-08	3.38E-09	2.13E-09	7.90E-08
1991	495561.06	3859401.99	1.18E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.17E-08	8.78E-08	7.96E-08	3.63E-08	3.18E-08	1.37E-09	3.31E-08	7.30E-09	1.19E-08	1.89E-08	3.33E-09	2.10E-09	7.80E-08
1992	495611.06	3859401.99	1.18E-04	1.44E-04	1.26E-04	4.07E-08	1.23E-07	7.12E-08	8.72E-08	7.90E-08	3.61E-08	3.16E-08	1.36E-09	3.28E-08	7.25E-09	1.18E-08	1.88E-08	3.31E-09	2.08E-09	7.75E-08
1993	495661.06	3859401.99	1.17E-04	1.43E-04	1.25E-04	4.05E-08	1.22E-07	7.08E-08	8.67E-08	7.86E-08	3.58E-08	3.14E-08	1.35E-09	3.27E-08	7.20E-09	1.18E-08	1.87E-08	3.29E-09	2.07E-09	7.70E-08
1994	494311.06	3859451.99	1.44E-04	1.76E-04	1.55E-04	4.99E-08	1.51E-07	8.72E-08	1.07E-07	9.68E-08	4.42E-08	3.87E-08	1.67E-09	4.02E-08	8.88E-09	1.45E-08	2.30E-08	4.05E-09	2.55E-09	9.49E-08
1995	494361.06	3859451.99	1.43E-04	1.75E-04	1.53E-04	4.94E-08	1.49E-07	8.64E-08	1.06E-07	9.59E-08	4.38E-08	3.84E-08	1.65E-09	3.99E-08	8.80E-09	1.44E-08	2.28E-08	4.02E-09	2.53E-09	9.40E-08
1996	494411.06	3859451.99	1.41E-04	1.72E-04	1.51E-04	4.88E-08	1.47E-07	8.52E-08	1.04E-07	9.46E-08	4.32E-08	3.78E-08	1.63E-09	3.93E-08	8.68E-09	1.42E-08	2.25E-08	3.96E-09	2.50E-09	9.27E-08
1997	494461.06	3859451.99	1.40E-04	1.71E-04	1.50E-04	4.85E-08	1.46E-07	8.47E-08	1.04E-07	9.41E-08	4.29E-08	3.76E-08	1.62E-09	3.91E-08	8.63E-09	1.41E-08	2.24E-08	3.94E-09	2.48E-09	9.22E-08
1998	494511.06	3859451.99	1.39E-04	1.70E-04	1.49E-04	4.80E-08	1.45E-07	8.40E-08	1.03E-07	9.32E-08	4.25E-08	3.73E-08	1.60E-09	3.88E-08	8.55E-09	1.40E-08	2.22E-08	3.90E-09	2.46E-09	9.14E-08
1999	494561.06	3859451.99	1.38E-04	1.69E-04	1.48E-04	4.77E-08	1.44E-07	8.33E-08	1.02E-07	9.25E-08	4.22E-08	3.70E-08	1.59E-09	3.85E-08	8.49E-09	1.39E-08	2.20E-08	3.87E-09	2.44E-09	9.07E-08
2000	494611.06	3859451.99	1.37E-04	1.68E-04	1.47E-04	4.74E-08	1.43E-07	8.29E-08	1.02E-07	9.21E-08	4.20E-08	3.68E-08	1.58E-09	3.83E-08	8.44E-09	1.38E-08	2.19E-08	3.86E-09	2.43E-09	9.02E-08
2001	494661.06	3859451.99	1.36E-04	1.66E-04	1.45E-04	4.70E-08	1.42E-07	8.21E-08	1.01E-07	9.12E-08	4.16E-08	3.65E-08	1.57E-09	3.79E-08	8.36E-09	1.37E-08	2.17E-08	3.82E-09	2.40E-09	8.94E-08
2002	494711.06	3859451.99	1.34E-04	1.64E-04	1.44E-04	4.65E-08	1.40E-07	8.13E-08	9.95E-08	9.02E-08	4.12E-08	3.61E-08	1.55E-09	3.75E-08	8.28E-09	1.35E-08	2.14E-08	3.78E-09	2.38E-09	8.84E-08
2003	494761.06	3859451.99	1.33E-04	1.63E-04	1.43E-04	4.61E-08	1.39E-07	8.06E-08	9.87E-08	8.94E-08	4.08E-08	3.58E-08	1.54E-09	3.72E-08	8.20E-09	1.34E-08	2.13E-08	3.75E-09	2.36E-09	8.77E-08
2004	494811.06	3859451.99	1.31E-04	1.61E-04	1.41E-04	4.55E-08	1.37E-07	7.95E-08	9.73E-08	8.82E-08	4.03E-08	3.53E-08	1.52E-09	3.67E-08	8.09E-09	1.32E-08	2.10E-08	3.70E-09	2.33E-09	8.65E-08
2005	494861.06	3859451.99	1.30E-04	1.59E-04	1.39E-04	4.49E-08	1.36E-07	7.86E-08	9.62E-08	8.72E-08	3.98E-08	3.49E-08	1.50E-09	3.63E-08	8.00E-09	1.31E-08	2.07E-08	3.65E-09	2.30E-09	8.55E-08
2006	494911.06	3859451.99	1.29E-04	1.57E-04	1.38E-04	4.45E-08	1.34E-07	7.78E-08	9.53E-08	8.64E-08	3.94E-08	3.46E-08	1.49E-09	3.59E-08	7.93E-09	1.29E-08	2.05E-08	3.62E-09	2.28E-09	8.47E-08

2007	494961.06	3859451.99	1.28E-04	1.57E-04	1.37E-04	4.43E-08	1.34E-07	7.74E-08	9.48E-08	8.59E-08	3.92E-08	3.44E-08	1.48E-09	3.57E-08	7.88E-09	1.29E-08	2.04E-08	3.60E-09	2.27E-09	8.42E-08
2008	495011.06	3859451.99	1.27E-04	1.55E-04	1.36E-04	4.40E-08	1.33E-07	7.69E-08	9.41E-08	8.53E-08	3.89E-08	3.41E-08	1.47E-09	3.55E-08	7.83E-09	1.28E-08	2.03E-08	3.57E-09	2.25E-09	8.36E-08
2009	495061.06	3859451.99	1.26E-04	1.54E-04	1.35E-04	4.37E-08	1.32E-07	7.63E-08	9.35E-08	8.47E-08	3.87E-08	3.39E-08	1.46E-09	3.52E-08	7.77E-09	1.27E-08	2.01E-08	3.55E-09	2.23E-09	8.30E-08
2010	495111.06	3859451.99	1.25E-04	1.53E-04	1.34E-04	4.33E-08	1.31E-07	7.58E-08	9.28E-08	8.41E-08	3.84E-08	3.36E-08	1.45E-09	3.50E-08	7.71E-09	1.26E-08	2.00E-08	3.52E-09	2.22E-09	8.24E-08
2011	495161.06	3859451.99	1.25E-04	1.53E-04	1.34E-04	4.32E-08	1.30E-07	7.55E-08	9.24E-08	8.38E-08	3.82E-08	3.35E-08	1.44E-09	3.48E-08	7.68E-09	1.26E-08	1.99E-08	3.51E-09	2.21E-09	8.21E-08
2012	495211.06	3859451.99	1.24E-04	1.52E-04	1.33E-04	4.31E-08	1.30E-07	7.53E-08	9.22E-08	8.36E-08	3.81E-08	3.34E-08	1.44E-09	3.47E-08	7.66E-09	1.25E-08	1.99E-08	3.50E-09	2.20E-09	8.19E-08
2013	495261.06	3859451.99	1.24E-04	1.52E-04	1.33E-04	4.29E-08	1.30E-07	7.50E-08	9.19E-08	8.33E-08	3.80E-08	3.33E-08	1.43E-09	3.46E-08	7.64E-09	1.25E-08	1.98E-08	3.49E-09	2.20E-09	8.17E-08
2014	495311.06	3859451.99	1.23E-04	1.51E-04	1.32E-04	4.27E-08	1.29E-07	7.46E-08	9.14E-08	8.28E-08	3.78E-08	3.31E-08	1.43E-09	3.44E-08	7.60E-09	1.24E-08	1.97E-08	3.47E-09	2.18E-09	8.12E-08
2015	495361.06	3859451.99	1.23E-04	1.50E-04	1.32E-04	4.25E-08	1.28E-07	7.42E-08	9.09E-08	8.24E-08	3.76E-08	3.30E-08	1.42E-09	3.43E-08	7.56E-09	1.23E-08	1.96E-08	3.45E-09	2.17E-09	8.08E-08
2016	495411.06	3859451.99	1.22E-04	1.49E-04	1.31E-04	4.22E-08	1.27E-07	7.38E-08	9.04E-08	8.19E-08	3.74E-08	3.28E-08	1.41E-09	3.40E-08	7.51E-09	1.23E-08	1.95E-08	3.43E-09	2.16E-09	8.03E-08
2017	495461.06	3859451.99	1.21E-04	1.48E-04	1.30E-04	4.20E-08	1.27E-07	7.34E-08	8.99E-08	8.15E-08	3.72E-08	3.26E-08	1.40E-09	3.39E-08	7.47E-09	1.22E-08	1.94E-08	3.41E-09	2.15E-09	7.99E-08
2018	495511.06	3859451.99	1.20E-04	1.47E-04	1.29E-04	4.15E-08	1.25E-07	7.26E-08	8.89E-08	8.06E-08	3.68E-08	3.22E-08	1.39E-09	3.35E-08	7.39E-09	1.21E-08	1.91E-08	3.37E-09	2.12E-09	7.90E-08
2019	495561.06	3859451.99	1.19E-04	1.46E-04	1.28E-04	4.12E-08	1.24E-07	7.20E-08	8.82E-08	8.00E-08	3.65E-08	3.20E-08	1.38E-09	3.32E-08	7.33E-09	1.20E-08	1.90E-08	3.35E-09	2.11E-09	7.84E-08
2020	495611.06	3859451.99	1.18E-04	1.45E-04	1.27E-04	4.09E-08	1.23E-07	7.15E-08	8.76E-08	7.94E-08	3.62E-08	3.17E-08	1.37E-09	3.30E-08	7.28E-09	1.19E-08	1.89E-08	3.32E-09	2.09E-09	7.78E-08
2021	495661.06	3859451.99	1.17E-04	1.44E-04	1.26E-04	4.06E-08	1.23E-07	7.10E-08	8.70E-08	7.88E-08	3.60E-08	3.15E-08	1.36E-09	3.28E-08	7.23E-09	1.18E-08	1.87E-08	3.30E-09	2.08E-09	7.73E-08
2022	494311.06	3859501.99	1.42E-04	1.74E-04	1.53E-04	4.94E-08	1.49E-07	8.63E-08	1.06E-07	9.58E-08	4.37E-08	3.83E-08	1.65E-09	3.98E-08	8.79E-09	1.43E-08	2.28E-08	4.01E-09	2.53E-09	9.39E-08
2023	494361.06	3859501.99	1.41E-04	1.73E-04	1.51E-04	4.89E-08	1.48E-07	8.55E-08	1.05E-07	9.49E-08	4.33E-08	3.80E-08	1.63E-09	3.95E-08	8.71E-09	1.42E-08	2.26E-08	3.97E-09	2.50E-09	9.30E-08
2024	494411.06	3859501.99	1.39E-04	1.70E-04	1.49E-04	4.82E-08	1.45E-07	8.42E-08	1.03E-07	9.35E-08	4.26E-08	3.74E-08	1.61E-09	3.88E-08	8.57E-09	1.40E-08	2.22E-08	3.91E-09	2.47E-09	9.16E-08
2025	494461.06	3859501.99	1.39E-04	1.70E-04	1.49E-04	4.81E-08	1.45E-07	8.40E-08	1.03E-07	9.33E-08	4.26E-08	3.73E-08	1.61E-09	3.88E-08	8.56E-09	1.40E-08	2.22E-08	3.91E-09	2.46E-09	9.14E-08
2026	494511.06	3859501.99	1.37E-04	1.68E-04	1.47E-04	4.76E-08	1.44E-07	8.32E-08	1.02E-07	9.24E-08	4.22E-08	3.70E-08	1.59E-09	3.84E-08	8.48E-09	1.38E-08	2.20E-08	3.87E-09	2.44E-09	9.06E-08
2027	494561.06	3859501.99	1.36E-04	1.67E-04	1.46E-04	4.72E-08	1.43E-07	8.25E-08	1.01E-07	9.16E-08	4.18E-08	3.66E-08	1.58E-09	3.81E-08	8.41E-09	1.37E-08	2.18E-08	3.84E-09	2.42E-09	8.98E-08
2028	494611.06	3859501.99	1.36E-04	1.67E-04	1.46E-04	4.72E-08	1.42E-07	8.24E-08	1.01E-07	9.15E-08	4.18E-08	3.66E-08	1.57E-09	3.80E-08	8.39E-09	1.37E-08	2.17E-08	3.83E-09	2.41E-09	8.97E-08
2029	494661.06	3859501.99	1.35E-04	1.65E-04	1.45E-04	4.67E-08	1.41E-07	8.16E-08	9.99E-08	9.06E-08	4.13E-08	3.62E-08	1.56E-09	3.76E-08	8.31E-09	1.36E-08	2.15E-08	3.79E-09	2.39E-09	8.88E-08
2030	494711.06	3859501.99	1.33E-04	1.63E-04	1.43E-04	4.61E-08	1.39E-07	8.05E-08	9.86E-08	8.94E-08	4.08E-08	3.58E-08	1.54E-09	3.72E-08	8.20E-09	1.34E-08	2.12E-08	3.74E-09	2.36E-09	8.76E-08
2031	494761.06	3859501.99	1.32E-04	1.62E-04	1.42E-04	4.59E-08	1.39E-07	8.02E-08	9.83E-08	8.91E-08	4.07E-08	3.56E-08	1.53E-09	3.70E-08	8.17E-09	1.33E-08	2.12E-08	3.73E-09	2.35E-09	8.73E-08
2032	494811.06	3859501.99	1.30E-04	1.60E-04	1.40E-04	4.51E-08	1.36E-07	7.89E-08	9.66E-08	8.76E-08	4.00E-08	3.50E-08	1.51E-09	3.64E-08	8.03E-09	1.31E-08	2.08E-08	3.67E-09	2.31E-09	8.59E-08
2033	494861.06	3859501.99	1.29E-04	1.58E-04	1.39E-04	4.48E-08	1.35E-07	7.83E-08	9.59E-08	8.69E-08	3.97E-08	3.48E-08	1.50E-09	3.61E-08	7.97E-09	1.30E-08	2.07E-08	3.64E-09	2.29E-09	8.52E-08
2034	494911.06	3859501.99	1.29E-04	1.58E-04	1.38E-04	4.46E-08	1.35E-07	7.79E-08	9.54E-08	8.65E-08	3.95E-08	3.46E-08	1.49E-09	3.59E-08	7.93E-09	1.30E-08	2.06E-08	3.62E-09	2.28E-09	8.48E-08
2035	494961.06	3859501.99	1.27E-04	1.56E-04	1.37E-04	4.41E-08	1.33E-07	7.72E-08	9.45E-08	8.57E-08	3.91E-08	3.43E-08	1.47E-09	3.56E-08	7.86E-09	1.28E-08	2.04E-08	3.59E-09	2.26E-09	8.40E-08
2036	495011.06	3859501.99	1.27E-04	1.55E-04	1.36E-04	4.39E-08	1.33E-07	7.68E-08	9.40E-08	8.53E-08	3.89E-08	3.41E-08	1.47E-09	3.54E-08	7.82E-09	1.28E-08	2.03E-08	3.57E-09	2.25E-09	8.36E-08
2037	495061.06	3859501.99	1.26E-04	1.55E-04	1.35E-04	4.37E-08	1.32E-07	7.64E-08	9.36E-08	8.49E-08	3.87E-08	3.39E-08	1.46E-09	3.53E-08	7.78E-09	1.27E-08	2.02E-08	3.55E-09	2.24E-09	8.32E-08
2038	495111.06	3859501.99	1.25E-04	1.53E-04	1.34E-04	4.33E-08	1.31E-07	7.57E-08	9.27E-08	8.41E-08	3.84E-08	3.36E-08	1.45E-09	3.49E-08	7.71E-09	1.26E-08	2.00E-08	3.52E-09	2.22E-09	8.24E-08
2039	495161.06	3859501.99	1.24E-04	1.52E-04	1.34E-04	4.31E-08	1.30E-07	7.54E-08	9.23E-08	8.37E-08	3.82E-08	3.35E-08	1.44E-09	3.48E-08	7.68E-09	1.25E-08	1.99E-08	3.50E-09	2.21E-09	8.20E-08
2040	495211.06	3859501.99	1.24E-04	1.52E-04	1.33E-04	4.30E-08	1.30E-07	7.52E-08	9.21E-08	8.35E-08	3.81E-08	3.34E-08	1.44E-09	3.47E-08	7.66E-09	1.25E-08	1.98E-08	3.50E-09	2.20E-09	8.18E-08
2041	495261.06	3859501.99	1.24E-04	1.51E-04	1.33E-04	4.28E-08	1.29E-07	7.49E-08	9.17E-08	8.31E-08	3.79E-08	3.32E-08	1.43E-09	3.45E-08	7.62E-09	1.25E-08	1.98E-08	3.48E-09	2.19E-09	8.15E-08
2042	495311.06	3859501.99	1.23E-04	1.51E-04	1.32E-04	4.27E-08	1.29E-07	7.46E-08	9.14E-08	8.28E-08	3.78E-08	3.31E-08	1.43E-09	3.44E-08	7.60E-09	1.24E-08	1.97E-08	3.47E-09	2.18E-09	8.12E-08
2043	495361.06	3859501.99	1.22E-04	1.50E-04	1.31E-04	4.25E-08	1.28E-07	7.42E-08	9.09E-08	8.24E-08	3.76E-08	3.29E-08	1.42E-09	3.42E-08	7.56E-09	1.23E-08	1.96E-08	3.45E-09	2.17E-09	8.08E-08
2044	495411.06	3859501.99	1.22E-04	1.49E-04	1.31E-04	4.22E-08	1.28E-07	7.38E-08	9.04E-08	8.20E-08	3.74E-08	3.28E-08	1.41E-09	3.41E-08	7.52E-09	1.23E-08	1.95E-08	3.43E-09	2.16E-09	8.03E-08
2045	495461.06	3859501.99	1.21E-04	1.48E-04	1.30E-04	4.20E-08	1.27E-07	7.34E-08	8.99E-08	8.15E-08	3.72E-08	3.26E-08	1.40E-09	3.39E-08	7.47E-09	1.22E-08	1.94E-08	3.41E-09	2.15E-09	7.99E-08
2046	495511.06	3859501.99	1.20E-04	1.46E-04	1.28E-04	4.14E-08	1.25E-07	7.24E-08	8.87E-08	8.04E-08	3.67E-08	3.22E-08	1.38E-09	3.34E-08	7.38E-09	1.20E-08	1.91E-08	3.37E-09	2.12E-09	7.88E-08
2047	495561.06	3859501.99	1.19E-04	1.46E-04	1.28E-04	4.13E-08	1.25E-07	7.22E-08	8.84E-08	8.01E-08	3.66E-08	3.20E-08	1.38E-09	3.33E-08	7.35E-09	1.20E-08	1.90E-08	3.36E-09	2.11E-09	7.85E-08
2048	495611.06	3859501.99	1.18E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.16E-08	8.77E-08	7.95E-08	3.63E-08	3.18E-08	1.37E-09	3.31E-08	7.29E-09	1.19E-08	1.89E-08	3.33E-09	2.10E-09	7.79E-08
2049	495661.06	3859501.99	1.17E-04	1.44E-04	1.26E-04	4.06E-08	1.23E-07	7.10E-08	8.70E-08	7.89E-08	3.60E-08	3.15E-08	1.36E-09	3.28E-08	7.23E-09	1.18E-08	1.87E-08	3.30E-09	2.08E-09	7.73E-08
2050	494311.06	3859551.99	1.41E-04	1.72E-04	1.51E-04	4.88E-08	1.47E-07	8.53E-08	1.04E-07	9.47E-08	4.32E-08	3.79E-08	1.63E-09	3.93E-08	8.68E-09	1.42E-08	2.25E-08	3.96E-09	2.50E-09	9.28E-08
2051	494361.06	3859551.99	1.39E-04	1.71E-04	1.50E-04	4.83E-08	1.46E-07	8.44E-08	1.03E-07	9.37E-08	4.28E-08	3.75E-08	1.61E-09	3.89E-08	8.59E-09	1.40E-08	2.23E-08	3.92E-09	2.47E-09	9.19E-08
2052	494411.06	3859551.99	1.37E-04	1.68E-04	1.47E-04	4.76E-08	1.44E-07	8.32E-08	1.02E-07	9.23E-08	4.21E-08	3.69E-08	1.59E-09	3.84E-08	8.47E-09	1.38E-08	2.19E-08	3.87E-09	2.44E-09	9.05E-08
2053	494461.06	3859551.99	1.37E-04	1.68E-04	1.47E-04	4.76E-08	1.44E-07	8.31E-08	1.02E-07	9.23E-08	4.21E-08	3.69E-08	1.59E-09	3.84E-08	8.47E-09	1.38E-08	2.19E-08	3.87E-09	2.44E-09	9.05E-08
2054	494511.06	3859551.99	1.36E-04	1.67E-04	1.46E-04	4.72E-08	1.42E-07	8.24E-08	1.01E-07	9.15E-08	4.18E-08	3.66E-08	1.57E-09	3.80E-08	8.39E-09	1.37E-08	2.17E-08	3.83E-09	2.41E-09	8.97E-08
2055	494561.06	3859551.99	1.35E-04	1.65E-04	1.45E-04	4.68E-08	1.41E-07	8.18E-08	1.00E-07	9.09E-08	4.15E-08	3.63E-08	1.56E-09	3.78E-08	8.33E-09	1.36E-08	2.16E-08	3.80E-09	2.40E-09	8.91E-08
2056	494611.06	3859551.99	1.34E-04	1.65E-04	1.44E-04	4.66E-08	1.41E-07	8.14E-08	9.98E-08	9.04E-08	4.13E-08	3.62E-08	1.56E-09	3.76E-08	8.29E-09	1.35E-08	2.15E-08	3.79E-09	2.39E-09	8.86E-08
2057	494661.06	3859551.99	1.34E-04	1.64E-04	1.43E-04	4.63E-08	1.40E-07	8.09E-08	9.91E-08	8.99E-08	4.10E-08	3.59E-08	1.55E-09	3.73E-08	8.24E-09	1.35E-08	2.14E-08	3.76E-09	2.37E-09	8.81E-08
2058	494711.06	3859551.99	1.31E-04	1.61E-04	1.41E-04	4.55E-08	1.37E-07	7.95E-08	9.74E-08	8.83E-08	4.03E-08	3.53E-08	1.52E-09	3.67E-08	8.10E-09	1.32E-08	2.10E-08	3.70E-09	2.33E-09	8.65E-08
2059	494761.06	3859551.99	1.31E-04	1.61E-04	1.41E-04	4.56E-08	1.38E-07	7.97E-08	9.76E-08	8.84E-08	4.04E-08	3.54E-08	1.52E-09	3.68E-08	8.11E-09	1.32E-08	2.10E-08	3.70E-09	2.33E-09	8.67E-08
2060	494811.06	3859551.99	1.30E-04	1.59E-04	1.39E-04	4.50E-08	1.36E-07	7.86E-08	9.62E-08	8.72E-08	3.98E-08	3.49E-08	1.50E-09	3.63E-08	8.00E-09	1.31E-08	2.07E-08	3.65E-09	2.30E-09	8.55E-08
2061	494861.06	3859551.99	1.29E-04	1.58E-04	1.38E-04	4.46E-08	1.35E-07	7.80E-08	9.56E-08	8.67E-08	3.95E-08	3.47E-08	1.49E-09	3.60E-08	7.95E-09	1.30E-08	2.06E-08	3.63E-09	2.29E-09	8.49E-08
2062	494911.06	3859551.99	1.28E-04	1.56E-04	1.37E-04	4.43E-08	1.34E-07	7.74E-08	9.48E-08	8.59E-08	3.92E-08	3.44E-08	1.48E-09	3.57E-08	7.88E-09	1.29E-08	2.04E-08	3.60E-09	2.27E-09	8.42E-08
2063	494961.06	3859551.99	1.27E-04	1.56E-04	1.36E-04	4.41E-08	1.33E-07	7.70E-08	9.43E-08	8.55E-08	3.90E-08	3.42E-08	1.47E-09	3.55E-08	7.84E-09	1.28E-08	2.03E-08	3.58E-09	2.26E-09	8.38E-08
2064	495011.06	3859551.99	1.27E-04	1.55E-04	1.36E-04	4.39E-08	1.33E-07	7.67E-08	9.40E-08	8.52E-08	3.89E-08	3.41E-08	1.47E-09	3.54E-08	7.81E-09	1.28E-08	2.02E-08	3.57E-09	2.25E-09	8.35E-08
2065	495061.06	3859551.99	1.26E-04	1.54E-04	1.35E-04	4.36E-08	1.32E-07	7.63E-08	9.34E-08	8.47E-08	3.86E-08	3.39E-08	1.46E-09	3.52E-08	7.76E-09	1.27E-08	2.01E-08	3.55E-09	2.23E-09	8.30E-08
2066	495111.06	3859551.99	1.25E-04	1.53E-04	1.34E-04	4.33E-08	1.31E-07	7.56E-08	9.26E-08	8.40E-08	3.83E-08	3.36E-08	1.44E-09	3.49E-08	7.70E-09	1.26E-08	1.99E-08	3.52E-09	2.21E-09	8.23E-08
2067	495161.06	3859551.99	1.24E-04	1.52E-04	1.34E-04	4.31E-08	1.30E-07	7.54E-08	9.23E-08	8.37E-08	3.82E-08	3.35E-08	1.44E-09	3.48E-08	7.67E-09	1.25E-08	1.99E-08	3.50E-09	2.21E-09	8.20E-08

2068	495211.06	3859551.99	1.24E-04	1.52E-04	1.33E-04	4.30E-08	1.30E-07	7.52E-08	9.21E-08	8.35E-08	3.81E-08	3.34E-08	1.44E-09	3.47E-08	7.65E-09	1.25E-08	1.98E-08	3.49E-09	2.20E-09	8.18E-08
2069	495261.06	3859551.99	1.23E-04	1.51E-04	1.32E-04	4.27E-08	1.29E-07	7.47E-08	9.15E-08	8.29E-08	3.78E-08	3.32E-08	1.43E-09	3.45E-08	7.60E-09	1.24E-08	1.97E-08	3.47E-09	2.19E-09	8.13E-08
2070	495311.06	3859551.99	1.23E-04	1.50E-04	1.32E-04	4.25E-08	1.28E-07	7.43E-08	9.10E-08	8.25E-08	3.76E-08	3.30E-08	1.42E-09	3.43E-08	7.56E-09	1.24E-08	1.96E-08	3.45E-09	2.17E-09	8.08E-08
2071	495361.06	3859551.99	1.22E-04	1.49E-04	1.31E-04	4.23E-08	1.28E-07	7.39E-08	9.06E-08	8.21E-08	3.75E-08	3.28E-08	1.41E-09	3.41E-08	7.53E-09	1.23E-08	1.95E-08	3.44E-09	2.17E-09	8.05E-08
2072	495411.06	3859551.99	1.22E-04	1.49E-04	1.31E-04	4.21E-08	1.27E-07	7.37E-08	9.02E-08	8.18E-08	3.73E-08	3.27E-08	1.41E-09	3.40E-08	7.50E-09	1.23E-08	1.94E-08	3.43E-09	2.16E-09	8.02E-08
2073	495461.06	3859551.99	1.21E-04	1.48E-04	1.29E-04	4.18E-08	1.26E-07	7.30E-08	8.95E-08	8.11E-08	3.70E-08	3.24E-08	1.40E-09	3.37E-08	7.44E-09	1.21E-08	1.93E-08	3.40E-09	2.14E-09	7.95E-08
2074	495511.06	3859551.99	1.19E-04	1.46E-04	1.28E-04	4.14E-08	1.25E-07	7.24E-08	8.86E-08	8.03E-08	3.67E-08	3.21E-08	1.38E-09	3.34E-08	7.37E-09	1.20E-08	1.91E-08	3.36E-09	2.12E-09	7.87E-08
2075	495561.06	3859551.99	1.19E-04	1.45E-04	1.27E-04	4.12E-08	1.24E-07	7.19E-08	8.81E-08	7.99E-08	3.64E-08	3.19E-08	1.37E-09	3.32E-08	7.33E-09	1.20E-08	1.90E-08	3.34E-09	2.11E-09	7.83E-08
2076	495611.06	3859551.99	1.18E-04	1.45E-04	1.27E-04	4.09E-08	1.24E-07	7.15E-08	8.76E-08	7.94E-08	3.62E-08	3.17E-08	1.37E-09	3.30E-08	7.28E-09	1.19E-08	1.89E-08	3.32E-09	2.09E-09	7.78E-08
2077	495661.06	3859551.99	1.17E-04	1.43E-04	1.26E-04	4.06E-08	1.23E-07	7.09E-08	8.69E-08	7.88E-08	3.59E-08	3.15E-08	1.36E-09	3.27E-08	7.22E-09	1.18E-08	1.87E-08	3.30E-09	2.08E-09	7.72E-08
2078	494311.06	3859601.99	1.39E-04	1.70E-04	1.49E-04	4.82E-08	1.46E-07	8.43E-08	1.03E-07	9.36E-08	4.27E-08	3.74E-08	1.61E-09	3.89E-08	8.58E-09	1.40E-08	2.22E-08	3.92E-09	2.47E-09	9.17E-08
2079	494361.06	3859601.99	1.37E-04	1.68E-04	1.47E-04	4.76E-08	1.44E-07	8.31E-08	1.02E-07	9.23E-08	4.21E-08	3.69E-08	1.59E-09	3.84E-08	8.46E-09	1.38E-08	2.19E-08	3.86E-09	2.43E-09	9.05E-08
2080	494411.06	3859601.99	1.36E-04	1.66E-04	1.46E-04	4.71E-08	1.42E-07	8.23E-08	1.01E-07	9.14E-08	4.17E-08	3.66E-08	1.57E-09	3.80E-08	8.38E-09	1.37E-08	2.17E-08	3.83E-09	2.41E-09	8.96E-08
2081	494461.06	3859601.99	1.36E-04	1.66E-04	1.46E-04	4.71E-08	1.42E-07	8.22E-08	1.01E-07	9.13E-08	4.17E-08	3.65E-08	1.57E-09	3.80E-08	8.37E-09	1.37E-08	2.17E-08	3.82E-09	2.41E-09	8.95E-08
2082	494511.06	3859601.99	1.34E-04	1.65E-04	1.44E-04	4.66E-08	1.41E-07	8.14E-08	9.97E-08	9.03E-08	4.12E-08	3.61E-08	1.55E-09	3.75E-08	8.29E-09	1.35E-08	2.15E-08	3.78E-09	2.38E-09	8.86E-08
2083	494561.06	3859601.99	1.34E-04	1.64E-04	1.44E-04	4.64E-08	1.40E-07	8.12E-08	9.94E-08	9.01E-08	4.11E-08	3.60E-08	1.55E-09	3.75E-08	8.27E-09	1.35E-08	2.14E-08	3.77E-09	2.38E-09	8.83E-08
2084	494611.06	3859601.99	1.33E-04	1.63E-04	1.43E-04	4.62E-08	1.40E-07	8.08E-08	9.90E-08	8.97E-08	4.09E-08	3.59E-08	1.54E-09	3.73E-08	8.23E-09	1.34E-08	2.13E-08	3.76E-09	2.37E-09	8.80E-08
2085	494661.06	3859601.99	1.32E-04	1.61E-04	1.42E-04	4.57E-08	1.38E-07	7.99E-08	9.78E-08	8.87E-08	4.05E-08	3.55E-08	1.53E-09	3.69E-08	8.13E-09	1.33E-08	2.11E-08	3.71E-09	2.34E-09	8.69E-08
2086	494711.06	3859601.99	1.30E-04	1.60E-04	1.40E-04	4.52E-08	1.36E-07	7.89E-08	9.67E-08	8.76E-08	4.00E-08	3.50E-08	1.51E-09	3.64E-08	8.04E-09	1.31E-08	2.08E-08	3.67E-09	2.31E-09	8.59E-08
2087	494761.06	3859601.99	1.31E-04	1.60E-04	1.40E-04	4.53E-08	1.37E-07	7.92E-08	9.70E-08	8.80E-08	4.01E-08	3.52E-08	1.51E-09	3.66E-08	8.07E-09	1.32E-08	2.09E-08	3.68E-09	2.32E-09	8.62E-08
2088	494811.06	3859601.99	1.29E-04	1.58E-04	1.39E-04	4.47E-08	1.35E-07	7.82E-08	9.58E-08	8.68E-08	3.96E-08	3.47E-08	1.49E-09	3.61E-08	7.96E-09	1.30E-08	2.06E-08	3.64E-09	2.29E-09	8.51E-08
2089	494861.06	3859601.99	1.28E-04	1.57E-04	1.38E-04	4.45E-08	1.34E-07	7.77E-08	9.52E-08	8.63E-08	3.94E-08	3.45E-08	1.49E-09	3.59E-08	7.92E-09	1.29E-08	2.05E-08	3.61E-09	2.28E-09	8.46E-08
2090	494911.06	3859601.99	1.27E-04	1.56E-04	1.36E-04	4.40E-08	1.33E-07	7.69E-08	9.42E-08	8.54E-08	3.90E-08	3.42E-08	1.47E-09	3.55E-08	7.84E-09	1.28E-08	2.03E-08	3.58E-09	2.25E-09	8.37E-08
2091	494961.06	3859601.99	1.27E-04	1.56E-04	1.36E-04	4.40E-08	1.33E-07	7.69E-08	9.42E-08	8.54E-08	3.90E-08	3.42E-08	1.47E-09	3.55E-08	7.84E-09	1.28E-08	2.03E-08	3.58E-09	2.25E-09	8.37E-08
2092	495011.06	3859601.99	1.26E-04	1.54E-04	1.35E-04	4.35E-08	1.31E-07	7.61E-08	9.32E-08	8.45E-08	3.86E-08	3.38E-08	1.45E-09	3.51E-08	7.75E-09	1.27E-08	2.01E-08	3.54E-09	2.23E-09	8.28E-08
2093	495061.06	3859601.99	1.25E-04	1.54E-04	1.35E-04	4.34E-08	1.31E-07	7.59E-08	9.30E-08	8.43E-08	3.85E-08	3.37E-08	1.45E-09	3.50E-08	7.73E-09	1.26E-08	2.00E-08	3.53E-09	2.22E-09	8.26E-08
2094	495111.06	3859601.99	1.24E-04	1.52E-04	1.33E-04	4.31E-08	1.30E-07	7.53E-08	9.22E-08	8.36E-08	3.82E-08	3.34E-08	1.44E-09	3.48E-08	7.67E-09	1.25E-08	1.99E-08	3.50E-09	2.21E-09	8.20E-08
2095	495161.06	3859601.99	1.24E-04	1.52E-04	1.33E-04	4.29E-08	1.30E-07	7.51E-08	9.19E-08	8.34E-08	3.80E-08	3.33E-08	1.43E-09	3.46E-08	7.64E-09	1.25E-08	1.98E-08	3.49E-09	2.20E-09	8.17E-08
2096	495211.06	3859601.99	1.23E-04	1.51E-04	1.32E-04	4.27E-08	1.29E-07	7.47E-08	9.15E-08	8.29E-08	3.78E-08	3.32E-08	1.43E-09	3.45E-08	7.61E-09	1.24E-08	1.97E-08	3.47E-09	2.19E-09	8.13E-08
2097	495261.06	3859601.99	1.23E-04	1.50E-04	1.32E-04	4.26E-08	1.28E-07	7.44E-08	9.11E-08	8.26E-08	3.77E-08	3.30E-08	1.42E-09	3.43E-08	7.57E-09	1.24E-08	1.96E-08	3.46E-09	2.18E-09	8.09E-08
2098	495311.06	3859601.99	1.22E-04	1.50E-04	1.31E-04	4.24E-08	1.28E-07	7.41E-08	9.08E-08	8.23E-08	3.75E-08	3.29E-08	1.42E-09	3.42E-08	7.55E-09	1.23E-08	1.96E-08	3.45E-09	2.17E-09	8.07E-08
2099	495361.06	3859601.99	1.22E-04	1.49E-04	1.31E-04	4.22E-08	1.27E-07	7.37E-08	9.03E-08	8.18E-08	3.73E-08	3.27E-08	1.41E-09	3.40E-08	7.50E-09	1.23E-08	1.94E-08	3.43E-09	2.16E-09	8.02E-08
2100	495411.06	3859601.99	1.21E-04	1.48E-04	1.30E-04	4.20E-08	1.27E-07	7.34E-08	8.99E-08	8.15E-08	3.72E-08	3.26E-08	1.40E-09	3.39E-08	7.47E-09	1.22E-08	1.94E-08	3.41E-09	2.15E-09	7.99E-08
2101	495461.06	3859601.99	1.20E-04	1.47E-04	1.29E-04	4.16E-08	1.26E-07	7.27E-08	8.90E-08	8.07E-08	3.68E-08	3.23E-08	1.39E-09	3.35E-08	7.40E-09	1.21E-08	1.92E-08	3.38E-09	2.13E-09	7.91E-08
2102	495511.06	3859601.99	1.19E-04	1.46E-04	1.28E-04	4.12E-08	1.24E-07	7.20E-08	8.82E-08	8.00E-08	3.65E-08	3.20E-08	1.38E-09	3.32E-08	7.33E-09	1.20E-08	1.90E-08	3.35E-09	2.11E-09	7.84E-08
2103	495561.06	3859601.99	1.19E-04	1.45E-04	1.27E-04	4.11E-08	1.24E-07	7.18E-08	8.80E-08	7.98E-08	3.64E-08	3.19E-08	1.37E-09	3.31E-08	7.31E-09	1.19E-08	1.90E-08	3.34E-09	2.10E-09	7.82E-08
2104	495611.06	3859601.99	1.17E-04	1.44E-04	1.26E-04	4.07E-08	1.23E-07	7.11E-08	8.70E-08	7.89E-08	3.60E-08	3.15E-08	1.36E-09	3.28E-08	7.24E-09	1.18E-08	1.87E-08	3.30E-09	2.08E-09	7.73E-08
2105	495661.06	3859601.99	1.17E-04	1.43E-04	1.25E-04	4.05E-08	1.22E-07	7.08E-08	8.67E-08	7.86E-08	3.59E-08	3.14E-08	1.35E-09	3.27E-08	7.21E-09	1.18E-08	1.87E-08	3.29E-09	2.07E-09	7.70E-08
2106	494311.06	3859651.99	1.37E-04	1.68E-04	1.47E-04	4.75E-08	1.43E-07	8.30E-08	1.02E-07	9.21E-08	4.20E-08	3.68E-08	1.59E-09	3.83E-08	8.45E-09	1.38E-08	2.19E-08	3.86E-09	2.43E-09	9.03E-08
2107	494361.06	3859651.99	1.35E-04	1.66E-04	1.45E-04	4.69E-08	1.42E-07	8.20E-08	1.00E-07	9.11E-08	4.15E-08	3.64E-08	1.57E-09	3.78E-08	8.35E-09	1.36E-08	2.16E-08	3.81E-09	2.40E-09	8.92E-08
2108	494411.06	3859651.99	1.35E-04	1.65E-04	1.44E-04	4.66E-08	1.41E-07	8.15E-08	9.98E-08	9.05E-08	4.13E-08	3.62E-08	1.56E-09	3.76E-08	8.30E-09	1.36E-08	2.15E-08	3.79E-09	2.39E-09	8.87E-08
2109	494461.06	3859651.99	1.34E-04	1.64E-04	1.44E-04	4.65E-08	1.41E-07	8.13E-08	9.96E-08	9.03E-08	4.12E-08	3.61E-08	1.55E-09	3.75E-08	8.28E-09	1.35E-08	2.15E-08	3.78E-09	2.38E-09	8.85E-08
2110	494511.06	3859651.99	1.33E-04	1.63E-04	1.43E-04	4.62E-08	1.40E-07	8.08E-08	9.90E-08	8.97E-08	4.09E-08	3.59E-08	1.54E-09	3.73E-08	8.23E-09	1.34E-08	2.13E-08	3.76E-09	2.37E-09	8.79E-08
2111	494561.06	3859651.99	1.33E-04	1.63E-04	1.42E-04	4.60E-08	1.39E-07	8.04E-08	9.85E-08	8.93E-08	4.07E-08	3.57E-08	1.54E-09	3.71E-08	8.19E-09	1.34E-08	2.12E-08	3.74E-09	2.35E-09	8.75E-08
2112	494611.06	3859651.99	1.32E-04	1.62E-04	1.42E-04	4.58E-08	1.38E-07	8.00E-08	9.80E-08	8.88E-08	4.05E-08	3.55E-08	1.53E-09	3.69E-08	8.14E-09	1.33E-08	2.11E-08	3.72E-09	2.34E-09	8.70E-08
2113	494661.06	3859651.99	1.30E-04	1.60E-04	1.40E-04	4.52E-08	1.36E-07	7.90E-08	9.67E-08	8.77E-08	4.00E-08	3.51E-08	1.51E-09	3.64E-08	8.04E-09	1.31E-08	2.08E-08	3.67E-09	2.31E-09	8.60E-08
2114	494711.06	3859651.99	1.30E-04	1.59E-04	1.39E-04	4.50E-08	1.36E-07	7.86E-08	9.63E-08	8.73E-08	3.98E-08	3.49E-08	1.50E-09	3.63E-08	8.00E-09	1.31E-08	2.07E-08	3.65E-09	2.30E-09	8.55E-08
2115	494761.06	3859651.99	1.29E-04	1.58E-04	1.39E-04	4.48E-08	1.35E-07	7.83E-08	9.59E-08	8.69E-08	3.97E-08	3.48E-08	1.50E-09	3.61E-08	7.97E-09	1.30E-08	2.07E-08	3.64E-09	2.29E-09	8.52E-08
2116	494811.06	3859651.99	1.28E-04	1.57E-04	1.38E-04	4.44E-08	1.34E-07	7.76E-08	9.51E-08	8.62E-08	3.93E-08	3.45E-08	1.48E-09	3.58E-08	7.91E-09	1.29E-08	2.05E-08	3.61E-09	2.27E-09	8.45E-08
2117	494861.06	3859651.99	1.28E-04	1.56E-04	1.37E-04	4.42E-08	1.33E-07	7.73E-08	9.46E-08	8.58E-08	3.91E-08	3.43E-08	1.48E-09	3.57E-08	7.87E-09	1.28E-08	2.04E-08	3.59E-09	2.26E-09	8.41E-08
2118	494911.06	3859651.99	1.27E-04	1.55E-04	1.36E-04	4.39E-08	1.33E-07	7.68E-08	9.40E-08	8.52E-08	3.89E-08	3.41E-08	1.47E-09	3.54E-08	7.82E-09	1.28E-08	2.03E-08	3.57E-09	2.25E-09	8.35E-08
2119	494961.06	3859651.99	1.26E-04	1.54E-04	1.35E-04	4.37E-08	1.32E-07	7.64E-08	9.35E-08	8.48E-08	3.87E-08	3.39E-08	1.46E-09	3.52E-08	7.78E-09	1.27E-08	2.01E-08	3.55E-09	2.24E-09	8.31E-08
2120	495011.06	3859651.99	1.25E-04	1.53E-04	1.34E-04	4.34E-08	1.31E-07	7.59E-08	9.30E-08	8.43E-08	3.85E-08	3.37E-08	1.45E-09	3.50E-08	7.73E-09	1.26E-08	2.00E-08	3.53E-09	2.22E-09	8.26E-08
2121	495061.06	3859651.99	1.25E-04	1.53E-04	1.34E-04	4.32E-08	1.31E-07	7.56E-08	9.26E-08	8.39E-08	3.83E-08	3.36E-08	1.44E-09	3.49E-08	7.70E-09	1.26E-08	1.99E-08	3.51E-09	2.21E-09	8.23E-08
2122	495111.06	3859651.99	1.24E-04	1.52E-04	1.33E-04	4.29E-08	1.30E-07	7.51E-08	9.19E-08	8.34E-08	3.80E-08	3.33E-08	1.43E-09	3.46E-08	7.64E-09	1.25E-08	1.98E-08	3.49E-09	2.20E-09	8.17E-08
2123	495161.06	3859651.99	1.23E-04	1.51E-04	1.32E-04	4.27E-08	1.29E-07	7.47E-08	9.15E-08	8.29E-08	3.78E-08	3.32E-08	1.43E-09	3.45E-08	7.61E-09	1.24E-08	1.97E-08	3.47E-09	2.19E-09	8.13E-08
2124	495211.06	3859651.99	1.23E-04	1.50E-04	1.32E-04	4.26E-08	1.28E-07	7.44E-08	9.11E-08	8.26E-08	3.77E-08	3.30E-08	1.42E-09	3.43E-08	7.57E-09	1.24E-08	1.96E-08	3.46E-09	2.18E-09	8.09E-08
2125	495261.06	3859651.99	1.22E-04	1.50E-04	1.31E-04	4.23E-08	1.28E-07	7.40E-08	9.06E-08	8.21E-08	3.75E-08	3.29E-08	1.41E-09	3.41E-08	7.53E-09	1.23E-08	1.95E-08	3.44E-09	2.17E-09	8.05E-08
2126	495311.06	3859651.99	1.22E-04	1.49E-04	1.30E-04	4.21E-08	1.27E-07	7.36E-08	9.02E-08	8.18E-08	3.73E-08	3.27E-08	1.41E-09	3.40E-08	7.50E-09	1.22E-08	1.94E-08	3.42E-09	2.16E-09	8.01E-08
2127	495361.06	3859651.99	1.21E-04	1.48E-04	1.30E-04	4.20E-08	1.27E-07	7.33E-08	8.98E-08	8.14E-08	3.72E-08	3.26E-08	1.40E-09	3.38E-08	7.47E-09	1.22E-08	1.93E-08	3.41E-09	2.15E-09	7.98E-08
2128	495411.06	3859651.99	1.20E-04	1.47E-04	1.29E-04	4.17E-08	1.26E-07	7.29E-08	8.93E-08	8.10E-08	3.70E-08	3.24E-08	1.39E-09	3.37E-08	7.43E-09	1.21E-08	1.92E-08	3.39E-09	2.14E-09	7.94E-08

2129	495461.06	3859651.99	1.19E-04	1.46E-04	1.28E-04	4.14E-08	1.25E-07	7.23E-08	8.85E-08	8.03E-08	3.66E-08	3.21E-08	1.38E-09	3.34E-08	7.36E-09	1.20E-08	1.91E-08	3.36E-09	2.12E-09	7.87E-08
2130	495511.06	3859651.99	1.18E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.17E-08	8.78E-08	7.96E-08	3.63E-08	3.18E-08	1.37E-09	3.31E-08	7.30E-09	1.19E-08	1.89E-08	3.33E-09	2.10E-09	7.80E-08
2131	495561.06	3859651.99	1.18E-04	1.44E-04	1.27E-04	4.08E-08	1.23E-07	7.14E-08	8.74E-08	7.93E-08	3.62E-08	3.17E-08	1.36E-09	3.29E-08	7.27E-09	1.19E-08	1.88E-08	3.32E-09	2.09E-09	7.77E-08
2132	495611.06	3859651.99	1.17E-04	1.43E-04	1.26E-04	4.06E-08	1.23E-07	7.09E-08	8.69E-08	7.88E-08	3.59E-08	3.15E-08	1.36E-09	3.27E-08	7.22E-09	1.18E-08	1.87E-08	3.30E-09	2.08E-09	7.72E-08
2133	495661.06	3859651.99	1.16E-04	1.42E-04	1.25E-04	4.03E-08	1.22E-07	7.05E-08	8.63E-08	7.82E-08	3.57E-08	3.13E-08	1.35E-09	3.25E-08	7.17E-09	1.17E-08	1.86E-08	3.28E-09	2.06E-09	7.67E-08
2134	494311.06	3859701.99	1.34E-04	1.64E-04	1.44E-04	4.65E-08	1.40E-07	8.13E-08	9.96E-08	9.03E-08	4.12E-08	3.61E-08	1.55E-09	3.75E-08	8.28E-09	1.35E-08	2.14E-08	3.78E-09	2.38E-09	8.85E-08
2135	494361.06	3859701.99	1.33E-04	1.63E-04	1.43E-04	4.62E-08	1.40E-07	8.08E-08	9.89E-08	8.97E-08	4.09E-08	3.59E-08	1.54E-09	3.73E-08	8.22E-09	1.34E-08	2.13E-08	3.76E-09	2.37E-09	8.79E-08
2136	494411.06	3859701.99	1.33E-04	1.63E-04	1.43E-04	4.60E-08	1.39E-07	8.04E-08	9.85E-08	8.93E-08	4.07E-08	3.57E-08	1.54E-09	3.71E-08	8.19E-09	1.34E-08	2.12E-08	3.74E-09	2.36E-09	8.75E-08
2137	494461.06	3859701.99	1.33E-04	1.62E-04	1.42E-04	4.60E-08	1.39E-07	8.04E-08	9.84E-08	8.92E-08	4.07E-08	3.57E-08	1.54E-09	3.71E-08	8.18E-09	1.34E-08	2.12E-08	3.74E-09	2.35E-09	8.74E-08
2138	494511.06	3859701.99	1.32E-04	1.62E-04	1.42E-04	4.57E-08	1.38E-07	7.99E-08	9.79E-08	8.87E-08	4.05E-08	3.55E-08	1.53E-09	3.69E-08	8.14E-09	1.33E-08	2.11E-08	3.71E-09	2.34E-09	8.70E-08
2139	494561.06	3859701.99	1.31E-04	1.61E-04	1.41E-04	4.55E-08	1.37E-07	7.95E-08	9.74E-08	8.83E-08	4.03E-08	3.53E-08	1.52E-09	3.67E-08	8.10E-09	1.32E-08	2.10E-08	3.70E-09	2.33E-09	8.66E-08
2140	494611.06	3859701.99	1.31E-04	1.60E-04	1.40E-04	4.53E-08	1.37E-07	7.91E-08	9.69E-08	8.79E-08	4.01E-08	3.51E-08	1.51E-09	3.65E-08	8.06E-09	1.32E-08	2.09E-08	3.68E-09	2.32E-09	8.61E-08
2141	494661.06	3859701.99	1.29E-04	1.58E-04	1.39E-04	4.47E-08	1.35E-07	7.82E-08	9.58E-08	8.68E-08	3.96E-08	3.47E-08	1.49E-09	3.61E-08	7.96E-09	1.30E-08	2.06E-08	3.63E-09	2.29E-09	8.51E-08
2142	494711.06	3859701.99	1.29E-04	1.58E-04	1.38E-04	4.46E-08	1.35E-07	7.79E-08	9.55E-08	8.65E-08	3.95E-08	3.46E-08	1.49E-09	3.60E-08	7.94E-09	1.30E-08	2.06E-08	3.62E-09	2.28E-09	8.48E-08
2143	494761.06	3859701.99	1.28E-04	1.57E-04	1.37E-04	4.43E-08	1.34E-07	7.74E-08	9.48E-08	8.59E-08	3.92E-08	3.44E-08	1.48E-09	3.57E-08	7.88E-09	1.29E-08	2.04E-08	3.60E-09	2.27E-09	8.42E-08
2144	494811.06	3859701.99	1.27E-04	1.55E-04	1.36E-04	4.40E-08	1.33E-07	7.68E-08	9.41E-08	8.53E-08	3.89E-08	3.41E-08	1.47E-09	3.55E-08	7.83E-09	1.28E-08	2.03E-08	3.57E-09	2.25E-09	8.36E-08
2145	494861.06	3859701.99	1.27E-04	1.55E-04	1.36E-04	4.39E-08	1.32E-07	7.67E-08	9.39E-08	8.51E-08	3.88E-08	3.40E-08	1.46E-09	3.54E-08	7.81E-09	1.27E-08	2.02E-08	3.56E-09	2.25E-09	8.34E-08
2146	494911.06	3859701.99	1.26E-04	1.54E-04	1.35E-04	4.36E-08	1.32E-07	7.62E-08	9.33E-08	8.46E-08	3.86E-08	3.38E-08	1.46E-09	3.52E-08	7.76E-09	1.27E-08	2.01E-08	3.54E-09	2.23E-09	8.29E-08
2147	494961.06	3859701.99	1.25E-04	1.53E-04	1.34E-04	4.33E-08	1.31E-07	7.57E-08	9.27E-08	8.41E-08	3.84E-08	3.36E-08	1.45E-09	3.49E-08	7.71E-09	1.26E-08	2.00E-08	3.52E-09	2.22E-09	8.24E-08
2148	495011.06	3859701.99	1.24E-04	1.52E-04	1.34E-04	4.31E-08	1.30E-07	7.54E-08	9.24E-08	8.37E-08	3.82E-08	3.35E-08	1.44E-09	3.48E-08	7.68E-09	1.25E-08	1.99E-08	3.51E-09	2.21E-09	8.21E-08
2149	495061.06	3859701.99	1.24E-04	1.52E-04	1.33E-04	4.29E-08	1.30E-07	7.50E-08	9.19E-08	8.33E-08	3.80E-08	3.33E-08	1.43E-09	3.46E-08	7.64E-09	1.25E-08	1.98E-08	3.49E-09	2.20E-09	8.16E-08
2150	495111.06	3859701.99	1.23E-04	1.51E-04	1.32E-04	4.27E-08	1.29E-07	7.46E-08	9.14E-08	8.28E-08	3.78E-08	3.31E-08	1.43E-09	3.44E-08	7.60E-09	1.24E-08	1.97E-08	3.47E-09	2.19E-09	8.12E-08
2151	495161.06	3859701.99	1.22E-04	1.50E-04	1.31E-04	4.24E-08	1.28E-07	7.42E-08	9.08E-08	8.23E-08	3.76E-08	3.29E-08	1.42E-09	3.42E-08	7.55E-09	1.23E-08	1.96E-08	3.45E-09	2.17E-09	8.07E-08
2152	495211.06	3859701.99	1.22E-04	1.49E-04	1.31E-04	4.22E-08	1.27E-07	7.37E-08	9.03E-08	8.18E-08	3.73E-08	3.27E-08	1.41E-09	3.40E-08	7.51E-09	1.23E-08	1.94E-08	3.43E-09	2.16E-09	8.02E-08
2153	495261.06	3859701.99	1.21E-04	1.49E-04	1.30E-04	4.21E-08	1.27E-07	7.35E-08	9.01E-08	8.16E-08	3.72E-08	3.26E-08	1.40E-09	3.39E-08	7.49E-09	1.22E-08	1.94E-08	3.42E-09	2.15E-09	8.00E-08
2154	495311.06	3859701.99	1.21E-04	1.48E-04	1.30E-04	4.18E-08	1.26E-07	7.31E-08	8.95E-08	8.12E-08	3.70E-08	3.25E-08	1.40E-09	3.37E-08	7.44E-09	1.22E-08	1.93E-08	3.40E-09	2.14E-09	7.95E-08
2155	495361.06	3859701.99	1.20E-04	1.47E-04	1.29E-04	4.16E-08	1.26E-07	7.27E-08	8.90E-08	8.07E-08	3.68E-08	3.23E-08	1.39E-09	3.35E-08	7.40E-09	1.21E-08	1.92E-08	3.38E-09	2.13E-09	7.91E-08
2156	495411.06	3859701.99	1.19E-04	1.46E-04	1.28E-04	4.13E-08	1.25E-07	7.22E-08	8.84E-08	8.01E-08	3.66E-08	3.20E-08	1.38E-09	3.33E-08	7.35E-09	1.20E-08	1.90E-08	3.36E-09	2.11E-09	7.85E-08
2157	495461.06	3859701.99	1.18E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.17E-08	8.79E-08	7.97E-08	3.63E-08	3.19E-08	1.37E-09	3.31E-08	7.31E-09	1.19E-08	1.89E-08	3.34E-09	2.10E-09	7.81E-08
2158	495511.06	3859701.99	1.17E-04	1.44E-04	1.26E-04	4.06E-08	1.23E-07	7.10E-08	8.70E-08	7.88E-08	3.60E-08	3.15E-08	1.36E-09	3.28E-08	7.23E-09	1.18E-08	1.87E-08	3.30E-09	2.08E-09	7.73E-08
2159	495561.06	3859701.99	1.17E-04	1.43E-04	1.26E-04	4.06E-08	1.23E-07	7.09E-08	8.69E-08	7.88E-08	3.59E-08	3.15E-08	1.36E-09	3.27E-08	7.22E-09	1.18E-08	1.87E-08	3.30E-09	2.08E-09	7.72E-08
2160	495611.06	3859701.99	1.16E-04	1.43E-04	1.25E-04	4.04E-08	1.22E-07	7.05E-08	8.64E-08	7.83E-08	3.57E-08	3.13E-08	1.35E-09	3.26E-08	7.18E-09	1.17E-08	1.86E-08	3.28E-09	2.07E-09	7.68E-08
2161	495661.06	3859701.99	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.01E-08	8.59E-08	7.78E-08	3.55E-08	3.11E-08	1.34E-09	3.23E-08	7.14E-09	1.17E-08	1.85E-08	3.26E-09	2.05E-09	7.63E-08
2162	494311.06	3859751.99	1.33E-04	1.62E-04	1.42E-04	4.60E-08	1.39E-07	8.03E-08	9.84E-08	8.92E-08	4.07E-08	3.57E-08	1.53E-09	3.71E-08	8.18E-09	1.34E-08	2.12E-08	3.73E-09	2.35E-09	8.74E-08
2163	494361.06	3859751.99	1.32E-04	1.62E-04	1.42E-04	4.57E-08	1.38E-07	7.99E-08	9.79E-08	8.87E-08	4.05E-08	3.55E-08	1.53E-09	3.69E-08	8.14E-09	1.33E-08	2.11E-08	3.71E-09	2.34E-09	8.69E-08
2164	494411.06	3859751.99	1.31E-04	1.61E-04	1.41E-04	4.54E-08	1.37E-07	7.94E-08	9.73E-08	8.82E-08	4.02E-08	3.53E-08	1.52E-09	3.66E-08	8.09E-09	1.32E-08	2.09E-08	3.69E-09	2.33E-09	8.64E-08
2165	494461.06	3859751.99	1.31E-04	1.60E-04	1.40E-04	4.53E-08	1.37E-07	7.92E-08	9.70E-08	8.80E-08	4.01E-08	3.52E-08	1.51E-09	3.66E-08	8.07E-09	1.32E-08	2.09E-08	3.68E-09	2.32E-09	8.62E-08
2166	494511.06	3859751.99	1.30E-04	1.60E-04	1.40E-04	4.52E-08	1.36E-07	7.90E-08	9.67E-08	8.77E-08	4.00E-08	3.51E-08	1.51E-09	3.64E-08	8.04E-09	1.31E-08	2.08E-08	3.67E-09	2.31E-09	8.59E-08
2167	494561.06	3859751.99	1.30E-04	1.59E-04	1.39E-04	4.49E-08	1.36E-07	7.85E-08	9.62E-08	8.72E-08	3.98E-08	3.49E-08	1.50E-09	3.62E-08	8.00E-09	1.31E-08	2.07E-08	3.65E-09	2.30E-09	8.55E-08
2168	494611.06	3859751.99	1.29E-04	1.58E-04	1.38E-04	4.47E-08	1.35E-07	7.81E-08	9.56E-08	8.67E-08	3.95E-08	3.47E-08	1.49E-09	3.60E-08	7.95E-09	1.30E-08	2.06E-08	3.63E-09	2.29E-09	8.50E-08
2169	494661.06	3859751.99	1.28E-04	1.56E-04	1.37E-04	4.43E-08	1.34E-07	7.74E-08	9.48E-08	8.59E-08	3.92E-08	3.44E-08	1.48E-09	3.57E-08	7.88E-09	1.29E-08	2.04E-08	3.60E-09	2.27E-09	8.42E-08
2170	494711.06	3859751.99	1.27E-04	1.56E-04	1.37E-04	4.41E-08	1.33E-07	7.71E-08	9.45E-08	8.57E-08	3.91E-08	3.43E-08	1.47E-09	3.56E-08	7.86E-09	1.28E-08	2.04E-08	3.59E-09	2.26E-09	8.40E-08
2171	494761.06	3859751.99	1.27E-04	1.55E-04	1.36E-04	4.39E-08	1.33E-07	7.68E-08	9.41E-08	8.53E-08	3.89E-08	3.41E-08	1.47E-09	3.54E-08	7.82E-09	1.28E-08	2.03E-08	3.57E-09	2.25E-09	8.36E-08
2172	494811.06	3859751.99	1.26E-04	1.54E-04	1.35E-04	4.37E-08	1.32E-07	7.63E-08	9.35E-08	8.47E-08	3.87E-08	3.39E-08	1.46E-09	3.52E-08	7.77E-09	1.27E-08	2.01E-08	3.55E-09	2.24E-09	8.31E-08
2173	494861.06	3859751.99	1.25E-04	1.54E-04	1.35E-04	4.35E-08	1.31E-07	7.60E-08	9.30E-08	8.43E-08	3.85E-08	3.37E-08	1.45E-09	3.51E-08	7.73E-09	1.26E-08	2.00E-08	3.53E-09	2.22E-09	8.27E-08
2174	494911.06	3859751.99	1.25E-04	1.53E-04	1.34E-04	4.32E-08	1.31E-07	7.56E-08	9.26E-08	8.39E-08	3.83E-08	3.36E-08	1.44E-09	3.49E-08	7.70E-09	1.26E-08	1.99E-08	3.51E-09	2.21E-09	8.22E-08
2175	494961.06	3859751.99	1.24E-04	1.52E-04	1.33E-04	4.30E-08	1.30E-07	7.52E-08	9.21E-08	8.35E-08	3.81E-08	3.34E-08	1.44E-09	3.47E-08	7.66E-09	1.25E-08	1.98E-08	3.50E-09	2.20E-09	8.18E-08
2176	495011.06	3859751.99	1.23E-04	1.51E-04	1.33E-04	4.28E-08	1.29E-07	7.48E-08	9.16E-08	8.30E-08	3.79E-08	3.32E-08	1.43E-09	3.45E-08	7.62E-09	1.24E-08	1.97E-08	3.48E-09	2.19E-09	8.14E-08
2177	495061.06	3859751.99	1.23E-04	1.51E-04	1.32E-04	4.26E-08	1.29E-07	7.45E-08	9.12E-08	8.27E-08	3.77E-08	3.31E-08	1.42E-09	3.44E-08	7.58E-09	1.24E-08	1.96E-08	3.46E-09	2.18E-09	8.10E-08
2178	495111.06	3859751.99	1.22E-04	1.50E-04	1.31E-04	4.24E-08	1.28E-07	7.41E-08	9.07E-08	8.22E-08	3.75E-08	3.29E-08	1.42E-09	3.42E-08	7.54E-09	1.23E-08	1.95E-08	3.44E-09	2.17E-09	8.06E-08
2179	495161.06	3859751.99	1.22E-04	1.49E-04	1.31E-04	4.21E-08	1.27E-07	7.36E-08	9.02E-08	8.18E-08	3.73E-08	3.27E-08	1.41E-09	3.40E-08	7.50E-09	1.22E-08	1.94E-08	3.42E-09	2.16E-09	8.02E-08
2180	495211.06	3859751.99	1.21E-04	1.48E-04	1.30E-04	4.19E-08	1.26E-07	7.32E-08	8.97E-08	8.13E-08	3.71E-08	3.25E-08	1.40E-09	3.38E-08	7.45E-09	1.22E-08	1.93E-08	3.40E-09	2.14E-09	7.97E-08
2181	495261.06	3859751.99	1.20E-04	1.47E-04	1.29E-04	4.17E-08	1.26E-07	7.29E-08	8.93E-08	8.09E-08	3.69E-08	3.24E-08	1.39E-09	3.36E-08	7.42E-09	1.21E-08	1.92E-08	3.39E-09	2.13E-09	7.93E-08
2182	495311.06	3859751.99	1.20E-04	1.47E-04	1.28E-04	4.15E-08	1.25E-07	7.25E-08	8.88E-08	8.05E-08	3.67E-08	3.22E-08	1.38E-09	3.35E-08	7.38E-09	1.21E-08	1.91E-08	3.37E-09	2.12E-09	7.89E-08
2183	495361.06	3859751.99	1.19E-04	1.46E-04	1.28E-04	4.13E-08	1.25E-07	7.21E-08	8.83E-08	8.01E-08	3.65E-08	3.20E-08	1.38E-09	3.33E-08	7.34E-09	1.20E-08	1.90E-08	3.35E-09	2.11E-09	7.85E-08
2184	495411.06	3859751.99	1.18E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.17E-08	8.79E-08	7.97E-08	3.63E-08	3.19E-08	1.37E-09	3.31E-08	7.31E-09	1.19E-08	1.89E-08	3.34E-09	2.10E-09	7.81E-08
2185	495461.06	3859751.99	1.18E-04	1.44E-04	1.26E-04	4.08E-08	1.23E-07	7.12E-08	8.73E-08	7.91E-08	3.61E-08	3.16E-08	1.36E-09	3.29E-08	7.25E-09	1.18E-08	1.88E-08	3.31E-09	2.09E-09	7.75E-08
2186	495511.06	3859751.99	1.17E-04	1.43E-04	1.25E-04	4.05E-08	1.22E-07	7.07E-08	8.66E-08	7.85E-08	3.58E-08	3.14E-08	1.35E-09	3.26E-08	7.20E-09	1.18E-08	1.87E-08	3.29E-09	2.07E-09	7.70E-08
2187	495561.06	3859751.99	1.16E-04	1.42E-04	1.25E-04	4.03E-08	1.22E-07	7.04E-08	8.62E-08	7.81E-08	3.56E-08	3.12E-08	1.34E-09	3.25E-08	7.16E-09	1.17E-08	1.86E-08	3.27E-09	2.06E-09	7.66E-08
2188	495611.06	3859751.99	1.16E-04	1.42E-04	1.24E-04	4.00E-08	1.21E-07	7.00E-08	8.57E-08	7.77E-08	3.55E-08	3.11E-08	1.34E-09	3.23E-08	7.13E-09	1.16E-08	1.85E-08	3.25E-09	2.05E-09	7.62E-08
2189	495661.06	3859751.99	1.15E-04	1.41E-04	1.24E-04	3.99E-08	1.20E-07	6.97E-08	8.54E-08	7.74E-08	3.53E-08	3.09E-08	1.33E-09	3.22E-08	7.10E-09	1.16E-08	1.84E-08	3.24E-09	2.04E-09	7.58E-08

2190	494311.06	3859801.99	1.31E-04	1.60E-04	1.40E-04	4.53E-08	1.37E-07	7.93E-08	9.71E-08	8.80E-08	4.02E-08	3.52E-08	1.51E-09	3.66E-08	8.07E-09	1.32E-08	2.09E-08	3.68E-09	2.32E-09	8.63E-08
2191	494361.06	3859801.99	1.30E-04	1.59E-04	1.40E-04	4.51E-08	1.36E-07	7.88E-08	9.65E-08	8.75E-08	3.99E-08	3.50E-08	1.51E-09	3.64E-08	8.02E-09	1.31E-08	2.08E-08	3.66E-09	2.31E-09	8.57E-08
2192	494411.06	3859801.99	1.29E-04	1.58E-04	1.39E-04	4.48E-08	1.35E-07	7.83E-08	9.59E-08	8.69E-08	3.97E-08	3.48E-08	1.50E-09	3.61E-08	7.97E-09	1.30E-08	2.06E-08	3.64E-09	2.29E-09	8.52E-08
2193	494461.06	3859801.99	1.29E-04	1.58E-04	1.38E-04	4.47E-08	1.35E-07	7.81E-08	9.56E-08	8.67E-08	3.96E-08	3.47E-08	1.49E-09	3.60E-08	7.95E-09	1.30E-08	2.06E-08	3.63E-09	2.29E-09	8.50E-08
2194	494511.06	3859801.99	1.29E-04	1.57E-04	1.38E-04	4.45E-08	1.35E-07	7.79E-08	9.54E-08	8.64E-08	3.94E-08	3.46E-08	1.49E-09	3.59E-08	7.93E-09	1.29E-08	2.05E-08	3.62E-09	2.28E-09	8.47E-08
2195	494561.06	3859801.99	1.28E-04	1.57E-04	1.37E-04	4.43E-08	1.34E-07	7.75E-08	9.49E-08	8.60E-08	3.93E-08	3.44E-08	1.48E-09	3.58E-08	7.89E-09	1.29E-08	2.04E-08	3.60E-09	2.27E-09	8.43E-08
2196	494611.06	3859801.99	1.27E-04	1.56E-04	1.36E-04	4.40E-08	1.33E-07	7.69E-08	9.42E-08	8.54E-08	3.90E-08	3.42E-08	1.47E-09	3.55E-08	7.83E-09	1.28E-08	2.03E-08	3.58E-09	2.25E-09	8.37E-08
2197	494661.06	3859801.99	1.26E-04	1.55E-04	1.36E-04	4.38E-08	1.32E-07	7.65E-08	9.37E-08	8.50E-08	3.88E-08	3.40E-08	1.46E-09	3.53E-08	7.79E-09	1.27E-08	2.02E-08	3.56E-09	2.24E-09	8.33E-08
2198	494711.06	3859801.99	1.26E-04	1.54E-04	1.35E-04	4.35E-08	1.31E-07	7.61E-08	9.31E-08	8.44E-08	3.85E-08	3.38E-08	1.45E-09	3.51E-08	7.74E-09	1.26E-08	2.01E-08	3.54E-09	2.23E-09	8.28E-08
2199	494761.06	3859801.99	1.25E-04	1.53E-04	1.34E-04	4.34E-08	1.31E-07	7.59E-08	9.29E-08	8.43E-08	3.84E-08	3.37E-08	1.45E-09	3.50E-08	7.73E-09	1.26E-08	2.00E-08	3.53E-09	2.22E-09	8.26E-08
2200	494811.06	3859801.99	1.25E-04	1.53E-04	1.34E-04	4.32E-08	1.30E-07	7.55E-08	9.24E-08	8.38E-08	3.82E-08	3.35E-08	1.44E-09	3.48E-08	7.69E-09	1.26E-08	1.99E-08	3.51E-09	2.21E-09	8.21E-08
2201	494861.06	3859801.99	1.24E-04	1.52E-04	1.33E-04	4.30E-08	1.30E-07	7.51E-08	9.20E-08	8.34E-08	3.81E-08	3.34E-08	1.44E-09	3.47E-08	7.65E-09	1.25E-08	1.98E-08	3.49E-09	2.20E-09	8.18E-08
2202	494911.06	3859801.99	1.23E-04	1.51E-04	1.32E-04	4.27E-08	1.29E-07	7.47E-08	9.15E-08	8.30E-08	3.78E-08	3.32E-08	1.43E-09	3.45E-08	7.61E-09	1.24E-08	1.97E-08	3.47E-09	2.19E-09	8.13E-08
2203	494961.06	3859801.99	1.23E-04	1.50E-04	1.32E-04	4.25E-08	1.28E-07	7.44E-08	9.11E-08	8.26E-08	3.77E-08	3.30E-08	1.42E-09	3.43E-08	7.57E-09	1.24E-08	1.96E-08	3.46E-09	2.18E-09	8.09E-08
2204	495011.06	3859801.99	1.22E-04	1.50E-04	1.31E-04	4.23E-08	1.28E-07	7.40E-08	9.06E-08	8.21E-08	3.75E-08	3.28E-08	1.41E-09	3.41E-08	7.53E-09	1.23E-08	1.95E-08	3.44E-09	2.17E-09	8.05E-08
2205	495061.06	3859801.99	1.22E-04	1.49E-04	1.31E-04	4.21E-08	1.27E-07	7.37E-08	9.02E-08	8.18E-08	3.73E-08	3.27E-08	1.41E-09	3.40E-08	7.50E-09	1.22E-08	1.94E-08	3.42E-09	2.16E-09	8.02E-08
2206	495111.06	3859801.99	1.21E-04	1.48E-04	1.30E-04	4.19E-08	1.27E-07	7.32E-08	8.97E-08	8.13E-08	3.71E-08	3.25E-08	1.40E-09	3.38E-08	7.46E-09	1.22E-08	1.93E-08	3.41E-09	2.14E-09	7.97E-08
2207	495161.06	3859801.99	1.20E-04	1.47E-04	1.29E-04	4.17E-08	1.26E-07	7.28E-08	8.92E-08	8.09E-08	3.69E-08	3.23E-08	1.39E-09	3.36E-08	7.42E-09	1.21E-08	1.92E-08	3.39E-09	2.13E-09	7.93E-08
2208	495211.06	3859801.99	1.20E-04	1.47E-04	1.29E-04	4.15E-08	1.25E-07	7.25E-08	8.88E-08	8.05E-08	3.67E-08	3.22E-08	1.39E-09	3.35E-08	7.38E-09	1.21E-08	1.91E-08	3.37E-09	2.12E-09	7.89E-08
2209	495261.06	3859801.99	1.19E-04	1.46E-04	1.28E-04	4.12E-08	1.25E-07	7.21E-08	8.83E-08	8.01E-08	3.65E-08	3.20E-08	1.38E-09	3.33E-08	7.34E-09	1.20E-08	1.90E-08	3.35E-09	2.11E-09	7.85E-08
2210	495311.06	3859801.99	1.19E-04	1.45E-04	1.27E-04	4.11E-08	1.24E-07	7.18E-08	8.79E-08	7.97E-08	3.64E-08	3.19E-08	1.37E-09	3.31E-08	7.31E-09	1.19E-08	1.89E-08	3.34E-09	2.10E-09	7.81E-08
2211	495361.06	3859801.99	1.18E-04	1.44E-04	1.27E-04	4.09E-08	1.23E-07	7.14E-08	8.75E-08	7.93E-08	3.62E-08	3.17E-08	1.36E-09	3.30E-08	7.27E-09	1.19E-08	1.88E-08	3.32E-09	2.09E-09	7.77E-08
2212	495411.06	3859801.99	1.17E-04	1.44E-04	1.26E-04	4.06E-08	1.23E-07	7.10E-08	8.69E-08	7.88E-08	3.60E-08	3.15E-08	1.36E-09	3.28E-08	7.23E-09	1.18E-08	1.87E-08	3.30E-09	2.08E-09	7.73E-08
2213	495461.06	3859801.99	1.17E-04	1.43E-04	1.25E-04	4.04E-08	1.22E-07	7.06E-08	8.65E-08	7.84E-08	3.58E-08	3.14E-08	1.35E-09	3.26E-08	7.19E-09	1.17E-08	1.86E-08	3.28E-09	2.07E-09	7.69E-08
2214	495511.06	3859801.99	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.01E-08	8.59E-08	7.79E-08	3.55E-08	3.11E-08	1.34E-09	3.24E-08	7.14E-09	1.17E-08	1.85E-08	3.26E-09	2.05E-09	7.63E-08
2215	495561.06	3859801.99	1.15E-04	1.41E-04	1.24E-04	3.99E-08	1.21E-07	6.98E-08	8.55E-08	7.75E-08	3.54E-08	3.10E-08	1.33E-09	3.22E-08	7.11E-09	1.16E-08	1.84E-08	3.25E-09	2.04E-09	7.60E-08
2216	495611.06	3859801.99	1.15E-04	1.41E-04	1.23E-04	3.98E-08	1.20E-07	6.96E-08	8.52E-08	7.73E-08	3.53E-08	3.09E-08	1.33E-09	3.21E-08	7.09E-09	1.16E-08	1.84E-08	3.24E-09	2.04E-09	7.57E-08
2217	495661.06	3859801.99	1.14E-04	1.40E-04	1.23E-04	3.96E-08	1.19E-07	6.91E-08	8.47E-08	7.68E-08	3.50E-08	3.07E-08	1.32E-09	3.19E-08	7.04E-09	1.15E-08	1.82E-08	3.21E-09	2.03E-09	7.53E-08
2218	494311.06	3859851.99	1.29E-04	1.58E-04	1.38E-04	4.46E-08	1.35E-07	7.80E-08	9.56E-08	8.67E-08	3.95E-08	3.47E-08	1.49E-09	3.60E-08	7.95E-09	1.30E-08	2.06E-08	3.63E-09	2.29E-09	8.49E-08
2219	494361.06	3859851.99	1.28E-04	1.57E-04	1.38E-04	4.44E-08	1.34E-07	7.77E-08	9.51E-08	8.62E-08	3.93E-08	3.45E-08	1.48E-09	3.58E-08	7.91E-09	1.29E-08	2.05E-08	3.61E-09	2.27E-09	8.45E-08
2220	494411.06	3859851.99	1.27E-04	1.56E-04	1.37E-04	4.42E-08	1.33E-07	7.72E-08	9.46E-08	8.57E-08	3.91E-08	3.43E-08	1.48E-09	3.56E-08	7.86E-09	1.28E-08	2.04E-08	3.59E-09	2.26E-09	8.40E-08
2221	494461.06	3859851.99	1.27E-04	1.55E-04	1.36E-04	4.40E-08	1.33E-07	7.69E-08	9.41E-08	8.53E-08	3.89E-08	3.41E-08	1.47E-09	3.55E-08	7.83E-09	1.28E-08	2.03E-08	3.57E-09	2.25E-09	8.36E-08
2222	494511.06	3859851.99	1.26E-04	1.55E-04	1.36E-04	4.38E-08	1.32E-07	7.66E-08	9.38E-08	8.50E-08	3.88E-08	3.40E-08	1.46E-09	3.53E-08	7.80E-09	1.27E-08	2.02E-08	3.56E-09	2.24E-09	8.33E-08
2223	494561.06	3859851.99	1.26E-04	1.54E-04	1.35E-04	4.37E-08	1.32E-07	7.63E-08	9.35E-08	8.48E-08	3.87E-08	3.39E-08	1.46E-09	3.52E-08	7.77E-09	1.27E-08	2.01E-08	3.55E-09	2.24E-09	8.31E-08
2224	494611.06	3859851.99	1.25E-04	1.53E-04	1.34E-04	4.34E-08	1.31E-07	7.58E-08	9.29E-08	8.42E-08	3.84E-08	3.37E-08	1.45E-09	3.50E-08	7.72E-09	1.26E-08	2.00E-08	3.53E-09	2.22E-09	8.25E-08
2225	494661.06	3859851.99	1.25E-04	1.53E-04	1.34E-04	4.32E-08	1.30E-07	7.55E-08	9.25E-08	8.39E-08	3.83E-08	3.35E-08	1.44E-09	3.49E-08	7.69E-09	1.26E-08	1.99E-08	3.51E-09	2.21E-09	8.22E-08
2226	494711.06	3859851.99	1.24E-04	1.52E-04	1.33E-04	4.30E-08	1.30E-07	7.51E-08	9.20E-08	8.34E-08	3.80E-08	3.33E-08	1.43E-09	3.46E-08	7.65E-09	1.25E-08	1.98E-08	3.49E-09	2.20E-09	8.17E-08
2227	494761.06	3859851.99	1.24E-04	1.51E-04	1.33E-04	4.28E-08	1.29E-07	7.49E-08	9.17E-08	8.31E-08	3.79E-08	3.32E-08	1.43E-09	3.45E-08	7.62E-09	1.24E-08	1.97E-08	3.48E-09	2.19E-09	8.15E-08
2228	494811.06	3859851.99	1.23E-04	1.51E-04	1.32E-04	4.26E-08	1.29E-07	7.45E-08	9.12E-08	8.27E-08	3.77E-08	3.31E-08	1.42E-09	3.44E-08	7.59E-09	1.24E-08	1.97E-08	3.46E-09	2.18E-09	8.11E-08
2229	494861.06	3859851.99	1.22E-04	1.50E-04	1.31E-04	4.24E-08	1.28E-07	7.42E-08	9.09E-08	8.24E-08	3.76E-08	3.29E-08	1.42E-09	3.42E-08	7.56E-09	1.23E-08	1.96E-08	3.45E-09	2.17E-09	8.07E-08
2230	494911.06	3859851.99	1.22E-04	1.49E-04	1.31E-04	4.22E-08	1.28E-07	7.38E-08	9.04E-08	8.20E-08	3.74E-08	3.28E-08	1.41E-09	3.41E-08	7.52E-09	1.23E-08	1.95E-08	3.43E-09	2.16E-09	8.03E-08
2231	494961.06	3859851.99	1.21E-04	1.49E-04	1.30E-04	4.20E-08	1.27E-07	7.35E-08	9.00E-08	8.16E-08	3.72E-08	3.26E-08	1.40E-09	3.39E-08	7.48E-09	1.22E-08	1.94E-08	3.42E-09	2.15E-09	8.00E-08
2232	495011.06	3859851.99	1.21E-04	1.48E-04	1.30E-04	4.18E-08	1.26E-07	7.31E-08	8.96E-08	8.12E-08	3.70E-08	3.25E-08	1.40E-09	3.37E-08	7.45E-09	1.22E-08	1.93E-08	3.40E-09	2.14E-09	7.96E-08
2233	495061.06	3859851.99	1.20E-04	1.47E-04	1.29E-04	4.17E-08	1.26E-07	7.28E-08	8.92E-08	8.08E-08	3.69E-08	3.23E-08	1.39E-09	3.36E-08	7.41E-09	1.21E-08	1.92E-08	3.38E-09	2.13E-09	7.92E-08
2234	495111.06	3859851.99	1.20E-04	1.46E-04	1.28E-04	4.14E-08	1.25E-07	7.24E-08	8.87E-08	8.04E-08	3.67E-08	3.22E-08	1.38E-09	3.34E-08	7.37E-09	1.20E-08	1.91E-08	3.37E-09	2.12E-09	7.88E-08
2235	495161.06	3859851.99	1.19E-04	1.46E-04	1.28E-04	4.12E-08	1.24E-07	7.21E-08	8.83E-08	8.00E-08	3.65E-08	3.20E-08	1.38E-09	3.32E-08	7.34E-09	1.20E-08	1.90E-08	3.35E-09	2.11E-09	7.84E-08
2236	495211.06	3859851.99	1.18E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.17E-08	8.78E-08	7.96E-08	3.63E-08	3.18E-08	1.37E-09	3.31E-08	7.30E-09	1.19E-08	1.89E-08	3.33E-09	2.10E-09	7.80E-08
2237	495261.06	3859851.99	1.18E-04	1.44E-04	1.26E-04	4.08E-08	1.23E-07	7.14E-08	8.74E-08	7.92E-08	3.62E-08	3.17E-08	1.36E-09	3.29E-08	7.27E-09	1.19E-08	1.88E-08	3.32E-09	2.09E-09	7.77E-08
2238	495311.06	3859851.99	1.17E-04	1.44E-04	1.26E-04	4.06E-08	1.23E-07	7.10E-08	8.70E-08	7.89E-08	3.60E-08	3.15E-08	1.36E-09	3.28E-08	7.23E-09	1.18E-08	1.87E-08	3.30E-09	2.08E-09	7.73E-08
2239	495361.06	3859851.99	1.17E-04	1.43E-04	1.25E-04	4.05E-08	1.22E-07	7.07E-08	8.66E-08	7.85E-08	3.58E-08	3.14E-08	1.35E-09	3.26E-08	7.20E-09	1.18E-08	1.87E-08	3.29E-09	2.07E-09	7.70E-08
2240	495411.06	3859851.99	1.16E-04	1.42E-04	1.25E-04	4.02E-08	1.21E-07	7.03E-08	8.61E-08	7.81E-08	3.56E-08	3.12E-08	1.34E-09	3.24E-08	7.16E-09	1.17E-08	1.85E-08	3.27E-09	2.06E-09	7.65E-08
2241	495461.06	3859851.99	1.15E-04	1.41E-04	1.24E-04	4.00E-08	1.21E-07	6.99E-08	8.57E-08	7.76E-08	3.54E-08	3.11E-08	1.34E-09	3.23E-08	7.12E-09	1.16E-08	1.84E-08	3.25E-09	2.05E-09	7.61E-08
2242	495511.06	3859851.99	1.15E-04	1.41E-04	1.23E-04	3.98E-08	1.20E-07	6.95E-08	8.51E-08	7.72E-08	3.52E-08	3.09E-08	1.33E-09	3.21E-08	7.08E-09	1.16E-08	1.83E-08	3.23E-09	2.04E-09	7.57E-08
2243	495561.06	3859851.99	1.14E-04	1.40E-04	1.23E-04	3.96E-08	1.20E-07	6.92E-08	8.48E-08	7.69E-08	3.51E-08	3.07E-08	1.32E-09	3.20E-08	7.05E-09	1.15E-08	1.83E-08	3.22E-09	2.03E-09	7.54E-08
2244	495611.06	3859851.99	1.14E-04	1.39E-04	1.22E-04	3.94E-08	1.19E-07	6.89E-08	8.44E-08	7.65E-08	3.49E-08	3.06E-08	1.32E-09	3.18E-08	7.02E-09	1.15E-08	1.82E-08	3.21E-09	2.02E-09	7.50E-08
2245	495661.06	3859851.99	1.13E-04	1.39E-04	1.21E-04	3.92E-08	1.18E-07	6.85E-08	8.39E-08	7.61E-08	3.47E-08	3.04E-08	1.31E-09	3.16E-08	6.98E-09	1.14E-08	1.81E-08	3.19E-09	2.01E-09	7.46E-08
2246	494311.06	3859901.99	1.27E-04	1.55E-04	1.36E-04	4.39E-08	1.33E-07	7.68E-08	9.41E-08	8.53E-08	3.89E-08	3.41E-08	1.47E-09	3.54E-08	7.82E-09	1.28E-08	2.03E-08	3.57E-09	2.25E-09	8.36E-08
2247	494361.06	3859901.99	1.26E-04	1.54E-04	1.35E-04	4.37E-08	1.32E-07	7.63E-08	9.35E-08	8.48E-08	3.87E-08	3.39E-08	1.46E-09	3.52E-08	7.77E-09	1.27E-08	2.01E-08	3.55E-09	2.24E-09	8.31E-08
2248	494411.06	3859901.99	1.26E-04	1.54E-04	1.35E-04	4.35E-08	1.31E-07	7.61E-08	9.32E-08	8.44E-08	3.85E-08	3.38E-08	1.45E-09	3.51E-08	7.74E-09	1.26E-08	2.01E-08	3.54E-09	2.23E-09	8.28E-08
2249	494461.06	3859901.99	1.25E-04	1.53E-04	1.34E-04	4.33E-08	1.31E-07	7.57E-08	9.27E-08	8.41E-08	3.84E-08	3.36E-08	1.45E-09	3.49E-08	7.71E-09	1.26E-08	2.00E-08	3.52E-09	2.22E-09	8.24E-08
2250	494511.06	3859901.99	1.24E-04	1.52E-04	1.34E-04	4.31E-08	1.30E-07	7.54E-08	9.24E-08	8.37E-08	3.82E-08	3.35E-08	1.44E-09	3.48E-08	7.68E-09	1.25E-08	1.99E-08	3.51E-09	2.21E-09	8.21E-08

2251	494561.06	3859901.99	1.24E-04	1.52E-04	1.33E-04	4.30E-08	1.30E-07	7.52E-08	9.21E-08	8.35E-08	3.81E-08	3.34E-08	1.44E-09	3.47E-08	7.66E-09	1.25E-08	1.98E-08	3.50E-09	2.20E-09	8.18E-08
2252	494611.06	3859901.99	1.23E-04	1.51E-04	1.32E-04	4.27E-08	1.29E-07	7.47E-08	9.15E-08	8.30E-08	3.79E-08	3.32E-08	1.43E-09	3.45E-08	7.61E-09	1.24E-08	1.97E-08	3.47E-09	2.19E-09	8.13E-08
2253	494661.06	3859901.99	1.23E-04	1.51E-04	1.32E-04	4.26E-08	1.29E-07	7.45E-08	9.12E-08	8.27E-08	3.77E-08	3.31E-08	1.42E-09	3.44E-08	7.58E-09	1.24E-08	1.96E-08	3.46E-09	2.18E-09	8.11E-08
2254	494711.06	3859901.99	1.22E-04	1.50E-04	1.31E-04	4.23E-08	1.28E-07	7.40E-08	9.06E-08	8.22E-08	3.75E-08	3.29E-08	1.41E-09	3.42E-08	7.54E-09	1.23E-08	1.95E-08	3.44E-09	2.17E-09	8.05E-08
2255	494761.06	3859901.99	1.22E-04	1.49E-04	1.31E-04	4.22E-08	1.27E-07	7.37E-08	9.03E-08	8.19E-08	3.74E-08	3.27E-08	1.41E-09	3.40E-08	7.51E-09	1.23E-08	1.95E-08	3.43E-09	2.16E-09	8.03E-08
2256	494811.06	3859901.99	1.21E-04	1.49E-04	1.30E-04	4.20E-08	1.27E-07	7.35E-08	9.00E-08	8.16E-08	3.72E-08	3.26E-08	1.40E-09	3.39E-08	7.48E-09	1.22E-08	1.94E-08	3.42E-09	2.15E-09	8.00E-08
2257	494861.06	3859901.99	1.21E-04	1.48E-04	1.30E-04	4.19E-08	1.26E-07	7.32E-08	8.96E-08	8.13E-08	3.71E-08	3.25E-08	1.40E-09	3.38E-08	7.45E-09	1.22E-08	1.93E-08	3.40E-09	2.14E-09	7.96E-08
2258	494911.06	3859901.99	1.20E-04	1.47E-04	1.29E-04	4.17E-08	1.26E-07	7.28E-08	8.92E-08	8.08E-08	3.69E-08	3.23E-08	1.39E-09	3.36E-08	7.41E-09	1.21E-08	1.92E-08	3.39E-09	2.13E-09	7.92E-08
2259	494961.06	3859901.99	1.20E-04	1.47E-04	1.29E-04	4.15E-08	1.25E-07	7.25E-08	8.88E-08	8.05E-08	3.67E-08	3.22E-08	1.39E-09	3.35E-08	7.38E-09	1.21E-08	1.91E-08	3.37E-09	2.12E-09	7.89E-08
2260	495011.06	3859901.99	1.19E-04	1.46E-04	1.28E-04	4.13E-08	1.25E-07	7.22E-08	8.84E-08	8.01E-08	3.66E-08	3.20E-08	1.38E-09	3.33E-08	7.35E-09	1.20E-08	1.90E-08	3.36E-09	2.11E-09	7.85E-08
2261	495061.06	3859901.99	1.19E-04	1.45E-04	1.27E-04	4.11E-08	1.24E-07	7.18E-08	8.80E-08	7.98E-08	3.64E-08	3.19E-08	1.37E-09	3.31E-08	7.31E-09	1.19E-08	1.90E-08	3.34E-09	2.10E-09	7.82E-08
2262	495111.06	3859901.99	1.18E-04	1.45E-04	1.27E-04	4.09E-08	1.23E-07	7.15E-08	8.75E-08	7.93E-08	3.62E-08	3.17E-08	1.37E-09	3.30E-08	7.28E-09	1.19E-08	1.89E-08	3.32E-09	2.09E-09	7.78E-08
2263	495161.06	3859901.99	1.17E-04	1.44E-04	1.26E-04	4.07E-08	1.23E-07	7.11E-08	8.71E-08	7.89E-08	3.60E-08	3.16E-08	1.36E-09	3.28E-08	7.24E-09	1.18E-08	1.88E-08	3.31E-09	2.08E-09	7.74E-08
2264	495211.06	3859901.99	1.17E-04	1.43E-04	1.25E-04	4.05E-08	1.22E-07	7.08E-08	8.67E-08	7.86E-08	3.59E-08	3.14E-08	1.35E-09	3.27E-08	7.21E-09	1.18E-08	1.87E-08	3.29E-09	2.07E-09	7.71E-08
2265	495261.06	3859901.99	1.16E-04	1.42E-04	1.25E-04	4.03E-08	1.22E-07	7.04E-08	8.63E-08	7.82E-08	3.57E-08	3.13E-08	1.35E-09	3.25E-08	7.17E-09	1.17E-08	1.86E-08	3.27E-09	2.06E-09	7.67E-08
2266	495311.06	3859901.99	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.02E-08	8.59E-08	7.79E-08	3.55E-08	3.12E-08	1.34E-09	3.24E-08	7.14E-09	1.17E-08	1.85E-08	3.26E-09	2.05E-09	7.64E-08
2267	495361.06	3859901.99	1.15E-04	1.41E-04	1.24E-04	3.99E-08	1.21E-07	6.98E-08	8.55E-08	7.75E-08	3.54E-08	3.10E-08	1.33E-09	3.22E-08	7.11E-09	1.16E-08	1.84E-08	3.25E-09	2.05E-09	7.60E-08
2268	495411.06	3859901.99	1.15E-04	1.40E-04	1.23E-04	3.97E-08	1.20E-07	6.95E-08	8.51E-08	7.71E-08	3.52E-08	3.08E-08	1.33E-09	3.21E-08	7.07E-09	1.15E-08	1.83E-08	3.23E-09	2.03E-09	7.56E-08
2269	495461.06	3859901.99	1.14E-04	1.40E-04	1.22E-04	3.95E-08	1.19E-07	6.91E-08	8.47E-08	7.67E-08	3.50E-08	3.07E-08	1.32E-09	3.19E-08	7.04E-09	1.15E-08	1.82E-08	3.21E-09	2.02E-09	7.52E-08
2270	495511.06	3859901.99	1.14E-04	1.39E-04	1.22E-04	3.94E-08	1.19E-07	6.88E-08	8.43E-08	7.64E-08	3.49E-08	3.06E-08	1.31E-09	3.18E-08	7.01E-09	1.14E-08	1.82E-08	3.20E-09	2.02E-09	7.49E-08
2271	495561.06	3859901.99	1.13E-04	1.39E-04	1.21E-04	3.92E-08	1.18E-07	6.85E-08	8.40E-08	7.61E-08	3.47E-08	3.04E-08	1.31E-09	3.16E-08	6.98E-09	1.14E-08	1.81E-08	3.19E-09	2.01E-09	7.46E-08
2272	495611.06	3859901.99	1.13E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.82E-08	8.35E-08	7.57E-08	3.45E-08	3.03E-08	1.30E-09	3.15E-08	6.94E-09	1.13E-08	1.80E-08	3.17E-09	2.00E-09	7.42E-08
2273	495661.06	3859901.99	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.78E-08	8.30E-08	7.53E-08	3.43E-08	3.01E-08	1.30E-09	3.13E-08	6.90E-09	1.13E-08	1.79E-08	3.15E-09	1.99E-09	7.38E-08
2274	494311.06	3859951.99	1.25E-04	1.53E-04	1.34E-04	4.32E-08	1.31E-07	7.56E-08	9.26E-08	8.39E-08	3.83E-08	3.36E-08	1.44E-09	3.49E-08	7.70E-09	1.26E-08	1.99E-08	3.51E-09	2.21E-09	8.23E-08
2275	494361.06	3859951.99	1.24E-04	1.52E-04	1.33E-04	4.30E-08	1.30E-07	7.52E-08	9.21E-08	8.35E-08	3.81E-08	3.34E-08	1.44E-09	3.47E-08	7.66E-09	1.25E-08	1.98E-08	3.50E-09	2.20E-09	8.19E-08
2276	494411.06	3859951.99	1.24E-04	1.51E-04	1.33E-04	4.28E-08	1.29E-07	7.49E-08	9.17E-08	8.31E-08	3.79E-08	3.32E-08	1.43E-09	3.45E-08	7.62E-09	1.24E-08	1.97E-08	3.48E-09	2.19E-09	8.15E-08
2277	494461.06	3859951.99	1.23E-04	1.51E-04	1.32E-04	4.26E-08	1.29E-07	7.45E-08	9.13E-08	8.27E-08	3.78E-08	3.31E-08	1.42E-09	3.44E-08	7.59E-09	1.24E-08	1.97E-08	3.46E-09	2.18E-09	8.11E-08
2278	494511.06	3859951.99	1.23E-04	1.50E-04	1.32E-04	4.25E-08	1.28E-07	7.42E-08	9.09E-08	8.24E-08	3.76E-08	3.30E-08	1.42E-09	3.43E-08	7.56E-09	1.23E-08	1.96E-08	3.45E-09	2.17E-09	8.08E-08
2279	494561.06	3859951.99	1.22E-04	1.50E-04	1.31E-04	4.24E-08	1.28E-07	7.41E-08	9.07E-08	8.22E-08	3.75E-08	3.29E-08	1.41E-09	3.42E-08	7.54E-09	1.23E-08	1.95E-08	3.44E-09	2.17E-09	8.06E-08
2280	494611.06	3859951.99	1.22E-04	1.49E-04	1.30E-04	4.21E-08	1.27E-07	7.36E-08	9.02E-08	8.18E-08	3.73E-08	3.27E-08	1.41E-09	3.40E-08	7.50E-09	1.22E-08	1.94E-08	3.42E-09	2.16E-09	8.01E-08
2281	494661.06	3859951.99	1.21E-04	1.48E-04	1.30E-04	4.20E-08	1.27E-07	7.34E-08	8.99E-08	8.15E-08	3.72E-08	3.26E-08	1.40E-09	3.39E-08	7.47E-09	1.22E-08	1.94E-08	3.41E-09	2.15E-09	7.99E-08
2282	494711.06	3859951.99	1.20E-04	1.48E-04	1.29E-04	4.18E-08	1.26E-07	7.30E-08	8.94E-08	8.10E-08	3.70E-08	3.24E-08	1.39E-09	3.37E-08	7.43E-09	1.21E-08	1.93E-08	3.39E-09	2.14E-09	7.94E-08
2283	494761.06	3859951.99	1.20E-04	1.47E-04	1.29E-04	4.16E-08	1.26E-07	7.27E-08	8.90E-08	8.07E-08	3.68E-08	3.23E-08	1.39E-09	3.35E-08	7.40E-09	1.21E-08	1.92E-08	3.38E-09	2.13E-09	7.91E-08
2284	494811.06	3859951.99	1.20E-04	1.46E-04	1.28E-04	4.14E-08	1.25E-07	7.24E-08	8.87E-08	8.04E-08	3.67E-08	3.21E-08	1.38E-09	3.34E-08	7.37E-09	1.20E-08	1.91E-08	3.37E-09	2.12E-09	7.88E-08
2285	494861.06	3859951.99	1.19E-04	1.46E-04	1.28E-04	4.13E-08	1.25E-07	7.21E-08	8.83E-08	8.01E-08	3.65E-08	3.20E-08	1.38E-09	3.33E-08	7.34E-09	1.20E-08	1.90E-08	3.35E-09	2.11E-09	7.85E-08
2286	494911.06	3859951.99	1.19E-04	1.45E-04	1.27E-04	4.11E-08	1.24E-07	7.18E-08	8.79E-08	7.97E-08	3.64E-08	3.19E-08	1.37E-09	3.31E-08	7.31E-09	1.19E-08	1.89E-08	3.34E-09	2.10E-09	7.81E-08
2287	494961.06	3859951.99	1.18E-04	1.44E-04	1.27E-04	4.09E-08	1.23E-07	7.14E-08	8.75E-08	7.93E-08	3.62E-08	3.17E-08	1.36E-09	3.30E-08	7.27E-09	1.19E-08	1.88E-08	3.32E-09	2.09E-09	7.77E-08
2288	495011.06	3859951.99	1.17E-04	1.44E-04	1.26E-04	4.07E-08	1.23E-07	7.11E-08	8.71E-08	7.90E-08	3.60E-08	3.16E-08	1.36E-09	3.28E-08	7.24E-09	1.18E-08	1.88E-08	3.31E-09	2.08E-09	7.74E-08
2289	495061.06	3859951.99	1.17E-04	1.43E-04	1.25E-04	4.05E-08	1.22E-07	7.08E-08	8.67E-08	7.86E-08	3.59E-08	3.14E-08	1.35E-09	3.27E-08	7.21E-09	1.18E-08	1.87E-08	3.29E-09	2.07E-09	7.71E-08
2290	495111.06	3859951.99	1.16E-04	1.43E-04	1.25E-04	4.03E-08	1.22E-07	7.05E-08	8.63E-08	7.83E-08	3.57E-08	3.13E-08	1.35E-09	3.25E-08	7.18E-09	1.17E-08	1.86E-08	3.28E-09	2.06E-09	7.67E-08
2291	495161.06	3859951.99	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.01E-08	8.59E-08	7.79E-08	3.55E-08	3.11E-08	1.34E-09	3.24E-08	7.14E-09	1.17E-08	1.85E-08	3.26E-09	2.05E-09	7.63E-08
2292	495211.06	3859951.99	1.15E-04	1.41E-04	1.24E-04	3.99E-08	1.21E-07	6.98E-08	8.55E-08	7.75E-08	3.54E-08	3.10E-08	1.33E-09	3.22E-08	7.11E-09	1.16E-08	1.84E-08	3.25E-09	2.04E-09	7.60E-08
2293	495261.06	3859951.99	1.15E-04	1.41E-04	1.23E-04	3.98E-08	1.20E-07	6.95E-08	8.51E-08	7.72E-08	3.52E-08	3.09E-08	1.33E-09	3.21E-08	7.08E-09	1.16E-08	1.83E-08	3.23E-09	2.04E-09	7.56E-08
2294	495311.06	3859951.99	1.14E-04	1.40E-04	1.23E-04	3.96E-08	1.20E-07	6.92E-08	8.48E-08	7.69E-08	3.51E-08	3.07E-08	1.32E-09	3.19E-08	7.05E-09	1.15E-08	1.83E-08	3.22E-09	2.03E-09	7.53E-08
2295	495361.06	3859951.99	1.14E-04	1.39E-04	1.22E-04	3.94E-08	1.19E-07	6.89E-08	8.44E-08	7.65E-08	3.49E-08	3.06E-08	1.32E-09	3.18E-08	7.02E-09	1.15E-08	1.82E-08	3.20E-09	2.02E-09	7.50E-08
2296	495411.06	3859951.99	1.13E-04	1.39E-04	1.22E-04	3.92E-08	1.19E-07	6.86E-08	8.40E-08	7.62E-08	3.48E-08	3.05E-08	1.31E-09	3.17E-08	6.99E-09	1.14E-08	1.81E-08	3.19E-09	2.01E-09	7.47E-08
2297	495461.06	3859951.99	1.13E-04	1.38E-04	1.21E-04	3.91E-08	1.18E-07	6.83E-08	8.36E-08	7.58E-08	3.46E-08	3.03E-08	1.30E-09	3.15E-08	6.95E-09	1.14E-08	1.80E-08	3.17E-09	2.00E-09	7.43E-08
2298	495511.06	3859951.99	1.12E-04	1.37E-04	1.20E-04	3.89E-08	1.17E-07	6.80E-08	8.32E-08	7.55E-08	3.44E-08	3.02E-08	1.30E-09	3.14E-08	6.92E-09	1.13E-08	1.79E-08	3.16E-09	1.99E-09	7.40E-08
2299	495561.06	3859951.99	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.77E-08	8.30E-08	7.52E-08	3.43E-08	3.01E-08	1.29E-09	3.13E-08	6.90E-09	1.13E-08	1.79E-08	3.15E-09	1.98E-09	7.37E-08
2300	495611.06	3859951.99	1.11E-04	1.36E-04	1.19E-04	3.86E-08	1.16E-07	6.74E-08	8.25E-08	7.48E-08	3.41E-08	2.99E-08	1.29E-09	3.11E-08	6.86E-09	1.12E-08	1.78E-08	3.13E-09	1.97E-09	7.33E-08
2301	495661.06	3859951.99	1.11E-04	1.36E-04	1.19E-04	3.84E-08	1.16E-07	6.70E-08	8.21E-08	7.44E-08	3.40E-08	2.98E-08	1.28E-09	3.09E-08	6.83E-09	1.11E-08	1.77E-08	3.12E-09	1.96E-09	7.30E-08
2302	494311.06	3860001.99	1.23E-04	1.50E-04	1.32E-04	4.25E-08	1.28E-07	7.43E-08	9.11E-08	8.25E-08	3.77E-08	3.30E-08	1.42E-09	3.43E-08	7.57E-09	1.24E-08	1.96E-08	3.46E-09	2.18E-09	8.09E-08
2303	494361.06	3860001.99	1.22E-04	1.50E-04	1.31E-04	4.23E-08	1.28E-07	7.40E-08	9.07E-08	8.22E-08	3.75E-08	3.29E-08	1.41E-09	3.42E-08	7.54E-09	1.23E-08	1.95E-08	3.44E-09	2.17E-09	8.06E-08
2304	494411.06	3860001.99	1.22E-04	1.49E-04	1.31E-04	4.21E-08	1.27E-07	7.37E-08	9.02E-08	8.18E-08	3.73E-08	3.27E-08	1.41E-09	3.40E-08	7.50E-09	1.23E-08	1.94E-08	3.42E-09	2.16E-09	8.02E-08
2305	494461.06	3860001.99	1.21E-04	1.48E-04	1.30E-04	4.20E-08	1.27E-07	7.34E-08	8.99E-08	8.15E-08	3.72E-08	3.26E-08	1.40E-09	3.39E-08	7.47E-09	1.22E-08	1.94E-08	3.41E-09	2.15E-09	7.99E-08
2306	494511.06	3860001.99	1.21E-04	1.48E-04	1.29E-04	4.18E-08	1.26E-07	7.31E-08	8.95E-08	8.11E-08	3.70E-08	3.24E-08	1.40E-09	3.37E-08	7.44E-09	1.21E-08	1.93E-08	3.40E-09	2.14E-09	7.95E-08
2307	494561.06	3860001.99	1.20E-04	1.47E-04	1.29E-04	4.17E-08	1.26E-07	7.29E-08	8.93E-08	8.09E-08	3.69E-08	3.24E-08	1.39E-09	3.36E-08	7.42E-09	1.21E-08	1.92E-08	3.39E-09	2.13E-09	7.93E-08
2308	494611.06	3860001.99	1.20E-04	1.47E-04	1.29E-04	4.15E-08	1.25E-07	7.26E-08	8.89E-08	8.06E-08	3.68E-08	3.22E-08	1.39E-09	3.35E-08	7.39E-09	1.21E-08	1.91E-08	3.37E-09	2.12E-09	7.90E-08
2309	494661.06	3860001.99	1.19E-04	1.46E-04	1.28E-04	4.13E-08	1.25E-07	7.23E-08	8.85E-08	8.02E-08	3.66E-08	3.21E-08	1.38E-09	3.33E-08	7.36E-09	1.20E-08	1.91E-08	3.36E-09	2.12E-09	7.86E-08
2310	494711.06	3860001.99	1.19E-04	1.45E-04	1.27E-04	4.11E-08	1.24E-07	7.18E-08	8.80E-08	7.98E-08	3.64E-08	3.19E-08	1.37E-09	3.31E-08	7.31E-09	1.19E-08	1.89E-08	3.34E-09	2.10E-09	7.82E-08
2311	494761.06	3860001.99	1.18E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.16E-08	8.77E-08	7.95E-08	3.63E-08	3.18E-08	1.37E-09	3.30E-08	7.29E-09	1.19E-08	1.89E-08	3.33E-09	2.10E-09	7.79E-08

2312	494811.06	3860001.99	1.18E-04	1.44E-04	1.26E-04	4.08E-08	1.23E-07	7.13E-08	8.74E-08	7.92E-08	3.61E-08	3.17E-08	1.36E-09	3.29E-08	7.26E-09	1.19E-08	1.88E-08	3.32E-09	2.09E-09	7.76E-08
2313	494861.06	3860001.99	1.17E-04	1.44E-04	1.26E-04	4.06E-08	1.23E-07	7.11E-08	8.70E-08	7.89E-08	3.60E-08	3.15E-08	1.36E-09	3.28E-08	7.24E-09	1.18E-08	1.87E-08	3.30E-09	2.08E-09	7.73E-08
2314	494911.06	3860001.99	1.17E-04	1.43E-04	1.25E-04	4.04E-08	1.22E-07	7.06E-08	8.65E-08	7.84E-08	3.58E-08	3.14E-08	1.35E-09	3.26E-08	7.19E-09	1.17E-08	1.86E-08	3.28E-09	2.07E-09	7.69E-08
2315	494961.06	3860001.99	1.16E-04	1.42E-04	1.25E-04	4.03E-08	1.22E-07	7.04E-08	8.62E-08	7.81E-08	3.56E-08	3.12E-08	1.34E-09	3.25E-08	7.16E-09	1.17E-08	1.86E-08	3.27E-09	2.06E-09	7.66E-08
2316	495011.06	3860001.99	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.00E-08	8.58E-08	7.78E-08	3.55E-08	3.11E-08	1.34E-09	3.23E-08	7.13E-09	1.16E-08	1.85E-08	3.26E-09	2.05E-09	7.62E-08
2317	495061.06	3860001.99	1.15E-04	1.41E-04	1.24E-04	3.99E-08	1.21E-07	6.98E-08	8.55E-08	7.75E-08	3.53E-08	3.10E-08	1.33E-09	3.22E-08	7.11E-09	1.16E-08	1.84E-08	3.24E-09	2.04E-09	7.59E-08
2318	495111.06	3860001.99	1.15E-04	1.40E-04	1.23E-04	3.97E-08	1.20E-07	6.95E-08	8.51E-08	7.71E-08	3.52E-08	3.08E-08	1.33E-09	3.21E-08	7.07E-09	1.16E-08	1.83E-08	3.23E-09	2.03E-09	7.56E-08
2319	495161.06	3860001.99	1.14E-04	1.40E-04	1.23E-04	3.96E-08	1.19E-07	6.91E-08	8.47E-08	7.68E-08	3.50E-08	3.07E-08	1.32E-09	3.19E-08	7.04E-09	1.15E-08	1.82E-08	3.21E-09	2.02E-09	7.52E-08
2320	495211.06	3860001.99	1.14E-04	1.39E-04	1.22E-04	3.94E-08	1.19E-07	6.89E-08	8.44E-08	7.65E-08	3.49E-08	3.06E-08	1.32E-09	3.18E-08	7.01E-09	1.15E-08	1.82E-08	3.20E-09	2.02E-09	7.50E-08
2321	495261.06	3860001.99	1.13E-04	1.39E-04	1.22E-04	3.92E-08	1.18E-07	6.86E-08	8.40E-08	7.61E-08	3.47E-08	3.04E-08	1.31E-09	3.16E-08	6.98E-09	1.14E-08	1.81E-08	3.19E-09	2.01E-09	7.46E-08
2322	495311.06	3860001.99	1.13E-04	1.38E-04	1.21E-04	3.91E-08	1.18E-07	6.83E-08	8.36E-08	7.58E-08	3.46E-08	3.03E-08	1.30E-09	3.15E-08	6.95E-09	1.14E-08	1.80E-08	3.18E-09	2.00E-09	7.43E-08
2323	495361.06	3860001.99	1.12E-04	1.37E-04	1.20E-04	3.89E-08	1.17E-07	6.79E-08	8.32E-08	7.54E-08	3.44E-08	3.02E-08	1.30E-09	3.14E-08	6.92E-09	1.13E-08	1.79E-08	3.16E-09	1.99E-09	7.39E-08
2324	495411.06	3860001.99	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.77E-08	8.29E-08	7.52E-08	3.43E-08	3.01E-08	1.29E-09	3.12E-08	6.89E-09	1.13E-08	1.79E-08	3.15E-09	1.98E-09	7.37E-08
2325	495461.06	3860001.99	1.11E-04	1.36E-04	1.19E-04	3.86E-08	1.16E-07	6.74E-08	8.26E-08	7.48E-08	3.41E-08	2.99E-08	1.29E-09	3.11E-08	6.86E-09	1.12E-08	1.78E-08	3.13E-09	1.97E-09	7.34E-08
2326	495511.06	3860001.99	1.11E-04	1.36E-04	1.19E-04	3.84E-08	1.16E-07	6.71E-08	8.22E-08	7.45E-08	3.40E-08	2.98E-08	1.28E-09	3.10E-08	6.83E-09	1.12E-08	1.77E-08	3.12E-09	1.97E-09	7.30E-08
2327	495561.06	3860001.99	1.10E-04	1.35E-04	1.18E-04	3.83E-08	1.16E-07	6.69E-08	8.19E-08	7.42E-08	3.39E-08	2.97E-08	1.28E-09	3.09E-08	6.81E-09	1.11E-08	1.76E-08	3.11E-09	1.96E-09	7.28E-08
2328	495611.06	3860001.99	1.10E-04	1.35E-04	1.18E-04	3.81E-08	1.15E-07	6.65E-08	8.15E-08	7.39E-08	3.37E-08	2.95E-08	1.27E-09	3.07E-08	6.78E-09	1.11E-08	1.76E-08	3.09E-09	1.95E-09	7.24E-08
2329	495661.06	3860001.99	1.09E-04	1.34E-04	1.17E-04	3.79E-08	1.14E-07	6.62E-08	8.11E-08	7.35E-08	3.36E-08	2.94E-08	1.27E-09	3.06E-08	6.74E-09	1.10E-08	1.75E-08	3.08E-09	1.94E-09	7.21E-08
2330	494411.06	3860051.99	1.20E-04	1.47E-04	1.28E-04	4.15E-08	1.25E-07	7.25E-08	8.88E-08	8.05E-08	3.67E-08	3.22E-08	1.38E-09	3.35E-08	7.38E-09	1.21E-08	1.91E-08	3.37E-09	2.12E-09	7.89E-08
2331	494461.06	3860051.99	1.19E-04	1.46E-04	1.28E-04	4.13E-08	1.25E-07	7.22E-08	8.84E-08	8.01E-08	3.66E-08	3.21E-08	1.38E-09	3.33E-08	7.35E-09	1.20E-08	1.90E-08	3.36E-09	2.11E-09	7.86E-08
2332	494511.06	3860051.99	1.19E-04	1.45E-04	1.27E-04	4.11E-08	1.24E-07	7.19E-08	8.81E-08	7.98E-08	3.64E-08	3.19E-08	1.37E-09	3.32E-08	7.32E-09	1.20E-08	1.90E-08	3.34E-09	2.11E-09	7.82E-08
2333	494561.06	3860051.99	1.18E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.17E-08	8.78E-08	7.96E-08	3.63E-08	3.18E-08	1.37E-09	3.31E-08	7.30E-09	1.19E-08	1.89E-08	3.33E-09	2.10E-09	7.80E-08
2334	494611.06	3860051.99	1.18E-04	1.44E-04	1.26E-04	4.08E-08	1.23E-07	7.14E-08	8.74E-08	7.92E-08	3.62E-08	3.17E-08	1.36E-09	3.29E-08	7.27E-09	1.19E-08	1.88E-08	3.32E-09	2.09E-09	7.77E-08
2335	494661.06	3860051.99	1.17E-04	1.44E-04	1.26E-04	4.07E-08	1.23E-07	7.11E-08	8.71E-08	7.89E-08	3.60E-08	3.16E-08	1.36E-09	3.28E-08	7.24E-09	1.18E-08	1.88E-08	3.31E-09	2.08E-09	7.74E-08
2336	494711.06	3860051.99	1.17E-04	1.43E-04	1.25E-04	4.05E-08	1.22E-07	7.08E-08	8.67E-08	7.86E-08	3.59E-08	3.14E-08	1.35E-09	3.27E-08	7.21E-09	1.18E-08	1.87E-08	3.29E-09	2.07E-09	7.70E-08
2337	494761.06	3860051.99	1.16E-04	1.43E-04	1.25E-04	4.03E-08	1.22E-07	7.05E-08	8.63E-08	7.83E-08	3.57E-08	3.13E-08	1.35E-09	3.25E-08	7.18E-09	1.17E-08	1.86E-08	3.28E-09	2.06E-09	7.67E-08
2338	494811.06	3860051.99	1.16E-04	1.42E-04	1.24E-04	4.02E-08	1.21E-07	7.02E-08	8.60E-08	7.80E-08	3.56E-08	3.12E-08	1.34E-09	3.24E-08	7.15E-09	1.17E-08	1.85E-08	3.27E-09	2.06E-09	7.64E-08
2339	494861.06	3860051.99	1.16E-04	1.41E-04	1.24E-04	4.00E-08	1.21E-07	7.00E-08	8.57E-08	7.77E-08	3.54E-08	3.11E-08	1.34E-09	3.23E-08	7.12E-09	1.16E-08	1.85E-08	3.25E-09	2.05E-09	7.61E-08
2340	494911.06	3860051.99	1.15E-04	1.41E-04	1.23E-04	3.99E-08	1.20E-07	6.97E-08	8.53E-08	7.73E-08	3.53E-08	3.09E-08	1.33E-09	3.21E-08	7.09E-09	1.16E-08	1.84E-08	3.24E-09	2.04E-09	7.58E-08
2341	494961.06	3860051.99	1.14E-04	1.40E-04	1.23E-04	3.97E-08	1.20E-07	6.94E-08	8.49E-08	7.70E-08	3.51E-08	3.08E-08	1.32E-09	3.20E-08	7.06E-09	1.15E-08	1.83E-08	3.22E-09	2.03E-09	7.55E-08
2342	495011.06	3860051.99	1.14E-04	1.40E-04	1.22E-04	3.95E-08	1.19E-07	6.90E-08	8.46E-08	7.67E-08	3.50E-08	3.07E-08	1.32E-09	3.19E-08	7.03E-09	1.15E-08	1.82E-08	3.21E-09	2.02E-09	7.51E-08
2343	495061.06	3860051.99	1.13E-04	1.39E-04	1.22E-04	3.93E-08	1.19E-07	6.87E-08	8.42E-08	7.63E-08	3.48E-08	3.05E-08	1.31E-09	3.17E-08	7.00E-09	1.14E-08	1.81E-08	3.20E-09	2.01E-09	7.48E-08
2344	495111.06	3860051.99	1.13E-04	1.38E-04	1.21E-04	3.92E-08	1.18E-07	6.84E-08	8.38E-08	7.60E-08	3.47E-08	3.04E-08	1.31E-09	3.16E-08	6.97E-09	1.14E-08	1.81E-08	3.18E-09	2.00E-09	7.45E-08
2345	495161.06	3860051.99	1.13E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.81E-08	8.35E-08	7.57E-08	3.45E-08	3.03E-08	1.30E-09	3.14E-08	6.94E-09	1.13E-08	1.80E-08	3.17E-09	2.00E-09	7.42E-08
2346	495211.06	3860051.99	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.78E-08	8.31E-08	7.53E-08	3.44E-08	3.01E-08	1.30E-09	3.13E-08	6.91E-09	1.13E-08	1.79E-08	3.15E-09	1.99E-09	7.38E-08
2347	495261.06	3860051.99	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.76E-08	8.27E-08	7.50E-08	3.42E-08	3.00E-08	1.29E-09	3.12E-08	6.88E-09	1.12E-08	1.78E-08	3.14E-09	1.98E-09	7.35E-08
2348	495311.06	3860051.99	1.11E-04	1.36E-04	1.19E-04	3.85E-08	1.16E-07	6.73E-08	8.24E-08	7.47E-08	3.41E-08	2.99E-08	1.29E-09	3.11E-08	6.85E-09	1.12E-08	1.78E-08	3.13E-09	1.97E-09	7.32E-08
2349	495361.06	3860051.99	1.11E-04	1.36E-04	1.19E-04	3.84E-08	1.16E-07	6.70E-08	8.21E-08	7.44E-08	3.40E-08	2.98E-08	1.28E-09	3.09E-08	6.83E-09	1.11E-08	1.77E-08	3.12E-09	1.96E-09	7.30E-08
2350	495411.06	3860051.99	1.10E-04	1.35E-04	1.18E-04	3.82E-08	1.15E-07	6.68E-08	8.18E-08	7.41E-08	3.38E-08	2.96E-08	1.28E-09	3.08E-08	6.80E-09	1.11E-08	1.76E-08	3.10E-09	1.96E-09	7.27E-08
2351	495461.06	3860051.99	1.10E-04	1.34E-04	1.18E-04	3.80E-08	1.15E-07	6.65E-08	8.14E-08	7.38E-08	3.37E-08	2.95E-08	1.27E-09	3.07E-08	6.77E-09	1.11E-08	1.75E-08	3.09E-09	1.95E-09	7.23E-08
2352	495511.06	3860051.99	1.09E-04	1.34E-04	1.17E-04	3.79E-08	1.14E-07	6.62E-08	8.11E-08	7.35E-08	3.35E-08	2.94E-08	1.26E-09	3.06E-08	6.74E-09	1.10E-08	1.75E-08	3.08E-09	1.94E-09	7.21E-08
2353	495561.06	3860051.99	1.09E-04	1.33E-04	1.17E-04	3.77E-08	1.14E-07	6.59E-08	8.08E-08	7.32E-08	3.34E-08	2.93E-08	1.26E-09	3.04E-08	6.71E-09	1.10E-08	1.74E-08	3.07E-09	1.93E-09	7.18E-08
2354	495611.06	3860051.99	1.08E-04	1.33E-04	1.16E-04	3.76E-08	1.13E-07	6.57E-08	8.04E-08	7.29E-08	3.33E-08	2.92E-08	1.25E-09	3.03E-08	6.69E-09	1.09E-08	1.73E-08	3.05E-09	1.92E-09	7.15E-08
2355	495661.06	3860051.99	1.08E-04	1.32E-04	1.16E-04	3.74E-08	1.13E-07	6.54E-08	8.01E-08	7.26E-08	3.31E-08	2.90E-08	1.25E-09	3.02E-08	6.66E-09	1.09E-08	1.72E-08	3.04E-09	1.91E-09	7.11E-08
2356	494411.06	3860101.99	1.18E-04	1.44E-04	1.26E-04	4.08E-08	1.23E-07	7.12E-08	8.72E-08	7.91E-08	3.61E-08	3.16E-08	1.36E-09	3.29E-08	7.25E-09	1.18E-08	1.88E-08	3.31E-09	2.09E-09	7.75E-08
2357	494461.06	3860101.99	1.17E-04	1.44E-04	1.26E-04	4.06E-08	1.23E-07	7.10E-08	8.69E-08	7.88E-08	3.60E-08	3.15E-08	1.36E-09	3.28E-08	7.23E-09	1.18E-08	1.87E-08	3.30E-09	2.08E-09	7.73E-08
2358	494511.06	3860101.99	1.17E-04	1.43E-04	1.25E-04	4.04E-08	1.22E-07	7.07E-08	8.66E-08	7.85E-08	3.58E-08	3.14E-08	1.35E-09	3.26E-08	7.20E-09	1.18E-08	1.86E-08	3.29E-09	2.07E-09	7.69E-08
2359	494561.06	3860101.99	1.16E-04	1.42E-04	1.25E-04	4.03E-08	1.22E-07	7.04E-08	8.63E-08	7.82E-08	3.57E-08	3.13E-08	1.35E-09	3.25E-08	7.17E-09	1.17E-08	1.86E-08	3.27E-09	2.06E-09	7.66E-08
2360	494611.06	3860101.99	1.16E-04	1.42E-04	1.24E-04	4.02E-08	1.21E-07	7.02E-08	8.60E-08	7.79E-08	3.56E-08	3.12E-08	1.34E-09	3.24E-08	7.15E-09	1.17E-08	1.85E-08	3.26E-09	2.06E-09	7.64E-08
2361	494661.06	3860101.99	1.15E-04	1.41E-04	1.24E-04	4.00E-08	1.21E-07	6.99E-08	8.56E-08	7.76E-08	3.54E-08	3.10E-08	1.34E-09	3.23E-08	7.12E-09	1.16E-08	1.84E-08	3.25E-09	2.05E-09	7.61E-08
2362	494711.06	3860101.99	1.15E-04	1.41E-04	1.23E-04	3.98E-08	1.20E-07	6.96E-08	8.53E-08	7.73E-08	3.53E-08	3.09E-08	1.33E-09	3.21E-08	7.09E-09	1.16E-08	1.84E-08	3.24E-09	2.04E-09	7.58E-08
2363	494761.06	3860101.99	1.14E-04	1.40E-04	1.23E-04	3.97E-08	1.20E-07	6.94E-08	8.49E-08	7.70E-08	3.51E-08	3.08E-08	1.32E-09	3.20E-08	7.06E-09	1.15E-08	1.83E-08	3.22E-09	2.03E-09	7.55E-08
2364	494811.06	3860101.99	1.14E-04	1.40E-04	1.22E-04	3.95E-08	1.19E-07	6.91E-08	8.46E-08	7.67E-08	3.50E-08	3.07E-08	1.32E-09	3.19E-08	7.04E-09	1.15E-08	1.82E-08	3.21E-09	2.02E-09	7.52E-08
2365	494861.06	3860101.99	1.14E-04	1.39E-04	1.22E-04	3.94E-08	1.19E-07	6.88E-08	8.43E-08	7.64E-08	3.49E-08	3.05E-08	1.31E-09	3.17E-08	7.01E-09	1.14E-08	1.81E-08	3.20E-09	2.01E-09	7.49E-08
2366	494911.06	3860101.99	1.13E-04	1.39E-04	1.21E-04	3.92E-08	1.18E-07	6.85E-08	8.39E-08	7.61E-08	3.47E-08	3.04E-08	1.31E-09	3.16E-08	6.98E-09	1.14E-08	1.81E-08	3.19E-09	2.01E-09	7.46E-08
2367	494961.06	3860101.99	1.13E-04	1.38E-04	1.21E-04	3.91E-08	1.18E-07	6.83E-08	8.36E-08	7.58E-08	3.46E-08	3.03E-08	1.30E-09	3.15E-08	6.95E-09	1.14E-08	1.80E-08	3.17E-09	2.00E-09	7.43E-08
2368	495011.06	3860101.99	1.12E-04	1.37E-04	1.20E-04	3.89E-08	1.17E-07	6.80E-08	8.33E-08	7.55E-08	3.44E-08	3.02E-08	1.30E-09	3.14E-08	6.92E-09	1.13E-08	1.79E-08	3.16E-09	1.99E-09	7.40E-08
2369	495061.06	3860101.99	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.77E-08	8.29E-08	7.52E-08	3.43E-08	3.01E-08	1.29E-09	3.12E-08	6.89E-09	1.13E-08	1.79E-08	3.15E-09	1.98E-09	7.37E-08
2370	495111.06	3860101.99	1.11E-04	1.36E-04	1.19E-04	3.86E-08	1.16E-07	6.74E-08	8.25E-08	7.48E-08	3.41E-08	2.99E-08	1.29E-09	3.11E-08	6.86E-09	1.12E-08	1.78E-08	3.13E-09	1.97E-09	7.33E-08
2371	495161.06	3860101.99	1.11E-04	1.36E-04	1.19E-04	3.84E-08	1.16E-07	6.71E-08	8.22E-08	7.45E-08	3.40E-08	2.98E-08	1.28E-09	3.10E-08	6.84E-09	1.12E-08	1.77E-08	3.12E-09	1.97E-09	7.31E-08
2372	495211.06	3860101.99	1.10E-04	1.35E-04	1.18E-04	3.82E-08	1.15E-07	6.69E-08	8.19E-08	7.42E-08	3.39E-08	2.97E-08	1.28E-09	3.09E-08	6.81E-09	1.11E-08	1.76E-08	3.11E-09	1.96E-09	7.28E-08

2373	495261.06	3860101.99	1.10E-04	1.35E-04	1.18E-04	3.81E-08	1.15E-07	6.66E-08	8.15E-08	7.39E-08	3.37E-08	2.96E-08	1.27E-09	3.07E-08	6.78E-09	1.11E-08	1.76E-08	3.10E-09	1.95E-09	7.25E-08
2374	495311.06	3860101.99	1.09E-04	1.34E-04	1.18E-04	3.79E-08	1.15E-07	6.63E-08	8.12E-08	7.36E-08	3.36E-08	2.94E-08	1.27E-09	3.06E-08	6.75E-09	1.10E-08	1.75E-08	3.08E-09	1.94E-09	7.22E-08
2375	495361.06	3860101.99	1.09E-04	1.34E-04	1.17E-04	3.78E-08	1.14E-07	6.61E-08	8.09E-08	7.34E-08	3.35E-08	2.93E-08	1.26E-09	3.05E-08	6.73E-09	1.10E-08	1.74E-08	3.07E-09	1.93E-09	7.19E-08
2376	495411.06	3860101.99	1.09E-04	1.33E-04	1.17E-04	3.76E-08	1.14E-07	6.58E-08	8.06E-08	7.30E-08	3.33E-08	2.92E-08	1.26E-09	3.04E-08	6.70E-09	1.09E-08	1.74E-08	3.06E-09	1.93E-09	7.16E-08
2377	495461.06	3860101.99	1.08E-04	1.32E-04	1.16E-04	3.75E-08	1.13E-07	6.55E-08	8.02E-08	7.27E-08	3.32E-08	2.91E-08	1.25E-09	3.02E-08	6.67E-09	1.09E-08	1.73E-08	3.04E-09	1.92E-09	7.13E-08
2378	495511.06	3860101.99	1.08E-04	1.32E-04	1.16E-04	3.73E-08	1.13E-07	6.52E-08	7.99E-08	7.24E-08	3.31E-08	2.90E-08	1.25E-09	3.01E-08	6.64E-09	1.08E-08	1.72E-08	3.03E-09	1.91E-09	7.10E-08
2379	495561.06	3860101.99	1.07E-04	1.31E-04	1.15E-04	3.72E-08	1.12E-07	6.50E-08	7.96E-08	7.22E-08	3.29E-08	2.89E-08	1.24E-09	3.00E-08	6.62E-09	1.08E-08	1.71E-08	3.02E-09	1.90E-09	7.07E-08
2380	495611.06	3860101.99	1.07E-04	1.31E-04	1.15E-04	3.70E-08	1.12E-07	6.47E-08	7.93E-08	7.19E-08	3.28E-08	2.87E-08	1.24E-09	2.99E-08	6.59E-09	1.08E-08	1.71E-08	3.01E-09	1.90E-09	7.04E-08
2381	495661.06	3860101.99	1.06E-04	1.30E-04	1.14E-04	3.69E-08	1.11E-07	6.45E-08	7.89E-08	7.16E-08	3.27E-08	2.86E-08	1.23E-09	2.97E-08	6.56E-09	1.07E-08	1.70E-08	3.00E-09	1.89E-09	7.01E-08
2382	494861.06	3860151.99	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.76E-08	8.28E-08	7.51E-08	3.43E-08	3.00E-08	1.29E-09	3.12E-08	6.89E-09	1.12E-08	1.78E-08	3.14E-09	1.98E-09	7.36E-08
2383	494911.06	3860151.99	1.11E-04	1.36E-04	1.19E-04	3.86E-08	1.16E-07	6.74E-08	8.26E-08	7.48E-08	3.41E-08	2.99E-08	1.29E-09	3.11E-08	6.86E-09	1.12E-08	1.78E-08	3.13E-09	1.97E-09	7.34E-08
2384	494961.06	3860151.99	1.11E-04	1.36E-04	1.19E-04	3.84E-08	1.16E-07	6.72E-08	8.22E-08	7.46E-08	3.40E-08	2.98E-08	1.28E-09	3.10E-08	6.84E-09	1.12E-08	1.77E-08	3.12E-09	1.97E-09	7.31E-08
2385	495011.06	3860151.99	1.10E-04	1.35E-04	1.19E-04	3.83E-08	1.16E-07	6.69E-08	8.19E-08	7.43E-08	3.39E-08	2.97E-08	1.28E-09	3.09E-08	6.81E-09	1.11E-08	1.76E-08	3.11E-09	1.96E-09	7.28E-08
2386	495061.06	3860151.99	1.10E-04	1.35E-04	1.18E-04	3.81E-08	1.15E-07	6.66E-08	8.16E-08	7.40E-08	3.38E-08	2.96E-08	1.27E-09	3.07E-08	6.78E-09	1.11E-08	1.76E-08	3.10E-09	1.95E-09	7.25E-08
2387	495111.06	3860151.99	1.10E-04	1.34E-04	1.18E-04	3.80E-08	1.15E-07	6.64E-08	8.13E-08	7.37E-08	3.36E-08	2.95E-08	1.27E-09	3.06E-08	6.76E-09	1.10E-08	1.75E-08	3.09E-09	1.94E-09	7.22E-08
2388	495161.06	3860151.99	1.09E-04	1.34E-04	1.17E-04	3.78E-08	1.14E-07	6.61E-08	8.10E-08	7.34E-08	3.35E-08	2.94E-08	1.26E-09	3.05E-08	6.73E-09	1.10E-08	1.74E-08	3.07E-09	1.94E-09	7.19E-08
2389	495211.06	3860151.99	1.09E-04	1.33E-04	1.17E-04	3.77E-08	1.14E-07	6.58E-08	8.06E-08	7.31E-08	3.34E-08	2.92E-08	1.26E-09	3.04E-08	6.70E-09	1.09E-08	1.74E-08	3.06E-09	1.93E-09	7.17E-08
2390	495261.06	3860151.99	1.08E-04	1.33E-04	1.16E-04	3.75E-08	1.13E-07	6.56E-08	8.03E-08	7.28E-08	3.32E-08	2.91E-08	1.25E-09	3.03E-08	6.68E-09	1.09E-08	1.73E-08	3.05E-09	1.92E-09	7.14E-08
2391	495311.06	3860151.99	1.08E-04	1.32E-04	1.16E-04	3.74E-08	1.13E-07	6.53E-08	8.00E-08	7.25E-08	3.31E-08	2.90E-08	1.25E-09	3.01E-08	6.65E-09	1.09E-08	1.72E-08	3.04E-09	1.91E-09	7.11E-08
2392	495361.06	3860151.99	1.07E-04	1.32E-04	1.15E-04	3.72E-08	1.12E-07	6.51E-08	7.97E-08	7.23E-08	3.30E-08	2.89E-08	1.24E-09	3.00E-08	6.63E-09	1.08E-08	1.72E-08	3.03E-09	1.91E-09	7.08E-08
2393	495411.06	3860151.99	1.07E-04	1.31E-04	1.15E-04	3.71E-08	1.12E-07	6.48E-08	7.94E-08	7.20E-08	3.28E-08	2.88E-08	1.24E-09	2.99E-08	6.60E-09	1.08E-08	1.71E-08	3.01E-09	1.90E-09	7.05E-08
2394	495461.06	3860151.99	1.07E-04	1.31E-04	1.14E-04	3.69E-08	1.12E-07	6.46E-08	7.91E-08	7.17E-08	3.27E-08	2.87E-08	1.23E-09	2.98E-08	6.57E-09	1.07E-08	1.70E-08	3.00E-09	1.89E-09	7.03E-08
2395	495511.06	3860151.99	1.06E-04	1.30E-04	1.14E-04	3.68E-08	1.11E-07	6.43E-08	7.88E-08	7.14E-08	3.26E-08	2.86E-08	1.23E-09	2.97E-08	6.55E-09	1.07E-08	1.70E-08	2.99E-09	1.88E-09	7.00E-08
2396	495561.06	3860151.99	1.06E-04	1.30E-04	1.14E-04	3.66E-08	1.11E-07	6.41E-08	7.85E-08	7.11E-08	3.25E-08	2.84E-08	1.22E-09	2.96E-08	6.52E-09	1.07E-08	1.69E-08	2.98E-09	1.88E-09	6.97E-08
2397	495611.06	3860151.99	1.05E-04	1.29E-04	1.13E-04	3.65E-08	1.10E-07	6.38E-08	7.81E-08	7.08E-08	3.23E-08	2.83E-08	1.22E-09	2.94E-08	6.50E-09	1.06E-08	1.68E-08	2.97E-09	1.87E-09	6.94E-08
2398	495661.06	3860151.99	1.05E-04	1.28E-04	1.13E-04	3.63E-08	1.10E-07	6.35E-08	7.78E-08	7.05E-08	3.22E-08	2.82E-08	1.21E-09	2.93E-08	6.47E-09	1.06E-08	1.68E-08	2.95E-09	1.86E-09	6.91E-08
2399	495718.25	3859442.96	1.16E-04	1.42E-04	1.25E-04	4.02E-08	1.21E-07	7.03E-08	8.61E-08	7.81E-08	3.56E-08	3.12E-08	1.34E-09	3.25E-08	7.16E-09	1.17E-08	1.86E-08	3.27E-09	2.06E-09	7.65E-08
2400	495818.25	3859442.96	1.14E-04	1.40E-04	1.23E-04	3.96E-08	1.19E-07	6.92E-08	8.47E-08	7.68E-08	3.50E-08	3.07E-08	1.32E-09	3.19E-08	7.04E-09	1.15E-08	1.82E-08	3.22E-09	2.03E-09	7.53E-08
2401	495918.25	3859442.96	1.13E-04	1.38E-04	1.21E-04	3.91E-08	1.18E-07	6.83E-08	8.37E-08	7.59E-08	3.46E-08	3.03E-08	1.31E-09	3.15E-08	6.96E-09	1.14E-08	1.80E-08	3.18E-09	2.00E-09	7.44E-08
2402	496018.25	3859442.96	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.76E-08	8.28E-08	7.51E-08	3.42E-08	3.00E-08	1.29E-09	3.12E-08	6.88E-09	1.12E-08	1.78E-08	3.14E-09	1.98E-09	7.36E-08
2403	496118.25	3859442.96	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.78E-08	8.31E-08	7.53E-08	3.44E-08	3.01E-08	1.30E-09	3.13E-08	6.91E-09	1.13E-08	1.79E-08	3.15E-09	1.99E-09	7.38E-08
2404	496218.25	3859442.96	1.12E-04	1.37E-04	1.20E-04	3.89E-08	1.17E-07	6.79E-08	8.32E-08	7.54E-08	3.44E-08	3.01E-08	1.30E-09	3.13E-08	6.92E-09	1.13E-08	1.79E-08	3.16E-09	1.99E-09	7.39E-08
2405	496318.25	3859442.96	1.11E-04	1.36E-04	1.19E-04	3.85E-08	1.16E-07	6.73E-08	8.24E-08	7.47E-08	3.41E-08	2.99E-08	1.29E-09	3.11E-08	6.85E-09	1.12E-08	1.78E-08	3.13E-09	1.97E-09	7.32E-08
2406	496418.25	3859442.96	1.10E-04	1.35E-04	1.18E-04	3.81E-08	1.15E-07	6.66E-08	8.16E-08	7.40E-08	3.37E-08	2.96E-08	1.27E-09	3.07E-08	6.78E-09	1.11E-08	1.76E-08	3.10E-09	1.95E-09	7.25E-08
2407	495718.25	3859542.96	1.16E-04	1.42E-04	1.25E-04	4.03E-08	1.22E-07	7.04E-08	8.62E-08	7.82E-08	3.57E-08	3.13E-08	1.35E-09	3.25E-08	7.17E-09	1.17E-08	1.86E-08	3.27E-09	2.06E-09	7.66E-08
2408	495818.25	3859542.96	1.15E-04	1.41E-04	1.23E-04	3.98E-08	1.20E-07	6.96E-08	8.52E-08	7.73E-08	3.53E-08	3.09E-08	1.33E-09	3.21E-08	7.09E-09	1.16E-08	1.84E-08	3.24E-09	2.04E-09	7.57E-08
2409	495918.25	3859542.96	1.13E-04	1.39E-04	1.22E-04	3.93E-08	1.19E-07	6.86E-08	8.40E-08	7.62E-08	3.48E-08	3.05E-08	1.31E-09	3.17E-08	6.99E-09	1.14E-08	1.81E-08	3.19E-09	2.01E-09	7.47E-08
2410	496018.25	3859542.96	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.78E-08	8.30E-08	7.52E-08	3.43E-08	3.01E-08	1.29E-09	3.13E-08	6.90E-09	1.13E-08	1.79E-08	3.15E-09	1.98E-09	7.37E-08
2411	496118.25	3859542.96	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.79E-08	8.31E-08	7.54E-08	3.44E-08	3.01E-08	1.30E-09	3.13E-08	6.91E-09	1.13E-08	1.79E-08	3.16E-09	1.99E-09	7.39E-08
2412	496218.25	3859542.96	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.77E-08	8.29E-08	7.52E-08	3.43E-08	3.01E-08	1.29E-09	3.12E-08	6.90E-09	1.13E-08	1.79E-08	3.15E-09	1.98E-09	7.37E-08
2413	496318.25	3859542.96	1.11E-04	1.36E-04	1.19E-04	3.86E-08	1.16E-07	6.74E-08	8.25E-08	7.48E-08	3.41E-08	2.99E-08	1.29E-09	3.11E-08	6.86E-09	1.12E-08	1.78E-08	3.13E-09	1.97E-09	7.33E-08
2414	496418.25	3859542.96	1.10E-04	1.35E-04	1.18E-04	3.81E-08	1.15E-07	6.65E-08	8.15E-08	7.39E-08	3.37E-08	2.95E-08	1.27E-09	3.07E-08	6.78E-09	1.11E-08	1.76E-08	3.09E-09	1.95E-09	7.24E-08
2415	495718.25	3859642.96	1.15E-04	1.41E-04	1.24E-04	4.00E-08	1.21E-07	6.99E-08	8.56E-08	7.76E-08	3.54E-08	3.10E-08	1.34E-09	3.23E-08	7.12E-09	1.16E-08	1.84E-08	3.25E-09	2.05E-09	7.61E-08
2416	495818.25	3859642.96	1.14E-04	1.40E-04	1.22E-04	3.95E-08	1.19E-07	6.90E-08	8.45E-08	7.66E-08	3.50E-08	3.06E-08	1.32E-09	3.19E-08	7.03E-09	1.15E-08	1.82E-08	3.21E-09	2.02E-09	7.51E-08
2417	495918.25	3859642.96	1.13E-04	1.38E-04	1.21E-04	3.91E-08	1.18E-07	6.84E-08	8.38E-08	7.59E-08	3.47E-08	3.04E-08	1.31E-09	3.16E-08	6.97E-09	1.14E-08	1.80E-08	3.18E-09	2.00E-09	7.44E-08
2418	496018.25	3859642.96	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.76E-08	8.28E-08	7.51E-08	3.43E-08	3.00E-08	1.29E-09	3.12E-08	6.88E-09	1.12E-08	1.78E-08	3.14E-09	1.98E-09	7.36E-08
2419	496118.25	3859642.96	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.77E-08	8.30E-08	7.52E-08	3.43E-08	3.01E-08	1.29E-09	3.13E-08	6.90E-09	1.13E-08	1.79E-08	3.15E-09	1.98E-09	7.37E-08
2420	496218.25	3859642.96	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.76E-08	8.28E-08	7.51E-08	3.42E-08	3.00E-08	1.29E-09	3.12E-08	6.88E-09	1.12E-08	1.78E-08	3.14E-09	1.98E-09	7.36E-08
2421	496318.25	3859642.96	1.10E-04	1.35E-04	1.19E-04	3.83E-08	1.16E-07	6.69E-08	8.20E-08	7.43E-08	3.39E-08	2.97E-08	1.28E-09	3.09E-08	6.82E-09	1.11E-08	1.77E-08	3.11E-09	1.96E-09	7.28E-08
2422	496418.25	3859642.96	1.07E-04	1.31E-04	1.15E-04	3.72E-08	1.12E-07	6.50E-08	7.96E-08	7.21E-08	3.29E-08	2.88E-08	1.24E-09	3.00E-08	6.62E-09	1.08E-08	1.71E-08	3.02E-09	1.90E-09	7.07E-08
2423	495718.25	3859742.96	1.15E-04	1.40E-04	1.23E-04	3.97E-08	1.20E-07	6.94E-08	8.50E-08	7.70E-08	3.51E-08	3.08E-08	1.33E-09	3.20E-08	7.06E-09	1.15E-08	1.83E-08	3.22E-09	2.03E-09	7.55E-08
2424	495818.25	3859742.96	1.13E-04	1.38E-04	1.21E-04	3.92E-08	1.18E-07	6.85E-08	8.39E-08	7.60E-08	3.47E-08	3.04E-08	1.31E-09	3.16E-08	6.97E-09	1.14E-08	1.81E-08	3.18E-09	2.01E-09	7.45E-08
2425	495918.25	3859742.96	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.78E-08	8.30E-08	7.52E-08	3.43E-08	3.01E-08	1.29E-09	3.13E-08	6.90E-09	1.13E-08	1.79E-08	3.15E-09	1.98E-09	7.37E-08
2426	496018.25	3859742.96	1.11E-04	1.35E-04	1.19E-04	3.83E-08	1.16E-07	6.70E-08	8.21E-08	7.44E-08	3.39E-08	2.97E-08	1.28E-09	3.09E-08	6.82E-09	1.11E-08	1.77E-08	3.11E-09	1.96E-09	7.29E-08
2427	496118.25	3859742.96	1.10E-04	1.35E-04	1.19E-04	3.83E-08	1.16E-07	6.69E-08	8.20E-08	7.43E-08	3.39E-08	2.97E-08	1.28E-09	3.09E-08	6.81E-09	1.11E-08	1.77E-08	3.11E-09	1.96E-09	7.28E-08
2428	496218.25	3859742.96	1.11E-04	1.35E-04	1.19E-04	3.83E-08	1.16E-07	6.69E-08	8.20E-08	7.43E-08	3.39E-08	2.97E-08	1.28E-09	3.09E-08	6.82E-09	1.11E-08	1.77E-08	3.11E-09	1.96E-09	7.28E-08
2429	496318.25	3859742.96	1.08E-04	1.32E-04	1.16E-04	3.75E-08	1.13E-07	6.55E-08	8.02E-08	7.27E-08	3.32E-08	2.91E-08	1.25E-09	3.02E-08	6.67E-09	1.09E-08	1.73E-08	3.05E-09	1.92E-09	7.13E-08
2430	496418.25	3859742.96	1.06E-04	1.30E-04	1.14E-04	3.67E-08	1.11E-07	6.41E-08	7.85E-08	7.12E-08	3.25E-08	2.85E-08	1.22E-09	2.96E-08	6.53E-09	1.07E-08	1.69E-08	2.98E-09	1.88E-09	6.98E-08
2431	495718.25	3859842.96	1.13E-04	1.38E-04	1.21E-04	3.91E-08	1.18E-07	6.83E-08	8.36E-08	7.58E-08	3.46E-08	3.03E-08	1.30E-09	3.15E-08	6.95E-09	1.14E-08	1.80E-08	3.17E-09	2.00E-09	7.43E-08
2432	495818.25	3859842.96	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.76E-08	8.28E-08	7.51E-08	3.42E-08	3.00E-08	1.29E-09	3.12E-08	6.88E-09	1.12E-08	1.78E-08	3.14E-09	1.98E-09	7.36E-08
2433	495918.25	3859842.96	1.10E-04	1.35E-04	1.19E-04	3.83E-08	1.16E-07	6.69E-08	8.20E-08	7.43E-08	3.39E-08	2.97E-08	1.28E-09	3.09E-08	6.81E-09	1.11E-08	1.77E-08	3.11E-09	1.96E-09	7.28E-08

2434	496018.25	3859842.96	1.10E-04	1.34E-04	1.18E-04	3.80E-08	1.15E-07	6.64E-08	8.14E-08	7.37E-08	3.36E-08	2.95E-08	1.27E-09	3.07E-08	6.76E-09	1.10E-08	1.75E-08	3.09E-09	1.95E-09	7.23E-08
2435	496118.25	3859842.96	1.10E-04	1.34E-04	1.18E-04	3.80E-08	1.15E-07	6.64E-08	8.13E-08	7.37E-08	3.36E-08	2.95E-08	1.27E-09	3.06E-08	6.76E-09	1.10E-08	1.75E-08	3.09E-09	1.94E-09	7.22E-08
2436	496218.25	3859842.96	1.08E-04	1.32E-04	1.16E-04	3.73E-08	1.13E-07	6.52E-08	7.99E-08	7.24E-08	3.31E-08	2.90E-08	1.25E-09	3.01E-08	6.64E-09	1.08E-08	1.72E-08	3.03E-09	1.91E-09	7.10E-08
2437	496318.25	3859842.96	1.04E-04	1.27E-04	1.11E-04	3.60E-08	1.09E-07	6.29E-08	7.71E-08	6.99E-08	3.19E-08	2.79E-08	1.20E-09	2.90E-08	6.41E-09	1.05E-08	1.66E-08	2.92E-09	1.84E-09	6.85E-08
2438	496418.25	3859842.96	1.01E-04	1.24E-04	1.08E-04	3.50E-08	1.06E-07	6.11E-08	7.48E-08	6.78E-08	3.10E-08	2.71E-08	1.17E-09	2.82E-08	6.22E-09	1.02E-08	1.61E-08	2.84E-09	1.79E-09	6.65E-08
2439	495718.25	3859942.96	1.10E-04	1.35E-04	1.18E-04	3.83E-08	1.16E-07	6.69E-08	8.19E-08	7.42E-08	3.39E-08	2.97E-08	1.28E-09	3.09E-08	6.81E-09	1.11E-08	1.76E-08	3.11E-09	1.96E-09	7.28E-08
2440	495818.25	3859942.96	1.09E-04	1.34E-04	1.17E-04	3.79E-08	1.14E-07	6.62E-08	8.11E-08	7.35E-08	3.35E-08	2.94E-08	1.27E-09	3.06E-08	6.74E-09	1.10E-08	1.75E-08	3.08E-09	1.94E-09	7.21E-08
2441	495918.25	3859942.96	1.08E-04	1.33E-04	1.16E-04	3.76E-08	1.13E-07	6.57E-08	8.05E-08	7.29E-08	3.33E-08	2.92E-08	1.26E-09	3.03E-08	6.69E-09	1.09E-08	1.73E-08	3.05E-09	1.92E-09	7.15E-08
2442	496018.25	3859942.96	1.08E-04	1.32E-04	1.16E-04	3.74E-08	1.13E-07	6.54E-08	8.01E-08	7.26E-08	3.31E-08	2.90E-08	1.25E-09	3.02E-08	6.66E-09	1.09E-08	1.73E-08	3.04E-09	1.92E-09	7.12E-08
2443	496118.25	3859942.96	1.07E-04	1.31E-04	1.14E-04	3.69E-08	1.12E-07	6.46E-08	7.91E-08	7.17E-08	3.27E-08	2.87E-08	1.23E-09	2.98E-08	6.58E-09	1.07E-08	1.70E-08	3.00E-09	1.89E-09	7.03E-08
2444	496218.25	3859942.96	1.04E-04	1.28E-04	1.12E-04	3.62E-08	1.09E-07	6.33E-08	7.75E-08	7.03E-08	3.21E-08	2.81E-08	1.21E-09	2.92E-08	6.44E-09	1.05E-08	1.67E-08	2.94E-09	1.85E-09	6.89E-08
2445	496318.25	3859942.96	1.02E-04	1.25E-04	1.09E-04	3.53E-08	1.07E-07	6.18E-08	7.57E-08	6.86E-08	3.13E-08	2.74E-08	1.18E-09	2.85E-08	6.29E-09	1.03E-08	1.63E-08	2.87E-09	1.81E-09	6.72E-08
2446	496418.25	3859942.96	9.82E-05	1.20E-04	1.05E-04	3.40E-08	1.03E-07	5.95E-08	7.29E-08	6.60E-08	3.01E-08	2.64E-08	1.14E-09	2.74E-08	6.06E-09	9.89E-09	1.57E-08	2.77E-09	1.74E-09	6.47E-08
2447	496856.82	3858864.83	9.78E-05	1.20E-04	1.05E-04	3.39E-08	1.02E-07	5.92E-08	7.26E-08	6.58E-08	3.00E-08	2.63E-08	1.13E-09	2.73E-08	6.03E-09	9.85E-09	1.56E-08	2.75E-09	1.73E-09	6.45E-08
2448	496956.82	3858864.83	9.63E-05	1.18E-04	1.03E-04	3.34E-08	1.01E-07	5.84E-08	7.15E-08	6.48E-08	2.96E-08	2.59E-08	1.12E-09	2.69E-08	5.94E-09	9.71E-09	1.54E-08	2.71E-09	1.71E-09	6.35E-08
2449	497056.82	3858864.83	9.50E-05	1.16E-04	1.02E-04	3.29E-08	9.94E-08	5.75E-08	7.05E-08	6.39E-08	2.92E-08	2.55E-08	1.10E-09	2.66E-08	5.86E-09	9.57E-09	1.52E-08	2.68E-09	1.69E-09	6.26E-08
2450	497156.82	3858864.83	9.33E-05	1.14E-04	1.00E-04	3.23E-08	9.76E-08	5.65E-08	6.92E-08	6.27E-08	2.86E-08	2.51E-08	1.08E-09	2.61E-08	5.75E-09	9.39E-09	1.49E-08	2.63E-09	1.65E-09	6.15E-08
2451	497256.82	3858864.83	9.28E-05	1.14E-04	9.96E-05	3.21E-08	9.71E-08	5.62E-08	6.88E-08	6.24E-08	2.85E-08	2.49E-08	1.07E-09	2.59E-08	5.72E-09	9.34E-09	1.48E-08	2.61E-09	1.65E-09	6.11E-08
2452	496856.82	3858964.83	9.98E-05	1.22E-04	1.07E-04	3.46E-08	1.04E-07	6.04E-08	7.40E-08	6.71E-08	3.06E-08	2.68E-08	1.15E-09	2.79E-08	6.15E-09	1.00E-08	1.59E-08	2.81E-09	1.77E-09	6.58E-08
2453	496956.82	3858964.83	9.77E-05	1.20E-04	1.05E-04	3.39E-08	1.02E-07	5.92E-08	7.25E-08	6.57E-08	3.00E-08	2.63E-08	1.13E-09	2.73E-08	6.03E-09	9.84E-09	1.56E-08	2.75E-09	1.73E-09	6.44E-08
2454	497056.82	3858964.83	9.62E-05	1.18E-04	1.03E-04	3.33E-08	1.01E-07	5.83E-08	7.14E-08	6.47E-08	2.95E-08	2.59E-08	1.11E-09	2.69E-08	5.93E-09	9.69E-09	1.54E-08	2.71E-09	1.71E-09	6.34E-08
2455	497156.82	3858964.83	9.46E-05	1.16E-04	1.02E-04	3.28E-08	9.90E-08	5.73E-08	7.02E-08	6.36E-08	2.90E-08	2.54E-08	1.10E-09	2.65E-08	5.84E-09	9.53E-09	1.51E-08	2.67E-09	1.68E-09	6.24E-08
2456	497256.82	3858964.83	9.54E-05	1.17E-04	1.02E-04	3.31E-08	9.98E-08	5.78E-08	7.08E-08	6.42E-08	2.93E-08	2.57E-08	1.10E-09	2.67E-08	5.88E-09	9.61E-09	1.52E-08	2.69E-09	1.69E-09	6.29E-08
2457	496856.82	3859064.83	1.00E-04	1.23E-04	1.08E-04	3.47E-08	1.05E-07	6.07E-08	7.43E-08	6.74E-08	3.08E-08	2.69E-08	1.16E-09	2.80E-08	6.18E-09	1.01E-08	1.60E-08	2.82E-09	1.78E-09	6.61E-08
2458	496956.82	3859064.83	9.86E-05	1.21E-04	1.06E-04	3.42E-08	1.03E-07	5.97E-08	7.31E-08	6.63E-08	3.03E-08	2.65E-08	1.14E-09	2.76E-08	6.08E-09	9.93E-09	1.58E-08	2.78E-09	1.75E-09	6.50E-08
2459	497056.82	3859064.83	9.73E-05	1.19E-04	1.04E-04	3.37E-08	1.02E-07	5.89E-08	7.22E-08	6.54E-08	2.99E-08	2.62E-08	1.13E-09	2.72E-08	6.00E-09	9.80E-09	1.55E-08	2.74E-09	1.73E-09	6.41E-08
2460	497156.82	3859064.83	9.61E-05	1.18E-04	1.03E-04	3.33E-08	1.01E-07	5.82E-08	7.13E-08	6.47E-08	2.95E-08	2.59E-08	1.11E-09	2.69E-08	5.93E-09	9.68E-09	1.54E-08	2.71E-09	1.71E-09	6.34E-08
2461	497256.82	3859064.83	9.77E-05	1.20E-04	1.05E-04	3.38E-08	1.02E-07	5.92E-08	7.25E-08	6.57E-08	3.00E-08	2.63E-08	1.13E-09	2.73E-08	6.02E-09	9.84E-09	1.56E-08	2.75E-09	1.73E-09	6.44E-08
2462	496856.82	3859164.83	9.95E-05	1.22E-04	1.07E-04	3.45E-08	1.04E-07	6.03E-08	7.39E-08	6.69E-08	3.05E-08	2.68E-08	1.15E-09	2.78E-08	6.14E-09	1.00E-08	1.59E-08	2.80E-09	1.77E-09	6.56E-08
2463	496956.82	3859164.83	9.78E-05	1.20E-04	1.05E-04	3.39E-08	1.02E-07	5.93E-08	7.26E-08	6.58E-08	3.00E-08	2.63E-08	1.13E-09	2.73E-08	6.03E-09	9.85E-09	1.56E-08	2.76E-09	1.74E-09	6.45E-08
2464	497056.82	3859164.83	9.72E-05	1.19E-04	1.04E-04	3.37E-08	1.02E-07	5.89E-08	7.21E-08	6.54E-08	2.98E-08	2.61E-08	1.12E-09	2.72E-08	5.99E-09	9.79E-09	1.55E-08	2.74E-09	1.72E-09	6.41E-08
2465	497156.82	3859164.83	9.77E-05	1.20E-04	1.05E-04	3.38E-08	1.02E-07	5.92E-08	7.25E-08	6.57E-08	3.00E-08	2.63E-08	1.13E-09	2.73E-08	6.02E-09	9.84E-09	1.56E-08	2.75E-09	1.73E-09	6.44E-08
2466	497256.82	3859164.83	9.95E-05	1.22E-04	1.07E-04	3.45E-08	1.04E-07	6.03E-08	7.39E-08	6.70E-08	3.05E-08	2.68E-08	1.15E-09	2.78E-08	6.14E-09	1.00E-08	1.59E-08	2.80E-09	1.77E-09	6.56E-08
2467	496856.82	3859264.83	9.82E-05	1.20E-04	1.05E-04	3.40E-08	1.03E-07	5.95E-08	7.28E-08	6.60E-08	3.01E-08	2.64E-08	1.14E-09	2.74E-08	6.05E-09	9.89E-09	1.57E-08	2.76E-09	1.74E-09	6.47E-08
2468	496956.82	3859264.83	9.79E-05	1.20E-04	1.05E-04	3.39E-08	1.02E-07	5.93E-08	7.26E-08	6.59E-08	3.00E-08	2.63E-08	1.13E-09	2.74E-08	6.04E-09	9.86E-09	1.56E-08	2.76E-09	1.74E-09	6.45E-08
2469	497056.82	3859264.83	9.85E-05	1.21E-04	1.06E-04	3.41E-08	1.03E-07	5.97E-08	7.31E-08	6.63E-08	3.02E-08	2.65E-08	1.14E-09	2.75E-08	6.08E-09	9.92E-09	1.57E-08	2.77E-09	1.75E-09	6.49E-08
2470	497156.82	3859264.83	9.89E-05	1.21E-04	1.06E-04	3.43E-08	1.04E-07	5.99E-08	7.34E-08	6.65E-08	3.04E-08	2.66E-08	1.14E-09	2.76E-08	6.10E-09	9.96E-09	1.58E-08	2.79E-09	1.75E-09	6.52E-08
2471	497256.82	3859264.83	1.00E-04	1.23E-04	1.08E-04	3.48E-08	1.05E-07	6.08E-08	7.44E-08	6.75E-08	3.08E-08	2.70E-08	1.16E-09	2.80E-08	6.19E-09	1.01E-08	1.60E-08	2.82E-09	1.78E-09	6.61E-08
2472	497088.92	3858620.93	8.94E-05	1.09E-04	9.59E-05	3.10E-08	9.35E-08	5.41E-08	6.63E-08	6.01E-08	2.74E-08	2.40E-08	1.03E-09	2.50E-08	5.51E-09	9.00E-09	1.43E-08	2.52E-09	1.59E-09	5.89E-08
2473	497138.92	3858620.93	8.93E-05	1.09E-04	9.58E-05	3.09E-08	9.34E-08	5.41E-08	6.62E-08	6.00E-08	2.74E-08	2.40E-08	1.03E-09	2.50E-08	5.51E-09	8.99E-09	1.43E-08	2.51E-09	1.58E-09	5.88E-08
2474	497188.92	3858620.93	8.85E-05	1.08E-04	9.50E-05	3.07E-08	9.26E-08	5.36E-08	6.57E-08	5.95E-08	2.72E-08	2.38E-08	1.02E-09	2.47E-08	5.46E-09	8.92E-09	1.41E-08	2.49E-09	1.57E-09	5.84E-08
2475	497238.92	3858620.93	8.81E-05	1.08E-04	9.46E-05	3.05E-08	9.22E-08	5.34E-08	6.54E-08	5.92E-08	2.70E-08	2.37E-08	1.02E-09	2.46E-08	5.43E-09	8.87E-09	1.41E-08	2.48E-09	1.56E-09	5.81E-08
2476	497088.92	3858670.93	8.94E-05	1.09E-04	9.59E-05	3.10E-08	9.35E-08	5.41E-08	6.63E-08	6.01E-08	2.74E-08	2.40E-08	1.03E-09	2.50E-08	5.51E-09	9.00E-09	1.43E-08	2.52E-09	1.59E-09	5.89E-08
2477	497138.92	3858670.93	8.97E-05	1.10E-04	9.63E-05	3.11E-08	9.39E-08	5.44E-08	6.66E-08	6.03E-08	2.75E-08	2.41E-08	1.04E-09	2.51E-08	5.53E-09	9.04E-09	1.43E-08	2.53E-09	1.59E-09	5.92E-08
2478	497188.92	3858670.93	8.89E-05	1.09E-04	9.55E-05	3.08E-08	9.31E-08	5.39E-08	6.60E-08	5.98E-08	2.73E-08	2.39E-08	1.03E-09	2.49E-08	5.49E-09	8.96E-09	1.42E-08	2.50E-09	1.58E-09	5.86E-08
2479	497238.92	3858670.93	8.88E-05	1.09E-04	9.53E-05	3.08E-08	9.29E-08	5.38E-08	6.59E-08	5.97E-08	2.72E-08	2.39E-08	1.03E-09	2.48E-08	5.48E-09	8.94E-09	1.42E-08	2.50E-09	1.57E-09	5.85E-08
2480	497088.92	3858720.93	9.13E-05	1.12E-04	9.80E-05	3.16E-08	9.55E-08	5.53E-08	6.77E-08	6.14E-08	2.80E-08	2.45E-08	1.06E-09	2.55E-08	5.63E-09	9.19E-09	1.46E-08	2.57E-09	1.62E-09	6.02E-08
2481	497138.92	3858720.93	8.91E-05	1.09E-04	9.56E-05	3.09E-08	9.32E-08	5.40E-08	6.61E-08	5.99E-08	2.73E-08	2.40E-08	1.03E-09	2.49E-08	5.50E-09	8.97E-09	1.42E-08	2.51E-09	1.58E-09	5.87E-08
2482	497188.92	3858720.93	8.86E-05	1.09E-04	9.51E-05	3.07E-08	9.27E-08	5.37E-08	6.57E-08	5.96E-08	2.72E-08	2.38E-08	1.03E-09	2.48E-08	5.47E-09	8.93E-09	1.42E-08	2.50E-09	1.57E-09	5.84E-08
2483	497238.92	3858720.93	8.97E-05	1.10E-04	9.63E-05	3.11E-08	9.39E-08	5.43E-08	6.66E-08	6.03E-08	2.75E-08	2.41E-08	1.04E-09	2.51E-08	5.53E-09	9.04E-09	1.43E-08	2.53E-09	1.59E-09	5.91E-08
2484	497088.92	3858770.93	9.17E-05	1.12E-04	9.85E-05	3.18E-08	9.60E-08	5.56E-08	6.81E-08	6.17E-08	2.81E-08	2.47E-08	1.06E-09	2.56E-08	5.66E-09	9.24E-09	1.47E-08	2.58E-09	1.63E-09	6.05E-08
2485	497138.92	3858770.93	9.08E-05	1.11E-04	9.75E-05	3.15E-08	9.50E-08	5.50E-08	6.74E-08	6.11E-08	2.79E-08	2.44E-08	1.05E-09	2.54E-08	5.60E-09	9.15E-09	1.45E-08	2.56E-09	1.61E-09	5.99E-08
2486	497188.92	3858770.93	9.02E-05	1.10E-04	9.68E-05	3.13E-08	9.44E-08	5.46E-08	6.69E-08	6.07E-08	2.77E-08	2.43E-08	1.04E-09	2.52E-08	5.56E-09	9.09E-09	1.44E-08	2.54E-09	1.60E-09	5.95E-08
2487	497238.92	3858770.93	9.07E-05	1.11E-04	9.74E-05	3.14E-08	9.49E-08	5.49E-08	6.73E-08	6.10E-08	2.78E-08	2.44E-08	1.05E-09	2.54E-08	5.59E-09	9.14E-09	1.45E-08	2.55E-09	1.61E-09	5.98E-08
2488	497396.65	3858622.63	9.15E-05	1.12E-04	9.82E-05	3.17E-08	9.57E-08	5.54E-08	6.79E-08	6.15E-08	2.81E-08	2.46E-08	1.06E-09	2.56E-08	5.64E-09	9.22E-09	1.46E-08	2.58E-09	1.62E-09	6.03E-08
2489	497496.65	3858622.63	9.33E-05	1.14E-04	1.00E-04	3.23E-08	9.77E-08	5.65E-08	6.92E-08	6.28E-08	2.86E-08	2.51E-08	1.08E-09	2.61E-08	5.76E-09	9.40E-09	1.49E-08	2.63E-09	1.66E-09	6.15E-08
2490	497596.65	3858622.63	9.68E-05	1.19E-04	1.04E-04	3.36E-08	1.01E-07	5.87E-08	7.18E-08	6.51E-08	2.97E-08	2.60E-08	1.12E-09	2.71E-08	5.97E-09	9.75E-09	1.55E-08	2.73E-09	1.72E-09	6.38E-08
2491	497696.65	3858622.63	9.76E-05	1.20E-04	1.05E-04	3.38E-08	1.02E-07	5.91E-08	7.24E-08	6.57E-08	3.00E-08	2.63E-08	1.13E-09	2.73E-08	6.02E-09	9.83E-09	1.56E-08	2.75E-09	1.73E-09	6.44E-08
2492	497796.65	3858622.63	9.96E-05	1.22E-04	1.07E-04	3.45E-08	1.04E-07	6.03E-08	7.39E-08	6.70E-08	3.06E-08	2.68E-08	1.15E-09	2.78E-08	6.14E-09	1.00E-08	1.59E-08	2.81E-09	1.77E-09	6.57E-08
2493	497896.65	3858622.63	1.02E-04	1.24E-04	1.09E-04	3.52E-08	1.06E-07	6.15E-08	7.53E-08	6.83E-08	3.12E-08	2.73E-08	1.18E-09	2.84E-08	6.26E-09	1.02E-08	1.62E-08	2.86E-09	1.80E-09	6.69E-08
2494	497396.65	3858722.63	9.37E-05	1.15E-04	1.01E-04	3.25E-08	9.80E-08	5.68E-08	6.95E-08	6.30E-08	2.88E-08	2.52E-08	1.08E-09	2.62E-08	5.78E-09	9.44E-09	1.50E-08	2.64E-09	1.66E-09	6.18E-08

2495	497496.65	3858722.63	9.55E-05	1.17E-04	1.03E-04	3.31E-08	9.99E-08	5.78E-08	7.08E-08	6.42E-08	2.93E-08	2.57E-08	1.11E-09	2.67E-08	5.89E-09	9.62E-09	1.53E-08	2.69E-09	1.69E-09	6.29E-08
2496	497596.65	3858722.63	9.86E-05	1.21E-04	1.06E-04	3.42E-08	1.03E-07	5.97E-08	7.31E-08	6.63E-08	3.03E-08	2.65E-08	1.14E-09	2.76E-08	6.08E-09	9.93E-09	1.58E-08	2.78E-09	1.75E-09	6.50E-08
2497	497696.65	3858722.63	1.00E-04	1.23E-04	1.08E-04	3.47E-08	1.05E-07	6.07E-08	7.43E-08	6.74E-08	3.08E-08	2.70E-08	1.16E-09	2.80E-08	6.18E-09	1.01E-08	1.60E-08	2.82E-09	1.78E-09	6.61E-08
2498	497796.65	3858722.63	1.01E-04	1.24E-04	1.08E-04	3.50E-08	1.06E-07	6.11E-08	7.49E-08	6.79E-08	3.10E-08	2.71E-08	1.17E-09	2.82E-08	6.22E-09	1.02E-08	1.61E-08	2.84E-09	1.79E-09	6.65E-08
2499	497896.65	3858722.63	1.02E-04	1.25E-04	1.10E-04	3.54E-08	1.07E-07	6.19E-08	7.58E-08	6.87E-08	3.13E-08	2.75E-08	1.18E-09	2.85E-08	6.30E-09	1.03E-08	1.63E-08	2.88E-09	1.81E-09	6.73E-08
2500	497396.65	3858822.63	9.49E-05	1.16E-04	1.02E-04	3.29E-08	9.93E-08	5.75E-08	7.04E-08	6.38E-08	2.91E-08	2.55E-08	1.10E-09	2.65E-08	5.85E-09	9.56E-09	1.52E-08	2.67E-09	1.68E-09	6.26E-08
2501	497496.65	3858822.63	9.63E-05	1.18E-04	1.03E-04	3.34E-08	1.01E-07	5.84E-08	7.15E-08	6.48E-08	2.96E-08	2.59E-08	1.11E-09	2.69E-08	5.94E-09	9.71E-09	1.54E-08	2.71E-09	1.71E-09	6.35E-08
2502	497596.65	3858822.63	9.99E-05	1.22E-04	1.07E-04	3.46E-08	1.05E-07	6.05E-08	7.42E-08	6.72E-08	3.07E-08	2.69E-08	1.16E-09	2.79E-08	6.17E-09	1.01E-08	1.60E-08	2.81E-09	1.77E-09	6.59E-08
2503	497696.65	3858822.63	1.01E-04	1.24E-04	1.08E-04	3.50E-08	1.06E-07	6.12E-08	7.49E-08	6.79E-08	3.10E-08	2.72E-08	1.17E-09	2.82E-08	6.23E-09	1.02E-08	1.61E-08	2.84E-09	1.79E-09	6.65E-08
2504	497796.65	3858822.63	1.02E-04	1.25E-04	1.09E-04	3.52E-08	1.06E-07	6.16E-08	7.54E-08	6.84E-08	3.12E-08	2.73E-08	1.18E-09	2.84E-08	6.27E-09	1.02E-08	1.62E-08	2.86E-09	1.80E-09	6.70E-08
2505	497896.65	3858822.63	1.04E-04	1.27E-04	1.11E-04	3.59E-08	1.08E-07	6.28E-08	7.69E-08	6.97E-08	3.18E-08	2.79E-08	1.20E-09	2.90E-08	6.39E-09	1.04E-08	1.66E-08	2.92E-09	1.84E-09	6.83E-08
2506	497396.65	3858922.63	9.62E-05	1.18E-04	1.03E-04	3.33E-08	1.01E-07	5.83E-08	7.14E-08	6.47E-08	2.95E-08	2.59E-08	1.11E-09	2.69E-08	5.93E-09	9.69E-09	1.54E-08	2.71E-09	1.71E-09	6.34E-08
2507	497496.65	3858922.63	9.92E-05	1.21E-04	1.06E-04	3.44E-08	1.04E-07	6.01E-08	7.36E-08	6.67E-08	3.04E-08	2.67E-08	1.15E-09	2.77E-08	6.12E-09	9.99E-09	1.58E-08	2.79E-09	1.76E-09	6.54E-08
2508	497596.65	3858922.63	9.89E-05	1.21E-04	1.06E-04	3.43E-08	1.04E-07	5.99E-08	7.34E-08	6.65E-08	3.04E-08	2.66E-08	1.14E-09	2.77E-08	6.10E-09	9.97E-09	1.58E-08	2.79E-09	1.75E-09	6.52E-08
2509	497696.65	3858922.63	1.02E-04	1.25E-04	1.10E-04	3.54E-08	1.07E-07	6.19E-08	7.58E-08	6.87E-08	3.14E-08	2.75E-08	1.18E-09	2.86E-08	6.30E-09	1.03E-08	1.63E-08	2.88E-09	1.81E-09	6.74E-08
2510	497796.65	3858922.63	1.04E-04	1.27E-04	1.11E-04	3.59E-08	1.08E-07	6.28E-08	7.69E-08	6.97E-08	3.18E-08	2.79E-08	1.20E-09	2.90E-08	6.39E-09	1.04E-08	1.66E-08	2.92E-09	1.84E-09	6.83E-08
2511	497896.65	3858922.63	1.06E-04	1.30E-04	1.14E-04	3.68E-08	1.11E-07	6.42E-08	7.87E-08	7.13E-08	3.25E-08	2.85E-08	1.23E-09	2.96E-08	6.54E-09	1.07E-08	1.69E-08	2.99E-09	1.88E-09	6.99E-08
2512	497364.44	3858201.52	8.75E-05	1.07E-04	9.40E-05	3.03E-08	9.16E-08	5.30E-08	6.50E-08	5.89E-08	2.69E-08	2.35E-08	1.01E-09	2.45E-08	5.40E-09	8.82E-09	1.40E-08	2.47E-09	1.55E-09	5.77E-08
2513	497414.44	3858201.52	8.85E-05	1.08E-04	9.51E-05	3.07E-08	9.26E-08	5.36E-08	6.57E-08	5.95E-08	2.72E-08	2.38E-08	1.02E-09	2.48E-08	5.46E-09	8.92E-09	1.41E-08	2.49E-09	1.57E-09	5.84E-08
2514	497464.44	3858201.52	8.94E-05	1.09E-04	9.59E-05	3.10E-08	9.35E-08	5.41E-08	6.63E-08	6.01E-08	2.74E-08	2.40E-08	1.03E-09	2.50E-08	5.51E-09	9.00E-09	1.43E-08	2.52E-09	1.59E-09	5.89E-08
2515	497514.44	3858201.52	8.97E-05	1.10E-04	9.63E-05	3.11E-08	9.38E-08	5.43E-08	6.65E-08	6.03E-08	2.75E-08	2.41E-08	1.04E-09	2.51E-08	5.53E-09	9.03E-09	1.43E-08	2.53E-09	1.59E-09	5.91E-08
2516	497564.44	3858201.52	8.93E-05	1.09E-04	9.59E-05	3.09E-08	9.34E-08	5.41E-08	6.63E-08	6.01E-08	2.74E-08	2.40E-08	1.03E-09	2.50E-08	5.51E-09	9.00E-09	1.43E-08	2.51E-09	1.58E-09	5.89E-08
2517	497614.44	3858201.52	8.95E-05	1.10E-04	9.61E-05	3.10E-08	9.36E-08	5.42E-08	6.64E-08	6.02E-08	2.75E-08	2.41E-08	1.04E-09	2.50E-08	5.52E-09	9.01E-09	1.43E-08	2.52E-09	1.59E-09	5.90E-08
2518	497364.44	3858251.52	8.90E-05	1.09E-04	9.55E-05	3.08E-08	9.31E-08	5.39E-08	6.60E-08	5.98E-08	2.73E-08	2.39E-08	1.03E-09	2.49E-08	5.49E-09	8.96E-09	1.42E-08	2.51E-09	1.58E-09	5.87E-08
2519	497414.44	3858251.52	9.03E-05	1.11E-04	9.69E-05	3.13E-08	9.45E-08	5.47E-08	6.70E-08	6.07E-08	2.77E-08	2.43E-08	1.04E-09	2.52E-08	5.57E-09	9.09E-09	1.44E-08	2.54E-09	1.60E-09	5.95E-08
2520	497464.44	3858251.52	8.95E-05	1.10E-04	9.61E-05	3.10E-08	9.37E-08	5.42E-08	6.64E-08	6.02E-08	2.75E-08	2.41E-08	1.04E-09	2.50E-08	5.52E-09	9.02E-09	1.43E-08	2.52E-09	1.59E-09	5.90E-08
2521	497514.44	3858251.52	8.86E-05	1.09E-04	9.51E-05	3.07E-08	9.27E-08	5.37E-08	6.57E-08	5.96E-08	2.72E-08	2.38E-08	1.03E-09	2.48E-08	5.46E-09	8.92E-09	1.42E-08	2.49E-09	1.57E-09	5.84E-08
2522	497564.44	3858251.52	8.83E-05	1.08E-04	9.48E-05	3.06E-08	9.24E-08	5.35E-08	6.55E-08	5.94E-08	2.71E-08	2.38E-08	1.02E-09	2.47E-08	5.45E-09	8.90E-09	1.41E-08	2.49E-09	1.57E-09	5.82E-08
2523	497614.44	3858251.52	8.80E-05	1.08E-04	9.45E-05	3.05E-08	9.21E-08	5.33E-08	6.53E-08	5.92E-08	2.70E-08	2.37E-08	1.02E-09	2.46E-08	5.43E-09	8.87E-09	1.41E-08	2.48E-09	1.56E-09	5.80E-08
2524	497364.44	3858301.52	8.92E-05	1.09E-04	9.58E-05	3.09E-08	9.34E-08	5.41E-08	6.62E-08	6.00E-08	2.74E-08	2.40E-08	1.03E-09	2.49E-08	5.50E-09	8.99E-09	1.43E-08	2.51E-09	1.58E-09	5.88E-08
2525	497414.44	3858301.52	9.00E-05	1.10E-04	9.66E-05	3.12E-08	9.41E-08	5.45E-08	6.68E-08	6.05E-08	2.76E-08	2.42E-08	1.04E-09	2.52E-08	5.55E-09	9.06E-09	1.44E-08	2.53E-09	1.60E-09	5.93E-08
2526	497464.44	3858301.52	8.90E-05	1.09E-04	9.56E-05	3.08E-08	9.31E-08	5.39E-08	6.60E-08	5.99E-08	2.73E-08	2.39E-08	1.03E-09	2.49E-08	5.49E-09	8.97E-09	1.42E-08	2.51E-09	1.58E-09	5.87E-08
2527	497514.44	3858301.52	8.84E-05	1.08E-04	9.49E-05	3.06E-08	9.25E-08	5.35E-08	6.56E-08	5.94E-08	2.71E-08	2.38E-08	1.02E-09	2.47E-08	5.45E-09	8.90E-09	1.41E-08	2.49E-09	1.57E-09	5.82E-08
2528	497564.44	3858301.52	8.74E-05	1.07E-04	9.38E-05	3.03E-08	9.14E-08	5.29E-08	6.48E-08	5.88E-08	2.68E-08	2.35E-08	1.01E-09	2.44E-08	5.39E-09	8.80E-09	1.40E-08	2.46E-09	1.55E-09	5.76E-08
2529	497614.44	3858301.52	8.71E-05	1.07E-04	9.35E-05	3.02E-08	9.11E-08	5.27E-08	6.46E-08	5.85E-08	2.67E-08	2.34E-08	1.01E-09	2.43E-08	5.37E-09	8.77E-09	1.39E-08	2.45E-09	1.54E-09	5.74E-08
2530	497364.44	3858351.52	8.96E-05	1.10E-04	9.62E-05	3.11E-08	9.38E-08	5.43E-08	6.65E-08	6.03E-08	2.75E-08	2.41E-08	1.04E-09	2.51E-08	5.53E-09	9.03E-09	1.43E-08	2.52E-09	1.59E-09	5.91E-08
2531	497414.44	3858351.52	8.90E-05	1.09E-04	9.56E-05	3.09E-08	9.32E-08	5.39E-08	6.61E-08	5.99E-08	2.73E-08	2.39E-08	1.03E-09	2.49E-08	5.49E-09	8.97E-09	1.42E-08	2.51E-09	1.58E-09	5.87E-08
2532	497464.44	3858351.52	8.88E-05	1.09E-04	9.53E-05	3.08E-08	9.29E-08	5.38E-08	6.59E-08	5.97E-08	2.73E-08	2.39E-08	1.03E-09	2.48E-08	5.48E-09	8.94E-09	1.42E-08	2.50E-09	1.58E-09	5.85E-08
2533	497514.44	3858351.52	8.83E-05	1.08E-04	9.48E-05	3.06E-08	9.24E-08	5.35E-08	6.55E-08	5.94E-08	2.71E-08	2.37E-08	1.02E-09	2.47E-08	5.45E-09	8.89E-09	1.41E-08	2.49E-09	1.57E-09	5.82E-08
2534	497564.44	3858351.52	8.71E-05	1.07E-04	9.35E-05	3.02E-08	9.11E-08	5.27E-08	6.46E-08	5.86E-08	2.67E-08	2.34E-08	1.01E-09	2.43E-08	5.37E-09	8.77E-09	1.39E-08	2.45E-09	1.54E-09	5.74E-08
2535	497614.44	3858351.52	8.68E-05	1.06E-04	9.32E-05	3.01E-08	9.08E-08	5.26E-08	6.44E-08	5.84E-08	2.66E-08	2.33E-08	1.00E-09	2.43E-08	5.35E-09	8.74E-09	1.39E-08	2.44E-09	1.54E-09	5.72E-08
2536	497364.44	3858401.52	8.87E-05	1.09E-04	9.52E-05	3.07E-08	9.28E-08	5.37E-08	6.58E-08	5.96E-08	2.72E-08	2.39E-08	1.03E-09	2.48E-08	5.47E-09	8.93E-09	1.42E-08	2.50E-09	1.57E-09	5.85E-08
2537	497414.44	3858401.52	8.86E-05	1.08E-04	9.51E-05	3.07E-08	9.27E-08	5.36E-08	6.57E-08	5.96E-08	2.72E-08	2.38E-08	1.02E-09	2.48E-08	5.46E-09	8.92E-09	1.42E-08	2.49E-09	1.57E-09	5.84E-08
2538	497464.44	3858401.52	8.79E-05	1.08E-04	9.43E-05	3.05E-08	9.20E-08	5.32E-08	6.52E-08	5.91E-08	2.70E-08	2.36E-08	1.02E-09	2.46E-08	5.42E-09	8.85E-09	1.40E-08	2.48E-09	1.56E-09	5.79E-08
2539	497514.44	3858401.52	8.75E-05	1.07E-04	9.40E-05	3.03E-08	9.16E-08	5.30E-08	6.49E-08	5.89E-08	2.69E-08	2.35E-08	1.01E-09	2.45E-08	5.40E-09	8.82E-09	1.40E-08	2.47E-09	1.55E-09	5.77E-08
2540	497564.44	3858401.52	8.84E-05	1.08E-04	9.49E-05	3.06E-08	9.25E-08	5.36E-08	6.56E-08	5.95E-08	2.71E-08	2.38E-08	1.02E-09	2.47E-08	5.46E-09	8.91E-09	1.41E-08	2.49E-09	1.57E-09	5.83E-08
2541	497614.44	3858401.52	8.93E-05	1.09E-04	9.59E-05	3.10E-08	9.35E-08	5.41E-08	6.63E-08	6.01E-08	2.74E-08	2.40E-08	1.03E-09	2.50E-08	5.51E-09	9.00E-09	1.43E-08	2.52E-09	1.59E-09	5.89E-08
2542	493478.11	3860497.94	1.04E-04	1.27E-04	1.11E-04	3.59E-08	1.08E-07	6.28E-08	7.69E-08	6.97E-08	3.18E-08	2.79E-08	1.20E-09	2.90E-08	6.39E-09	1.04E-08	1.66E-08	2.92E-09	1.84E-09	6.83E-08
2543	493528.11	3860497.94	1.03E-04	1.27E-04	1.11E-04	3.59E-08	1.08E-07	6.27E-08	7.68E-08	6.96E-08	3.18E-08	2.78E-08	1.20E-09	2.89E-08	6.38E-09	1.04E-08	1.65E-08	2.91E-09	1.84E-09	6.82E-08
2544	493478.11	3860547.94	1.01E-04	1.24E-04	1.08E-04	3.50E-08	1.06E-07	6.12E-08	7.49E-08	6.79E-08	3.10E-08	2.72E-08	1.17E-09	2.82E-08	6.23E-09	1.02E-08	1.61E-08	2.84E-09	1.79E-09	6.66E-08
2545	493528.11	3860547.94	1.01E-04	1.24E-04	1.08E-04	3.50E-08	1.06E-07	6.11E-08	7.48E-08	6.78E-08	3.10E-08	2.71E-08	1.17E-09	2.82E-08	6.22E-09	1.02E-08	1.61E-08	2.84E-09	1.79E-09	6.65E-08
2546	493478.11	3860597.94	9.85E-05	1.21E-04	1.06E-04	3.41E-08	1.03E-07	5.97E-08	7.31E-08	6.62E-08	3.02E-08	2.65E-08	1.14E-09	2.75E-08	6.07E-09	9.92E-09	1.57E-08	2.77E-09	1.75E-09	6.49E-08
2547	493528.11	3860597.94	9.84E-05	1.20E-04	1.06E-04	3.41E-08	1.03E-07	5.96E-08	7.30E-08	6.62E-08	3.02E-08	2.65E-08	1.14E-09	2.75E-08	6.07E-09	9.91E-09	1.57E-08	2.77E-09	1.75E-09	6.49E-08
2548	493561.88	3860524.64	1.02E-04	1.25E-04	1.10E-04	3.54E-08	1.07E-07	6.18E-08	7.57E-08	6.86E-08	3.13E-08	2.74E-08	1.18E-09	2.85E-08	6.29E-09	1.03E-08	1.63E-08	2.87E-09	1.81E-09	6.73E-08
2549	493591.88	3860524.64	1.02E-04	1.25E-04	1.10E-04	3.54E-08	1.07E-07	6.18E-08	7.57E-08	6.86E-08	3.13E-08	2.75E-08	1.18E-09	2.85E-08	6.30E-09	1.03E-08	1.63E-08	2.87E-09	1.81E-09	6.73E-08
2550	493561.88	3860554.64	1.00E-04	1.23E-04	1.08E-04	3.48E-08	1.05E-07	6.09E-08	7.46E-08	6.76E-08	3.08E-08	2.70E-08	1.16E-09	2.81E-08	6.20E-09	1.01E-08	1.61E-08	2.83E-09	1.78E-09	6.62E-08
2551	493591.88	3860554.64	1.01E-04	1.23E-04	1.08E-04	3.49E-08	1.05E-07	6.09E-08	7.46E-08	6.76E-08	3.09E-08	2.71E-08	1.16E-09	2.81E-08	6.20E-09	1.01E-08	1.61E-08	2.83E-09	1.78E-09	6.63E-08
2552	492880.5	3860293.11	1.15E-04	1.41E-04	1.24E-04	3.99E-08	1.20E-07	6.97E-08	8.53E-08	7.74E-08	3.53E-08	3.09E-08	1.33E-09	3.22E-08	7.10E-09	1.16E-08	1.84E-08	3.24E-09	2.04E-09	7.58E-08
2553	492930.5	3860293.11	1.15E-04	1.41E-04	1.24E-04	3.99E-08	1.21E-07	6.98E-08	8.55E-08	7.75E-08	3.53E-08	3.10E-08	1.33E-09	3.22E-08	7.11E-09	1.16E-08	1.84E-08	3.24E-09	2.04E-09	7.59E-08
2554	492980.5	3860293.11	1.15E-04	1.41E-04	1.24E-04	4.00E-08	1.21E-07	6.99E-08	8.56E-08	7.76E-08	3.54E-08	3.10E-08	1.33E-09	3.22E-08	7.12E-09	1.16E-08	1.84E-08	3.25E-09	2.05E-09	7.60E-08
2555	493030.5	3860293.11	1.16E-04	1.42E-04	1.25E-04	4.02E-08	1.21E-07	7.03E-08	8.61E-08	7.80E-08	3.56E-08	3.12E-08	1.34E-09	3.24E-08	7.16E-09	1.17E-08	1.85E-08	3.27E-09	2.06E-09	7.65E-08

2556	493080.5	3860293.11	1.16E-04	1.43E-04	1.25E-04	4.04E-08	1.22E-07	7.05E-08	8.64E-08	7.83E-08	3.57E-08	3.13E-08	1.35E-09	3.25E-08	7.18E-09	1.17E-08	1.86E-08	3.28E-09	2.07E-09	7.68E-08
2557	493130.5	3860293.11	1.16E-04	1.42E-04	1.25E-04	4.02E-08	1.21E-07	7.03E-08	8.61E-08	7.80E-08	3.56E-08	3.12E-08	1.34E-09	3.24E-08	7.16E-09	1.17E-08	1.85E-08	3.27E-09	2.06E-09	7.65E-08
2558	493180.5	3860293.11	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.00E-08	8.58E-08	7.78E-08	3.55E-08	3.11E-08	1.34E-09	3.23E-08	7.13E-09	1.16E-08	1.85E-08	3.26E-09	2.05E-09	7.62E-08
2559	493230.5	3860293.11	1.15E-04	1.41E-04	1.24E-04	4.00E-08	1.21E-07	6.99E-08	8.57E-08	7.76E-08	3.54E-08	3.11E-08	1.34E-09	3.23E-08	7.12E-09	1.16E-08	1.84E-08	3.25E-09	2.05E-09	7.61E-08
2560	493280.5	3860293.11	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.00E-08	8.58E-08	7.78E-08	3.55E-08	3.11E-08	1.34E-09	3.23E-08	7.13E-09	1.16E-08	1.85E-08	3.26E-09	2.05E-09	7.62E-08
2561	493330.5	3860293.11	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.00E-08	8.57E-08	7.77E-08	3.55E-08	3.11E-08	1.34E-09	3.23E-08	7.13E-09	1.16E-08	1.85E-08	3.25E-09	2.05E-09	7.62E-08
2562	493380.5	3860293.11	1.15E-04	1.41E-04	1.24E-04	4.00E-08	1.21E-07	6.99E-08	8.57E-08	7.76E-08	3.54E-08	3.11E-08	1.34E-09	3.23E-08	7.12E-09	1.16E-08	1.84E-08	3.25E-09	2.05E-09	7.61E-08
2563	492880.5	3860343.11	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.77E-08	8.29E-08	7.52E-08	3.43E-08	3.01E-08	1.29E-09	3.13E-08	6.90E-09	1.13E-08	1.79E-08	3.15E-09	1.98E-09	7.37E-08
2564	492930.5	3860343.11	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.78E-08	8.31E-08	7.53E-08	3.44E-08	3.01E-08	1.30E-09	3.13E-08	6.90E-09	1.13E-08	1.79E-08	3.15E-09	1.99E-09	7.38E-08
2565	492980.5	3860343.11	1.13E-04	1.38E-04	1.21E-04	3.91E-08	1.18E-07	6.83E-08	8.36E-08	7.58E-08	3.46E-08	3.03E-08	1.30E-09	3.15E-08	6.95E-09	1.14E-08	1.80E-08	3.17E-09	2.00E-09	7.43E-08
2566	493030.5	3860343.11	1.13E-04	1.38E-04	1.21E-04	3.91E-08	1.18E-07	6.83E-08	8.36E-08	7.58E-08	3.46E-08	3.03E-08	1.30E-09	3.15E-08	6.95E-09	1.14E-08	1.80E-08	3.17E-09	2.00E-09	7.43E-08
2567	493080.5	3860343.11	1.13E-04	1.39E-04	1.22E-04	3.93E-08	1.19E-07	6.87E-08	8.41E-08	7.62E-08	3.48E-08	3.05E-08	1.31E-09	3.17E-08	6.99E-09	1.14E-08	1.81E-08	3.19E-09	2.01E-09	7.47E-08
2568	493130.5	3860343.11	1.13E-04	1.39E-04	1.21E-04	3.92E-08	1.18E-07	6.85E-08	8.39E-08	7.61E-08	3.47E-08	3.04E-08	1.31E-09	3.16E-08	6.98E-09	1.14E-08	1.81E-08	3.19E-09	2.01E-09	7.46E-08
2569	493180.5	3860343.11	1.13E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.82E-08	8.35E-08	7.57E-08	3.46E-08	3.03E-08	1.30E-09	3.15E-08	6.95E-09	1.13E-08	1.80E-08	3.17E-09	2.00E-09	7.42E-08
2570	493230.5	3860343.11	1.12E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.81E-08	8.35E-08	7.57E-08	3.45E-08	3.03E-08	1.30E-09	3.14E-08	6.94E-09	1.13E-08	1.80E-08	3.17E-09	2.00E-09	7.42E-08
2571	493280.5	3860343.11	1.13E-04	1.38E-04	1.21E-04	3.91E-08	1.18E-07	6.83E-08	8.37E-08	7.58E-08	3.46E-08	3.03E-08	1.30E-09	3.15E-08	6.95E-09	1.14E-08	1.80E-08	3.18E-09	2.00E-09	7.43E-08
2572	493330.5	3860343.11	1.13E-04	1.38E-04	1.21E-04	3.91E-08	1.18E-07	6.83E-08	8.37E-08	7.59E-08	3.46E-08	3.03E-08	1.31E-09	3.15E-08	6.96E-09	1.14E-08	1.80E-08	3.18E-09	2.00E-09	7.44E-08
2573	493380.5	3860343.11	1.13E-04	1.38E-04	1.21E-04	3.91E-08	1.18E-07	6.83E-08	8.36E-08	7.58E-08	3.46E-08	3.03E-08	1.30E-09	3.15E-08	6.95E-09	1.14E-08	1.80E-08	3.17E-09	2.00E-09	7.43E-08
2574	492880.5	3860393.11	1.09E-04	1.33E-04	1.17E-04	3.76E-08	1.14E-07	6.58E-08	8.06E-08	7.30E-08	3.33E-08	2.92E-08	1.26E-09	3.04E-08	6.70E-09	1.09E-08	1.74E-08	3.06E-09	1.93E-09	7.16E-08
2575	492930.5	3860393.11	1.09E-04	1.33E-04	1.17E-04	3.77E-08	1.14E-07	6.60E-08	8.08E-08	7.32E-08	3.34E-08	2.93E-08	1.26E-09	3.04E-08	6.72E-09	1.10E-08	1.74E-08	3.07E-09	1.93E-09	7.18E-08
2576	492980.5	3860393.11	1.09E-04	1.34E-04	1.17E-04	3.79E-08	1.14E-07	6.62E-08	8.11E-08	7.36E-08	3.36E-08	2.94E-08	1.27E-09	3.06E-08	6.75E-09	1.10E-08	1.75E-08	3.08E-09	1.94E-09	7.21E-08
2577	493030.5	3860393.11	1.10E-04	1.34E-04	1.18E-04	3.80E-08	1.15E-07	6.64E-08	8.13E-08	7.37E-08	3.36E-08	2.95E-08	1.27E-09	3.06E-08	6.76E-09	1.10E-08	1.75E-08	3.09E-09	1.95E-09	7.23E-08
2578	493080.5	3860393.11	1.10E-04	1.35E-04	1.18E-04	3.82E-08	1.15E-07	6.68E-08	8.18E-08	7.42E-08	3.38E-08	2.97E-08	1.28E-09	3.08E-08	6.80E-09	1.11E-08	1.76E-08	3.11E-09	1.96E-09	7.27E-08
2579	493130.5	3860393.11	1.10E-04	1.35E-04	1.18E-04	3.81E-08	1.15E-07	6.66E-08	8.16E-08	7.40E-08	3.38E-08	2.96E-08	1.27E-09	3.08E-08	6.79E-09	1.11E-08	1.76E-08	3.10E-09	1.95E-09	7.25E-08
2580	493180.5	3860393.11	1.10E-04	1.34E-04	1.18E-04	3.80E-08	1.15E-07	6.64E-08	8.13E-08	7.37E-08	3.36E-08	2.95E-08	1.27E-09	3.06E-08	6.76E-09	1.10E-08	1.75E-08	3.09E-09	1.94E-09	7.22E-08
2581	493230.5	3860393.11	1.10E-04	1.34E-04	1.18E-04	3.80E-08	1.15E-07	6.64E-08	8.13E-08	7.37E-08	3.36E-08	2.95E-08	1.27E-09	3.06E-08	6.76E-09	1.10E-08	1.75E-08	3.09E-09	1.94E-09	7.22E-08
2582	493280.5	3860393.11	1.10E-04	1.35E-04	1.18E-04	3.81E-08	1.15E-07	6.66E-08	8.15E-08	7.39E-08	3.37E-08	2.96E-08	1.27E-09	3.07E-08	6.78E-09	1.11E-08	1.76E-08	3.09E-09	1.95E-09	7.24E-08
2583	493330.5	3860393.11	1.10E-04	1.35E-04	1.18E-04	3.81E-08	1.15E-07	6.66E-08	8.16E-08	7.40E-08	3.38E-08	2.96E-08	1.27E-09	3.08E-08	6.79E-09	1.11E-08	1.76E-08	3.10E-09	1.95E-09	7.25E-08
2584	493380.5	3860393.11	1.10E-04	1.35E-04	1.18E-04	3.81E-08	1.15E-07	6.66E-08	8.16E-08	7.40E-08	3.38E-08	2.96E-08	1.27E-09	3.07E-08	6.78E-09	1.11E-08	1.76E-08	3.10E-09	1.95E-09	7.25E-08
2585	492880.5	3860443.11	1.06E-04	1.29E-04	1.13E-04	3.66E-08	1.11E-07	6.40E-08	7.84E-08	7.11E-08	3.24E-08	2.84E-08	1.22E-09	2.95E-08	6.52E-09	1.06E-08	1.69E-08	2.98E-09	1.87E-09	6.96E-08
2586	492930.5	3860443.11	1.06E-04	1.30E-04	1.14E-04	3.66E-08	1.11E-07	6.41E-08	7.85E-08	7.11E-08	3.24E-08	2.84E-08	1.22E-09	2.96E-08	6.52E-09	1.07E-08	1.69E-08	2.98E-09	1.88E-09	6.97E-08
2587	492980.5	3860443.11	1.06E-04	1.30E-04	1.14E-04	3.68E-08	1.11E-07	6.43E-08	7.87E-08	7.14E-08	3.26E-08	2.85E-08	1.23E-09	2.97E-08	6.55E-09	1.07E-08	1.70E-08	2.99E-09	1.88E-09	7.00E-08
2588	493030.5	3860443.11	1.07E-04	1.30E-04	1.14E-04	3.69E-08	1.11E-07	6.45E-08	7.90E-08	7.16E-08	3.27E-08	2.86E-08	1.23E-09	2.98E-08	6.57E-09	1.07E-08	1.70E-08	3.00E-09	1.89E-09	7.02E-08
2589	493080.5	3860443.11	1.07E-04	1.31E-04	1.14E-04	3.70E-08	1.12E-07	6.46E-08	7.91E-08	7.17E-08	3.27E-08	2.87E-08	1.23E-09	2.98E-08	6.58E-09	1.07E-08	1.70E-08	3.00E-09	1.89E-09	7.03E-08
2590	493130.5	3860443.11	1.07E-04	1.31E-04	1.15E-04	3.70E-08	1.12E-07	6.47E-08	7.92E-08	7.18E-08	3.28E-08	2.87E-08	1.24E-09	2.98E-08	6.58E-09	1.08E-08	1.71E-08	3.01E-09	1.89E-09	7.04E-08
2591	493180.5	3860443.11	1.06E-04	1.30E-04	1.14E-04	3.69E-08	1.11E-07	6.45E-08	7.90E-08	7.16E-08	3.27E-08	2.86E-08	1.23E-09	2.97E-08	6.56E-09	1.07E-08	1.70E-08	3.00E-09	1.89E-09	7.02E-08
2592	493230.5	3860443.11	1.07E-04	1.31E-04	1.15E-04	3.70E-08	1.12E-07	6.47E-08	7.92E-08	7.18E-08	3.28E-08	2.87E-08	1.24E-09	2.99E-08	6.59E-09	1.08E-08	1.71E-08	3.01E-09	1.89E-09	7.04E-08
2593	493280.5	3860443.11	1.07E-04	1.31E-04	1.15E-04	3.71E-08	1.12E-07	6.48E-08	7.94E-08	7.19E-08	3.28E-08	2.88E-08	1.24E-09	2.99E-08	6.60E-09	1.08E-08	1.71E-08	3.01E-09	1.90E-09	7.05E-08
2594	493330.5	3860443.11	1.07E-04	1.31E-04	1.15E-04	3.72E-08	1.12E-07	6.50E-08	7.96E-08	7.21E-08	3.29E-08	2.88E-08	1.24E-09	3.00E-08	6.62E-09	1.08E-08	1.71E-08	3.02E-09	1.90E-09	7.07E-08
2595	493380.5	3860443.11	1.07E-04	1.31E-04	1.15E-04	3.71E-08	1.12E-07	6.49E-08	7.95E-08	7.21E-08	3.29E-08	2.88E-08	1.24E-09	2.99E-08	6.61E-09	1.08E-08	1.71E-08	3.02E-09	1.90E-09	7.06E-08
2596	493180.5	3860493.11	1.04E-04	1.27E-04	1.11E-04	3.59E-08	1.09E-07	6.28E-08	7.69E-08	6.97E-08	3.18E-08	2.79E-08	1.20E-09	2.90E-08	6.40E-09	1.04E-08	1.66E-08	2.92E-09	1.84E-09	6.84E-08
2597	493230.5	3860493.11	1.04E-04	1.27E-04	1.12E-04	3.60E-08	1.09E-07	6.30E-08	7.71E-08	6.99E-08	3.19E-08	2.80E-08	1.20E-09	2.91E-08	6.41E-09	1.05E-08	1.66E-08	2.93E-09	1.84E-09	6.85E-08
2598	493280.5	3860493.11	1.04E-04	1.28E-04	1.12E-04	3.61E-08	1.09E-07	6.31E-08	7.73E-08	7.01E-08	3.20E-08	2.80E-08	1.21E-09	2.91E-08	6.43E-09	1.05E-08	1.67E-08	2.93E-09	1.85E-09	6.87E-08
2599	493330.5	3860493.11	1.04E-04	1.28E-04	1.12E-04	3.62E-08	1.09E-07	6.32E-08	7.74E-08	7.02E-08	3.20E-08	2.81E-08	1.21E-09	2.92E-08	6.44E-09	1.05E-08	1.67E-08	2.94E-09	1.85E-09	6.88E-08
2600	493380.5	3860493.11	1.04E-04	1.28E-04	1.12E-04	3.61E-08	1.09E-07	6.31E-08	7.73E-08	7.01E-08	3.20E-08	2.80E-08	1.21E-09	2.91E-08	6.43E-09	1.05E-08	1.67E-08	2.94E-09	1.85E-09	6.87E-08
2601	493330.5	3860543.11	1.02E-04	1.24E-04	1.09E-04	3.52E-08	1.06E-07	6.16E-08	7.54E-08	6.83E-08	3.12E-08	2.73E-08	1.18E-09	2.84E-08	6.27E-09	1.02E-08	1.62E-08	2.86E-09	1.80E-09	6.70E-08
2602	493380.5	3860543.11	1.02E-04	1.24E-04	1.09E-04	3.52E-08	1.06E-07	6.15E-08	7.53E-08	6.83E-08	3.12E-08	2.73E-08	1.18E-09	2.84E-08	6.26E-09	1.02E-08	1.62E-08	2.86E-09	1.80E-09	6.69E-08
2603	494135.94	3860876.85	8.59E-05	1.05E-04	9.22E-05	2.98E-08	8.99E-08	5.20E-08	6.37E-08	5.77E-08	2.63E-08	2.31E-08	9.94E-10	2.40E-08	5.30E-09	8.65E-09	1.37E-08	2.42E-09	1.52E-09	5.66E-08
2604	494185.94	3860876.85	8.59E-05	1.05E-04	9.22E-05	2.98E-08	8.99E-08	5.20E-08	6.37E-08	5.77E-08	2.63E-08	2.31E-08	9.94E-10	2.40E-08	5.30E-09	8.65E-09	1.37E-08	2.42E-09	1.52E-09	5.66E-08
2605	494135.94	3860926.85	8.38E-05	1.03E-04	8.99E-05	2.90E-08	8.77E-08	5.08E-08	6.22E-08	5.64E-08	2.57E-08	2.25E-08	9.70E-10	2.34E-08	5.17E-09	8.44E-09	1.34E-08	2.36E-09	1.49E-09	5.52E-08
2606	494185.94	3860926.85	8.39E-05	1.03E-04	9.00E-05	2.91E-08	8.77E-08	5.08E-08	6.22E-08	5.64E-08	2.57E-08	2.26E-08	9.70E-10	2.34E-08	5.17E-09	8.45E-09	1.34E-08	2.36E-09	1.49E-09	5.53E-08
2607	494135.94	3860976.85	8.18E-05	1.00E-04	8.78E-05	2.84E-08	8.56E-08	4.96E-08	6.07E-08	5.50E-08	2.51E-08	2.20E-08	9.47E-10	2.29E-08	5.05E-09	8.24E-09	1.31E-08	2.30E-09	1.45E-09	5.39E-08
2608	494185.94	3860976.85	8.19E-05	1.00E-04	8.79E-05	2.84E-08	8.57E-08	4.96E-08	6.07E-08	5.51E-08	2.51E-08	2.20E-08	9.47E-10	2.29E-08	5.05E-09	8.25E-09	1.31E-08	2.31E-09	1.45E-09	5.40E-08
2609	494135.94	3861026.85	7.98E-05	9.78E-05	8.57E-05	2.77E-08	8.35E-08	4.83E-08	5.92E-08	5.37E-08	2.45E-08	2.15E-08	9.24E-10	2.23E-08	4.92E-09	8.04E-09	1.28E-08	2.25E-09	1.42E-09	5.26E-08
2610	494185.94	3861026.85	7.99E-05	9.79E-05	8.58E-05	2.77E-08	8.36E-08	4.84E-08	5.93E-08	5.37E-08	2.45E-08	2.15E-08	9.25E-10	2.23E-08	4.93E-09	8.05E-09	1.28E-08	2.25E-09	1.42E-09	5.27E-08
2611	494135.94	3861076.85	7.79E-05	9.54E-05	8.36E-05	2.70E-08	8.15E-08	4.72E-08	5.78E-08	5.24E-08	2.39E-08	2.10E-08	9.02E-10	2.18E-08	4.81E-09	7.85E-09	1.24E-08	2.19E-09	1.38E-09	5.14E-08
2612	494185.94	3861076.85	7.80E-05	9.55E-05	8.37E-05	2.70E-08	8.16E-08	4.72E-08	5.79E-08	5.25E-08	2.39E-08	2.10E-08	9.03E-10	2.18E-08	4.81E-09	7.86E-09	1.25E-08	2.20E-09	1.38E-09	5.14E-08
2613	490360.04	3858710.04	4.22E-04	5.17E-04	4.54E-04	1.46E-07	4.42E-07	2.56E-07	3.13E-07	2.84E-07	1.30E-07	1.14E-07	4.89E-09	1.18E-07	2.60E-08	4.25E-08	6.75E-08	1.19E-08	7.50E-09	2.78E-07
2614	490410.04	3858710.04	4.15E-04	5.08E-04	4.46E-04	1.44E-07	4.34E-07	2.51E-07	3.08E-07	2.79E-07	1.27E-07	1.12E-07	4.80E-09	1.16E-07	2.56E-08	4.18E-08	6.63E-08	1.17E-08	7.37E-09	2.74E-07
2615	490460.04	3858710.04	4.07E-04	4.99E-04	4.38E-04	1.41E-07	4.26E-07	2.47E-07	3.02E-07	2.74E-07	1.25E-07	1.10E-07	4.71E-09	1.14E-07	2.51E-08	4.10E-08	6.51E-08	1.15E-08	7.23E-09	2.68E-07
2616	490510.04	3858710.04	4.00E-04	4.90E-04	4.30E-04	1.39E-07	4.19E-07	2.42E-07	2.97E-07	2.69E-07	1.23E-07	1.08E-07	4.63E-09	1.12E-07	2.47E-08	4.03E-08	6.40E-08	1.13E-08	7.11E-09	2.64E-07

2617	490560.04	3858710.04	3.94E-04	4.82E-04	4.23E-04	1.36E-07	4.12E-07	2.39E-07	2.92E-07	2.65E-07	1.21E-07	1.06E-07	4.56E-09	1.10E-07	2.43E-08	3.97E-08	6.29E-08	1.11E-08	6.99E-09	2.60E-07
2618	490610.04	3858710.04	3.88E-04	4.75E-04	4.16E-04	1.34E-07	4.06E-07	2.35E-07	2.88E-07	2.61E-07	1.19E-07	1.04E-07	4.48E-09	1.08E-07	2.39E-08	3.90E-08	6.19E-08	1.09E-08	6.88E-09	2.55E-07
2619	490660.04	3858710.04	3.82E-04	4.68E-04	4.10E-04	1.32E-07	4.00E-07	2.31E-07	2.83E-07	2.57E-07	1.17E-07	1.03E-07	4.42E-09	1.07E-07	2.36E-08	3.85E-08	6.11E-08	1.08E-08	6.78E-09	2.52E-07
2620	490710.04	3858710.04	3.76E-04	4.60E-04	4.04E-04	1.30E-07	3.93E-07	2.28E-07	2.79E-07	2.53E-07	1.15E-07	1.01E-07	4.35E-09	1.05E-07	2.32E-08	3.79E-08	6.01E-08	1.06E-08	6.67E-09	2.48E-07
2621	490760.04	3858710.04	3.70E-04	4.53E-04	3.97E-04	1.28E-07	3.87E-07	2.24E-07	2.74E-07	2.49E-07	1.14E-07	9.96E-08	4.28E-09	1.03E-07	2.28E-08	3.73E-08	5.91E-08	1.04E-08	6.57E-09	2.44E-07
2622	490810.04	3858710.04	3.64E-04	4.46E-04	3.91E-04	1.26E-07	3.81E-07	2.21E-07	2.70E-07	2.45E-07	1.12E-07	9.80E-08	4.21E-09	1.02E-07	2.25E-08	3.67E-08	5.82E-08	1.03E-08	6.47E-09	2.40E-07
2623	490860.04	3858710.04	3.58E-04	4.39E-04	3.85E-04	1.24E-07	3.75E-07	2.17E-07	2.66E-07	2.41E-07	1.10E-07	9.64E-08	4.15E-09	1.00E-07	2.21E-08	3.61E-08	5.72E-08	1.01E-08	6.36E-09	2.36E-07
2624	490360.04	3858760.04	4.08E-04	4.99E-04	4.38E-04	1.41E-07	4.27E-07	2.47E-07	3.03E-07	2.74E-07	1.25E-07	1.10E-07	4.72E-09	1.14E-07	2.52E-08	4.11E-08	6.52E-08	1.15E-08	7.24E-09	2.69E-07
2625	490410.04	3858760.04	4.01E-04	4.91E-04	4.31E-04	1.39E-07	4.19E-07	2.43E-07	2.97E-07	2.69E-07	1.23E-07	1.08E-07	4.64E-09	1.12E-07	2.47E-08	4.04E-08	6.40E-08	1.13E-08	7.12E-09	2.64E-07
2626	490460.04	3858760.04	3.94E-04	4.82E-04	4.23E-04	1.36E-07	4.12E-07	2.38E-07	2.92E-07	2.65E-07	1.21E-07	1.06E-07	4.55E-09	1.10E-07	2.43E-08	3.97E-08	6.29E-08	1.11E-08	6.99E-09	2.59E-07
2627	490510.04	3858760.04	3.87E-04	4.74E-04	4.15E-04	1.34E-07	4.05E-07	2.34E-07	2.87E-07	2.60E-07	1.19E-07	1.04E-07	4.47E-09	1.08E-07	2.38E-08	3.90E-08	6.18E-08	1.09E-08	6.87E-09	2.55E-07
2628	490560.04	3858760.04	3.80E-04	4.66E-04	4.09E-04	1.32E-07	3.98E-07	2.30E-07	2.82E-07	2.56E-07	1.17E-07	1.02E-07	4.40E-09	1.06E-07	2.35E-08	3.83E-08	6.08E-08	1.07E-08	6.75E-09	2.51E-07
2629	490610.04	3858760.04	3.74E-04	4.58E-04	4.02E-04	1.30E-07	3.91E-07	2.27E-07	2.78E-07	2.52E-07	1.15E-07	1.01E-07	4.33E-09	1.05E-07	2.31E-08	3.77E-08	5.98E-08	1.05E-08	6.64E-09	2.47E-07
2630	490660.04	3858760.04	3.68E-04	4.51E-04	3.96E-04	1.28E-07	3.85E-07	2.23E-07	2.73E-07	2.48E-07	1.13E-07	9.91E-08	4.26E-09	1.03E-07	2.27E-08	3.71E-08	5.88E-08	1.04E-08	6.54E-09	2.43E-07
2631	490710.04	3858760.04	3.63E-04	4.44E-04	3.89E-04	1.26E-07	3.79E-07	2.20E-07	2.69E-07	2.44E-07	1.11E-07	9.76E-08	4.20E-09	1.01E-07	2.24E-08	3.65E-08	5.79E-08	1.02E-08	6.44E-09	2.39E-07
2632	490760.04	3858760.04	3.57E-04	4.37E-04	3.83E-04	1.24E-07	3.73E-07	2.16E-07	2.65E-07	2.40E-07	1.09E-07	9.60E-08	4.13E-09	9.97E-08	2.20E-08	3.59E-08	5.70E-08	1.00E-08	6.33E-09	2.35E-07
2633	490810.04	3858760.04	3.51E-04	4.30E-04	3.77E-04	1.22E-07	3.67E-07	2.13E-07	2.61E-07	2.36E-07	1.08E-07	9.45E-08	4.06E-09	9.81E-08	2.17E-08	3.54E-08	5.61E-08	9.89E-09	6.23E-09	2.31E-07
2634	490860.04	3858760.04	3.46E-04	4.24E-04	3.72E-04	1.20E-07	3.62E-07	2.10E-07	2.57E-07	2.33E-07	1.06E-07	9.31E-08	4.00E-09	9.67E-08	2.13E-08	3.49E-08	5.53E-08	9.74E-09	6.14E-09	2.28E-07
2635	490360.04	3858810.04	3.92E-04	4.81E-04	4.22E-04	1.36E-07	4.10E-07	2.38E-07	2.91E-07	2.64E-07	1.20E-07	1.06E-07	4.54E-09	1.10E-07	2.42E-08	3.95E-08	6.27E-08	1.10E-08	6.97E-09	2.59E-07
2636	490410.04	3858810.04	3.86E-04	4.72E-04	4.14E-04	1.34E-07	4.03E-07	2.34E-07	2.86E-07	2.59E-07	1.18E-07	1.04E-07	4.46E-09	1.08E-07	2.38E-08	3.88E-08	6.16E-08	1.09E-08	6.85E-09	2.54E-07
2637	490460.04	3858810.04	3.79E-04	4.64E-04	4.07E-04	1.31E-07	3.96E-07	2.30E-07	2.81E-07	2.55E-07	1.16E-07	1.02E-07	4.38E-09	1.06E-07	2.34E-08	3.82E-08	6.06E-08	1.07E-08	6.73E-09	2.50E-07
2638	490510.04	3858810.04	3.73E-04	4.57E-04	4.01E-04	1.29E-07	3.90E-07	2.26E-07	2.77E-07	2.51E-07	1.14E-07	1.00E-07	4.32E-09	1.04E-07	2.30E-08	3.76E-08	5.96E-08	1.05E-08	6.62E-09	2.46E-07
2639	490560.04	3858810.04	3.67E-04	4.50E-04	3.94E-04	1.27E-07	3.84E-07	2.22E-07	2.72E-07	2.47E-07	1.13E-07	9.88E-08	4.25E-09	1.03E-07	2.26E-08	3.70E-08	5.86E-08	1.03E-08	6.52E-09	2.42E-07
2640	490610.04	3858810.04	3.61E-04	4.42E-04	3.88E-04	1.25E-07	3.77E-07	2.19E-07	2.68E-07	2.43E-07	1.11E-07	9.71E-08	4.17E-09	1.01E-07	2.23E-08	3.63E-08	5.76E-08	1.02E-08	6.41E-09	2.38E-07
2641	490660.04	3858810.04	3.55E-04	4.35E-04	3.81E-04	1.23E-07	3.72E-07	2.15E-07	2.63E-07	2.39E-07	1.09E-07	9.56E-08	4.11E-09	9.92E-08	2.19E-08	3.58E-08	5.67E-08	1.00E-08	6.30E-09	2.34E-07
2642	490710.04	3858810.04	3.49E-04	4.28E-04	3.75E-04	1.21E-07	3.66E-07	2.12E-07	2.59E-07	2.35E-07	1.07E-07	9.40E-08	4.04E-09	9.77E-08	2.15E-08	3.52E-08	5.58E-08	9.84E-09	6.20E-09	2.30E-07
2643	490760.04	3858810.04	3.43E-04	4.20E-04	3.69E-04	1.19E-07	3.59E-07	2.08E-07	2.55E-07	2.31E-07	1.05E-07	9.24E-08	3.97E-09	9.59E-08	2.12E-08	3.46E-08	5.48E-08	9.67E-09	6.09E-09	2.26E-07
2644	490810.04	3858810.04	3.39E-04	4.15E-04	3.64E-04	1.17E-07	3.55E-07	2.05E-07	2.51E-07	2.28E-07	1.04E-07	9.12E-08	3.92E-09	9.47E-08	2.09E-08	3.41E-08	5.41E-08	9.54E-09	6.01E-09	2.23E-07
2645	490860.04	3858810.04	3.33E-04	4.08E-04	3.58E-04	1.16E-07	3.49E-07	2.02E-07	2.47E-07	2.24E-07	1.02E-07	8.98E-08	3.86E-09	9.32E-08	2.06E-08	3.36E-08	5.33E-08	9.39E-09	5.92E-09	2.20E-07
2646	490360.04	3858860.04	3.76E-04	4.61E-04	4.04E-04	1.30E-07	3.93E-07	2.28E-07	2.79E-07	2.53E-07	1.15E-07	1.01E-07	4.35E-09	1.05E-07	2.32E-08	3.79E-08	6.01E-08	1.06E-08	6.68E-09	2.48E-07
2647	490410.04	3858860.04	3.70E-04	4.54E-04	3.98E-04	1.28E-07	3.88E-07	2.24E-07	2.75E-07	2.49E-07	1.14E-07	9.97E-08	4.29E-09	1.04E-07	2.28E-08	3.73E-08	5.92E-08	1.04E-08	6.58E-09	2.44E-07
2648	490460.04	3858860.04	3.64E-04	4.46E-04	3.91E-04	1.26E-07	3.81E-07	2.21E-07	2.70E-07	2.45E-07	1.12E-07	9.80E-08	4.21E-09	1.02E-07	2.25E-08	3.67E-08	5.82E-08	1.03E-08	6.47E-09	2.40E-07
2649	490510.04	3858860.04	3.59E-04	4.40E-04	3.86E-04	1.24E-07	3.76E-07	2.17E-07	2.66E-07	2.41E-07	1.10E-07	9.66E-08	4.15E-09	1.00E-07	2.21E-08	3.62E-08	5.74E-08	1.01E-08	6.37E-09	2.37E-07
2650	490560.04	3858860.04	3.53E-04	4.33E-04	3.79E-04	1.22E-07	3.70E-07	2.14E-07	2.62E-07	2.38E-07	1.08E-07	9.51E-08	4.09E-09	9.87E-08	2.18E-08	3.56E-08	5.64E-08	9.95E-09	6.27E-09	2.33E-07
2651	490610.04	3858860.04	3.47E-04	4.25E-04	3.73E-04	1.20E-07	3.63E-07	2.10E-07	2.57E-07	2.33E-07	1.06E-07	9.33E-08	4.01E-09	9.69E-08	2.14E-08	3.49E-08	5.54E-08	9.77E-09	6.16E-09	2.29E-07
2652	490660.04	3858860.04	3.42E-04	4.18E-04	3.67E-04	1.18E-07	3.57E-07	2.07E-07	2.53E-07	2.30E-07	1.05E-07	9.19E-08	3.95E-09	9.55E-08	2.11E-08	3.44E-08	5.46E-08	9.62E-09	6.06E-09	2.25E-07
2653	490710.04	3858860.04	3.37E-04	4.13E-04	3.62E-04	1.17E-07	3.53E-07	2.04E-07	2.50E-07	2.27E-07	1.03E-07	9.07E-08	3.90E-09	9.42E-08	2.08E-08	3.39E-08	5.38E-08	9.49E-09	5.98E-09	2.22E-07
2654	490760.04	3858860.04	3.31E-04	4.06E-04	3.56E-04	1.15E-07	3.47E-07	2.01E-07	2.46E-07	2.23E-07	1.02E-07	8.92E-08	3.83E-09	9.26E-08	2.04E-08	3.34E-08	5.29E-08	9.33E-09	5.88E-09	2.18E-07
2655	490810.04	3858860.04	3.26E-04	3.99E-04	3.50E-04	1.13E-07	3.41E-07	1.97E-07	2.42E-07	2.19E-07	1.00E-07	8.77E-08	3.77E-09	9.11E-08	2.01E-08	3.28E-08	5.21E-08	9.18E-09	5.79E-09	2.15E-07
2656	490860.04	3858860.04	3.21E-04	3.93E-04	3.44E-04	1.11E-07	3.35E-07	1.94E-07	2.38E-07	2.16E-07	9.84E-08	8.63E-08	3.71E-09	8.96E-08	1.98E-08	3.23E-08	5.12E-08	9.03E-09	5.69E-09	2.11E-07
2657	490360.04	3858910.04	3.61E-04	4.42E-04	3.88E-04	1.25E-07	3.77E-07	2.19E-07	2.68E-07	2.43E-07	1.11E-07	9.71E-08	4.17E-09	1.01E-07	2.23E-08	3.63E-08	5.77E-08	1.02E-08	6.41E-09	2.38E-07
2658	490410.04	3858910.04	3.55E-04	4.35E-04	3.82E-04	1.23E-07	3.72E-07	2.15E-07	2.64E-07	2.39E-07	1.09E-07	9.57E-08	4.11E-09	9.93E-08	2.19E-08	3.58E-08	5.68E-08	1.00E-08	6.31E-09	2.34E-07
2659	490460.04	3858910.04	3.50E-04	4.28E-04	3.76E-04	1.21E-07	3.66E-07	2.12E-07	2.60E-07	2.35E-07	1.07E-07	9.42E-08	4.05E-09	9.78E-08	2.16E-08	3.52E-08	5.59E-08	9.85E-09	6.21E-09	2.31E-07
2660	490510.04	3858910.04	3.44E-04	4.22E-04	3.70E-04	1.19E-07	3.60E-07	2.09E-07	2.55E-07	2.32E-07	1.06E-07	9.27E-08	3.98E-09	9.62E-08	2.12E-08	3.47E-08	5.50E-08	9.70E-09	6.11E-09	2.27E-07
2661	490560.04	3858910.04	3.39E-04	4.15E-04	3.64E-04	1.17E-07	3.54E-07	2.05E-07	2.51E-07	2.28E-07	1.04E-07	9.12E-08	3.92E-09	9.47E-08	2.09E-08	3.41E-08	5.41E-08	9.54E-09	6.01E-09	2.23E-07
2662	490610.04	3858910.04	3.33E-04	4.08E-04	3.58E-04	1.15E-07	3.49E-07	2.02E-07	2.47E-07	2.24E-07	1.02E-07	8.97E-08	3.86E-09	9.31E-08	2.05E-08	3.36E-08	5.32E-08	9.38E-09	5.92E-09	2.20E-07
2663	490660.04	3858910.04	3.28E-04	4.02E-04	3.53E-04	1.14E-07	3.43E-07	1.99E-07	2.44E-07	2.21E-07	1.01E-07	8.84E-08	3.80E-09	9.18E-08	2.02E-08	3.31E-08	5.25E-08	9.24E-09	5.83E-09	2.16E-07
2664	490710.04	3858910.04	3.23E-04	3.96E-04	3.47E-04	1.12E-07	3.38E-07	1.96E-07	2.40E-07	2.17E-07	9.92E-08	8.70E-08	3.74E-09	9.03E-08	1.99E-08	3.25E-08	5.16E-08	9.10E-09	5.74E-09	2.13E-07
2665	490760.04	3858910.04	3.18E-04	3.89E-04	3.41E-04	1.10E-07	3.32E-07	1.92E-07	2.36E-07	2.14E-07	9.75E-08	8.55E-08	3.68E-09	8.88E-08	1.96E-08	3.20E-08	5.08E-08	8.95E-09	5.64E-09	2.09E-07
2666	490810.04	3858910.04	3.13E-04	3.83E-04	3.36E-04	1.09E-07	3.28E-07	1.90E-07	2.32E-07	2.11E-07	9.61E-08	8.43E-08	3.62E-09	8.75E-08	1.93E-08	3.15E-08	5.00E-08	8.82E-09	5.56E-09	2.06E-07
2667	490860.04	3858910.04	3.08E-04	3.77E-04	3.30E-04	1.07E-07	3.22E-07	1.86E-07	2.28E-07	2.07E-07	9.44E-08	8.28E-08	3.56E-09	8.60E-08	1.90E-08	3.10E-08	4.92E-08	8.67E-09	5.46E-09	2.03E-07
2668	490360.04	3858960.04	3.45E-04	4.22E-04	3.70E-04	1.19E-07	3.61E-07	2.09E-07	2.56E-07	2.32E-07	1.06E-07	9.28E-08	3.99E-09	9.64E-08	2.13E-08	3.47E-08	5.51E-08	9.71E-09	6.12E-09	2.27E-07
2669	490410.04	3858960.04	3.40E-04	4.16E-04	3.65E-04	1.18E-07	3.55E-07	2.06E-07	2.52E-07	2.28E-07	1.04E-07	9.14E-08	3.93E-09	9.49E-08	2.09E-08	3.42E-08	5.43E-08	9.56E-09	6.03E-09	2.24E-07
2670	490460.04	3858960.04	3.34E-04	4.09E-04	3.59E-04	1.16E-07	3.50E-07	2.02E-07	2.48E-07	2.25E-07	1.03E-07	9.00E-08	3.87E-09	9.34E-08	2.06E-08	3.37E-08	5.34E-08	9.41E-09	5.94E-09	2.20E-07
2671	490510.04	3858960.04	3.29E-04	4.03E-04	3.54E-04	1.14E-07	3.45E-07	1.99E-07	2.44E-07	2.21E-07	1.01E-07	8.86E-08	3.81E-09	9.20E-08	2.03E-08	3.32E-08	5.26E-08	9.27E-09	5.85E-09	2.17E-07
2672	490560.04	3858960.04	3.24E-04	3.97E-04	3.49E-04	1.12E-07	3.39E-07	1.97E-07	2.41E-07	2.18E-07	9.96E-08	8.73E-08	3.75E-09	9.07E-08	2.00E-08	3.27E-08	5.18E-08	9.14E-09	5.76E-09	2.14E-07
2673	490610.04	3858960.04	3.19E-04	3.91E-04	3.43E-04	1.11E-07	3.34E-07	1.93E-07	2.37E-07	2.14E-07	9.79E-08	8.58E-08	3.69E-09	8.91E-08	1.97E-08	3.21E-08	5.10E-08	8.98E-09	5.66E-09	2.10E-07
2674	490660.04	3858960.04	3.15E-04	3.86E-04	3.38E-04	1.09E-07	3.30E-07	1.91E-07	2.34E-07	2.12E-07	9.67E-08	8.48E-08	3.65E-09	8.81E-08	1.94E-08	3.17E-08	5.04E-08	8.87E-09	5.59E-09	2.08E-07
2675	490710.04	3858960.04	3.10E-04	3.80E-04	3.33E-04	1.07E-07	3.24E-07	1.88E-07	2.30E-07	2.08E-07	9.51E-08	8.34E-08	3.59E-09	8.66E-08	1.91E-08	3.12E-08	4.95E-08	8.73E-09	5.50E-09	2.04E-07
2676	490760.04	3858960.04	3.05E-04	3.74E-04	3.28E-04	1.06E-07	3.19E-07	1.85E-07	2.26E-07	2.05E-07	9.36E-08	8.21E-08	3.53E-09	8.53E-08	1.88E-08	3.07E-08	4.87E-08	8.59E-09	5.41E-09	2.01E-07
2677	490810.04	3858960.04	3.00E-04	3.68E-04	3.22E-04	1.04E-07	3.14E-07	1.82E-07	2.23E-07	2.02E-07	9.21E-08	8.08E-08	3.47E-09	8.39E-08	1.85E-08	3.02E-08	4.80E-08	8.45E-09	5.33E-09	1.98E-07

2678	490860.04	3858960.04	2.95E-04	3.61E-04	3.17E-04	1.02E-07	3.09E-07	1.79E-07	2.19E-07	1.98E-07	9.05E-08	7.94E-08	3.41E-09	8.24E-08	1.82E-08	2.97E-08	4.71E-08	8.31E-09	5.23E-09	1.94E-07
2679	490360.04	3859010.04	3.29E-04	4.03E-04	3.53E-04	1.14E-07	3.44E-07	1.99E-07	2.44E-07	2.21E-07	1.01E-07	8.85E-08	3.80E-09	9.19E-08	2.03E-08	3.31E-08	5.25E-08	9.26E-09	5.84E-09	2.17E-07
2680	490410.04	3859010.04	3.24E-04	3.97E-04	3.48E-04	1.12E-07	3.39E-07	1.96E-07	2.40E-07	2.18E-07	9.94E-08	8.72E-08	3.75E-09	9.06E-08	2.00E-08	3.26E-08	5.18E-08	9.12E-09	5.75E-09	2.14E-07
2681	490460.04	3859010.04	3.19E-04	3.90E-04	3.42E-04	1.10E-07	3.33E-07	1.93E-07	2.36E-07	2.14E-07	9.78E-08	8.58E-08	3.69E-09	8.91E-08	1.97E-08	3.21E-08	5.09E-08	8.98E-09	5.66E-09	2.10E-07
2682	490510.04	3859010.04	3.13E-04	3.84E-04	3.37E-04	1.09E-07	3.28E-07	1.90E-07	2.33E-07	2.11E-07	9.62E-08	8.44E-08	3.63E-09	8.76E-08	1.93E-08	3.16E-08	5.01E-08	8.83E-09	5.57E-09	2.07E-07
2683	490560.04	3859010.04	3.10E-04	3.79E-04	3.33E-04	1.07E-07	3.24E-07	1.88E-07	2.30E-07	2.08E-07	9.50E-08	8.34E-08	3.58E-09	8.66E-08	1.91E-08	3.12E-08	4.95E-08	8.72E-09	5.50E-09	2.04E-07
2684	490610.04	3859010.04	3.05E-04	3.73E-04	3.27E-04	1.06E-07	3.19E-07	1.85E-07	2.26E-07	2.05E-07	9.35E-08	8.20E-08	3.53E-09	8.52E-08	1.88E-08	3.07E-08	4.87E-08	8.58E-09	5.41E-09	2.01E-07
2685	490660.04	3859010.04	3.01E-04	3.69E-04	3.24E-04	1.04E-07	3.15E-07	1.83E-07	2.24E-07	2.03E-07	9.25E-08	8.11E-08	3.49E-09	8.43E-08	1.86E-08	3.04E-08	4.82E-08	8.49E-09	5.35E-09	1.99E-07
2686	490710.04	3859010.04	2.96E-04	3.63E-04	3.18E-04	1.03E-07	3.10E-07	1.80E-07	2.20E-07	1.99E-07	9.10E-08	7.98E-08	3.43E-09	8.29E-08	1.83E-08	2.99E-08	4.74E-08	8.35E-09	5.26E-09	1.95E-07
2687	490760.04	3859010.04	2.92E-04	3.57E-04	3.13E-04	1.01E-07	3.05E-07	1.77E-07	2.16E-07	1.96E-07	8.95E-08	7.85E-08	3.38E-09	8.16E-08	1.80E-08	2.94E-08	4.66E-08	8.22E-09	5.18E-09	1.92E-07
2688	490810.04	3859010.04	2.87E-04	3.52E-04	3.08E-04	9.95E-08	3.00E-07	1.74E-07	2.13E-07	1.93E-07	8.81E-08	7.72E-08	3.32E-09	8.02E-08	1.77E-08	2.89E-08	4.59E-08	8.08E-09	5.10E-09	1.89E-07
2689	490860.04	3859010.04	2.83E-04	3.46E-04	3.04E-04	9.80E-08	2.96E-07	1.71E-07	2.10E-07	1.90E-07	8.68E-08	7.61E-08	3.27E-09	7.90E-08	1.74E-08	2.85E-08	4.52E-08	7.96E-09	5.02E-09	1.86E-07
2690	490360.04	3859060.04	3.13E-04	3.83E-04	3.36E-04	1.08E-07	3.27E-07	1.89E-07	2.32E-07	2.10E-07	9.60E-08	8.42E-08	3.62E-09	8.74E-08	1.93E-08	3.15E-08	5.00E-08	8.81E-09	5.56E-09	2.06E-07
2691	490410.04	3859060.04	3.08E-04	3.77E-04	3.31E-04	1.07E-07	3.22E-07	1.86E-07	2.28E-07	2.07E-07	9.45E-08	8.29E-08	3.56E-09	8.60E-08	1.90E-08	3.10E-08	4.92E-08	8.67E-09	5.47E-09	2.03E-07
2692	490460.04	3859060.04	3.03E-04	3.71E-04	3.26E-04	1.05E-07	3.17E-07	1.84E-07	2.25E-07	2.04E-07	9.31E-08	8.16E-08	3.51E-09	8.48E-08	1.87E-08	3.06E-08	4.85E-08	8.54E-09	5.39E-09	2.00E-07
2693	490510.04	3859060.04	2.99E-04	3.66E-04	3.21E-04	1.04E-07	3.13E-07	1.81E-07	2.22E-07	2.01E-07	9.18E-08	8.05E-08	3.46E-09	8.36E-08	1.84E-08	3.01E-08	4.78E-08	8.42E-09	5.31E-09	1.97E-07
2694	490560.04	3859060.04	2.94E-04	3.61E-04	3.16E-04	1.02E-07	3.08E-07	1.78E-07	2.18E-07	1.98E-07	9.04E-08	7.92E-08	3.41E-09	8.23E-08	1.82E-08	2.97E-08	4.70E-08	8.29E-09	5.23E-09	1.94E-07
2695	490610.04	3859060.04	2.91E-04	3.56E-04	3.12E-04	1.01E-07	3.04E-07	1.76E-07	2.16E-07	1.96E-07	8.93E-08	7.83E-08	3.37E-09	8.13E-08	1.79E-08	2.93E-08	4.65E-08	8.19E-09	5.16E-09	1.92E-07
2696	490660.04	3859060.04	2.87E-04	3.52E-04	3.09E-04	9.96E-08	3.01E-07	1.74E-07	2.13E-07	1.93E-07	8.82E-08	7.74E-08	3.33E-09	8.04E-08	1.77E-08	2.90E-08	4.59E-08	8.10E-09	5.10E-09	1.90E-07
2697	490710.04	3859060.04	2.83E-04	3.46E-04	3.04E-04	9.80E-08	2.96E-07	1.71E-07	2.10E-07	1.90E-07	8.68E-08	7.61E-08	3.27E-09	7.90E-08	1.74E-08	2.85E-08	4.52E-08	7.96E-09	5.02E-09	1.86E-07
2698	490760.04	3859060.04	2.78E-04	3.41E-04	2.99E-04	9.65E-08	2.91E-07	1.69E-07	2.07E-07	1.87E-07	8.54E-08	7.49E-08	3.22E-09	7.78E-08	1.72E-08	2.80E-08	4.45E-08	7.84E-09	4.94E-09	1.84E-07
2699	490810.04	3859060.04	2.74E-04	3.36E-04	2.94E-04	9.49E-08	2.87E-07	1.66E-07	2.03E-07	1.84E-07	8.41E-08	7.37E-08	3.17E-09	7.66E-08	1.69E-08	2.76E-08	4.38E-08	7.72E-09	4.86E-09	1.81E-07
2700	490860.04	3859060.04	2.70E-04	3.30E-04	2.90E-04	9.35E-08	2.82E-07	1.63E-07	2.00E-07	1.81E-07	8.28E-08	7.26E-08	3.12E-09	7.54E-08	1.66E-08	2.72E-08	4.31E-08	7.60E-09	4.79E-09	1.78E-07
2701	490360.04	3859110.04	2.98E-04	3.65E-04	3.20E-04	1.03E-07	3.11E-07	1.80E-07	2.21E-07	2.00E-07	9.13E-08	8.01E-08	3.44E-09	8.32E-08	1.84E-08	3.00E-08	4.76E-08	8.38E-09	5.29E-09	1.96E-07
2702	490410.04	3859110.04	2.93E-04	3.59E-04	3.15E-04	1.02E-07	3.07E-07	1.78E-07	2.18E-07	1.97E-07	9.00E-08	7.89E-08	3.39E-09	8.20E-08	1.81E-08	2.95E-08	4.69E-08	8.26E-09	5.21E-09	1.93E-07
2703	490460.04	3859110.04	2.90E-04	3.55E-04	3.11E-04	1.00E-07	3.03E-07	1.75E-07	2.15E-07	1.95E-07	8.89E-08	7.80E-08	3.35E-09	8.10E-08	1.79E-08	2.92E-08	4.63E-08	8.16E-09	5.14E-09	1.91E-07
2704	490510.04	3859110.04	2.84E-04	3.48E-04	3.05E-04	9.85E-08	2.97E-07	1.72E-07	2.11E-07	1.91E-07	8.72E-08	7.65E-08	3.29E-09	7.95E-08	1.75E-08	2.86E-08	4.54E-08	8.01E-09	5.05E-09	1.87E-07
2705	490560.04	3859110.04	2.80E-04	3.44E-04	3.01E-04	9.72E-08	2.93E-07	1.70E-07	2.08E-07	1.89E-07	8.61E-08	7.55E-08	3.25E-09	7.84E-08	1.73E-08	2.83E-08	4.48E-08	7.90E-09	4.98E-09	1.85E-07
2706	490610.04	3859110.04	2.76E-04	3.38E-04	2.97E-04	9.58E-08	2.89E-07	1.67E-07	2.05E-07	1.86E-07	8.48E-08	7.44E-08	3.20E-09	7.73E-08	1.70E-08	2.78E-08	4.42E-08	7.78E-09	4.91E-09	1.82E-07
2707	490660.04	3859110.04	2.72E-04	3.33E-04	2.92E-04	9.42E-08	2.84E-07	1.65E-07	2.02E-07	1.83E-07	8.34E-08	7.32E-08	3.15E-09	7.60E-08	1.68E-08	2.74E-08	4.34E-08	7.66E-09	4.83E-09	1.79E-07
2708	490710.04	3859110.04	2.69E-04	3.29E-04	2.89E-04	9.31E-08	2.81E-07	1.63E-07	1.99E-07	1.81E-07	8.25E-08	7.23E-08	3.11E-09	7.51E-08	1.66E-08	2.71E-08	4.29E-08	7.57E-09	4.77E-09	1.77E-07
2709	490760.04	3859110.04	2.65E-04	3.25E-04	2.85E-04	9.18E-08	2.77E-07	1.60E-07	1.97E-07	1.78E-07	8.13E-08	7.13E-08	3.07E-09	7.41E-08	1.63E-08	2.67E-08	4.23E-08	7.46E-09	4.70E-09	1.75E-07
2710	490810.04	3859110.04	2.61E-04	3.19E-04	2.80E-04	9.03E-08	2.73E-07	1.58E-07	1.93E-07	1.75E-07	8.00E-08	7.01E-08	3.02E-09	7.28E-08	1.61E-08	2.62E-08	4.16E-08	7.34E-09	4.62E-09	1.72E-07
2711	490860.04	3859110.04	2.56E-04	3.14E-04	2.75E-04	8.88E-08	2.68E-07	1.55E-07	1.90E-07	1.72E-07	7.87E-08	6.90E-08	2.97E-09	7.17E-08	1.58E-08	2.58E-08	4.10E-08	7.22E-09	4.55E-09	1.69E-07
2712	490360.04	3859160.04	2.83E-04	3.47E-04	3.04E-04	9.81E-08	2.96E-07	1.71E-07	2.10E-07	1.90E-07	8.69E-08	7.62E-08	3.28E-09	7.91E-08	1.75E-08	2.85E-08	4.52E-08	7.97E-09	5.03E-09	1.87E-07
2713	490410.04	3859160.04	2.79E-04	3.42E-04	3.00E-04	9.68E-08	2.92E-07	1.69E-07	2.07E-07	1.88E-07	8.57E-08	7.52E-08	3.23E-09	7.81E-08	1.72E-08	2.81E-08	4.46E-08	7.87E-09	4.96E-09	1.84E-07
2714	490460.04	3859160.04	2.76E-04	3.38E-04	2.96E-04	9.56E-08	2.89E-07	1.67E-07	2.05E-07	1.86E-07	8.47E-08	7.43E-08	3.19E-09	7.71E-08	1.70E-08	2.78E-08	4.41E-08	7.77E-09	4.90E-09	1.82E-07
2715	490510.04	3859160.04	2.72E-04	3.33E-04	2.92E-04	9.43E-08	2.85E-07	1.65E-07	2.02E-07	1.83E-07	8.35E-08	7.32E-08	3.15E-09	7.61E-08	1.68E-08	2.74E-08	4.35E-08	7.66E-09	4.83E-09	1.79E-07
2716	490560.04	3859160.04	2.68E-04	3.28E-04	2.88E-04	9.28E-08	2.80E-07	1.62E-07	1.99E-07	1.80E-07	8.22E-08	7.20E-08	3.10E-09	7.48E-08	1.65E-08	2.70E-08	4.28E-08	7.54E-09	4.75E-09	1.76E-07
2717	490610.04	3859160.04	2.64E-04	3.24E-04	2.84E-04	9.16E-08	2.77E-07	1.60E-07	1.96E-07	1.78E-07	8.11E-08	7.12E-08	3.06E-09	7.39E-08	1.63E-08	2.66E-08	4.23E-08	7.45E-09	4.69E-09	1.74E-07
2718	490660.04	3859160.04	2.58E-04	3.16E-04	2.77E-04	8.95E-08	2.70E-07	1.56E-07	1.92E-07	1.74E-07	7.93E-08	6.95E-08	2.99E-09	7.22E-08	1.59E-08	2.60E-08	4.13E-08	7.27E-09	4.58E-09	1.70E-07
2719	490710.04	3859160.04	2.55E-04	3.13E-04	2.74E-04	8.85E-08	2.67E-07	1.55E-07	1.89E-07	1.72E-07	7.84E-08	6.87E-08	2.95E-09	7.14E-08	1.57E-08	2.57E-08	4.08E-08	7.19E-09	4.53E-09	1.68E-07
2720	490760.04	3859160.04	2.50E-04	3.07E-04	2.69E-04	8.68E-08	2.62E-07	1.52E-07	1.86E-07	1.68E-07	7.69E-08	6.74E-08	2.90E-09	7.00E-08	1.54E-08	2.52E-08	4.00E-08	7.05E-09	4.44E-09	1.65E-07
2721	490810.04	3859160.04	2.47E-04	3.03E-04	2.66E-04	8.58E-08	2.59E-07	1.50E-07	1.84E-07	1.66E-07	7.60E-08	6.66E-08	2.86E-09	6.92E-08	1.53E-08	2.49E-08	3.96E-08	6.97E-09	4.39E-09	1.63E-07
2722	490860.04	3859160.04	2.44E-04	2.99E-04	2.62E-04	8.46E-08	2.56E-07	1.48E-07	1.81E-07	1.64E-07	7.50E-08	6.57E-08	2.83E-09	6.83E-08	1.51E-08	2.46E-08	3.90E-08	6.88E-09	4.33E-09	1.61E-07
2723	490360.04	3859210.04	2.69E-04	3.29E-04	2.89E-04	9.32E-08	2.81E-07	1.63E-07	2.00E-07	1.81E-07	8.26E-08	7.24E-08	3.11E-09	7.52E-08	1.66E-08	2.71E-08	4.30E-08	7.58E-09	4.78E-09	1.77E-07
2724	490410.04	3859210.04	2.67E-04	3.27E-04	2.87E-04	9.25E-08	2.79E-07	1.62E-07	1.98E-07	1.79E-07	8.19E-08	7.18E-08	3.09E-09	7.46E-08	1.65E-08	2.69E-08	4.26E-08	7.51E-09	4.74E-09	1.76E-07
2725	490460.04	3859210.04	2.63E-04	3.22E-04	2.82E-04	9.10E-08	2.75E-07	1.59E-07	1.95E-07	1.77E-07	8.06E-08	7.07E-08	3.04E-09	7.34E-08	1.62E-08	2.65E-08	4.20E-08	7.40E-09	4.66E-09	1.73E-07
2726	490510.04	3859210.04	2.59E-04	3.18E-04	2.79E-04	8.98E-08	2.71E-07	1.57E-07	1.92E-07	1.74E-07	7.96E-08	6.98E-08	3.00E-09	7.25E-08	1.60E-08	2.61E-08	4.14E-08	7.30E-09	4.60E-09	1.71E-07
2727	490560.04	3859210.04	2.57E-04	3.14E-04	2.76E-04	8.89E-08	2.68E-07	1.55E-07	1.90E-07	1.73E-07	7.87E-08	6.91E-08	2.97E-09	7.17E-08	1.58E-08	2.58E-08	4.10E-08	7.23E-09	4.55E-09	1.69E-07
2728	490610.04	3859210.04	2.53E-04	3.10E-04	2.72E-04	8.77E-08	2.65E-07	1.53E-07	1.88E-07	1.70E-07	7.77E-08	6.81E-08	2.93E-09	7.07E-08	1.56E-08	2.55E-08	4.04E-08	7.13E-09	4.49E-09	1.67E-07
2729	490660.04	3859210.04	2.48E-04	3.04E-04	2.66E-04	8.59E-08	2.59E-07	1.50E-07	1.84E-07	1.67E-07	7.61E-08	6.67E-08	2.87E-09	6.93E-08	1.53E-08	2.50E-08	3.96E-08	6.98E-09	4.40E-09	1.63E-07
2730	490710.04	3859210.04	2.45E-04	3.00E-04	2.63E-04	8.48E-08	2.56E-07	1.48E-07	1.81E-07	1.65E-07	7.51E-08	6.58E-08	2.83E-09	6.84E-08	1.51E-08	2.46E-08	3.91E-08	6.89E-09	4.34E-09	1.61E-07
2731	490760.04	3859210.04	2.40E-04	2.94E-04	2.58E-04	8.32E-08	2.51E-07	1.45E-07	1.78E-07	1.61E-07	7.37E-08	6.46E-08	2.78E-09	6.71E-08	1.48E-08	2.42E-08	3.84E-08	6.76E-09	4.26E-09	1.58E-07
2732	490810.04	3859210.04	2.39E-04	2.93E-04	2.57E-04	8.28E-08	2.50E-07	1.45E-07	1.77E-07	1.61E-07	7.33E-08	6.43E-08	2.76E-09	6.68E-08	1.47E-08	2.41E-08	3.82E-08	6.73E-09	4.24E-09	1.57E-07
2733	490860.04	3859210.04	2.37E-04	2.91E-04	2.55E-04	8.23E-08	2.48E-07	1.44E-07	1.76E-07	1.60E-07	7.29E-08	6.39E-08	2.75E-09	6.64E-08	1.46E-08	2.39E-08	3.80E-08	6.69E-09	4.21E-09	1.57E-07
2734	490360.04	3859260.04	2.55E-04	3.13E-04	2.75E-04	8.85E-08	2.67E-07	1.55E-07	1.90E-07	1.72E-07	7.84E-08	6.88E-08	2.96E-09	7.14E-08	1.58E-08	2.57E-08	4.08E-08	7.20E-09	4.54E-09	1.68E-07
2735	490410.04	3859260.04	2.53E-04	3.10E-04	2.72E-04	8.78E-08	2.65E-07	1.53E-07	1.88E-07	1.70E-07	7.78E-08	6.82E-08	2.93E-09	7.08E-08	1.56E-08	2.55E-08	4.05E-08	7.14E-09	4.50E-09	1.67E-07
2736	490460.04	3859260.04	2.51E-04	3.08E-04	2.70E-04	8.72E-08	2.63E-07	1.52E-07	1.87E-07	1.69E-07	7.72E-08	6.77E-08	2.91E-09	7.03E-08	1.55E-08	2.53E-08	4.02E-08	7.08E-09	4.47E-09	1.66E-07
2737	490510.04	3859260.04	2.50E-04	3.06E-04	2.68E-04	8.65E-08	2.61E-07	1.51E-07	1.85E-07	1.68E-07	7.66E-08	6.72E-08	2.89E-09	6.97E-08	1.54E-08	2.51E-08	3.99E-08	7.03E-09	4.43E-09	1.64E-07
2738	490560.04	3859260.04	2.47E-04	3.02E-04	2.65E-04	8.55E-08	2.58E-07	1.49E-07	1.83E-07	1.66E-07	7.57E-08	6.64E-08	2.86E-09	6.90E-08	1.52E-08	2.49E-08	3.94E-08	6.95E-09	4.38E-09	1.63E-07

2739	490610.04	3859260.04	2.43E-04	2.97E-04	2.61E-04	8.42E-08	2.54E-07	1.47E-07	1.80E-07	1.63E-07	7.45E-08	6.54E-08	2.81E-09	6.79E-08	1.50E-08	2.45E-08	3.88E-08	6.84E-09	4.31E-09	1.60E-07
2740	490660.04	3859260.04	2.42E-04	2.96E-04	2.59E-04	8.37E-08	2.53E-07	1.46E-07	1.79E-07	1.62E-07	7.41E-08	6.50E-08	2.80E-09	6.75E-08	1.49E-08	2.43E-08	3.86E-08	6.80E-09	4.29E-09	1.59E-07
2741	490710.04	3859260.04	2.39E-04	2.93E-04	2.57E-04	8.28E-08	2.50E-07	1.45E-07	1.77E-07	1.61E-07	7.33E-08	6.43E-08	2.77E-09	6.68E-08	1.47E-08	2.41E-08	3.82E-08	6.73E-09	4.24E-09	1.58E-07
2742	490760.04	3859260.04	2.35E-04	2.88E-04	2.52E-04	8.14E-08	2.46E-07	1.42E-07	1.74E-07	1.58E-07	7.20E-08	6.32E-08	2.72E-09	6.56E-08	1.45E-08	2.36E-08	3.75E-08	6.61E-09	4.17E-09	1.55E-07
2743	490810.04	3859260.04	2.33E-04	2.86E-04	2.50E-04	8.08E-08	2.44E-07	1.41E-07	1.73E-07	1.57E-07	7.16E-08	6.27E-08	2.70E-09	6.52E-08	1.44E-08	2.35E-08	3.73E-08	6.57E-09	4.14E-09	1.54E-07
2744	490860.04	3859260.04	2.32E-04	2.84E-04	2.49E-04	8.03E-08	2.42E-07	1.40E-07	1.72E-07	1.56E-07	7.11E-08	6.23E-08	2.68E-09	6.47E-08	1.43E-08	2.33E-08	3.70E-08	6.52E-09	4.11E-09	1.53E-07
2745	490360.04	3859310.04	2.44E-04	2.98E-04	2.62E-04	8.44E-08	2.55E-07	1.48E-07	1.81E-07	1.64E-07	7.47E-08	6.56E-08	2.82E-09	6.81E-08	1.50E-08	2.45E-08	3.89E-08	6.86E-09	4.33E-09	1.61E-07
2746	490410.04	3859310.04	2.42E-04	2.96E-04	2.60E-04	8.38E-08	2.53E-07	1.47E-07	1.79E-07	1.63E-07	7.42E-08	6.51E-08	2.80E-09	6.76E-08	1.49E-08	2.44E-08	3.87E-08	6.81E-09	4.30E-09	1.59E-07
2747	490460.04	3859310.04	2.40E-04	2.94E-04	2.58E-04	8.33E-08	2.51E-07	1.46E-07	1.78E-07	1.62E-07	7.37E-08	6.47E-08	2.78E-09	6.72E-08	1.48E-08	2.42E-08	3.84E-08	6.77E-09	4.27E-09	1.58E-07
2748	490510.04	3859310.04	2.39E-04	2.93E-04	2.57E-04	8.28E-08	2.50E-07	1.45E-07	1.77E-07	1.61E-07	7.33E-08	6.43E-08	2.76E-09	6.68E-08	1.47E-08	2.41E-08	3.82E-08	6.73E-09	4.24E-09	1.57E-07
2749	490560.04	3859310.04	2.37E-04	2.91E-04	2.55E-04	8.22E-08	2.48E-07	1.44E-07	1.76E-07	1.60E-07	7.28E-08	6.39E-08	2.75E-09	6.63E-08	1.46E-08	2.39E-08	3.79E-08	6.68E-09	4.21E-09	1.56E-07
2750	490610.04	3859310.04	2.36E-04	2.89E-04	2.53E-04	8.17E-08	2.47E-07	1.43E-07	1.75E-07	1.59E-07	7.24E-08	6.35E-08	2.73E-09	6.59E-08	1.45E-08	2.38E-08	3.77E-08	6.64E-09	4.19E-09	1.55E-07
2751	490660.04	3859310.04	2.34E-04	2.87E-04	2.51E-04	8.11E-08	2.45E-07	1.42E-07	1.74E-07	1.57E-07	7.18E-08	6.30E-08	2.71E-09	6.54E-08	1.44E-08	2.36E-08	3.74E-08	6.59E-09	4.15E-09	1.54E-07
2752	490710.04	3859310.04	2.31E-04	2.82E-04	2.48E-04	7.99E-08	2.41E-07	1.40E-07	1.71E-07	1.55E-07	7.08E-08	6.21E-08	2.67E-09	6.45E-08	1.42E-08	2.32E-08	3.68E-08	6.49E-09	4.09E-09	1.52E-07
2753	490760.04	3859310.04	2.28E-04	2.80E-04	2.45E-04	7.91E-08	2.39E-07	1.38E-07	1.69E-07	1.54E-07	7.01E-08	6.14E-08	2.64E-09	6.38E-08	1.41E-08	2.30E-08	3.65E-08	6.43E-09	4.05E-09	1.51E-07
2754	490810.04	3859310.04	2.27E-04	2.78E-04	2.44E-04	7.86E-08	2.37E-07	1.37E-07	1.68E-07	1.53E-07	6.96E-08	6.10E-08	2.63E-09	6.34E-08	1.40E-08	2.29E-08	3.63E-08	6.39E-09	4.03E-09	1.50E-07
2755	490860.04	3859310.04	2.25E-04	2.75E-04	2.41E-04	7.78E-08	2.35E-07	1.36E-07	1.67E-07	1.51E-07	6.89E-08	6.04E-08	2.60E-09	6.28E-08	1.39E-08	2.26E-08	3.59E-08	6.33E-09	3.99E-09	1.48E-07
2756	490360.04	3859360.04	2.32E-04	2.85E-04	2.50E-04	8.05E-08	2.43E-07	1.41E-07	1.72E-07	1.56E-07	7.13E-08	6.26E-08	2.69E-09	6.49E-08	1.43E-08	2.34E-08	3.71E-08	6.54E-09	4.13E-09	1.53E-07
2757	490410.04	3859360.04	2.31E-04	2.83E-04	2.49E-04	8.01E-08	2.42E-07	1.40E-07	1.72E-07	1.56E-07	7.10E-08	6.23E-08	2.68E-09	6.46E-08	1.43E-08	2.33E-08	3.70E-08	6.51E-09	4.11E-09	1.52E-07
2758	490460.04	3859360.04	2.30E-04	2.82E-04	2.47E-04	7.98E-08	2.41E-07	1.39E-07	1.71E-07	1.55E-07	7.06E-08	6.20E-08	2.66E-09	6.43E-08	1.42E-08	2.32E-08	3.68E-08	6.48E-09	4.09E-09	1.52E-07
2759	490510.04	3859360.04	2.29E-04	2.81E-04	2.46E-04	7.94E-08	2.40E-07	1.39E-07	1.70E-07	1.54E-07	7.03E-08	6.17E-08	2.65E-09	6.40E-08	1.41E-08	2.31E-08	3.66E-08	6.45E-09	4.07E-09	1.51E-07
2760	490560.04	3859360.04	2.28E-04	2.79E-04	2.45E-04	7.89E-08	2.38E-07	1.38E-07	1.69E-07	1.53E-07	6.99E-08	6.13E-08	2.63E-09	6.36E-08	1.40E-08	2.29E-08	3.64E-08	6.41E-09	4.04E-09	1.50E-07
2761	490610.04	3859360.04	2.26E-04	2.77E-04	2.43E-04	7.84E-08	2.37E-07	1.37E-07	1.68E-07	1.52E-07	6.94E-08	6.09E-08	2.62E-09	6.32E-08	1.40E-08	2.28E-08	3.61E-08	6.37E-09	4.02E-09	1.49E-07
2762	490660.04	3859360.04	2.25E-04	2.75E-04	2.42E-04	7.79E-08	2.35E-07	1.36E-07	1.67E-07	1.51E-07	6.90E-08	6.05E-08	2.60E-09	6.28E-08	1.39E-08	2.26E-08	3.59E-08	6.33E-09	3.99E-09	1.48E-07
2763	490710.04	3859360.04	2.23E-04	2.73E-04	2.39E-04	7.72E-08	2.33E-07	1.35E-07	1.65E-07	1.50E-07	6.84E-08	6.00E-08	2.58E-09	6.23E-08	1.37E-08	2.25E-08	3.56E-08	6.28E-09	3.96E-09	1.47E-07
2764	490760.04	3859360.04	2.21E-04	2.70E-04	2.37E-04	7.65E-08	2.31E-07	1.34E-07	1.64E-07	1.48E-07	6.77E-08	5.94E-08	2.55E-09	6.17E-08	1.36E-08	2.22E-08	3.53E-08	6.21E-09	3.92E-09	1.45E-07
2765	490810.04	3859360.04	2.20E-04	2.69E-04	2.36E-04	7.62E-08	2.30E-07	1.33E-07	1.63E-07	1.48E-07	6.75E-08	5.92E-08	2.54E-09	6.15E-08	1.36E-08	2.21E-08	3.51E-08	6.19E-09	3.90E-09	1.45E-07
2766	490860.04	3859360.04	2.18E-04	2.67E-04	2.34E-04	7.57E-08	2.28E-07	1.32E-07	1.62E-07	1.47E-07	6.70E-08	5.87E-08	2.53E-09	6.10E-08	1.35E-08	2.20E-08	3.49E-08	6.15E-09	3.87E-09	1.44E-07
2767	490360.04	3859410.04	2.22E-04	2.71E-04	2.38E-04	7.68E-08	2.32E-07	1.34E-07	1.64E-07	1.49E-07	6.80E-08	5.97E-08	2.57E-09	6.20E-08	1.37E-08	2.23E-08	3.54E-08	6.24E-09	3.94E-09	1.46E-07
2768	490410.04	3859410.04	2.21E-04	2.71E-04	2.37E-04	7.65E-08	2.31E-07	1.34E-07	1.64E-07	1.49E-07	6.78E-08	5.95E-08	2.56E-09	6.17E-08	1.36E-08	2.23E-08	3.53E-08	6.22E-09	3.92E-09	1.46E-07
2769	490460.04	3859410.04	2.20E-04	2.70E-04	2.37E-04	7.63E-08	2.30E-07	1.33E-07	1.63E-07	1.48E-07	6.76E-08	5.93E-08	2.55E-09	6.15E-08	1.36E-08	2.22E-08	3.52E-08	6.20E-09	3.91E-09	1.45E-07
2770	490510.04	3859410.04	2.19E-04	2.69E-04	2.36E-04	7.60E-08	2.29E-07	1.33E-07	1.63E-07	1.47E-07	6.73E-08	5.90E-08	2.54E-09	6.13E-08	1.35E-08	2.21E-08	3.50E-08	6.18E-09	3.89E-09	1.45E-07
2771	490560.04	3859410.04	2.18E-04	2.68E-04	2.35E-04	7.57E-08	2.29E-07	1.32E-07	1.62E-07	1.47E-07	6.70E-08	5.88E-08	2.53E-09	6.11E-08	1.35E-08	2.20E-08	3.49E-08	6.15E-09	3.88E-09	1.44E-07
2772	490610.04	3859410.04	2.18E-04	2.66E-04	2.34E-04	7.54E-08	2.28E-07	1.32E-07	1.61E-07	1.46E-07	6.68E-08	5.86E-08	2.52E-09	6.08E-08	1.34E-08	2.19E-08	3.48E-08	6.13E-09	3.86E-09	1.43E-07
2773	490660.04	3859410.04	2.16E-04	2.65E-04	2.32E-04	7.49E-08	2.26E-07	1.31E-07	1.60E-07	1.45E-07	6.63E-08	5.82E-08	2.50E-09	6.04E-08	1.33E-08	2.18E-08	3.45E-08	6.09E-09	3.84E-09	1.43E-07
2774	490710.04	3859410.04	2.15E-04	2.63E-04	2.31E-04	7.44E-08	2.25E-07	1.30E-07	1.59E-07	1.44E-07	6.59E-08	5.78E-08	2.49E-09	6.00E-08	1.33E-08	2.16E-08	3.43E-08	6.05E-09	3.81E-09	1.42E-07
2775	490760.04	3859410.04	2.13E-04	2.61E-04	2.29E-04	7.38E-08	2.23E-07	1.29E-07	1.58E-07	1.43E-07	6.54E-08	5.73E-08	2.47E-09	5.95E-08	1.31E-08	2.15E-08	3.40E-08	6.00E-09	3.78E-09	1.40E-07
2776	490810.04	3859410.04	2.12E-04	2.60E-04	2.28E-04	7.36E-08	2.22E-07	1.29E-07	1.57E-07	1.43E-07	6.51E-08	5.71E-08	2.46E-09	5.93E-08	1.31E-08	2.14E-08	3.39E-08	5.98E-09	3.77E-09	1.40E-07
2777	490860.04	3859410.04	2.12E-04	2.59E-04	2.27E-04	7.34E-08	2.22E-07	1.28E-07	1.57E-07	1.42E-07	6.50E-08	5.70E-08	2.45E-09	5.92E-08	1.31E-08	2.13E-08	3.38E-08	5.96E-09	3.76E-09	1.40E-07
2778	490360.04	3859460.04	2.11E-04	2.59E-04	2.27E-04	7.33E-08	2.21E-07	1.28E-07	1.57E-07	1.42E-07	6.49E-08	5.70E-08	2.45E-09	5.91E-08	1.30E-08	2.13E-08	3.38E-08	5.96E-09	3.76E-09	1.39E-07
2779	490410.04	3859460.04	2.11E-04	2.58E-04	2.27E-04	7.31E-08	2.21E-07	1.28E-07	1.57E-07	1.42E-07	6.47E-08	5.68E-08	2.44E-09	5.90E-08	1.30E-08	2.13E-08	3.37E-08	5.94E-09	3.75E-09	1.39E-07
2780	490460.04	3859460.04	2.10E-04	2.58E-04	2.26E-04	7.29E-08	2.20E-07	1.27E-07	1.56E-07	1.42E-07	6.46E-08	5.67E-08	2.44E-09	5.88E-08	1.30E-08	2.12E-08	3.36E-08	5.93E-09	3.74E-09	1.39E-07
2781	490510.04	3859460.04	2.10E-04	2.57E-04	2.25E-04	7.27E-08	2.20E-07	1.27E-07	1.56E-07	1.41E-07	6.44E-08	5.65E-08	2.43E-09	5.87E-08	1.29E-08	2.11E-08	3.35E-08	5.91E-09	3.73E-09	1.38E-07
2782	490560.04	3859460.04	2.09E-04	2.56E-04	2.25E-04	7.25E-08	2.19E-07	1.27E-07	1.55E-07	1.41E-07	6.42E-08	5.63E-08	2.42E-09	5.85E-08	1.29E-08	2.11E-08	3.34E-08	5.89E-09	3.72E-09	1.38E-07
2783	490610.04	3859460.04	2.09E-04	2.55E-04	2.24E-04	7.23E-08	2.18E-07	1.26E-07	1.55E-07	1.40E-07	6.40E-08	5.61E-08	2.41E-09	5.83E-08	1.29E-08	2.10E-08	3.33E-08	5.87E-09	3.70E-09	1.37E-07
2784	490660.04	3859460.04	2.08E-04	2.54E-04	2.23E-04	7.20E-08	2.17E-07	1.26E-07	1.54E-07	1.40E-07	6.38E-08	5.59E-08	2.40E-09	5.81E-08	1.28E-08	2.09E-08	3.32E-08	5.85E-09	3.69E-09	1.37E-07
2785	490710.04	3859460.04	2.07E-04	2.53E-04	2.22E-04	7.17E-08	2.17E-07	1.25E-07	1.54E-07	1.39E-07	6.35E-08	5.57E-08	2.39E-09	5.79E-08	1.28E-08	2.08E-08	3.31E-08	5.83E-09	3.67E-09	1.36E-07
2786	490760.04	3859460.04	2.06E-04	2.52E-04	2.21E-04	7.14E-08	2.16E-07	1.25E-07	1.53E-07	1.39E-07	6.32E-08	5.54E-08	2.38E-09	5.76E-08	1.27E-08	2.08E-08	3.29E-08	5.80E-09	3.66E-09	1.36E-07
2787	490810.04	3859460.04	2.05E-04	2.51E-04	2.20E-04	7.11E-08	2.15E-07	1.24E-07	1.52E-07	1.38E-07	6.29E-08	5.52E-08	2.37E-09	5.73E-08	1.26E-08	2.07E-08	3.28E-08	5.77E-09	3.64E-09	1.35E-07
2788	490860.04	3859460.04	2.04E-04	2.50E-04	2.20E-04	7.09E-08	2.14E-07	1.24E-07	1.52E-07	1.38E-07	6.28E-08	5.50E-08	2.37E-09	5.72E-08	1.26E-08	2.06E-08	3.27E-08	5.76E-09	3.63E-09	1.35E-07
2789	490360.04	3859510.04	2.02E-04	2.47E-04	2.17E-04	6.98E-08	2.11E-07	1.22E-07	1.50E-07	1.36E-07	6.19E-08	5.43E-08	2.33E-09	5.63E-08	1.24E-08	2.03E-08	3.22E-08	5.68E-09	3.58E-09	1.33E-07
2790	490410.04	3859510.04	2.01E-04	2.47E-04	2.16E-04	6.98E-08	2.11E-07	1.22E-07	1.49E-07	1.35E-07	6.18E-08	5.42E-08	2.33E-09	5.63E-08	1.24E-08	2.03E-08	3.22E-08	5.67E-09	3.58E-09	1.33E-07
2791	490460.04	3859510.04	2.01E-04	2.46E-04	2.16E-04	6.97E-08	2.11E-07	1.22E-07	1.49E-07	1.35E-07	6.17E-08	5.42E-08	2.33E-09	5.62E-08	1.24E-08	2.03E-08	3.21E-08	5.67E-09	3.57E-09	1.33E-07
2792	490510.04	3859510.04	2.01E-04	2.46E-04	2.16E-04	6.96E-08	2.10E-07	1.22E-07	1.49E-07	1.35E-07	6.16E-08	5.41E-08	2.32E-09	5.61E-08	1.24E-08	2.02E-08	3.21E-08	5.66E-09	3.57E-09	1.32E-07
2793	490560.04	3859510.04	2.00E-04	2.45E-04	2.15E-04	6.94E-08	2.10E-07	1.21E-07	1.49E-07	1.35E-07	6.15E-08	5.40E-08	2.32E-09	5.60E-08	1.24E-08	2.02E-08	3.20E-08	5.64E-09	3.56E-09	1.32E-07
2794	490610.04	3859510.04	2.00E-04	2.45E-04	2.15E-04	6.93E-08	2.09E-07	1.21E-07	1.48E-07	1.34E-07	6.14E-08	5.38E-08	2.31E-09	5.59E-08	1.23E-08	2.01E-08	3.20E-08	5.63E-09	3.55E-09	1.32E-07
2795	490660.04	3859510.04	1.99E-04	2.44E-04	2.14E-04	6.91E-08	2.09E-07	1.21E-07	1.48E-07	1.34E-07	6.12E-08	5.37E-08	2.31E-09	5.57E-08	1.23E-08	2.01E-08	3.19E-08	5.62E-09	3.54E-09	1.31E-07
2796	490710.04	3859510.04	1.99E-04	2.44E-04	2.14E-04	6.89E-08	2.08E-07	1.20E-07	1.48E-07	1.34E-07	6.10E-08	5.35E-08	2.30E-09	5.56E-08	1.23E-08	2.00E-08	3.18E-08	5.60E-09	3.53E-09	1.31E-07
2797	490760.04	3859510.04	1.98E-04	2.43E-04	2.13E-04	6.87E-08	2.07E-07	1.20E-07	1.47E-07	1.33E-07	6.08E-08	5.34E-08	2.29E-09	5.54E-08	1.22E-08	2.00E-08	3.17E-08	5.58E-09	3.52E-09	1.31E-07
2798	490810.04	3859510.04	1.98E-04	2.42E-04	2.12E-04	6.85E-08	2.07E-07	1.20E-07	1.47E-07	1.33E-07	6.07E-08	5.32E-08	2.29E-09	5.53E-08	1.22E-08	1.99E-08	3.16E-08	5.57E-09	3.51E-09	1.30E-07
2799	490860.04	3859510.04	1.97E-04	2.41E-04	2.12E-04	6.83E-08	2.06E-07	1.19E-07	1.46E-07	1.32E-07	6.05E-08	5.30E-08	2.28E-09	5.51E-08	1.22E-08	1.98E-08	3.15E-08	5.55E-09	3.50E-09	1.30E-07

2800	490360.04	3859560.04	1.92E-04	2.35E-04	2.07E-04	6.66E-08	2.01E-07	1.16E-07	1.43E-07	1.29E-07	5.90E-08	5.18E-08	2.22E-09	5.37E-08	1.19E-08	1.94E-08	3.07E-08	5.41E-09	3.41E-09	1.27E-07
2801	490410.04	3859560.04	1.92E-04	2.35E-04	2.06E-04	6.66E-08	2.01E-07	1.16E-07	1.43E-07	1.29E-07	5.90E-08	5.17E-08	2.22E-09	5.37E-08	1.19E-08	1.94E-08	3.07E-08	5.41E-09	3.41E-09	1.27E-07
2802	490460.04	3859560.04	1.92E-04	2.35E-04	2.06E-04	6.66E-08	2.01E-07	1.16E-07	1.43E-07	1.29E-07	5.89E-08	5.17E-08	2.22E-09	5.37E-08	1.18E-08	1.93E-08	3.07E-08	5.41E-09	3.41E-09	1.27E-07
2803	490510.04	3859560.04	1.92E-04	2.35E-04	2.07E-04	6.66E-08	2.01E-07	1.16E-07	1.43E-07	1.29E-07	5.90E-08	5.18E-08	2.22E-09	5.37E-08	1.19E-08	1.94E-08	3.07E-08	5.41E-09	3.41E-09	1.27E-07
2804	490560.04	3859560.04	1.92E-04	2.35E-04	2.06E-04	6.65E-08	2.01E-07	1.16E-07	1.42E-07	1.29E-07	5.89E-08	5.17E-08	2.22E-09	5.36E-08	1.18E-08	1.93E-08	3.07E-08	5.41E-09	3.41E-09	1.27E-07
2805	490610.04	3859560.04	1.92E-04	2.35E-04	2.06E-04	6.64E-08	2.01E-07	1.16E-07	1.42E-07	1.29E-07	5.88E-08	5.16E-08	2.22E-09	5.36E-08	1.18E-08	1.93E-08	3.06E-08	5.40E-09	3.40E-09	1.26E-07
2806	490660.04	3859560.04	1.91E-04	2.34E-04	2.06E-04	6.63E-08	2.00E-07	1.16E-07	1.42E-07	1.29E-07	5.87E-08	5.15E-08	2.21E-09	5.35E-08	1.18E-08	1.93E-08	3.06E-08	5.39E-09	3.40E-09	1.26E-07
2807	490710.04	3859560.04	1.91E-04	2.34E-04	2.05E-04	6.62E-08	2.00E-07	1.16E-07	1.42E-07	1.28E-07	5.86E-08	5.14E-08	2.21E-09	5.34E-08	1.18E-08	1.92E-08	3.05E-08	5.38E-09	3.39E-09	1.26E-07
2808	490760.04	3859560.04	1.91E-04	2.33E-04	2.05E-04	6.60E-08	1.99E-07	1.15E-07	1.41E-07	1.28E-07	5.85E-08	5.13E-08	2.21E-09	5.33E-08	1.18E-08	1.92E-08	3.05E-08	5.37E-09	3.38E-09	1.26E-07
2809	490810.04	3859560.04	1.90E-04	2.33E-04	2.04E-04	6.59E-08	1.99E-07	1.15E-07	1.41E-07	1.28E-07	5.83E-08	5.12E-08	2.20E-09	5.31E-08	1.17E-08	1.92E-08	3.04E-08	5.35E-09	3.38E-09	1.25E-07
2810	490860.04	3859560.04	1.90E-04	2.32E-04	2.04E-04	6.57E-08	1.98E-07	1.15E-07	1.41E-07	1.27E-07	5.82E-08	5.10E-08	2.19E-09	5.30E-08	1.17E-08	1.91E-08	3.03E-08	5.34E-09	3.37E-09	1.25E-07
2811	490187.25	3859422.08	2.21E-04	2.71E-04	2.37E-04	7.66E-08	2.31E-07	1.34E-07	1.64E-07	1.49E-07	6.78E-08	5.95E-08	2.56E-09	6.18E-08	1.36E-08	2.23E-08	3.53E-08	6.22E-09	3.92E-09	1.46E-07
2812	490237.25	3859422.08	2.21E-04	2.70E-04	2.37E-04	7.64E-08	2.31E-07	1.34E-07	1.64E-07	1.48E-07	6.77E-08	5.94E-08	2.55E-09	6.17E-08	1.36E-08	2.22E-08	3.53E-08	6.21E-09	3.92E-09	1.45E-07
2813	490287.25	3859422.08	2.20E-04	2.70E-04	2.37E-04	7.63E-08	2.30E-07	1.33E-07	1.63E-07	1.48E-07	6.76E-08	5.93E-08	2.55E-09	6.15E-08	1.36E-08	2.22E-08	3.52E-08	6.20E-09	3.91E-09	1.45E-07
2814	490337.25	3859422.08	2.19E-04	2.69E-04	2.36E-04	7.61E-08	2.30E-07	1.33E-07	1.63E-07	1.48E-07	6.74E-08	5.91E-08	2.54E-09	6.13E-08	1.35E-08	2.21E-08	3.51E-08	6.18E-09	3.90E-09	1.45E-07
2815	490187.25	3859472.08	2.10E-04	2.57E-04	2.26E-04	7.28E-08	2.20E-07	1.27E-07	1.56E-07	1.41E-07	6.44E-08	5.66E-08	2.43E-09	5.87E-08	1.30E-08	2.12E-08	3.36E-08	5.91E-09	3.73E-09	1.38E-07
2816	490237.25	3859472.08	2.10E-04	2.57E-04	2.25E-04	7.27E-08	2.19E-07	1.27E-07	1.56E-07	1.41E-07	6.44E-08	5.65E-08	2.43E-09	5.86E-08	1.29E-08	2.11E-08	3.35E-08	5.91E-09	3.72E-09	1.38E-07
2817	490287.25	3859472.08	2.10E-04	2.57E-04	2.25E-04	7.26E-08	2.19E-07	1.27E-07	1.56E-07	1.41E-07	6.43E-08	5.64E-08	2.43E-09	5.86E-08	1.29E-08	2.11E-08	3.35E-08	5.90E-09	3.72E-09	1.38E-07
2818	490337.25	3859472.08	2.09E-04	2.56E-04	2.25E-04	7.25E-08	2.19E-07	1.27E-07	1.55E-07	1.41E-07	6.42E-08	5.64E-08	2.42E-09	5.85E-08	1.29E-08	2.11E-08	3.34E-08	5.89E-09	3.72E-09	1.38E-07
2819	490297.07	3859500.42	2.04E-04	2.50E-04	2.19E-04	7.06E-08	2.13E-07	1.23E-07	1.51E-07	1.37E-07	6.25E-08	5.49E-08	2.36E-09	5.69E-08	1.26E-08	2.05E-08	3.26E-08	5.74E-09	3.62E-09	1.34E-07
2820	490327.07	3859500.42	2.03E-04	2.49E-04	2.19E-04	7.05E-08	2.13E-07	1.23E-07	1.51E-07	1.37E-07	6.24E-08	5.48E-08	2.35E-09	5.69E-08	1.26E-08	2.05E-08	3.25E-08	5.73E-09	3.61E-09	1.34E-07
2821	490297.07	3859530.42	1.98E-04	2.42E-04	2.13E-04	6.85E-08	2.07E-07	1.20E-07	1.47E-07	1.33E-07	6.07E-08	5.33E-08	2.29E-09	5.53E-08	1.22E-08	1.99E-08	3.16E-08	5.57E-09	3.51E-09	1.30E-07
2822	490327.07	3859530.42	1.98E-04	2.42E-04	2.12E-04	6.85E-08	2.07E-07	1.20E-07	1.47E-07	1.33E-07	6.07E-08	5.32E-08	2.29E-09	5.53E-08	1.22E-08	1.99E-08	3.16E-08	5.57E-09	3.51E-09	1.30E-07
2823	490319.73	3859055.34	3.18E-04	3.90E-04	3.42E-04	1.10E-07	3.33E-07	1.93E-07	2.36E-07	2.14E-07	9.76E-08	8.57E-08	3.68E-09	8.89E-08	1.96E-08	3.21E-08	5.08E-08	8.96E-09	5.65E-09	2.10E-07
2824	490319.73	3859105.34	3.02E-04	3.70E-04	3.25E-04	1.05E-07	3.16E-07	1.83E-07	2.24E-07	2.03E-07	9.28E-08	8.14E-08	3.50E-09	8.45E-08	1.86E-08	3.04E-08	4.83E-08	8.51E-09	5.37E-09	1.99E-07
2825	490069.73	3859155.34	3.00E-04	3.67E-04	3.22E-04	1.04E-07	3.14E-07	1.82E-07	2.23E-07	2.02E-07	9.20E-08	8.08E-08	3.47E-09	8.38E-08	1.85E-08	3.02E-08	4.79E-08	8.45E-09	5.33E-09	1.98E-07
2826	490119.73	3859155.34	2.97E-04	3.64E-04	3.20E-04	1.03E-07	3.11E-07	1.80E-07	2.21E-07	2.00E-07	9.13E-08	8.01E-08	3.44E-09	8.31E-08	1.83E-08	3.00E-08	4.75E-08	8.37E-09	5.28E-09	1.96E-07
2827	490269.73	3859155.34	2.90E-04	3.55E-04	3.12E-04	1.00E-07	3.03E-07	1.76E-07	2.15E-07	1.95E-07	8.90E-08	7.81E-08	3.35E-09	8.10E-08	1.79E-08	2.92E-08	4.63E-08	8.17E-09	5.15E-09	1.91E-07
2828	490319.73	3859155.34	2.87E-04	3.52E-04	3.09E-04	9.95E-08	3.00E-07	1.74E-07	2.13E-07	1.93E-07	8.81E-08	7.73E-08	3.32E-09	8.02E-08	1.77E-08	2.89E-08	4.59E-08	8.08E-09	5.10E-09	1.89E-07
2829	490069.73	3859205.34	2.83E-04	3.46E-04	3.04E-04	9.80E-08	2.96E-07	1.71E-07	2.10E-07	1.90E-07	8.68E-08	7.62E-08	3.27E-09	7.90E-08	1.74E-08	2.85E-08	4.52E-08	7.96E-09	5.02E-09	1.86E-07
2830	490119.73	3859205.34	2.81E-04	3.44E-04	3.02E-04	9.73E-08	2.94E-07	1.70E-07	2.08E-07	1.89E-07	8.61E-08	7.56E-08	3.25E-09	7.84E-08	1.73E-08	2.83E-08	4.48E-08	7.90E-09	4.99E-09	1.85E-07
2831	490169.73	3859205.34	2.79E-04	3.41E-04	3.00E-04	9.66E-08	2.92E-07	1.69E-07	2.07E-07	1.87E-07	8.55E-08	7.51E-08	3.23E-09	7.79E-08	1.72E-08	2.81E-08	4.45E-08	7.85E-09	4.95E-09	1.84E-07
2832	490219.73	3859205.34	2.77E-04	3.39E-04	2.97E-04	9.59E-08	2.90E-07	1.68E-07	2.05E-07	1.86E-07	8.49E-08	7.45E-08	3.20E-09	7.74E-08	1.71E-08	2.79E-08	4.42E-08	7.79E-09	4.92E-09	1.82E-07
2833	490269.73	3859205.34	2.74E-04	3.36E-04	2.95E-04	9.51E-08	2.87E-07	1.66E-07	2.04E-07	1.85E-07	8.42E-08	7.39E-08	3.18E-09	7.67E-08	1.69E-08	2.76E-08	4.39E-08	7.73E-09	4.88E-09	1.81E-07
2834	490319.73	3859205.34	2.72E-04	3.34E-04	2.93E-04	9.44E-08	2.85E-07	1.65E-07	2.02E-07	1.83E-07	8.36E-08	7.33E-08	3.15E-09	7.61E-08	1.68E-08	2.74E-08	4.35E-08	7.67E-09	4.84E-09	1.80E-07
2835	490069.73	3859255.34	2.67E-04	3.27E-04	2.87E-04	9.25E-08	2.79E-07	1.62E-07	1.98E-07	1.80E-07	8.19E-08	7.19E-08	3.09E-09	7.46E-08	1.65E-08	2.69E-08	4.27E-08	7.52E-09	4.74E-09	1.76E-07
2836	490119.73	3859255.34	2.65E-04	3.25E-04	2.85E-04	9.19E-08	2.78E-07	1.61E-07	1.97E-07	1.78E-07	8.14E-08	7.15E-08	3.07E-09	7.42E-08	1.64E-08	2.67E-08	4.24E-08	7.47E-09	4.71E-09	1.75E-07
2837	490169.73	3859255.34	2.64E-04	3.23E-04	2.83E-04	9.14E-08	2.76E-07	1.60E-07	1.96E-07	1.77E-07	8.09E-08	7.10E-08	3.05E-09	7.37E-08	1.63E-08	2.66E-08	4.21E-08	7.42E-09	4.68E-09	1.74E-07
2838	490219.73	3859255.34	2.62E-04	3.21E-04	2.82E-04	9.08E-08	2.74E-07	1.59E-07	1.94E-07	1.76E-07	8.04E-08	7.06E-08	3.03E-09	7.33E-08	1.62E-08	2.64E-08	4.19E-08	7.38E-09	4.66E-09	1.73E-07
2839	490269.73	3859255.34	2.60E-04	3.19E-04	2.80E-04	9.02E-08	2.72E-07	1.58E-07	1.93E-07	1.75E-07	7.99E-08	7.01E-08	3.01E-09	7.28E-08	1.61E-08	2.62E-08	4.16E-08	7.33E-09	4.63E-09	1.72E-07
2840	490319.73	3859255.34	2.59E-04	3.17E-04	2.78E-04	8.96E-08	2.71E-07	1.57E-07	1.92E-07	1.74E-07	7.94E-08	6.97E-08	2.99E-09	7.23E-08	1.60E-08	2.61E-08	4.13E-08	7.29E-09	4.59E-09	1.71E-07
2841	490069.73	3859305.34	2.53E-04	3.09E-04	2.72E-04	8.76E-08	2.64E-07	1.53E-07	1.87E-07	1.70E-07	7.75E-08	6.81E-08	2.92E-09	7.06E-08	1.56E-08	2.55E-08	4.04E-08	7.12E-09	4.49E-09	1.67E-07
2842	490119.73	3859305.34	2.51E-04	3.08E-04	2.70E-04	8.71E-08	2.63E-07	1.52E-07	1.86E-07	1.69E-07	7.71E-08	6.77E-08	2.91E-09	7.02E-08	1.55E-08	2.53E-08	4.02E-08	7.08E-09	4.46E-09	1.66E-07
2843	490169.73	3859305.34	2.50E-04	3.06E-04	2.69E-04	8.66E-08	2.61E-07	1.51E-07	1.85E-07	1.68E-07	7.67E-08	6.73E-08	2.89E-09	6.99E-08	1.54E-08	2.52E-08	3.99E-08	7.04E-09	4.44E-09	1.65E-07
2844	490219.73	3859305.34	2.49E-04	3.05E-04	2.67E-04	8.62E-08	2.60E-07	1.51E-07	1.84E-07	1.67E-07	7.63E-08	6.70E-08	2.88E-09	6.95E-08	1.53E-08	2.50E-08	3.97E-08	7.00E-09	4.42E-09	1.64E-07
2845	490269.73	3859305.34	2.47E-04	3.03E-04	2.66E-04	8.57E-08	2.59E-07	1.50E-07	1.84E-07	1.66E-07	7.59E-08	6.66E-08	2.86E-09	6.91E-08	1.53E-08	2.49E-08	3.95E-08	6.97E-09	4.39E-09	1.63E-07
2846	490319.73	3859305.34	2.46E-04	3.01E-04	2.64E-04	8.52E-08	2.57E-07	1.49E-07	1.83E-07	1.65E-07	7.55E-08	6.62E-08	2.85E-09	6.88E-08	1.52E-08	2.48E-08	3.93E-08	6.93E-09	4.37E-09	1.62E-07
2847	490069.73	3859355.34	2.39E-04	2.93E-04	2.57E-04	8.28E-08	2.50E-07	1.45E-07	1.77E-07	1.61E-07	7.33E-08	6.44E-08	2.76E-09	6.68E-08	1.47E-08	2.41E-08	3.82E-08	6.73E-09	4.24E-09	1.58E-07
2848	490119.73	3859355.34	2.38E-04	2.91E-04	2.56E-04	8.24E-08	2.49E-07	1.44E-07	1.76E-07	1.60E-07	7.30E-08	6.41E-08	2.75E-09	6.65E-08	1.47E-08	2.40E-08	3.80E-08	6.70E-09	4.22E-09	1.57E-07
2849	490169.73	3859355.34	2.37E-04	2.90E-04	2.55E-04	8.21E-08	2.48E-07	1.44E-07	1.76E-07	1.59E-07	7.27E-08	6.38E-08	2.74E-09	6.63E-08	1.46E-08	2.39E-08	3.79E-08	6.68E-09	4.21E-09	1.56E-07
2850	490219.73	3859355.34	2.36E-04	2.89E-04	2.54E-04	8.19E-08	2.47E-07	1.43E-07	1.75E-07	1.59E-07	7.25E-08	6.36E-08	2.73E-09	6.60E-08	1.46E-08	2.38E-08	3.77E-08	6.65E-09	4.20E-09	1.56E-07
2851	490269.73	3859355.34	2.35E-04	2.88E-04	2.53E-04	8.15E-08	2.46E-07	1.42E-07	1.75E-07	1.58E-07	7.22E-08	6.34E-08	2.72E-09	6.58E-08	1.45E-08	2.37E-08	3.76E-08	6.63E-09	4.18E-09	1.55E-07
2852	490319.73	3859355.34	2.34E-04	2.87E-04	2.52E-04	8.12E-08	2.45E-07	1.42E-07	1.74E-07	1.58E-07	7.19E-08	6.31E-08	2.71E-09	6.55E-08	1.45E-08	2.36E-08	3.74E-08	6.60E-09	4.16E-09	1.54E-07
2853	490069.73	3859405.34	2.26E-04	2.77E-04	2.43E-04	7.84E-08	2.37E-07	1.37E-07	1.68E-07	1.52E-07	6.94E-08	6.09E-08	2.62E-09	6.32E-08	1.40E-08	2.28E-08	3.61E-08	6.37E-09	4.02E-09	1.49E-07
2854	490119.73	3859405.34	2.25E-04	2.76E-04	2.42E-04	7.81E-08	2.36E-07	1.37E-07	1.67E-07	1.52E-07	6.92E-08	6.07E-08	2.61E-09	6.30E-08	1.39E-08	2.27E-08	3.60E-08	6.35E-09	4.01E-09	1.49E-07
2855	490169.73	3859405.34	2.25E-04	2.76E-04	2.42E-04	7.80E-08	2.35E-07	1.36E-07	1.67E-07	1.51E-07	6.90E-08	6.06E-08	2.60E-09	6.29E-08	1.39E-08	2.27E-08	3.59E-08	6.34E-09	4.00E-09	1.48E-07
2856	490219.73	3859405.34	2.24E-04	2.75E-04	2.41E-04	7.78E-08	2.35E-07	1.36E-07	1.67E-07	1.51E-07	6.89E-08	6.05E-08	2.60E-09	6.28E-08	1.38E-08	2.26E-08	3.59E-08	6.32E-09	3.99E-09	1.48E-07
2857	490269.73	3859405.34	2.24E-04	2.74E-04	2.41E-04	7.76E-08	2.34E-07	1.36E-07	1.66E-07	1.51E-07	6.87E-08	6.03E-08	2.59E-09	6.26E-08	1.38E-08	2.26E-08	3.58E-08	6.31E-09	3.98E-09	1.48E-07
2858	490319.73	3859405.34	2.23E-04	2.73E-04	2.40E-04	7.74E-08	2.34E-07	1.35E-07	1.66E-07	1.50E-07	6.85E-08	6.01E-08	2.58E-09	6.24E-08	1.38E-08	2.25E-08	3.57E-08	6.29E-09	3.97E-09	1.47E-07
2859	490161.89	3859541.83	1.96E-04	2.40E-04	2.11E-04	6.79E-08	2.05E-07	1.19E-07	1.45E-07	1.32E-07	6.01E-08	5.27E-08	2.27E-09	5.48E-08	1.21E-08	1.97E-08	3.13E-08	5.52E-09	3.48E-09	1.29E-07
2860	490171.89	3859541.83	1.96E-04	2.40E-04	2.11E-04	6.79E-08	2.05E-07	1.19E-07	1.45E-07	1.32E-07	6.01E-08	5.27E-08	2.27E-09	5.48E-08	1.21E-08	1.97E-08	3.13E-08	5.52E-09	3.48E-09	1.29E-07

2861	490161.89	3859551.83	1.94E-04	2.38E-04	2.08E-04	6.72E-08	2.03E-07	1.18E-07	1.44E-07	1.30E-07	5.95E-08	5.22E-08	2.24E-09	5.42E-08	1.20E-08	1.95E-08	3.10E-08	5.46E-09	3.45E-09	1.28E-07
2862	490171.89	3859551.83	1.94E-04	2.38E-04	2.08E-04	6.72E-08	2.03E-07	1.18E-07	1.44E-07	1.30E-07	5.95E-08	5.22E-08	2.24E-09	5.42E-08	1.20E-08	1.95E-08	3.10E-08	5.46E-09	3.45E-09	1.28E-07
2863	489799.72	3859348.21	2.45E-04	3.00E-04	2.64E-04	8.49E-08	2.56E-07	1.48E-07	1.82E-07	1.65E-07	7.52E-08	6.60E-08	2.84E-09	6.85E-08	1.51E-08	2.47E-08	3.92E-08	6.90E-09	4.35E-09	1.62E-07
2864	489819.72	3859348.21	2.45E-04	3.00E-04	2.63E-04	8.49E-08	2.56E-07	1.48E-07	1.82E-07	1.65E-07	7.52E-08	6.60E-08	2.83E-09	6.85E-08	1.51E-08	2.47E-08	3.91E-08	6.90E-09	4.35E-09	1.61E-07
2865	489799.72	3859368.21	2.39E-04	2.93E-04	2.57E-04	8.28E-08	2.50E-07	1.45E-07	1.77E-07	1.61E-07	7.34E-08	6.44E-08	2.77E-09	6.68E-08	1.47E-08	2.41E-08	3.82E-08	6.73E-09	4.25E-09	1.58E-07
2866	489819.72	3859368.21	2.39E-04	2.93E-04	2.57E-04	8.28E-08	2.50E-07	1.45E-07	1.77E-07	1.61E-07	7.33E-08	6.44E-08	2.77E-09	6.68E-08	1.47E-08	2.41E-08	3.82E-08	6.73E-09	4.25E-09	1.58E-07
2867	489775.41	3859329.72	2.51E-04	3.08E-04	2.70E-04	8.70E-08	2.63E-07	1.52E-07	1.86E-07	1.69E-07	7.71E-08	6.76E-08	2.91E-09	7.02E-08	1.55E-08	2.53E-08	4.01E-08	7.07E-09	4.46E-09	1.66E-07
2868	489795.41	3859329.72	2.51E-04	3.07E-04	2.70E-04	8.69E-08	2.63E-07	1.52E-07	1.86E-07	1.69E-07	7.70E-08	6.76E-08	2.90E-09	7.01E-08	1.55E-08	2.53E-08	4.01E-08	7.07E-09	4.46E-09	1.65E-07
2869	489775.41	3859349.72	2.45E-04	3.00E-04	2.63E-04	8.48E-08	2.56E-07	1.48E-07	1.82E-07	1.65E-07	7.51E-08	6.59E-08	2.83E-09	6.84E-08	1.51E-08	2.47E-08	3.91E-08	6.89E-09	4.35E-09	1.61E-07
2870	489795.41	3859349.72	2.45E-04	3.00E-04	2.63E-04	8.48E-08	2.56E-07	1.48E-07	1.82E-07	1.65E-07	7.51E-08	6.59E-08	2.83E-09	6.84E-08	1.51E-08	2.47E-08	3.91E-08	6.89E-09	4.35E-09	1.61E-07
2871	489595.05	3859219.43	2.97E-04	3.63E-04	3.19E-04	1.03E-07	3.10E-07	1.80E-07	2.20E-07	2.00E-07	9.10E-08	7.99E-08	3.43E-09	8.29E-08	1.83E-08	2.99E-08	4.74E-08	8.35E-09	5.27E-09	1.96E-07
2872	489615.05	3859219.43	2.96E-04	3.63E-04	3.19E-04	1.03E-07	3.10E-07	1.79E-07	2.20E-07	1.99E-07	9.09E-08	7.98E-08	3.43E-09	8.28E-08	1.83E-08	2.98E-08	4.73E-08	8.34E-09	5.26E-09	1.95E-07
2873	489595.05	3859239.43	2.87E-04	3.52E-04	3.09E-04	9.96E-08	3.01E-07	1.74E-07	2.13E-07	1.93E-07	8.82E-08	7.74E-08	3.33E-09	8.03E-08	1.77E-08	2.90E-08	4.59E-08	8.09E-09	5.11E-09	1.89E-07
2874	489615.05	3859239.43	2.87E-04	3.52E-04	3.09E-04	9.95E-08	3.00E-07	1.74E-07	2.13E-07	1.93E-07	8.81E-08	7.74E-08	3.32E-09	8.03E-08	1.77E-08	2.89E-08	4.59E-08	8.09E-09	5.10E-09	1.89E-07
2875	489372.4	3859092.58	3.87E-04	4.74E-04	4.16E-04	1.34E-07	4.05E-07	2.34E-07	2.87E-07	2.60E-07	1.19E-07	1.04E-07	4.48E-09	1.08E-07	2.39E-08	3.90E-08	6.18E-08	1.09E-08	6.88E-09	2.55E-07
2876	489422.4	3859092.58	3.83E-04	4.69E-04	4.12E-04	1.33E-07	4.01E-07	2.32E-07	2.84E-07	2.58E-07	1.18E-07	1.03E-07	4.43E-09	1.07E-07	2.36E-08	3.86E-08	6.12E-08	1.08E-08	6.81E-09	2.52E-07
2877	489372.4	3859142.58	3.46E-04	4.24E-04	3.72E-04	1.20E-07	3.62E-07	2.10E-07	2.57E-07	2.33E-07	1.06E-07	9.33E-08	4.01E-09	9.67E-08	2.13E-08	3.49E-08	5.53E-08	9.75E-09	6.15E-09	2.28E-07
2878	489422.4	3859142.58	3.45E-04	4.23E-04	3.71E-04	1.20E-07	3.61E-07	2.09E-07	2.56E-07	2.32E-07	1.06E-07	9.30E-08	3.99E-09	9.64E-08	2.13E-08	3.48E-08	5.51E-08	9.72E-09	6.13E-09	2.27E-07
2879	488870.84	3858666.64	1.49E-03	1.82E-03	1.61E-03	5.16E-07	1.56E-06	9.02E-07	1.10E-06	1.00E-06	4.57E-07	4.02E-07	1.72E-08	4.16E-07	9.18E-08	1.50E-07	2.38E-07	4.19E-08	2.65E-08	9.81E-07
2880	488900.84	3858666.64	1.40E-03	1.71E-03	1.51E-03	4.85E-07	1.46E-06	8.47E-07	1.04E-06	9.41E-07	4.29E-07	3.78E-07	1.62E-08	3.91E-07	8.63E-08	1.41E-07	2.24E-07	3.94E-08	2.49E-08	9.22E-07
2881	488870.84	3858696.64	1.61E-03	1.98E-03	1.74E-03	5.59E-07	1.69E-06	9.77E-07	1.20E-06	1.09E-06	4.95E-07	4.36E-07	1.87E-08	4.51E-07	9.95E-08	1.63E-07	2.58E-07	4.55E-08	2.88E-08	1.06E-06
2882	488900.84	3858696.64	1.50E-03	1.84E-03	1.62E-03	5.21E-07	1.57E-06	9.10E-07	1.11E-06	1.01E-06	4.61E-07	4.06E-07	1.74E-08	4.20E-07	9.27E-08	1.51E-07	2.40E-07	4.23E-08	2.68E-08	9.91E-07
2883	488889.67	3858683.97	1.49E-03	1.83E-03	1.61E-03	5.17E-07	1.56E-06	9.03E-07	1.11E-06	1.00E-06	4.58E-07	4.03E-07	1.73E-08	4.17E-07	9.20E-08	1.50E-07	2.38E-07	4.20E-08	2.66E-08	9.83E-07
2884	488919.67	3858683.97	1.40E-03	1.72E-03	1.51E-03	4.85E-07	1.46E-06	8.48E-07	1.04E-06	9.42E-07	4.30E-07	3.78E-07	1.62E-08	3.91E-07	8.64E-08	1.41E-07	2.24E-07	3.94E-08	2.50E-08	9.23E-07
2885	488889.67	3858713.97	1.62E-03	1.98E-03	1.75E-03	5.61E-07	1.69E-06	9.80E-07	1.20E-06	1.09E-06	4.97E-07	4.37E-07	1.87E-08	4.52E-07	9.98E-08	1.63E-07	2.59E-07	4.56E-08	2.88E-08	1.07E-06
2886	488919.67	3858713.97	1.50E-03	1.84E-03	1.62E-03	5.21E-07	1.57E-06	9.11E-07	1.12E-06	1.01E-06	4.62E-07	4.07E-07	1.74E-08	4.20E-07	9.28E-08	1.52E-07	2.40E-07	4.24E-08	2.68E-08	9.92E-07
2887	488906.61	3858703.33	1.51E-03	1.85E-03	1.63E-03	5.23E-07	1.58E-06	9.14E-07	1.12E-06	1.01E-06	4.63E-07	4.08E-07	1.75E-08	4.22E-07	9.30E-08	1.52E-07	2.41E-07	4.25E-08	2.69E-08	9.95E-07
2888	488936.61	3858703.33	1.41E-03	1.73E-03	1.52E-03	4.89E-07	1.48E-06	8.55E-07	1.05E-06	9.50E-07	4.33E-07	3.82E-07	1.63E-08	3.95E-07	8.71E-08	1.42E-07	2.26E-07	3.98E-08	2.52E-08	9.31E-07
2889	488906.61	3858733.33	1.64E-03	2.01E-03	1.77E-03	5.67E-07	1.71E-06	9.92E-07	1.21E-06	1.10E-06	5.03E-07	4.43E-07	1.89E-08	4.58E-07	1.01E-07	1.65E-07	2.62E-07	4.61E-08	2.92E-08	1.08E-06
2890	488936.61	3858733.33	1.52E-03	1.86E-03	1.64E-03	5.26E-07	1.59E-06	9.19E-07	1.13E-06	1.02E-06	4.66E-07	4.10E-07	1.76E-08	4.24E-07	9.36E-08	1.53E-07	2.43E-07	4.28E-08	2.71E-08	1.00E-06
2891	488637.63	3858467.85	1.48E-03	1.82E-03	1.60E-03	5.14E-07	1.55E-06	8.99E-07	1.10E-06	9.99E-07	4.56E-07	4.01E-07	1.72E-08	4.15E-07	9.16E-08	1.50E-07	2.37E-07	4.18E-08	2.65E-08	9.79E-07
2892	488662.63	3858467.85	1.42E-03	1.74E-03	1.53E-03	4.92E-07	1.49E-06	8.61E-07	1.05E-06	9.56E-07	4.36E-07	3.84E-07	1.64E-08	3.97E-07	8.76E-08	1.43E-07	2.27E-07	4.00E-08	2.53E-08	9.37E-07
2893	488637.63	3858492.85	1.57E-03	1.93E-03	1.70E-03	5.45E-07	1.65E-06	9.53E-07	1.17E-06	1.06E-06	4.83E-07	4.25E-07	1.82E-08	4.40E-07	9.70E-08	1.59E-07	2.51E-07	4.43E-08	2.80E-08	1.04E-06
2894	488662.63	3858492.85	1.50E-03	1.84E-03	1.62E-03	5.19E-07	1.57E-06	9.08E-07	1.11E-06	1.01E-06	4.60E-07	4.05E-07	1.73E-08	4.19E-07	9.24E-08	1.51E-07	2.40E-07	4.22E-08	2.67E-08	9.88E-07
2895	488687.63	3858492.85	1.43E-03	1.75E-03	1.54E-03	4.96E-07	1.50E-06	8.67E-07	1.06E-06	9.63E-07	4.39E-07	3.87E-07	1.66E-08	4.00E-07	8.83E-08	1.44E-07	2.29E-07	4.03E-08	2.55E-08	9.44E-07
2896	488637.63	3858517.85	1.68E-03	2.06E-03	1.81E-03	5.83E-07	1.76E-06	1.02E-06	1.25E-06	1.13E-06	5.16E-07	4.55E-07	1.95E-08	4.70E-07	1.04E-07	1.69E-07	2.69E-07	4.74E-08	3.00E-08	1.11E-06
2897	488662.63	3858517.85	1.59E-03	1.95E-03	1.72E-03	5.52E-07	1.67E-06	9.64E-07	1.18E-06	1.07E-06	4.89E-07	4.30E-07	1.84E-08	4.45E-07	9.82E-08	1.60E-07	2.55E-07	4.49E-08	2.84E-08	1.05E-06
2898	488687.63	3858517.85	1.51E-03	1.85E-03	1.63E-03	5.25E-07	1.58E-06	9.17E-07	1.12E-06	1.02E-06	4.65E-07	4.09E-07	1.75E-08	4.23E-07	9.34E-08	1.53E-07	2.42E-07	4.26E-08	2.70E-08	9.98E-07
2899	488194.42	3857168.98	1.70E-03	2.09E-03	1.81E-03	5.91E-07	1.78E-06	1.03E-06	1.26E-06	1.15E-06	5.23E-07	4.54E-07	1.97E-08	4.76E-07	1.05E-07	1.72E-07	2.72E-07	4.80E-08	3.00E-08	1.12E-06
2900	488244.42	3857168.98	1.64E-03	2.01E-03	1.75E-03	5.69E-07	1.72E-06	9.95E-07	1.22E-06	1.11E-06	5.04E-07	4.38E-07	1.90E-08	4.59E-07	1.01E-07	1.66E-07	2.63E-07	4.63E-08	2.89E-08	1.08E-06
2901	488294.42	3857168.98	1.59E-03	1.95E-03	1.69E-03	5.51E-07	1.66E-06	9.62E-07	1.18E-06	1.07E-06	4.87E-07	4.24E-07	1.84E-08	4.44E-07	9.80E-08	1.60E-07	2.54E-07	4.47E-08	2.80E-08	1.05E-06
2902	488244.42	3857218.98	1.67E-03	2.04E-03	1.77E-03	5.78E-07	1.75E-06	1.01E-06	1.24E-06	1.12E-06	5.12E-07	4.45E-07	1.93E-08	4.66E-07	1.03E-07	1.68E-07	2.66E-07	4.70E-08	2.93E-08	1.10E-06
2903	488294.42	3857218.98	1.61E-03	1.97E-03	1.71E-03	5.58E-07	1.68E-06	9.75E-07	1.19E-06	1.08E-06	4.94E-07	4.29E-07	1.86E-08	4.50E-07	9.93E-08	1.62E-07	2.57E-07	4.53E-08	2.83E-08	1.06E-06
2904	488294.42	3857268.98	1.63E-03	1.99E-03	1.73E-03	5.64E-07	1.70E-06	9.86E-07	1.21E-06	1.10E-06	5.00E-07	4.34E-07	1.88E-08	4.55E-07	1.00E-07	1.64E-07	2.60E-07	4.59E-08	2.86E-08	1.07E-06
2905	488139.13	3857111.68	1.74E-03	2.13E-03	1.85E-03	6.02E-07	1.82E-06	1.05E-06	1.29E-06	1.17E-06	5.33E-07	4.64E-07	2.01E-08	4.86E-07	1.07E-07	1.75E-07	2.78E-07	4.89E-08	3.06E-08	1.15E-06
2906	488189.13	3857111.68	1.68E-03	2.05E-03	1.79E-03	5.81E-07	1.75E-06	1.02E-06	1.24E-06	1.13E-06	5.14E-07	4.47E-07	1.94E-08	4.68E-07	1.03E-07	1.69E-07	2.68E-07	4.72E-08	2.95E-08	1.10E-06
2907	488189.13	3857161.68	1.71E-03	2.09E-03	1.82E-03	5.91E-07	1.79E-06	1.03E-06	1.27E-06	1.15E-06	5.24E-07	4.55E-07	1.97E-08	4.77E-07	1.05E-07	1.72E-07	2.73E-07	4.81E-08	3.00E-08	1.12E-06
2908	487951.04	3856961.26	1.88E-03	2.30E-03	2.01E-03	6.51E-07	1.97E-06	1.14E-06	1.39E-06	1.26E-06	5.77E-07	5.04E-07	2.17E-08	5.25E-07	1.16E-07	1.89E-07	3.00E-07	5.29E-08	3.32E-08	1.24E-06
2909	488001.04	3856961.26	1.81E-03	2.22E-03	1.94E-03	6.29E-07	1.90E-06	1.10E-06	1.35E-06	1.22E-06	5.57E-07	4.87E-07	2.10E-08	5.07E-07	1.12E-07	1.83E-07	2.90E-07	5.11E-08	3.21E-08	1.20E-06
2910	488051.04	3856961.26	1.76E-03	2.15E-03	1.88E-03	6.09E-07	1.84E-06	1.06E-06	1.30E-06	1.18E-06	5.39E-07	4.71E-07	2.03E-08	4.91E-07	1.08E-07	1.77E-07	2.81E-07	4.95E-08	3.11E-08	1.16E-06
2911	488101.04	3856961.26	1.70E-03	2.08E-03	1.81E-03	5.88E-07	1.77E-06	1.03E-06	1.26E-06	1.14E-06	5.20E-07	4.54E-07	1.96E-08	4.74E-07	1.05E-07	1.71E-07	2.71E-07	4.77E-08	3.00E-08	1.12E-06
2912	487951.04	3857011.26	1.91E-03	2.34E-03	2.04E-03	6.61E-07	2.00E-06	1.16E-06	1.42E-06	1.28E-06	5.85E-07	5.11E-07	2.21E-08	5.33E-07	1.18E-07	1.92E-07	3.05E-07	5.37E-08	3.37E-08	1.26E-06
2913	488001.04	3857011.26	1.85E-03	2.26E-03	1.97E-03	6.40E-07	1.93E-06	1.12E-06	1.37E-06	1.24E-06	5.66E-07	4.94E-07	2.14E-08	5.16E-07	1.14E-07	1.86E-07	2.95E-07	5.20E-08	3.26E-08	1.22E-06
2914	488051.04	3857011.26	1.79E-03	2.19E-03	1.91E-03	6.19E-07	1.87E-06	1.08E-06	1.33E-06	1.20E-06	5.48E-07	4.78E-07	2.07E-08	4.99E-07	1.10E-07	1.80E-07	2.85E-07	5.03E-08	3.15E-08	1.18E-06
2915	488101.04	3857011.26	1.72E-03	2.11E-03	1.84E-03	5.97E-07	1.80E-06	1.04E-06	1.28E-06	1.16E-06	5.29E-07	4.61E-07	1.99E-08	4.82E-07	1.06E-07	1.74E-07	2.75E-07	4.85E-08	3.04E-08	1.14E-06
2916	488001.04	3857061.26	1.88E-03	2.30E-03	2.00E-03	6.51E-07	1.97E-06	1.14E-06	1.39E-06	1.26E-06	5.76E-07	5.02E-07	2.17E-08	5.25E-07	1.16E-07	1.89E-07	3.00E-07	5.29E-08	3.31E-08	1.24E-06
2917	488051.04	3857061.26	1.81E-03	2.22E-03	1.93E-03	6.28E-07	1.90E-06	1.10E-06	1.35E-06	1.22E-06	5.56E-07	4.85E-07	2.10E-08	5.07E-07	1.12E-07	1.83E-07	2.90E-07	5.11E-08	3.20E-08	1.20E-06
2918	488101.04	3857061.26	1.75E-03	2.14E-03	1.87E-03	6.07E-07	1.83E-06	1.06E-06	1.30E-06	1.18E-06	5.37E-07	4.68E-07	2.03E-08	4.89E-07	1.08E-07	1.76E-07	2.80E-07	4.93E-08	3.09E-08	1.15E-06
2919	487638.98	3856673.79	2.10E-03	2.58E-03	2.27E-03	7.29E-07	2.20E-06	1.27E-06	1.56E-06	1.41E-06	6.45E-07	5.68E-07	2.43E-08	5.88E-07	1.30E-07	2.12E-07	3.36E-07	5.92E-08	3.74E-08	1.39E-06
2920	487688.98	3856673.79	2.03E-03	2.48E-03	2.18E-03	7.02E-07	2.12E-06	1.23E-06	1.50E-06	1.36E-06	6.22E-07	5.47E-07	2.34E-08	5.66E-07	1.25E-07	2.04E-07	3.24E-07	5.70E-08	3.61E-08	1.34E-06
2921	487638.98	3856723.79	2.17E-03	2.66E-03	2.34E-03	7.52E-07	2.27E-06	1.31E-06	1.61E-06	1.46E-06	6.66E-07	5.85E-07	2.51E-08	6.06E-07	1.34E-07	2.18E-07	3.47E-07	6.11E-08	3.86E-08	1.43E-06

2922	487688.98	3856723.79	2.09E-03	2.55E-03	2.25E-03	7.23E-07	2.18E-06	1.26E-06	1.55E-06	1.40E-06	6.40E-07	5.63E-07	2.41E-08	5.83E-07	1.29E-07	2.10E-07	3.33E-07	5.87E-08	3.71E-08	1.37E-06
2923	486324.61	3855740.57	2.25E-03	2.76E-03	2.42E-03	7.80E-07	2.35E-06	1.36E-06	1.67E-06	1.51E-06	6.90E-07	6.08E-07	2.60E-08	6.29E-07	1.39E-07	2.27E-07	3.60E-07	6.34E-08	4.01E-08	1.48E-06
2924	486374.61	3855740.57	2.10E-03	2.57E-03	2.26E-03	7.28E-07	2.20E-06	1.27E-06	1.56E-06	1.41E-06	6.45E-07	5.67E-07	2.43E-08	5.87E-07	1.30E-07	2.12E-07	3.36E-07	5.92E-08	3.74E-08	1.39E-06
2925	486424.61	3855740.57	2.01E-03	2.46E-03	2.17E-03	6.96E-07	2.10E-06	1.22E-06	1.49E-06	1.35E-06	6.17E-07	5.43E-07	2.33E-08	5.62E-07	1.24E-07	2.02E-07	3.21E-07	5.66E-08	3.58E-08	1.32E-06
2926	486324.61	3855790.57	2.36E-03	2.90E-03	2.55E-03	8.20E-07	2.47E-06	1.43E-06	1.75E-06	1.59E-06	7.26E-07	6.39E-07	2.74E-08	6.61E-07	1.46E-07	2.38E-07	3.78E-07	6.66E-08	4.21E-08	1.56E-06
2927	486374.61	3855790.57	2.21E-03	2.71E-03	2.38E-03	7.67E-07	2.32E-06	1.34E-06	1.64E-06	1.49E-06	6.79E-07	5.98E-07	2.56E-08	6.18E-07	1.36E-07	2.23E-07	3.54E-07	6.23E-08	3.94E-08	1.46E-06
2928	486424.61	3855790.57	2.13E-03	2.61E-03	2.30E-03	7.39E-07	2.23E-06	1.29E-06	1.58E-06	1.43E-06	6.54E-07	5.76E-07	2.47E-08	5.96E-07	1.31E-07	2.15E-07	3.41E-07	6.00E-08	3.80E-08	1.41E-06
2929	486324.61	3855840.57	2.49E-03	3.05E-03	2.68E-03	8.63E-07	2.60E-06	1.51E-06	1.85E-06	1.67E-06	7.64E-07	6.72E-07	2.88E-08	6.96E-07	1.54E-07	2.51E-07	3.98E-07	7.01E-08	4.43E-08	1.64E-06
2930	486374.61	3855840.57	2.38E-03	2.91E-03	2.57E-03	8.25E-07	2.49E-06	1.44E-06	1.77E-06	1.60E-06	7.30E-07	6.43E-07	2.75E-08	6.65E-07	1.47E-07	2.40E-07	3.80E-07	6.70E-08	4.24E-08	1.57E-06
2931	486424.61	3855840.57	2.27E-03	2.77E-03	2.44E-03	7.85E-07	2.37E-06	1.37E-06	1.68E-06	1.52E-06	6.95E-07	6.12E-07	2.62E-08	6.33E-07	1.40E-07	2.28E-07	3.62E-07	6.38E-08	4.04E-08	1.49E-06
2932	486324.61	3855890.57	2.69E-03	3.30E-03	2.90E-03	9.33E-07	2.82E-06	1.63E-06	2.00E-06	1.81E-06	8.26E-07	7.27E-07	3.11E-08	7.52E-07	1.66E-07	2.71E-07	4.30E-07	7.58E-08	4.80E-08	1.77E-06
2933	486374.61	3855890.57	2.56E-03	3.13E-03	2.76E-03	8.86E-07	2.67E-06	1.55E-06	1.90E-06	1.72E-06	7.85E-07	6.91E-07	2.96E-08	7.15E-07	1.58E-07	2.58E-07	4.09E-07	7.20E-08	4.56E-08	1.69E-06
2934	486424.61	3855890.57	2.42E-03	2.96E-03	2.61E-03	8.39E-07	2.53E-06	1.47E-06	1.80E-06	1.63E-06	7.43E-07	6.54E-07	2.80E-08	6.76E-07	1.49E-07	2.44E-07	3.87E-07	6.82E-08	4.31E-08	1.60E-06
2935	488735.69	3858285.64	1.06E-03	1.29E-03	1.14E-03	3.66E-07	1.10E-06	6.39E-07	7.83E-07	7.10E-07	3.24E-07	2.85E-07	1.22E-08	2.95E-07	6.51E-08	1.06E-07	1.69E-07	2.97E-08	1.88E-08	6.96E-07
2936	488765.69	3858285.64	1.03E-03	1.26E-03	1.11E-03	3.57E-07	1.08E-06	6.24E-07	7.64E-07	6.93E-07	3.16E-07	2.78E-07	1.19E-08	2.88E-07	6.35E-08	1.04E-07	1.65E-07	2.90E-08	1.83E-08	6.79E-07
2937	488735.69	3858315.64	1.08E-03	1.32E-03	1.16E-03	3.73E-07	1.12E-06	6.51E-07	7.98E-07	7.23E-07	3.30E-07	2.90E-07	1.24E-08	3.01E-07	6.63E-08	1.08E-07	1.72E-07	3.03E-08	1.91E-08	7.09E-07
2938	488765.69	3858315.64	1.05E-03	1.28E-03	1.13E-03	3.63E-07	1.10E-06	6.35E-07	7.77E-07	7.05E-07	3.21E-07	2.83E-07	1.21E-08	2.93E-07	6.46E-08	1.06E-07	1.67E-07	2.95E-08	1.86E-08	6.91E-07
2939	478676.63	3849871.93	2.61E-05	3.20E-05	2.81E-05	9.05E-09	2.73E-08	1.58E-08	1.94E-08	1.76E-08	8.02E-09	7.03E-09	3.02E-10	7.30E-09	1.61E-09	2.63E-09	4.17E-09	7.36E-10	4.64E-10	1.72E-08
2940	479326.63	3849871.93	3.21E-05	3.94E-05	3.45E-05	1.11E-08	3.36E-08	1.95E-08	2.38E-08	2.16E-08	9.86E-09	8.64E-09	3.72E-10	8.98E-09	1.98E-09	3.24E-09	5.13E-09	9.05E-10	5.70E-10	2.12E-08
2941	479376.63	3849871.93	3.24E-05	3.97E-05	3.48E-05	1.12E-08	3.39E-08	1.97E-08	2.41E-08	2.18E-08	9.96E-09	8.73E-09	3.75E-10	9.07E-09	2.00E-09	3.27E-09	5.19E-09	9.14E-10	5.76E-10	2.14E-08
2942	479426.63	3849871.93	3.28E-05	4.02E-05	3.52E-05	1.14E-08	3.43E-08	1.99E-08	2.44E-08	2.21E-08	1.01E-08	8.83E-09	3.80E-10	9.17E-09	2.02E-09	3.31E-09	5.25E-09	9.24E-10	5.83E-10	2.16E-08
2943	478726.63	3849921.93	2.66E-05	3.26E-05	2.86E-05	9.21E-09	2.78E-08	1.61E-08	1.97E-08	1.79E-08	8.16E-09	7.16E-09	3.08E-10	7.43E-09	1.64E-09	2.68E-09	4.25E-09	7.49E-10	4.72E-10	1.75E-08
2944	478776.63	3849921.93	2.71E-05	3.32E-05	2.91E-05	9.38E-09	2.83E-08	1.64E-08	2.01E-08	1.82E-08	8.31E-09	7.29E-09	3.13E-10	7.57E-09	1.67E-09	2.73E-09	4.33E-09	7.62E-10	4.81E-10	1.78E-08
2945	478826.63	3849921.93	2.75E-05	3.37E-05	2.96E-05	9.55E-09	2.88E-08	1.67E-08	2.04E-08	1.85E-08	8.46E-09	7.42E-09	3.19E-10	7.70E-09	1.70E-09	2.78E-09	4.40E-09	7.76E-10	4.89E-10	1.82E-08
2946	478976.63	3849921.93	2.90E-05	3.56E-05	3.12E-05	1.01E-08	3.04E-08	1.76E-08	2.15E-08	1.95E-08	8.91E-09	7.82E-09	3.36E-10	8.12E-09	1.79E-09	2.93E-09	4.64E-09	8.18E-10	5.16E-10	1.91E-08
2947	479026.63	3849921.93	2.97E-05	3.64E-05	3.19E-05	1.03E-08	3.11E-08	1.80E-08	2.21E-08	2.00E-08	9.13E-09	8.00E-09	3.44E-10	8.31E-09	1.83E-09	3.00E-09	4.75E-09	8.37E-10	5.28E-10	1.96E-08
2948	479076.63	3849921.93	3.03E-05	3.71E-05	3.25E-05	1.05E-08	3.17E-08	1.84E-08	2.25E-08	2.04E-08	9.30E-09	8.15E-09	3.51E-10	8.47E-09	1.87E-09	3.05E-09	4.84E-09	8.53E-10	5.38E-10	2.00E-08
2949	479126.63	3849921.93	3.08E-05	3.77E-05	3.31E-05	1.07E-08	3.22E-08	1.87E-08	2.29E-08	2.07E-08	9.46E-09	8.29E-09	3.57E-10	8.61E-09	1.90E-09	3.10E-09	4.93E-09	8.68E-10	5.47E-10	2.03E-08
2950	479176.63	3849921.93	3.14E-05	3.85E-05	3.37E-05	1.09E-08	3.29E-08	1.90E-08	2.33E-08	2.11E-08	9.64E-09	8.46E-09	3.64E-10	8.78E-09	1.94E-09	3.16E-09	5.02E-09	8.85E-10	5.58E-10	2.07E-08
2951	479226.63	3849921.93	3.17E-05	3.89E-05	3.41E-05	1.10E-08	3.32E-08	1.92E-08	2.35E-08	2.13E-08	9.74E-09	8.54E-09	3.67E-10	8.87E-09	1.96E-09	3.20E-09	5.07E-09	8.94E-10	5.63E-10	2.09E-08
2952	479276.63	3849921.93	3.17E-05	3.89E-05	3.41E-05	1.10E-08	3.32E-08	1.92E-08	2.36E-08	2.14E-08	9.74E-09	8.54E-09	3.67E-10	8.87E-09	1.96E-09	3.20E-09	5.07E-09	8.94E-10	5.63E-10	2.09E-08
2953	479326.63	3849921.93	3.27E-05	4.01E-05	3.51E-05	1.13E-08	3.42E-08	1.98E-08	2.43E-08	2.20E-08	1.00E-08	8.80E-09	3.78E-10	9.14E-09	2.02E-09	3.29E-09	5.23E-09	9.21E-10	5.80E-10	2.16E-08
2954	479376.63	3849921.93	3.27E-05	4.00E-05	3.51E-05	1.13E-08	3.42E-08	1.98E-08	2.42E-08	2.20E-08	1.00E-08	8.79E-09	3.78E-10	9.13E-09	2.01E-09	3.29E-09	5.22E-09	9.20E-10	5.80E-10	2.15E-08
2955	479426.63	3849921.93	3.33E-05	4.08E-05	3.58E-05	1.16E-08	3.49E-08	2.02E-08	2.47E-08	2.24E-08	1.02E-08	8.97E-09	3.86E-10	9.32E-09	2.06E-09	3.36E-09	5.33E-09	9.39E-10	5.92E-10	2.20E-08
2956	478726.63	3849971.93	2.66E-05	3.26E-05	2.86E-05	9.21E-09	2.78E-08	1.61E-08	1.97E-08	1.79E-08	8.16E-09	7.16E-09	3.08E-10	7.43E-09	1.64E-09	2.68E-09	4.25E-09	7.49E-10	4.72E-10	1.75E-08
2957	478776.63	3849971.93	2.70E-05	3.31E-05	2.91E-05	9.37E-09	2.83E-08	1.64E-08	2.01E-08	1.82E-08	8.30E-09	7.28E-09	3.13E-10	7.56E-09	1.67E-09	2.72E-09	4.32E-09	7.61E-10	4.80E-10	1.78E-08
2958	478826.63	3849971.93	2.75E-05	3.37E-05	2.95E-05	9.53E-09	2.88E-08	1.67E-08	2.04E-08	1.85E-08	8.44E-09	7.40E-09	3.18E-10	7.69E-09	1.70E-09	2.77E-09	4.39E-09	7.74E-10	4.88E-10	1.81E-08
2959	478976.63	3849971.93	2.92E-05	3.58E-05	3.14E-05	1.01E-08	3.06E-08	1.77E-08	2.17E-08	1.96E-08	8.97E-09	7.86E-09	3.38E-10	8.17E-09	1.80E-09	2.94E-09	4.67E-09	8.23E-10	5.19E-10	1.93E-08
2960	479026.63	3849971.93	2.97E-05	3.64E-05	3.19E-05	1.03E-08	3.11E-08	1.80E-08	2.20E-08	2.00E-08	9.12E-09	8.00E-09	3.44E-10	8.31E-09	1.83E-09	2.99E-09	4.75E-09	8.37E-10	5.28E-10	1.96E-08
2961	479076.63	3849971.93	3.02E-05	3.70E-05	3.25E-05	1.05E-08	3.16E-08	1.83E-08	2.24E-08	2.03E-08	9.28E-09	8.13E-09	3.50E-10	8.45E-09	1.86E-09	3.04E-09	4.83E-09	8.51E-10	5.37E-10	1.99E-08
2962	479126.63	3849971.93	3.08E-05	3.77E-05	3.31E-05	1.07E-08	3.22E-08	1.86E-08	2.28E-08	2.07E-08	9.45E-09	8.29E-09	3.56E-10	8.60E-09	1.90E-09	3.10E-09	4.92E-09	8.67E-10	5.47E-10	2.03E-08
2963	479176.63	3849971.93	3.14E-05	3.84E-05	3.37E-05	1.09E-08	3.28E-08	1.90E-08	2.33E-08	2.11E-08	9.63E-09	8.44E-09	3.63E-10	8.77E-09	1.93E-09	3.16E-09	5.01E-09	8.83E-10	5.57E-10	2.07E-08
2964	479226.63	3849971.93	3.13E-05	3.83E-05	3.36E-05	1.08E-08	3.27E-08	1.89E-08	2.32E-08	2.10E-08	9.60E-09	8.42E-09	3.62E-10	8.74E-09	1.93E-09	3.15E-09	5.00E-09	8.81E-10	5.55E-10	2.06E-08
2965	479276.63	3849971.93	3.22E-05	3.95E-05	3.46E-05	1.12E-08	3.37E-08	1.95E-08	2.39E-08	2.17E-08	9.89E-09	8.68E-09	3.73E-10	9.01E-09	1.99E-09	3.25E-09	5.15E-09	9.08E-10	5.72E-10	2.13E-08
2966	479326.63	3849971.93	3.30E-05	4.04E-05	3.54E-05	1.14E-08	3.45E-08	2.00E-08	2.45E-08	2.22E-08	1.01E-08	8.88E-09	3.82E-10	9.22E-09	2.04E-09	3.32E-09	5.27E-09	9.29E-10	5.86E-10	2.18E-08
2967	479376.63	3849971.93	3.30E-05	4.05E-05	3.55E-05	1.14E-08	3.46E-08	2.00E-08	2.45E-08	2.22E-08	1.01E-08	8.89E-09	3.82E-10	9.24E-09	2.04E-09	3.33E-09	5.28E-09	9.31E-10	5.86E-10	2.18E-08
2968	479426.63	3849971.93	3.36E-05	4.11E-05	3.61E-05	1.16E-08	3.51E-08	2.03E-08	2.49E-08	2.26E-08	1.03E-08	9.03E-09	3.89E-10	9.38E-09	2.07E-09	3.38E-09	5.37E-09	9.46E-10	5.96E-10	2.21E-08
2969	478726.63	3850021.93	2.66E-05	3.26E-05	2.86E-05	9.21E-09	2.78E-08	1.61E-08	1.97E-08	1.79E-08	8.16E-09	7.16E-09	3.08E-10	7.43E-09	1.64E-09	2.68E-09	4.25E-09	7.49E-10	4.72E-10	1.75E-08
2970	478776.63	3850021.93	2.70E-05	3.31E-05	2.90E-05	9.36E-09	2.83E-08	1.64E-08	2.00E-08	1.82E-08	8.29E-09	7.27E-09	3.13E-10	7.55E-09	1.67E-09	2.72E-09	4.32E-09	7.61E-10	4.80E-10	1.78E-08
2971	478826.63	3850021.93	2.75E-05	3.37E-05	2.95E-05	9.52E-09	2.88E-08	1.66E-08	2.04E-08	1.85E-08	8.44E-09	7.40E-09	3.18E-10	7.68E-09	1.70E-09	2.77E-09	4.39E-09	7.74E-10	4.88E-10	1.81E-08
2972	478976.63	3850021.93	2.92E-05	3.57E-05	3.13E-05	1.01E-08	3.05E-08	1.77E-08	2.16E-08	1.96E-08	8.95E-09	7.85E-09	3.37E-10	8.15E-09	1.80E-09	2.94E-09	4.66E-09	8.21E-10	5.18E-10	1.92E-08
2973	478726.63	3850071.93	2.66E-05	3.26E-05	2.86E-05	9.23E-09	2.79E-08	1.61E-08	1.98E-08	1.79E-08	8.18E-09	7.17E-09	3.08E-10	7.45E-09	1.64E-09	2.68E-09	4.26E-09	7.50E-10	4.73E-10	1.76E-08
2974	478776.63	3850071.93	2.71E-05	3.31E-05	2.91E-05	9.38E-09	2.83E-08	1.64E-08	2.01E-08	1.82E-08	8.30E-09	7.28E-09	3.13E-10	7.56E-09	1.67E-09	2.73E-09	4.32E-09	7.62E-10	4.81E-10	1.78E-08
2975	478826.63	3850071.93	2.75E-05	3.37E-05	2.96E-05	9.53E-09	2.88E-08	1.67E-08	2.04E-08	1.85E-08	8.44E-09	7.41E-09	3.18E-10	7.69E-09	1.70E-09	2.77E-09	4.40E-09	7.75E-10	4.89E-10	1.81E-08
2976	478876.63	3850071.93	2.80E-05	3.43E-05	3.01E-05	9.71E-09	2.93E-08	1.70E-08	2.08E-08	1.88E-08	8.60E-09	7.54E-09	3.24E-10	7.83E-09	1.73E-09	2.82E-09	4.48E-09	7.89E-10	4.97E-10	1.85E-08
2977	478976.63	3850071.93	2.91E-05	3.57E-05	3.13E-05	1.01E-08	3.05E-08	1.77E-08	2.16E-08	1.96E-08	8.94E-09	7.85E-09	3.37E-10	8.15E-09	1.80E-09	2.94E-09	4.66E-09	8.21E-10	5.18E-10	1.92E-08
2978	478726.63	3850121.93	2.67E-05	3.28E-05	2.87E-05	9.27E-09	2.80E-08	1.62E-08	1.98E-08	1.80E-08	8.21E-09	7.20E-09	3.10E-10	7.48E-09	1.65E-09	2.69E-09	4.27E-09	7.53E-10	4.75E-10	1.76E-08
2979	478776.63	3850121.93	2.72E-05	3.33E-05	2.92E-05	9.42E-09	2.84E-08	1.65E-08	2.02E-08	1.83E-08	8.34E-09	7.32E-09	3.15E-10	7.60E-09	1.68E-09	2.74E-09	4.34E-09	7.66E-10	4.83E-10	1.79E-08
2980	478826.63	3850121.93	2.76E-05	3.38E-05	2.97E-05	9.56E-09	2.89E-08	1.67E-08	2.05E-08	1.86E-08	8.47E-09	7.43E-09	3.19E-10	7.71E-09	1.70E-09	2.78E-09	4.41E-09	7.77E-10	4.90E-10	1.82E-08
2981	478876.63	3850121.93	2.80E-05	3.43E-05	3.01E-05	9.71E-09	2.93E-08	1.70E-08	2.08E-08	1.89E-08	8.60E-09	7.55E-09	3.24E-10	7.84E-09	1.73E-09	2.82E-09	4.48E-09	7.90E-10	4.98E-10	1.85E-08
2982	478976.63	3850121.93	2.92E-05	3.57E-05	3.13E-05	1.01E-08	3.05E-08	1.77E-08	2.16E-08	1.96E-08	8.95E-09	7.85E-09	3.37E-10	8.15E-09	1.80E-09	2.94E-09	4.66E-09	8.21E-10	5.18E-10	1.92E-08

2983	479026.63	3850121.93	2.97E-05	3.64E-05	3.19E-05	1.03E-08	3.11E-08	1.80E-08	2.20E-08	2.00E-08	9.12E-09	8.00E-09	3.44E-10	8.30E-09	1.83E-09	2.99E-09	4.75E-09	8.37E-10	5.28E-10	1.96E-08
2984	479076.63	3850121.93	3.02E-05	3.70E-05	3.25E-05	1.05E-08	3.16E-08	1.83E-08	2.24E-08	2.03E-08	9.28E-09	8.14E-09	3.50E-10	8.45E-09	1.86E-09	3.05E-09	4.83E-09	8.51E-10	5.37E-10	1.99E-08
2985	479126.63	3850121.93	3.08E-05	3.77E-05	3.31E-05	1.07E-08	3.22E-08	1.86E-08	2.28E-08	2.07E-08	9.44E-09	8.28E-09	3.56E-10	8.60E-09	1.90E-09	3.10E-09	4.92E-09	8.67E-10	5.46E-10	2.03E-08
2986	478776.63	3850171.93	2.73E-05	3.34E-05	2.93E-05	9.44E-09	2.85E-08	1.65E-08	2.02E-08	1.83E-08	8.36E-09	7.34E-09	3.15E-10	7.62E-09	1.68E-09	2.75E-09	4.36E-09	7.68E-10	4.84E-10	1.80E-08
2987	478826.63	3850171.93	2.76E-05	3.39E-05	2.97E-05	9.58E-09	2.89E-08	1.67E-08	2.05E-08	1.86E-08	8.49E-09	7.44E-09	3.20E-10	7.73E-09	1.71E-09	2.79E-09	4.42E-09	7.79E-10	4.91E-10	1.82E-08
2988	478876.63	3850171.93	2.81E-05	3.44E-05	3.02E-05	9.73E-09	2.94E-08	1.70E-08	2.08E-08	1.89E-08	8.62E-09	7.56E-09	3.25E-10	7.85E-09	1.73E-09	2.83E-09	4.49E-09	7.91E-10	4.99E-10	1.85E-08
2989	478976.63	3850171.93	2.92E-05	3.57E-05	3.13E-05	1.01E-08	3.05E-08	1.77E-08	2.16E-08	1.96E-08	8.95E-09	7.85E-09	3.37E-10	8.15E-09	1.80E-09	2.94E-09	4.66E-09	8.21E-10	5.18E-10	1.92E-08
2990	479026.63	3850171.93	2.97E-05	3.64E-05	3.20E-05	1.03E-08	3.11E-08	1.80E-08	2.21E-08	2.00E-08	9.13E-09	8.01E-09	3.44E-10	8.31E-09	1.83E-09	3.00E-09	4.75E-09	8.38E-10	5.28E-10	1.96E-08
2991	479076.63	3850171.93	3.03E-05	3.71E-05	3.25E-05	1.05E-08	3.17E-08	1.83E-08	2.24E-08	2.03E-08	9.29E-09	8.15E-09	3.50E-10	8.46E-09	1.87E-09	3.05E-09	4.84E-09	8.52E-10	5.37E-10	1.99E-08
2992	479126.63	3850171.93	3.08E-05	3.77E-05	3.31E-05	1.07E-08	3.22E-08	1.87E-08	2.28E-08	2.07E-08	9.45E-09	8.29E-09	3.56E-10	8.61E-09	1.90E-09	3.10E-09	4.92E-09	8.67E-10	5.47E-10	2.03E-08
2993	479176.63	3850171.93	3.14E-05	3.85E-05	3.37E-05	1.09E-08	3.29E-08	1.90E-08	2.33E-08	2.11E-08	9.64E-09	8.46E-09	3.63E-10	8.78E-09	1.94E-09	3.16E-09	5.02E-09	8.85E-10	5.58E-10	2.07E-08
2994	479226.63	3850171.93	3.22E-05	3.94E-05	3.46E-05	1.11E-08	3.37E-08	1.95E-08	2.39E-08	2.16E-08	9.87E-09	8.66E-09	3.72E-10	8.99E-09	1.98E-09	3.24E-09	5.14E-09	9.06E-10	5.71E-10	2.12E-08
2995	479276.63	3850171.93	3.29E-05	4.03E-05	3.54E-05	1.14E-08	3.44E-08	1.99E-08	2.44E-08	2.21E-08	1.01E-08	8.86E-09	3.81E-10	9.20E-09	2.03E-09	3.32E-09	5.26E-09	9.27E-10	5.85E-10	2.17E-08
2996	479326.63	3850171.93	3.34E-05	4.09E-05	3.59E-05	1.16E-08	3.50E-08	2.02E-08	2.48E-08	2.25E-08	1.03E-08	9.00E-09	3.87E-10	9.34E-09	2.06E-09	3.37E-09	5.34E-09	9.41E-10	5.94E-10	2.20E-08
2997	479376.63	3850171.93	3.39E-05	4.15E-05	3.64E-05	1.18E-08	3.55E-08	2.05E-08	2.52E-08	2.28E-08	1.04E-08	9.13E-09	3.92E-10	9.48E-09	2.09E-09	3.42E-09	5.42E-09	9.55E-10	6.02E-10	2.24E-08
2998	478676.63	3850221.93	2.66E-05	3.25E-05	2.86E-05	9.21E-09	2.78E-08	1.61E-08	1.97E-08	1.79E-08	8.15E-09	7.15E-09	3.07E-10	7.43E-09	1.64E-09	2.68E-09	4.25E-09	7.48E-10	4.72E-10	1.75E-08
2999	478726.63	3850221.93	2.70E-05	3.30E-05	2.90E-05	9.35E-09	2.82E-08	1.63E-08	2.00E-08	1.81E-08	8.28E-09	7.26E-09	3.12E-10	7.54E-09	1.66E-09	2.72E-09	4.31E-09	7.60E-10	4.79E-10	1.78E-08
3000	478976.63	3850221.93	2.92E-05	3.58E-05	3.14E-05	1.01E-08	3.06E-08	1.77E-08	2.17E-08	1.96E-08	8.97E-09	7.87E-09	3.38E-10	8.17E-09	1.80E-09	2.94E-09	4.67E-09	8.23E-10	5.19E-10	1.93E-08
3001	479026.63	3850221.93	2.98E-05	3.65E-05	3.20E-05	1.03E-08	3.11E-08	1.80E-08	2.21E-08	2.00E-08	9.14E-09	8.01E-09	3.44E-10	8.32E-09	1.84E-09	3.00E-09	4.76E-09	8.38E-10	5.29E-10	1.96E-08
3002	479076.63	3850221.93	3.03E-05	3.71E-05	3.25E-05	1.05E-08	3.17E-08	1.83E-08	2.25E-08	2.04E-08	9.29E-09	8.15E-09	3.50E-10	8.46E-09	1.87E-09	3.05E-09	4.84E-09	8.53E-10	5.38E-10	2.00E-08
3003	479126.63	3850221.93	3.08E-05	3.78E-05	3.31E-05	1.07E-08	3.23E-08	1.87E-08	2.29E-08	2.07E-08	9.46E-09	8.30E-09	3.57E-10	8.62E-09	1.90E-09	3.11E-09	4.93E-09	8.69E-10	5.48E-10	2.03E-08
3004	479176.63	3850221.93	3.15E-05	3.86E-05	3.39E-05	1.09E-08	3.30E-08	1.91E-08	2.34E-08	2.12E-08	9.67E-09	8.48E-09	3.65E-10	8.81E-09	1.94E-09	3.17E-09	5.04E-09	8.87E-10	5.60E-10	2.08E-08
3005	479226.63	3850221.93	3.22E-05	3.94E-05	3.46E-05	1.12E-08	3.37E-08	1.95E-08	2.39E-08	2.17E-08	9.88E-09	8.67E-09	3.73E-10	9.00E-09	1.99E-09	3.24E-09	5.15E-09	9.07E-10	5.72E-10	2.12E-08
3006	479276.63	3850221.93	3.29E-05	4.03E-05	3.53E-05	1.14E-08	3.44E-08	1.99E-08	2.44E-08	2.21E-08	1.01E-08	8.85E-09	3.80E-10	9.19E-09	2.03E-09	3.31E-09	5.25E-09	9.26E-10	5.84E-10	2.17E-08
3007	479326.63	3850221.93	3.34E-05	4.09E-05	3.59E-05	1.16E-08	3.49E-08	2.02E-08	2.48E-08	2.24E-08	1.02E-08	8.98E-09	3.86E-10	9.33E-09	2.06E-09	3.36E-09	5.33E-09	9.40E-10	5.93E-10	2.20E-08
3008	479376.63	3850221.93	3.39E-05	4.16E-05	3.65E-05	1.18E-08	3.55E-08	2.06E-08	2.52E-08	2.28E-08	1.04E-08	9.14E-09	3.93E-10	9.49E-09	2.09E-09	3.42E-09	5.42E-09	9.56E-10	6.03E-10	2.24E-08
3009	478676.63	3850271.93	2.68E-05	3.28E-05	2.88E-05	9.28E-09	2.80E-08	1.62E-08	1.99E-08	1.80E-08	8.22E-09	7.21E-09	3.10E-10	7.49E-09	1.65E-09	2.70E-09	4.28E-09	7.54E-10	4.76E-10	1.77E-08
3010	478726.63	3850271.93	2.71E-05	3.33E-05	2.92E-05	9.41E-09	2.84E-08	1.64E-08	2.01E-08	1.83E-08	8.33E-09	7.31E-09	3.14E-10	7.59E-09	1.67E-09	2.74E-09	4.34E-09	7.65E-10	4.82E-10	1.79E-08
3011	478976.63	3850271.93	2.92E-05	3.58E-05	3.14E-05	1.01E-08	3.06E-08	1.77E-08	2.17E-08	1.97E-08	8.98E-09	7.87E-09	3.38E-10	8.17E-09	1.80E-09	2.95E-09	4.67E-09	8.24E-10	5.19E-10	1.93E-08
3012	479026.63	3850271.93	2.98E-05	3.65E-05	3.20E-05	1.03E-08	3.12E-08	1.80E-08	2.21E-08	2.00E-08	9.14E-09	8.02E-09	3.45E-10	8.33E-09	1.84E-09	3.00E-09	4.76E-09	8.39E-10	5.29E-10	1.96E-08
3013	479076.63	3850271.93	3.03E-05	3.71E-05	3.26E-05	1.05E-08	3.17E-08	1.84E-08	2.25E-08	2.04E-08	9.31E-09	8.17E-09	3.51E-10	8.48E-09	1.87E-09	3.06E-09	4.85E-09	8.54E-10	5.39E-10	2.00E-08
3014	479126.63	3850271.93	3.09E-05	3.78E-05	3.32E-05	1.07E-08	3.23E-08	1.87E-08	2.29E-08	2.08E-08	9.48E-09	8.32E-09	3.57E-10	8.63E-09	1.90E-09	3.11E-09	4.94E-09	8.70E-10	5.49E-10	2.04E-08
3015	479176.63	3850271.93	3.15E-05	3.86E-05	3.38E-05	1.09E-08	3.30E-08	1.91E-08	2.34E-08	2.12E-08	9.67E-09	8.48E-09	3.64E-10	8.80E-09	1.94E-09	3.17E-09	5.03E-09	8.87E-10	5.59E-10	2.08E-08
3016	479226.63	3850271.93	3.21E-05	3.94E-05	3.45E-05	1.11E-08	3.36E-08	1.95E-08	2.39E-08	2.16E-08	9.87E-09	8.66E-09	3.72E-10	8.99E-09	1.98E-09	3.24E-09	5.14E-09	9.06E-10	5.71E-10	2.12E-08
3017	479276.63	3850271.93	3.28E-05	4.01E-05	3.52E-05	1.14E-08	3.43E-08	1.98E-08	2.43E-08	2.20E-08	1.01E-08	8.82E-09	3.79E-10	9.16E-09	2.02E-09	3.30E-09	5.24E-09	9.23E-10	5.82E-10	2.16E-08
3018	479326.63	3850271.93	3.33E-05	4.08E-05	3.58E-05	1.15E-08	3.49E-08	2.02E-08	2.47E-08	2.24E-08	1.02E-08	8.97E-09	3.86E-10	9.31E-09	2.06E-09	3.36E-09	5.33E-09	9.39E-10	5.92E-10	2.20E-08
3019	479376.63	3850271.93	3.38E-05	4.14E-05	3.63E-05	1.17E-08	3.54E-08	2.05E-08	2.51E-08	2.28E-08	1.04E-08	9.11E-09	3.91E-10	9.45E-09	2.09E-09	3.41E-09	5.41E-09	9.53E-10	6.01E-10	2.23E-08
3020	479053.24	3850293.52	3.01E-05	3.69E-05	3.24E-05	1.04E-08	3.15E-08	1.82E-08	2.23E-08	2.03E-08	9.24E-09	8.11E-09	3.48E-10	8.42E-09	1.86E-09	3.03E-09	4.81E-09	8.48E-10	5.35E-10	1.98E-08
3021	479103.24	3850293.52	3.07E-05	3.76E-05	3.29E-05	1.06E-08	3.21E-08	1.86E-08	2.27E-08	2.06E-08	9.41E-09	8.26E-09	3.55E-10	8.57E-09	1.89E-09	3.09E-09	4.90E-09	8.64E-10	5.45E-10	2.02E-08
3022	479153.24	3850293.52	3.12E-05	3.82E-05	3.35E-05	1.08E-08	3.26E-08	1.89E-08	2.31E-08	2.10E-08	9.57E-09	8.40E-09	3.61E-10	8.72E-09	1.92E-09	3.14E-09	4.99E-09	8.79E-10	5.54E-10	2.06E-08
3023	479203.24	3850293.52	3.18E-05	3.90E-05	3.42E-05	1.10E-08	3.33E-08	1.93E-08	2.36E-08	2.14E-08	9.77E-09	8.57E-09	3.69E-10	8.90E-09	1.96E-09	3.21E-09	5.09E-09	8.97E-10	5.66E-10	2.10E-08
3024	479253.24	3850293.52	3.25E-05	3.98E-05	3.49E-05	1.13E-08	3.40E-08	1.97E-08	2.41E-08	2.18E-08	9.97E-09	8.75E-09	3.76E-10	9.08E-09	2.00E-09	3.27E-09	5.19E-09	9.15E-10	5.77E-10	2.14E-08
3025	479303.24	3850293.52	3.30E-05	4.04E-05	3.55E-05	1.14E-08	3.45E-08	2.00E-08	2.45E-08	2.22E-08	1.01E-08	8.89E-09	3.82E-10	9.23E-09	2.04E-09	3.33E-09	5.28E-09	9.30E-10	5.86E-10	2.18E-08
3026	479353.24	3850293.52	3.36E-05	4.11E-05	3.61E-05	1.16E-08	3.51E-08	2.03E-08	2.49E-08	2.26E-08	1.03E-08	9.04E-09	3.88E-10	9.38E-09	2.07E-09	3.38E-09	5.36E-09	9.45E-10	5.96E-10	2.21E-08
3027	479153.24	3850343.52	3.13E-05	3.83E-05	3.36E-05	1.08E-08	3.27E-08	1.89E-08	2.32E-08	2.10E-08	9.59E-09	8.42E-09	3.62E-10	8.74E-09	1.93E-09	3.15E-09	4.99E-09	8.80E-10	5.55E-10	2.06E-08
3028	479203.24	3850343.52	3.18E-05	3.90E-05	3.42E-05	1.10E-08	3.33E-08	1.93E-08	2.36E-08	2.14E-08	9.77E-09	8.58E-09	3.69E-10	8.90E-09	1.96E-09	3.21E-09	5.09E-09	8.97E-10	5.66E-10	2.10E-08
3029	479253.24	3850343.52	3.24E-05	3.97E-05	3.48E-05	1.12E-08	3.39E-08	1.96E-08	2.40E-08	2.18E-08	9.94E-09	8.72E-09	3.75E-10	9.05E-09	2.00E-09	3.26E-09	5.18E-09	9.12E-10	5.75E-10	2.14E-08
3030	479303.24	3850343.52	3.29E-05	4.03E-05	3.54E-05	1.14E-08	3.45E-08	1.99E-08	2.44E-08	2.21E-08	1.01E-08	8.87E-09	3.81E-10	9.20E-09	2.03E-09	3.32E-09	5.26E-09	9.28E-10	5.85E-10	2.17E-08
3031	479353.24	3850343.52	3.34E-05	4.10E-05	3.59E-05	1.16E-08	3.50E-08	2.03E-08	2.48E-08	2.25E-08	1.03E-08	9.01E-09	3.87E-10	9.35E-09	2.06E-09	3.37E-09	5.35E-09	9.42E-10	5.94E-10	2.21E-08
3032	479203.24	3850393.52	3.18E-05	3.89E-05	3.42E-05	1.10E-08	3.33E-08	1.92E-08	2.36E-08	2.14E-08	9.75E-09	8.56E-09	3.68E-10	8.88E-09	1.96E-09	3.20E-09	5.08E-09	8.95E-10	5.64E-10	2.10E-08
3033	479253.24	3850393.52	3.23E-05	3.96E-05	3.47E-05	1.12E-08	3.38E-08	1.96E-08	2.40E-08	2.17E-08	9.92E-09	8.71E-09	3.74E-10	9.04E-09	1.99E-09	3.26E-09	5.17E-09	9.11E-10	5.74E-10	2.13E-08
3034	479303.24	3850393.52	3.29E-05	4.03E-05	3.53E-05	1.14E-08	3.44E-08	1.99E-08	2.44E-08	2.21E-08	1.01E-08	8.85E-09	3.80E-10	9.19E-09	2.03E-09	3.31E-09	5.25E-09	9.26E-10	5.84E-10	2.17E-08
3035	479353.24	3850393.52	3.34E-05	4.09E-05	3.59E-05	1.16E-08	3.49E-08	2.02E-08	2.48E-08	2.25E-08	1.03E-08	8.99E-09	3.87E-10	9.34E-09	2.06E-09	3.36E-09	5.34E-09	9.41E-10	5.93E-10	2.20E-08
3036	479403.24	3850393.52	3.39E-05	4.16E-05	3.65E-05	1.18E-08	3.55E-08	2.06E-08	2.52E-08	2.28E-08	1.04E-08	9.14E-09	3.93E-10	9.49E-09	2.09E-09	3.42E-09	5.42E-09	9.56E-10	6.03E-10	2.24E-08
3037	479453.24	3850393.52	3.45E-05	4.22E-05	3.70E-05	1.19E-08	3.61E-08	2.09E-08	2.56E-08	2.32E-08	1.06E-08	9.28E-09	3.99E-10	9.63E-09	2.13E-09	3.47E-09	5.51E-09	9.71E-10	6.12E-10	2.27E-08
3038	479503.24	3850393.52	3.49E-05	4.28E-05	3.75E-05	1.21E-08	3.65E-08	2.12E-08	2.59E-08	2.35E-08	1.07E-08	9.40E-09	4.04E-10	9.76E-09	2.15E-09	3.52E-09	5.58E-09	9.84E-10	6.20E-10	2.30E-08
3039	479303.24	3850443.52	3.28E-05	4.01E-05	3.52E-05	1.14E-08	3.43E-08	1.98E-08	2.43E-08	2.20E-08	1.01E-08	8.82E-09	3.79E-10	9.16E-09	2.02E-09	3.30E-09	5.24E-09	9.23E-10	5.82E-10	2.16E-08
3040	479353.24	3850443.52	3.33E-05	4.08E-05	3.58E-05	1.15E-08	3.48E-08	2.02E-08	2.47E-08	2.24E-08	1.02E-08	8.96E-09	3.85E-10	9.30E-09	2.05E-09	3.35E-09	5.32E-09	9.38E-10	5.91E-10	2.19E-08
3041	479403.24	3850443.52	3.38E-05	4.14E-05	3.63E-05	1.17E-08	3.53E-08	2.05E-08	2.51E-08	2.27E-08	1.04E-08	9.09E-09	3.91E-10	9.44E-09	2.08E-09	3.40E-09	5.40E-09	9.51E-10	6.00E-10	2.23E-08
3042	479453.24	3850443.52	3.43E-05	4.20E-05	3.69E-05	1.19E-08	3.59E-08	2.08E-08	2.54E-08	2.31E-08	1.05E-08	9.23E-09	3.97E-10	9.59E-09	2.12E-09	3.46E-09	5.48E-09	9.66E-10	6.09E-10	2.26E-08
3043	479503.24	3850443.52	3.48E-05	4.26E-05	3.74E-05	1.21E-08	3.64E-08	2.11E-08	2.58E-08	2.34E-08	1.07E-08	9.36E-09	4.02E-10	9.72E-09	2.15E-09	3.50E-09	5.56E-09	9.80E-10	6.18E-10	2.29E-08

3044	480327.18	3850987.04	4.60E-05	5.63E-05	4.94E-05	1.59E-08	4.81E-08	2.78E-08	3.41E-08	3.09E-08	1.41E-08	1.24E-08	5.32E-10	1.28E-08	2.84E-09	4.63E-09	7.35E-09	1.29E-09	8.16E-10	3.03E-08
3045	480377.18	3850987.04	4.66E-05	5.71E-05	5.00E-05	1.61E-08	4.87E-08	2.82E-08	3.46E-08	3.13E-08	1.43E-08	1.25E-08	5.39E-10	1.30E-08	2.87E-09	4.69E-09	7.44E-09	1.31E-09	8.27E-10	3.07E-08
3046	480427.18	3850987.04	4.72E-05	5.78E-05	5.07E-05	1.64E-08	4.94E-08	2.86E-08	3.50E-08	3.17E-08	1.45E-08	1.27E-08	5.46E-10	1.32E-08	2.91E-09	4.75E-09	7.54E-09	1.33E-09	8.38E-10	3.11E-08
3047	480477.18	3850987.04	4.77E-05	5.84E-05	5.12E-05	1.65E-08	4.99E-08	2.89E-08	3.54E-08	3.21E-08	1.46E-08	1.28E-08	5.52E-10	1.33E-08	2.94E-09	4.81E-09	7.62E-09	1.34E-09	8.47E-10	3.14E-08
3048	480327.18	3851037.04	4.60E-05	5.64E-05	4.94E-05	1.59E-08	4.81E-08	2.79E-08	3.41E-08	3.09E-08	1.41E-08	1.24E-08	5.32E-10	1.29E-08	2.84E-09	4.64E-09	7.35E-09	1.30E-09	8.17E-10	3.03E-08
3049	480377.18	3851037.04	4.67E-05	5.72E-05	5.02E-05	1.62E-08	4.89E-08	2.83E-08	3.47E-08	3.14E-08	1.43E-08	1.26E-08	5.41E-10	1.31E-08	2.88E-09	4.71E-09	7.47E-09	1.32E-09	8.29E-10	3.08E-08
3050	480427.18	3851037.04	4.74E-05	5.80E-05	5.09E-05	1.64E-08	4.96E-08	2.87E-08	3.51E-08	3.19E-08	1.45E-08	1.28E-08	5.48E-10	1.32E-08	2.92E-09	4.77E-09	7.57E-09	1.33E-09	8.41E-10	3.12E-08
3051	480477.18	3851037.04	4.80E-05	5.88E-05	5.15E-05	1.66E-08	5.02E-08	2.91E-08	3.56E-08	3.23E-08	1.47E-08	1.29E-08	5.55E-10	1.34E-08	2.96E-09	4.83E-09	7.67E-09	1.35E-09	8.52E-10	3.16E-08
3052	480622.06	3851087.39	4.98E-05	6.10E-05	5.35E-05	1.73E-08	5.21E-08	3.02E-08	3.70E-08	3.35E-08	1.53E-08	1.34E-08	5.77E-10	1.39E-08	3.07E-09	5.02E-09	7.96E-09	1.40E-09	8.85E-10	3.28E-08
3053	480672.06	3851087.39	5.03E-05	6.16E-05	5.40E-05	1.74E-08	5.26E-08	3.05E-08	3.73E-08	3.38E-08	1.54E-08	1.35E-08	5.82E-10	1.41E-08	3.10E-09	5.07E-09	8.04E-09	1.42E-09	8.93E-10	3.32E-08
3054	480622.06	3851137.39	5.02E-05	6.15E-05	5.39E-05	1.74E-08	5.25E-08	3.04E-08	3.72E-08	3.37E-08	1.54E-08	1.35E-08	5.81E-10	1.40E-08	3.09E-09	5.05E-09	8.02E-09	1.41E-09	8.91E-10	3.31E-08
3055	480672.06	3851137.39	5.07E-05	6.21E-05	5.45E-05	1.76E-08	5.31E-08	3.07E-08	3.76E-08	3.41E-08	1.56E-08	1.36E-08	5.87E-10	1.42E-08	3.13E-09	5.11E-09	8.10E-09	1.43E-09	9.00E-10	3.34E-08
3056	480722.06	3851137.39	5.12E-05	6.27E-05	5.50E-05	1.77E-08	5.36E-08	3.10E-08	3.80E-08	3.44E-08	1.57E-08	1.38E-08	5.92E-10	1.43E-08	3.16E-09	5.16E-09	8.18E-09	1.44E-09	9.09E-10	3.37E-08
3057	480622.06	3851187.39	5.04E-05	6.18E-05	5.42E-05	1.75E-08	5.28E-08	3.06E-08	3.74E-08	3.39E-08	1.55E-08	1.36E-08	5.84E-10	1.41E-08	3.11E-09	5.08E-09	8.06E-09	1.42E-09	8.96E-10	3.33E-08
3058	480672.06	3851187.39	5.10E-05	6.25E-05	5.48E-05	1.77E-08	5.34E-08	3.09E-08	3.79E-08	3.43E-08	1.57E-08	1.37E-08	5.91E-10	1.43E-08	3.15E-09	5.14E-09	8.16E-09	1.44E-09	9.06E-10	3.37E-08
3059	480722.06	3851187.39	5.16E-05	6.32E-05	5.54E-05	1.79E-08	5.40E-08	3.13E-08	3.83E-08	3.47E-08	1.58E-08	1.39E-08	5.97E-10	1.44E-08	3.18E-09	5.20E-09	8.25E-09	1.45E-09	9.16E-10	3.40E-08
3060	471363.09	3845877.25	7.13E-06	8.73E-06	7.65E-06	2.47E-09	7.46E-09	4.32E-09	5.29E-09	4.79E-09	2.19E-09	1.92E-09	8.25E-11	1.99E-09	4.40E-10	7.18E-10	1.14E-09	2.01E-10	1.26E-10	4.70E-09
3061	471863.09	3845877.25	6.83E-06	8.37E-06	7.34E-06	2.37E-09	7.15E-09	4.14E-09	5.07E-09	4.59E-09	2.10E-09	1.84E-09	7.90E-11	1.91E-09	4.21E-10	6.88E-10	1.09E-09	1.92E-10	1.21E-10	4.50E-09
3062	472363.09	3845877.25	7.44E-06	9.11E-06	7.99E-06	2.58E-09	7.78E-09	4.51E-09	5.52E-09	5.00E-09	2.28E-09	2.00E-09	8.61E-11	2.08E-09	4.59E-10	7.49E-10	1.19E-09	2.09E-10	1.32E-10	4.90E-09
3063	472863.09	3845877.25	6.26E-06	7.67E-06	6.72E-06	2.17E-09	6.55E-09	3.79E-09	4.64E-09	4.21E-09	1.92E-09	1.68E-09	7.24E-11	1.75E-09	3.86E-10	6.31E-10	1.00E-09	1.76E-10	1.11E-10	4.13E-09
3064	473363.09	3845877.25	6.12E-06	7.49E-06	6.57E-06	2.12E-09	6.40E-09	3.71E-09	4.54E-09	4.11E-09	1.88E-09	1.65E-09	7.08E-11	1.71E-09	3.77E-10	6.16E-10	9.78E-10	1.72E-10	1.09E-10	4.03E-09
3065	473863.09	3845877.25	6.42E-06	7.86E-06	6.89E-06	2.22E-09	6.71E-09	3.89E-09	4.76E-09	4.32E-09	1.97E-09	1.73E-09	7.42E-11	1.79E-09	3.96E-10	6.46E-10	1.03E-09	1.81E-10	1.14E-10	4.23E-09
3066	474363.09	3845877.25	7.59E-06	9.30E-06	8.16E-06	2.63E-09	7.95E-09	4.60E-09	5.63E-09	5.11E-09	2.33E-09	2.04E-09	8.79E-11	2.12E-09	4.68E-10	7.65E-10	1.21E-09	2.14E-10	1.35E-10	5.01E-09
3067	474863.09	3845877.25	9.63E-06	1.18E-05	1.03E-05	3.34E-09	1.01E-08	5.83E-09	7.15E-09	6.48E-09	2.96E-09	2.59E-09	1.11E-10	2.69E-09	5.94E-10	9.70E-10	1.54E-09	2.71E-10	1.71E-10	6.35E-09
3068	475363.09	3845877.25	1.22E-05	1.49E-05	1.31E-05	4.22E-09	1.27E-08	7.37E-09	9.03E-09	8.19E-09	3.74E-09	3.28E-09	1.41E-10	3.40E-09	7.51E-10	1.23E-09	1.95E-09	3.43E-10	2.16E-10	8.03E-09
3069	475863.09	3845877.25	1.27E-05	1.55E-05	1.36E-05	4.40E-09	1.33E-08	7.68E-09	9.41E-09	8.53E-09	3.89E-09	3.41E-09	1.47E-10	3.55E-09	7.83E-10	1.28E-09	2.03E-09	3.57E-10	2.25E-10	8.36E-09
3070	476363.09	3845877.25	1.17E-05	1.44E-05	1.26E-05	4.07E-09	1.23E-08	7.11E-09	8.71E-09	7.90E-09	3.60E-09	3.16E-09	1.36E-10	3.28E-09	7.24E-10	1.18E-09	1.88E-09	3.31E-10	2.08E-10	7.74E-09
3071	476863.09	3845877.25	1.06E-05	1.30E-05	1.14E-05	3.67E-09	1.11E-08	6.41E-09	7.85E-09	7.12E-09	3.25E-09	2.85E-09	1.23E-10	2.96E-09	6.53E-10	1.07E-09	1.69E-09	2.98E-10	1.88E-10	6.98E-09
3072	477363.09	3845877.25	8.88E-06	1.09E-05	9.54E-06	3.08E-09	9.30E-09	5.38E-09	6.59E-09	5.98E-09	2.73E-09	2.39E-09	1.03E-10	2.48E-09	5.48E-10	8.95E-10	1.42E-09	2.50E-10	1.58E-10	5.86E-09
3073	477863.09	3845877.25	7.72E-06	9.46E-06	8.29E-06	2.68E-09	8.08E-09	4.68E-09	5.73E-09	5.19E-09	2.37E-09	2.08E-09	8.94E-11	2.16E-09	4.76E-10	7.78E-10	1.23E-09	2.18E-10	1.37E-10	5.09E-09
3074	478363.09	3845877.25	7.44E-06	9.11E-06	8.00E-06	2.58E-09	7.78E-09	4.51E-09	5.52E-09	5.00E-09	2.28E-09	2.00E-09	8.61E-11	2.08E-09	4.59E-10	7.49E-10	1.19E-09	2.10E-10	1.32E-10	4.90E-09
3075	478863.09	3845877.25	7.13E-06	8.74E-06	7.66E-06	2.47E-09	7.46E-09	4.32E-09	5.29E-09	4.80E-09	2.19E-09	1.92E-09	8.25E-11	1.99E-09	4.40E-10	7.18E-10	1.14E-09	2.01E-10	1.27E-10	4.70E-09
3076	479363.09	3845877.25	6.87E-06	8.41E-06	7.38E-06	2.38E-09	7.19E-09	4.16E-09	5.10E-09	4.62E-09	2.11E-09	1.85E-09	7.95E-11	1.92E-09	4.24E-10	6.92E-10	1.10E-09	1.93E-10	1.22E-10	4.53E-09
3077	479863.09	3845877.25	6.64E-06	8.13E-06	7.13E-06	2.30E-09	6.95E-09	4.02E-09	4.93E-09	4.47E-09	2.04E-09	1.79E-09	7.68E-11	1.86E-09	4.10E-10	6.69E-10	1.06E-09	1.87E-10	1.18E-10	4.38E-09
3078	480363.09	3845877.25	5.60E-06	6.86E-06	6.02E-06	1.94E-09	5.86E-09	3.39E-09	4.16E-09	3.77E-09	1.72E-09	1.51E-09	6.48E-11	1.57E-09	3.46E-10	5.64E-10	8.95E-10	1.58E-10	9.95E-11	3.69E-09
3079	480863.09	3845877.25	5.06E-06	6.20E-06	5.44E-06	1.75E-09	5.30E-09	3.07E-09	3.76E-09	3.41E-09	1.55E-09	1.36E-09	5.86E-11	1.42E-09	3.12E-10	5.10E-10	8.09E-10	1.43E-10	8.99E-11	3.34E-09
3080	481363.09	3845877.25	4.67E-06	5.73E-06	5.02E-06	1.62E-09	4.89E-09	2.83E-09	3.47E-09	3.14E-09	1.43E-09	1.26E-09	5.41E-11	1.31E-09	2.88E-10	4.71E-10	7.47E-10	1.32E-10	8.30E-11	3.08E-09
3081	481863.09	3845877.25	4.19E-06	5.13E-06	4.50E-06	1.45E-09	4.38E-09	2.54E-09	3.11E-09	2.82E-09	1.28E-09	1.13E-09	4.84E-11	1.17E-09	2.58E-10	4.22E-10	6.69E-10	1.18E-10	7.43E-11	2.76E-09
3082	482363.09	3845877.25	3.76E-06	4.61E-06	4.05E-06	1.30E-09	3.94E-09	2.28E-09	2.79E-09	2.53E-09	1.16E-09	1.01E-09	4.36E-11	1.05E-09	2.32E-10	3.79E-10	6.02E-10	1.06E-10	6.69E-11	2.48E-09
3083	482863.09	3845877.25	3.05E-06	3.74E-06	3.28E-06	1.06E-09	3.19E-09	1.85E-09	2.26E-09	2.05E-09	9.37E-10	8.21E-10	3.53E-11	8.53E-10	1.88E-10	3.07E-10	4.88E-10	8.59E-11	5.42E-11	2.01E-09
3084	483363.09	3845877.25	2.80E-06	3.43E-06	3.01E-06	9.71E-10	2.93E-09	1.70E-09	2.08E-09	1.88E-09	8.60E-10	7.54E-10	3.24E-11	7.83E-10	1.73E-10	2.82E-10	4.48E-10	7.89E-11	4.97E-11	1.85E-09
3085	483863.09	3845877.25	3.18E-06	3.90E-06	3.42E-06	1.10E-09	3.33E-09	1.93E-09	2.36E-09	2.14E-09	9.76E-10	8.56E-10	3.68E-11	8.89E-10	1.96E-10	3.20E-10	5.08E-10	8.96E-11	5.65E-11	2.10E-09
3086	484363.09	3845877.25	3.12E-06	3.82E-06	3.35E-06	1.08E-09	3.27E-09	1.89E-09	2.32E-09	2.10E-09	9.58E-10	8.41E-10	3.61E-11	8.73E-10	1.93E-10	3.15E-10	4.99E-10	8.79E-11	5.54E-11	2.06E-09
3087	484863.09	3845877.25	2.97E-06	3.63E-06	3.19E-06	1.03E-09	3.10E-09	1.80E-09	2.20E-09	2.00E-09	9.10E-10	7.99E-10	3.43E-11	8.29E-10	1.83E-10	2.99E-10	4.74E-10	8.36E-11	5.27E-11	1.96E-09
3088	485363.09	3845877.25	2.79E-06	3.42E-06	3.00E-06	9.69E-10	2.92E-09	1.69E-09	2.07E-09	1.88E-09	8.58E-10	7.52E-10	3.23E-11	7.81E-10	1.72E-10	2.82E-10	4.47E-10	7.87E-11	4.96E-11	1.84E-09
3089	485863.09	3845877.25	2.74E-06	3.36E-06	2.94E-06	9.50E-10	2.87E-09	1.66E-09	2.03E-09	1.84E-09	8.41E-10	7.37E-10	3.17E-11	7.66E-10	1.69E-10	2.76E-10	4.38E-10	7.72E-11	4.86E-11	1.81E-09
3090	486363.09	3845877.25	2.61E-06	3.20E-06	2.80E-06	9.05E-10	2.73E-09	1.58E-09	1.94E-09	1.76E-09	8.01E-10	7.03E-10	3.02E-11	7.30E-10	1.61E-10	2.63E-10	4.17E-10	7.35E-11	4.64E-11	1.72E-09
3091	486863.09	3845877.25	2.42E-06	2.97E-06	2.60E-06	8.39E-10	2.53E-09	1.47E-09	1.80E-09	1.63E-09	7.43E-10	6.52E-10	2.80E-11	6.77E-10	1.49E-10	2.44E-10	3.87E-10	6.82E-11	4.30E-11	1.60E-09
3092	487363.09	3845877.25	2.37E-06	2.90E-06	2.54E-06	8.20E-10	2.48E-09	1.43E-09	1.76E-09	1.59E-09	7.27E-10	6.37E-10	2.74E-11	6.62E-10	1.46E-10	2.38E-10	3.78E-10	6.67E-11	4.20E-11	1.56E-09
3093	487863.09	3845877.25	2.21E-06	2.71E-06	2.37E-06	7.66E-10	2.31E-09	1.34E-09	1.64E-09	1.49E-09	6.78E-10	5.95E-10	2.56E-11	6.18E-10	1.36E-10	2.23E-10	3.53E-10	6.22E-11	3.92E-11	1.46E-09
3094	488363.09	3845877.25	2.13E-06	2.61E-06	2.28E-06	7.37E-10	2.23E-09	1.29E-09	1.58E-09	1.43E-09	6.53E-10	5.72E-10	2.46E-11	5.95E-10	1.31E-10	2.14E-10	3.40E-10	5.99E-11	3.78E-11	1.40E-09
3095	488863.09	3845877.25	2.34E-06	2.87E-06	2.52E-06	8.12E-10	2.45E-09	1.42E-09	1.74E-09	1.58E-09	7.19E-10	6.31E-10	2.71E-11	6.55E-10	1.45E-10	2.36E-10	3.75E-10	6.60E-11	4.16E-11	1.55E-09
3096	489363.09	3845877.25	2.34E-06	2.87E-06	2.51E-06	8.11E-10	2.45E-09	1.42E-09	1.74E-09	1.57E-09	7.18E-10	6.30E-10	2.71E-11	6.54E-10	1.44E-10	2.36E-10	3.74E-10	6.59E-11	4.15E-11	1.54E-09
3097	489863.09	3845877.25	2.24E-06	2.75E-06	2.41E-06	7.77E-10	2.35E-09	1.36E-09	1.66E-09	1.51E-09	6.88E-10	6.03E-10	2.59E-11	6.27E-10	1.38E-10	2.26E-10	3.58E-10	6.31E-11	3.98E-11	1.48E-09
3098	490363.09	3845877.25	2.13E-06	2.61E-06	2.29E-06	7.39E-10	2.23E-09	1.29E-09	1.58E-09	1.43E-09	6.54E-10	5.73E-10	2.47E-11	5.96E-10	1.31E-10	2.15E-10	3.41E-10	6.00E-11	3.78E-11	1.40E-09
3099	490863.09	3845877.25	1.92E-06	2.35E-06	2.06E-06	6.66E-10	2.01E-09	1.16E-09	1.43E-09	1.29E-09	5.90E-10	5.17E-10	2.22E-11	5.37E-10	1.19E-10	1.94E-10	3.07E-10	5.41E-11	3.41E-11	1.27E-09
3100	491363.09	3845877.25	2.10E-06	2.58E-06	2.26E-06	7.29E-10	2.20E-09	1.27E-09	1.56E-09	1.42E-09	6.46E-10	5.66E-10	2.43E-11	5.88E-10	1.30E-10	2.12E-10	3.36E-10	5.93E-11	3.73E-11	1.39E-09
3101	491863.09	3845877.25	2.26E-06	2.77E-06	2.43E-06	7.84E-10	2.37E-09	1.37E-09	1.68E-09	1.52E-09	6.94E-10	6.08E-10	2.62E-11	6.32E-10	1.39E-10	2.28E-10	3.61E-10	6.37E-11	4.01E-11	1.49E-09
3102	492363.09	3845877.25	2.14E-06	2.62E-06	2.29E-06	7.40E-10	2.24E-09	1.29E-09	1.59E-09	1.44E-09	6.56E-10	5.75E-10	2.47E-11	5.97E-10	1.32E-10	2.15E-10	3.41E-10	6.02E-11	3.79E-11	1.41E-09
3103	492863.09	3845877.25	2.45E-06	3.00E-06	2.63E-06	8.48E-10	2.56E-09	1.48E-09	1.82E-09	1.65E-09	7.51E-10	6.58E-10	2.83E-11	6.84E-10	1.51E-10	2.47E-10	3.91E-10	6.89E-11	4.34E-11	1.61E-09
3104	493363.09	3845877.25	2.64E-06	3.24E-06	2.84E-06	9.17E-10	2.77E-09	1.60E-09	1.96E-09	1.78E-09	8.12E-10	7.12E-10	3.06E-11	7.39E-10	1.63E-10	2.66E-10	4.23E-10	7.45E-11	4.69E-11	1.74E-09

3105	493863.09	3845877.25	2.88E-06	3.52E-06	3.09E-06	9.97E-10	3.01E-09	1.74E-09	2.14E-09	1.94E-09	8.83E-10	7.74E-10	3.33E-11	8.04E-10	1.78E-10	2.90E-10	4.60E-10	8.10E-11	5.11E-11	1.90E-09
3106	494363.09	3845877.25	3.07E-06	3.76E-06	3.30E-06	1.07E-09	3.22E-09	1.86E-09	2.28E-09	2.07E-09	9.43E-10	8.27E-10	3.56E-11	8.59E-10	1.90E-10	3.10E-10	4.91E-10	8.66E-11	5.46E-11	2.03E-09
3107	494863.09	3845877.25	3.25E-06	3.98E-06	3.49E-06	1.13E-09	3.40E-09	1.97E-09	2.41E-09	2.19E-09	9.98E-10	8.75E-10	3.76E-11	9.09E-10	2.01E-10	3.28E-10	5.20E-10	9.16E-11	5.77E-11	2.14E-09
3108	495363.09	3845877.25	3.49E-06	4.27E-06	3.74E-06	1.21E-09	3.65E-09	2.11E-09	2.59E-09	2.35E-09	1.07E-09	9.38E-10	4.03E-11	9.75E-10	2.15E-10	3.51E-10	5.57E-10	9.82E-11	6.19E-11	2.30E-09
3109	495863.09	3845877.25	3.75E-06	4.59E-06	4.02E-06	1.30E-09	3.92E-09	2.27E-09	2.78E-09	2.52E-09	1.15E-09	1.01E-09	4.34E-11	1.05E-09	2.31E-10	3.77E-10	5.99E-10	1.06E-10	6.65E-11	2.47E-09
3110	496363.09	3845877.25	4.03E-06	4.94E-06	4.33E-06	1.40E-09	4.22E-09	2.44E-09	2.99E-09	2.71E-09	1.24E-09	1.08E-09	4.66E-11	1.13E-09	2.49E-10	4.06E-10	6.44E-10	1.13E-10	7.15E-11	2.66E-09
3111	496863.09	3845877.25	4.25E-06	5.21E-06	4.56E-06	1.47E-09	4.45E-09	2.57E-09	3.15E-09	2.86E-09	1.30E-09	1.14E-09	4.92E-11	1.19E-09	2.62E-10	4.28E-10	6.79E-10	1.20E-10	7.54E-11	2.80E-09
3112	497363.09	3845877.25	4.47E-06	5.47E-06	4.79E-06	1.55E-09	4.67E-09	2.70E-09	3.31E-09	3.00E-09	1.37E-09	1.20E-09	5.17E-11	1.25E-09	2.75E-10	4.50E-10	7.14E-10	1.26E-10	7.92E-11	2.94E-09
3113	497863.09	3845877.25	4.74E-06	5.81E-06	5.09E-06	1.64E-09	4.96E-09	2.87E-09	3.52E-09	3.19E-09	1.45E-09	1.27E-09	5.48E-11	1.32E-09	2.92E-10	4.77E-10	7.57E-10	1.33E-10	8.41E-11	3.12E-09
3114	498363.09	3845877.25	5.00E-06	6.12E-06	5.37E-06	1.73E-09	5.23E-09	3.03E-09	3.71E-09	3.36E-09	1.53E-09	1.34E-09	5.78E-11	1.40E-09	3.08E-10	5.04E-10	7.99E-10	1.41E-10	8.87E-11	3.30E-09
3115	471363.09	3846377.25	1.07E-05	1.31E-05	1.15E-05	3.70E-09	1.12E-08	6.48E-09	7.93E-09	7.19E-09	3.28E-09	2.88E-09	1.24E-10	2.99E-09	6.59E-10	1.08E-09	1.71E-09	3.01E-10	1.90E-10	7.05E-09
3116	471863.09	3846377.25	9.95E-06	1.22E-05	1.07E-05	3.45E-09	1.04E-08	6.03E-09	7.38E-09	6.69E-09	3.05E-09	2.68E-09	1.15E-10	2.78E-09	6.14E-10	1.00E-09	1.59E-09	2.80E-10	1.77E-10	6.56E-09
3117	472363.09	3846377.25	7.40E-06	9.07E-06	7.95E-06	2.57E-09	7.75E-09	4.48E-09	5.49E-09	4.98E-09	2.27E-09	1.99E-09	8.57E-11	2.07E-09	4.57E-10	7.46E-10	1.18E-09	2.08E-10	1.31E-10	4.88E-09
3118	472863.09	3846377.25	7.50E-06	9.19E-06	8.05E-06	2.60E-09	7.85E-09	4.54E-09	5.56E-09	5.04E-09	2.30E-09	2.02E-09	8.68E-11	2.10E-09	4.63E-10	7.55E-10	1.20E-09	2.11E-10	1.33E-10	4.94E-09
3119	473363.09	3846377.25	7.40E-06	9.06E-06	7.95E-06	2.56E-09	7.74E-09	4.48E-09	5.49E-09	4.98E-09	2.27E-09	1.99E-09	8.56E-11	2.07E-09	4.56E-10	7.46E-10	1.18E-09	2.08E-10	1.31E-10	4.88E-09
3120	473863.09	3846377.25	7.45E-06	9.13E-06	8.00E-06	2.58E-09	7.80E-09	4.51E-09	5.53E-09	5.01E-09	2.29E-09	2.01E-09	8.62E-11	2.08E-09	4.60E-10	7.51E-10	1.19E-09	2.10E-10	1.32E-10	4.91E-09
3121	474363.09	3846377.25	7.77E-06	9.52E-06	8.34E-06	2.69E-09	8.13E-09	4.71E-09	5.76E-09	5.22E-09	2.38E-09	2.09E-09	8.99E-11	2.17E-09	4.79E-10	7.83E-10	1.24E-09	2.19E-10	1.38E-10	5.12E-09
3122	474863.09	3846377.25	9.01E-06	1.10E-05	9.68E-06	3.12E-09	9.43E-09	5.46E-09	6.68E-09	6.06E-09	2.76E-09	2.42E-09	1.04E-10	2.52E-09	5.56E-10	9.08E-10	1.44E-09	2.54E-10	1.60E-10	5.94E-09
3123	475363.09	3846377.25	1.12E-05	1.37E-05	1.20E-05	3.88E-09	1.17E-08	6.77E-09	8.30E-09	7.52E-09	3.43E-09	3.01E-09	1.29E-10	3.13E-09	6.90E-10	1.13E-09	1.79E-09	3.15E-10	1.99E-10	7.37E-09
3124	475863.09	3846377.25	1.39E-05	1.70E-05	1.49E-05	4.82E-09	1.46E-08	8.42E-09	1.03E-08	9.35E-09	4.27E-09	3.74E-09	1.61E-10	3.89E-09	8.58E-10	1.40E-09	2.22E-09	3.92E-10	2.47E-10	9.17E-09
3125	476363.09	3846377.25	1.39E-05	1.71E-05	1.50E-05	4.83E-09	1.46E-08	8.45E-09	1.04E-08	9.38E-09	4.28E-09	3.75E-09	1.61E-10	3.90E-09	8.60E-10	1.41E-09	2.23E-09	3.93E-10	2.48E-10	9.20E-09
3126	476863.09	3846377.25	1.29E-05	1.58E-05	1.38E-05	4.46E-09	1.35E-08	7.80E-09	9.56E-09	8.66E-09	3.95E-09	3.47E-09	1.49E-10	3.60E-09	7.95E-10	1.30E-09	2.06E-09	3.63E-10	2.29E-10	8.49E-09
3127	477363.09	3846377.25	1.16E-05	1.42E-05	1.25E-05	4.02E-09	1.21E-08	7.03E-09	8.61E-09	7.80E-09	3.56E-09	3.12E-09	1.34E-10	3.24E-09	7.16E-10	1.17E-09	1.85E-09	3.27E-10	2.06E-10	7.65E-09
3128	477863.09	3846377.25	9.45E-06	1.16E-05	1.01E-05	3.27E-09	9.89E-09	5.72E-09	7.01E-09	6.36E-09	2.90E-09	2.54E-09	1.09E-10	2.64E-09	5.83E-10	9.52E-10	1.51E-09	2.66E-10	1.68E-10	6.23E-09
3129	478363.09	3846377.25	8.55E-06	1.05E-05	9.18E-06	2.96E-09	8.94E-09	5.18E-09	6.34E-09	5.75E-09	2.62E-09	2.30E-09	9.89E-11	2.39E-09	5.27E-10	8.61E-10	1.37E-09	2.41E-10	1.52E-10	5.64E-09
3130	478863.09	3846377.25	8.55E-06	1.05E-05	9.18E-06	2.96E-09	8.94E-09	5.18E-09	6.34E-09	5.75E-09	2.62E-09	2.30E-09	9.89E-11	2.39E-09	5.27E-10	8.61E-10	1.37E-09	2.41E-10	1.52E-10	5.63E-09
3131	479363.09	3846377.25	8.20E-06	1.00E-05	8.81E-06	2.84E-09	8.58E-09	4.97E-09	6.08E-09	5.51E-09	2.52E-09	2.21E-09	9.49E-11	2.29E-09	5.06E-10	8.26E-10	1.31E-09	2.31E-10	1.46E-10	5.41E-09
3132	479863.09	3846377.25	7.42E-06	9.09E-06	7.97E-06	2.57E-09	7.76E-09	4.49E-09	5.50E-09	4.99E-09	2.28E-09	2.00E-09	8.58E-11	2.07E-09	4.57E-10	7.47E-10	1.19E-09	2.09E-10	1.32E-10	4.89E-09
3133	480363.09	3846377.25	7.27E-06	8.91E-06	7.81E-06	2.52E-09	7.61E-09	4.40E-09	5.39E-09	4.89E-09	2.23E-09	1.96E-09	8.41E-11	2.03E-09	4.48E-10	7.32E-10	1.16E-09	2.05E-10	1.29E-10	4.79E-09
3134	480863.09	3846377.25	5.96E-06	7.30E-06	6.40E-06	2.07E-09	6.24E-09	3.61E-09	4.42E-09	4.01E-09	1.83E-09	1.60E-09	6.90E-11	1.67E-09	3.68E-10	6.00E-10	9.52E-10	1.68E-10	1.06E-10	3.93E-09
3135	481363.09	3846377.25	5.61E-06	6.87E-06	6.02E-06	1.94E-09	5.87E-09	3.40E-09	4.16E-09	3.77E-09	1.72E-09	1.51E-09	6.49E-11	1.57E-09	3.46E-10	5.65E-10	8.96E-10	1.58E-10	9.96E-11	3.70E-09
3136	481863.09	3846377.25	4.99E-06	6.11E-06	5.36E-06	1.73E-09	5.22E-09	3.02E-09	3.70E-09	3.35E-09	1.53E-09	1.34E-09	5.77E-11	1.39E-09	3.08E-10	5.02E-10	7.97E-10	1.40E-10	8.85E-11	3.29E-09
3137	482363.09	3846377.25	4.29E-06	5.26E-06	4.61E-06	1.49E-09	4.49E-09	2.60E-09	3.19E-09	2.89E-09	1.32E-09	1.16E-09	4.97E-11	1.20E-09	2.65E-10	4.32E-10	6.86E-10	1.21E-10	7.62E-11	2.83E-09
3138	482863.09	3846377.25	3.64E-06	4.46E-06	3.91E-06	1.26E-09	3.81E-09	2.20E-09	2.70E-09	2.45E-09	1.12E-09	9.79E-10	4.21E-11	1.02E-09	2.24E-10	3.66E-10	5.81E-10	1.02E-10	6.46E-11	2.40E-09
3139	483363.09	3846377.25	3.82E-06	4.68E-06	4.10E-06	1.32E-09	3.99E-09	2.31E-09	2.83E-09	2.57E-09	1.17E-09	1.03E-09	4.42E-11	1.07E-09	2.35E-10	3.85E-10	6.10E-10	1.08E-10	6.78E-11	2.52E-09
3140	483863.09	3846377.25	3.65E-06	4.47E-06	3.92E-06	1.27E-09	3.82E-09	2.21E-09	2.71E-09	2.46E-09	1.12E-09	9.83E-10	4.23E-11	1.02E-09	2.25E-10	3.68E-10	5.84E-10	1.03E-10	6.49E-11	2.41E-09
3141	484363.09	3846377.25	3.26E-06	3.99E-06	3.50E-06	1.13E-09	3.41E-09	1.98E-09	2.42E-09	2.19E-09	1.00E-09	8.78E-10	3.77E-11	9.12E-10	2.01E-10	3.29E-10	5.21E-10	9.19E-11	5.79E-11	2.15E-09
3142	484863.09	3846377.25	3.49E-06	4.28E-06	3.75E-06	1.21E-09	3.66E-09	2.12E-09	2.59E-09	2.35E-09	1.07E-09	9.40E-10	4.04E-11	9.76E-10	2.15E-10	3.52E-10	5.58E-10	9.84E-11	6.20E-11	2.30E-09
3143	485363.09	3846377.25	3.42E-06	4.19E-06	3.67E-06	1.19E-09	3.58E-09	2.07E-09	2.54E-09	2.30E-09	1.05E-09	9.21E-10	3.96E-11	9.56E-10	2.11E-10	3.45E-10	5.47E-10	9.63E-11	6.07E-11	2.26E-09
3144	485863.09	3846377.25	3.09E-06	3.79E-06	3.32E-06	1.07E-09	3.24E-09	1.87E-09	2.29E-09	2.08E-09	9.49E-10	8.32E-10	3.58E-11	8.65E-10	1.91E-10	3.12E-10	4.94E-10	8.71E-11	5.49E-11	2.04E-09
3145	486363.09	3846377.25	2.61E-06	3.20E-06	2.81E-06	9.06E-10	2.74E-09	1.58E-09	1.94E-09	1.76E-09	8.02E-10	7.04E-10	3.03E-11	7.31E-10	1.61E-10	2.63E-10	4.18E-10	7.36E-11	4.64E-11	1.72E-09
3146	486863.09	3846377.25	2.50E-06	3.06E-06	2.69E-06	8.67E-10	2.62E-09	1.52E-09	1.86E-09	1.68E-09	7.68E-10	6.73E-10	2.90E-11	6.99E-10	1.54E-10	2.52E-10	4.00E-10	7.05E-11	4.44E-11	1.65E-09
3147	487363.09	3846377.25	2.52E-06	3.09E-06	2.71E-06	8.75E-10	2.64E-09	1.53E-09	1.87E-09	1.70E-09	7.75E-10	6.79E-10	2.92E-11	7.06E-10	1.56E-10	2.54E-10	4.03E-10	7.11E-11	4.48E-11	1.66E-09
3148	487863.09	3846377.25	2.70E-06	3.30E-06	2.90E-06	9.35E-10	2.82E-09	1.63E-09	2.00E-09	1.81E-09	8.28E-10	7.26E-10	3.12E-11	7.54E-10	1.66E-10	2.72E-10	4.31E-10	7.60E-11	4.79E-11	1.78E-09
3149	488363.09	3846377.25	2.62E-06	3.20E-06	2.81E-06	9.06E-10	2.74E-09	1.58E-09	1.94E-09	1.76E-09	8.03E-10	7.04E-10	3.03E-11	7.31E-10	1.61E-10	2.63E-10	4.18E-10	7.37E-11	4.64E-11	1.72E-09
3150	488863.09	3846377.25	2.62E-06	3.21E-06	2.81E-06	9.08E-10	2.74E-09	1.59E-09	1.94E-09	1.76E-09	8.04E-10	7.05E-10	3.03E-11	7.33E-10	1.62E-10	2.64E-10	4.19E-10	7.38E-11	4.65E-11	1.73E-09
3151	489363.09	3846377.25	2.57E-06	3.15E-06	2.76E-06	8.92E-10	2.69E-09	1.56E-09	1.91E-09	1.73E-09	7.90E-10	6.93E-10	2.98E-11	7.19E-10	1.59E-10	2.59E-10	4.11E-10	7.25E-11	4.57E-11	1.70E-09
3152	489863.09	3846377.25	2.48E-06	3.04E-06	2.66E-06	8.60E-10	2.60E-09	1.50E-09	1.84E-09	1.67E-09	7.61E-10	6.67E-10	2.87E-11	6.93E-10	1.53E-10	2.50E-10	3.96E-10	6.99E-11	4.40E-11	1.64E-09
3153	490363.09	3846377.25	2.23E-06	2.74E-06	2.40E-06	7.74E-10	2.34E-09	1.35E-09	1.66E-09	1.50E-09	6.85E-10	6.01E-10	2.58E-11	6.24E-10	1.38E-10	2.25E-10	3.57E-10	6.29E-11	3.96E-11	1.47E-09
3154	490863.09	3846377.25	2.18E-06	2.67E-06	2.34E-06	7.56E-10	2.28E-09	1.32E-09	1.62E-09	1.47E-09	6.70E-10	5.87E-10	2.53E-11	6.10E-10	1.35E-10	2.20E-10	3.49E-10	6.15E-11	3.87E-11	1.44E-09
3155	491363.09	3846377.25	2.24E-06	2.75E-06	2.41E-06	7.77E-10	2.35E-09	1.36E-09	1.66E-09	1.51E-09	6.88E-10	6.03E-10	2.60E-11	6.27E-10	1.38E-10	2.26E-10	3.58E-10	6.32E-11	3.98E-11	1.48E-09
3156	491863.09	3846377.25	2.51E-06	3.08E-06	2.70E-06	8.71E-10	2.63E-09	1.52E-09	1.86E-09	1.69E-09	7.71E-10	6.76E-10	2.91E-11	7.03E-10	1.55E-10	2.53E-10	4.02E-10	7.08E-11	4.46E-11	1.66E-09
3157	492363.09	3846377.25	2.54E-06	3.12E-06	2.73E-06	8.82E-10	2.66E-09	1.54E-09	1.89E-09	1.71E-09	7.81E-10	6.85E-10	2.94E-11	7.11E-10	1.57E-10	2.56E-10	4.07E-10	7.17E-11	4.52E-11	1.68E-09
3158	492863.09	3846377.25	2.67E-06	3.26E-06	2.86E-06	9.24E-10	2.79E-09	1.61E-09	1.98E-09	1.79E-09	8.18E-10	7.17E-10	3.08E-11	7.45E-10	1.64E-10	2.69E-10	4.26E-10	7.51E-11	4.73E-11	1.76E-09
3159	493363.09	3846377.25	2.98E-06	3.65E-06	3.20E-06	1.03E-09	3.12E-09	1.80E-09	2.21E-09	2.00E-09	9.14E-10	8.01E-10	3.45E-11	8.33E-10	1.84E-10	3.00E-10	4.76E-10	8.39E-11	5.29E-11	1.96E-09
3160	493863.09	3846377.25	3.23E-06	3.96E-06	3.47E-06	1.12E-09	3.38E-09	1.96E-09	2.40E-09	2.17E-09	9.91E-10	8.69E-10	3.74E-11	9.03E-10	1.99E-10	3.25E-10	5.16E-10	9.10E-11	5.73E-11	2.13E-09
3161	494363.09	3846377.25	3.47E-06	4.25E-06	3.72E-06	1.20E-09	3.63E-09	2.10E-09	2.57E-09	2.33E-09	1.06E-09	9.33E-10	4.01E-11	9.69E-10	2.14E-10	3.49E-10	5.54E-10	9.77E-11	6.15E-11	2.29E-09
3162	494863.09	3846377.25	3.70E-06	4.53E-06	3.98E-06	1.28E-09	3.87E-09	2.24E-09	2.75E-09	2.49E-09	1.14E-09	9.96E-10	4.28E-11	1.03E-09	2.28E-10	3.73E-10	5.92E-10	1.04E-10	6.57E-11	2.44E-09
3163	495363.09	3846377.25	3.96E-06	4.85E-06	4.25E-06	1.37E-09	4.14E-09	2.40E-09	2.94E-09	2.66E-09	1.22E-09	1.07E-09	4.58E-11	1.11E-09	2.44E-10	3.99E-10	6.33E-10	1.12E-10	7.03E-11	2.61E-09
3164	495863.09	3846377.25	4.29E-06	5.25E-06	4.60E-06	1.49E-09	4.49E-09	2.60E-09	3.18E-09	2.88E-09	1.32E-09	1.15E-09	4.96E-11	1.20E-09	2.64E-10	4.32E-10	6.85E-10	1.21E-10	7.61E-11	2.83E-09
3165	496363.09	3846377.25	4.61E-06	5.64E-06	4.95E-06	1.60E-09	4.82E-09	2.79E-09	3.42E-09	3.10E-09	1.41E-09	1.24E-09	5.33E-11	1.29E-09	2.84E-10	4.64E-10	7.36E-10	1.30E-10	8.17E-11	3.04E-09

3166	496863.09	3846377.25	4.94E-06	6.05E-06	5.30E-06	1.71E-09	5.17E-09	2.99E-09	3.67E-09	3.32E-09	1.52E-09	1.33E-09	5.72E-11	1.38E-09	3.05E-10	4.98E-10	7.89E-10	1.39E-10	8.76E-11	3.26E-09
3167	497363.09	3846377.25	5.25E-06	6.44E-06	5.64E-06	1.82E-09	5.50E-09	3.18E-09	3.90E-09	3.53E-09	1.61E-09	1.41E-09	6.08E-11	1.47E-09	3.24E-10	5.29E-10	8.40E-10	1.48E-10	9.32E-11	3.46E-09
3168	497863.09	3846377.25	5.55E-06	6.80E-06	5.96E-06	1.92E-09	5.81E-09	3.36E-09	4.12E-09	3.73E-09	1.70E-09	1.49E-09	6.43E-11	1.55E-09	3.42E-10	5.59E-10	8.87E-10	1.56E-10	9.85E-11	3.66E-09
3169	498363.09	3846377.25	5.83E-06	7.14E-06	6.26E-06	2.02E-09	6.10E-09	3.53E-09	4.33E-09	3.92E-09	1.79E-09	1.57E-09	6.75E-11	1.63E-09	3.60E-10	5.87E-10	9.32E-10	1.64E-10	1.03E-10	3.84E-09
3170	471363.09	3846877.25	1.17E-05	1.43E-05	1.25E-05	4.05E-09	1.22E-08	7.07E-09	8.67E-09	7.86E-09	3.58E-09	3.14E-09	1.35E-10	3.26E-09	7.20E-10	1.18E-09	1.87E-09	3.29E-10	2.07E-10	7.70E-09
3171	471863.09	3846877.25	1.18E-05	1.44E-05	1.26E-05	4.08E-09	1.23E-08	7.13E-09	8.73E-09	7.92E-09	3.61E-09	3.17E-09	1.36E-10	3.29E-09	7.26E-10	1.19E-09	1.88E-09	3.32E-10	2.09E-10	7.76E-09
3172	472363.09	3846877.25	1.14E-05	1.39E-05	1.22E-05	3.94E-09	1.19E-08	6.89E-09	8.44E-09	7.65E-09	3.49E-09	3.06E-09	1.32E-10	3.18E-09	7.02E-10	1.15E-09	1.82E-09	3.21E-10	2.02E-10	7.50E-09
3173	472863.09	3846877.25	7.94E-06	9.72E-06	8.52E-06	2.75E-09	8.30E-09	4.81E-09	5.89E-09	5.34E-09	2.44E-09	2.14E-09	9.18E-11	2.22E-09	4.90E-10	7.99E-10	1.27E-09	2.24E-10	1.41E-10	5.23E-09
3174	473363.09	3846877.25	8.66E-06	1.06E-05	9.30E-06	3.00E-09	9.06E-09	5.24E-09	6.42E-09	5.82E-09	2.66E-09	2.33E-09	1.00E-10	2.42E-09	5.34E-10	8.72E-10	1.38E-09	2.44E-10	1.54E-10	5.71E-09
3175	473863.09	3846877.25	9.23E-06	1.13E-05	9.91E-06	3.20E-09	9.65E-09	5.59E-09	6.85E-09	6.21E-09	2.83E-09	2.48E-09	1.07E-10	2.58E-09	5.69E-10	9.29E-10	1.47E-09	2.60E-10	1.64E-10	6.08E-09
3176	474363.09	3846877.25	8.75E-06	1.07E-05	9.40E-06	3.03E-09	9.15E-09	5.30E-09	6.49E-09	5.88E-09	2.68E-09	2.35E-09	1.01E-10	2.45E-09	5.40E-10	8.81E-10	1.40E-09	2.46E-10	1.55E-10	5.77E-09
3177	474863.09	3846877.25	8.77E-06	1.07E-05	9.42E-06	3.04E-09	9.17E-09	5.31E-09	6.51E-09	5.90E-09	2.69E-09	2.36E-09	1.01E-10	2.45E-09	5.41E-10	8.83E-10	1.40E-09	2.47E-10	1.56E-10	5.78E-09
3178	475363.09	3846877.25	9.56E-06	1.17E-05	1.03E-05	3.31E-09	1.00E-08	5.79E-09	7.09E-09	6.43E-09	2.93E-09	2.57E-09	1.11E-10	2.67E-09	5.90E-10	9.63E-10	1.53E-09	2.69E-10	1.70E-10	6.30E-09
3179	475863.09	3846877.25	1.25E-05	1.53E-05	1.34E-05	4.33E-09	1.31E-08	7.56E-09	9.26E-09	8.40E-09	3.83E-09	3.36E-09	1.44E-10	3.49E-09	7.70E-10	1.26E-09	1.99E-09	3.52E-10	2.22E-10	8.23E-09
3180	476363.09	3846877.25	1.52E-05	1.87E-05	1.64E-05	5.28E-09	1.60E-08	9.24E-09	1.13E-08	1.03E-08	4.68E-09	4.10E-09	1.76E-10	4.26E-09	9.40E-10	1.54E-09	2.44E-09	4.29E-10	2.71E-10	1.01E-08
3181	476863.09	3846877.25	1.53E-05	1.88E-05	1.65E-05	5.31E-09	1.60E-08	9.29E-09	1.14E-08	1.03E-08	4.70E-09	4.13E-09	1.77E-10	4.29E-09	9.46E-10	1.54E-09	2.45E-09	4.32E-10	2.72E-10	1.01E-08
3182	477363.09	3846877.25	1.43E-05	1.75E-05	1.53E-05	4.95E-09	1.49E-08	8.65E-09	1.06E-08	9.60E-09	4.38E-09	3.84E-09	1.65E-10	3.99E-09	8.80E-10	1.44E-09	2.28E-09	4.02E-10	2.53E-10	9.41E-09
3183	477863.09	3846877.25	1.24E-05	1.52E-05	1.33E-05	4.30E-09	1.30E-08	7.52E-09	9.21E-09	8.35E-09	3.81E-09	3.34E-09	1.44E-10	3.47E-09	7.66E-10	1.25E-09	1.98E-09	3.50E-10	2.20E-10	8.18E-09
3184	478363.09	3846877.25	1.05E-05	1.29E-05	1.13E-05	3.65E-09	1.10E-08	6.39E-09	7.82E-09	7.09E-09	3.24E-09	2.84E-09	1.22E-10	2.95E-09	6.50E-10	1.06E-09	1.68E-09	2.97E-10	1.87E-10	6.95E-09
3185	478863.09	3846877.25	1.01E-05	1.24E-05	1.09E-05	3.51E-09	1.06E-08	6.14E-09	7.52E-09	6.81E-09	3.11E-09	2.73E-09	1.17E-10	2.83E-09	6.25E-10	1.02E-09	1.62E-09	2.85E-10	1.80E-10	6.68E-09
3186	479363.09	3846877.25	9.73E-06	1.19E-05	1.04E-05	3.37E-09	1.02E-08	5.89E-09	7.22E-09	6.54E-09	2.99E-09	2.62E-09	1.13E-10	2.72E-09	6.00E-10	9.80E-10	1.55E-09	2.74E-10	1.73E-10	6.41E-09
3187	479863.09	3846877.25	7.59E-06	9.30E-06	8.15E-06	2.63E-09	7.94E-09	4.60E-09	5.63E-09	5.11E-09	2.33E-09	2.04E-09	8.78E-11	2.12E-09	4.68E-10	7.65E-10	1.21E-09	2.14E-10	1.35E-10	5.00E-09
3188	480363.09	3846877.25	6.38E-06	7.82E-06	6.86E-06	2.21E-09	6.68E-09	3.87E-09	4.74E-09	4.29E-09	1.96E-09	1.72E-09	7.39E-11	1.78E-09	3.94E-10	6.43E-10	1.02E-09	1.80E-10	1.13E-10	4.21E-09
3189	480863.09	3846877.25	5.78E-06	7.08E-06	6.21E-06	2.00E-09	6.05E-09	3.50E-09	4.29E-09	3.89E-09	1.77E-09	1.56E-09	6.69E-11	1.62E-09	3.57E-10	5.83E-10	9.24E-10	1.63E-10	1.03E-10	3.81E-09
3190	481363.09	3846877.25	5.87E-06	7.19E-06	6.31E-06	2.03E-09	6.14E-09	3.56E-09	4.36E-09	3.95E-09	1.80E-09	1.58E-09	6.80E-11	1.64E-09	3.62E-10	5.92E-10	9.38E-10	1.65E-10	1.04E-10	3.87E-09
3191	481863.09	3846877.25	5.62E-06	6.89E-06	6.04E-06	1.95E-09	5.88E-09	3.41E-09	4.17E-09	3.78E-09	1.73E-09	1.51E-09	6.51E-11	1.57E-09	3.47E-10	5.66E-10	8.98E-10	1.58E-10	9.98E-11	3.71E-09
3192	482363.09	3846877.25	4.63E-06	5.67E-06	4.98E-06	1.61E-09	4.85E-09	2.81E-09	3.44E-09	3.12E-09	1.42E-09	1.25E-09	5.36E-11	1.30E-09	2.86E-10	4.67E-10	7.40E-10	1.30E-10	8.23E-11	3.05E-09
3193	482863.09	3846877.25	4.52E-06	5.53E-06	4.85E-06	1.57E-09	4.73E-09	2.74E-09	3.35E-09	3.04E-09	1.39E-09	1.22E-09	5.23E-11	1.26E-09	2.79E-10	4.55E-10	7.22E-10	1.27E-10	8.02E-11	2.98E-09
3194	483363.09	3846877.25	4.44E-06	5.44E-06	4.77E-06	1.54E-09	4.65E-09	2.69E-09	3.30E-09	2.99E-09	1.36E-09	1.20E-09	5.14E-11	1.24E-09	2.74E-10	4.48E-10	7.10E-10	1.25E-10	7.89E-11	2.93E-09
3195	483863.09	3846877.25	4.22E-06	5.17E-06	4.53E-06	1.46E-09	4.42E-09	2.56E-09	3.13E-09	2.84E-09	1.30E-09	1.14E-09	4.88E-11	1.18E-09	2.60E-10	4.25E-10	6.74E-10	1.19E-10	7.49E-11	2.78E-09
3196	484363.09	3846877.25	4.07E-06	4.98E-06	4.37E-06	1.41E-09	4.26E-09	2.47E-09	3.02E-09	2.74E-09	1.25E-09	1.10E-09	4.71E-11	1.14E-09	2.51E-10	4.10E-10	6.50E-10	1.15E-10	7.23E-11	2.68E-09
3197	484863.09	3846877.25	3.90E-06	4.78E-06	4.19E-06	1.35E-09	4.08E-09	2.36E-09	2.90E-09	2.63E-09	1.20E-09	1.05E-09	4.52E-11	1.09E-09	2.41E-10	3.93E-10	6.24E-10	1.10E-10	6.93E-11	2.57E-09
3198	485363.09	3846877.25	3.83E-06	4.69E-06	4.11E-06	1.33E-09	4.01E-09	2.32E-09	2.84E-09	2.58E-09	1.18E-09	1.03E-09	4.43E-11	1.07E-09	2.36E-10	3.86E-10	6.12E-10	1.08E-10	6.80E-11	2.52E-09
3199	485863.09	3846877.25	3.50E-06	4.29E-06	3.76E-06	1.21E-09	3.67E-09	2.12E-09	2.60E-09	2.36E-09	1.08E-09	9.43E-10	4.06E-11	9.80E-10	2.16E-10	3.53E-10	5.60E-10	9.87E-11	6.22E-11	2.31E-09
3200	486363.09	3846877.25	3.53E-06	4.33E-06	3.80E-06	1.22E-09	3.70E-09	2.14E-09	2.62E-09	2.38E-09	1.08E-09	9.51E-10	4.09E-11	9.88E-10	2.18E-10	3.56E-10	5.65E-10	9.95E-11	6.28E-11	2.33E-09
3201	486863.09	3846877.25	3.09E-06	3.79E-06	3.32E-06	1.07E-09	3.23E-09	1.87E-09	2.29E-09	2.08E-09	9.49E-10	8.32E-10	3.58E-11	8.64E-10	1.91E-10	3.11E-10	4.94E-10	8.71E-11	5.49E-11	2.04E-09
3202	487363.09	3846877.25	3.11E-06	3.82E-06	3.35E-06	1.08E-09	3.26E-09	1.89E-09	2.31E-09	2.10E-09	9.56E-10	8.38E-10	3.60E-11	8.71E-10	1.92E-10	3.14E-10	4.98E-10	8.77E-11	5.53E-11	2.05E-09
3203	487863.09	3846877.25	3.01E-06	3.69E-06	3.23E-06	1.04E-09	3.15E-09	1.82E-09	2.23E-09	2.02E-09	9.24E-10	8.10E-10	3.48E-11	8.41E-10	1.86E-10	3.03E-10	4.81E-10	8.48E-11	5.34E-11	1.98E-09
3204	488363.09	3846877.25	2.91E-06	3.57E-06	3.13E-06	1.01E-09	3.05E-09	1.76E-09	2.16E-09	1.96E-09	8.94E-10	7.84E-10	3.37E-11	8.14E-10	1.80E-10	2.93E-10	4.65E-10	8.20E-11	5.17E-11	1.92E-09
3205	488863.09	3846877.25	2.91E-06	3.57E-06	3.13E-06	1.01E-09	3.05E-09	1.76E-09	2.16E-09	1.96E-09	8.94E-10	7.84E-10	3.37E-11	8.14E-10	1.80E-10	2.93E-10	4.65E-10	8.20E-11	5.17E-11	1.92E-09
3206	489363.09	3846877.25	2.89E-06	3.53E-06	3.10E-06	1.00E-09	3.02E-09	1.75E-09	2.14E-09	1.94E-09	8.86E-10	7.77E-10	3.34E-11	8.07E-10	1.78E-10	2.91E-10	4.61E-10	8.13E-11	5.12E-11	1.90E-09
3207	489863.09	3846877.25	2.82E-06	3.45E-06	3.03E-06	9.76E-10	2.95E-09	1.71E-09	2.09E-09	1.90E-09	8.65E-10	7.58E-10	3.26E-11	7.88E-10	1.74E-10	2.84E-10	4.50E-10	7.94E-11	5.00E-11	1.86E-09
3208	490363.09	3846877.25	2.59E-06	3.18E-06	2.78E-06	8.99E-10	2.71E-09	1.57E-09	1.92E-09	1.74E-09	7.96E-10	6.97E-10	3.00E-11	7.25E-10	1.60E-10	2.61E-10	4.14E-10	7.30E-11	4.60E-11	1.71E-09
3209	490863.09	3846877.25	2.60E-06	3.18E-06	2.79E-06	9.01E-10	2.72E-09	1.57E-09	1.93E-09	1.75E-09	7.98E-10	6.99E-10	3.01E-11	7.27E-10	1.60E-10	2.62E-10	4.15E-10	7.32E-11	4.61E-11	1.71E-09
3210	491363.09	3846877.25	2.67E-06	3.27E-06	2.87E-06	9.26E-10	2.80E-09	1.62E-09	1.98E-09	1.80E-09	8.20E-10	7.19E-10	3.09E-11	7.47E-10	1.65E-10	2.69E-10	4.27E-10	7.53E-11	4.74E-11	1.76E-09
3211	491863.09	3846877.25	2.66E-06	3.26E-06	2.86E-06	9.23E-10	2.79E-09	1.61E-09	1.98E-09	1.79E-09	8.18E-10	7.17E-10	3.08E-11	7.45E-10	1.64E-10	2.68E-10	4.26E-10	7.50E-11	4.73E-11	1.76E-09
3212	492363.09	3846877.25	3.04E-06	3.72E-06	3.26E-06	1.05E-09	3.18E-09	1.84E-09	2.25E-09	2.04E-09	9.33E-10	8.18E-10	3.52E-11	8.49E-10	1.87E-10	3.06E-10	4.86E-10	8.56E-11	5.39E-11	2.00E-09
3213	492863.09	3846877.25	3.22E-06	3.94E-06	3.45E-06	1.11E-09	3.37E-09	1.95E-09	2.39E-09	2.16E-09	9.87E-10	8.65E-10	3.72E-11	8.99E-10	1.98E-10	3.24E-10	5.14E-10	9.06E-11	5.71E-11	2.12E-09
3214	493363.09	3846877.25	3.49E-06	4.27E-06	3.75E-06	1.21E-09	3.65E-09	2.11E-09	2.59E-09	2.35E-09	1.07E-09	9.38E-10	4.04E-11	9.75E-10	2.15E-10	3.51E-10	5.57E-10	9.82E-11	6.19E-11	2.30E-09
3215	493863.09	3846877.25	3.72E-06	4.56E-06	4.00E-06	1.29E-09	3.90E-09	2.26E-09	2.76E-09	2.50E-09	1.14E-09	1.00E-09	4.31E-11	1.04E-09	2.30E-10	3.75E-10	5.95E-10	1.05E-10	6.61E-11	2.45E-09
3216	494363.09	3846877.25	3.92E-06	4.80E-06	4.21E-06	1.36E-09	4.10E-09	2.37E-09	2.91E-09	2.64E-09	1.20E-09	1.05E-09	4.53E-11	1.10E-09	2.42E-10	3.95E-10	6.26E-10	1.10E-10	6.95E-11	2.58E-09
3217	494863.09	3846877.25	4.20E-06	5.14E-06	4.51E-06	1.45E-09	4.39E-09	2.54E-09	3.11E-09	2.82E-09	1.29E-09	1.13E-09	4.86E-11	1.17E-09	2.59E-10	4.23E-10	6.70E-10	1.18E-10	7.45E-11	2.77E-09
3218	495363.09	3846877.25	4.47E-06	5.47E-06	4.79E-06	1.55E-09	4.67E-09	2.70E-09	3.31E-09	3.00E-09	1.37E-09	1.20E-09	5.17E-11	1.25E-09	2.75E-10	4.50E-10	7.14E-10	1.26E-10	7.92E-11	2.94E-09
3219	495863.09	3846877.25	4.77E-06	5.84E-06	5.12E-06	1.65E-09	4.99E-09	2.89E-09	3.54E-09	3.21E-09	1.46E-09	1.28E-09	5.52E-11	1.33E-09	2.94E-10	4.80E-10	7.62E-10	1.34E-10	8.46E-11	3.14E-09
3220	496363.09	3846877.25	5.10E-06	6.25E-06	5.47E-06	1.77E-09	5.34E-09	3.09E-09	3.78E-09	3.43E-09	1.57E-09	1.37E-09	5.90E-11	1.43E-09	3.15E-10	5.14E-10	8.15E-10	1.44E-10	9.05E-11	3.36E-09
3221	496863.09	3846877.25	5.51E-06	6.75E-06	5.92E-06	1.91E-09	5.77E-09	3.34E-09	4.09E-09	3.71E-09	1.69E-09	1.48E-09	6.38E-11	1.54E-09	3.40E-10	5.55E-10	8.81E-10	1.55E-10	9.78E-11	3.63E-09
3222	497363.09	3846877.25	6.07E-06	7.43E-06	6.51E-06	2.10E-09	6.35E-09	3.68E-09	4.50E-09	4.08E-09	1.86E-09	1.63E-09	7.02E-11	1.70E-09	3.74E-10	6.11E-10	9.70E-10	1.71E-10	1.08E-10	4.00E-09
3223	497863.09	3846877.25	6.58E-06	8.06E-06	7.06E-06	2.28E-09	6.89E-09	3.99E-09	4.88E-09	4.43E-09	2.02E-09	1.77E-09	7.62E-11	1.84E-09	4.06E-10	6.63E-10	1.05E-09	1.85E-10	1.17E-10	4.34E-09
3224	498363.09	3846877.25	6.84E-06	8.37E-06	7.34E-06	2.37E-09	7.15E-09	4.14E-09	5.07E-09	4.60E-09	2.10E-09	1.84E-09	7.91E-11	1.91E-09	4.22E-10	6.89E-10	1.09E-09	1.93E-10	1.21E-10	4.51E-09
3225	471363.09	3847377.25	1.25E-05	1.53E-05	1.34E-05	4.34E-09	1.31E-08	7.58E-09	9.28E-09	8.42E-09	3.84E-09	3.37E-09	1.45E-10	3.50E-09	7.72E-10	1.26E-09	2.00E-09	3.52E-10	2.22E-10	8.25E-09
3226	471863.09	3847377.25	1.27E-05	1.56E-05	1.37E-05	4.42E-09	1.33E-08	7.72E-09	9.46E-09	8.57E-09	3.91E-09	3.43E-09	1.47E-10	3.56E-09	7.86E-10	1.28E-09	2.04E-09	3.59E-10	2.26E-10	8.40E-09

3227	472363.09	3847377.25	1.29E-05	1.58E-05	1.39E-05	4.47E-09	1.35E-08	7.82E-09	9.58E-09	8.69E-09	3.96E-09	3.48E-09	1.49E-10	3.61E-09	7.96E-10	1.30E-09	2.06E-09	3.64E-10	2.29E-10	8.51E-09
3228	472863.09	3847377.25	1.26E-05	1.54E-05	1.35E-05	4.35E-09	1.31E-08	7.61E-09	9.32E-09	8.45E-09	3.85E-09	3.38E-09	1.45E-10	3.51E-09	7.75E-10	1.27E-09	2.01E-09	3.54E-10	2.23E-10	8.28E-09
3229	473363.09	3847377.25	1.05E-05	1.29E-05	1.13E-05	3.65E-09	1.10E-08	6.39E-09	7.83E-09	7.09E-09	3.24E-09	2.84E-09	1.22E-10	2.95E-09	6.51E-10	1.06E-09	1.69E-09	2.97E-10	1.87E-10	6.95E-09
3230	473863.09	3847377.25	1.04E-05	1.28E-05	1.12E-05	3.61E-09	1.09E-08	6.32E-09	7.74E-09	7.01E-09	3.20E-09	2.81E-09	1.21E-10	2.91E-09	6.43E-10	1.05E-09	1.67E-09	2.94E-10	1.85E-10	6.87E-09
3231	474363.09	3847377.25	1.08E-05	1.33E-05	1.16E-05	3.76E-09	1.13E-08	6.56E-09	8.04E-09	7.29E-09	3.33E-09	2.92E-09	1.25E-10	3.03E-09	6.68E-10	1.09E-09	1.73E-09	3.05E-10	1.92E-10	7.14E-09
3232	474863.09	3847377.25	1.00E-05	1.23E-05	1.08E-05	3.47E-09	1.05E-08	6.07E-09	7.44E-09	6.74E-09	3.08E-09	2.70E-09	1.16E-10	2.80E-09	6.18E-10	1.01E-09	1.60E-09	2.82E-10	1.78E-10	6.61E-09
3233	475363.09	3847377.25	9.45E-06	1.16E-05	1.02E-05	3.28E-09	9.89E-09	5.73E-09	7.01E-09	6.36E-09	2.90E-09	2.54E-09	1.09E-10	2.64E-09	5.83E-10	9.52E-10	1.51E-09	2.66E-10	1.68E-10	6.23E-09
3234	475863.09	3847377.25	1.12E-05	1.37E-05	1.20E-05	3.87E-09	1.17E-08	6.77E-09	8.29E-09	7.51E-09	3.43E-09	3.01E-09	1.29E-10	3.12E-09	6.89E-10	1.13E-09	1.78E-09	3.15E-10	1.98E-10	7.36E-09
3235	476363.09	3847377.25	1.48E-05	1.81E-05	1.59E-05	5.12E-09	1.55E-08	8.95E-09	1.10E-08	9.94E-09	4.54E-09	3.98E-09	1.71E-10	4.13E-09	9.12E-10	1.49E-09	2.36E-09	4.16E-10	2.62E-10	9.75E-09
3236	476863.09	3847377.25	1.70E-05	2.08E-05	1.82E-05	5.88E-09	1.78E-08	1.03E-08	1.26E-08	1.14E-08	5.21E-09	4.57E-09	1.96E-10	4.75E-09	1.05E-09	1.71E-09	2.71E-09	4.78E-10	3.01E-10	1.12E-08
3237	477363.09	3847377.25	1.74E-05	2.13E-05	1.87E-05	6.04E-09	1.82E-08	1.06E-08	1.29E-08	1.17E-08	5.35E-09	4.69E-09	2.02E-10	4.87E-09	1.07E-09	1.75E-09	2.78E-09	4.91E-10	3.09E-10	1.15E-08
3238	477863.09	3847377.25	1.58E-05	1.93E-05	1.69E-05	5.47E-09	1.65E-08	9.56E-09	1.17E-08	1.06E-08	4.84E-09	4.25E-09	1.83E-10	4.41E-09	9.73E-10	1.59E-09	2.52E-09	4.44E-10	2.80E-10	1.04E-08
3239	478363.09	3847377.25	1.40E-05	1.71E-05	1.50E-05	4.83E-09	1.46E-08	8.45E-09	1.04E-08	9.38E-09	4.28E-09	3.76E-09	1.61E-10	3.90E-09	8.61E-10	1.41E-09	2.23E-09	3.93E-10	2.48E-10	9.20E-09
3240	478863.09	3847377.25	1.24E-05	1.52E-05	1.33E-05	4.29E-09	1.29E-08	7.49E-09	9.18E-09	8.32E-09	3.80E-09	3.33E-09	1.43E-10	3.46E-09	7.63E-10	1.25E-09	1.98E-09	3.48E-10	2.20E-10	8.16E-09
3241	479363.09	3847377.25	9.93E-06	1.22E-05	1.07E-05	3.44E-09	1.04E-08	6.01E-09	7.37E-09	6.68E-09	3.05E-09	2.67E-09	1.15E-10	2.78E-09	6.12E-10	1.00E-09	1.59E-09	2.80E-10	1.76E-10	6.55E-09
3242	479863.09	3847377.25	7.38E-06	9.05E-06	7.93E-06	2.56E-09	7.73E-09	4.47E-09	5.48E-09	4.97E-09	2.27E-09	1.99E-09	8.55E-11	2.06E-09	4.56E-10	7.44E-10	1.18E-09	2.08E-10	1.31E-10	4.87E-09
3243	480363.09	3847377.25	5.05E-06	6.18E-06	5.42E-06	1.75E-09	5.28E-09	3.06E-09	3.74E-09	3.39E-09	1.55E-09	1.36E-09	5.84E-11	1.41E-09	3.11E-10	5.08E-10	8.07E-10	1.42E-10	8.96E-11	3.33E-09
3244	480863.09	3847377.25	4.48E-06	5.49E-06	4.81E-06	1.55E-09	4.69E-09	2.71E-09	3.32E-09	3.01E-09	1.37E-09	1.21E-09	5.18E-11	1.25E-09	2.76E-10	4.51E-10	7.16E-10	1.26E-10	7.95E-11	2.95E-09
3245	481363.09	3847377.25	4.91E-06	6.01E-06	5.27E-06	1.70E-09	5.14E-09	2.97E-09	3.64E-09	3.30E-09	1.51E-09	1.32E-09	5.68E-11	1.37E-09	3.03E-10	4.95E-10	7.85E-10	1.38E-10	8.72E-11	3.24E-09
3246	481863.09	3847377.25	6.22E-06	7.62E-06	6.68E-06	2.16E-09	6.51E-09	3.77E-09	4.62E-09	4.19E-09	1.91E-09	1.67E-09	7.20E-11	1.74E-09	3.84E-10	6.27E-10	9.95E-10	1.75E-10	1.10E-10	4.10E-09
3247	482363.09	3847377.25	5.79E-06	7.09E-06	6.22E-06	2.01E-09	6.06E-09	3.51E-09	4.29E-09	3.89E-09	1.78E-09	1.56E-09	6.70E-11	1.62E-09	3.57E-10	5.83E-10	9.25E-10	1.63E-10	1.03E-10	3.81E-09
3248	482863.09	3847377.25	5.28E-06	6.46E-06	5.67E-06	1.83E-09	5.52E-09	3.20E-09	3.92E-09	3.55E-09	1.62E-09	1.42E-09	6.11E-11	1.48E-09	3.25E-10	5.32E-10	8.43E-10	1.49E-10	9.37E-11	3.48E-09
3249	483363.09	3847377.25	5.02E-06	6.14E-06	5.39E-06	1.74E-09	5.25E-09	3.04E-09	3.72E-09	3.37E-09	1.54E-09	1.35E-09	5.80E-11	1.40E-09	3.09E-10	5.05E-10	8.02E-10	1.41E-10	8.90E-11	3.31E-09
3250	483863.09	3847377.25	4.82E-06	5.91E-06	5.18E-06	1.67E-09	5.05E-09	2.92E-09	3.58E-09	3.24E-09	1.48E-09	1.30E-09	5.58E-11	1.35E-09	2.97E-10	4.86E-10	7.71E-10	1.36E-10	8.56E-11	3.18E-09
3251	484363.09	3847377.25	4.92E-06	6.02E-06	5.28E-06	1.70E-09	5.14E-09	2.98E-09	3.65E-09	3.31E-09	1.51E-09	1.32E-09	5.69E-11	1.37E-09	3.03E-10	4.95E-10	7.86E-10	1.38E-10	8.73E-11	3.24E-09
3252	484863.09	3847377.25	4.61E-06	5.65E-06	4.95E-06	1.60E-09	4.82E-09	2.79E-09	3.42E-09	3.10E-09	1.41E-09	1.24E-09	5.33E-11	1.29E-09	2.84E-10	4.64E-10	7.37E-10	1.30E-10	8.19E-11	3.04E-09
3253	485363.09	3847377.25	4.43E-06	5.43E-06	4.76E-06	1.54E-09	4.64E-09	2.69E-09	3.29E-09	2.98E-09	1.36E-09	1.19E-09	5.13E-11	1.24E-09	2.74E-10	4.47E-10	7.09E-10	1.25E-10	7.87E-11	2.92E-09
3254	485863.09	3847377.25	4.27E-06	5.23E-06	4.59E-06	1.48E-09	4.47E-09	2.59E-09	3.17E-09	2.87E-09	1.31E-09	1.15E-09	4.94E-11	1.19E-09	2.63E-10	4.30E-10	6.82E-10	1.20E-10	7.58E-11	2.82E-09
3255	486363.09	3847377.25	4.18E-06	5.13E-06	4.50E-06	1.45E-09	4.38E-09	2.53E-09	3.10E-09	2.81E-09	1.28E-09	1.13E-09	4.84E-11	1.17E-09	2.58E-10	4.22E-10	6.69E-10	1.18E-10	7.43E-11	2.76E-09
3256	486863.09	3847377.25	3.76E-06	4.60E-06	4.04E-06	1.30E-09	3.93E-09	2.28E-09	2.79E-09	2.53E-09	1.15E-09	1.01E-09	4.35E-11	1.05E-09	2.32E-10	3.79E-10	6.01E-10	1.06E-10	6.67E-11	2.48E-09
3257	487363.09	3847377.25	3.72E-06	4.56E-06	4.00E-06	1.29E-09	3.89E-09	2.25E-09	2.76E-09	2.50E-09	1.14E-09	1.00E-09	4.31E-11	1.04E-09	2.30E-10	3.75E-10	5.95E-10	1.05E-10	6.61E-11	2.45E-09
3258	487863.09	3847377.25	3.42E-06	4.19E-06	3.67E-06	1.18E-09	3.58E-09	2.07E-09	2.54E-09	2.30E-09	1.05E-09	9.20E-10	3.96E-11	9.55E-10	2.11E-10	3.44E-10	5.46E-10	9.63E-11	6.07E-11	2.25E-09
3259	488363.09	3847377.25	3.35E-06	4.10E-06	3.59E-06	1.16E-09	3.50E-09	2.03E-09	2.48E-09	2.25E-09	1.03E-09	9.00E-10	3.87E-11	9.35E-10	2.06E-10	3.37E-10	5.35E-10	9.42E-11	5.94E-11	2.21E-09
3260	488863.09	3847377.25	3.30E-06	4.04E-06	3.54E-06	1.14E-09	3.45E-09	2.00E-09	2.45E-09	2.22E-09	1.01E-09	8.88E-10	3.82E-11	9.22E-10	2.04E-10	3.32E-10	5.27E-10	9.29E-11	5.86E-11	2.18E-09
3261	489363.09	3847377.25	3.30E-06	4.04E-06	3.54E-06	1.14E-09	3.45E-09	2.00E-09	2.45E-09	2.22E-09	1.01E-09	8.88E-10	3.82E-11	9.22E-10	2.04E-10	3.32E-10	5.27E-10	9.29E-11	5.86E-11	2.18E-09
3262	489863.09	3847377.25	3.18E-06	3.89E-06	3.41E-06	1.10E-09	3.32E-09	1.92E-09	2.36E-09	2.14E-09	9.75E-10	8.55E-10	3.68E-11	8.88E-10	1.96E-10	3.20E-10	5.08E-10	8.95E-11	5.64E-11	2.09E-09
3263	490363.09	3847377.25	3.11E-06	3.81E-06	3.34E-06	1.08E-09	3.26E-09	1.89E-09	2.31E-09	2.09E-09	9.56E-10	8.37E-10	3.60E-11	8.70E-10	1.92E-10	3.14E-10	4.98E-10	8.77E-11	5.52E-11	2.05E-09
3264	490863.09	3847377.25	3.17E-06	3.88E-06	3.40E-06	1.10E-09	3.32E-09	1.92E-09	2.35E-09	2.13E-09	9.73E-10	8.52E-10	3.67E-11	8.86E-10	1.96E-10	3.19E-10	5.07E-10	8.93E-11	5.62E-11	2.09E-09
3265	491363.09	3847377.25	3.20E-06	3.92E-06	3.43E-06	1.11E-09	3.35E-09	1.94E-09	2.37E-09	2.15E-09	9.82E-10	8.61E-10	3.70E-11	8.94E-10	1.97E-10	3.22E-10	5.11E-10	9.01E-11	5.68E-11	2.11E-09
3266	491863.09	3847377.25	3.49E-06	4.27E-06	3.75E-06	1.21E-09	3.65E-09	2.11E-09	2.59E-09	2.35E-09	1.07E-09	9.39E-10	4.04E-11	9.75E-10	2.15E-10	3.51E-10	5.58E-10	9.83E-11	6.19E-11	2.30E-09
3267	492363.09	3847377.25	3.57E-06	4.37E-06	3.83E-06	1.24E-09	3.74E-09	2.16E-09	2.65E-09	2.40E-09	1.10E-09	9.61E-10	4.13E-11	9.98E-10	2.20E-10	3.60E-10	5.71E-10	1.01E-10	6.34E-11	2.35E-09
3268	492863.09	3847377.25	3.84E-06	4.71E-06	4.13E-06	1.33E-09	4.02E-09	2.33E-09	2.85E-09	2.58E-09	1.18E-09	1.03E-09	4.45E-11	1.07E-09	2.37E-10	3.87E-10	6.14E-10	1.08E-10	6.82E-11	2.53E-09
3269	493363.09	3847377.25	4.06E-06	4.97E-06	4.36E-06	1.41E-09	4.24E-09	2.46E-09	3.01E-09	2.73E-09	1.24E-09	1.09E-09	4.69E-11	1.13E-09	2.50E-10	4.09E-10	6.48E-10	1.14E-10	7.20E-11	2.67E-09
3270	493863.09	3847377.25	4.19E-06	5.14E-06	4.50E-06	1.45E-09	4.39E-09	2.54E-09	3.11E-09	2.82E-09	1.29E-09	1.13E-09	4.85E-11	1.17E-09	2.59E-10	4.22E-10	6.70E-10	1.18E-10	7.44E-11	2.76E-09
3271	494363.09	3847377.25	4.35E-06	5.33E-06	4.68E-06	1.51E-09	4.56E-09	2.64E-09	3.23E-09	2.93E-09	1.34E-09	1.17E-09	5.04E-11	1.22E-09	2.69E-10	4.39E-10	6.96E-10	1.23E-10	7.73E-11	2.87E-09
3272	494863.09	3847377.25	4.61E-06	5.64E-06	4.94E-06	1.60E-09	4.82E-09	2.79E-09	3.42E-09	3.10E-09	1.41E-09	1.24E-09	5.33E-11	1.29E-09	2.84E-10	4.64E-10	7.36E-10	1.30E-10	8.17E-11	3.04E-09
3273	495363.09	3847377.25	4.89E-06	5.99E-06	5.25E-06	1.69E-09	5.11E-09	2.96E-09	3.63E-09	3.29E-09	1.50E-09	1.31E-09	5.66E-11	1.37E-09	3.01E-10	4.92E-10	7.81E-10	1.38E-10	8.67E-11	3.22E-09
3274	495863.09	3847377.25	5.22E-06	6.40E-06	5.60E-06	1.81E-09	5.46E-09	3.16E-09	3.87E-09	3.51E-09	1.60E-09	1.40E-09	6.04E-11	1.46E-09	3.22E-10	5.26E-10	8.34E-10	1.47E-10	9.26E-11	3.44E-09
3275	496363.09	3847377.25	5.55E-06	6.80E-06	5.96E-06	1.92E-09	5.81E-09	3.36E-09	4.12E-09	3.74E-09	1.70E-09	1.49E-09	6.43E-11	1.55E-09	3.43E-10	5.60E-10	8.88E-10	1.56E-10	9.85E-11	3.66E-09
3276	496863.09	3847377.25	6.09E-06	7.46E-06	6.53E-06	2.11E-09	6.37E-09	3.69E-09	4.52E-09	4.09E-09	1.87E-09	1.64E-09	7.04E-11	1.70E-09	3.75E-10	6.13E-10	9.73E-10	1.71E-10	1.08E-10	4.01E-09
3277	497363.09	3847377.25	6.82E-06	8.35E-06	7.32E-06	2.36E-09	7.14E-09	4.13E-09	5.06E-09	4.59E-09	2.09E-09	1.83E-09	7.89E-11	1.91E-09	4.21E-10	6.87E-10	1.09E-09	1.92E-10	1.21E-10	4.50E-09
3278	497863.09	3847377.25	7.68E-06	9.41E-06	8.25E-06	2.66E-09	8.04E-09	4.65E-09	5.70E-09	5.17E-09	2.36E-09	2.07E-09	8.89E-11	2.15E-09	4.74E-10	7.74E-10	1.23E-09	2.16E-10	1.36E-10	5.07E-09
3279	498363.09	3847377.25	8.09E-06	9.92E-06	8.69E-06	2.81E-09	8.47E-09	4.90E-09	6.01E-09	5.44E-09	2.48E-09	2.18E-09	9.37E-11	2.26E-09	4.99E-10	8.15E-10	1.29E-09	2.28E-10	1.44E-10	5.34E-09
3280	471363.09	3847877.25	1.34E-05	1.64E-05	1.44E-05	4.65E-09	1.40E-08	8.13E-09	9.96E-09	9.03E-09	4.12E-09	3.61E-09	1.55E-10	3.75E-09	8.28E-10	1.35E-09	2.14E-09	3.78E-10	2.38E-10	8.85E-09
3281	471863.09	3847877.25	1.38E-05	1.69E-05	1.48E-05	4.77E-09	1.44E-08	8.34E-09	1.02E-08	9.26E-09	4.23E-09	3.71E-09	1.59E-10	3.85E-09	8.50E-10	1.39E-09	2.20E-09	3.88E-10	2.44E-10	9.08E-09
3282	472363.09	3847877.25	1.40E-05	1.72E-05	1.51E-05	4.86E-09	1.47E-08	8.49E-09	1.04E-08	9.43E-09	4.30E-09	3.77E-09	1.62E-10	3.92E-09	8.65E-10	1.41E-09	2.24E-09	3.95E-10	2.49E-10	9.24E-09
3283	472863.09	3847877.25	1.42E-05	1.74E-05	1.52E-05	4.92E-09	1.49E-08	8.60E-09	1.05E-08	9.55E-09	4.36E-09	3.82E-09	1.64E-10	3.97E-09	8.75E-10	1.43E-09	2.27E-09	4.00E-10	2.52E-10	9.36E-09
3284	473363.09	3847877.25	1.44E-05	1.76E-05	1.54E-05	4.98E-09	1.50E-08	8.71E-09	1.07E-08	9.67E-09	4.41E-09	3.87E-09	1.66E-10	4.02E-09	8.87E-10	1.45E-09	2.30E-09	4.05E-10	2.55E-10	9.48E-09
3285	473863.09	3847877.25	1.38E-05	1.69E-05	1.48E-05	4.79E-09	1.45E-08	8.37E-09	1.03E-08	9.29E-09	4.24E-09	3.72E-09	1.60E-10	3.86E-09	8.52E-10	1.39E-09	2.21E-09	3.89E-10	2.45E-10	9.11E-09
3286	474363.09	3847877.25	1.21E-05	1.48E-05	1.30E-05	4.18E-09	1.26E-08	7.30E-09	8.95E-09	8.11E-09	3.70E-09	3.25E-09	1.40E-10	3.37E-09	7.44E-10	1.21E-09	1.93E-09	3.40E-10	2.14E-10	7.95E-09
3287	474863.09	3847877.25	1.25E-05	1.53E-05	1.34E-05	4.33E-09	1.31E-08	7.56E-09	9.26E-09	8.40E-09	3.83E-09	3.36E-09	1.44E-10	3.49E-09	7.70E-10	1.26E-09	2.00E-09	3.52E-10	2.22E-10	8.23E-09

3288	475363.09	3847877.25	1.14E-05	1.40E-05	1.23E-05	3.97E-09	1.20E-08	6.93E-09	8.49E-09	7.70E-09	3.51E-09	3.08E-09	1.32E-10	3.20E-09	7.06E-10	1.15E-09	1.83E-09	3.22E-10	2.03E-10	7.54E-09
3289	475863.09	3847877.25	1.06E-05	1.29E-05	1.13E-05	3.66E-09	1.10E-08	6.39E-09	7.83E-09	7.10E-09	3.24E-09	2.84E-09	1.22E-10	2.95E-09	6.51E-10	1.06E-09	1.69E-09	2.97E-10	1.87E-10	6.96E-09
3290	476363.09	3847877.25	1.32E-05	1.62E-05	1.42E-05	4.58E-09	1.38E-08	8.00E-09	9.80E-09	8.88E-09	4.05E-09	3.55E-09	1.53E-10	3.69E-09	8.15E-10	1.33E-09	2.11E-09	3.72E-10	2.34E-10	8.71E-09
3291	476863.09	3847877.25	1.64E-05	2.01E-05	1.77E-05	5.69E-09	1.72E-08	9.95E-09	1.22E-08	1.11E-08	5.04E-09	4.42E-09	1.90E-10	4.59E-09	1.01E-09	1.66E-09	2.63E-09	4.63E-10	2.92E-10	1.08E-08
3292	477363.09	3847877.25	1.94E-05	2.38E-05	2.09E-05	6.74E-09	2.03E-08	1.18E-08	1.44E-08	1.31E-08	5.97E-09	5.23E-09	2.25E-10	5.43E-09	1.20E-09	1.96E-09	3.11E-09	5.48E-10	3.45E-10	1.28E-08
3293	477863.09	3847877.25	1.97E-05	2.41E-05	2.11E-05	6.82E-09	2.06E-08	1.19E-08	1.46E-08	1.32E-08	6.04E-09	5.29E-09	2.28E-10	5.50E-09	1.21E-09	1.98E-09	3.14E-09	5.54E-10	3.49E-10	1.30E-08
3294	478363.09	3847877.25	1.78E-05	2.18E-05	1.92E-05	6.18E-09	1.87E-08	1.08E-08	1.32E-08	1.20E-08	5.47E-09	4.80E-09	2.06E-10	4.98E-09	1.10E-09	1.80E-09	2.85E-09	5.02E-10	3.17E-10	1.18E-08
3295	478863.09	3847877.25	1.54E-05	1.89E-05	1.65E-05	5.34E-09	1.61E-08	9.33E-09	1.14E-08	1.04E-08	4.73E-09	4.15E-09	1.78E-10	4.31E-09	9.50E-10	1.55E-09	2.46E-09	4.34E-10	2.73E-10	1.02E-08
3296	479363.09	3847877.25	1.03E-05	1.26E-05	1.10E-05	3.56E-09	1.08E-08	6.23E-09	7.63E-09	6.92E-09	3.16E-09	2.77E-09	1.19E-10	2.87E-09	6.34E-10	1.04E-09	1.64E-09	2.90E-10	1.82E-10	6.78E-09
3297	479863.09	3847877.25	5.97E-06	7.31E-06	6.42E-06	2.07E-09	6.25E-09	3.62E-09	4.43E-09	4.02E-09	1.83E-09	1.61E-09	6.91E-11	1.67E-09	3.68E-10	6.02E-10	9.54E-10	1.68E-10	1.06E-10	3.94E-09
3298	480363.09	3847877.25	6.17E-06	7.56E-06	6.63E-06	2.14E-09	6.46E-09	3.74E-09	4.58E-09	4.15E-09	1.89E-09	1.66E-09	7.14E-11	1.73E-09	3.81E-10	6.22E-10	9.86E-10	1.74E-10	1.10E-10	4.07E-09
3299	480863.09	3847877.25	5.35E-06	6.55E-06	5.75E-06	1.85E-09	5.60E-09	3.24E-09	3.97E-09	3.60E-09	1.64E-09	1.44E-09	6.19E-11	1.50E-09	3.30E-10	5.39E-10	8.55E-10	1.51E-10	9.50E-11	3.53E-09
3300	481363.09	3847877.25	5.40E-06	6.61E-06	5.80E-06	1.87E-09	5.65E-09	3.27E-09	4.01E-09	3.63E-09	1.66E-09	1.45E-09	6.25E-11	1.51E-09	3.33E-10	5.44E-10	8.63E-10	1.52E-10	9.58E-11	3.56E-09
3301	481863.09	3847877.25	7.41E-06	9.08E-06	7.96E-06	2.57E-09	7.75E-09	4.49E-09	5.50E-09	4.98E-09	2.27E-09	1.99E-09	8.58E-11	2.07E-09	4.57E-10	7.47E-10	1.18E-09	2.09E-10	1.32E-10	4.89E-09
3302	482363.09	3847877.25	6.92E-06	8.48E-06	7.43E-06	2.40E-09	7.24E-09	4.19E-09	5.13E-09	4.65E-09	2.12E-09	1.86E-09	8.01E-11	1.93E-09	4.27E-10	6.97E-10	1.11E-09	1.95E-10	1.23E-10	4.56E-09
3303	482863.09	3847877.25	6.02E-06	7.38E-06	6.47E-06	2.09E-09	6.30E-09	3.65E-09	4.47E-09	4.05E-09	1.85E-09	1.62E-09	6.97E-11	1.68E-09	3.72E-10	6.07E-10	9.63E-10	1.70E-10	1.07E-10	3.97E-09
3304	483363.09	3847877.25	5.80E-06	7.11E-06	6.23E-06	2.01E-09	6.07E-09	3.52E-09	4.31E-09	3.90E-09	1.78E-09	1.56E-09	6.72E-11	1.62E-09	3.58E-10	5.85E-10	9.27E-10	1.63E-10	1.03E-10	3.83E-09
3305	483863.09	3847877.25	5.64E-06	6.91E-06	6.06E-06	1.95E-09	5.90E-09	3.42E-09	4.18E-09	3.79E-09	1.73E-09	1.52E-09	6.52E-11	1.58E-09	3.48E-10	5.68E-10	9.01E-10	1.59E-10	1.00E-10	3.72E-09
3306	484363.09	3847877.25	5.73E-06	7.01E-06	6.15E-06	1.98E-09	5.99E-09	3.47E-09	4.25E-09	3.85E-09	1.76E-09	1.54E-09	6.63E-11	1.60E-09	3.53E-10	5.77E-10	9.15E-10	1.61E-10	1.02E-10	3.77E-09
3307	484863.09	3847877.25	5.47E-06	6.70E-06	5.88E-06	1.90E-09	5.72E-09	3.31E-09	4.06E-09	3.68E-09	1.68E-09	1.47E-09	6.33E-11	1.53E-09	3.37E-10	5.51E-10	8.74E-10	1.54E-10	9.71E-11	3.61E-09
3308	485363.09	3847877.25	5.37E-06	6.57E-06	5.77E-06	1.86E-09	5.62E-09	3.25E-09	3.98E-09	3.61E-09	1.65E-09	1.45E-09	6.21E-11	1.50E-09	3.31E-10	5.41E-10	8.58E-10	1.51E-10	9.53E-11	3.54E-09
3309	485863.09	3847877.25	5.24E-06	6.41E-06	5.62E-06	1.81E-09	5.48E-09	3.17E-09	3.89E-09	3.52E-09	1.61E-09	1.41E-09	6.06E-11	1.46E-09	3.23E-10	5.27E-10	8.37E-10	1.47E-10	9.29E-11	3.45E-09
3310	486363.09	3847877.25	4.78E-06	5.86E-06	5.14E-06	1.66E-09	5.00E-09	2.90E-09	3.55E-09	3.22E-09	1.47E-09	1.29E-09	5.53E-11	1.34E-09	2.95E-10	4.82E-10	7.64E-10	1.35E-10	8.49E-11	3.15E-09
3311	486863.09	3847877.25	4.48E-06	5.49E-06	4.81E-06	1.55E-09	4.69E-09	2.71E-09	3.32E-09	3.01E-09	1.38E-09	1.21E-09	5.19E-11	1.25E-09	2.76E-10	4.51E-10	7.16E-10	1.26E-10	7.96E-11	2.95E-09
3312	487363.09	3847877.25	4.25E-06	5.20E-06	4.56E-06	1.47E-09	4.44E-09	2.57E-09	3.15E-09	2.86E-09	1.30E-09	1.14E-09	4.92E-11	1.19E-09	2.62E-10	4.28E-10	6.79E-10	1.20E-10	7.54E-11	2.80E-09
3313	487863.09	3847877.25	3.97E-06	4.86E-06	4.26E-06	1.38E-09	4.15E-09	2.40E-09	2.94E-09	2.67E-09	1.22E-09	1.07E-09	4.59E-11	1.11E-09	2.45E-10	4.00E-10	6.34E-10	1.12E-10	7.05E-11	2.62E-09
3314	488363.09	3847877.25	3.85E-06	4.72E-06	4.14E-06	1.34E-09	4.03E-09	2.33E-09	2.86E-09	2.59E-09	1.18E-09	1.04E-09	4.46E-11	1.08E-09	2.38E-10	3.88E-10	6.16E-10	1.09E-10	6.84E-11	2.54E-09
3315	488863.09	3847877.25	3.83E-06	4.69E-06	4.11E-06	1.33E-09	4.00E-09	2.32E-09	2.84E-09	2.57E-09	1.17E-09	1.03E-09	4.43E-11	1.07E-09	2.36E-10	3.86E-10	6.12E-10	1.08E-10	6.80E-11	2.52E-09
3316	489363.09	3847877.25	3.87E-06	4.74E-06	4.16E-06	1.34E-09	4.05E-09	2.35E-09	2.87E-09	2.61E-09	1.19E-09	1.04E-09	4.48E-11	1.08E-09	2.39E-10	3.90E-10	6.19E-10	1.09E-10	6.88E-11	2.55E-09
3317	489863.09	3847877.25	4.12E-06	5.04E-06	4.42E-06	1.43E-09	4.31E-09	2.49E-09	3.05E-09	2.77E-09	1.26E-09	1.11E-09	4.76E-11	1.15E-09	2.54E-10	4.15E-10	6.58E-10	1.16E-10	7.30E-11	2.71E-09
3318	490363.09	3847877.25	4.18E-06	5.12E-06	4.49E-06	1.45E-09	4.38E-09	2.53E-09	3.10E-09	2.81E-09	1.28E-09	1.12E-09	4.84E-11	1.17E-09	2.58E-10	4.21E-10	6.68E-10	1.18E-10	7.42E-11	2.76E-09
3319	490863.09	3847877.25	4.13E-06	5.06E-06	4.43E-06	1.43E-09	4.32E-09	2.50E-09	3.06E-09	2.78E-09	1.27E-09	1.11E-09	4.78E-11	1.15E-09	2.55E-10	4.16E-10	6.60E-10	1.16E-10	7.32E-11	2.72E-09
3320	491363.09	3847877.25	4.00E-06	4.90E-06	4.30E-06	1.39E-09	4.19E-09	2.42E-09	2.97E-09	2.69E-09	1.23E-09	1.08E-09	4.63E-11	1.12E-09	2.47E-10	4.03E-10	6.39E-10	1.13E-10	7.10E-11	2.64E-09
3321	491863.09	3847877.25	4.14E-06	5.07E-06	4.44E-06	1.43E-09	4.33E-09	2.51E-09	3.07E-09	2.78E-09	1.27E-09	1.11E-09	4.79E-11	1.16E-09	2.55E-10	4.17E-10	6.61E-10	1.17E-10	7.35E-11	2.73E-09
3322	492363.09	3847877.25	4.37E-06	5.36E-06	4.70E-06	1.52E-09	4.58E-09	2.65E-09	3.25E-09	2.94E-09	1.34E-09	1.18E-09	5.06E-11	1.22E-09	2.70E-10	4.41E-10	6.99E-10	1.23E-10	7.76E-11	2.88E-09
3323	492863.09	3847877.25	4.53E-06	5.54E-06	4.86E-06	1.57E-09	4.74E-09	2.74E-09	3.36E-09	3.04E-09	1.39E-09	1.22E-09	5.24E-11	1.27E-09	2.79E-10	4.56E-10	7.23E-10	1.27E-10	8.04E-11	2.98E-09
3324	493363.09	3847877.25	4.51E-06	5.52E-06	4.84E-06	1.56E-09	4.72E-09	2.73E-09	3.34E-09	3.03E-09	1.38E-09	1.21E-09	5.22E-11	1.26E-09	2.78E-10	4.54E-10	7.20E-10	1.27E-10	8.00E-11	2.97E-09
3325	493863.09	3847877.25	4.61E-06	5.65E-06	4.95E-06	1.60E-09	4.83E-09	2.79E-09	3.42E-09	3.10E-09	1.42E-09	1.24E-09	5.34E-11	1.29E-09	2.84E-10	4.65E-10	7.37E-10	1.30E-10	8.18E-11	3.04E-09
3326	494363.09	3847877.25	4.82E-06	5.91E-06	5.18E-06	1.67E-09	5.05E-09	2.92E-09	3.58E-09	3.24E-09	1.48E-09	1.30E-09	5.58E-11	1.35E-09	2.97E-10	4.86E-10	7.71E-10	1.36E-10	8.56E-11	3.18E-09
3327	494863.09	3847877.25	5.13E-06	6.28E-06	5.50E-06	1.78E-09	5.36E-09	3.11E-09	3.80E-09	3.45E-09	1.57E-09	1.38E-09	5.93E-11	1.43E-09	3.16E-10	5.16E-10	8.19E-10	1.44E-10	9.09E-11	3.38E-09
3328	495363.09	3847877.25	5.30E-06	6.49E-06	5.69E-06	1.84E-09	5.55E-09	3.21E-09	3.93E-09	3.57E-09	1.63E-09	1.43E-09	6.14E-11	1.48E-09	3.27E-10	5.34E-10	8.47E-10	1.49E-10	9.41E-11	3.50E-09
3329	495863.09	3847877.25	5.06E-06	6.20E-06	5.43E-06	1.75E-09	5.30E-09	3.07E-09	3.75E-09	3.40E-09	1.55E-09	1.36E-09	5.86E-11	1.41E-09	3.12E-10	5.10E-10	8.09E-10	1.43E-10	8.98E-11	3.34E-09
3330	496363.09	3847877.25	6.07E-06	7.43E-06	6.51E-06	2.10E-09	6.35E-09	3.68E-09	4.50E-09	4.08E-09	1.86E-09	1.63E-09	7.02E-11	1.70E-09	3.74E-10	6.11E-10	9.70E-10	1.71E-10	1.08E-10	4.00E-09
3331	496863.09	3847877.25	6.68E-06	8.19E-06	7.17E-06	2.32E-09	6.99E-09	4.05E-09	4.96E-09	4.49E-09	2.05E-09	1.80E-09	7.73E-11	1.87E-09	4.12E-10	6.73E-10	1.07E-09	1.88E-10	1.19E-10	4.41E-09
3332	497363.09	3847877.25	7.45E-06	9.12E-06	8.00E-06	2.58E-09	7.79E-09	4.51E-09	5.53E-09	5.01E-09	2.29E-09	2.00E-09	8.62E-11	2.08E-09	4.59E-10	7.50E-10	1.19E-09	2.10E-10	1.32E-10	4.91E-09
3333	497863.09	3847877.25	8.86E-06	1.09E-05	9.52E-06	3.07E-09	9.27E-09	5.37E-09	6.58E-09	5.96E-09	2.72E-09	2.38E-09	1.03E-10	2.48E-09	5.47E-10	8.93E-10	1.42E-09	2.50E-10	1.57E-10	5.84E-09
3334	498363.09	3847877.25	9.67E-06	1.18E-05	1.04E-05	3.35E-09	1.01E-08	5.86E-09	7.17E-09	6.50E-09	2.97E-09	2.60E-09	1.12E-10	2.70E-09	5.96E-10	9.74E-10	1.54E-09	2.72E-10	1.72E-10	6.37E-09
3335	471363.09	3848377.25	1.37E-05	1.68E-05	1.47E-05	4.74E-09	1.43E-08	8.29E-09	1.02E-08	9.21E-09	4.20E-09	3.68E-09	1.58E-10	3.83E-09	8.44E-10	1.38E-09	2.19E-09	3.85E-10	2.43E-10	9.02E-09
3336	471863.09	3848377.25	1.45E-05	1.77E-05	1.55E-05	5.01E-09	1.51E-08	8.76E-09	1.07E-08	9.72E-09	4.44E-09	3.89E-09	1.67E-10	4.04E-09	8.92E-10	1.46E-09	2.31E-09	4.07E-10	2.57E-10	9.53E-09
3337	472363.09	3848377.25	1.50E-05	1.83E-05	1.61E-05	5.19E-09	1.57E-08	9.07E-09	1.11E-08	1.01E-08	4.60E-09	4.03E-09	1.73E-10	4.19E-09	9.24E-10	1.51E-09	2.39E-09	4.22E-10	2.66E-10	9.87E-09
3338	472863.09	3848377.25	1.54E-05	1.88E-05	1.65E-05	5.33E-09	1.61E-08	9.32E-09	1.14E-08	1.03E-08	4.72E-09	4.14E-09	1.78E-10	4.30E-09	9.49E-10	1.55E-09	2.46E-09	4.33E-10	2.73E-10	1.01E-08
3339	473363.09	3848377.25	1.56E-05	1.91E-05	1.68E-05	5.42E-09	1.64E-08	9.47E-09	1.16E-08	1.05E-08	4.80E-09	4.21E-09	1.81E-10	4.37E-09	9.64E-10	1.57E-09	2.50E-09	4.40E-10	2.78E-10	1.03E-08
3340	473863.09	3848377.25	1.59E-05	1.94E-05	1.71E-05	5.50E-09	1.66E-08	9.62E-09	1.18E-08	1.07E-08	4.87E-09	4.27E-09	1.84E-10	4.44E-09	9.79E-10	1.60E-09	2.54E-09	4.47E-10	2.82E-10	1.05E-08
3341	474363.09	3848377.25	1.56E-05	1.91E-05	1.67E-05	5.40E-09	1.63E-08	9.44E-09	1.16E-08	1.05E-08	4.78E-09	4.19E-09	1.80E-10	4.36E-09	9.61E-10	1.57E-09	2.49E-09	4.39E-10	2.77E-10	1.03E-08
3342	474863.09	3848377.25	1.41E-05	1.72E-05	1.51E-05	4.88E-09	1.47E-08	8.53E-09	1.04E-08	9.47E-09	4.32E-09	3.79E-09	1.63E-10	3.94E-09	8.69E-10	1.42E-09	2.25E-09	3.97E-10	2.50E-10	9.28E-09
3343	475363.09	3848377.25	1.48E-05	1.81E-05	1.59E-05	5.13E-09	1.55E-08	8.98E-09	1.10E-08	9.97E-09	4.55E-09	3.99E-09	1.71E-10	4.14E-09	9.14E-10	1.49E-09	2.37E-09	4.17E-10	2.63E-10	9.77E-09
3344	475863.09	3848377.25	1.35E-05	1.65E-05	1.45E-05	4.67E-09	1.41E-08	8.17E-09	1.00E-08	9.07E-09	4.14E-09	3.63E-09	1.56E-10	3.77E-09	8.32E-10	1.36E-09	2.16E-09	3.80E-10	2.39E-10	8.89E-09
3345	476363.09	3848377.25	1.20E-05	1.47E-05	1.29E-05	4.17E-09	1.26E-08	7.28E-09	8.92E-09	8.09E-09	3.69E-09	3.24E-09	1.39E-10	3.36E-09	7.42E-10	1.21E-09	1.92E-09	3.39E-10	2.14E-10	7.93E-09
3346	476863.09	3848377.25	1.52E-05	1.86E-05	1.63E-05	5.27E-09	1.59E-08	9.21E-09	1.13E-08	1.02E-08	4.66E-09	4.09E-09	1.76E-10	4.25E-09	9.38E-10	1.53E-09	2.43E-09	4.28E-10	2.70E-10	1.00E-08
3347	477363.09	3848377.25	1.81E-05	2.22E-05	1.95E-05	6.29E-09	1.90E-08	1.10E-08	1.35E-08	1.22E-08	5.57E-09	4.88E-09	2.10E-10	5.07E-09	1.12E-09	1.83E-09	2.90E-09	5.11E-10	3.22E-10	1.20E-08
3348	477863.09	3848377.25	2.18E-05	2.67E-05	2.34E-05	7.56E-09	2.28E-08	1.32E-08	1.62E-08	1.47E-08	6.69E-09	5.87E-09	2.52E-10	6.10E-09	1.35E-09	2.20E-09	3.48E-09	6.14E-10	3.87E-10	1.44E-08

3349	478363.09	3848377.25	2.19E-05	2.68E-05	2.35E-05	7.57E-09	2.29E-08	1.32E-08	1.62E-08	1.47E-08	6.71E-09	5.88E-09	2.53E-10	6.11E-09	1.35E-09	2.20E-09	3.49E-09	6.16E-10	3.88E-10	1.44E-08
3350	478863.09	3848377.25	1.90E-05	2.32E-05	2.04E-05	6.57E-09	1.98E-08	1.15E-08	1.41E-08	1.27E-08	5.82E-09	5.10E-09	2.19E-10	5.30E-09	1.17E-09	1.91E-09	3.03E-09	5.34E-10	3.37E-10	1.25E-08
3351	479363.09	3848377.25	1.29E-05	1.58E-05	1.38E-05	4.47E-09	1.35E-08	7.81E-09	9.57E-09	8.67E-09	3.96E-09	3.47E-09	1.49E-10	3.60E-09	7.95E-10	1.30E-09	2.06E-09	3.63E-10	2.29E-10	8.50E-09
3352	479863.09	3848377.25	4.41E-06	5.40E-06	4.74E-06	1.53E-09	4.62E-09	2.67E-09	3.27E-09	2.97E-09	1.35E-09	1.19E-09	5.10E-11	1.23E-09	2.72E-10	4.44E-10	7.05E-10	1.24E-10	7.83E-11	2.91E-09
3353	480363.09	3848377.25	6.25E-06	7.66E-06	6.72E-06	2.17E-09	6.54E-09	3.79E-09	4.64E-09	4.21E-09	1.92E-09	1.68E-09	7.24E-11	1.75E-09	3.86E-10	6.30E-10	1.00E-09	1.76E-10	1.11E-10	4.12E-09
3354	480863.09	3848377.25	8.80E-06	1.08E-05	9.45E-06	3.05E-09	9.21E-09	5.33E-09	6.53E-09	5.92E-09	2.70E-09	2.37E-09	1.02E-10	2.46E-09	5.43E-10	8.87E-10	1.41E-09	2.48E-10	1.56E-10	5.80E-09
3355	481363.09	3848377.25	8.62E-06	1.06E-05	9.26E-06	2.99E-09	9.02E-09	5.22E-09	6.39E-09	5.80E-09	2.64E-09	2.32E-09	9.97E-11	2.41E-09	5.31E-10	8.68E-10	1.38E-09	2.43E-10	1.53E-10	5.68E-09
3356	481863.09	3848377.25	8.77E-06	1.07E-05	9.43E-06	3.04E-09	9.18E-09	5.32E-09	6.51E-09	5.90E-09	2.69E-09	2.36E-09	1.02E-10	2.45E-09	5.41E-10	8.84E-10	1.40E-09	2.47E-10	1.56E-10	5.79E-09
3357	482363.09	3848377.25	8.78E-06	1.08E-05	9.43E-06	3.04E-09	9.19E-09	5.32E-09	6.52E-09	5.91E-09	2.70E-09	2.36E-09	1.02E-10	2.46E-09	5.42E-10	8.85E-10	1.40E-09	2.47E-10	1.56E-10	5.79E-09
3358	482863.09	3848377.25	7.37E-06	9.03E-06	7.92E-06	2.56E-09	7.72E-09	4.47E-09	5.47E-09	4.96E-09	2.26E-09	1.98E-09	8.53E-11	2.06E-09	4.55E-10	7.43E-10	1.18E-09	2.08E-10	1.31E-10	4.86E-09
3359	483363.09	3848377.25	7.12E-06	8.72E-06	7.65E-06	2.47E-09	7.45E-09	4.31E-09	5.28E-09	4.79E-09	2.19E-09	1.92E-09	8.24E-11	1.99E-09	4.39E-10	7.17E-10	1.14E-09	2.01E-10	1.26E-10	4.69E-09
3360	483863.09	3848377.25	6.42E-06	7.86E-06	6.90E-06	2.22E-09	6.72E-09	3.89E-09	4.76E-09	4.32E-09	1.97E-09	1.73E-09	7.43E-11	1.79E-09	3.96E-10	6.47E-10	1.03E-09	1.81E-10	1.14E-10	4.23E-09
3361	484363.09	3848377.25	6.31E-06	7.73E-06	6.78E-06	2.19E-09	6.60E-09	3.82E-09	4.68E-09	4.25E-09	1.94E-09	1.70E-09	7.30E-11	1.76E-09	3.89E-10	6.36E-10	1.01E-09	1.78E-10	1.12E-10	4.16E-09
3362	484863.09	3848377.25	6.72E-06	8.23E-06	7.22E-06	2.33E-09	7.03E-09	4.07E-09	4.99E-09	4.52E-09	2.06E-09	1.81E-09	7.78E-11	1.88E-09	4.15E-10	6.77E-10	1.07E-09	1.89E-10	1.19E-10	4.43E-09
3363	485363.09	3848377.25	6.36E-06	7.79E-06	6.83E-06	2.20E-09	6.65E-09	3.85E-09	4.72E-09	4.28E-09	1.95E-09	1.71E-09	7.36E-11	1.78E-09	3.92E-10	6.40E-10	1.02E-09	1.79E-10	1.13E-10	4.19E-09
3364	485863.09	3848377.25	6.13E-06	7.50E-06	6.58E-06	2.12E-09	6.41E-09	3.71E-09	4.55E-09	4.12E-09	1.88E-09	1.65E-09	7.09E-11	1.71E-09	3.78E-10	6.17E-10	9.79E-10	1.73E-10	1.09E-10	4.04E-09
3365	486363.09	3848377.25	5.71E-06	6.99E-06	6.13E-06	1.98E-09	5.97E-09	3.46E-09	4.24E-09	3.84E-09	1.75E-09	1.54E-09	6.61E-11	1.60E-09	3.52E-10	5.75E-10	9.12E-10	1.61E-10	1.01E-10	3.76E-09
3366	486863.09	3848377.25	5.24E-06	6.42E-06	5.63E-06	1.82E-09	5.48E-09	3.18E-09	3.89E-09	3.53E-09	1.61E-09	1.41E-09	6.07E-11	1.47E-09	3.23E-10	5.28E-10	8.38E-10	1.48E-10	9.31E-11	3.46E-09
3367	487363.09	3848377.25	4.73E-06	5.80E-06	5.09E-06	1.64E-09	4.95E-09	2.87E-09	3.51E-09	3.18E-09	1.45E-09	1.27E-09	5.48E-11	1.32E-09	2.92E-10	4.77E-10	7.57E-10	1.33E-10	8.41E-11	3.12E-09
3368	487863.09	3848377.25	4.62E-06	5.66E-06	4.96E-06	1.60E-09	4.83E-09	2.80E-09	3.43E-09	3.11E-09	1.42E-09	1.24E-09	5.35E-11	1.29E-09	2.85E-10	4.65E-10	7.38E-10	1.30E-10	8.20E-11	3.05E-09
3369	488363.09	3848377.25	4.50E-06	5.51E-06	4.83E-06	1.56E-09	4.71E-09	2.72E-09	3.34E-09	3.03E-09	1.38E-09	1.21E-09	5.20E-11	1.26E-09	2.77E-10	4.53E-10	7.19E-10	1.27E-10	7.99E-11	2.97E-09
3370	488863.09	3848377.25	4.53E-06	5.55E-06	4.87E-06	1.57E-09	4.75E-09	2.75E-09	3.36E-09	3.05E-09	1.39E-09	1.22E-09	5.25E-11	1.27E-09	2.80E-10	4.57E-10	7.25E-10	1.28E-10	8.05E-11	2.99E-09
3371	489363.09	3848377.25	4.69E-06	5.75E-06	5.04E-06	1.63E-09	4.91E-09	2.84E-09	3.48E-09	3.16E-09	1.44E-09	1.26E-09	5.43E-11	1.31E-09	2.89E-10	4.73E-10	7.50E-10	1.32E-10	8.33E-11	3.09E-09
3372	489863.09	3848377.25	5.07E-06	6.21E-06	5.44E-06	1.76E-09	5.31E-09	3.07E-09	3.76E-09	3.41E-09	1.56E-09	1.36E-09	5.87E-11	1.42E-09	3.13E-10	5.11E-10	8.10E-10	1.43E-10	8.99E-11	3.34E-09
3373	490363.09	3848377.25	5.08E-06	6.22E-06	5.45E-06	1.76E-09	5.32E-09	3.08E-09	3.77E-09	3.42E-09	1.56E-09	1.37E-09	5.88E-11	1.42E-09	3.13E-10	5.12E-10	8.12E-10	1.43E-10	9.01E-11	3.35E-09
3374	490863.09	3848377.25	4.93E-06	6.04E-06	5.29E-06	1.71E-09	5.16E-09	2.99E-09	3.66E-09	3.31E-09	1.51E-09	1.33E-09	5.70E-11	1.38E-09	3.04E-10	4.97E-10	7.88E-10	1.39E-10	8.75E-11	3.25E-09
3375	491363.09	3848377.25	4.92E-06	6.03E-06	5.29E-06	1.71E-09	5.15E-09	2.98E-09	3.65E-09	3.31E-09	1.51E-09	1.32E-09	5.70E-11	1.38E-09	3.04E-10	4.96E-10	7.87E-10	1.39E-10	8.74E-11	3.25E-09
3376	491863.09	3848377.25	5.04E-06	6.18E-06	5.42E-06	1.75E-09	5.28E-09	3.06E-09	3.74E-09	3.39E-09	1.55E-09	1.36E-09	5.84E-11	1.41E-09	3.11E-10	5.08E-10	8.06E-10	1.42E-10	8.95E-11	3.33E-09
3377	492363.09	3848377.25	4.96E-06	6.07E-06	5.33E-06	1.72E-09	5.19E-09	3.00E-09	3.68E-09	3.34E-09	1.52E-09	1.33E-09	5.74E-11	1.39E-09	3.06E-10	5.00E-10	7.93E-10	1.40E-10	8.80E-11	3.27E-09
3378	492863.09	3848377.25	4.84E-06	5.93E-06	5.20E-06	1.68E-09	5.07E-09	2.93E-09	3.59E-09	3.26E-09	1.49E-09	1.30E-09	5.60E-11	1.35E-09	2.99E-10	4.88E-10	7.74E-10	1.36E-10	8.60E-11	3.19E-09
3379	493363.09	3848377.25	4.99E-06	6.11E-06	5.36E-06	1.73E-09	5.22E-09	3.02E-09	3.70E-09	3.36E-09	1.53E-09	1.34E-09	5.77E-11	1.39E-09	3.08E-10	5.03E-10	7.97E-10	1.41E-10	8.85E-11	3.29E-09
3380	493863.09	3848377.25	5.18E-06	6.34E-06	5.56E-06	1.79E-09	5.42E-09	3.14E-09	3.84E-09	3.48E-09	1.59E-09	1.39E-09	5.99E-11	1.45E-09	3.19E-10	5.22E-10	8.27E-10	1.46E-10	9.19E-11	3.41E-09
3381	494363.09	3848377.25	5.37E-06	6.57E-06	5.76E-06	1.86E-09	5.61E-09	3.25E-09	3.98E-09	3.61E-09	1.65E-09	1.44E-09	6.21E-11	1.50E-09	3.31E-10	5.41E-10	8.58E-10	1.51E-10	9.52E-11	3.54E-09
3382	494863.09	3848377.25	5.72E-06	7.01E-06	6.14E-06	1.98E-09	5.98E-09	3.46E-09	4.24E-09	3.85E-09	1.76E-09	1.54E-09	6.62E-11	1.60E-09	3.53E-10	5.76E-10	9.14E-10	1.61E-10	1.01E-10	3.77E-09
3383	495363.09	3848377.25	5.67E-06	6.95E-06	6.09E-06	1.97E-09	5.94E-09	3.44E-09	4.21E-09	3.82E-09	1.74E-09	1.53E-09	6.57E-11	1.59E-09	3.50E-10	5.72E-10	9.07E-10	1.60E-10	1.01E-10	3.74E-09
3384	495863.09	3848377.25	5.95E-06	7.29E-06	6.39E-06	2.06E-09	6.23E-09	3.61E-09	4.42E-09	4.00E-09	1.83E-09	1.60E-09	6.89E-11	1.66E-09	3.67E-10	6.00E-10	9.51E-10	1.68E-10	1.06E-10	3.92E-09
3385	496363.09	3848377.25	6.64E-06	8.14E-06	7.13E-06	2.30E-09	6.95E-09	4.02E-09	4.93E-09	4.47E-09	2.04E-09	1.79E-09	7.69E-11	1.86E-09	4.10E-10	6.69E-10	1.06E-09	1.87E-10	1.18E-10	4.38E-09
3386	496863.09	3848377.25	6.84E-06	8.38E-06	7.34E-06	2.37E-09	7.16E-09	4.14E-09	5.07E-09	4.60E-09	2.10E-09	1.84E-09	7.91E-11	1.91E-09	4.22E-10	6.89E-10	1.09E-09	1.93E-10	1.21E-10	4.51E-09
3387	497363.09	3848377.25	7.86E-06	9.63E-06	8.44E-06	2.72E-09	8.22E-09	4.76E-09	5.83E-09	5.29E-09	2.41E-09	2.11E-09	9.10E-11	2.20E-09	4.85E-10	7.92E-10	1.26E-09	2.21E-10	1.39E-10	5.18E-09
3388	497863.09	3848377.25	1.07E-05	1.31E-05	1.15E-05	3.72E-09	1.12E-08	6.50E-09	7.97E-09	7.22E-09	3.29E-09	2.89E-09	1.24E-10	3.00E-09	6.62E-10	1.08E-09	1.72E-09	3.02E-10	1.90E-10	7.08E-09
3389	498363.09	3848377.25	1.14E-05	1.40E-05	1.23E-05	3.96E-09	1.20E-08	6.92E-09	8.48E-09	7.68E-09	3.51E-09	3.07E-09	1.32E-10	3.19E-09	7.05E-10	1.15E-09	1.83E-09	3.22E-10	2.03E-10	7.53E-09
3390	471363.09	3848877.25	1.34E-05	1.64E-05	1.44E-05	4.64E-09	1.40E-08	8.12E-09	9.94E-09	9.01E-09	4.11E-09	3.61E-09	1.55E-10	3.75E-09	8.27E-10	1.35E-09	2.14E-09	3.77E-10	2.38E-10	8.83E-09
3391	471863.09	3848877.25	1.44E-05	1.77E-05	1.55E-05	5.00E-09	1.51E-08	8.74E-09	1.07E-08	9.71E-09	4.43E-09	3.89E-09	1.67E-10	4.04E-09	8.90E-10	1.45E-09	2.31E-09	4.07E-10	2.56E-10	9.52E-09
3392	472363.09	3848877.25	1.54E-05	1.89E-05	1.66E-05	5.34E-09	1.61E-08	9.34E-09	1.14E-08	1.04E-08	4.73E-09	4.15E-09	1.78E-10	4.31E-09	9.51E-10	1.55E-09	2.46E-09	4.34E-10	2.74E-10	1.02E-08
3393	472863.09	3848877.25	1.63E-05	1.99E-05	1.75E-05	5.64E-09	1.70E-08	9.85E-09	1.21E-08	1.09E-08	4.99E-09	4.38E-09	1.88E-10	4.55E-09	1.00E-09	1.64E-09	2.60E-09	4.58E-10	2.89E-10	1.07E-08
3394	473363.09	3848877.25	1.70E-05	2.08E-05	1.82E-05	5.88E-09	1.77E-08	1.03E-08	1.26E-08	1.14E-08	5.20E-09	4.56E-09	1.96E-10	4.74E-09	1.05E-09	1.71E-09	2.71E-09	4.77E-10	3.01E-10	1.12E-08
3395	473863.09	3848877.25	1.74E-05	2.13E-05	1.87E-05	6.02E-09	1.82E-08	1.05E-08	1.29E-08	1.17E-08	5.33E-09	4.67E-09	2.01E-10	4.85E-09	1.07E-09	1.75E-09	2.77E-09	4.89E-10	3.08E-10	1.14E-08
3396	474363.09	3848877.25	1.78E-05	2.18E-05	1.92E-05	6.18E-09	1.87E-08	1.08E-08	1.32E-08	1.20E-08	5.47E-09	4.80E-09	2.06E-10	4.99E-09	1.10E-09	1.80E-09	2.85E-09	5.02E-10	3.17E-10	1.18E-08
3397	474863.09	3848877.25	1.72E-05	2.11E-05	1.85E-05	5.97E-09	1.80E-08	1.04E-08	1.28E-08	1.16E-08	5.29E-09	4.64E-09	1.99E-10	4.81E-09	1.06E-09	1.73E-09	2.75E-09	4.85E-10	3.06E-10	1.14E-08
3398	475363.09	3848877.25	1.68E-05	2.06E-05	1.81E-05	5.83E-09	1.76E-08	1.02E-08	1.25E-08	1.13E-08	5.16E-09	4.53E-09	1.95E-10	4.70E-09	1.04E-09	1.70E-09	2.69E-09	4.74E-10	2.99E-10	1.11E-08
3399	475863.09	3848877.25	1.71E-05	2.10E-05	1.84E-05	5.94E-09	1.79E-08	1.04E-08	1.27E-08	1.15E-08	5.26E-09	4.61E-09	1.98E-10	4.79E-09	1.06E-09	1.73E-09	2.74E-09	4.82E-10	3.04E-10	1.13E-08
3400	476363.09	3848877.25	1.62E-05	1.98E-05	1.74E-05	5.61E-09	1.69E-08	9.81E-09	1.20E-08	1.09E-08	4.97E-09	4.36E-09	1.87E-10	4.53E-09	9.99E-10	1.63E-09	2.59E-09	4.56E-10	2.87E-10	1.07E-08
3401	476863.09	3848877.25	1.49E-05	1.83E-05	1.60E-05	5.17E-09	1.56E-08	9.03E-09	1.11E-08	1.00E-08	4.58E-09	4.01E-09	1.73E-10	4.17E-09	9.20E-10	1.50E-09	2.38E-09	4.20E-10	2.65E-10	9.83E-09
3402	477363.09	3848877.25	1.77E-05	2.17E-05	1.90E-05	6.13E-09	1.85E-08	1.07E-08	1.31E-08	1.19E-08	5.42E-09	4.76E-09	2.05E-10	4.94E-09	1.09E-09	1.78E-09	2.82E-09	4.98E-10	3.14E-10	1.17E-08
3403	477863.09	3848877.25	2.08E-05	2.54E-05	2.23E-05	7.20E-09	2.17E-08	1.26E-08	1.54E-08	1.40E-08	6.38E-09	5.59E-09	2.40E-10	5.81E-09	1.28E-09	2.09E-09	3.32E-09	5.85E-10	3.69E-10	1.37E-08
3404	478363.09	3848877.25	2.50E-05	3.06E-05	2.68E-05	8.66E-09	2.61E-08	1.51E-08	1.85E-08	1.68E-08	7.67E-09	6.72E-09	2.89E-10	6.98E-09	1.54E-09	2.52E-09	3.99E-09	7.03E-10	4.43E-10	1.65E-08
3405	478863.09	3848877.25	2.44E-05	2.99E-05	2.62E-05	8.45E-09	2.55E-08	1.48E-08	1.81E-08	1.64E-08	7.48E-09	6.56E-09	2.82E-10	6.81E-09	1.50E-09	2.46E-09	3.90E-09	6.87E-10	4.33E-10	1.61E-08
3406	479363.09	3848877.25	1.98E-05	2.43E-05	2.13E-05	6.87E-09	2.07E-08	1.20E-08	1.47E-08	1.33E-08	6.08E-09	5.33E-09	2.29E-10	5.54E-09	1.22E-09	2.00E-09	3.17E-09	5.58E-10	3.52E-10	1.31E-08
3407	479863.09	3848877.25	1.43E-05	1.75E-05	1.53E-05	4.95E-09	1.49E-08	8.65E-09	1.06E-08	9.61E-09	4.38E-09	3.84E-09	1.65E-10	3.99E-09	8.81E-10	1.44E-09	2.28E-09	4.02E-10	2.54E-10	9.42E-09
3408	480363.09	3848877.25	1.36E-05	1.66E-05	1.46E-05	4.70E-09	1.42E-08	8.21E-09	1.01E-08	9.12E-09	4.16E-09	3.65E-09	1.57E-10	3.79E-09	8.36E-10	1.37E-09	2.17E-09	3.82E-10	2.41E-10	8.94E-09
3409	480863.09	3848877.25	1.39E-05	1.70E-05	1.49E-05	4.81E-09	1.45E-08	8.41E-09	1.03E-08	9.34E-09	4.26E-09	3.74E-09	1.61E-10	3.88E-09	8.57E-10	1.40E-09	2.22E-09	3.91E-10	2.47E-10	9.16E-09

3410	481363.09	3848877.25	1.27E-05	1.55E-05	1.36E-05	4.40E-09	1.33E-08	7.69E-09	9.42E-09	8.54E-09	3.89E-09	3.42E-09	1.47E-10	3.55E-09	7.83E-10	1.28E-09	2.03E-09	3.57E-10	2.25E-10	8.37E-09
3411	481863.09	3848877.25	1.05E-05	1.29E-05	1.13E-05	3.64E-09	1.10E-08	6.37E-09	7.80E-09	7.07E-09	3.23E-09	2.83E-09	1.22E-10	2.94E-09	6.49E-10	1.06E-09	1.68E-09	2.96E-10	1.87E-10	6.93E-09
3412	482363.09	3848877.25	8.64E-06	1.06E-05	9.28E-06	2.99E-09	9.04E-09	5.23E-09	6.41E-09	5.81E-09	2.65E-09	2.32E-09	1.00E-10	2.41E-09	5.33E-10	8.70E-10	1.38E-09	2.43E-10	1.53E-10	5.69E-09
3413	482863.09	3848877.25	7.13E-06	8.73E-06	7.66E-06	2.47E-09	7.46E-09	4.32E-09	5.29E-09	4.79E-09	2.19E-09	1.92E-09	8.25E-11	1.99E-09	4.40E-10	7.18E-10	1.14E-09	2.01E-10	1.27E-10	4.70E-09
3414	483363.09	3848877.25	6.22E-06	7.61E-06	6.68E-06	2.15E-09	6.50E-09	3.77E-09	4.61E-09	4.18E-09	1.91E-09	1.67E-09	7.19E-11	1.74E-09	3.83E-10	6.26E-10	9.93E-10	1.75E-10	1.10E-10	4.10E-09
3415	483863.09	3848877.25	6.08E-06	7.44E-06	6.53E-06	2.11E-09	6.36E-09	3.68E-09	4.51E-09	4.09E-09	1.86E-09	1.64E-09	7.03E-11	1.70E-09	3.75E-10	6.12E-10	9.71E-10	1.71E-10	1.08E-10	4.01E-09
3416	484363.09	3848877.25	7.17E-06	8.78E-06	7.70E-06	2.48E-09	7.50E-09	4.34E-09	5.32E-09	4.82E-09	2.20E-09	1.93E-09	8.29E-11	2.00E-09	4.42E-10	7.22E-10	1.15E-09	2.02E-10	1.27E-10	4.73E-09
3417	484863.09	3848877.25	8.20E-06	1.00E-05	8.81E-06	2.84E-09	8.58E-09	4.97E-09	6.08E-09	5.52E-09	2.52E-09	2.21E-09	9.49E-11	2.29E-09	5.06E-10	8.26E-10	1.31E-09	2.31E-10	1.46E-10	5.41E-09
3418	485363.09	3848877.25	7.68E-06	9.40E-06	8.25E-06	2.66E-09	8.03E-09	4.65E-09	5.70E-09	5.16E-09	2.36E-09	2.07E-09	8.89E-11	2.15E-09	4.74E-10	7.74E-10	1.23E-09	2.16E-10	1.36E-10	5.06E-09
3419	485863.09	3848877.25	7.29E-06	8.93E-06	7.83E-06	2.53E-09	7.63E-09	4.42E-09	5.41E-09	4.91E-09	2.24E-09	1.96E-09	8.44E-11	2.04E-09	4.50E-10	7.35E-10	1.17E-09	2.05E-10	1.29E-10	4.81E-09
3420	486363.09	3848877.25	6.53E-06	8.00E-06	7.02E-06	2.26E-09	6.84E-09	3.96E-09	4.85E-09	4.40E-09	2.01E-09	1.76E-09	7.56E-11	1.83E-09	4.03E-10	6.58E-10	1.04E-09	1.84E-10	1.16E-10	4.31E-09
3421	486863.09	3848877.25	5.80E-06	7.11E-06	6.23E-06	2.01E-09	6.07E-09	3.51E-09	4.30E-09	3.90E-09	1.78E-09	1.56E-09	6.71E-11	1.62E-09	3.58E-10	5.84E-10	9.27E-10	1.63E-10	1.03E-10	3.82E-09
3422	487363.09	3848877.25	5.76E-06	7.06E-06	6.19E-06	2.00E-09	6.03E-09	3.49E-09	4.27E-09	3.87E-09	1.77E-09	1.55E-09	6.67E-11	1.61E-09	3.55E-10	5.80E-10	9.20E-10	1.62E-10	1.02E-10	3.80E-09
3423	487863.09	3848877.25	5.48E-06	6.71E-06	5.89E-06	1.90E-09	5.73E-09	3.32E-09	4.07E-09	3.69E-09	1.68E-09	1.47E-09	6.34E-11	1.53E-09	3.38E-10	5.52E-10	8.76E-10	1.54E-10	9.73E-11	3.61E-09
3424	488363.09	3848877.25	5.46E-06	6.69E-06	5.87E-06	1.89E-09	5.71E-09	3.31E-09	4.05E-09	3.67E-09	1.68E-09	1.47E-09	6.32E-11	1.53E-09	3.37E-10	5.50E-10	8.73E-10	1.54E-10	9.70E-11	3.60E-09
3425	488863.09	3848877.25	5.49E-06	6.72E-06	5.89E-06	1.90E-09	5.74E-09	3.32E-09	4.07E-09	3.69E-09	1.68E-09	1.48E-09	6.35E-11	1.53E-09	3.38E-10	5.53E-10	8.77E-10	1.55E-10	9.74E-11	3.62E-09
3426	489363.09	3848877.25	5.77E-06	7.07E-06	6.20E-06	2.00E-09	6.04E-09	3.50E-09	4.28E-09	3.88E-09	1.77E-09	1.55E-09	6.68E-11	1.61E-09	3.56E-10	5.82E-10	9.23E-10	1.63E-10	1.02E-10	3.81E-09
3427	489863.09	3848877.25	6.07E-06	7.44E-06	6.52E-06	2.10E-09	6.35E-09	3.68E-09	4.50E-09	4.08E-09	1.86E-09	1.63E-09	7.02E-11	1.70E-09	3.74E-10	6.12E-10	9.70E-10	1.71E-10	1.08E-10	4.00E-09
3428	490363.09	3848877.25	5.90E-06	7.23E-06	6.33E-06	2.04E-09	6.17E-09	3.57E-09	4.38E-09	3.97E-09	1.81E-09	1.59E-09	6.83E-11	1.65E-09	3.64E-10	5.94E-10	9.43E-10	1.66E-10	1.05E-10	3.89E-09
3429	490863.09	3848877.25	5.81E-06	7.11E-06	6.24E-06	2.01E-09	6.08E-09	3.52E-09	4.31E-09	3.91E-09	1.78E-09	1.56E-09	6.72E-11	1.62E-09	3.58E-10	5.85E-10	9.28E-10	1.64E-10	1.03E-10	3.83E-09
3430	491363.09	3848877.25	5.89E-06	7.21E-06	6.32E-06	2.04E-09	6.16E-09	3.57E-09	4.37E-09	3.96E-09	1.81E-09	1.58E-09	6.81E-11	1.65E-09	3.63E-10	5.93E-10	9.41E-10	1.66E-10	1.04E-10	3.88E-09
3431	491863.09	3848877.25	5.73E-06	7.02E-06	6.15E-06	1.98E-09	5.99E-09	3.47E-09	4.25E-09	3.85E-09	1.76E-09	1.54E-09	6.63E-11	1.60E-09	3.53E-10	5.77E-10	9.15E-10	1.61E-10	1.02E-10	3.78E-09
3432	492363.09	3848877.25	5.59E-06	6.85E-06	6.00E-06	1.94E-09	5.85E-09	3.39E-09	4.15E-09	3.76E-09	1.72E-09	1.50E-09	6.47E-11	1.56E-09	3.45E-10	5.63E-10	8.93E-10	1.57E-10	9.92E-11	3.68E-09
3433	492863.09	3848877.25	5.42E-06	6.64E-06	5.82E-06	1.88E-09	5.67E-09	3.29E-09	4.02E-09	3.65E-09	1.66E-09	1.46E-09	6.28E-11	1.52E-09	3.35E-10	5.46E-10	8.67E-10	1.53E-10	9.62E-11	3.58E-09
3434	493363.09	3848877.25	5.30E-06	6.49E-06	5.69E-06	1.84E-09	5.54E-09	3.21E-09	3.93E-09	3.56E-09	1.63E-09	1.43E-09	6.13E-11	1.48E-09	3.27E-10	5.34E-10	8.47E-10	1.49E-10	9.40E-11	3.49E-09
3435	493863.09	3848877.25	5.72E-06	7.01E-06	6.14E-06	1.98E-09	5.99E-09	3.47E-09	4.25E-09	3.85E-09	1.76E-09	1.54E-09	6.62E-11	1.60E-09	3.53E-10	5.76E-10	9.14E-10	1.61E-10	1.01E-10	3.77E-09
3436	494363.09	3848877.25	6.02E-06	7.37E-06	6.46E-06	2.09E-09	6.30E-09	3.64E-09	4.46E-09	4.05E-09	1.85E-09	1.62E-09	6.96E-11	1.68E-09	3.71E-10	6.06E-10	9.62E-10	1.69E-10	1.07E-10	3.97E-09
3437	494863.09	3848877.25	6.55E-06	8.02E-06	7.03E-06	2.27E-09	6.85E-09	3.97E-09	4.86E-09	4.40E-09	2.01E-09	1.76E-09	7.58E-11	1.83E-09	4.04E-10	6.60E-10	1.05E-09	1.84E-10	1.16E-10	4.32E-09
3438	495363.09	3848877.25	7.02E-06	8.60E-06	7.54E-06	2.43E-09	7.35E-09	4.25E-09	5.21E-09	4.72E-09	2.15E-09	1.89E-09	8.12E-11	1.96E-09	4.33E-10	7.07E-10	1.12E-09	1.98E-10	1.25E-10	4.63E-09
3439	495863.09	3848877.25	6.86E-06	8.40E-06	7.37E-06	2.38E-09	7.18E-09	4.16E-09	5.09E-09	4.62E-09	2.11E-09	1.85E-09	7.94E-11	1.92E-09	4.23E-10	6.91E-10	1.10E-09	1.93E-10	1.22E-10	4.52E-09
3440	496363.09	3848877.25	7.29E-06	8.93E-06	7.83E-06	2.53E-09	7.63E-09	4.42E-09	5.41E-09	4.91E-09	2.24E-09	1.96E-09	8.44E-11	2.04E-09	4.50E-10	7.35E-10	1.17E-09	2.05E-10	1.29E-10	4.81E-09
3441	496863.09	3848877.25	8.40E-06	1.03E-05	9.01E-06	2.91E-09	8.78E-09	5.09E-09	6.23E-09	5.65E-09	2.58E-09	2.26E-09	9.72E-11	2.35E-09	5.18E-10	8.46E-10	1.34E-09	2.36E-10	1.49E-10	5.53E-09
3442	497363.09	3848877.25	1.08E-05	1.33E-05	1.16E-05	3.76E-09	1.13E-08	6.57E-09	8.04E-09	7.29E-09	3.33E-09	2.92E-09	1.25E-10	3.03E-09	6.69E-10	1.09E-09	1.73E-09	3.05E-10	1.92E-10	7.15E-09
3443	497863.09	3848877.25	1.23E-05	1.51E-05	1.32E-05	4.27E-09	1.29E-08	7.47E-09	9.15E-09	8.30E-09	3.79E-09	3.32E-09	1.43E-10	3.45E-09	7.61E-10	1.24E-09	1.97E-09	3.47E-10	2.19E-10	8.13E-09
3444	498363.09	3848877.25	1.36E-05	1.67E-05	1.46E-05	4.72E-09	1.43E-08	8.26E-09	1.01E-08	9.17E-09	4.18E-09	3.67E-09	1.58E-10	3.81E-09	8.41E-10	1.37E-09	2.18E-09	3.84E-10	2.42E-10	8.99E-09
3445	471363.09	3849377.25	1.29E-05	1.59E-05	1.39E-05	4.49E-09	1.36E-08	7.84E-09	9.61E-09	8.71E-09	3.97E-09	3.49E-09	1.50E-10	3.62E-09	7.99E-10	1.30E-09	2.07E-09	3.65E-10	2.30E-10	8.54E-09
3446	471863.09	3849377.25	1.42E-05	1.74E-05	1.52E-05	4.92E-09	1.49E-08	8.60E-09	1.05E-08	9.55E-09	4.36E-09	3.82E-09	1.64E-10	3.97E-09	8.76E-10	1.43E-09	2.27E-09	4.00E-10	2.52E-10	9.36E-09
3447	472363.09	3849377.25	1.53E-05	1.87E-05	1.64E-05	5.30E-09	1.60E-08	9.26E-09	1.13E-08	1.03E-08	4.69E-09	4.11E-09	1.77E-10	4.27E-09	9.43E-10	1.54E-09	2.44E-09	4.30E-10	2.71E-10	1.01E-08
3448	472863.09	3849377.25	1.64E-05	2.01E-05	1.76E-05	5.69E-09	1.72E-08	9.94E-09	1.22E-08	1.10E-08	5.04E-09	4.42E-09	1.90E-10	4.59E-09	1.01E-09	1.65E-09	2.62E-09	4.62E-10	2.91E-10	1.08E-08
3449	473363.09	3849377.25	1.75E-05	2.14E-05	1.88E-05	6.06E-09	1.83E-08	1.06E-08	1.30E-08	1.18E-08	5.37E-09	4.71E-09	2.02E-10	4.89E-09	1.08E-09	1.76E-09	2.80E-09	4.93E-10	3.11E-10	1.15E-08
3450	473863.09	3849377.25	1.85E-05	2.27E-05	1.99E-05	6.41E-09	1.94E-08	1.12E-08	1.37E-08	1.24E-08	5.68E-09	4.98E-09	2.14E-10	5.17E-09	1.14E-09	1.86E-09	2.96E-09	5.21E-10	3.28E-10	1.22E-08
3451	474363.09	3849377.25	1.93E-05	2.36E-05	2.07E-05	6.68E-09	2.02E-08	1.17E-08	1.43E-08	1.30E-08	5.92E-09	5.19E-09	2.23E-10	5.39E-09	1.19E-09	1.94E-09	3.08E-09	5.43E-10	3.42E-10	1.27E-08
3452	474863.09	3849377.25	2.00E-05	2.45E-05	2.15E-05	6.92E-09	2.09E-08	1.21E-08	1.48E-08	1.34E-08	6.13E-09	5.38E-09	2.31E-10	5.58E-09	1.23E-09	2.01E-09	3.19E-09	5.63E-10	3.55E-10	1.32E-08
3453	475363.09	3849377.25	2.02E-05	2.48E-05	2.17E-05	7.01E-09	2.12E-08	1.23E-08	1.50E-08	1.36E-08	6.21E-09	5.45E-09	2.34E-10	5.65E-09	1.25E-09	2.04E-09	3.23E-09	5.70E-10	3.59E-10	1.33E-08
3454	475863.09	3849377.25	2.07E-05	2.53E-05	2.22E-05	7.17E-09	2.16E-08	1.25E-08	1.53E-08	1.39E-08	6.35E-09	5.57E-09	2.39E-10	5.78E-09	1.28E-09	2.08E-09	3.30E-09	5.82E-10	3.67E-10	1.36E-08
3455	476363.09	3849377.25	2.08E-05	2.55E-05	2.24E-05	7.22E-09	2.18E-08	1.26E-08	1.55E-08	1.40E-08	6.39E-09	5.61E-09	2.41E-10	5.82E-09	1.28E-09	2.10E-09	3.33E-09	5.87E-10	3.70E-10	1.37E-08
3456	476863.09	3849377.25	2.00E-05	2.45E-05	2.15E-05	6.94E-09	2.10E-08	1.21E-08	1.49E-08	1.35E-08	6.15E-09	5.39E-09	2.32E-10	5.60E-09	1.24E-09	2.02E-09	3.20E-09	5.64E-10	3.56E-10	1.32E-08
3457	477363.09	3849377.25	1.88E-05	2.30E-05	2.02E-05	6.52E-09	1.97E-08	1.14E-08	1.40E-08	1.27E-08	5.77E-09	5.07E-09	2.18E-10	5.26E-09	1.16E-09	1.90E-09	3.01E-09	5.30E-10	3.34E-10	1.24E-08
3458	477863.09	3849377.25	1.94E-05	2.37E-05	2.08E-05	6.72E-09	2.03E-08	1.17E-08	1.44E-08	1.30E-08	5.95E-09	5.22E-09	2.24E-10	5.42E-09	1.20E-09	1.95E-09	3.10E-09	5.46E-10	3.44E-10	1.28E-08
3459	478363.09	3849377.25	2.37E-05	2.90E-05	2.55E-05	8.22E-09	2.48E-08	1.44E-08	1.76E-08	1.59E-08	7.28E-09	6.38E-09	2.74E-10	6.63E-09	1.46E-09	2.39E-09	3.79E-09	6.68E-10	4.21E-10	1.56E-08
3460	478863.09	3849377.25	2.75E-05	3.36E-05	2.95E-05	9.52E-09	2.87E-08	1.66E-08	2.04E-08	1.85E-08	8.43E-09	7.39E-09	3.18E-10	7.68E-09	1.69E-09	2.77E-09	4.39E-09	7.74E-10	4.87E-10	1.81E-08
3461	479363.09	3849377.25	2.74E-05	3.35E-05	2.94E-05	9.49E-09	2.87E-08	1.66E-08	2.03E-08	1.84E-08	8.40E-09	7.37E-09	3.17E-10	7.66E-09	1.69E-09	2.76E-09	4.38E-09	7.71E-10	4.86E-10	1.81E-08
3462	479863.09	3849377.25	2.13E-05	2.61E-05	2.29E-05	7.40E-09	2.23E-08	1.29E-08	1.58E-08	1.44E-08	6.55E-09	5.75E-09	2.47E-10	5.97E-09	1.32E-09	2.15E-09	3.41E-09	6.01E-10	3.79E-10	1.41E-08
3463	480363.09	3849377.25	2.11E-05	2.58E-05	2.26E-05	7.30E-09	2.20E-08	1.28E-08	1.56E-08	1.42E-08	6.46E-09	5.66E-09	2.44E-10	5.88E-09	1.30E-09	2.12E-09	3.36E-09	5.93E-10	3.74E-10	1.39E-08
3464	480863.09	3849377.25	1.84E-05	2.26E-05	1.98E-05	6.39E-09	1.93E-08	1.12E-08	1.37E-08	1.24E-08	5.66E-09	4.96E-09	2.13E-10	5.15E-09	1.14E-09	1.86E-09	2.95E-09	5.19E-10	3.27E-10	1.22E-08
3465	481363.09	3849377.25	1.52E-05	1.87E-05	1.64E-05	5.28E-09	1.59E-08	9.23E-09	1.13E-08	1.02E-08	4.68E-09	4.10E-09	1.76E-10	4.26E-09	9.40E-10	1.54E-09	2.44E-09	4.29E-10	2.70E-10	1.00E-08
3466	481863.09	3849377.25	1.02E-05	1.25E-05	1.10E-05	3.54E-09	1.07E-08	6.19E-09	7.58E-09	6.87E-09	3.13E-09	2.75E-09	1.18E-10	2.85E-09	6.30E-10	1.03E-09	1.63E-09	2.88E-10	1.81E-10	6.73E-09
3467	482363.09	3849377.25	8.78E-06	1.08E-05	9.43E-06	3.04E-09	9.18E-09	5.32E-09	6.51E-09	5.90E-09	2.69E-09	2.36E-09	1.02E-10	2.45E-09	5.41E-10	8.84E-10	1.40E-09	2.47E-10	1.56E-10	5.79E-09
3468	482863.09	3849377.25	7.12E-06	8.73E-06	7.65E-06	2.47E-09	7.45E-09	4.32E-09	5.29E-09	4.79E-09	2.19E-09	1.92E-09	8.24E-11	1.99E-09	4.39E-10	7.18E-10	1.14E-09	2.01E-10	1.26E-10	4.70E-09
3469	483363.09	3849377.25	6.46E-06	7.91E-06	6.94E-06	2.24E-09	6.76E-09	3.91E-09	4.79E-09	4.35E-09	1.98E-09	1.74E-09	7.48E-11	1.81E-09	3.99E-10	6.51E-10	1.03E-09	1.82E-10	1.15E-10	4.26E-09
3470	483863.09	3849377.25	5.54E-06	6.78E-06	5.95E-06	1.92E-09	5.80E-09	3.36E-09	4.11E-09	3.73E-09	1.70E-09	1.49E-09	6.41E-11	1.55E-09	3.42E-10	5.58E-10	8.85E-10	1.56E-10	9.84E-11	3.65E-09

3471	484363.09	3849377.25	7.99E-06	9.78E-06	8.58E-06	2.77E-09	8.36E-09	4.84E-09	5.93E-09	5.37E-09	2.45E-09	2.15E-09	9.24E-11	2.23E-09	4.93E-10	8.05E-10	1.28E-09	2.25E-10	1.42E-10	5.27E-09
3472	484863.09	3849377.25	9.81E-06	1.20E-05	1.05E-05	3.40E-09	1.03E-08	5.95E-09	7.28E-09	6.60E-09	3.01E-09	2.64E-09	1.14E-10	2.74E-09	6.05E-10	9.89E-10	1.57E-09	2.76E-10	1.74E-10	6.47E-09
3473	485363.09	3849377.25	9.32E-06	1.14E-05	1.00E-05	3.23E-09	9.75E-09	5.64E-09	6.91E-09	6.27E-09	2.86E-09	2.51E-09	1.08E-10	2.60E-09	5.75E-10	9.39E-10	1.49E-09	2.62E-10	1.66E-10	6.14E-09
3474	485863.09	3849377.25	6.98E-06	8.55E-06	7.49E-06	2.42E-09	7.30E-09	4.23E-09	5.18E-09	4.69E-09	2.14E-09	1.88E-09	8.07E-11	1.95E-09	4.30E-10	7.03E-10	1.11E-09	1.96E-10	1.24E-10	4.60E-09
3475	486363.09	3849377.25	5.73E-06	7.02E-06	6.16E-06	1.99E-09	6.00E-09	3.47E-09	4.25E-09	3.85E-09	1.76E-09	1.54E-09	6.63E-11	1.60E-09	3.54E-10	5.77E-10	9.16E-10	1.61E-10	1.02E-10	3.78E-09
3476	486863.09	3849377.25	6.70E-06	8.20E-06	7.20E-06	2.32E-09	7.01E-09	4.06E-09	4.97E-09	4.50E-09	2.05E-09	1.80E-09	7.75E-11	1.87E-09	4.13E-10	6.74E-10	1.07E-09	1.89E-10	1.19E-10	4.41E-09
3477	487363.09	3849377.25	6.89E-06	8.44E-06	7.40E-06	2.39E-09	7.21E-09	4.17E-09	5.11E-09	4.63E-09	2.11E-09	1.85E-09	7.97E-11	1.93E-09	4.25E-10	6.94E-10	1.10E-09	1.94E-10	1.22E-10	4.54E-09
3478	487863.09	3849377.25	6.65E-06	8.14E-06	7.14E-06	2.30E-09	6.96E-09	4.03E-09	4.93E-09	4.47E-09	2.04E-09	1.79E-09	7.69E-11	1.86E-09	4.10E-10	6.70E-10	1.06E-09	1.87E-10	1.18E-10	4.38E-09
3479	488363.09	3849377.25	6.69E-06	8.19E-06	7.18E-06	2.32E-09	7.00E-09	4.05E-09	4.96E-09	4.50E-09	2.05E-09	1.80E-09	7.74E-11	1.87E-09	4.13E-10	6.74E-10	1.07E-09	1.88E-10	1.19E-10	4.41E-09
3480	488863.09	3849377.25	6.96E-06	8.52E-06	7.47E-06	2.41E-09	7.28E-09	4.22E-09	5.16E-09	4.68E-09	2.14E-09	1.87E-09	8.05E-11	1.95E-09	4.29E-10	7.01E-10	1.11E-09	1.96E-10	1.23E-10	4.59E-09
3481	489363.09	3849377.25	7.21E-06	8.84E-06	7.74E-06	2.50E-09	7.55E-09	4.37E-09	5.35E-09	4.85E-09	2.21E-09	1.94E-09	8.35E-11	2.02E-09	4.45E-10	7.27E-10	1.15E-09	2.03E-10	1.28E-10	4.76E-09
3482	489863.09	3849377.25	7.28E-06	8.91E-06	7.82E-06	2.52E-09	7.62E-09	4.41E-09	5.40E-09	4.90E-09	2.23E-09	1.96E-09	8.42E-11	2.03E-09	4.49E-10	7.33E-10	1.16E-09	2.05E-10	1.29E-10	4.80E-09
3483	490363.09	3849377.25	7.05E-06	8.64E-06	7.57E-06	2.44E-09	7.38E-09	4.27E-09	5.23E-09	4.74E-09	2.16E-09	1.90E-09	8.16E-11	1.97E-09	4.35E-10	7.10E-10	1.13E-09	1.99E-10	1.25E-10	4.65E-09
3484	490863.09	3849377.25	7.04E-06	8.62E-06	7.56E-06	2.44E-09	7.37E-09	4.26E-09	5.22E-09	4.73E-09	2.16E-09	1.89E-09	8.15E-11	1.97E-09	4.34E-10	7.09E-10	1.13E-09	1.98E-10	1.25E-10	4.64E-09
3485	491363.09	3849377.25	7.10E-06	8.70E-06	7.63E-06	2.46E-09	7.43E-09	4.30E-09	5.27E-09	4.78E-09	2.18E-09	1.91E-09	8.22E-11	1.99E-09	4.38E-10	7.15E-10	1.14E-09	2.00E-10	1.26E-10	4.68E-09
3486	491863.09	3849377.25	6.94E-06	8.51E-06	7.46E-06	2.41E-09	7.27E-09	4.21E-09	5.15E-09	4.67E-09	2.13E-09	1.87E-09	8.04E-11	1.94E-09	4.28E-10	7.00E-10	1.11E-09	1.96E-10	1.23E-10	4.58E-09
3487	492363.09	3849377.25	6.86E-06	8.41E-06	7.37E-06	2.38E-09	7.18E-09	4.16E-09	5.09E-09	4.62E-09	2.11E-09	1.85E-09	7.94E-11	1.92E-09	4.23E-10	6.91E-10	1.10E-09	1.93E-10	1.22E-10	4.52E-09
3488	492863.09	3849377.25	6.46E-06	7.91E-06	6.94E-06	2.24E-09	6.76E-09	3.91E-09	4.79E-09	4.35E-09	1.98E-09	1.74E-09	7.48E-11	1.81E-09	3.99E-10	6.51E-10	1.03E-09	1.82E-10	1.15E-10	4.26E-09
3489	493363.09	3849377.25	6.59E-06	8.07E-06	7.08E-06	2.28E-09	6.90E-09	3.99E-09	4.89E-09	4.43E-09	2.02E-09	1.77E-09	7.63E-11	1.84E-09	4.07E-10	6.64E-10	1.05E-09	1.86E-10	1.17E-10	4.35E-09
3490	493863.09	3849377.25	6.87E-06	8.42E-06	7.37E-06	2.38E-09	7.19E-09	4.16E-09	5.10E-09	4.62E-09	2.11E-09	1.85E-09	7.95E-11	1.92E-09	4.24E-10	6.92E-10	1.10E-09	1.94E-10	1.22E-10	4.53E-09
3491	494363.09	3849377.25	7.46E-06	9.14E-06	8.01E-06	2.59E-09	7.81E-09	4.52E-09	5.53E-09	5.02E-09	2.29E-09	2.01E-09	8.63E-11	2.09E-09	4.60E-10	7.51E-10	1.19E-09	2.10E-10	1.32E-10	4.92E-09
3492	494863.09	3849377.25	8.84E-06	1.08E-05	9.49E-06	3.06E-09	9.25E-09	5.35E-09	6.56E-09	5.94E-09	2.71E-09	2.38E-09	1.02E-10	2.47E-09	5.45E-10	8.90E-10	1.41E-09	2.49E-10	1.57E-10	5.83E-09
3493	495363.09	3849377.25	9.62E-06	1.18E-05	1.03E-05	3.34E-09	1.01E-08	5.83E-09	7.14E-09	6.47E-09	2.95E-09	2.59E-09	1.11E-10	2.69E-09	5.94E-10	9.70E-10	1.54E-09	2.71E-10	1.71E-10	6.35E-09
3494	495863.09	3849377.25	8.20E-06	1.00E-05	8.81E-06	2.84E-09	8.58E-09	4.97E-09	6.09E-09	5.52E-09	2.52E-09	2.21E-09	9.49E-11	2.29E-09	5.06E-10	8.26E-10	1.31E-09	2.31E-10	1.46E-10	5.41E-09
3495	496363.09	3849377.25	8.34E-06	1.02E-05	8.96E-06	2.89E-09	8.73E-09	5.05E-09	6.19E-09	5.61E-09	2.56E-09	2.24E-09	9.65E-11	2.33E-09	5.15E-10	8.40E-10	1.33E-09	2.35E-10	1.48E-10	5.50E-09
3496	496863.09	3849377.25	1.12E-05	1.38E-05	1.21E-05	3.89E-09	1.18E-08	6.81E-09	8.34E-09	7.56E-09	3.45E-09	3.02E-09	1.30E-10	3.14E-09	6.93E-10	1.13E-09	1.80E-09	3.17E-10	1.99E-10	7.41E-09
3497	497363.09	3849377.25	1.26E-05	1.54E-05	1.35E-05	4.36E-09	1.32E-08	7.63E-09	9.34E-09	8.47E-09	3.86E-09	3.39E-09	1.46E-10	3.52E-09	7.77E-10	1.27E-09	2.01E-09	3.55E-10	2.23E-10	8.30E-09
3498	497863.09	3849377.25	1.67E-05	2.04E-05	1.79E-05	5.78E-09	1.74E-08	1.01E-08	1.24E-08	1.12E-08	5.12E-09	4.48E-09	1.93E-10	4.66E-09	1.03E-09	1.68E-09	2.66E-09	4.69E-10	2.96E-10	1.10E-08
3499	498363.09	3849377.25	1.65E-05	2.02E-05	1.77E-05	5.72E-09	1.73E-08	1.00E-08	1.23E-08	1.11E-08	5.07E-09	4.44E-09	1.91E-10	4.62E-09	1.02E-09	1.66E-09	2.64E-09	4.65E-10	2.93E-10	1.09E-08
3500	471363.09	3849877.25	1.20E-05	1.47E-05	1.29E-05	4.15E-09	1.25E-08	7.25E-09	8.88E-09	8.05E-09	3.67E-09	3.22E-09	1.39E-10	3.35E-09	7.38E-10	1.21E-09	1.91E-09	3.37E-10	2.13E-10	7.89E-09
3501	471863.09	3849877.25	1.35E-05	1.65E-05	1.45E-05	4.68E-09	1.41E-08	8.18E-09	1.00E-08	9.08E-09	4.14E-09	3.63E-09	1.56E-10	3.77E-09	8.33E-10	1.36E-09	2.16E-09	3.80E-10	2.40E-10	8.90E-09
3502	472363.09	3849877.25	1.50E-05	1.84E-05	1.61E-05	5.19E-09	1.57E-08	9.08E-09	1.11E-08	1.01E-08	4.60E-09	4.03E-09	1.73E-10	4.19E-09	9.24E-10	1.51E-09	2.40E-09	4.22E-10	2.66E-10	9.88E-09
3503	472863.09	3849877.25	1.63E-05	2.00E-05	1.75E-05	5.66E-09	1.71E-08	9.89E-09	1.21E-08	1.10E-08	5.01E-09	4.39E-09	1.89E-10	4.56E-09	1.01E-09	1.64E-09	2.61E-09	4.60E-10	2.90E-10	1.08E-08
3504	473363.09	3849877.25	1.74E-05	2.14E-05	1.87E-05	6.04E-09	1.82E-08	1.06E-08	1.29E-08	1.17E-08	5.35E-09	4.69E-09	2.02E-10	4.87E-09	1.08E-09	1.76E-09	2.79E-09	4.91E-10	3.10E-10	1.15E-08
3505	473863.09	3849877.25	1.88E-05	2.30E-05	2.02E-05	6.51E-09	1.97E-08	1.14E-08	1.39E-08	1.26E-08	5.77E-09	5.06E-09	2.17E-10	5.25E-09	1.16E-09	1.89E-09	3.00E-09	5.29E-10	3.34E-10	1.24E-08
3506	474363.09	3849877.25	2.01E-05	2.47E-05	2.16E-05	6.98E-09	2.11E-08	1.22E-08	1.49E-08	1.35E-08	6.18E-09	5.42E-09	2.33E-10	5.63E-09	1.24E-09	2.03E-09	3.22E-09	5.67E-10	3.58E-10	1.33E-08
3507	474863.09	3849877.25	2.13E-05	2.61E-05	2.29E-05	7.39E-09	2.23E-08	1.29E-08	1.58E-08	1.43E-08	6.54E-09	5.74E-09	2.47E-10	5.96E-09	1.32E-09	2.15E-09	3.41E-09	6.01E-10	3.79E-10	1.41E-08
3508	475363.09	3849877.25	2.22E-05	2.72E-05	2.38E-05	7.68E-09	2.32E-08	1.34E-08	1.64E-08	1.49E-08	6.80E-09	5.97E-09	2.57E-10	6.20E-09	1.37E-09	2.23E-09	3.54E-09	6.24E-10	3.94E-10	1.46E-08
3509	475863.09	3849877.25	2.29E-05	2.81E-05	2.46E-05	7.95E-09	2.40E-08	1.39E-08	1.70E-08	1.54E-08	7.04E-09	6.17E-09	2.65E-10	6.41E-09	1.41E-09	2.31E-09	3.67E-09	6.46E-10	4.07E-10	1.51E-08
3510	476363.09	3849877.25	2.35E-05	2.88E-05	2.53E-05	8.15E-09	2.46E-08	1.42E-08	1.74E-08	1.58E-08	7.22E-09	6.33E-09	2.72E-10	6.57E-09	1.45E-09	2.37E-09	3.76E-09	6.62E-10	4.17E-10	1.55E-08
3511	476863.09	3849877.25	2.41E-05	2.96E-05	2.59E-05	8.36E-09	2.53E-08	1.46E-08	1.79E-08	1.62E-08	7.41E-09	6.50E-09	2.79E-10	6.75E-09	1.49E-09	2.43E-09	3.86E-09	6.80E-10	4.29E-10	1.59E-08
3512	477363.09	3849877.25	2.43E-05	2.98E-05	2.61E-05	8.43E-09	2.55E-08	1.47E-08	1.81E-08	1.64E-08	7.47E-09	6.55E-09	2.82E-10	6.80E-09	1.50E-09	2.45E-09	3.89E-09	6.85E-10	4.32E-10	1.60E-08
3513	477863.09	3849877.25	2.32E-05	2.85E-05	2.50E-05	8.05E-09	2.43E-08	1.41E-08	1.72E-08	1.56E-08	7.13E-09	6.26E-09	2.69E-10	6.49E-09	1.43E-09	2.34E-09	3.71E-09	6.54E-10	4.13E-10	1.53E-08
3514	478363.09	3849877.25	2.32E-05	2.84E-05	2.49E-05	8.03E-09	2.42E-08	1.40E-08	1.72E-08	1.56E-08	7.11E-09	6.24E-09	2.68E-10	6.47E-09	1.43E-09	2.33E-09	3.70E-09	6.52E-10	4.11E-10	1.53E-08
3515	478863.09	3849877.25	2.80E-05	3.43E-05	3.01E-05	9.72E-09	2.93E-08	1.70E-08	2.08E-08	1.89E-08	8.61E-09	7.55E-09	3.24E-10	7.84E-09	1.73E-09	2.82E-09	4.48E-09	7.90E-10	4.98E-10	1.85E-08
3516	479363.09	3849877.25	3.24E-05	3.96E-05	3.48E-05	1.12E-08	3.39E-08	1.96E-08	2.40E-08	2.18E-08	9.93E-09	8.71E-09	3.75E-10	9.05E-09	2.00E-09	3.26E-09	5.17E-09	9.12E-10	5.74E-10	2.13E-08
3517	479863.09	3849877.25	3.36E-05	4.12E-05	3.61E-05	1.16E-08	3.52E-08	2.04E-08	2.49E-08	2.26E-08	1.03E-08	9.05E-09	3.89E-10	9.40E-09	2.07E-09	3.39E-09	5.37E-09	9.47E-10	5.97E-10	2.22E-08
3518	480363.09	3849877.25	2.76E-05	3.39E-05	2.97E-05	9.58E-09	2.89E-08	1.67E-08	2.05E-08	1.86E-08	8.49E-09	7.44E-09	3.20E-10	7.73E-09	1.71E-09	2.79E-09	4.42E-09	7.79E-10	4.91E-10	1.82E-08
3519	480863.09	3849877.25	2.18E-05	2.67E-05	2.34E-05	7.56E-09	2.28E-08	1.32E-08	1.62E-08	1.47E-08	6.70E-09	5.87E-09	2.53E-10	6.10E-09	1.35E-09	2.20E-09	3.49E-09	6.15E-10	3.87E-10	1.44E-08
3520	481363.09	3849877.25	1.85E-05	2.27E-05	1.99E-05	6.41E-09	1.94E-08	1.12E-08	1.37E-08	1.25E-08	5.68E-09	4.98E-09	2.14E-10	5.17E-09	1.14E-09	1.86E-09	2.96E-09	5.21E-10	3.29E-10	1.22E-08
3521	481863.09	3849877.25	1.15E-05	1.41E-05	1.24E-05	3.99E-09	1.21E-08	6.98E-09	8.55E-09	7.75E-09	3.54E-09	3.10E-09	1.33E-10	3.22E-09	7.11E-10	1.16E-09	1.84E-09	3.25E-10	2.05E-10	7.60E-09
3522	482363.09	3849877.25	8.94E-06	1.10E-05	9.61E-06	3.10E-09	9.36E-09	5.42E-09	6.64E-09	6.01E-09	2.74E-09	2.41E-09	1.03E-10	2.50E-09	5.52E-10	9.01E-10	1.43E-09	2.52E-10	1.59E-10	5.90E-09
3523	482863.09	3849877.25	7.67E-06	9.40E-06	8.24E-06	2.66E-09	8.03E-09	4.65E-09	5.69E-09	5.16E-09	2.36E-09	2.07E-09	8.88E-11	2.15E-09	4.73E-10	7.73E-10	1.23E-09	2.16E-10	1.36E-10	5.06E-09
3524	483363.09	3849877.25	6.70E-06	8.20E-06	7.19E-06	2.32E-09	7.01E-09	4.06E-09	4.97E-09	4.50E-09	2.06E-09	1.80E-09	7.75E-11	1.87E-09	4.13E-10	6.75E-10	1.07E-09	1.89E-10	1.19E-10	4.42E-09
3525	483863.09	3849877.25	6.60E-06	8.08E-06	7.09E-06	2.29E-09	6.91E-09	4.00E-09	4.90E-09	4.44E-09	2.03E-09	1.78E-09	7.64E-11	1.85E-09	4.07E-10	6.65E-10	1.05E-09	1.86E-10	1.17E-10	4.35E-09
3526	484363.09	3849877.25	9.00E-06	1.10E-05	9.67E-06	3.12E-09	9.42E-09	5.45E-09	6.68E-09	6.06E-09	2.76E-09	2.42E-09	1.04E-10	2.52E-09	5.55E-10	9.07E-10	1.44E-09	2.54E-10	1.60E-10	5.94E-09
3527	484863.09	3849877.25	1.23E-05	1.51E-05	1.32E-05	4.26E-09	1.29E-08	7.45E-09	9.12E-09	8.27E-09	3.77E-09	3.31E-09	1.42E-10	3.44E-09	7.58E-10	1.24E-09	1.97E-09	3.46E-10	2.18E-10	8.11E-09
3528	485363.09	3849877.25	1.09E-05	1.33E-05	1.17E-05	3.76E-09	1.14E-08	6.57E-09	8.05E-09	7.30E-09	3.33E-09	2.92E-09	1.26E-10	3.03E-09	6.69E-10	1.09E-09	1.73E-09	3.06E-10	1.93E-10	7.15E-09
3529	485863.09	3849877.25	8.94E-06	1.10E-05	9.60E-06	3.10E-09	9.36E-09	5.42E-09	6.64E-09	6.01E-09	2.74E-09	2.41E-09	1.03E-10	2.50E-09	5.52E-10	9.01E-10	1.43E-09	2.52E-10	1.59E-10	5.90E-09
3530	486363.09	3849877.25	8.02E-06	9.82E-06	8.62E-06	2.78E-09	8.39E-09	4.86E-09	5.95E-09	5.39E-09	2.46E-09	2.16E-09	9.28E-11	2.24E-09	4.95E-10	8.08E-10	1.28E-09	2.26E-10	1.42E-10	5.29E-09
3531	486863.09	3849877.25	8.74E-06	1.07E-05	9.39E-06	3.03E-09	9.14E-09	5.29E-09	6.48E-09	5.88E-09	2.68E-09	2.35E-09	1.01E-10	2.44E-09	5.39E-10	8.80E-10	1.40E-09	2.46E-10	1.55E-10	5.76E-09

3532	487363.09	3849877.25	8.59E-06	1.05E-05	9.22E-06	2.98E-09	8.98E-09	5.20E-09	6.37E-09	5.78E-09	2.64E-09	2.31E-09	9.94E-11	2.40E-09	5.30E-10	8.65E-10	1.37E-09	2.42E-10	1.52E-10	5.66E-09
3533	487863.09	3849877.25	8.37E-06	1.03E-05	8.99E-06	2.90E-09	8.76E-09	5.07E-09	6.21E-09	5.63E-09	2.57E-09	2.25E-09	9.69E-11	2.34E-09	5.16E-10	8.43E-10	1.34E-09	2.36E-10	1.49E-10	5.52E-09
3534	488363.09	3849877.25	8.59E-06	1.05E-05	9.22E-06	2.98E-09	8.98E-09	5.20E-09	6.37E-09	5.78E-09	2.64E-09	2.31E-09	9.94E-11	2.40E-09	5.30E-10	8.65E-10	1.37E-09	2.42E-10	1.52E-10	5.66E-09
3535	488863.09	3849877.25	8.93E-06	1.09E-05	9.59E-06	3.09E-09	9.34E-09	5.41E-09	6.63E-09	6.01E-09	2.74E-09	2.40E-09	1.03E-10	2.50E-09	5.51E-10	9.00E-10	1.43E-09	2.51E-10	1.58E-10	5.89E-09
3536	489363.09	3849877.25	9.05E-06	1.11E-05	9.72E-06	3.14E-09	9.47E-09	5.48E-09	6.72E-09	6.09E-09	2.78E-09	2.44E-09	1.05E-10	2.53E-09	5.58E-10	9.12E-10	1.45E-09	2.55E-10	1.61E-10	5.97E-09
3537	489863.09	3849877.25	8.98E-06	1.10E-05	9.65E-06	3.11E-09	9.40E-09	5.44E-09	6.67E-09	6.04E-09	2.76E-09	2.42E-09	1.04E-10	2.51E-09	5.54E-10	9.05E-10	1.44E-09	2.53E-10	1.59E-10	5.92E-09
3538	490363.09	3849877.25	8.76E-06	1.07E-05	9.42E-06	3.04E-09	9.17E-09	5.31E-09	6.50E-09	5.90E-09	2.69E-09	2.36E-09	1.01E-10	2.45E-09	5.41E-10	8.83E-10	1.40E-09	2.47E-10	1.56E-10	5.78E-09
3539	490863.09	3849877.25	8.90E-06	1.09E-05	9.56E-06	3.09E-09	9.32E-09	5.39E-09	6.61E-09	5.99E-09	2.73E-09	2.40E-09	1.03E-10	2.49E-09	5.49E-10	8.97E-10	1.42E-09	2.51E-10	1.58E-10	5.87E-09
3540	491363.09	3849877.25	9.11E-06	1.12E-05	9.79E-06	3.16E-09	9.53E-09	5.52E-09	6.76E-09	6.13E-09	2.80E-09	2.45E-09	1.05E-10	2.55E-09	5.62E-10	9.18E-10	1.46E-09	2.57E-10	1.62E-10	6.01E-09
3541	491863.09	3849877.25	8.97E-06	1.10E-05	9.63E-06	3.11E-09	9.38E-09	5.43E-09	6.65E-09	6.03E-09	2.75E-09	2.41E-09	1.04E-10	2.51E-09	5.53E-10	9.04E-10	1.43E-09	2.53E-10	1.59E-10	5.91E-09
3542	492363.09	3849877.25	8.98E-06	1.10E-05	9.65E-06	3.11E-09	9.40E-09	5.44E-09	6.67E-09	6.04E-09	2.76E-09	2.42E-09	1.04E-10	2.51E-09	5.54E-10	9.05E-10	1.44E-09	2.53E-10	1.59E-10	5.92E-09
3543	492863.09	3849877.25	8.69E-06	1.06E-05	9.32E-06	3.01E-09	9.09E-09	5.26E-09	6.44E-09	5.84E-09	2.67E-09	2.34E-09	1.01E-10	2.43E-09	5.36E-10	8.75E-10	1.39E-09	2.45E-10	1.54E-10	5.73E-09
3544	493363.09	3849877.25	8.44E-06	1.03E-05	9.06E-06	2.92E-09	8.83E-09	5.11E-09	6.26E-09	5.68E-09	2.59E-09	2.27E-09	9.76E-11	2.36E-09	5.20E-10	8.50E-10	1.35E-09	2.38E-10	1.50E-10	5.56E-09
3545	493863.09	3849877.25	8.49E-06	1.04E-05	9.11E-06	2.94E-09	8.88E-09	5.14E-09	6.30E-09	5.71E-09	2.61E-09	2.28E-09	9.82E-11	2.37E-09	5.24E-10	8.55E-10	1.36E-09	2.39E-10	1.51E-10	5.60E-09
3546	494363.09	3849877.25	1.05E-05	1.29E-05	1.13E-05	3.64E-09	1.10E-08	6.37E-09	7.80E-09	7.07E-09	3.23E-09	2.83E-09	1.22E-10	2.94E-09	6.49E-10	1.06E-09	1.68E-09	2.96E-10	1.87E-10	6.93E-09
3547	494863.09	3849877.25	1.23E-05	1.50E-05	1.32E-05	4.25E-09	1.28E-08	7.43E-09	9.11E-09	8.25E-09	3.77E-09	3.30E-09	1.42E-10	3.43E-09	7.57E-10	1.24E-09	1.96E-09	3.46E-10	2.18E-10	8.09E-09
3548	495363.09	3849877.25	1.13E-05	1.38E-05	1.21E-05	3.92E-09	1.18E-08	6.85E-09	8.39E-09	7.60E-09	3.47E-09	3.04E-09	1.31E-10	3.16E-09	6.97E-10	1.14E-09	1.81E-09	3.18E-10	2.01E-10	7.45E-09
3549	495863.09	3849877.25	1.33E-05	1.63E-05	1.43E-05	4.62E-09	1.40E-08	8.08E-09	9.89E-09	8.97E-09	4.09E-09	3.59E-09	1.54E-10	3.73E-09	8.22E-10	1.34E-09	2.13E-09	3.76E-10	2.37E-10	8.79E-09
3550	496363.09	3849877.25	1.44E-05	1.76E-05	1.55E-05	4.99E-09	1.51E-08	8.73E-09	1.07E-08	9.69E-09	4.42E-09	3.88E-09	1.67E-10	4.03E-09	8.89E-10	1.45E-09	2.30E-09	4.06E-10	2.56E-10	9.50E-09
3551	496863.09	3849877.25	1.53E-05	1.88E-05	1.64E-05	5.31E-09	1.60E-08	9.27E-09	1.14E-08	1.03E-08	4.70E-09	4.12E-09	1.77E-10	4.28E-09	9.44E-10	1.54E-09	2.45E-09	4.31E-10	2.72E-10	1.01E-08
3552	497363.09	3849877.25	1.86E-05	2.28E-05	2.00E-05	6.46E-09	1.95E-08	1.13E-08	1.38E-08	1.25E-08	5.72E-09	5.01E-09	2.16E-10	5.21E-09	1.15E-09	1.88E-09	2.98E-09	5.25E-10	3.31E-10	1.23E-08
3553	497863.09	3849877.25	2.02E-05	2.48E-05	2.17E-05	7.00E-09	2.11E-08	1.22E-08	1.50E-08	1.36E-08	6.20E-09	5.44E-09	2.34E-10	5.65E-09	1.25E-09	2.04E-09	3.23E-09	5.69E-10	3.59E-10	1.33E-08
3554	498363.09	3849877.25	1.98E-05	2.43E-05	2.13E-05	6.87E-09	2.08E-08	1.20E-08	1.47E-08	1.33E-08	6.09E-09	5.34E-09	2.30E-10	5.54E-09	1.22E-09	2.00E-09	3.17E-09	5.59E-10	3.52E-10	1.31E-08
3555	471363.09	3850377.25	1.06E-05	1.29E-05	1.13E-05	3.66E-09	1.10E-08	6.40E-09	7.83E-09	7.10E-09	3.24E-09	2.84E-09	1.22E-10	2.95E-09	6.51E-10	1.06E-09	1.69E-09	2.97E-10	1.87E-10	6.96E-09
3556	471863.09	3850377.25	1.31E-05	1.61E-05	1.41E-05	4.55E-09	1.37E-08	7.96E-09	9.75E-09	8.84E-09	4.03E-09	3.53E-09	1.52E-10	3.67E-09	8.10E-10	1.32E-09	2.10E-09	3.70E-10	2.33E-10	8.66E-09
3557	472363.09	3850377.25	1.42E-05	1.74E-05	1.53E-05	4.92E-09	1.49E-08	8.60E-09	1.05E-08	9.55E-09	4.36E-09	3.82E-09	1.64E-10	3.97E-09	8.76E-10	1.43E-09	2.27E-09	4.00E-10	2.52E-10	9.36E-09
3558	472863.09	3850377.25	1.61E-05	1.97E-05	1.72E-05	5.56E-09	1.68E-08	9.72E-09	1.19E-08	1.08E-08	4.93E-09	4.32E-09	1.86E-10	4.49E-09	9.90E-10	1.62E-09	2.57E-09	4.52E-10	2.85E-10	1.06E-08
3559	473363.09	3850377.25	1.70E-05	2.09E-05	1.83E-05	5.91E-09	1.78E-08	1.03E-08	1.27E-08	1.15E-08	5.23E-09	4.59E-09	1.97E-10	4.77E-09	1.05E-09	1.72E-09	2.72E-09	4.80E-10	3.03E-10	1.12E-08
3560	473863.09	3850377.25	1.86E-05	2.27E-05	1.99E-05	6.44E-09	1.94E-08	1.12E-08	1.38E-08	1.25E-08	5.70E-09	5.00E-09	2.15E-10	5.19E-09	1.15E-09	1.87E-09	2.97E-09	5.23E-10	3.30E-10	1.22E-08
3561	474363.09	3850377.25	2.02E-05	2.47E-05	2.17E-05	7.00E-09	2.11E-08	1.22E-08	1.50E-08	1.36E-08	6.20E-09	5.44E-09	2.34E-10	5.65E-09	1.25E-09	2.03E-09	3.23E-09	5.69E-10	3.59E-10	1.33E-08
3562	474863.09	3850377.25	2.18E-05	2.67E-05	2.34E-05	7.56E-09	2.28E-08	1.32E-08	1.62E-08	1.47E-08	6.70E-09	5.87E-09	2.53E-10	6.10E-09	1.35E-09	2.20E-09	3.49E-09	6.15E-10	3.87E-10	1.44E-08
3563	475363.09	3850377.25	2.35E-05	2.87E-05	2.52E-05	8.13E-09	2.46E-08	1.42E-08	1.74E-08	1.58E-08	7.20E-09	6.32E-09	2.72E-10	6.56E-09	1.45E-09	2.36E-09	3.75E-09	6.61E-10	4.17E-10	1.55E-08
3564	475863.09	3850377.25	2.49E-05	3.05E-05	2.67E-05	8.62E-09	2.60E-08	1.51E-08	1.85E-08	1.67E-08	7.63E-09	6.69E-09	2.88E-10	6.95E-09	1.53E-09	2.51E-09	3.97E-09	7.00E-10	4.42E-10	1.64E-08
3565	476363.09	3850377.25	2.60E-05	3.18E-05	2.79E-05	9.00E-09	2.72E-08	1.57E-08	1.93E-08	1.75E-08	7.97E-09	6.99E-09	3.00E-10	7.26E-09	1.60E-09	2.62E-09	4.15E-09	7.31E-10	4.61E-10	1.71E-08
3566	476863.09	3850377.25	2.69E-05	3.30E-05	2.89E-05	9.33E-09	2.82E-08	1.63E-08	2.00E-08	1.81E-08	8.26E-09	7.24E-09	3.11E-10	7.52E-09	1.66E-09	2.71E-09	4.30E-09	7.58E-10	4.78E-10	1.77E-08
3567	477363.09	3850377.25	2.77E-05	3.40E-05	2.98E-05	9.62E-09	2.90E-08	1.68E-08	2.06E-08	1.87E-08	8.52E-09	7.47E-09	3.21E-10	7.76E-09	1.71E-09	2.80E-09	4.43E-09	7.81E-10	4.93E-10	1.83E-08
3568	477863.09	3850377.25	2.81E-05	3.44E-05	3.02E-05	9.73E-09	2.94E-08	1.70E-08	2.08E-08	1.89E-08	8.62E-09	7.56E-09	3.25E-10	7.85E-09	1.73E-09	2.83E-09	4.49E-09	7.91E-10	4.99E-10	1.85E-08
3569	478363.09	3850377.25	2.72E-05	3.33E-05	2.92E-05	9.41E-09	2.84E-08	1.65E-08	2.02E-08	1.83E-08	8.34E-09	7.31E-09	3.14E-10	7.59E-09	1.68E-09	2.74E-09	4.34E-09	7.65E-10	4.82E-10	1.79E-08
3570	478863.09	3850377.25	2.86E-05	3.51E-05	3.08E-05	9.92E-09	2.99E-08	1.73E-08	2.12E-08	1.93E-08	8.78E-09	7.71E-09	3.31E-10	8.00E-09	1.77E-09	2.88E-09	4.57E-09	8.06E-10	5.08E-10	1.89E-08
3571	479363.09	3850377.25	3.35E-05	4.11E-05	3.60E-05	1.16E-08	3.51E-08	2.03E-08	2.49E-08	2.26E-08	1.03E-08	9.03E-09	3.88E-10	9.38E-09	2.07E-09	3.38E-09	5.36E-09	9.45E-10	5.96E-10	2.21E-08
3572	479863.09	3850377.25	3.83E-05	4.69E-05	4.11E-05	1.33E-08	4.01E-08	2.32E-08	2.84E-08	2.58E-08	1.18E-08	1.03E-08	4.43E-10	1.07E-08	2.36E-09	3.86E-09	6.12E-09	1.08E-09	6.80E-10	2.53E-08
3573	480363.09	3850377.25	3.88E-05	4.75E-05	4.16E-05	1.34E-08	4.06E-08	2.35E-08	2.88E-08	2.61E-08	1.19E-08	1.04E-08	4.49E-10	1.08E-08	2.39E-09	3.90E-09	6.19E-09	1.09E-09	6.88E-10	2.56E-08
3574	480863.09	3850377.25	3.54E-05	4.33E-05	3.80E-05	1.23E-08	3.70E-08	2.14E-08	2.62E-08	2.38E-08	1.08E-08	9.52E-09	4.09E-10	9.88E-09	2.18E-09	3.56E-09	5.65E-09	9.96E-10	6.28E-10	2.33E-08
3575	481363.09	3850377.25	2.34E-05	2.87E-05	2.52E-05	8.13E-09	2.45E-08	1.42E-08	1.74E-08	1.58E-08	7.20E-09	6.31E-09	2.71E-10	6.55E-09	1.45E-09	2.36E-09	3.75E-09	6.60E-10	4.16E-10	1.55E-08
3576	481863.09	3850377.25	2.14E-05	2.63E-05	2.30E-05	7.43E-09	2.24E-08	1.30E-08	1.59E-08	1.44E-08	6.58E-09	5.77E-09	2.48E-10	5.99E-09	1.32E-09	2.16E-09	3.43E-09	6.04E-10	3.81E-10	1.41E-08
3577	482363.09	3850377.25	1.86E-05	2.28E-05	2.00E-05	6.45E-09	1.95E-08	1.13E-08	1.38E-08	1.25E-08	5.71E-09	5.01E-09	2.15E-10	5.20E-09	1.15E-09	1.87E-09	2.97E-09	5.24E-10	3.30E-10	1.23E-08
3578	482863.09	3850377.25	1.20E-05	1.47E-05	1.29E-05	4.16E-09	1.26E-08	7.27E-09	8.91E-09	8.08E-09	3.69E-09	3.23E-09	1.39E-10	3.36E-09	7.41E-10	1.21E-09	1.92E-09	3.38E-10	2.13E-10	7.92E-09
3579	483363.09	3850377.25	9.40E-06	1.15E-05	1.01E-05	3.26E-09	9.84E-09	5.70E-09	6.98E-09	6.33E-09	2.89E-09	2.53E-09	1.09E-10	2.63E-09	5.80E-10	9.47E-10	1.50E-09	2.65E-10	1.67E-10	6.20E-09
3580	483863.09	3850377.25	1.02E-05	1.25E-05	1.10E-05	3.54E-09	1.07E-08	6.19E-09	7.59E-09	6.88E-09	3.14E-09	2.75E-09	1.18E-10	2.86E-09	6.31E-10	1.03E-09	1.63E-09	2.88E-10	1.82E-10	6.74E-09
3581	484363.09	3850377.25	1.24E-05	1.52E-05	1.33E-05	4.30E-09	1.30E-08	7.51E-09	9.20E-09	8.34E-09	3.81E-09	3.34E-09	1.44E-10	3.47E-09	7.65E-10	1.25E-09	1.98E-09	3.49E-10	2.20E-10	8.18E-09
3582	484863.09	3850377.25	1.49E-05	1.83E-05	1.61E-05	5.18E-09	1.56E-08	9.05E-09	1.11E-08	1.00E-08	4.58E-09	4.02E-09	1.73E-10	4.17E-09	9.21E-10	1.50E-09	2.39E-09	4.21E-10	2.65E-10	9.85E-09
3583	485363.09	3850377.25	1.43E-05	1.76E-05	1.54E-05	4.97E-09	1.50E-08	8.69E-09	1.06E-08	9.65E-09	4.40E-09	3.86E-09	1.66E-10	4.01E-09	8.85E-10	1.45E-09	2.29E-09	4.04E-10	2.55E-10	9.46E-09
3584	485863.09	3850377.25	1.26E-05	1.54E-05	1.35E-05	4.35E-09	1.31E-08	7.61E-09	9.32E-09	8.45E-09	3.85E-09	3.38E-09	1.45E-10	3.51E-09	7.75E-10	1.27E-09	2.01E-09	3.54E-10	2.23E-10	8.28E-09
3585	486363.09	3850377.25	1.20E-05	1.47E-05	1.29E-05	4.15E-09	1.25E-08	7.25E-09	8.89E-09	8.06E-09	3.68E-09	3.22E-09	1.39E-10	3.35E-09	7.39E-10	1.21E-09	1.91E-09	3.37E-10	2.13E-10	7.90E-09
3586	486863.09	3850377.25	1.16E-05	1.42E-05	1.25E-05	4.02E-09	1.21E-08	7.03E-09	8.61E-09	7.80E-09	3.56E-09	3.12E-09	1.34E-10	3.24E-09	7.16E-10	1.17E-09	1.85E-09	3.27E-10	2.06E-10	7.65E-09
3587	487363.09	3850377.25	1.08E-05	1.33E-05	1.17E-05	3.76E-09	1.14E-08	6.57E-09	8.05E-09	7.30E-09	3.33E-09	2.92E-09	1.26E-10	3.03E-09	6.69E-10	1.09E-09	1.73E-09	3.06E-10	1.93E-10	7.15E-09
3588	487863.09	3850377.25	1.11E-05	1.36E-05	1.19E-05	3.84E-09	1.16E-08	6.72E-09	8.23E-09	7.46E-09	3.40E-09	2.98E-09	1.28E-10	3.10E-09	6.84E-10	1.12E-09	1.77E-09	3.12E-10	1.97E-10	7.31E-09
3589	488363.09	3850377.25	1.13E-05	1.38E-05	1.21E-05	3.91E-09	1.18E-08	6.83E-09	8.37E-09	7.59E-09	3.46E-09	3.04E-09	1.31E-10	3.15E-09	6.96E-10	1.14E-09	1.80E-09	3.18E-10	2.00E-10	7.44E-09
3590	488863.09	3850377.25	1.15E-05	1.41E-05	1.24E-05	3.99E-09	1.20E-08	6.97E-09	8.54E-09	7.74E-09	3.53E-09	3.10E-09	1.33E-10	3.22E-09	7.10E-10	1.16E-09	1.84E-09	3.24E-10	2.04E-10	7.59E-09
3591	489363.09	3850377.25	1.16E-05	1.43E-05	1.25E-05	4.03E-09	1.22E-08	7.05E-09	8.64E-09	7.83E-09	3.57E-09	3.13E-09	1.35E-10	3.25E-09	7.18E-10	1.17E-09	1.86E-09	3.28E-10	2.07E-10	7.67E-09
3592	489863.09	3850377.25	1.14E-05	1.40E-05	1.23E-05	3.96E-09	1.20E-08	6.93E-09	8.49E-09	7.69E-09	3.51E-09	3.08E-09	1.32E-10	3.20E-09	7.06E-10	1.15E-09	1.83E-09	3.22E-10	2.03E-10	7.54E-09

3593	490363.09	3850377.25	1.15E-05	1.41E-05	1.23E-05	3.98E-09	1.20E-08	6.96E-09	8.52E-09	7.72E-09	3.52E-09	3.09E-09	1.33E-10	3.21E-09	7.08E-10	1.16E-09	1.84E-09	3.23E-10	2.04E-10	7.57E-09
3594	490863.09	3850377.25	1.19E-05	1.45E-05	1.27E-05	4.11E-09	1.24E-08	7.18E-09	8.80E-09	7.97E-09	3.64E-09	3.19E-09	1.37E-10	3.31E-09	7.31E-10	1.19E-09	1.89E-09	3.34E-10	2.10E-10	7.82E-09
3595	491363.09	3850377.25	1.22E-05	1.49E-05	1.31E-05	4.22E-09	1.27E-08	7.37E-09	9.03E-09	8.18E-09	3.73E-09	3.27E-09	1.41E-10	3.40E-09	7.50E-10	1.23E-09	1.94E-09	3.43E-10	2.16E-10	8.02E-09
3596	491863.09	3850377.25	1.20E-05	1.46E-05	1.28E-05	4.14E-09	1.25E-08	7.24E-09	8.87E-09	8.04E-09	3.67E-09	3.21E-09	1.38E-10	3.34E-09	7.37E-10	1.20E-09	1.91E-09	3.37E-10	2.12E-10	7.88E-09
3597	492363.09	3850377.25	1.16E-05	1.42E-05	1.24E-05	4.01E-09	1.21E-08	7.01E-09	8.59E-09	7.78E-09	3.55E-09	3.11E-09	1.34E-10	3.23E-09	7.14E-10	1.17E-09	1.85E-09	3.26E-10	2.05E-10	7.63E-09
3598	492863.09	3850377.25	1.16E-05	1.42E-05	1.24E-05	4.01E-09	1.21E-08	7.01E-09	8.58E-09	7.78E-09	3.55E-09	3.11E-09	1.34E-10	3.23E-09	7.13E-10	1.17E-09	1.85E-09	3.26E-10	2.05E-10	7.62E-09
3599	493363.09	3850377.25	1.13E-05	1.38E-05	1.21E-05	3.91E-09	1.18E-08	6.83E-09	8.37E-09	7.59E-09	3.46E-09	3.03E-09	1.31E-10	3.15E-09	6.96E-10	1.14E-09	1.80E-09	3.18E-10	2.00E-10	7.43E-09
3600	493863.09	3850377.25	1.27E-05	1.55E-05	1.36E-05	4.39E-09	1.33E-08	7.68E-09	9.41E-09	8.53E-09	3.89E-09	3.41E-09	1.47E-10	3.54E-09	7.82E-10	1.28E-09	2.03E-09	3.57E-10	2.25E-10	8.36E-09
3601	494363.09	3850377.25	1.39E-05	1.71E-05	1.50E-05	4.83E-09	1.46E-08	8.44E-09	1.03E-08	9.38E-09	4.28E-09	3.75E-09	1.61E-10	3.90E-09	8.60E-10	1.40E-09	2.23E-09	3.93E-10	2.47E-10	9.19E-09
3602	494863.09	3850377.25	1.60E-05	1.96E-05	1.71E-05	5.53E-09	1.67E-08	9.67E-09	1.18E-08	1.07E-08	4.90E-09	4.30E-09	1.85E-10	4.46E-09	9.85E-10	1.61E-09	2.55E-09	4.50E-10	2.83E-10	1.05E-08
3603	495363.09	3850377.25	1.85E-05	2.26E-05	1.98E-05	6.41E-09	1.93E-08	1.12E-08	1.37E-08	1.24E-08	5.67E-09	4.97E-09	2.14E-10	5.17E-09	1.14E-09	1.86E-09	2.95E-09	5.21E-10	3.28E-10	1.22E-08
3604	495863.09	3850377.25	1.80E-05	2.21E-05	1.93E-05	6.24E-09	1.89E-08	1.09E-08	1.34E-08	1.21E-08	5.53E-09	4.85E-09	2.08E-10	5.04E-09	1.11E-09	1.81E-09	2.88E-09	5.07E-10	3.20E-10	1.19E-08
3605	496363.09	3850377.25	2.05E-05	2.52E-05	2.21E-05	7.12E-09	2.15E-08	1.24E-08	1.52E-08	1.38E-08	6.31E-09	5.53E-09	2.38E-10	5.74E-09	1.27E-09	2.07E-09	3.28E-09	5.79E-10	3.65E-10	1.35E-08
3606	496863.09	3850377.25	2.30E-05	2.82E-05	2.47E-05	7.97E-09	2.41E-08	1.39E-08	1.71E-08	1.55E-08	7.06E-09	6.19E-09	2.66E-10	6.43E-09	1.42E-09	2.32E-09	3.68E-09	6.48E-10	4.08E-10	1.52E-08
3607	497363.09	3850377.25	2.43E-05	2.97E-05	2.61E-05	8.41E-09	2.54E-08	1.47E-08	1.80E-08	1.63E-08	7.45E-09	6.53E-09	2.81E-10	6.78E-09	1.50E-09	2.44E-09	3.88E-09	6.83E-10	4.31E-10	1.60E-08
3608	497863.09	3850377.25	2.44E-05	2.99E-05	2.62E-05	8.45E-09	2.55E-08	1.48E-08	1.81E-08	1.64E-08	7.49E-09	6.56E-09	2.82E-10	6.82E-09	1.50E-09	2.46E-09	3.90E-09	6.87E-10	4.33E-10	1.61E-08
3609	498363.09	3850377.25	2.44E-05	2.99E-05	2.62E-05	8.47E-09	2.56E-08	1.48E-08	1.81E-08	1.64E-08	7.50E-09	6.58E-09	2.83E-10	6.83E-09	1.51E-09	2.46E-09	3.91E-09	6.88E-10	4.34E-10	1.61E-08
3610	471363.09	3850877.25	1.31E-05	1.60E-05	1.41E-05	4.53E-09	1.37E-08	7.93E-09	9.71E-09	8.80E-09	4.02E-09	3.52E-09	1.51E-10	3.66E-09	8.07E-10	1.32E-09	2.09E-09	3.69E-10	2.32E-10	8.63E-09
3611	471863.09	3850877.25	1.44E-05	1.77E-05	1.55E-05	5.00E-09	1.51E-08	8.73E-09	1.07E-08	9.70E-09	4.42E-09	3.88E-09	1.67E-10	4.03E-09	8.89E-10	1.45E-09	2.30E-09	4.06E-10	2.56E-10	9.50E-09
3612	472363.09	3850877.25	1.60E-05	1.96E-05	1.72E-05	5.54E-09	1.67E-08	9.68E-09	1.19E-08	1.07E-08	4.90E-09	4.30E-09	1.85E-10	4.47E-09	9.86E-10	1.61E-09	2.55E-09	4.50E-10	2.84E-10	1.05E-08
3613	472863.09	3850877.25	1.72E-05	2.11E-05	1.85E-05	5.96E-09	1.80E-08	1.04E-08	1.28E-08	1.16E-08	5.28E-09	4.63E-09	1.99E-10	4.81E-09	1.06E-09	1.73E-09	2.75E-09	4.84E-10	3.05E-10	1.13E-08
3614	473363.09	3850877.25	1.68E-05	2.06E-05	1.81E-05	5.84E-09	1.76E-08	1.02E-08	1.25E-08	1.13E-08	5.17E-09	4.53E-09	1.95E-10	4.71E-09	1.04E-09	1.70E-09	2.69E-09	4.75E-10	2.99E-10	1.11E-08
3615	473863.09	3850877.25	1.84E-05	2.25E-05	1.97E-05	6.36E-09	1.92E-08	1.11E-08	1.36E-08	1.24E-08	5.64E-09	4.94E-09	2.13E-10	5.13E-09	1.13E-09	1.85E-09	2.93E-09	5.17E-10	3.26E-10	1.21E-08
3616	474363.09	3850877.25	2.05E-05	2.51E-05	2.20E-05	7.10E-09	2.14E-08	1.24E-08	1.52E-08	1.38E-08	6.29E-09	5.52E-09	2.37E-10	5.73E-09	1.26E-09	2.06E-09	3.28E-09	5.77E-10	3.64E-10	1.35E-08
3617	474863.09	3850877.25	2.21E-05	2.71E-05	2.37E-05	7.65E-09	2.31E-08	1.34E-08	1.64E-08	1.49E-08	6.78E-09	5.95E-09	2.56E-10	6.17E-09	1.36E-09	2.23E-09	3.53E-09	6.22E-10	3.92E-10	1.46E-08
3618	475363.09	3850877.25	2.38E-05	2.92E-05	2.56E-05	8.25E-09	2.49E-08	1.44E-08	1.77E-08	1.60E-08	7.31E-09	6.41E-09	2.76E-10	6.65E-09	1.47E-09	2.40E-09	3.80E-09	6.71E-10	4.23E-10	1.57E-08
3619	475863.09	3850877.25	2.57E-05	3.15E-05	2.77E-05	8.92E-09	2.69E-08	1.56E-08	1.91E-08	1.73E-08	7.90E-09	6.93E-09	2.98E-10	7.20E-09	1.59E-09	2.59E-09	4.11E-09	7.25E-10	4.57E-10	1.70E-08
3620	476363.09	3850877.25	2.77E-05	3.39E-05	2.97E-05	9.59E-09	2.90E-08	1.68E-08	2.05E-08	1.86E-08	8.50E-09	7.45E-09	3.20E-10	7.74E-09	1.71E-09	2.79E-09	4.42E-09	7.80E-10	4.92E-10	1.83E-08
3621	476863.09	3850877.25	2.95E-05	3.61E-05	3.17E-05	1.02E-08	3.08E-08	1.79E-08	2.19E-08	1.98E-08	9.05E-09	7.93E-09	3.41E-10	8.24E-09	1.82E-09	2.97E-09	4.71E-09	8.30E-10	5.23E-10	1.94E-08
3622	477363.09	3850877.25	3.10E-05	3.80E-05	3.33E-05	1.07E-08	3.25E-08	1.88E-08	2.30E-08	2.09E-08	9.52E-09	8.35E-09	3.59E-10	8.67E-09	1.91E-09	3.12E-09	4.96E-09	8.74E-10	5.51E-10	2.04E-08
3623	477863.09	3850877.25	3.22E-05	3.94E-05	3.46E-05	1.11E-08	3.37E-08	1.95E-08	2.39E-08	2.16E-08	9.87E-09	8.66E-09	3.72E-10	8.99E-09	1.98E-09	3.24E-09	5.14E-09	9.06E-10	5.71E-10	2.12E-08
3624	478363.09	3850877.25	3.29E-05	4.03E-05	3.54E-05	1.14E-08	3.44E-08	1.99E-08	2.44E-08	2.21E-08	1.01E-08	8.86E-09	3.81E-10	9.20E-09	2.03E-09	3.31E-09	5.26E-09	9.27E-10	5.84E-10	2.17E-08
3625	478863.09	3850877.25	3.33E-05	4.08E-05	3.58E-05	1.15E-08	3.48E-08	2.02E-08	2.47E-08	2.24E-08	1.02E-08	8.96E-09	3.85E-10	9.30E-09	2.05E-09	3.35E-09	5.32E-09	9.37E-10	5.91E-10	2.19E-08
3626	479363.09	3850877.25	3.41E-05	4.18E-05	3.67E-05	1.18E-08	3.57E-08	2.07E-08	2.53E-08	2.29E-08	1.05E-08	9.18E-09	3.95E-10	9.53E-09	2.10E-09	3.44E-09	5.45E-09	9.61E-10	6.06E-10	2.25E-08
3627	479863.09	3850877.25	3.90E-05	4.77E-05	4.19E-05	1.35E-08	4.08E-08	2.36E-08	2.89E-08	2.62E-08	1.20E-08	1.05E-08	4.51E-10	1.09E-08	2.40E-09	3.92E-09	6.23E-09	1.10E-09	6.92E-10	2.57E-08
3628	480363.09	3850877.25	4.60E-05	5.63E-05	4.94E-05	1.59E-08	4.81E-08	2.79E-08	3.41E-08	3.09E-08	1.41E-08	1.24E-08	5.32E-10	1.29E-08	2.84E-09	4.63E-09	7.35E-09	1.30E-09	8.16E-10	3.03E-08
3629	480863.09	3850877.25	4.78E-05	5.86E-05	5.14E-05	1.66E-08	5.00E-08	2.90E-08	3.55E-08	3.22E-08	1.47E-08	1.29E-08	5.53E-10	1.34E-08	2.95E-09	4.82E-09	7.64E-09	1.35E-09	8.49E-10	3.15E-08
3630	481363.09	3850877.25	4.33E-05	5.30E-05	4.65E-05	1.50E-08	4.53E-08	2.62E-08	3.21E-08	2.91E-08	1.33E-08	1.16E-08	5.01E-10	1.21E-08	2.67E-09	4.36E-09	6.92E-09	1.22E-09	7.68E-10	2.85E-08
3631	481863.09	3850877.25	3.56E-05	4.36E-05	3.83E-05	1.23E-08	3.73E-08	2.16E-08	2.64E-08	2.40E-08	1.09E-08	9.59E-09	4.12E-10	9.96E-09	2.20E-09	3.59E-09	5.69E-09	1.00E-09	6.32E-10	2.35E-08
3632	482363.09	3850877.25	2.77E-05	3.39E-05	2.97E-05	9.59E-09	2.90E-08	1.68E-08	2.05E-08	1.86E-08	8.49E-09	7.45E-09	3.20E-10	7.74E-09	1.71E-09	2.79E-09	4.42E-09	7.79E-10	4.91E-10	1.82E-08
3633	482863.09	3850877.25	2.14E-05	2.63E-05	2.30E-05	7.43E-09	2.24E-08	1.30E-08	1.59E-08	1.44E-08	6.58E-09	5.77E-09	2.48E-10	5.99E-09	1.32E-09	2.16E-09	3.43E-09	6.04E-10	3.81E-10	1.41E-08
3634	483363.09	3850877.25	1.60E-05	1.96E-05	1.72E-05	5.54E-09	1.67E-08	9.68E-09	1.19E-08	1.07E-08	4.90E-09	4.30E-09	1.85E-10	4.47E-09	9.85E-10	1.61E-09	2.55E-09	4.50E-10	2.84E-10	1.05E-08
3635	483863.09	3850877.25	1.55E-05	1.90E-05	1.67E-05	5.37E-09	1.62E-08	9.39E-09	1.15E-08	1.04E-08	4.76E-09	4.17E-09	1.79E-10	4.33E-09	9.57E-10	1.56E-09	2.48E-09	4.37E-10	2.75E-10	1.02E-08
3636	484363.09	3850877.25	1.80E-05	2.21E-05	1.94E-05	6.25E-09	1.89E-08	1.09E-08	1.34E-08	1.21E-08	5.53E-09	4.86E-09	2.09E-10	5.04E-09	1.11E-09	1.82E-09	2.88E-09	5.08E-10	3.20E-10	1.19E-08
3637	484863.09	3850877.25	1.76E-05	2.15E-05	1.89E-05	6.09E-09	1.84E-08	1.06E-08	1.30E-08	1.18E-08	5.39E-09	4.73E-09	2.03E-10	4.91E-09	1.08E-09	1.77E-09	2.81E-09	4.95E-10	3.12E-10	1.16E-08
3638	485363.09	3850877.25	1.84E-05	2.25E-05	1.97E-05	6.36E-09	1.92E-08	1.11E-08	1.36E-08	1.23E-08	5.63E-09	4.94E-09	2.12E-10	5.13E-09	1.13E-09	1.85E-09	2.93E-09	5.17E-10	3.26E-10	1.21E-08
3639	485863.09	3850877.25	1.53E-05	1.87E-05	1.64E-05	5.30E-09	1.60E-08	9.26E-09	1.13E-08	1.03E-08	4.69E-09	4.12E-09	1.77E-10	4.27E-09	9.43E-10	1.54E-09	2.44E-09	4.31E-10	2.72E-10	1.01E-08
3640	486363.09	3850877.25	1.57E-05	1.93E-05	1.69E-05	5.46E-09	1.65E-08	9.54E-09	1.17E-08	1.06E-08	4.83E-09	4.24E-09	1.82E-10	4.40E-09	9.71E-10	1.59E-09	2.52E-09	4.43E-10	2.80E-10	1.04E-08
3641	486863.09	3850877.25	1.51E-05	1.85E-05	1.62E-05	5.22E-09	1.58E-08	9.13E-09	1.12E-08	1.01E-08	4.63E-09	4.06E-09	1.74E-10	4.21E-09	9.30E-10	1.52E-09	2.41E-09	4.25E-10	2.68E-10	9.94E-09
3642	487363.09	3850877.25	1.44E-05	1.77E-05	1.55E-05	5.00E-09	1.51E-08	8.73E-09	1.07E-08	9.70E-09	4.42E-09	3.88E-09	1.67E-10	4.03E-09	8.89E-10	1.45E-09	2.30E-09	4.06E-10	2.56E-10	9.50E-09
3643	487863.09	3850877.25	1.47E-05	1.80E-05	1.57E-05	5.08E-09	1.53E-08	8.88E-09	1.09E-08	9.86E-09	4.50E-09	3.94E-09	1.70E-10	4.10E-09	9.04E-10	1.48E-09	2.34E-09	4.13E-10	2.60E-10	9.66E-09
3644	488363.09	3850877.25	1.50E-05	1.83E-05	1.61E-05	5.19E-09	1.57E-08	9.07E-09	1.11E-08	1.01E-08	4.60E-09	4.03E-09	1.73E-10	4.19E-09	9.24E-10	1.51E-09	2.39E-09	4.22E-10	2.66E-10	9.87E-09
3645	488863.09	3850877.25	1.51E-05	1.85E-05	1.63E-05	5.25E-09	1.58E-08	9.17E-09	1.12E-08	1.02E-08	4.65E-09	4.07E-09	1.75E-10	4.23E-09	9.34E-10	1.53E-09	2.42E-09	4.26E-10	2.69E-10	9.98E-09
3646	489363.09	3850877.25	1.54E-05	1.89E-05	1.66E-05	5.35E-09	1.62E-08	9.36E-09	1.15E-08	1.04E-08	4.74E-09	4.16E-09	1.79E-10	4.32E-09	9.53E-10	1.56E-09	2.47E-09	4.35E-10	2.74E-10	1.02E-08
3647	489863.09	3850877.25	1.56E-05	1.91E-05	1.68E-05	5.41E-09	1.63E-08	9.46E-09	1.16E-08	1.05E-08	4.79E-09	4.20E-09	1.81E-10	4.36E-09	9.63E-10	1.57E-09	2.50E-09	4.40E-10	2.77E-10	1.03E-08
3648	490363.09	3850877.25	1.63E-05	1.99E-05	1.75E-05	5.63E-09	1.70E-08	9.84E-09	1.21E-08	1.09E-08	4.99E-09	4.37E-09	1.88E-10	4.54E-09	1.00E-09	1.64E-09	2.60E-09	4.58E-10	2.88E-10	1.07E-08
3649	490863.09	3850877.25	1.69E-05	2.07E-05	1.81E-05	5.84E-09	1.76E-08	1.02E-08	1.25E-08	1.13E-08	5.17E-09	4.54E-09	1.95E-10	4.71E-09	1.04E-09	1.70E-09	2.69E-09	4.75E-10	2.99E-10	1.11E-08
3650	491363.09	3850877.25	1.68E-05	2.06E-05	1.81E-05	5.83E-09	1.76E-08	1.02E-08	1.25E-08	1.13E-08	5.17E-09	4.53E-09	1.95E-10	4.71E-09	1.04E-09	1.70E-09	2.69E-09	4.74E-10	2.99E-10	1.11E-08
3651	491863.09	3850877.25	1.66E-05	2.03E-05	1.78E-05	5.74E-09	1.73E-08	1.00E-08	1.23E-08	1.11E-08	5.08E-09	4.46E-09	1.92E-10	4.63E-09	1.02E-09	1.67E-09	2.65E-09	4.67E-10	2.94E-10	1.09E-08
3652	492363.09	3850877.25	1.64E-05	2.01E-05	1.76E-05	5.68E-09	1.71E-08	9.93E-09	1.22E-08	1.10E-08	5.03E-09	4.41E-09	1.90E-10	4.58E-09	1.01E-09	1.65E-09	2.62E-09	4.62E-10	2.91E-10	1.08E-08
3653	492863.09	3850877.25	1.65E-05	2.02E-05	1.77E-05	5.71E-09	1.72E-08	9.98E-09	1.22E-08	1.11E-08	5.06E-09	4.43E-09	1.91E-10	4.61E-09	1.02E-09	1.66E-09	2.63E-09	4.64E-10	2.92E-10	1.09E-08

3654	493363.09	3850877.25	1.70E-05	2.08E-05	1.82E-05	5.88E-09	1.78E-08	1.03E-08	1.26E-08	1.14E-08	5.21E-09	4.56E-09	1.96E-10	4.74E-09	1.05E-09	1.71E-09	2.71E-09	4.78E-10	3.01E-10	1.12E-08
3655	493863.09	3850877.25	1.90E-05	2.33E-05	2.04E-05	6.59E-09	1.99E-08	1.15E-08	1.41E-08	1.28E-08	5.84E-09	5.12E-09	2.20E-10	5.32E-09	1.17E-09	1.92E-09	3.04E-09	5.36E-10	3.37E-10	1.25E-08
3656	494363.09	3850877.25	2.02E-05	2.47E-05	2.17E-05	7.00E-09	2.11E-08	1.22E-08	1.50E-08	1.36E-08	6.20E-09	5.43E-09	2.34E-10	5.64E-09	1.25E-09	2.03E-09	3.23E-09	5.69E-10	3.58E-10	1.33E-08
3657	494863.09	3850877.25	2.26E-05	2.77E-05	2.43E-05	7.83E-09	2.36E-08	1.37E-08	1.68E-08	1.52E-08	6.94E-09	6.08E-09	2.62E-10	6.32E-09	1.39E-09	2.28E-09	3.61E-09	6.37E-10	4.01E-10	1.49E-08
3658	495363.09	3850877.25	2.52E-05	3.09E-05	2.71E-05	8.75E-09	2.64E-08	1.53E-08	1.87E-08	1.70E-08	7.74E-09	6.79E-09	2.92E-10	7.05E-09	1.56E-09	2.54E-09	4.03E-09	7.11E-10	4.48E-10	1.66E-08
3659	495863.09	3850877.25	2.59E-05	3.18E-05	2.79E-05	8.99E-09	2.71E-08	1.57E-08	1.92E-08	1.74E-08	7.96E-09	6.98E-09	3.00E-10	7.25E-09	1.60E-09	2.61E-09	4.14E-09	7.30E-10	4.60E-10	1.71E-08
3660	496363.09	3850877.25	2.75E-05	3.37E-05	2.95E-05	9.53E-09	2.88E-08	1.67E-08	2.04E-08	1.85E-08	8.44E-09	7.40E-09	3.18E-10	7.69E-09	1.70E-09	2.77E-09	4.39E-09	7.74E-10	4.88E-10	1.81E-08
3661	496863.09	3850877.25	3.00E-05	3.67E-05	3.22E-05	1.04E-08	3.14E-08	1.82E-08	2.22E-08	2.02E-08	9.20E-09	8.06E-09	3.47E-10	8.38E-09	1.85E-09	3.02E-09	4.79E-09	8.44E-10	5.32E-10	1.98E-08
3662	497363.09	3850877.25	3.03E-05	3.71E-05	3.25E-05	1.05E-08	3.17E-08	1.84E-08	2.25E-08	2.04E-08	9.30E-09	8.15E-09	3.51E-10	8.47E-09	1.87E-09	3.05E-09	4.84E-09	8.53E-10	5.38E-10	2.00E-08
3663	497863.09	3850877.25	2.99E-05	3.66E-05	3.21E-05	1.04E-08	3.13E-08	1.81E-08	2.22E-08	2.01E-08	9.17E-09	8.04E-09	3.46E-10	8.36E-09	1.84E-09	3.01E-09	4.78E-09	8.42E-10	5.30E-10	1.97E-08
3664	498363.09	3850877.25	2.94E-05	3.60E-05	3.16E-05	1.02E-08	3.08E-08	1.78E-08	2.18E-08	1.98E-08	9.03E-09	7.91E-09	3.40E-10	8.22E-09	1.81E-09	2.96E-09	4.70E-09	8.28E-10	5.22E-10	1.94E-08
3665	471363.09	3851377.25	1.40E-05	1.71E-05	1.50E-05	4.85E-09	1.46E-08	8.47E-09	1.04E-08	9.40E-09	4.29E-09	3.76E-09	1.62E-10	3.91E-09	8.62E-10	1.41E-09	2.23E-09	3.94E-10	2.48E-10	9.22E-09
3666	471863.09	3851377.25	1.67E-05	2.04E-05	1.79E-05	5.78E-09	1.75E-08	1.01E-08	1.24E-08	1.12E-08	5.12E-09	4.49E-09	1.93E-10	4.66E-09	1.03E-09	1.68E-09	2.67E-09	4.70E-10	2.96E-10	1.10E-08
3667	472363.09	3851377.25	1.72E-05	2.11E-05	1.85E-05	5.97E-09	1.80E-08	1.04E-08	1.28E-08	1.16E-08	5.29E-09	4.64E-09	1.99E-10	4.82E-09	1.06E-09	1.74E-09	2.75E-09	4.85E-10	3.06E-10	1.14E-08
3668	472863.09	3851377.25	1.79E-05	2.19E-05	1.92E-05	6.19E-09	1.87E-08	1.08E-08	1.32E-08	1.20E-08	5.48E-09	4.80E-09	2.07E-10	4.99E-09	1.10E-09	1.80E-09	2.85E-09	5.03E-10	3.17E-10	1.18E-08
3669	473363.09	3851377.25	1.70E-05	2.08E-05	1.83E-05	5.89E-09	1.78E-08	1.03E-08	1.26E-08	1.14E-08	5.22E-09	4.58E-09	1.97E-10	4.75E-09	1.05E-09	1.71E-09	2.72E-09	4.79E-10	3.02E-10	1.12E-08
3670	473863.09	3851377.25	1.79E-05	2.19E-05	1.92E-05	6.21E-09	1.87E-08	1.08E-08	1.33E-08	1.20E-08	5.50E-09	4.82E-09	2.07E-10	5.01E-09	1.10E-09	1.80E-09	2.86E-09	5.04E-10	3.18E-10	1.18E-08
3671	474363.09	3851377.25	2.02E-05	2.48E-05	2.17E-05	7.01E-09	2.12E-08	1.23E-08	1.50E-08	1.36E-08	6.21E-09	5.44E-09	2.34E-10	5.66E-09	1.25E-09	2.04E-09	3.23E-09	5.70E-10	3.59E-10	1.33E-08
3672	474863.09	3851377.25	2.21E-05	2.71E-05	2.37E-05	7.66E-09	2.31E-08	1.34E-08	1.64E-08	1.49E-08	6.79E-09	5.95E-09	2.56E-10	6.18E-09	1.36E-09	2.23E-09	3.53E-09	6.23E-10	3.93E-10	1.46E-08
3673	475363.09	3851377.25	2.42E-05	2.96E-05	2.60E-05	8.37E-09	2.53E-08	1.46E-08	1.79E-08	1.62E-08	7.41E-09	6.50E-09	2.80E-10	6.75E-09	1.49E-09	2.43E-09	3.86E-09	6.80E-10	4.29E-10	1.59E-08
3674	475863.09	3851377.25	2.60E-05	3.19E-05	2.80E-05	9.02E-09	2.72E-08	1.58E-08	1.93E-08	1.75E-08	7.99E-09	7.01E-09	3.01E-10	7.28E-09	1.61E-09	2.62E-09	4.16E-09	7.33E-10	4.62E-10	1.72E-08
3675	476363.09	3851377.25	2.82E-05	3.45E-05	3.03E-05	9.77E-09	2.95E-08	1.71E-08	2.09E-08	1.90E-08	8.66E-09	7.59E-09	3.26E-10	7.88E-09	1.74E-09	2.84E-09	4.51E-09	7.94E-10	5.01E-10	1.86E-08
3676	476863.09	3851377.25	3.02E-05	3.70E-05	3.25E-05	1.05E-08	3.16E-08	1.83E-08	2.24E-08	2.03E-08	9.28E-09	8.14E-09	3.50E-10	8.45E-09	1.86E-09	3.05E-09	4.83E-09	8.51E-10	5.37E-10	1.99E-08
3677	477363.09	3851377.25	3.32E-05	4.07E-05	3.57E-05	1.15E-08	3.48E-08	2.01E-08	2.47E-08	2.24E-08	1.02E-08	8.95E-09	3.85E-10	9.29E-09	2.05E-09	3.35E-09	5.31E-09	9.36E-10	5.90E-10	2.19E-08
3678	477863.09	3851377.25	3.56E-05	4.36E-05	3.83E-05	1.23E-08	3.73E-08	2.16E-08	2.64E-08	2.40E-08	1.09E-08	9.59E-09	4.12E-10	9.96E-09	2.20E-09	3.59E-09	5.69E-09	1.00E-09	6.33E-10	2.35E-08
3679	478363.09	3851377.25	3.75E-05	4.60E-05	4.03E-05	1.30E-08	3.93E-08	2.27E-08	2.79E-08	2.52E-08	1.15E-08	1.01E-08	4.34E-10	1.05E-08	2.32E-09	3.78E-09	6.00E-09	1.06E-09	6.67E-10	2.47E-08
3680	478863.09	3851377.25	3.89E-05	4.77E-05	4.19E-05	1.35E-08	4.08E-08	2.36E-08	2.89E-08	2.62E-08	1.20E-08	1.05E-08	4.51E-10	1.09E-08	2.40E-09	3.92E-09	6.22E-09	1.10E-09	6.92E-10	2.57E-08
3681	479363.09	3851377.25	3.97E-05	4.86E-05	4.26E-05	1.37E-08	4.15E-08	2.40E-08	2.94E-08	2.67E-08	1.22E-08	1.07E-08	4.59E-10	1.11E-08	2.45E-09	4.00E-09	6.34E-09	1.12E-09	7.05E-10	2.61E-08
3682	479863.09	3851377.25	4.07E-05	4.99E-05	4.38E-05	1.41E-08	4.26E-08	2.47E-08	3.02E-08	2.74E-08	1.25E-08	1.10E-08	4.71E-10	1.14E-08	2.51E-09	4.10E-09	6.51E-09	1.15E-09	7.23E-10	2.68E-08
3683	480363.09	3851377.25	4.64E-05	5.69E-05	4.99E-05	1.61E-08	4.86E-08	2.81E-08	3.44E-08	3.12E-08	1.42E-08	1.25E-08	5.37E-10	1.30E-08	2.86E-09	4.68E-09	7.42E-09	1.31E-09	8.24E-10	3.06E-08
3684	480863.09	3851377.25	5.47E-05	6.71E-05	5.88E-05	1.90E-08	5.73E-08	3.32E-08	4.06E-08	3.68E-08	1.68E-08	1.47E-08	6.34E-10	1.53E-08	3.38E-09	5.52E-09	8.75E-09	1.54E-09	9.72E-10	3.61E-08
3685	481363.09	3851377.25	5.76E-05	7.06E-05	6.19E-05	2.00E-08	6.03E-08	3.49E-08	4.28E-08	3.88E-08	1.77E-08	1.55E-08	6.67E-10	1.61E-08	3.56E-09	5.81E-09	9.21E-09	1.62E-09	1.02E-09	3.80E-08
3686	481863.09	3851377.25	5.12E-05	6.27E-05	5.50E-05	1.77E-08	5.36E-08	3.10E-08	3.80E-08	3.44E-08	1.57E-08	1.38E-08	5.93E-10	1.43E-08	3.16E-09	5.16E-09	8.18E-09	1.44E-09	9.09E-10	3.38E-08
3687	482363.09	3851377.25	4.42E-05	5.42E-05	4.75E-05	1.53E-08	4.63E-08	2.68E-08	3.28E-08	2.98E-08	1.36E-08	1.19E-08	5.12E-10	1.24E-08	2.73E-09	4.46E-09	7.07E-09	1.25E-09	7.86E-10	2.92E-08
3688	482863.09	3851377.25	3.44E-05	4.21E-05	3.69E-05	1.19E-08	3.60E-08	2.08E-08	2.55E-08	2.31E-08	1.05E-08	9.25E-09	3.98E-10	9.60E-09	2.12E-09	3.46E-09	5.49E-09	9.68E-10	6.10E-10	2.27E-08
3689	483363.09	3851377.25	2.44E-05	2.98E-05	2.62E-05	8.44E-09	2.55E-08	1.48E-08	1.81E-08	1.64E-08	7.48E-09	6.56E-09	2.82E-10	6.81E-09	1.50E-09	2.45E-09	3.89E-09	6.86E-10	4.33E-10	1.61E-08
3690	483863.09	3851377.25	2.12E-05	2.60E-05	2.28E-05	7.36E-09	2.22E-08	1.29E-08	1.58E-08	1.43E-08	6.52E-09	5.72E-09	2.46E-10	5.94E-09	1.31E-09	2.14E-09	3.39E-09	5.98E-10	3.77E-10	1.40E-08
3691	484363.09	3851377.25	2.66E-05	3.26E-05	2.86E-05	9.22E-09	2.78E-08	1.61E-08	1.97E-08	1.79E-08	8.16E-09	7.16E-09	3.08E-10	7.44E-09	1.64E-09	2.68E-09	4.25E-09	7.49E-10	4.72E-10	1.75E-08
3692	484863.09	3851377.25	1.84E-05	2.26E-05	1.98E-05	6.39E-09	1.93E-08	1.12E-08	1.37E-08	1.24E-08	5.66E-09	4.97E-09	2.13E-10	5.15E-09	1.14E-09	1.86E-09	2.95E-09	5.19E-10	3.28E-10	1.22E-08
3693	485363.09	3851377.25	2.47E-05	3.02E-05	2.65E-05	8.55E-09	2.58E-08	1.49E-08	1.83E-08	1.66E-08	7.57E-09	6.64E-09	2.85E-10	6.89E-09	1.52E-09	2.48E-09	3.94E-09	6.95E-10	4.38E-10	1.63E-08
3694	485863.09	3851377.25	1.99E-05	2.44E-05	2.14E-05	6.91E-09	2.09E-08	1.21E-08	1.48E-08	1.34E-08	6.12E-09	5.37E-09	2.31E-10	5.58E-09	1.23E-09	2.01E-09	3.19E-09	5.62E-10	3.54E-10	1.32E-08
3695	486363.09	3851377.25	2.17E-05	2.66E-05	2.33E-05	7.53E-09	2.27E-08	1.32E-08	1.61E-08	1.46E-08	6.67E-09	5.85E-09	2.51E-10	6.07E-09	1.34E-09	2.19E-09	3.47E-09	6.12E-10	3.86E-10	1.43E-08
3696	486863.09	3851377.25	2.05E-05	2.52E-05	2.21E-05	7.12E-09	2.15E-08	1.24E-08	1.52E-08	1.38E-08	6.30E-09	5.53E-09	2.38E-10	5.74E-09	1.27E-09	2.07E-09	3.28E-09	5.79E-10	3.65E-10	1.35E-08
3697	487363.09	3851377.25	1.77E-05	2.17E-05	1.90E-05	6.15E-09	1.86E-08	1.07E-08	1.32E-08	1.19E-08	5.44E-09	4.77E-09	2.05E-10	4.96E-09	1.09E-09	1.79E-09	2.83E-09	5.00E-10	3.15E-10	1.17E-08
3698	487863.09	3851377.25	1.98E-05	2.43E-05	2.13E-05	6.87E-09	2.08E-08	1.20E-08	1.47E-08	1.33E-08	6.09E-09	5.34E-09	2.30E-10	5.55E-09	1.22E-09	2.00E-09	3.17E-09	5.59E-10	3.52E-10	1.31E-08
3699	488363.09	3851377.25	2.06E-05	2.52E-05	2.21E-05	7.14E-09	2.16E-08	1.25E-08	1.53E-08	1.39E-08	6.32E-09	5.55E-09	2.38E-10	5.76E-09	1.27E-09	2.08E-09	3.29E-09	5.80E-10	3.66E-10	1.36E-08
3700	488863.09	3851377.25	2.09E-05	2.57E-05	2.25E-05	7.26E-09	2.19E-08	1.27E-08	1.55E-08	1.41E-08	6.43E-09	5.64E-09	2.42E-10	5.85E-09	1.29E-09	2.11E-09	3.35E-09	5.90E-10	3.72E-10	1.38E-08
3701	489363.09	3851377.25	2.16E-05	2.65E-05	2.32E-05	7.49E-09	2.26E-08	1.31E-08	1.60E-08	1.45E-08	6.63E-09	5.81E-09	2.50E-10	6.04E-09	1.33E-09	2.18E-09	3.45E-09	6.08E-10	3.83E-10	1.42E-08
3702	489863.09	3851377.25	2.23E-05	2.73E-05	2.39E-05	7.72E-09	2.33E-08	1.35E-08	1.65E-08	1.50E-08	6.84E-09	5.99E-09	2.58E-10	6.23E-09	1.37E-09	2.24E-09	3.56E-09	6.28E-10	3.95E-10	1.47E-08
3703	490363.09	3851377.25	2.31E-05	2.83E-05	2.48E-05	8.00E-09	2.41E-08	1.40E-08	1.71E-08	1.55E-08	7.08E-09	6.21E-09	2.67E-10	6.45E-09	1.42E-09	2.32E-09	3.69E-09	6.50E-10	4.09E-10	1.52E-08
3704	490863.09	3851377.25	2.35E-05	2.88E-05	2.53E-05	8.15E-09	2.46E-08	1.43E-08	1.75E-08	1.58E-08	7.22E-09	6.33E-09	2.72E-10	6.58E-09	1.45E-09	2.37E-09	3.76E-09	6.63E-10	4.17E-10	1.55E-08
3705	491363.09	3851377.25	2.33E-05	2.86E-05	2.50E-05	8.08E-09	2.44E-08	1.41E-08	1.73E-08	1.57E-08	7.16E-09	6.27E-09	2.70E-10	6.52E-09	1.44E-09	2.35E-09	3.73E-09	6.57E-10	4.14E-10	1.54E-08
3706	491863.09	3851377.25	2.33E-05	2.86E-05	2.50E-05	8.08E-09	2.44E-08	1.41E-08	1.73E-08	1.57E-08	7.16E-09	6.27E-09	2.70E-10	6.52E-09	1.44E-09	2.35E-09	3.73E-09	6.57E-10	4.14E-10	1.54E-08
3707	492363.09	3851377.25	2.37E-05	2.90E-05	2.54E-05	8.20E-09	2.48E-08	1.43E-08	1.76E-08	1.59E-08	7.26E-09	6.36E-09	2.74E-10	6.61E-09	1.46E-09	2.38E-09	3.78E-09	6.67E-10	4.20E-10	1.56E-08
3708	492863.09	3851377.25	2.33E-05	2.86E-05	2.51E-05	8.09E-09	2.44E-08	1.41E-08	1.73E-08	1.57E-08	7.17E-09	6.28E-09	2.70E-10	6.53E-09	1.44E-09	2.35E-09	3.73E-09	6.58E-10	4.14E-10	1.54E-08
3709	493363.09	3851377.25	2.12E-05	2.60E-05	2.28E-05	7.36E-09	2.22E-08	1.29E-08	1.58E-08	1.43E-08	6.52E-09	5.71E-09	2.46E-10	5.94E-09	1.31E-09	2.14E-09	3.39E-09	5.98E-10	3.77E-10	1.40E-08
3710	493863.09	3851377.25	2.35E-05	2.88E-05	2.53E-05	8.15E-09	2.46E-08	1.42E-08	1.75E-08	1.58E-08	7.22E-09	6.33E-09	2.72E-10	6.58E-09	1.45E-09	2.37E-09	3.76E-09	6.63E-10	4.17E-10	1.55E-08
3711	494363.09	3851377.25	2.83E-05	3.47E-05	3.04E-05	9.81E-09	2.96E-08	1.71E-08	2.10E-08	1.90E-08	8.69E-09	7.61E-09	3.28E-10	7.91E-09	1.75E-09	2.85E-09	4.52E-09	7.97E-10	5.02E-10	1.87E-08
3712	494863.09	3851377.25	2.97E-05	3.63E-05	3.19E-05	1.03E-08	3.10E-08	1.80E-08	2.20E-08	2.00E-08	9.10E-09	7.98E-09	3.43E-10	8.29E-09	1.83E-09	2.99E-09	4.74E-09	8.35E-10	5.26E-10	1.96E-08
3713	495363.09	3851377.25	3.46E-05	4.24E-05	3.71E-05	1.20E-08	3.62E-08	2.10E-08	2.57E-08	2.33E-08	1.06E-08	9.31E-09	4.00E-10	9.67E-09	2.13E-09	3.48E-09	5.53E-09	9.74E-10	6.14E-10	2.28E-08
3714	495863.09	3851377.25	3.65E-05	4.47E-05	3.92E-05	1.27E-08	3.82E-08	2.21E-08	2.71E-08	2.46E-08	1.12E-08	9.83E-09	4.23E-10	1.02E-08	2.25E-09	3.68E-09	5.84E-09	1.03E-09	6.48E-10	2.41E-08

3715	496363.09	3851377.25	3.75E-05	4.59E-05	4.02E-05	1.30E-08	3.92E-08	2.27E-08	2.78E-08	2.52E-08	1.15E-08	1.01E-08	4.34E-10	1.05E-08	2.31E-09	3.77E-09	5.99E-09	1.06E-09	6.65E-10	2.47E-08
3716	496863.09	3851377.25	3.77E-05	4.62E-05	4.05E-05	1.31E-08	3.94E-08	2.28E-08	2.80E-08	2.54E-08	1.16E-08	1.01E-08	4.36E-10	1.05E-08	2.33E-09	3.80E-09	6.02E-09	1.06E-09	6.69E-10	2.49E-08
3717	497363.09	3851377.25	3.77E-05	4.62E-05	4.05E-05	1.31E-08	3.95E-08	2.28E-08	2.80E-08	2.54E-08	1.16E-08	1.01E-08	4.36E-10	1.05E-08	2.33E-09	3.80E-09	6.03E-09	1.06E-09	6.69E-10	2.49E-08
3718	497863.09	3851377.25	3.70E-05	4.53E-05	3.97E-05	1.28E-08	3.87E-08	2.24E-08	2.74E-08	2.49E-08	1.14E-08	9.95E-09	4.28E-10	1.03E-08	2.28E-09	3.73E-09	5.91E-09	1.04E-09	6.56E-10	2.44E-08
3719	498363.09	3851377.25	3.49E-05	4.28E-05	3.75E-05	1.21E-08	3.65E-08	2.11E-08	2.59E-08	2.35E-08	1.07E-08	9.39E-09	4.04E-10	9.76E-09	2.15E-09	3.52E-09	5.58E-09	9.83E-10	6.20E-10	2.30E-08
3720	471363.09	3851877.25	1.56E-05	1.91E-05	1.67E-05	5.39E-09	1.63E-08	9.43E-09	1.15E-08	1.05E-08	4.78E-09	4.19E-09	1.80E-10	4.35E-09	9.60E-10	1.57E-09	2.49E-09	4.38E-10	2.76E-10	1.03E-08
3721	471863.09	3851877.25	1.53E-05	1.88E-05	1.65E-05	5.32E-09	1.61E-08	9.29E-09	1.14E-08	1.03E-08	4.71E-09	4.13E-09	1.78E-10	4.29E-09	9.46E-10	1.55E-09	2.45E-09	4.32E-10	2.72E-10	1.01E-08
3722	472363.09	3851877.25	1.71E-05	2.09E-05	1.84E-05	5.93E-09	1.79E-08	1.04E-08	1.27E-08	1.15E-08	5.25E-09	4.60E-09	1.98E-10	4.78E-09	1.05E-09	1.72E-09	2.73E-09	4.82E-10	3.04E-10	1.13E-08
3723	472863.09	3851877.25	1.87E-05	2.29E-05	2.01E-05	6.48E-09	1.96E-08	1.13E-08	1.39E-08	1.26E-08	5.74E-09	5.03E-09	2.16E-10	5.22E-09	1.15E-09	1.88E-09	2.99E-09	5.26E-10	3.32E-10	1.23E-08
3724	473363.09	3851877.25	1.81E-05	2.21E-05	1.94E-05	6.26E-09	1.89E-08	1.09E-08	1.34E-08	1.22E-08	5.55E-09	4.87E-09	2.09E-10	5.05E-09	1.11E-09	1.82E-09	2.89E-09	5.09E-10	3.21E-10	1.19E-08
3725	473863.09	3851877.25	1.88E-05	2.30E-05	2.02E-05	6.52E-09	1.97E-08	1.14E-08	1.40E-08	1.26E-08	5.77E-09	5.06E-09	2.18E-10	5.26E-09	1.16E-09	1.89E-09	3.01E-09	5.30E-10	3.34E-10	1.24E-08
3726	474363.09	3851877.25	2.16E-05	2.64E-05	2.32E-05	7.47E-09	2.26E-08	1.31E-08	1.60E-08	1.45E-08	6.62E-09	5.80E-09	2.50E-10	6.03E-09	1.33E-09	2.17E-09	3.45E-09	6.07E-10	3.83E-10	1.42E-08
3727	474863.09	3851877.25	2.40E-05	2.93E-05	2.57E-05	8.30E-09	2.51E-08	1.45E-08	1.78E-08	1.61E-08	7.35E-09	6.44E-09	2.77E-10	6.70E-09	1.48E-09	2.41E-09	3.83E-09	6.75E-10	4.25E-10	1.58E-08
3728	475363.09	3851877.25	2.54E-05	3.11E-05	2.73E-05	8.80E-09	2.66E-08	1.54E-08	1.89E-08	1.71E-08	7.80E-09	6.84E-09	2.94E-10	7.10E-09	1.57E-09	2.56E-09	4.06E-09	7.16E-10	4.51E-10	1.67E-08
3729	475863.09	3851877.25	2.66E-05	3.26E-05	2.86E-05	9.23E-09	2.79E-08	1.61E-08	1.98E-08	1.79E-08	8.17E-09	7.16E-09	3.08E-10	7.44E-09	1.64E-09	2.68E-09	4.25E-09	7.50E-10	4.73E-10	1.76E-08
3730	476363.09	3851877.25	2.71E-05	3.32E-05	2.91E-05	9.39E-09	2.83E-08	1.64E-08	2.01E-08	1.82E-08	8.31E-09	7.29E-09	3.13E-10	7.57E-09	1.67E-09	2.73E-09	4.33E-09	7.63E-10	4.81E-10	1.79E-08
3731	476863.09	3851877.25	2.97E-05	3.64E-05	3.19E-05	1.03E-08	3.11E-08	1.80E-08	2.20E-08	2.00E-08	9.12E-09	8.00E-09	3.44E-10	8.30E-09	1.83E-09	2.99E-09	4.75E-09	8.37E-10	5.27E-10	1.96E-08
3732	477363.09	3851877.25	3.29E-05	4.03E-05	3.54E-05	1.14E-08	3.45E-08	2.00E-08	2.44E-08	2.22E-08	1.01E-08	8.87E-09	3.81E-10	9.21E-09	2.03E-09	3.32E-09	5.26E-09	9.28E-10	5.85E-10	2.17E-08
3733	477863.09	3851877.25	3.64E-05	4.46E-05	3.91E-05	1.26E-08	3.81E-08	2.21E-08	2.70E-08	2.45E-08	1.12E-08	9.80E-09	4.21E-10	1.02E-08	2.25E-09	3.67E-09	5.82E-09	1.03E-09	6.46E-10	2.40E-08
3734	478363.09	3851877.25	3.94E-05	4.83E-05	4.23E-05	1.37E-08	4.13E-08	2.39E-08	2.93E-08	2.65E-08	1.21E-08	1.06E-08	4.56E-10	1.10E-08	2.43E-09	3.97E-09	6.30E-09	1.11E-09	7.00E-10	2.60E-08
3735	478863.09	3851877.25	4.34E-05	5.32E-05	4.66E-05	1.50E-08	4.54E-08	2.63E-08	3.22E-08	2.92E-08	1.33E-08	1.17E-08	5.02E-10	1.21E-08	2.68E-09	4.37E-09	6.94E-09	1.22E-09	7.71E-10	2.86E-08
3736	479363.09	3851877.25	4.67E-05	5.72E-05	5.02E-05	1.62E-08	4.89E-08	2.83E-08	3.47E-08	3.14E-08	1.43E-08	1.26E-08	5.41E-10	1.31E-08	2.88E-09	4.71E-09	7.47E-09	1.32E-09	8.30E-10	3.08E-08
3737	479863.09	3851877.25	4.83E-05	5.91E-05	5.19E-05	1.67E-08	5.05E-08	2.92E-08	3.58E-08	3.25E-08	1.48E-08	1.30E-08	5.59E-10	1.35E-08	2.98E-09	4.86E-09	7.72E-09	1.36E-09	8.58E-10	3.18E-08
3738	480363.09	3851877.25	4.96E-05	6.08E-05	5.34E-05	1.72E-08	5.19E-08	3.01E-08	3.68E-08	3.34E-08	1.52E-08	1.34E-08	5.74E-10	1.39E-08	3.06E-09	5.00E-09	7.93E-09	1.40E-09	8.82E-10	3.27E-08
3739	480863.09	3851877.25	5.63E-05	6.89E-05	6.05E-05	1.95E-08	5.89E-08	3.41E-08	4.17E-08	3.78E-08	1.73E-08	1.51E-08	6.51E-10	1.57E-08	3.47E-09	5.67E-09	8.99E-09	1.58E-09	9.99E-10	3.71E-08
3740	481363.09	3851877.25	6.63E-05	8.12E-05	7.13E-05	2.30E-08	6.94E-08	4.02E-08	4.92E-08	4.46E-08	2.04E-08	1.79E-08	7.68E-10	1.85E-08	4.09E-09	6.68E-09	1.06E-08	1.87E-09	1.18E-09	4.37E-08
3741	481863.09	3851877.25	7.04E-05	8.62E-05	7.57E-05	2.44E-08	7.37E-08	4.26E-08	5.22E-08	4.74E-08	2.16E-08	1.90E-08	8.15E-10	1.97E-08	4.34E-09	7.09E-09	1.13E-08	1.98E-09	1.25E-09	4.64E-08
3742	482363.09	3851877.25	5.66E-05	6.93E-05	6.08E-05	1.96E-08	5.92E-08	3.43E-08	4.20E-08	3.81E-08	1.74E-08	1.52E-08	6.55E-10	1.58E-08	3.49E-09	5.70E-09	9.04E-09	1.59E-09	1.00E-09	3.73E-08
3743	482863.09	3851877.25	3.92E-05	4.80E-05	4.21E-05	1.36E-08	4.10E-08	2.38E-08	2.91E-08	2.64E-08	1.20E-08	1.06E-08	4.54E-10	1.10E-08	2.42E-09	3.95E-09	6.27E-09	1.10E-09	6.96E-10	2.59E-08
3744	483363.09	3851877.25	3.94E-05	4.82E-05	4.23E-05	1.36E-08	4.12E-08	2.38E-08	2.92E-08	2.65E-08	1.21E-08	1.06E-08	4.56E-10	1.10E-08	2.43E-09	3.97E-09	6.29E-09	1.11E-09	6.99E-10	2.60E-08
3745	483863.09	3851877.25	3.58E-05	4.38E-05	3.84E-05	1.24E-08	3.74E-08	2.17E-08	2.65E-08	2.41E-08	1.10E-08	9.63E-09	4.14E-10	1.00E-08	2.21E-09	3.60E-09	5.72E-09	1.01E-09	6.35E-10	2.36E-08
3746	484363.09	3851877.25	3.78E-05	4.63E-05	4.06E-05	1.31E-08	3.96E-08	2.29E-08	2.81E-08	2.54E-08	1.16E-08	1.02E-08	4.38E-10	1.06E-08	2.33E-09	3.81E-09	6.04E-09	1.06E-09	6.71E-10	2.49E-08
3747	484863.09	3851877.25	3.24E-05	3.97E-05	3.48E-05	1.12E-08	3.39E-08	1.96E-08	2.40E-08	2.18E-08	9.94E-09	8.72E-09	3.75E-10	9.05E-09	2.00E-09	3.26E-09	5.17E-09	9.12E-10	5.75E-10	2.13E-08
3748	485363.09	3851877.25	3.31E-05	4.05E-05	3.56E-05	1.15E-08	3.46E-08	2.00E-08	2.46E-08	2.23E-08	1.02E-08	8.91E-09	3.83E-10	9.25E-09	2.04E-09	3.33E-09	5.29E-09	9.32E-10	5.88E-10	2.18E-08
3749	485863.09	3851877.25	3.31E-05	4.06E-05	3.56E-05	1.15E-08	3.47E-08	2.01E-08	2.46E-08	2.23E-08	1.02E-08	8.92E-09	3.83E-10	9.26E-09	2.04E-09	3.34E-09	5.29E-09	9.33E-10	5.88E-10	2.18E-08
3750	486363.09	3851877.25	2.89E-05	3.54E-05	3.10E-05	1.00E-08	3.02E-08	1.75E-08	2.14E-08	1.94E-08	8.86E-09	7.77E-09	3.34E-10	8.07E-09	1.78E-09	2.91E-09	4.62E-09	8.14E-10	5.13E-10	1.90E-08
3751	486863.09	3851877.25	2.86E-05	3.51E-05	3.08E-05	9.92E-09	3.00E-08	1.73E-08	2.12E-08	1.93E-08	8.79E-09	7.71E-09	3.31E-10	8.00E-09	1.77E-09	2.88E-09	4.58E-09	8.06E-10	5.08E-10	1.89E-08
3752	487363.09	3851877.25	2.84E-05	3.48E-05	3.05E-05	9.84E-09	2.97E-08	1.72E-08	2.11E-08	1.91E-08	8.71E-09	7.64E-09	3.28E-10	7.93E-09	1.75E-09	2.86E-09	4.54E-09	8.00E-10	5.04E-10	1.87E-08
3753	487863.09	3851877.25	2.49E-05	3.05E-05	2.67E-05	8.62E-09	2.60E-08	1.51E-08	1.85E-08	1.67E-08	7.63E-09	6.70E-09	2.88E-10	6.95E-09	1.53E-09	2.51E-09	3.98E-09	7.01E-10	4.42E-10	1.64E-08
3754	488363.09	3851877.25	2.59E-05	3.17E-05	2.78E-05	8.97E-09	2.71E-08	1.57E-08	1.92E-08	1.74E-08	7.95E-09	6.97E-09	3.00E-10	7.24E-09	1.60E-09	2.61E-09	4.14E-09	7.29E-10	4.60E-10	1.71E-08
3755	488863.09	3851877.25	2.58E-05	3.16E-05	2.77E-05	8.93E-09	2.70E-08	1.56E-08	1.91E-08	1.73E-08	7.91E-09	6.93E-09	2.98E-10	7.20E-09	1.59E-09	2.60E-09	4.12E-09	7.26E-10	4.57E-10	1.70E-08
3756	489363.09	3851877.25	2.61E-05	3.19E-05	2.80E-05	9.04E-09	2.73E-08	1.58E-08	1.94E-08	1.75E-08	8.00E-09	7.01E-09	3.02E-10	7.29E-09	1.61E-09	2.63E-09	4.17E-09	7.35E-10	4.63E-10	1.72E-08
3757	489863.09	3851877.25	2.69E-05	3.30E-05	2.89E-05	9.33E-09	2.82E-08	1.63E-08	2.00E-08	1.81E-08	8.27E-09	7.24E-09	3.12E-10	7.53E-09	1.66E-09	2.71E-09	4.30E-09	7.59E-10	4.78E-10	1.78E-08
3758	490363.09	3851877.25	2.86E-05	3.51E-05	3.07E-05	9.92E-09	3.00E-08	1.73E-08	2.12E-08	1.93E-08	8.79E-09	7.70E-09	3.31E-10	8.00E-09	1.77E-09	2.88E-09	4.58E-09	8.06E-10	5.08E-10	1.89E-08
3759	490863.09	3851877.25	3.06E-05	3.75E-05	3.28E-05	1.06E-08	3.20E-08	1.85E-08	2.27E-08	2.06E-08	9.39E-09	8.23E-09	3.54E-10	8.55E-09	1.89E-09	3.08E-09	4.89E-09	8.62E-10	5.43E-10	2.02E-08
3760	491363.09	3851877.25	3.27E-05	4.00E-05	3.51E-05	1.13E-08	3.42E-08	1.98E-08	2.42E-08	2.20E-08	1.00E-08	8.79E-09	3.78E-10	9.13E-09	2.02E-09	3.29E-09	5.22E-09	9.20E-10	5.79E-10	2.15E-08
3761	491863.09	3851877.25	3.41E-05	4.17E-05	3.66E-05	1.18E-08	3.57E-08	2.06E-08	2.53E-08	2.29E-08	1.05E-08	9.16E-09	3.94E-10	9.53E-09	2.10E-09	3.43E-09	5.45E-09	9.60E-10	6.04E-10	2.25E-08
3762	492363.09	3851877.25	3.34E-05	4.09E-05	3.58E-05	1.16E-08	3.49E-08	2.02E-08	2.48E-08	2.25E-08	1.02E-08	8.98E-09	3.86E-10	9.33E-09	2.06E-09	3.36E-09	5.34E-09	9.41E-10	5.92E-10	2.20E-08
3763	492863.09	3851877.25	2.90E-05	3.56E-05	3.12E-05	1.01E-08	3.04E-08	1.76E-08	2.15E-08	1.95E-08	8.91E-09	7.81E-09	3.36E-10	8.11E-09	1.79E-09	2.92E-09	4.64E-09	8.18E-10	5.15E-10	1.91E-08
3764	493363.09	3851877.25	3.51E-05	4.30E-05	3.77E-05	1.22E-08	3.68E-08	2.13E-08	2.61E-08	2.36E-08	1.08E-08	9.45E-09	4.07E-10	9.82E-09	2.17E-09	3.54E-09	5.61E-09	9.90E-10	6.23E-10	2.32E-08
3765	493863.09	3851877.25	4.20E-05	5.14E-05	4.51E-05	1.45E-08	4.39E-08	2.54E-08	3.11E-08	2.82E-08	1.29E-08	1.13E-08	4.86E-10	1.17E-08	2.59E-09	4.23E-09	6.71E-09	1.18E-09	7.45E-10	2.77E-08
3766	494363.09	3851877.25	4.08E-05	5.00E-05	4.38E-05	1.41E-08	4.27E-08	2.47E-08	3.03E-08	2.74E-08	1.25E-08	1.10E-08	4.72E-10	1.14E-08	2.52E-09	4.11E-09	6.52E-09	1.15E-09	7.24E-10	2.69E-08
3767	494863.09	3851877.25	4.51E-05	5.53E-05	4.85E-05	1.56E-08	4.72E-08	2.73E-08	3.35E-08	3.04E-08	1.39E-08	1.21E-08	5.22E-10	1.26E-08	2.78E-09	4.55E-09	7.21E-09	1.27E-09	8.01E-10	2.98E-08
3768	495363.09	3851877.25	4.78E-05	5.85E-05	5.13E-05	1.66E-08	5.00E-08	2.90E-08	3.55E-08	3.21E-08	1.47E-08	1.29E-08	5.53E-10	1.34E-08	2.95E-09	4.82E-09	7.64E-09	1.35E-09	8.48E-10	3.15E-08
3769	495863.09	3851877.25	4.93E-05	6.03E-05	5.29E-05	1.71E-08	5.16E-08	2.98E-08	3.66E-08	3.31E-08	1.51E-08	1.33E-08	5.70E-10	1.38E-08	3.04E-09	4.96E-09	7.87E-09	1.39E-09	8.74E-10	3.25E-08
3770	496363.09	3851877.25	4.85E-05	5.94E-05	5.21E-05	1.68E-08	5.07E-08	2.94E-08	3.60E-08	3.26E-08	1.49E-08	1.30E-08	5.61E-10	1.36E-08	2.99E-09	4.89E-09	7.75E-09	1.37E-09	8.61E-10	3.20E-08
3771	496863.09	3851877.25	4.73E-05	5.79E-05	5.08E-05	1.64E-08	4.95E-08	2.86E-08	3.51E-08	3.18E-08	1.45E-08	1.27E-08	5.47E-10	1.32E-08	2.92E-09	4.76E-09	7.56E-09	1.33E-09	8.39E-10	3.12E-08
3772	497363.09	3851877.25	4.57E-05	5.60E-05	4.91E-05	1.58E-08	4.78E-08	2.77E-08	3.39E-08	3.07E-08	1.40E-08	1.23E-08	5.29E-10	1.28E-08	2.82E-09	4.60E-09	7.30E-09	1.29E-09	8.11E-10	3.01E-08
3773	497863.09	3851877.25	4.25E-05	5.20E-05	4.56E-05	1.47E-08	4.44E-08	2.57E-08	3.15E-08	2.86E-08	1.30E-08	1.14E-08	4.91E-10	1.19E-08	2.62E-09	4.28E-09	6.79E-09	1.20E-09	7.54E-10	2.80E-08
3774	498363.09	3851877.25	3.95E-05	4.84E-05	4.25E-05	1.37E-08	4.14E-08	2.40E-08	2.93E-08	2.66E-08	1.21E-08	1.06E-08	4.58E-10	1.11E-08	2.44E-09	3.98E-09	6.32E-09	1.11E-09	7.02E-10	2.61E-08
3775	471363.09	3852377.25	1.45E-05	1.78E-05	1.56E-05	5.03E-09	1.52E-08	8.80E-09	1.08E-08	9.77E-09	4.46E-09	3.91E-09	1.68E-10	4.06E-09	8.96E-10	1.46E-09	2.32E-09	4.09E-10	2.58E-10	9.58E-09

3776	471863.09	3852377.25	1.66E-05	2.03E-05	1.78E-05	5.74E-09	1.73E-08	1.00E-08	1.23E-08	1.11E-08	5.08E-09	4.45E-09	1.92E-10	4.63E-09	1.02E-09	1.67E-09	2.65E-09	4.66E-10	2.94E-10	1.09E-08
3777	472363.09	3852377.25	1.80E-05	2.21E-05	1.93E-05	6.24E-09	1.88E-08	1.09E-08	1.34E-08	1.21E-08	5.53E-09	4.84E-09	2.08E-10	5.03E-09	1.11E-09	1.81E-09	2.88E-09	5.07E-10	3.20E-10	1.19E-08
3778	472863.09	3852377.25	1.93E-05	2.36E-05	2.07E-05	6.68E-09	2.02E-08	1.17E-08	1.43E-08	1.30E-08	5.91E-09	5.18E-09	2.23E-10	5.39E-09	1.19E-09	1.94E-09	3.08E-09	5.43E-10	3.42E-10	1.27E-08
3779	473363.09	3852377.25	2.01E-05	2.46E-05	2.16E-05	6.97E-09	2.10E-08	1.22E-08	1.49E-08	1.35E-08	6.17E-09	5.41E-09	2.33E-10	5.62E-09	1.24E-09	2.03E-09	3.21E-09	5.66E-10	3.57E-10	1.33E-08
3780	473863.09	3852377.25	2.06E-05	2.52E-05	2.21E-05	7.13E-09	2.15E-08	1.25E-08	1.53E-08	1.38E-08	6.31E-09	5.54E-09	2.38E-10	5.75E-09	1.27E-09	2.07E-09	3.29E-09	5.79E-10	3.65E-10	1.36E-08
3781	474363.09	3852377.25	2.13E-05	2.61E-05	2.29E-05	7.38E-09	2.23E-08	1.29E-08	1.58E-08	1.43E-08	6.54E-09	5.73E-09	2.47E-10	5.95E-09	1.31E-09	2.15E-09	3.40E-09	6.00E-10	3.78E-10	1.40E-08
3782	474863.09	3852377.25	2.58E-05	3.16E-05	2.77E-05	8.94E-09	2.70E-08	1.56E-08	1.91E-08	1.73E-08	7.91E-09	6.94E-09	2.98E-10	7.21E-09	1.59E-09	2.60E-09	4.12E-09	7.26E-10	4.58E-10	1.70E-08
3783	475363.09	3852377.25	2.69E-05	3.30E-05	2.89E-05	9.34E-09	2.82E-08	1.63E-08	2.00E-08	1.81E-08	8.27E-09	7.25E-09	3.12E-10	7.53E-09	1.66E-09	2.71E-09	4.31E-09	7.59E-10	4.78E-10	1.78E-08
3784	475863.09	3852377.25	2.81E-05	3.44E-05	3.01E-05	9.72E-09	2.94E-08	1.70E-08	2.08E-08	1.89E-08	8.61E-09	7.55E-09	3.25E-10	7.84E-09	1.73E-09	2.83E-09	4.48E-09	7.90E-10	4.98E-10	1.85E-08
3785	476363.09	3852377.25	2.87E-05	3.51E-05	3.08E-05	9.94E-09	3.00E-08	1.74E-08	2.13E-08	1.93E-08	8.80E-09	7.71E-09	3.32E-10	8.02E-09	1.77E-09	2.89E-09	4.58E-09	8.08E-10	5.09E-10	1.89E-08
3786	476863.09	3852377.25	3.04E-05	3.72E-05	3.26E-05	1.05E-08	3.18E-08	1.84E-08	2.25E-08	2.04E-08	9.32E-09	8.17E-09	3.51E-10	8.49E-09	1.87E-09	3.06E-09	4.85E-09	8.56E-10	5.39E-10	2.00E-08
3787	477363.09	3852377.25	3.15E-05	3.86E-05	3.38E-05	1.09E-08	3.30E-08	1.91E-08	2.34E-08	2.12E-08	9.67E-09	8.48E-09	3.65E-10	8.81E-09	1.94E-09	3.17E-09	5.04E-09	8.87E-10	5.59E-10	2.08E-08
3788	477863.09	3852377.25	2.95E-05	3.62E-05	3.17E-05	1.02E-08	3.09E-08	1.79E-08	2.19E-08	1.99E-08	9.07E-09	7.95E-09	3.42E-10	8.26E-09	1.82E-09	2.98E-09	4.72E-09	8.32E-10	5.24E-10	1.95E-08
3789	478363.09	3852377.25	2.90E-05	3.56E-05	3.12E-05	1.01E-08	3.04E-08	1.76E-08	2.15E-08	1.95E-08	8.91E-09	7.81E-09	3.36E-10	8.12E-09	1.79E-09	2.93E-09	4.64E-09	8.18E-10	5.15E-10	1.91E-08
3790	478863.09	3852377.25	3.82E-05	4.68E-05	4.10E-05	1.32E-08	3.99E-08	2.31E-08	2.83E-08	2.57E-08	1.17E-08	1.03E-08	4.42E-10	1.07E-08	2.35E-09	3.85E-09	6.10E-09	1.08E-09	6.78E-10	2.52E-08
3791	479363.09	3852377.25	4.59E-05	5.62E-05	4.93E-05	1.59E-08	4.80E-08	2.78E-08	3.41E-08	3.09E-08	1.41E-08	1.24E-08	5.31E-10	1.28E-08	2.83E-09	4.62E-09	7.34E-09	1.29E-09	8.15E-10	3.03E-08
3792	479863.09	3852377.25	5.55E-05	6.80E-05	5.96E-05	1.92E-08	5.81E-08	3.36E-08	4.12E-08	3.73E-08	1.70E-08	1.49E-08	6.42E-10	1.55E-08	3.42E-09	5.59E-09	8.87E-09	1.56E-09	9.85E-10	3.66E-08
3793	480363.09	3852377.25	6.05E-05	7.42E-05	6.51E-05	2.10E-08	6.34E-08	3.67E-08	4.49E-08	4.07E-08	1.86E-08	1.63E-08	7.01E-10	1.69E-08	3.73E-09	6.10E-09	9.68E-09	1.71E-09	1.08E-09	3.99E-08
3794	480863.09	3852377.25	6.28E-05	7.70E-05	6.75E-05	2.18E-08	6.58E-08	3.81E-08	4.66E-08	4.23E-08	1.93E-08	1.69E-08	7.27E-10	1.76E-08	3.88E-09	6.33E-09	1.00E-08	1.77E-09	1.12E-09	4.14E-08
3795	481363.09	3852377.25	7.11E-05	8.71E-05	7.65E-05	2.46E-08	7.44E-08	4.31E-08	5.28E-08	4.78E-08	2.18E-08	1.92E-08	8.23E-10	1.99E-08	4.39E-09	7.17E-09	1.14E-08	2.00E-09	1.26E-09	4.69E-08
3796	481863.09	3852377.25	8.40E-05	1.03E-04	9.02E-05	2.91E-08	8.79E-08	5.09E-08	6.23E-08	5.65E-08	2.58E-08	2.26E-08	9.72E-10	2.35E-08	5.18E-09	8.46E-09	1.34E-08	2.37E-09	1.49E-09	5.54E-08
3797	482363.09	3852377.25	8.82E-05	1.08E-04	9.48E-05	3.06E-08	9.23E-08	5.35E-08	6.55E-08	5.94E-08	2.71E-08	2.38E-08	1.02E-09	2.47E-08	5.44E-09	8.89E-09	1.41E-08	2.49E-09	1.57E-09	5.82E-08
3798	482863.09	3852377.25	7.96E-05	9.75E-05	8.55E-05	2.76E-08	8.33E-08	4.82E-08	5.91E-08	5.35E-08	2.44E-08	2.14E-08	9.21E-10	2.23E-08	4.91E-09	8.02E-09	1.27E-08	2.24E-09	1.41E-09	5.25E-08
3799	483363.09	3852377.25	5.82E-05	7.13E-05	6.25E-05	2.02E-08	6.09E-08	3.52E-08	4.32E-08	3.91E-08	1.79E-08	1.57E-08	6.73E-10	1.63E-08	3.59E-09	5.86E-09	9.30E-09	1.64E-09	1.03E-09	3.84E-08
3800	483863.09	3852377.25	4.77E-05	5.85E-05	5.13E-05	1.65E-08	4.99E-08	2.89E-08	3.54E-08	3.21E-08	1.47E-08	1.28E-08	5.52E-10	1.33E-08	2.94E-09	4.81E-09	7.63E-09	1.34E-09	8.47E-10	3.15E-08
3801	484363.09	3852377.25	5.25E-05	6.43E-05	5.64E-05	1.82E-08	5.49E-08	3.18E-08	3.89E-08	3.53E-08	1.61E-08	1.41E-08	6.07E-10	1.47E-08	3.24E-09	5.29E-09	8.39E-09	1.48E-09	9.32E-10	3.46E-08
3802	484863.09	3852377.25	5.29E-05	6.48E-05	5.69E-05	1.83E-08	5.53E-08	3.20E-08	3.93E-08	3.56E-08	1.62E-08	1.43E-08	6.12E-10	1.48E-08	3.26E-09	5.33E-09	8.45E-09	1.49E-09	9.40E-10	3.49E-08
3803	485363.09	3852377.25	5.47E-05	6.71E-05	5.89E-05	1.90E-08	5.73E-08	3.32E-08	4.06E-08	3.68E-08	1.68E-08	1.47E-08	6.33E-10	1.53E-08	3.38E-09	5.51E-09	8.75E-09	1.54E-09	9.73E-10	3.61E-08
3804	485863.09	3852377.25	4.96E-05	6.07E-05	5.33E-05	1.72E-08	5.19E-08	3.00E-08	3.68E-08	3.33E-08	1.52E-08	1.34E-08	5.74E-10	1.39E-08	3.06E-09	4.99E-09	7.92E-09	1.40E-09	8.81E-10	3.27E-08
3805	486363.09	3852377.25	4.15E-05	5.08E-05	4.46E-05	1.44E-08	4.34E-08	2.51E-08	3.08E-08	2.79E-08	1.27E-08	1.12E-08	4.80E-10	1.16E-08	2.56E-09	4.18E-09	6.63E-09	1.17E-09	7.37E-10	2.74E-08
3806	486863.09	3852377.25	3.91E-05	4.79E-05	4.20E-05	1.35E-08	4.09E-08	2.37E-08	2.90E-08	2.63E-08	1.20E-08	1.05E-08	4.52E-10	1.09E-08	2.41E-09	3.94E-09	6.25E-09	1.10E-09	6.94E-10	2.58E-08
3807	487363.09	3852377.25	3.60E-05	4.41E-05	3.87E-05	1.25E-08	3.76E-08	2.18E-08	2.67E-08	2.42E-08	1.10E-08	9.69E-09	4.16E-10	1.01E-08	2.22E-09	3.62E-09	5.75E-09	1.01E-09	6.39E-10	2.37E-08
3808	487863.09	3852377.25	3.44E-05	4.21E-05	3.69E-05	1.19E-08	3.60E-08	2.08E-08	2.55E-08	2.31E-08	1.06E-08	9.25E-09	3.98E-10	9.61E-09	2.12E-09	3.46E-09	5.49E-09	9.68E-10	6.10E-10	2.27E-08
3809	488363.09	3852377.25	3.37E-05	4.13E-05	3.62E-05	1.17E-08	3.52E-08	2.04E-08	2.50E-08	2.27E-08	1.03E-08	9.06E-09	3.90E-10	9.41E-09	2.08E-09	3.39E-09	5.38E-09	9.49E-10	5.98E-10	2.22E-08
3810	488863.09	3852377.25	3.27E-05	4.00E-05	3.51E-05	1.13E-08	3.42E-08	1.98E-08	2.43E-08	2.20E-08	1.00E-08	8.79E-09	3.78E-10	9.14E-09	2.02E-09	3.29E-09	5.22E-09	9.21E-10	5.80E-10	2.16E-08
3811	489363.09	3852377.25	3.28E-05	4.02E-05	3.52E-05	1.14E-08	3.43E-08	1.99E-08	2.43E-08	2.20E-08	1.01E-08	8.82E-09	3.79E-10	9.16E-09	2.02E-09	3.30E-09	5.24E-09	9.23E-10	5.81E-10	2.16E-08
3812	489863.09	3852377.25	3.15E-05	3.86E-05	3.38E-05	1.09E-08	3.30E-08	1.91E-08	2.34E-08	2.12E-08	9.68E-09	8.48E-09	3.65E-10	8.81E-09	1.94E-09	3.18E-09	5.04E-09	8.88E-10	5.59E-10	2.08E-08
3813	490363.09	3852377.25	3.63E-05	4.45E-05	3.89E-05	1.26E-08	3.80E-08	2.20E-08	2.69E-08	2.44E-08	1.11E-08	9.76E-09	4.20E-10	1.01E-08	2.24E-09	3.66E-09	5.80E-09	1.02E-09	6.44E-10	2.39E-08
3814	490863.09	3852377.25	4.01E-05	4.91E-05	4.30E-05	1.39E-08	4.20E-08	2.43E-08	2.98E-08	2.70E-08	1.23E-08	1.08E-08	4.64E-10	1.12E-08	2.47E-09	4.04E-09	6.41E-09	1.13E-09	7.11E-10	2.64E-08
3815	491363.09	3852377.25	4.81E-05	5.89E-05	5.16E-05	1.67E-08	5.03E-08	2.91E-08	3.57E-08	3.24E-08	1.48E-08	1.29E-08	5.57E-10	1.34E-08	2.97E-09	4.85E-09	7.69E-09	1.35E-09	8.53E-10	3.17E-08
3816	491863.09	3852377.25	5.00E-05	6.12E-05	5.37E-05	1.73E-08	5.23E-08	3.03E-08	3.71E-08	3.36E-08	1.53E-08	1.34E-08	5.79E-10	1.40E-08	3.08E-09	5.04E-09	7.99E-09	1.41E-09	8.87E-10	3.30E-08
3817	492363.09	3852377.25	5.09E-05	6.24E-05	5.47E-05	1.77E-08	5.33E-08	3.09E-08	3.78E-08	3.43E-08	1.56E-08	1.37E-08	5.90E-10	1.42E-08	3.14E-09	5.13E-09	8.14E-09	1.43E-09	9.04E-10	3.36E-08
3818	492863.09	3852377.25	5.46E-05	6.68E-05	5.86E-05	1.89E-08	5.71E-08	3.31E-08	4.05E-08	3.67E-08	1.67E-08	1.47E-08	6.32E-10	1.53E-08	3.37E-09	5.50E-09	8.72E-09	1.54E-09	9.68E-10	3.60E-08
3819	493363.09	3852377.25	6.08E-05	7.44E-05	6.52E-05	2.11E-08	6.36E-08	3.68E-08	4.51E-08	4.09E-08	1.86E-08	1.63E-08	7.03E-10	1.70E-08	3.75E-09	6.12E-09	9.71E-09	1.71E-09	1.08E-09	4.01E-08
3820	493863.09	3852377.25	6.01E-05	7.36E-05	6.45E-05	2.08E-08	6.29E-08	3.64E-08	4.46E-08	4.04E-08	1.84E-08	1.62E-08	6.95E-10	1.68E-08	3.71E-09	6.05E-09	9.60E-09	1.69E-09	1.07E-09	3.96E-08
3821	494363.09	3852377.25	5.94E-05	7.28E-05	6.38E-05	2.06E-08	6.22E-08	3.60E-08	4.41E-08	4.00E-08	1.82E-08	1.60E-08	6.87E-10	1.66E-08	3.66E-09	5.98E-09	9.49E-09	1.67E-09	1.05E-09	3.92E-08
3822	494863.09	3852377.25	6.23E-05	7.63E-05	6.69E-05	2.16E-08	6.52E-08	3.77E-08	4.62E-08	4.19E-08	1.91E-08	1.68E-08	7.21E-10	1.74E-08	3.84E-09	6.28E-09	9.96E-09	1.75E-09	1.11E-09	4.11E-08
3823	495363.09	3852377.25	6.51E-05	7.97E-05	6.99E-05	2.26E-08	6.81E-08	3.94E-08	4.83E-08	4.38E-08	2.00E-08	1.75E-08	7.53E-10	1.82E-08	4.01E-09	6.56E-09	1.04E-08	1.83E-09	1.16E-09	4.29E-08
3824	495863.09	3852377.25	6.23E-05	7.64E-05	6.69E-05	2.16E-08	6.52E-08	3.78E-08	4.63E-08	4.19E-08	1.91E-08	1.68E-08	7.21E-10	1.74E-08	3.85E-09	6.28E-09	9.96E-09	1.76E-09	1.11E-09	4.11E-08
3825	496363.09	3852377.25	5.94E-05	7.27E-05	6.38E-05	2.06E-08	6.21E-08	3.60E-08	4.41E-08	3.99E-08	1.82E-08	1.60E-08	6.87E-10	1.66E-08	3.66E-09	5.98E-09	9.49E-09	1.67E-09	1.05E-09	3.91E-08
3826	496863.09	3852377.25	5.73E-05	7.02E-05	6.16E-05	1.99E-08	6.00E-08	3.47E-08	4.25E-08	3.86E-08	1.76E-08	1.54E-08	6.63E-10	1.60E-08	3.54E-09	5.78E-09	9.16E-09	1.61E-09	1.02E-09	3.78E-08
3827	497363.09	3852377.25	5.19E-05	6.36E-05	5.58E-05	1.80E-08	5.43E-08	3.15E-08	3.85E-08	3.49E-08	1.59E-08	1.40E-08	6.01E-10	1.45E-08	3.20E-09	5.23E-09	8.30E-09	1.46E-09	9.22E-10	3.42E-08
3828	497863.09	3852377.25	4.67E-05	5.72E-05	5.01E-05	1.62E-08	4.88E-08	2.83E-08	3.46E-08	3.14E-08	1.43E-08	1.26E-08	5.40E-10	1.30E-08	2.88E-09	4.70E-09	7.46E-09	1.31E-09	8.29E-10	3.08E-08
3829	498363.09	3852377.25	4.20E-05	5.15E-05	4.51E-05	1.46E-08	4.40E-08	2.54E-08	3.12E-08	2.83E-08	1.29E-08	1.13E-08	4.86E-10	1.17E-08	2.59E-09	4.23E-09	6.71E-09	1.18E-09	7.45E-10	2.77E-08
3830	471363.09	3852877.25	1.50E-05	1.83E-05	1.61E-05	5.18E-09	1.56E-08	9.06E-09	1.11E-08	1.01E-08	4.59E-09	4.02E-09	1.73E-10	4.18E-09	9.22E-10	1.51E-09	2.39E-09	4.21E-10	2.65E-10	9.86E-09
3831	471863.09	3852877.25	1.66E-05	2.03E-05	1.78E-05	5.75E-09	1.73E-08	1.00E-08	1.23E-08	1.12E-08	5.09E-09	4.46E-09	1.92E-10	4.63E-09	1.02E-09	1.67E-09	2.65E-09	4.67E-10	2.94E-10	1.09E-08
3832	472363.09	3852877.25	1.83E-05	2.24E-05	1.96E-05	6.33E-09	1.91E-08	1.11E-08	1.36E-08	1.23E-08	5.61E-09	4.91E-09	2.11E-10	5.11E-09	1.13E-09	1.84E-09	2.92E-09	5.14E-10	3.24E-10	1.20E-08
3833	472863.09	3852877.25	1.98E-05	2.43E-05	2.13E-05	6.88E-09	2.08E-08	1.20E-08	1.47E-08	1.33E-08	6.09E-09	5.34E-09	2.30E-10	5.55E-09	1.22E-09	2.00E-09	3.17E-09	5.59E-10	3.52E-10	1.31E-08
3834	473363.09	3852877.25	2.16E-05	2.65E-05	2.32E-05	7.49E-09	2.26E-08	1.31E-08	1.60E-08	1.45E-08	6.64E-09	5.82E-09	2.50E-10	6.05E-09	1.33E-09	2.18E-09	3.46E-09	6.09E-10	3.84E-10	1.43E-08
3835	473863.09	3852877.25	2.38E-05	2.91E-05	2.55E-05	8.23E-09	2.49E-08	1.44E-08	1.76E-08	1.60E-08	7.29E-09	6.39E-09	2.75E-10	6.64E-09	1.47E-09	2.39E-09	3.80E-09	6.69E-10	4.21E-10	1.57E-08
3836	474363.09	3852877.25	2.59E-05	3.18E-05	2.78E-05	8.99E-09	2.71E-08	1.57E-08	1.92E-08	1.74E-08	7.96E-09	6.98E-09	3.00E-10	7.25E-09	1.60E-09	2.61E-09	4.14E-09	7.31E-10	4.60E-10	1.71E-08

3837	474863.09	3852877.25	2.54E-05	3.11E-05	2.73E-05	8.80E-09	2.66E-08	1.54E-08	1.89E-08	1.71E-08	7.80E-09	6.83E-09	2.94E-10	7.10E-09	1.57E-09	2.56E-09	4.06E-09	7.16E-10	4.51E-10	1.67E-08
3838	475363.09	3852877.25	2.78E-05	3.41E-05	2.99E-05	9.65E-09	2.91E-08	1.69E-08	2.07E-08	1.87E-08	8.54E-09	7.49E-09	3.22E-10	7.78E-09	1.72E-09	2.80E-09	4.45E-09	7.84E-10	4.94E-10	1.84E-08
3839	475863.09	3852877.25	2.90E-05	3.55E-05	3.12E-05	1.01E-08	3.04E-08	1.76E-08	2.15E-08	1.95E-08	8.90E-09	7.81E-09	3.36E-10	8.11E-09	1.79E-09	2.92E-09	4.64E-09	8.17E-10	5.15E-10	1.91E-08
3840	476363.09	3852877.25	2.83E-05	3.47E-05	3.04E-05	9.81E-09	2.96E-08	1.71E-08	2.10E-08	1.90E-08	8.69E-09	7.62E-09	3.27E-10	7.91E-09	1.75E-09	2.85E-09	4.52E-09	7.97E-10	5.02E-10	1.87E-08
3841	476863.09	3852877.25	2.59E-05	3.17E-05	2.78E-05	8.97E-09	2.71E-08	1.57E-08	1.92E-08	1.74E-08	7.95E-09	6.97E-09	3.00E-10	7.24E-09	1.60E-09	2.61E-09	4.14E-09	7.29E-10	4.60E-10	1.71E-08
3842	477363.09	3852877.25	2.42E-05	2.96E-05	2.60E-05	8.39E-09	2.53E-08	1.47E-08	1.80E-08	1.63E-08	7.43E-09	6.51E-09	2.80E-10	6.77E-09	1.49E-09	2.44E-09	3.87E-09	6.82E-10	4.30E-10	1.60E-08
3843	477863.09	3852877.25	2.21E-05	2.71E-05	2.38E-05	7.67E-09	2.32E-08	1.34E-08	1.64E-08	1.49E-08	6.80E-09	5.96E-09	2.56E-10	6.19E-09	1.37E-09	2.23E-09	3.54E-09	6.24E-10	3.93E-10	1.46E-08
3844	478363.09	3852877.25	1.73E-05	2.12E-05	1.86E-05	5.99E-09	1.81E-08	1.05E-08	1.28E-08	1.16E-08	5.31E-09	4.65E-09	2.00E-10	4.83E-09	1.07E-09	1.74E-09	2.76E-09	4.87E-10	3.07E-10	1.14E-08
3845	478863.09	3852877.25	2.12E-05	2.60E-05	2.28E-05	7.35E-09	2.22E-08	1.28E-08	1.57E-08	1.43E-08	6.51E-09	5.70E-09	2.45E-10	5.93E-09	1.31E-09	2.14E-09	3.39E-09	5.97E-10	3.76E-10	1.40E-08
3846	479363.09	3852877.25	3.06E-05	3.75E-05	3.29E-05	1.06E-08	3.20E-08	1.85E-08	2.27E-08	2.06E-08	9.39E-09	8.23E-09	3.54E-10	8.55E-09	1.89E-09	3.08E-09	4.89E-09	8.62E-10	5.43E-10	2.02E-08
3847	479863.09	3852877.25	5.37E-05	6.58E-05	5.77E-05	1.86E-08	5.62E-08	3.25E-08	3.99E-08	3.61E-08	1.65E-08	1.45E-08	6.22E-10	1.50E-08	3.31E-09	5.41E-09	8.59E-09	1.51E-09	9.54E-10	3.54E-08
3848	480363.09	3852877.25	7.14E-05	8.74E-05	7.67E-05	2.47E-08	7.47E-08	4.32E-08	5.29E-08	4.80E-08	2.19E-08	1.92E-08	8.26E-10	1.99E-08	4.40E-09	7.19E-09	1.14E-08	2.01E-09	1.27E-09	4.70E-08
3849	480863.09	3852877.25	7.96E-05	9.75E-05	8.55E-05	2.76E-08	8.33E-08	4.82E-08	5.91E-08	5.35E-08	2.44E-08	2.14E-08	9.21E-10	2.23E-08	4.91E-09	8.02E-09	1.27E-08	2.24E-09	1.41E-09	5.25E-08
3850	481363.09	3852877.25	8.43E-05	1.03E-04	9.06E-05	2.92E-08	8.82E-08	5.11E-08	6.26E-08	5.67E-08	2.59E-08	2.27E-08	9.76E-10	2.36E-08	5.20E-09	8.49E-09	1.35E-08	2.37E-09	1.50E-09	5.56E-08
3851	481863.09	3852877.25	9.67E-05	1.19E-04	1.04E-04	3.35E-08	1.01E-07	5.86E-08	7.18E-08	6.51E-08	2.97E-08	2.61E-08	1.12E-09	2.70E-08	5.97E-09	9.75E-09	1.55E-08	2.73E-09	1.72E-09	6.38E-08
3852	482363.09	3852877.25	1.14E-04	1.40E-04	1.23E-04	3.96E-08	1.20E-07	6.92E-08	8.48E-08	7.69E-08	3.51E-08	3.08E-08	1.32E-09	3.19E-08	7.05E-09	1.15E-08	1.83E-08	3.22E-09	2.03E-09	7.53E-08
3853	482863.09	3852877.25	1.23E-04	1.50E-04	1.32E-04	4.25E-08	1.28E-07	7.42E-08	9.09E-08	8.24E-08	3.76E-08	3.30E-08	1.42E-09	3.43E-08	7.56E-09	1.23E-08	1.96E-08	3.45E-09	2.18E-09	8.08E-08
3854	483363.09	3852877.25	1.05E-04	1.29E-04	1.13E-04	3.64E-08	1.10E-07	6.36E-08	7.80E-08	7.07E-08	3.23E-08	2.83E-08	1.22E-09	2.94E-08	6.48E-09	1.06E-08	1.68E-08	2.96E-09	1.87E-09	6.93E-08
3855	483863.09	3852877.25	7.69E-05	9.42E-05	8.26E-05	2.66E-08	8.05E-08	4.66E-08	5.71E-08	5.17E-08	2.36E-08	2.07E-08	8.90E-10	2.15E-08	4.74E-09	7.75E-09	1.23E-08	2.17E-09	1.37E-09	5.07E-08
3856	484363.09	3852877.25	8.65E-05	1.06E-04	9.31E-05	3.00E-08	9.06E-08	5.24E-08	6.42E-08	5.82E-08	2.66E-08	2.33E-08	1.00E-09	2.42E-08	5.34E-09	8.72E-09	1.38E-08	2.44E-09	1.54E-09	5.71E-08
3857	484863.09	3852877.25	8.91E-05	1.09E-04	9.58E-05	3.09E-08	9.32E-08	5.40E-08	6.61E-08	5.99E-08	2.73E-08	2.40E-08	1.03E-09	2.49E-08	5.49E-09	8.98E-09	1.42E-08	2.51E-09	1.58E-09	5.87E-08
3858	485363.09	3852877.25	6.44E-05	7.90E-05	6.93E-05	2.23E-08	6.74E-08	3.90E-08	4.78E-08	4.34E-08	1.98E-08	1.74E-08	7.46E-10	1.80E-08	3.98E-09	6.49E-09	1.03E-08	1.82E-09	1.15E-09	4.25E-08
3859	485863.09	3852877.25	5.76E-05	7.06E-05	6.20E-05	2.00E-08	6.03E-08	3.49E-08	4.28E-08	3.88E-08	1.77E-08	1.55E-08	6.67E-10	1.61E-08	3.56E-09	5.81E-09	9.21E-09	1.62E-09	1.02E-09	3.80E-08
3860	486363.09	3852877.25	5.04E-05	6.18E-05	5.42E-05	1.75E-08	5.28E-08	3.05E-08	3.74E-08	3.39E-08	1.55E-08	1.36E-08	5.84E-10	1.41E-08	3.11E-09	5.08E-09	8.06E-09	1.42E-09	8.96E-10	3.32E-08
3861	486863.09	3852877.25	4.94E-05	6.05E-05	5.31E-05	1.71E-08	5.17E-08	2.99E-08	3.67E-08	3.32E-08	1.52E-08	1.33E-08	5.72E-10	1.38E-08	3.05E-09	4.98E-09	7.90E-09	1.39E-09	8.78E-10	3.26E-08
3862	487363.09	3852877.25	4.73E-05	5.79E-05	5.08E-05	1.64E-08	4.95E-08	2.86E-08	3.51E-08	3.18E-08	1.45E-08	1.27E-08	5.47E-10	1.32E-08	2.92E-09	4.76E-09	7.56E-09	1.33E-09	8.40E-10	3.12E-08
3863	487863.09	3852877.25	4.70E-05	5.76E-05	5.05E-05	1.63E-08	4.92E-08	2.85E-08	3.49E-08	3.17E-08	1.44E-08	1.27E-08	5.44E-10	1.32E-08	2.90E-09	4.74E-09	7.52E-09	1.33E-09	8.35E-10	3.10E-08
3864	488363.09	3852877.25	3.71E-05	4.54E-05	3.98E-05	1.28E-08	3.88E-08	2.25E-08	2.75E-08	2.49E-08	1.14E-08	9.97E-09	4.29E-10	1.04E-08	2.29E-09	3.74E-09	5.93E-09	1.04E-09	6.58E-10	2.44E-08
3865	488863.09	3852877.25	4.23E-05	5.19E-05	4.54E-05	1.47E-08	4.43E-08	2.56E-08	3.14E-08	2.85E-08	1.30E-08	1.14E-08	4.90E-10	1.18E-08	2.61E-09	4.27E-09	6.77E-09	1.19E-09	7.51E-10	2.79E-08
3866	489363.09	3852877.25	4.52E-05	5.54E-05	4.85E-05	1.57E-08	4.73E-08	2.74E-08	3.35E-08	3.04E-08	1.39E-08	1.22E-08	5.23E-10	1.26E-08	2.79E-09	4.55E-09	7.22E-09	1.27E-09	8.01E-10	2.98E-08
3867	489863.09	3852877.25	4.75E-05	5.82E-05	5.09E-05	1.65E-08	4.97E-08	2.88E-08	3.52E-08	3.19E-08	1.46E-08	1.28E-08	5.49E-10	1.33E-08	2.93E-09	4.78E-09	7.59E-09	1.34E-09	8.42E-10	3.13E-08
3868	490363.09	3852877.25	6.14E-05	7.52E-05	6.59E-05	2.13E-08	6.42E-08	3.72E-08	4.55E-08	4.13E-08	1.88E-08	1.65E-08	7.10E-10	1.72E-08	3.79E-09	6.18E-09	9.81E-09	1.73E-09	1.09E-09	4.05E-08
3869	490863.09	3852877.25	6.80E-05	8.34E-05	7.30E-05	2.36E-08	7.12E-08	4.12E-08	5.05E-08	4.58E-08	2.09E-08	1.83E-08	7.88E-10	1.90E-08	4.20E-09	6.86E-09	1.09E-08	1.92E-09	1.21E-09	4.49E-08
3870	491363.09	3852877.25	7.35E-05	9.00E-05	7.89E-05	2.55E-08	7.69E-08	4.45E-08	5.45E-08	4.94E-08	2.26E-08	1.98E-08	8.50E-10	2.05E-08	4.53E-09	7.40E-09	1.17E-08	2.07E-09	1.30E-09	4.84E-08
3871	491863.09	3852877.25	7.52E-05	9.21E-05	8.07E-05	2.61E-08	7.87E-08	4.55E-08	5.58E-08	5.06E-08	2.31E-08	2.02E-08	8.70E-10	2.10E-08	4.64E-09	7.57E-09	1.20E-08	2.12E-09	1.33E-09	4.96E-08
3872	492363.09	3852877.25	7.75E-05	9.50E-05	8.33E-05	2.69E-08	8.11E-08	4.70E-08	5.75E-08	5.22E-08	2.38E-08	2.09E-08	8.97E-10	2.17E-08	4.78E-09	7.81E-09	1.24E-08	2.18E-09	1.38E-09	5.11E-08
3873	492863.09	3852877.25	8.32E-05	1.02E-04	8.93E-05	2.88E-08	8.70E-08	5.04E-08	6.17E-08	5.60E-08	2.55E-08	2.24E-08	9.63E-10	2.33E-08	5.13E-09	8.38E-09	1.33E-08	2.34E-09	1.48E-09	5.48E-08
3874	493363.09	3852877.25	8.63E-05	1.06E-04	9.27E-05	2.99E-08	9.03E-08	5.23E-08	6.40E-08	5.80E-08	2.65E-08	2.32E-08	9.99E-10	2.41E-08	5.32E-09	8.69E-09	1.38E-08	2.43E-09	1.53E-09	5.69E-08
3875	493863.09	3852877.25	8.46E-05	1.04E-04	9.09E-05	2.93E-08	8.85E-08	5.13E-08	6.28E-08	5.69E-08	2.60E-08	2.28E-08	9.79E-10	2.37E-08	5.22E-09	8.52E-09	1.35E-08	2.38E-09	1.50E-09	5.58E-08
3876	494363.09	3852877.25	8.34E-05	1.02E-04	8.96E-05	2.89E-08	8.73E-08	5.05E-08	6.19E-08	5.61E-08	2.56E-08	2.24E-08	9.65E-10	2.33E-08	5.15E-09	8.41E-09	1.33E-08	2.35E-09	1.48E-09	5.50E-08
3877	494863.09	3852877.25	8.36E-05	1.02E-04	8.98E-05	2.90E-08	8.75E-08	5.07E-08	6.20E-08	5.62E-08	2.57E-08	2.25E-08	9.68E-10	2.34E-08	5.16E-09	8.42E-09	1.34E-08	2.36E-09	1.48E-09	5.51E-08
3878	495363.09	3852877.25	7.87E-05	9.65E-05	8.46E-05	2.73E-08	8.24E-08	4.77E-08	5.84E-08	5.30E-08	2.42E-08	2.12E-08	9.11E-10	2.20E-08	4.86E-09	7.93E-09	1.26E-08	2.22E-09	1.40E-09	5.19E-08
3879	495863.09	3852877.25	7.40E-05	9.07E-05	7.95E-05	2.57E-08	7.75E-08	4.48E-08	5.49E-08	4.98E-08	2.27E-08	1.99E-08	8.57E-10	2.07E-08	4.57E-09	7.46E-09	1.18E-08	2.09E-09	1.31E-09	4.88E-08
3880	496363.09	3852877.25	7.22E-05	8.84E-05	7.75E-05	2.50E-08	7.55E-08	4.37E-08	5.36E-08	4.86E-08	2.22E-08	1.94E-08	8.35E-10	2.02E-08	4.45E-09	7.27E-09	1.15E-08	2.03E-09	1.28E-09	4.76E-08
3881	496863.09	3852877.25	6.85E-05	8.39E-05	7.36E-05	2.37E-08	7.17E-08	4.15E-08	5.08E-08	4.61E-08	2.10E-08	1.84E-08	7.93E-10	1.92E-08	4.23E-09	6.90E-09	1.10E-08	1.93E-09	1.22E-09	4.52E-08
3882	497363.09	3852877.25	5.87E-05	7.19E-05	6.31E-05	2.04E-08	6.14E-08	3.56E-08	4.36E-08	3.95E-08	1.80E-08	1.58E-08	6.80E-10	1.64E-08	3.62E-09	5.92E-09	9.38E-09	1.65E-09	1.04E-09	3.87E-08
3883	497863.09	3852877.25	4.46E-05	5.47E-05	4.79E-05	1.55E-08	4.67E-08	2.70E-08	3.31E-08	3.00E-08	1.37E-08	1.20E-08	5.16E-10	1.25E-08	2.75E-09	4.50E-09	7.13E-09	1.26E-09	7.92E-10	2.94E-08
3884	498363.09	3852877.25	4.18E-05	5.12E-05	4.49E-05	1.45E-08	4.37E-08	2.53E-08	3.10E-08	2.81E-08	1.28E-08	1.12E-08	4.83E-10	1.17E-08	2.58E-09	4.21E-09	6.68E-09	1.18E-09	7.41E-10	2.75E-08
3885	471363.09	3853377.25	1.56E-05	1.92E-05	1.68E-05	5.42E-09	1.64E-08	9.47E-09	1.16E-08	1.05E-08	4.80E-09	4.21E-09	1.81E-10	4.37E-09	9.65E-10	1.58E-09	2.50E-09	4.40E-10	2.78E-10	1.03E-08
3886	471863.09	3853377.25	1.70E-05	2.09E-05	1.83E-05	5.91E-09	1.78E-08	1.03E-08	1.26E-08	1.15E-08	5.23E-09	4.59E-09	1.97E-10	4.76E-09	1.05E-09	1.72E-09	2.72E-09	4.80E-10	3.03E-10	1.12E-08
3887	472363.09	3853377.25	1.85E-05	2.26E-05	1.98E-05	6.39E-09	1.93E-08	1.12E-08	1.37E-08	1.24E-08	5.66E-09	4.97E-09	2.14E-10	5.16E-09	1.14E-09	1.86E-09	2.95E-09	5.20E-10	3.28E-10	1.22E-08
3888	472863.09	3853377.25	2.00E-05	2.45E-05	2.15E-05	6.92E-09	2.09E-08	1.21E-08	1.48E-08	1.34E-08	6.13E-09	5.38E-09	2.31E-10	5.58E-09	1.23E-09	2.01E-09	3.19E-09	5.63E-10	3.55E-10	1.32E-08
3889	473363.09	3853377.25	2.13E-05	2.61E-05	2.29E-05	7.38E-09	2.23E-08	1.29E-08	1.58E-08	1.43E-08	6.54E-09	5.73E-09	2.47E-10	5.96E-09	1.31E-09	2.15E-09	3.40E-09	6.00E-10	3.78E-10	1.40E-08
3890	473863.09	3853377.25	2.29E-05	2.80E-05	2.46E-05	7.94E-09	2.40E-08	1.39E-08	1.70E-08	1.54E-08	7.03E-09	6.16E-09	2.65E-10	6.40E-09	1.41E-09	2.31E-09	3.66E-09	6.45E-10	4.06E-10	1.51E-08
3891	474363.09	3853377.25	2.45E-05	3.01E-05	2.64E-05	8.51E-09	2.57E-08	1.49E-08	1.82E-08	1.65E-08	7.53E-09	6.60E-09	2.84E-10	6.86E-09	1.51E-09	2.47E-09	3.92E-09	6.91E-10	4.36E-10	1.62E-08
3892	474863.09	3853377.25	2.50E-05	3.06E-05	2.68E-05	8.66E-09	2.62E-08	1.51E-08	1.85E-08	1.68E-08	7.67E-09	6.72E-09	2.89E-10	6.99E-09	1.54E-09	2.52E-09	3.99E-09	7.04E-10	4.44E-10	1.65E-08
3893	475363.09	3853377.25	2.59E-05	3.18E-05	2.79E-05	8.99E-09	2.71E-08	1.57E-08	1.93E-08	1.75E-08	7.96E-09	6.98E-09	3.00E-10	7.25E-09	1.60E-09	2.61E-09	4.15E-09	7.31E-10	4.60E-10	1.71E-08
3894	475863.09	3853377.25	2.67E-05	3.28E-05	2.87E-05	9.27E-09	2.80E-08	1.62E-08	1.98E-08	1.80E-08	8.21E-09	7.19E-09	3.10E-10	7.48E-09	1.65E-09	2.69E-09	4.27E-09	7.53E-10	4.75E-10	1.76E-08
3895	476363.09	3853377.25	2.55E-05	3.13E-05	2.74E-05	8.85E-09	2.67E-08	1.55E-08	1.89E-08	1.72E-08	7.83E-09	6.87E-09	2.95E-10	7.14E-09	1.57E-09	2.57E-09	4.08E-09	7.19E-10	4.53E-10	1.68E-08
3896	476863.09	3853377.25	2.20E-05	2.69E-05	2.36E-05	7.62E-09	2.30E-08	1.33E-08	1.63E-08	1.48E-08	6.75E-09	5.92E-09	2.54E-10	6.15E-09	1.36E-09	2.21E-09	3.51E-09	6.19E-10	3.90E-10	1.45E-08
3897	477363.09	3853377.25	2.15E-05	2.64E-05	2.31E-05	7.46E-09	2.25E-08	1.30E-08	1.60E-08	1.45E-08	6.61E-09	5.79E-09	2.49E-10	6.02E-09	1.33E-09	2.17E-09	3.44E-09	6.06E-10	3.82E-10	1.42E-08

3898	477863.09	3853377.25	2.20E-05	2.70E-05	2.36E-05	7.63E-09	2.30E-08	1.33E-08	1.63E-08	1.48E-08	6.75E-09	5.92E-09	2.55E-10	6.15E-09	1.36E-09	2.22E-09	3.52E-09	6.20E-10	3.91E-10	1.45E-08
3899	478363.09	3853377.25	1.87E-05	2.29E-05	2.00E-05	6.47E-09	1.95E-08	1.13E-08	1.38E-08	1.26E-08	5.73E-09	5.02E-09	2.16E-10	5.22E-09	1.15E-09	1.88E-09	2.98E-09	5.26E-10	3.31E-10	1.23E-08
3900	478863.09	3853377.25	1.45E-05	1.77E-05	1.55E-05	5.01E-09	1.51E-08	8.75E-09	1.07E-08	9.72E-09	4.44E-09	3.89E-09	1.67E-10	4.04E-09	8.91E-10	1.46E-09	2.31E-09	4.07E-10	2.56E-10	9.53E-09
3901	479363.09	3853377.25	2.60E-05	3.18E-05	2.79E-05	8.99E-09	2.72E-08	1.57E-08	1.93E-08	1.75E-08	7.97E-09	6.98E-09	3.00E-10	7.25E-09	1.60E-09	2.61E-09	4.15E-09	7.31E-10	4.60E-10	1.71E-08
3902	479863.09	3853377.25	4.28E-05	5.24E-05	4.59E-05	1.48E-08	4.48E-08	2.59E-08	3.18E-08	2.88E-08	1.31E-08	1.15E-08	4.95E-10	1.20E-08	2.64E-09	4.31E-09	6.84E-09	1.21E-09	7.59E-10	2.82E-08
3903	480363.09	3853377.25	7.03E-05	8.61E-05	7.55E-05	2.43E-08	7.35E-08	4.26E-08	5.21E-08	4.73E-08	2.16E-08	1.89E-08	8.13E-10	1.96E-08	4.33E-09	7.08E-09	1.12E-08	1.98E-09	1.25E-09	4.63E-08
3904	480863.09	3853377.25	7.65E-05	9.38E-05	8.22E-05	2.65E-08	8.01E-08	4.64E-08	5.68E-08	5.15E-08	2.35E-08	2.06E-08	8.86E-10	2.14E-08	4.72E-09	7.71E-09	1.22E-08	2.16E-09	1.36E-09	5.05E-08
3905	481363.09	3853377.25	1.08E-04	1.33E-04	1.17E-04	3.76E-08	1.13E-07	6.57E-08	8.05E-08	7.30E-08	3.33E-08	2.92E-08	1.26E-09	3.03E-08	6.69E-09	1.09E-08	1.73E-08	3.06E-09	1.93E-09	7.15E-08
3906	481863.09	3853377.25	1.29E-04	1.58E-04	1.38E-04	4.46E-08	1.35E-07	7.80E-08	9.56E-08	8.66E-08	3.95E-08	3.47E-08	1.49E-09	3.60E-08	7.94E-09	1.30E-08	2.06E-08	3.63E-09	2.29E-09	8.49E-08
3907	482363.09	3853377.25	1.65E-04	2.02E-04	1.77E-04	5.70E-08	1.72E-07	9.97E-08	1.22E-07	1.11E-07	5.05E-08	4.44E-08	1.90E-09	4.60E-08	1.01E-08	1.66E-08	2.63E-08	4.63E-09	2.93E-09	1.08E-07
3908	482863.09	3853377.25	2.02E-04	2.47E-04	2.17E-04	6.99E-08	2.11E-07	1.22E-07	1.50E-07	1.36E-07	6.19E-08	5.43E-08	2.33E-09	5.63E-08	1.24E-08	2.03E-08	3.22E-08	5.68E-09	3.58E-09	1.33E-07
3909	483363.09	3853377.25	2.12E-04	2.60E-04	2.28E-04	7.36E-08	2.22E-07	1.29E-07	1.58E-07	1.43E-07	6.52E-08	5.72E-08	2.46E-09	5.94E-08	1.31E-08	2.14E-08	3.39E-08	5.98E-09	3.78E-09	1.40E-07
3910	483863.09	3853377.25	1.93E-04	2.36E-04	2.07E-04	6.68E-08	2.02E-07	1.17E-07	1.43E-07	1.30E-07	5.92E-08	5.20E-08	2.23E-09	5.39E-08	1.19E-08	1.94E-08	3.08E-08	5.43E-09	3.43E-09	1.27E-07
3911	484363.09	3853377.25	1.81E-04	2.22E-04	1.95E-04	6.29E-08	1.90E-07	1.10E-07	1.35E-07	1.22E-07	5.57E-08	4.89E-08	2.10E-09	5.07E-08	1.12E-08	1.83E-08	2.90E-08	5.11E-09	3.23E-09	1.20E-07
3912	484863.09	3853377.25	1.38E-04	1.70E-04	1.49E-04	4.80E-08	1.45E-07	8.39E-08	1.03E-07	9.31E-08	4.25E-08	3.73E-08	1.60E-09	3.87E-08	8.54E-09	1.40E-08	2.21E-08	3.90E-09	2.46E-09	9.13E-08
3913	485363.09	3853377.25	8.62E-05	1.06E-04	9.28E-05	2.99E-08	9.02E-08	5.22E-08	6.40E-08	5.80E-08	2.65E-08	2.33E-08	9.98E-10	2.41E-08	5.32E-09	8.69E-09	1.38E-08	2.43E-09	1.53E-09	5.69E-08
3914	485863.09	3853377.25	6.34E-05	7.77E-05	6.82E-05	2.20E-08	6.64E-08	3.84E-08	4.71E-08	4.27E-08	1.95E-08	1.71E-08	7.34E-10	1.77E-08	3.91E-09	6.39E-09	1.01E-08	1.79E-09	1.13E-09	4.18E-08
3915	486363.09	3853377.25	6.81E-05	8.34E-05	7.32E-05	2.36E-08	7.13E-08	4.12E-08	5.05E-08	4.58E-08	2.09E-08	1.83E-08	7.88E-10	1.90E-08	4.20E-09	6.86E-09	1.09E-08	1.92E-09	1.21E-09	4.49E-08
3916	486863.09	3853377.25	7.27E-05	8.90E-05	7.80E-05	2.52E-08	7.60E-08	4.40E-08	5.39E-08	4.89E-08	2.23E-08	1.96E-08	8.41E-10	2.03E-08	4.48E-09	7.32E-09	1.16E-08	2.05E-09	1.29E-09	4.79E-08
3917	487363.09	3853377.25	8.18E-05	1.00E-04	8.78E-05	2.84E-08	8.56E-08	4.96E-08	6.07E-08	5.51E-08	2.51E-08	2.20E-08	9.47E-10	2.29E-08	5.05E-09	8.25E-09	1.31E-08	2.31E-09	1.45E-09	5.40E-08
3918	487863.09	3853377.25	8.85E-05	1.08E-04	9.50E-05	3.07E-08	9.26E-08	5.36E-08	6.57E-08	5.96E-08	2.72E-08	2.38E-08	1.02E-09	2.47E-08	5.46E-09	8.92E-09	1.41E-08	2.49E-09	1.57E-09	5.84E-08
3919	488363.09	3853377.25	9.67E-05	1.19E-04	1.04E-04	3.35E-08	1.01E-07	5.86E-08	7.18E-08	6.51E-08	2.97E-08	2.60E-08	1.12E-09	2.70E-08	5.97E-09	9.75E-09	1.55E-08	2.73E-09	1.72E-09	6.38E-08
3920	488863.09	3853377.25	9.90E-05	1.21E-04	1.06E-04	3.43E-08	1.04E-07	6.00E-08	7.35E-08	6.66E-08	3.04E-08	2.66E-08	1.15E-09	2.77E-08	6.11E-09	9.98E-09	1.58E-08	2.79E-09	1.76E-09	6.53E-08
3921	489363.09	3853377.25	1.00E-04	1.23E-04	1.07E-04	3.47E-08	1.05E-07	6.06E-08	7.43E-08	6.73E-08	3.07E-08	2.69E-08	1.16E-09	2.80E-08	6.18E-09	1.01E-08	1.60E-08	2.82E-09	1.78E-09	6.60E-08
3922	489863.09	3853377.25	9.77E-05	1.20E-04	1.05E-04	3.39E-08	1.02E-07	5.92E-08	7.25E-08	6.57E-08	3.00E-08	2.63E-08	1.13E-09	2.73E-08	6.03E-09	9.85E-09	1.56E-08	2.75E-09	1.73E-09	6.44E-08
3923	490363.09	3853377.25	1.04E-04	1.28E-04	1.12E-04	3.61E-08	1.09E-07	6.31E-08	7.73E-08	7.01E-08	3.20E-08	2.80E-08	1.21E-09	2.91E-08	6.43E-09	1.05E-08	1.66E-08	2.93E-09	1.85E-09	6.87E-08
3924	490863.09	3853377.25	1.08E-04	1.32E-04	1.16E-04	3.73E-08	1.13E-07	6.53E-08	7.99E-08	7.25E-08	3.31E-08	2.90E-08	1.25E-09	3.01E-08	6.64E-09	1.09E-08	1.72E-08	3.03E-09	1.91E-09	7.10E-08
3925	491363.09	3853377.25	1.10E-04	1.35E-04	1.19E-04	3.83E-08	1.16E-07	6.69E-08	8.20E-08	7.43E-08	3.39E-08	2.97E-08	1.28E-09	3.09E-08	6.81E-09	1.11E-08	1.77E-08	3.11E-09	1.96E-09	7.28E-08
3926	491863.09	3853377.25	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.78E-08	8.30E-08	7.53E-08	3.44E-08	3.01E-08	1.30E-09	3.13E-08	6.90E-09	1.13E-08	1.79E-08	3.15E-09	1.99E-09	7.38E-08
3927	492363.09	3853377.25	1.16E-04	1.42E-04	1.25E-04	4.02E-08	1.21E-07	7.03E-08	8.62E-08	7.81E-08	3.56E-08	3.12E-08	1.34E-09	3.25E-08	7.16E-09	1.17E-08	1.86E-08	3.27E-09	2.06E-09	7.65E-08
3928	492863.09	3853377.25	1.19E-04	1.46E-04	1.28E-04	4.14E-08	1.25E-07	7.23E-08	8.86E-08	8.03E-08	3.67E-08	3.21E-08	1.38E-09	3.34E-08	7.37E-09	1.20E-08	1.91E-08	3.36E-09	2.12E-09	7.87E-08
3929	493363.09	3853377.25	1.18E-04	1.44E-04	1.27E-04	4.08E-08	1.23E-07	7.14E-08	8.74E-08	7.93E-08	3.62E-08	3.17E-08	1.36E-09	3.29E-08	7.27E-09	1.19E-08	1.88E-08	3.32E-09	2.09E-09	7.77E-08
3930	493863.09	3853377.25	1.15E-04	1.41E-04	1.24E-04	3.99E-08	1.20E-07	6.97E-08	8.54E-08	7.74E-08	3.53E-08	3.10E-08	1.33E-09	3.22E-08	7.10E-09	1.16E-08	1.84E-08	3.24E-09	2.04E-09	7.58E-08
3931	494363.09	3853377.25	1.09E-04	1.33E-04	1.17E-04	3.77E-08	1.14E-07	6.60E-08	8.08E-08	7.32E-08	3.34E-08	2.93E-08	1.26E-09	3.04E-08	6.72E-09	1.10E-08	1.74E-08	3.07E-09	1.93E-09	7.18E-08
3932	494863.09	3853377.25	1.02E-04	1.24E-04	1.09E-04	3.52E-08	1.06E-07	6.15E-08	7.54E-08	6.83E-08	3.12E-08	2.73E-08	1.18E-09	2.84E-08	6.27E-09	1.02E-08	1.62E-08	2.86E-09	1.80E-09	6.70E-08
3933	495363.09	3853377.25	9.73E-05	1.19E-04	1.05E-04	3.37E-08	1.02E-07	5.90E-08	7.22E-08	6.55E-08	2.99E-08	2.62E-08	1.13E-09	2.72E-08	6.00E-09	9.81E-09	1.56E-08	2.74E-09	1.73E-09	6.42E-08
3934	495863.09	3853377.25	9.14E-05	1.12E-04	9.81E-05	3.17E-08	9.56E-08	5.53E-08	6.78E-08	6.15E-08	2.80E-08	2.46E-08	1.06E-09	2.55E-08	5.64E-09	9.20E-09	1.46E-08	2.57E-09	1.62E-09	6.02E-08
3935	496363.09	3853377.25	8.36E-05	1.02E-04	8.98E-05	2.90E-08	8.75E-08	5.06E-08	6.20E-08	5.62E-08	2.57E-08	2.25E-08	9.68E-10	2.34E-08	5.16E-09	8.42E-09	1.34E-08	2.35E-09	1.48E-09	5.51E-08
3936	496863.09	3853377.25	7.31E-05	8.95E-05	7.85E-05	2.53E-08	7.65E-08	4.43E-08	5.42E-08	4.92E-08	2.24E-08	1.97E-08	8.46E-10	2.04E-08	4.51E-09	7.36E-09	1.17E-08	2.06E-09	1.30E-09	4.82E-08
3937	497363.09	3853377.25	6.07E-05	7.44E-05	6.52E-05	2.11E-08	6.36E-08	3.68E-08	4.51E-08	4.09E-08	1.86E-08	1.63E-08	7.03E-10	1.70E-08	3.75E-09	6.12E-09	9.71E-09	1.71E-09	1.08E-09	4.00E-08
3938	497863.09	3853377.25	4.11E-05	5.03E-05	4.41E-05	1.42E-08	4.30E-08	2.49E-08	3.05E-08	2.76E-08	1.26E-08	1.11E-08	4.76E-10	1.15E-08	2.54E-09	4.14E-09	6.57E-09	1.16E-09	7.30E-10	2.71E-08
3939	498363.09	3853377.25	3.26E-05	3.99E-05	3.50E-05	1.13E-08	3.41E-08	1.97E-08	2.42E-08	2.19E-08	9.99E-09	8.76E-09	3.77E-10	9.10E-09	2.01E-09	3.28E-09	5.20E-09	9.17E-10	5.78E-10	2.15E-08
3940	471363.09	3853877.25	1.58E-05	1.94E-05	1.70E-05	5.49E-09	1.66E-08	9.59E-09	1.17E-08	1.06E-08	4.86E-09	4.26E-09	1.83E-10	4.43E-09	9.77E-10	1.59E-09	2.53E-09	4.46E-10	2.81E-10	1.04E-08
3941	471863.09	3853877.25	1.74E-05	2.14E-05	1.87E-05	6.04E-09	1.82E-08	1.06E-08	1.29E-08	1.17E-08	5.35E-09	4.69E-09	2.02E-10	4.87E-09	1.08E-09	1.76E-09	2.79E-09	4.91E-10	3.09E-10	1.15E-08
3942	472363.09	3853877.25	1.85E-05	2.27E-05	1.99E-05	6.43E-09	1.94E-08	1.12E-08	1.38E-08	1.25E-08	5.69E-09	4.99E-09	2.15E-10	5.18E-09	1.14E-09	1.87E-09	2.96E-09	5.22E-10	3.29E-10	1.22E-08
3943	472863.09	3853877.25	2.00E-05	2.45E-05	2.15E-05	6.94E-09	2.10E-08	1.21E-08	1.49E-08	1.35E-08	6.15E-09	5.39E-09	2.32E-10	5.60E-09	1.24E-09	2.02E-09	3.20E-09	5.64E-10	3.55E-10	1.32E-08
3944	473363.09	3853877.25	2.11E-05	2.59E-05	2.27E-05	7.32E-09	2.21E-08	1.28E-08	1.57E-08	1.42E-08	6.48E-09	5.68E-09	2.44E-10	5.90E-09	1.30E-09	2.13E-09	3.37E-09	5.95E-10	3.75E-10	1.39E-08
3945	473863.09	3853877.25	2.23E-05	2.74E-05	2.40E-05	7.74E-09	2.34E-08	1.35E-08	1.66E-08	1.50E-08	6.86E-09	6.01E-09	2.59E-10	6.25E-09	1.38E-09	2.25E-09	3.57E-09	6.29E-10	3.97E-10	1.47E-08
3946	474363.09	3853877.25	2.40E-05	2.94E-05	2.58E-05	8.31E-09	2.51E-08	1.45E-08	1.78E-08	1.61E-08	7.36E-09	6.46E-09	2.78E-10	6.71E-09	1.48E-09	2.42E-09	3.83E-09	6.76E-10	4.26E-10	1.58E-08
3947	474863.09	3853877.25	2.55E-05	3.12E-05	2.74E-05	8.83E-09	2.67E-08	1.54E-08	1.89E-08	1.71E-08	7.82E-09	6.86E-09	2.95E-10	7.13E-09	1.57E-09	2.57E-09	4.07E-09	7.18E-10	4.53E-10	1.68E-08
3948	475363.09	3853877.25	2.54E-05	3.11E-05	2.73E-05	8.79E-09	2.66E-08	1.54E-08	1.88E-08	1.71E-08	7.79E-09	6.83E-09	2.94E-10	7.09E-09	1.57E-09	2.56E-09	4.06E-09	7.15E-10	4.50E-10	1.67E-08
3949	475863.09	3853877.25	2.24E-05	2.75E-05	2.41E-05	7.77E-09	2.35E-08	1.36E-08	1.66E-08	1.51E-08	6.89E-09	6.04E-09	2.60E-10	6.27E-09	1.38E-09	2.26E-09	3.59E-09	6.32E-10	3.98E-10	1.48E-08
3950	476363.09	3853877.25	1.91E-05	2.34E-05	2.05E-05	6.61E-09	1.99E-08	1.15E-08	1.41E-08	1.28E-08	5.85E-09	5.13E-09	2.21E-10	5.33E-09	1.18E-09	1.92E-09	3.05E-09	5.37E-10	3.38E-10	1.26E-08
3951	476863.09	3853877.25	1.50E-05	1.84E-05	1.61E-05	5.21E-09	1.57E-08	9.11E-09	1.12E-08	1.01E-08	4.61E-09	4.04E-09	1.74E-10	4.20E-09	9.27E-10	1.51E-09	2.40E-09	4.23E-10	2.67E-10	9.91E-09
3952	477363.09	3853877.25	1.67E-05	2.05E-05	1.79E-05	5.79E-09	1.75E-08	1.01E-08	1.24E-08	1.12E-08	5.13E-09	4.50E-09	1.93E-10	4.67E-09	1.03E-09	1.68E-09	2.67E-09	4.71E-10	2.97E-10	1.10E-08
3953	477863.09	3853877.25	1.97E-05	2.41E-05	2.11E-05	6.81E-09	2.06E-08	1.19E-08	1.46E-08	1.32E-08	6.03E-09	5.29E-09	2.28E-10	5.50E-09	1.21E-09	1.98E-09	3.14E-09	5.54E-10	3.49E-10	1.30E-08
3954	478363.09	3853877.25	2.11E-05	2.58E-05	2.27E-05	7.31E-09	2.21E-08	1.28E-08	1.57E-08	1.42E-08	6.48E-09	5.68E-09	2.44E-10	5.90E-09	1.30E-09	2.13E-09	3.37E-09	5.94E-10	3.74E-10	1.39E-08
3955	478863.09	3853877.25	1.49E-05	1.82E-05	1.60E-05	5.15E-09	1.56E-08	9.01E-09	1.10E-08	1.00E-08	4.56E-09	4.00E-09	1.72E-10	4.16E-09	9.17E-10	1.50E-09	2.38E-09	4.19E-10	2.64E-10	9.80E-09
3956	479363.09	3853877.25	2.09E-05	2.56E-05	2.25E-05	7.26E-09	2.19E-08	1.27E-08	1.55E-08	1.41E-08	6.43E-09	5.63E-09	2.42E-10	5.85E-09	1.29E-09	2.11E-09	3.35E-09	5.90E-10	3.72E-10	1.38E-08
3957	479863.09	3853877.25	4.23E-05	5.18E-05	4.54E-05	1.47E-08	4.43E-08	2.56E-08	3.14E-08	2.85E-08	1.30E-08	1.14E-08	4.90E-10	1.18E-08	2.61E-09	4.26E-09	6.76E-09	1.19E-09	7.51E-10	2.79E-08
3958	480363.09	3853877.25	6.46E-05	7.91E-05	6.93E-05	2.24E-08	6.76E-08	3.91E-08	4.79E-08	4.34E-08	1.98E-08	1.74E-08	7.47E-10	1.80E-08	3.98E-09	6.50E-09	1.03E-08	1.82E-09	1.15E-09	4.26E-08

3959	480863.09	3853877.25	1.01E-04	1.23E-04	1.08E-04	3.49E-08	1.05E-07	6.09E-08	7.46E-08	6.77E-08	3.09E-08	2.71E-08	1.16E-09	2.81E-08	6.20E-09	1.01E-08	1.61E-08	2.83E-09	1.79E-09	6.63E-08
3960	481363.09	3853877.25	1.32E-04	1.61E-04	1.41E-04	4.56E-08	1.38E-07	7.97E-08	9.76E-08	8.85E-08	4.04E-08	3.54E-08	1.52E-09	3.68E-08	8.12E-09	1.33E-08	2.10E-08	3.71E-09	2.34E-09	8.67E-08
3961	481863.09	3853877.25	1.67E-04	2.04E-04	1.79E-04	5.77E-08	1.74E-07	1.01E-07	1.24E-07	1.12E-07	5.11E-08	4.49E-08	1.93E-09	4.66E-08	1.03E-08	1.68E-08	2.66E-08	4.69E-09	2.96E-09	1.10E-07
3962	482363.09	3853877.25	2.53E-04	3.10E-04	2.73E-04	8.78E-08	2.65E-07	1.53E-07	1.88E-07	1.70E-07	7.77E-08	6.83E-08	2.93E-09	7.08E-08	1.56E-08	2.55E-08	4.05E-08	7.13E-09	4.51E-09	1.67E-07
3963	482863.09	3853877.25	1.22E-03	1.49E-03	1.31E-03	4.22E-07	1.27E-06	7.38E-07	9.04E-07	8.19E-07	3.74E-07	3.29E-07	1.41E-08	3.40E-07	7.51E-08	1.23E-07	1.95E-07	3.43E-08	2.17E-08	8.03E-07
3964	483363.09	3853877.25	7.27E-04	8.91E-04	7.84E-04	2.52E-07	7.61E-07	4.40E-07	5.40E-07	4.89E-07	2.23E-07	1.96E-07	8.41E-09	2.03E-07	4.48E-08	7.33E-08	1.16E-07	2.05E-08	1.30E-08	4.79E-07
3965	483863.09	3853877.25	4.78E-04	5.86E-04	5.15E-04	1.66E-07	5.01E-07	2.90E-07	3.55E-07	3.22E-07	1.47E-07	1.29E-07	5.54E-09	1.34E-07	2.95E-08	4.82E-08	7.65E-08	1.35E-08	8.52E-09	3.15E-07
3966	484363.09	3853877.25	3.23E-04	3.96E-04	3.48E-04	1.12E-07	3.38E-07	1.96E-07	2.40E-07	2.17E-07	9.91E-08	8.71E-08	3.74E-09	9.03E-08	1.99E-08	3.25E-08	5.16E-08	9.10E-09	5.75E-09	2.13E-07
3967	484863.09	3853877.25	2.04E-04	2.50E-04	2.20E-04	7.08E-08	2.14E-07	1.24E-07	1.52E-07	1.37E-07	6.27E-08	5.51E-08	2.36E-09	5.71E-08	1.26E-08	2.06E-08	3.27E-08	5.75E-09	3.63E-09	1.35E-07
3968	485363.09	3853877.25	1.23E-04	1.50E-04	1.32E-04	4.26E-08	1.29E-07	7.44E-08	9.12E-08	8.26E-08	3.77E-08	3.31E-08	1.42E-09	3.43E-08	7.58E-09	1.24E-08	1.96E-08	3.46E-09	2.18E-09	8.10E-08
3969	485863.09	3853877.25	1.42E-04	1.74E-04	1.52E-04	4.91E-08	1.48E-07	8.59E-08	1.05E-07	9.54E-08	4.35E-08	3.82E-08	1.64E-09	3.96E-08	8.75E-09	1.43E-08	2.27E-08	3.99E-09	2.52E-09	9.35E-08
3970	486363.09	3853877.25	1.45E-04	1.78E-04	1.56E-04	5.03E-08	1.52E-07	8.80E-08	1.08E-07	9.77E-08	4.46E-08	3.90E-08	1.68E-09	4.06E-08	8.96E-09	1.46E-08	2.32E-08	4.09E-09	2.58E-09	9.57E-08
3971	486863.09	3853877.25	1.43E-04	1.75E-04	1.53E-04	4.95E-08	1.50E-07	8.66E-08	1.06E-07	9.61E-08	4.39E-08	3.84E-08	1.65E-09	3.99E-08	8.81E-09	1.44E-08	2.28E-08	4.03E-09	2.53E-09	9.42E-08
3972	487363.09	3853877.25	1.54E-04	1.88E-04	1.65E-04	5.33E-08	1.61E-07	9.31E-08	1.14E-07	1.03E-07	4.72E-08	4.13E-08	1.78E-09	4.30E-08	9.48E-09	1.55E-08	2.46E-08	4.33E-09	2.72E-09	1.01E-07
3973	487863.09	3853877.25	1.75E-04	2.15E-04	1.88E-04	6.08E-08	1.84E-07	1.06E-07	1.30E-07	1.18E-07	5.39E-08	4.71E-08	2.03E-09	4.90E-08	1.08E-08	1.77E-08	2.80E-08	4.94E-09	3.11E-09	1.16E-07
3974	488363.09	3853877.25	1.81E-04	2.22E-04	1.95E-04	6.29E-08	1.90E-07	1.10E-07	1.35E-07	1.22E-07	5.57E-08	4.87E-08	2.10E-09	5.07E-08	1.12E-08	1.83E-08	2.90E-08	5.11E-09	3.22E-09	1.20E-07
3975	488863.09	3853877.25	1.91E-04	2.34E-04	2.05E-04	6.61E-08	2.00E-07	1.16E-07	1.42E-07	1.28E-07	5.86E-08	5.13E-08	2.21E-09	5.34E-08	1.18E-08	1.92E-08	3.05E-08	5.38E-09	3.38E-09	1.26E-07
3976	489363.09	3853877.25	1.77E-04	2.17E-04	1.90E-04	6.15E-08	1.86E-07	1.07E-07	1.32E-07	1.19E-07	5.44E-08	4.77E-08	2.05E-09	4.96E-08	1.09E-08	1.79E-08	2.83E-08	5.00E-09	3.15E-09	1.17E-07
3977	489863.09	3853877.25	1.77E-04	2.17E-04	1.90E-04	6.14E-08	1.85E-07	1.07E-07	1.31E-07	1.19E-07	5.44E-08	4.76E-08	2.05E-09	4.95E-08	1.09E-08	1.78E-08	2.83E-08	4.99E-09	3.14E-09	1.17E-07
3978	490363.09	3853877.25	1.71E-04	2.09E-04	1.83E-04	5.91E-08	1.79E-07	1.03E-07	1.27E-07	1.15E-07	5.24E-08	4.59E-08	1.97E-09	4.77E-08	1.05E-08	1.72E-08	2.73E-08	4.81E-09	3.03E-09	1.13E-07
3979	490863.09	3853877.25	1.68E-04	2.06E-04	1.80E-04	5.82E-08	1.76E-07	1.02E-07	1.25E-07	1.13E-07	5.15E-08	4.52E-08	1.94E-09	4.69E-08	1.04E-08	1.69E-08	2.68E-08	4.73E-09	2.98E-09	1.11E-07
3980	491363.09	3853877.25	1.66E-04	2.03E-04	1.78E-04	5.75E-08	1.74E-07	1.00E-07	1.23E-07	1.12E-07	5.09E-08	4.46E-08	1.92E-09	4.64E-08	1.02E-08	1.67E-08	2.65E-08	4.67E-09	2.94E-09	1.09E-07
3981	491863.09	3853877.25	1.63E-04	2.00E-04	1.75E-04	5.65E-08	1.71E-07	9.87E-08	1.21E-07	1.10E-07	5.00E-08	4.39E-08	1.89E-09	4.56E-08	1.01E-08	1.64E-08	2.61E-08	4.59E-09	2.89E-09	1.07E-07
3982	492363.09	3853877.25	1.65E-04	2.02E-04	1.77E-04	5.71E-08	1.73E-07	9.99E-08	1.22E-07	1.11E-07	5.06E-08	4.44E-08	1.91E-09	4.61E-08	1.02E-08	1.66E-08	2.64E-08	4.64E-09	2.93E-09	1.09E-07
3983	492863.09	3853877.25	1.63E-04	1.99E-04	1.75E-04	5.64E-08	1.70E-07	9.85E-08	1.21E-07	1.09E-07	4.99E-08	4.38E-08	1.88E-09	4.55E-08	1.00E-08	1.64E-08	2.60E-08	4.58E-09	2.89E-09	1.07E-07
3984	493363.09	3853877.25	1.55E-04	1.90E-04	1.67E-04	5.38E-08	1.63E-07	9.41E-08	1.15E-07	1.05E-07	4.77E-08	4.18E-08	1.80E-09	4.34E-08	9.58E-09	1.57E-08	2.48E-08	4.38E-09	2.76E-09	1.02E-07
3985	493863.09	3853877.25	1.46E-04	1.79E-04	1.57E-04	5.08E-08	1.53E-07	8.87E-08	1.09E-07	9.85E-08	4.49E-08	3.94E-08	1.69E-09	4.09E-08	9.03E-09	1.48E-08	2.34E-08	4.12E-09	2.60E-09	9.66E-08
3986	494363.09	3853877.25	1.39E-04	1.70E-04	1.49E-04	4.82E-08	1.46E-07	8.43E-08	1.03E-07	9.36E-08	4.27E-08	3.74E-08	1.61E-09	3.89E-08	8.58E-09	1.40E-08	2.22E-08	3.92E-09	2.47E-09	9.17E-08
3987	494863.09	3853877.25	1.29E-04	1.58E-04	1.39E-04	4.48E-08	1.35E-07	7.83E-08	9.59E-08	8.70E-08	3.97E-08	3.48E-08	1.50E-09	3.61E-08	7.97E-09	1.30E-08	2.07E-08	3.64E-09	2.29E-09	8.52E-08
3988	495363.09	3853877.25	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.76E-08	8.28E-08	7.50E-08	3.42E-08	3.00E-08	1.29E-09	3.12E-08	6.88E-09	1.12E-08	1.78E-08	3.14E-09	1.98E-09	7.35E-08
3989	495863.09	3853877.25	9.77E-05	1.20E-04	1.05E-04	3.39E-08	1.02E-07	5.92E-08	7.25E-08	6.57E-08	3.00E-08	2.63E-08	1.13E-09	2.73E-08	6.03E-09	9.84E-09	1.56E-08	2.75E-09	1.73E-09	6.44E-08
3990	496363.09	3853877.25	8.87E-05	1.09E-04	9.52E-05	3.07E-08	9.28E-08	5.37E-08	6.58E-08	5.96E-08	2.72E-08	2.39E-08	1.03E-09	2.48E-08	5.47E-09	8.93E-09	1.42E-08	2.50E-09	1.57E-09	5.84E-08
3991	496863.09	3853877.25	7.45E-05	9.12E-05	8.00E-05	2.58E-08	7.79E-08	4.51E-08	5.52E-08	5.01E-08	2.29E-08	2.00E-08	8.62E-10	2.08E-08	4.59E-09	7.50E-09	1.19E-08	2.10E-09	1.32E-09	4.91E-08
3992	497363.09	3853877.25	6.34E-05	7.76E-05	6.81E-05	2.20E-08	6.63E-08	3.84E-08	4.70E-08	4.26E-08	1.94E-08	1.71E-08	7.33E-10	1.77E-08	3.91E-09	6.38E-09	1.01E-08	1.78E-09	1.12E-09	4.18E-08
3993	497863.09	3853877.25	4.99E-05	6.11E-05	5.35E-05	1.73E-08	5.22E-08	3.02E-08	3.70E-08	3.35E-08	1.53E-08	1.34E-08	5.77E-10	1.39E-08	3.08E-09	5.02E-09	7.97E-09	1.40E-09	8.85E-10	3.29E-08
3994	498363.09	3853877.25	4.23E-05	5.19E-05	4.55E-05	1.47E-08	4.43E-08	2.57E-08	3.14E-08	2.85E-08	1.30E-08	1.14E-08	4.90E-10	1.18E-08	2.61E-09	4.27E-09	6.77E-09	1.19E-09	7.52E-10	2.79E-08
3995	471363.09	3854377.25	1.63E-05	1.99E-05	1.74E-05	5.63E-09	1.70E-08	9.85E-09	1.21E-08	1.09E-08	4.99E-09	4.37E-09	1.88E-10	4.54E-09	1.00E-09	1.64E-09	2.60E-09	4.58E-10	2.88E-10	1.07E-08
3996	471863.09	3854377.25	1.78E-05	2.18E-05	1.91E-05	6.18E-09	1.86E-08	1.08E-08	1.32E-08	1.20E-08	5.47E-09	4.79E-09	2.06E-10	4.98E-09	1.10E-09	1.80E-09	2.85E-09	5.02E-10	3.16E-10	1.17E-08
3997	472363.09	3854377.25	1.91E-05	2.34E-05	2.05E-05	6.61E-09	2.00E-08	1.16E-08	1.42E-08	1.28E-08	5.85E-09	5.13E-09	2.21E-10	5.33E-09	1.18E-09	1.92E-09	3.05E-09	5.37E-10	3.38E-10	1.26E-08
3998	472863.09	3854377.25	2.01E-05	2.47E-05	2.16E-05	6.98E-09	2.11E-08	1.22E-08	1.49E-08	1.35E-08	6.18E-09	5.42E-09	2.33E-10	5.63E-09	1.24E-09	2.03E-09	3.22E-09	5.67E-10	3.57E-10	1.33E-08
3999	473363.09	3854377.25	2.16E-05	2.65E-05	2.32E-05	7.48E-09	2.26E-08	1.31E-08	1.60E-08	1.45E-08	6.63E-09	5.81E-09	2.50E-10	6.04E-09	1.33E-09	2.18E-09	3.45E-09	6.08E-10	3.83E-10	1.42E-08
4000	473863.09	3854377.25	2.34E-05	2.87E-05	2.51E-05	8.11E-09	2.45E-08	1.42E-08	1.74E-08	1.57E-08	7.18E-09	6.29E-09	2.71E-10	6.54E-09	1.44E-09	2.36E-09	3.74E-09	6.59E-10	4.15E-10	1.54E-08
4001	474363.09	3854377.25	2.52E-05	3.09E-05	2.71E-05	8.74E-09	2.64E-08	1.53E-08	1.87E-08	1.70E-08	7.74E-09	6.79E-09	2.92E-10	7.05E-09	1.56E-09	2.54E-09	4.03E-09	7.10E-10	4.48E-10	1.66E-08
4002	474863.09	3854377.25	2.51E-05	3.07E-05	2.69E-05	8.69E-09	2.62E-08	1.52E-08	1.86E-08	1.69E-08	7.69E-09	6.75E-09	2.90E-10	7.01E-09	1.55E-09	2.53E-09	4.01E-09	7.06E-10	4.45E-10	1.65E-08
4003	475363.09	3854377.25	2.25E-05	2.76E-05	2.42E-05	7.81E-09	2.36E-08	1.37E-08	1.67E-08	1.52E-08	6.92E-09	6.07E-09	2.61E-10	6.30E-09	1.39E-09	2.27E-09	3.60E-09	6.35E-10	4.00E-10	1.49E-08
4004	475863.09	3854377.25	1.58E-05	1.93E-05	1.69E-05	5.47E-09	1.65E-08	9.55E-09	1.17E-08	1.06E-08	4.84E-09	4.24E-09	1.83E-10	4.41E-09	9.73E-10	1.59E-09	2.52E-09	4.44E-10	2.80E-10	1.04E-08
4005	476363.09	3854377.25	1.42E-05	1.74E-05	1.53E-05	4.93E-09	1.49E-08	8.61E-09	1.06E-08	9.56E-09	4.36E-09	3.83E-09	1.65E-10	3.98E-09	8.77E-10	1.43E-09	2.27E-09	4.01E-10	2.52E-10	9.37E-09
4006	476863.09	3854377.25	1.38E-05	1.69E-05	1.48E-05	4.79E-09	1.45E-08	8.37E-09	1.03E-08	9.29E-09	4.24E-09	3.72E-09	1.60E-10	3.86E-09	8.52E-10	1.39E-09	2.21E-09	3.89E-10	2.45E-10	9.11E-09
4007	477363.09	3854377.25	1.38E-05	1.70E-05	1.49E-05	4.80E-09	1.45E-08	8.39E-09	1.03E-08	9.31E-09	4.25E-09	3.73E-09	1.60E-10	3.87E-09	8.54E-10	1.39E-09	2.21E-09	3.90E-10	2.46E-10	9.13E-09
4008	477863.09	3854377.25	1.43E-05	1.75E-05	1.54E-05	4.97E-09	1.50E-08	8.68E-09	1.06E-08	9.64E-09	4.40E-09	3.85E-09	1.66E-10	4.00E-09	8.84E-10	1.44E-09	2.29E-09	4.04E-10	2.54E-10	9.44E-09
4009	478363.09	3854377.25	1.72E-05	2.10E-05	1.84E-05	5.94E-09	1.79E-08	1.04E-08	1.27E-08	1.15E-08	5.26E-09	4.61E-09	1.98E-10	4.79E-09	1.06E-09	1.73E-09	2.74E-09	4.83E-10	3.04E-10	1.13E-08
4010	478863.09	3854377.25	1.91E-05	2.34E-05	2.05E-05	6.61E-09	2.00E-08	1.16E-08	1.42E-08	1.28E-08	5.86E-09	5.13E-09	2.21E-10	5.33E-09	1.18E-09	1.92E-09	3.05E-09	5.38E-10	3.39E-10	1.26E-08
4011	479363.09	3854377.25	3.10E-05	3.80E-05	3.33E-05	1.08E-08	3.25E-08	1.88E-08	2.30E-08	2.09E-08	9.53E-09	8.35E-09	3.59E-10	8.68E-09	1.91E-09	3.13E-09	4.96E-09	8.74E-10	5.51E-10	2.05E-08
4012	479863.09	3854377.25	4.24E-05	5.19E-05	4.55E-05	1.47E-08	4.43E-08	2.57E-08	3.14E-08	2.85E-08	1.30E-08	1.14E-08	4.90E-10	1.18E-08	2.61E-09	4.27E-09	6.77E-09	1.19E-09	7.52E-10	2.79E-08
4013	480363.09	3854377.25	6.31E-05	7.74E-05	6.78E-05	2.19E-08	6.61E-08	3.83E-08	4.69E-08	4.25E-08	1.94E-08	1.70E-08	7.31E-10	1.77E-08	3.90E-09	6.36E-09	1.01E-08	1.78E-09	1.12E-09	4.16E-08
4014	480863.09	3854377.25	1.01E-04	1.24E-04	1.08E-04	3.50E-08	1.06E-07	6.11E-08	7.49E-08	6.79E-08	3.10E-08	2.72E-08	1.17E-09	2.82E-08	6.23E-09	1.02E-08	1.61E-08	2.84E-09	1.79E-09	6.66E-08
4015	481363.09	3854377.25	1.46E-04	1.79E-04	1.57E-04	5.05E-08	1.53E-07	8.84E-08	1.08E-07	9.81E-08	4.48E-08	3.92E-08	1.69E-09	4.08E-08	9.00E-09	1.47E-08	2.33E-08	4.11E-09	2.59E-09	9.62E-08
4016	481863.09	3854377.25	1.95E-04	2.39E-04	2.10E-04	6.76E-08	2.04E-07	1.18E-07	1.45E-07	1.31E-07	5.99E-08	5.25E-08	2.26E-09	5.45E-08	1.20E-08	1.97E-08	3.12E-08	5.50E-09	3.46E-09	1.29E-07
4017	482363.09	3854377.25	2.76E-04	3.38E-04	2.96E-04	9.56E-08	2.89E-07	1.67E-07	2.05E-07	1.86E-07	8.46E-08	7.43E-08	3.19E-09	7.71E-08	1.70E-08	2.78E-08	4.41E-08	7.77E-09	4.90E-09	1.82E-07
4018	482863.09	3854377.25	5.76E-04	7.06E-04	6.21E-04	2.00E-07	6.03E-07	3.49E-07	4.28E-07	3.88E-07	1.77E-07	1.56E-07	6.67E-09	1.61E-07	3.55E-08	5.81E-08	9.21E-08	1.62E-08	1.03E-08	3.80E-07
4019	483363.09	3854377.25	1.67E-03	2.05E-03	1.80E-03	5.79E-07	1.75E-06	1.01E-06	1.24E-06	1.12E-06	5.13E-07	4.52E-07	1.93E-08	4.67E-07	1.03E-07	1.68E-07	2.67E-07	4.71E-08	2.98E-08	1.10E-06

4020	483863.09	3854377.25	8.48E-04	1.04E-03	9.13E-04	2.94E-07	8.88E-07	5.14E-07	6.30E-07	5.71E-07	2.60E-07	2.29E-07	9.82E-09	2.37E-07	5.23E-08	8.55E-08	1.36E-07	2.39E-08	1.51E-08	5.59E-07
4021	484363.09	3854377.25	5.06E-04	6.20E-04	5.44E-04	1.75E-07	5.29E-07	3.06E-07	3.75E-07	3.40E-07	1.55E-07	1.36E-07	5.85E-09	1.41E-07	3.12E-08	5.10E-08	8.08E-08	1.42E-08	9.00E-09	3.33E-07
4022	484863.09	3854377.25	3.18E-04	3.90E-04	3.42E-04	1.10E-07	3.33E-07	1.93E-07	2.36E-07	2.14E-07	9.77E-08	8.58E-08	3.68E-09	8.90E-08	1.96E-08	3.21E-08	5.09E-08	8.97E-09	5.66E-09	2.10E-07
4023	485363.09	3854377.25	4.21E-04	5.16E-04	4.51E-04	1.46E-07	4.40E-07	2.55E-07	3.12E-07	2.83E-07	1.29E-07	1.13E-07	4.87E-09	1.18E-07	2.60E-08	4.24E-08	6.73E-08	1.19E-08	7.46E-09	2.77E-07
4024	485863.09	3854377.25	3.37E-04	4.13E-04	3.61E-04	1.17E-07	3.52E-07	2.04E-07	2.50E-07	2.27E-07	1.03E-07	9.04E-08	3.90E-09	9.42E-08	2.08E-08	3.39E-08	5.38E-08	9.49E-09	5.96E-09	2.22E-07
4025	486363.09	3854377.25	3.53E-04	4.32E-04	3.78E-04	1.22E-07	3.69E-07	2.14E-07	2.62E-07	2.37E-07	1.08E-07	9.46E-08	4.08E-09	9.86E-08	2.18E-08	3.55E-08	5.64E-08	9.94E-09	6.24E-09	2.33E-07
4026	486863.09	3854377.25	3.17E-04	3.89E-04	3.40E-04	1.10E-07	3.32E-07	1.92E-07	2.36E-07	2.14E-07	9.75E-08	8.52E-08	3.67E-09	8.87E-08	1.96E-08	3.20E-08	5.07E-08	8.94E-09	5.62E-09	2.09E-07
4027	487363.09	3854377.25	3.17E-04	3.89E-04	3.40E-04	1.10E-07	3.32E-07	1.92E-07	2.35E-07	2.13E-07	9.74E-08	8.52E-08	3.67E-09	8.87E-08	1.96E-08	3.20E-08	5.07E-08	8.94E-09	5.62E-09	2.09E-07
4028	487863.09	3854377.25	3.26E-04	4.00E-04	3.50E-04	1.13E-07	3.41E-07	1.98E-07	2.42E-07	2.19E-07	1.00E-07	8.77E-08	3.78E-09	9.12E-08	2.01E-08	3.29E-08	5.22E-08	9.19E-09	5.78E-09	2.15E-07
4029	488363.09	3854377.25	3.20E-04	3.92E-04	3.43E-04	1.11E-07	3.35E-07	1.94E-07	2.37E-07	2.15E-07	9.82E-08	8.60E-08	3.70E-09	8.94E-08	1.97E-08	3.22E-08	5.11E-08	9.01E-09	5.67E-09	2.11E-07
4030	488863.09	3854377.25	3.10E-04	3.79E-04	3.32E-04	1.07E-07	3.24E-07	1.88E-07	2.30E-07	2.08E-07	9.51E-08	8.33E-08	3.58E-09	8.66E-08	1.91E-08	3.12E-08	4.95E-08	8.72E-09	5.49E-09	2.04E-07
4031	489363.09	3854377.25	2.96E-04	3.62E-04	3.17E-04	1.02E-07	3.09E-07	1.79E-07	2.19E-07	1.99E-07	9.07E-08	7.95E-08	3.42E-09	8.26E-08	1.82E-08	2.98E-08	4.72E-08	8.33E-09	5.24E-09	1.95E-07
4032	489863.09	3854377.25	2.79E-04	3.42E-04	3.00E-04	9.67E-08	2.92E-07	1.69E-07	2.07E-07	1.88E-07	8.56E-08	7.51E-08	3.23E-09	7.80E-08	1.72E-08	2.81E-08	4.46E-08	7.86E-09	4.95E-09	1.84E-07
4033	490363.09	3854377.25	2.61E-04	3.19E-04	2.80E-04	9.03E-08	2.73E-07	1.58E-07	1.93E-07	1.75E-07	8.00E-08	7.01E-08	3.02E-09	7.29E-08	1.61E-08	2.63E-08	4.17E-08	7.34E-09	4.63E-09	1.72E-07
4034	490863.09	3854377.25	2.13E-04	2.61E-04	2.29E-04	7.39E-08	2.23E-07	1.29E-07	1.58E-07	1.43E-07	6.55E-08	5.74E-08	2.47E-09	5.96E-08	1.32E-08	2.15E-08	3.41E-08	6.01E-09	3.79E-09	1.41E-07
4035	491363.09	3854377.25	2.24E-04	2.74E-04	2.40E-04	7.75E-08	2.34E-07	1.35E-07	1.66E-07	1.50E-07	6.86E-08	6.02E-08	2.59E-09	6.25E-08	1.38E-08	2.25E-08	3.57E-08	6.30E-09	3.97E-09	1.47E-07
4036	491863.09	3854377.25	2.27E-04	2.78E-04	2.43E-04	7.85E-08	2.37E-07	1.37E-07	1.68E-07	1.52E-07	6.95E-08	6.10E-08	2.62E-09	6.33E-08	1.40E-08	2.28E-08	3.62E-08	6.38E-09	4.02E-09	1.49E-07
4037	492363.09	3854377.25	2.20E-04	2.70E-04	2.37E-04	7.64E-08	2.31E-07	1.34E-07	1.64E-07	1.48E-07	6.76E-08	5.93E-08	2.55E-09	6.16E-08	1.36E-08	2.22E-08	3.52E-08	6.21E-09	3.91E-09	1.45E-07
4038	492863.09	3854377.25	2.09E-04	2.55E-04	2.24E-04	7.23E-08	2.18E-07	1.26E-07	1.55E-07	1.40E-07	6.40E-08	5.61E-08	2.41E-09	5.83E-08	1.29E-08	2.10E-08	3.33E-08	5.87E-09	3.70E-09	1.37E-07
4039	493363.09	3854377.25	1.94E-04	2.38E-04	2.09E-04	6.73E-08	2.03E-07	1.18E-07	1.44E-07	1.31E-07	5.96E-08	5.23E-08	2.25E-09	5.43E-08	1.20E-08	1.96E-08	3.10E-08	5.47E-09	3.45E-09	1.28E-07
4040	493863.09	3854377.25	1.80E-04	2.21E-04	1.93E-04	6.24E-08	1.88E-07	1.09E-07	1.34E-07	1.21E-07	5.53E-08	4.85E-08	2.08E-09	5.03E-08	1.11E-08	1.81E-08	2.88E-08	5.07E-09	3.20E-09	1.19E-07
4041	494363.09	3854377.25	1.67E-04	2.05E-04	1.80E-04	5.79E-08	1.75E-07	1.01E-07	1.24E-07	1.12E-07	5.13E-08	4.50E-08	1.93E-09	4.67E-08	1.03E-08	1.68E-08	2.67E-08	4.71E-09	2.97E-09	1.10E-07
4042	494863.09	3854377.25	1.37E-04	1.68E-04	1.47E-04	4.75E-08	1.43E-07	8.30E-08	1.02E-07	9.22E-08	4.21E-08	3.69E-08	1.59E-09	3.83E-08	8.45E-09	1.38E-08	2.19E-08	3.86E-09	2.43E-09	9.03E-08
4043	495363.09	3854377.25	1.08E-04	1.32E-04	1.16E-04	3.74E-08	1.13E-07	6.54E-08	8.02E-08	7.27E-08	3.32E-08	2.91E-08	1.25E-09	3.02E-08	6.66E-09	1.09E-08	1.73E-08	3.04E-09	1.92E-09	7.12E-08
4044	495863.09	3854377.25	8.98E-05	1.10E-04	9.64E-05	3.11E-08	9.40E-08	5.44E-08	6.66E-08	6.04E-08	2.76E-08	2.42E-08	1.04E-09	2.51E-08	5.54E-09	9.05E-09	1.43E-08	2.53E-09	1.59E-09	5.92E-08
4045	496363.09	3854377.25	8.09E-05	9.90E-05	8.68E-05	2.80E-08	8.46E-08	4.90E-08	6.00E-08	5.44E-08	2.48E-08	2.18E-08	9.36E-10	2.26E-08	4.99E-09	8.15E-09	1.29E-08	2.28E-09	1.44E-09	5.33E-08
4046	496863.09	3854377.25	7.01E-05	8.58E-05	7.53E-05	2.43E-08	7.33E-08	4.25E-08	5.20E-08	4.71E-08	2.15E-08	1.89E-08	8.11E-10	1.96E-08	4.32E-09	7.06E-09	1.12E-08	1.97E-09	1.24E-09	4.62E-08
4047	497363.09	3854377.25	5.51E-05	6.75E-05	5.92E-05	1.91E-08	5.77E-08	3.34E-08	4.09E-08	3.71E-08	1.69E-08	1.48E-08	6.38E-10	1.54E-08	3.40E-09	5.56E-09	8.81E-09	1.55E-09	9.79E-10	3.64E-08
4048	497863.09	3854377.25	5.60E-05	6.86E-05	6.01E-05	1.94E-08	5.86E-08	3.39E-08	4.15E-08	3.77E-08	1.72E-08	1.51E-08	6.48E-10	1.57E-08	3.45E-09	5.64E-09	8.95E-09	1.58E-09	9.94E-10	3.69E-08
4049	498363.09	3854377.25	4.81E-05	5.89E-05	5.16E-05	1.67E-08	5.03E-08	2.91E-08	3.57E-08	3.23E-08	1.47E-08	1.29E-08	5.56E-10	1.34E-08	2.96E-09	4.84E-09	7.68E-09	1.35E-09	8.53E-10	3.17E-08
4050	471363.09	3854877.25	1.66E-05	2.04E-05	1.78E-05	5.76E-09	1.74E-08	1.01E-08	1.23E-08	1.12E-08	5.10E-09	4.47E-09	1.92E-10	4.65E-09	1.03E-09	1.67E-09	2.66E-09	4.68E-10	2.95E-10	1.10E-08
4051	471863.09	3854877.25	1.79E-05	2.19E-05	1.92E-05	6.20E-09	1.87E-08	1.08E-08	1.33E-08	1.20E-08	5.49E-09	4.82E-09	2.07E-10	5.00E-09	1.10E-09	1.80E-09	2.86E-09	5.04E-10	3.18E-10	1.18E-08
4052	472363.09	3854877.25	1.91E-05	2.34E-05	2.05E-05	6.62E-09	2.00E-08	1.16E-08	1.42E-08	1.29E-08	5.86E-09	5.14E-09	2.21E-10	5.34E-09	1.18E-09	1.93E-09	3.05E-09	5.38E-10	3.39E-10	1.26E-08
4053	472863.09	3854877.25	1.98E-05	2.43E-05	2.13E-05	6.88E-09	2.08E-08	1.20E-08	1.47E-08	1.33E-08	6.09E-09	5.34E-09	2.30E-10	5.55E-09	1.22E-09	2.00E-09	3.17E-09	5.59E-10	3.52E-10	1.31E-08
4054	473363.09	3854877.25	2.17E-05	2.66E-05	2.33E-05	7.53E-09	2.27E-08	1.32E-08	1.61E-08	1.46E-08	6.66E-09	5.84E-09	2.51E-10	6.07E-09	1.34E-09	2.19E-09	3.47E-09	6.12E-10	3.85E-10	1.43E-08
4055	473863.09	3854877.25	2.36E-05	2.89E-05	2.53E-05	8.17E-09	2.47E-08	1.43E-08	1.75E-08	1.59E-08	7.23E-09	6.34E-09	2.73E-10	6.59E-09	1.45E-09	2.37E-09	3.77E-09	6.64E-10	4.18E-10	1.55E-08
4056	474363.09	3854877.25	2.60E-05	3.18E-05	2.79E-05	9.00E-09	2.72E-08	1.57E-08	1.93E-08	1.75E-08	7.97E-09	6.98E-09	3.00E-10	7.26E-09	1.60E-09	2.62E-09	4.15E-09	7.31E-10	4.60E-10	1.71E-08
4057	474863.09	3854877.25	2.32E-05	2.85E-05	2.49E-05	8.05E-09	2.43E-08	1.41E-08	1.72E-08	1.56E-08	7.13E-09	6.25E-09	2.69E-10	6.50E-09	1.43E-09	2.34E-09	3.71E-09	6.55E-10	4.12E-10	1.53E-08
4058	475363.09	3854877.25	1.87E-05	2.30E-05	2.01E-05	6.50E-09	1.96E-08	1.14E-08	1.39E-08	1.26E-08	5.75E-09	5.04E-09	2.17E-10	5.24E-09	1.16E-09	1.89E-09	3.00E-09	5.28E-10	3.33E-10	1.24E-08
4059	475863.09	3854877.25	1.41E-05	1.73E-05	1.51E-05	4.89E-09	1.48E-08	8.54E-09	1.05E-08	9.49E-09	4.33E-09	3.79E-09	1.63E-10	3.94E-09	8.70E-10	1.42E-09	2.25E-09	3.97E-10	2.50E-10	9.30E-09
4060	476363.09	3854877.25	9.02E-06	1.11E-05	9.69E-06	3.13E-09	9.44E-09	5.47E-09	6.69E-09	6.07E-09	2.77E-09	2.43E-09	1.04E-10	2.52E-09	5.57E-10	9.09E-10	1.44E-09	2.54E-10	1.60E-10	5.95E-09
4061	476863.09	3854877.25	9.02E-06	1.10E-05	9.69E-06	3.13E-09	9.44E-09	5.46E-09	6.69E-09	6.07E-09	2.77E-09	2.43E-09	1.04E-10	2.52E-09	5.56E-10	9.09E-10	1.44E-09	2.54E-10	1.60E-10	5.95E-09
4062	477363.09	3854877.25	1.11E-05	1.37E-05	1.20E-05	3.86E-09	1.17E-08	6.75E-09	8.27E-09	7.50E-09	3.42E-09	3.00E-09	1.29E-10	3.12E-09	6.88E-10	1.12E-09	1.78E-09	3.14E-10	1.98E-10	7.35E-09
4063	477863.09	3854877.25	1.33E-05	1.63E-05	1.43E-05	4.61E-09	1.39E-08	8.06E-09	9.88E-09	8.95E-09	4.09E-09	3.58E-09	1.54E-10	3.72E-09	8.21E-10	1.34E-09	2.13E-09	3.75E-10	2.36E-10	8.78E-09
4064	478363.09	3854877.25	1.85E-05	2.27E-05	1.99E-05	6.41E-09	1.94E-08	1.12E-08	1.37E-08	1.24E-08	5.68E-09	4.98E-09	2.14E-10	5.17E-09	1.14E-09	1.86E-09	2.96E-09	5.21E-10	3.28E-10	1.22E-08
4065	478863.09	3854877.25	2.76E-05	3.38E-05	2.96E-05	9.55E-09	2.88E-08	1.67E-08	2.04E-08	1.85E-08	8.46E-09	7.41E-09	3.19E-10	7.70E-09	1.70E-09	2.78E-09	4.40E-09	7.76E-10	4.89E-10	1.82E-08
4066	479363.09	3854877.25	4.16E-05	5.09E-05	4.46E-05	1.44E-08	4.35E-08	2.52E-08	3.08E-08	2.80E-08	1.28E-08	1.12E-08	4.81E-10	1.16E-08	2.56E-09	4.19E-09	6.64E-09	1.17E-09	7.38E-10	2.74E-08
4067	479863.09	3854877.25	6.10E-05	7.47E-05	6.55E-05	2.11E-08	6.38E-08	3.69E-08	4.53E-08	4.10E-08	1.87E-08	1.64E-08	7.06E-10	1.70E-08	3.76E-09	6.14E-09	9.75E-09	1.72E-09	1.08E-09	4.02E-08
4068	480363.09	3854877.25	8.16E-05	1.00E-04	8.77E-05	2.83E-08	8.54E-08	4.94E-08	6.06E-08	5.49E-08	2.51E-08	2.20E-08	9.45E-10	2.28E-08	5.04E-09	8.22E-09	1.30E-08	2.30E-09	1.45E-09	5.38E-08
4069	480863.09	3854877.25	1.17E-04	1.44E-04	1.26E-04	4.07E-08	1.23E-07	7.11E-08	8.71E-08	7.90E-08	3.60E-08	3.16E-08	1.36E-09	3.28E-08	7.24E-09	1.18E-08	1.88E-08	3.31E-09	2.08E-09	7.74E-08
4070	481363.09	3854877.25	1.52E-04	1.87E-04	1.64E-04	5.28E-08	1.60E-07	9.24E-08	1.13E-07	1.03E-07	4.68E-08	4.10E-08	1.76E-09	4.26E-08	9.41E-09	1.54E-08	2.44E-08	4.30E-09	2.71E-09	1.01E-07
4071	481863.09	3854877.25	1.80E-04	2.21E-04	1.93E-04	6.24E-08	1.88E-07	1.09E-07	1.34E-07	1.21E-07	5.53E-08	4.85E-08	2.08E-09	5.04E-08	1.11E-08	1.82E-08	2.88E-08	5.07E-09	3.20E-09	1.19E-07
4072	482363.09	3854877.25	2.64E-04	3.24E-04	2.84E-04	9.15E-08	2.76E-07	1.60E-07	1.96E-07	1.78E-07	8.11E-08	7.11E-08	3.06E-09	7.38E-08	1.63E-08	2.66E-08	4.22E-08	7.44E-09	4.69E-09	1.74E-07
4073	482863.09	3854877.25	3.96E-04	4.85E-04	4.25E-04	1.37E-07	4.15E-07	2.40E-07	2.94E-07	2.67E-07	1.22E-07	1.07E-07	4.59E-09	1.11E-07	2.44E-08	3.99E-08	6.33E-08	1.12E-08	7.03E-09	2.61E-07
4074	483363.09	3854877.25	6.76E-04	8.29E-04	7.26E-04	2.34E-07	7.08E-07	4.10E-07	5.02E-07	4.55E-07	2.08E-07	1.82E-07	7.83E-09	1.89E-07	4.17E-08	6.82E-08	1.08E-07	1.91E-08	1.20E-08	4.46E-07
4075	483863.09	3854877.25	2.25E-03	2.75E-03	2.40E-03	7.78E-07	2.35E-06	1.36E-06	1.67E-06	1.51E-06	6.90E-07	6.02E-07	2.60E-08	6.28E-07	1.39E-07	2.26E-07	3.59E-07	6.33E-08	3.97E-08	1.48E-06
4076	484363.09	3854877.25	8.75E-03	1.07E-02	9.35E-03	3.03E-06	9.15E-06	5.30E-06	6.49E-06	5.89E-06	2.69E-06	2.34E-06	1.01E-07	2.45E-06	5.40E-07	8.81E-07	1.40E-06	2.46E-07	1.55E-07	5.77E-06
4077	484863.09	3854877.25	3.58E-03	4.38E-03	3.82E-03	1.24E-06	3.74E-06	2.17E-06	2.65E-06	2.41E-06	1.10E-06	9.58E-07	4.14E-08	9.99E-07	2.21E-07	3.60E-07	5.72E-07	1.01E-07	6.32E-08	2.36E-06
4078	485363.09	3854877.25	1.74E-03	2.14E-03	1.86E-03	6.05E-07	1.83E-06	1.06E-06	1.29E-06	1.17E-06	5.36E-07	4.67E-07	2.02E-08	4.88E-07	1.08E-07	1.76E-07	2.79E-07	4.91E-08	3.08E-08	1.15E-06
4079	485863.09	3854877.25	1.12E-03	1.37E-03	1.19E-03	3.87E-07	1.17E-06	6.76E-07	8.28E-07	7.50E-07	3.42E-07	2.99E-07	1.29E-08	3.12E-07	6.88E-08	1.12E-07	1.78E-07	3.14E-08	1.97E-08	7.35E-07
4080	486363.09	3854877.25	8.08E-04	9.90E-04	8.66E-04	2.80E-07	8.46E-07	4.90E-07	6.00E-07	5.44E-07	2.48E-07	2.17E-07	9.36E-09	2.26E-07	4.99E-08	8.15E-08	1.29E-07	2.28E-08	1.43E-08	5.33E-07

4081	486863.09	3854877.25	6.46E-04	7.92E-04	6.93E-04	2.24E-07	6.76E-07	3.91E-07	4.80E-07	4.35E-07	1.98E-07	1.74E-07	7.48E-09	1.81E-07	3.99E-08	6.51E-08	1.03E-07	1.82E-08	1.14E-08	4.26E-07
4082	487363.09	3854877.25	5.88E-04	7.21E-04	6.31E-04	2.04E-07	6.16E-07	3.56E-07	4.37E-07	3.96E-07	1.81E-07	1.58E-07	6.81E-09	1.65E-07	3.63E-08	5.93E-08	9.41E-08	1.66E-08	1.04E-08	3.88E-07
4083	487863.09	3854877.25	5.41E-04	6.63E-04	5.81E-04	1.88E-07	5.66E-07	3.28E-07	4.02E-07	3.64E-07	1.66E-07	1.46E-07	6.26E-09	1.51E-07	3.34E-08	5.45E-08	8.65E-08	1.52E-08	9.60E-09	3.57E-07
4084	488363.09	3854877.25	5.02E-04	6.15E-04	5.39E-04	1.74E-07	5.25E-07	3.04E-07	3.73E-07	3.38E-07	1.54E-07	1.35E-07	5.81E-09	1.40E-07	3.10E-08	5.06E-08	8.02E-08	1.41E-08	8.91E-09	3.31E-07
4085	488863.09	3854877.25	4.71E-04	5.77E-04	5.06E-04	1.63E-07	4.92E-07	2.85E-07	3.49E-07	3.17E-07	1.44E-07	1.27E-07	5.45E-09	1.32E-07	2.90E-08	4.74E-08	7.52E-08	1.33E-08	8.36E-09	3.10E-07
4086	489363.09	3854877.25	4.33E-04	5.30E-04	4.65E-04	1.50E-07	4.53E-07	2.62E-07	3.21E-07	2.91E-07	1.33E-07	1.17E-07	5.01E-09	1.21E-07	2.67E-08	4.36E-08	6.92E-08	1.22E-08	7.68E-09	2.85E-07
4087	489863.09	3854877.25	3.86E-04	4.73E-04	4.15E-04	1.34E-07	4.04E-07	2.34E-07	2.87E-07	2.60E-07	1.19E-07	1.04E-07	4.47E-09	1.08E-07	2.38E-08	3.89E-08	6.18E-08	1.09E-08	6.86E-09	2.55E-07
4088	490363.09	3854877.25	2.94E-04	3.60E-04	3.16E-04	1.02E-07	3.07E-07	1.78E-07	2.18E-07	1.98E-07	9.02E-08	7.91E-08	3.40E-09	8.21E-08	1.81E-08	2.96E-08	4.70E-08	8.28E-09	5.22E-09	1.94E-07
4089	490863.09	3854877.25	2.06E-04	2.52E-04	2.21E-04	7.13E-08	2.15E-07	1.25E-07	1.53E-07	1.38E-07	6.32E-08	5.54E-08	2.38E-09	5.75E-08	1.27E-08	2.07E-08	3.29E-08	5.80E-09	3.66E-09	1.36E-07
4090	491363.09	3854877.25	2.16E-04	2.65E-04	2.32E-04	7.49E-08	2.26E-07	1.31E-07	1.60E-07	1.45E-07	6.64E-08	5.82E-08	2.50E-09	6.04E-08	1.33E-08	2.18E-08	3.46E-08	6.09E-09	3.84E-09	1.43E-07
4091	491863.09	3854877.25	2.87E-04	3.52E-04	3.09E-04	9.96E-08	3.01E-07	1.74E-07	2.13E-07	1.93E-07	8.82E-08	7.74E-08	3.33E-09	8.03E-08	1.77E-08	2.89E-08	4.59E-08	8.09E-09	5.10E-09	1.89E-07
4092	492363.09	3854877.25	2.74E-04	3.35E-04	2.94E-04	9.49E-08	2.86E-07	1.66E-07	2.03E-07	1.84E-07	8.40E-08	7.37E-08	3.17E-09	7.65E-08	1.69E-08	2.76E-08	4.37E-08	7.71E-09	4.86E-09	1.80E-07
4093	492863.09	3854877.25	2.53E-04	3.10E-04	2.72E-04	8.76E-08	2.64E-07	1.53E-07	1.88E-07	1.70E-07	7.76E-08	6.80E-08	2.92E-09	7.06E-08	1.56E-08	2.55E-08	4.04E-08	7.12E-09	4.49E-09	1.67E-07
4094	493363.09	3854877.25	2.30E-04	2.82E-04	2.48E-04	7.98E-08	2.41E-07	1.40E-07	1.71E-07	1.55E-07	7.07E-08	6.20E-08	2.67E-09	6.44E-08	1.42E-08	2.32E-08	3.68E-08	6.49E-09	4.09E-09	1.52E-07
4095	493863.09	3854877.25	2.12E-04	2.59E-04	2.27E-04	7.33E-08	2.21E-07	1.28E-07	1.57E-07	1.42E-07	6.49E-08	5.69E-08	2.45E-09	5.91E-08	1.31E-08	2.13E-08	3.38E-08	5.96E-09	3.76E-09	1.39E-07
4096	494363.09	3854877.25	1.65E-04	2.02E-04	1.77E-04	5.73E-08	1.73E-07	1.00E-07	1.23E-07	1.11E-07	5.07E-08	4.45E-08	1.91E-09	4.62E-08	1.02E-08	1.66E-08	2.64E-08	4.65E-09	2.93E-09	1.09E-07
4097	494863.09	3854877.25	1.20E-04	1.47E-04	1.29E-04	4.16E-08	1.26E-07	7.27E-08	8.90E-08	8.07E-08	3.68E-08	3.23E-08	1.39E-09	3.35E-08	7.40E-09	1.21E-08	1.92E-08	3.38E-09	2.13E-09	7.91E-08
4098	495363.09	3854877.25	9.44E-05	1.16E-04	1.01E-04	3.27E-08	9.88E-08	5.72E-08	7.01E-08	6.35E-08	2.90E-08	2.54E-08	1.09E-09	2.64E-08	5.82E-09	9.51E-09	1.51E-08	2.66E-09	1.68E-09	6.23E-08
4099	495863.09	3854877.25	8.05E-05	9.86E-05	8.65E-05	2.79E-08	8.43E-08	4.88E-08	5.97E-08	5.42E-08	2.47E-08	2.17E-08	9.32E-10	2.25E-08	4.97E-09	8.11E-09	1.29E-08	2.27E-09	1.43E-09	5.31E-08
4100	496363.09	3854877.25	6.42E-05	7.87E-05	6.90E-05	2.23E-08	6.72E-08	3.89E-08	4.77E-08	4.32E-08	1.97E-08	1.73E-08	7.43E-10	1.80E-08	3.96E-09	6.47E-09	1.03E-08	1.81E-09	1.14E-09	4.23E-08
4101	496863.09	3854877.25	5.48E-05	6.71E-05	5.88E-05	1.90E-08	5.73E-08	3.32E-08	4.06E-08	3.68E-08	1.68E-08	1.47E-08	6.34E-10	1.53E-08	3.38E-09	5.52E-09	8.75E-09	1.54E-09	9.72E-10	3.61E-08
4102	497363.09	3854877.25	5.13E-05	6.29E-05	5.51E-05	1.78E-08	5.37E-08	3.11E-08	3.81E-08	3.45E-08	1.58E-08	1.38E-08	5.94E-10	1.43E-08	3.17E-09	5.17E-09	8.20E-09	1.45E-09	9.11E-10	3.38E-08
4103	497863.09	3854877.25	5.51E-05	6.75E-05	5.92E-05	1.91E-08	5.77E-08	3.34E-08	4.09E-08	3.71E-08	1.69E-08	1.48E-08	6.38E-10	1.54E-08	3.40E-09	5.55E-09	8.81E-09	1.55E-09	9.78E-10	3.63E-08
4104	498363.09	3854877.25	5.27E-05	6.46E-05	5.66E-05	1.83E-08	5.52E-08	3.20E-08	3.91E-08	3.55E-08	1.62E-08	1.42E-08	6.10E-10	1.47E-08	3.25E-09	5.31E-09	8.43E-09	1.49E-09	9.36E-10	3.48E-08
4105	471363.09	3855377.25	1.66E-05	2.04E-05	1.79E-05	5.76E-09	1.74E-08	1.01E-08	1.23E-08	1.12E-08	5.10E-09	4.47E-09	1.92E-10	4.65E-09	1.03E-09	1.67E-09	2.66E-09	4.68E-10	2.95E-10	1.10E-08
4106	471863.09	3855377.25	1.75E-05	2.14E-05	1.88E-05	6.06E-09	1.83E-08	1.06E-08	1.30E-08	1.18E-08	5.37E-09	4.71E-09	2.02E-10	4.89E-09	1.08E-09	1.76E-09	2.80E-09	4.93E-10	3.11E-10	1.15E-08
4107	472363.09	3855377.25	1.89E-05	2.32E-05	2.04E-05	6.57E-09	1.98E-08	1.15E-08	1.41E-08	1.27E-08	5.81E-09	5.10E-09	2.19E-10	5.30E-09	1.17E-09	1.91E-09	3.03E-09	5.34E-10	3.36E-10	1.25E-08
4108	472863.09	3855377.25	1.99E-05	2.44E-05	2.14E-05	6.91E-09	2.09E-08	1.21E-08	1.48E-08	1.34E-08	6.12E-09	5.36E-09	2.31E-10	5.57E-09	1.23E-09	2.01E-09	3.18E-09	5.61E-10	3.54E-10	1.31E-08
4109	473363.09	3855377.25	2.19E-05	2.68E-05	2.35E-05	7.59E-09	2.29E-08	1.33E-08	1.63E-08	1.47E-08	6.72E-09	5.90E-09	2.54E-10	6.12E-09	1.35E-09	2.21E-09	3.50E-09	6.17E-10	3.89E-10	1.44E-08
4110	473863.09	3855377.25	2.38E-05	2.91E-05	2.55E-05	8.23E-09	2.49E-08	1.44E-08	1.76E-08	1.60E-08	7.29E-09	6.39E-09	2.75E-10	6.64E-09	1.47E-09	2.39E-09	3.80E-09	6.69E-10	4.22E-10	1.57E-08
4111	474363.09	3855377.25	2.56E-05	3.14E-05	2.75E-05	8.88E-09	2.68E-08	1.55E-08	1.90E-08	1.72E-08	7.86E-09	6.90E-09	2.96E-10	7.16E-09	1.58E-09	2.58E-09	4.09E-09	7.22E-10	4.55E-10	1.69E-08
4112	474863.09	3855377.25	2.33E-05	2.85E-05	2.50E-05	8.07E-09	2.44E-08	1.41E-08	1.73E-08	1.57E-08	7.15E-09	6.27E-09	2.70E-10	6.51E-09	1.44E-09	2.35E-09	3.72E-09	6.56E-10	4.14E-10	1.54E-08
4113	475363.09	3855377.25	1.19E-05	1.46E-05	1.28E-05	4.13E-09	1.25E-08	7.22E-09	8.84E-09	8.01E-09	3.66E-09	3.21E-09	1.38E-10	3.33E-09	7.35E-10	1.20E-09	1.90E-09	3.36E-10	2.11E-10	7.85E-09
4114	475863.09	3855377.25	8.94E-06	1.10E-05	9.60E-06	3.10E-09	9.36E-09	5.42E-09	6.64E-09	6.02E-09	2.75E-09	2.41E-09	1.04E-10	2.50E-09	5.52E-10	9.01E-10	1.43E-09	2.52E-10	1.59E-10	5.90E-09
4115	476363.09	3855377.25	1.07E-05	1.31E-05	1.15E-05	3.71E-09	1.12E-08	6.49E-09	7.95E-09	7.21E-09	3.29E-09	2.88E-09	1.24E-10	3.00E-09	6.61E-10	1.08E-09	1.71E-09	3.02E-10	1.90E-10	7.07E-09
4116	476863.09	3855377.25	1.05E-05	1.29E-05	1.13E-05	3.65E-09	1.10E-08	6.39E-09	7.82E-09	7.09E-09	3.24E-09	2.84E-09	1.22E-10	2.95E-09	6.50E-10	1.06E-09	1.68E-09	2.97E-10	1.87E-10	6.95E-09
4117	477363.09	3855377.25	1.19E-05	1.46E-05	1.28E-05	4.13E-09	1.25E-08	7.22E-09	8.84E-09	8.02E-09	3.66E-09	3.21E-09	1.38E-10	3.33E-09	7.35E-10	1.20E-09	1.90E-09	3.36E-10	2.12E-10	7.86E-09
4118	477863.09	3855377.25	1.60E-05	1.96E-05	1.72E-05	5.56E-09	1.68E-08	9.72E-09	1.19E-08	1.08E-08	4.92E-09	4.32E-09	1.86E-10	4.48E-09	9.89E-10	1.62E-09	2.56E-09	4.52E-10	2.85E-10	1.06E-08
4119	478363.09	3855377.25	2.14E-05	2.63E-05	2.30E-05	7.43E-09	2.24E-08	1.30E-08	1.59E-08	1.44E-08	6.58E-09	5.77E-09	2.48E-10	5.99E-09	1.32E-09	2.16E-09	3.43E-09	6.04E-10	3.80E-10	1.41E-08
4120	478863.09	3855377.25	2.81E-05	3.44E-05	3.02E-05	9.73E-09	2.94E-08	1.70E-08	2.08E-08	1.89E-08	8.62E-09	7.56E-09	3.25E-10	7.85E-09	1.73E-09	2.83E-09	4.49E-09	7.91E-10	4.98E-10	1.85E-08
4121	479363.09	3855377.25	3.98E-05	4.88E-05	4.28E-05	1.38E-08	4.17E-08	2.41E-08	2.95E-08	2.68E-08	1.22E-08	1.07E-08	4.61E-10	1.11E-08	2.46E-09	4.01E-09	6.36E-09	1.12E-09	7.07E-10	2.63E-08
4122	479863.09	3855377.25	5.41E-05	6.63E-05	5.81E-05	1.88E-08	5.66E-08	3.28E-08	4.02E-08	3.64E-08	1.66E-08	1.46E-08	6.26E-10	1.51E-08	3.34E-09	5.45E-09	8.65E-09	1.52E-09	9.61E-10	3.57E-08
4123	480363.09	3855377.25	8.37E-05	1.02E-04	8.99E-05	2.90E-08	8.75E-08	5.07E-08	6.21E-08	5.63E-08	2.57E-08	2.25E-08	9.68E-10	2.34E-08	5.16E-09	8.43E-09	1.34E-08	2.36E-09	1.48E-09	5.52E-08
4124	480863.09	3855377.25	1.24E-04	1.52E-04	1.33E-04	4.29E-08	1.29E-07	7.50E-08	9.18E-08	8.32E-08	3.80E-08	3.33E-08	1.43E-09	3.46E-08	7.63E-09	1.25E-08	1.98E-08	3.49E-09	2.20E-09	8.16E-08
4125	481363.09	3855377.25	1.65E-04	2.03E-04	1.78E-04	5.73E-08	1.73E-07	1.00E-07	1.23E-07	1.11E-07	5.07E-08	4.45E-08	1.91E-09	4.62E-08	1.02E-08	1.67E-08	2.64E-08	4.66E-09	2.93E-09	1.09E-07
4126	481863.09	3855377.25	2.04E-04	2.50E-04	2.19E-04	7.06E-08	2.13E-07	1.23E-07	1.51E-07	1.37E-07	6.26E-08	5.49E-08	2.36E-09	5.70E-08	1.26E-08	2.05E-08	3.26E-08	5.74E-09	3.62E-09	1.34E-07
4127	482363.09	3855377.25	2.46E-04	3.02E-04	2.65E-04	8.54E-08	2.58E-07	1.49E-07	1.83E-07	1.66E-07	7.56E-08	6.63E-08	2.85E-09	6.89E-08	1.52E-08	2.48E-08	3.94E-08	6.94E-09	4.37E-09	1.62E-07
4128	482863.09	3855377.25	3.33E-04	4.08E-04	3.58E-04	1.15E-07	3.49E-07	2.02E-07	2.47E-07	2.24E-07	1.02E-07	8.96E-08	3.86E-09	9.31E-08	2.05E-08	3.36E-08	5.32E-08	9.38E-09	5.91E-09	2.20E-07
4129	483363.09	3855377.25	4.77E-04	5.84E-04	5.11E-04	1.65E-07	4.99E-07	2.89E-07	3.54E-07	3.21E-07	1.46E-07	1.28E-07	5.52E-09	1.33E-07	2.94E-08	4.81E-08	7.62E-08	1.34E-08	8.45E-09	3.14E-07
4130	483863.09	3855377.25	8.05E-04	9.86E-04	8.61E-04	2.79E-07	8.42E-07	4.87E-07	5.97E-07	5.41E-07	2.47E-07	2.16E-07	9.31E-09	2.25E-07	4.96E-08	8.11E-08	1.29E-07	2.27E-08	1.42E-08	5.30E-07
4131	484363.09	3855377.25	1.97E-03	2.41E-03	2.11E-03	6.83E-07	2.06E-06	1.19E-06	1.46E-06	1.33E-06	6.05E-07	5.29E-07	2.28E-08	5.51E-07	1.22E-07	1.98E-07	3.15E-07	5.55E-08	3.49E-08	1.30E-06
4132	484863.09	3855377.25	6.24E-03	7.64E-03	6.72E-03	2.16E-06	6.53E-06	3.78E-06	4.63E-06	4.20E-06	1.91E-06	1.68E-06	7.22E-08	1.74E-06	3.85E-07	6.28E-07	9.97E-07	1.76E-07	1.11E-07	4.11E-06
4133	485363.09	3855377.25	4.94E-03	6.05E-03	5.32E-03	1.71E-06	5.17E-06	2.99E-06	3.67E-06	3.32E-06	1.52E-06	1.33E-06	5.72E-08	1.38E-06	3.05E-07	4.98E-07	7.89E-07	1.39E-07	8.79E-08	3.26E-06
4134	485863.09	3855377.25	2.37E-03	2.90E-03	2.55E-03	8.22E-07	2.48E-06	1.44E-06	1.76E-06	1.59E-06	7.28E-07	6.39E-07	2.74E-08	6.63E-07	1.46E-07	2.39E-07	3.79E-07	6.68E-08	4.21E-08	1.56E-06
4135	486363.09	3855377.25	1.50E-03	1.84E-03	1.61E-03	5.20E-07	1.57E-06	9.08E-07	1.11E-06	1.01E-06	4.60E-07	4.04E-07	1.74E-08	4.19E-07	9.25E-08	1.51E-07	2.40E-07	4.22E-08	2.66E-08	9.89E-07
4136	486863.09	3855377.25	1.08E-03	1.32E-03	1.16E-03	3.73E-07	1.13E-06	6.51E-07	7.98E-07	7.23E-07	3.30E-07	2.90E-07	1.24E-08	3.01E-07	6.63E-08	1.08E-07	1.72E-07	3.03E-08	1.91E-08	7.09E-07
4137	487363.09	3855377.25	9.28E-04	1.14E-03	9.98E-04	3.22E-07	9.71E-07	5.62E-07	6.89E-07	6.24E-07	2.85E-07	2.50E-07	1.07E-08	2.59E-07	5.73E-08	9.35E-08	1.48E-07	2.61E-08	1.65E-08	6.12E-07
4138	487863.09	3855377.25	8.13E-04	9.96E-04	8.75E-04	2.82E-07	8.51E-07	4.93E-07	6.03E-07	5.47E-07	2.50E-07	2.19E-07	9.41E-09	2.27E-07	5.02E-08	8.19E-08	1.30E-07	2.29E-08	1.45E-08	5.36E-07
4139	488363.09	3855377.25	7.22E-04	8.84E-04	7.76E-04	2.50E-07	7.55E-07	4.37E-07	5.36E-07	4.85E-07	2.22E-07	1.95E-07	8.35E-09	2.02E-07	4.45E-08	7.27E-08	1.15E-07	2.03E-08	1.28E-08	4.76E-07
4140	488863.09	3855377.25	6.45E-04	7.89E-04	6.93E-04	2.23E-07	6.74E-07	3.90E-07	4.78E-07	4.34E-07	1.98E-07	1.74E-07	7.46E-09	1.80E-07	3.98E-08	6.49E-08	1.03E-07	1.82E-08	1.15E-08	4.25E-07
4141	489363.09	3855377.25	5.76E-04	7.05E-04	6.19E-04	1.99E-07	6.02E-07	3.49E-07	4.27E-07	3.87E-07	1.77E-07	1.55E-07	6.66E-09	1.61E-07	3.55E-08	5.80E-08	9.20E-08	1.62E-08	1.02E-08	3.79E-07

4142	489863.09	3855377.25	5.11E-04	6.26E-04	5.49E-04	1.77E-07	5.34E-07	3.09E-07	3.79E-07	3.43E-07	1.57E-07	1.38E-07	5.91E-09	1.43E-07	3.15E-08	5.14E-08	8.16E-08	1.44E-08	9.08E-09	3.37E-07
4143	490363.09	3855377.25	4.67E-04	5.73E-04	5.03E-04	1.62E-07	4.89E-07	2.83E-07	3.47E-07	3.14E-07	1.43E-07	1.26E-07	5.41E-09	1.31E-07	2.88E-08	4.71E-08	7.47E-08	1.32E-08	8.31E-09	3.08E-07
4144	490863.09	3855377.25	3.19E-04	3.91E-04	3.43E-04	1.11E-07	3.34E-07	1.94E-07	2.37E-07	2.15E-07	9.80E-08	8.61E-08	3.70E-09	8.93E-08	1.97E-08	3.22E-08	5.10E-08	9.00E-09	5.68E-09	2.11E-07
4145	491363.09	3855377.25	2.64E-04	3.24E-04	2.84E-04	9.16E-08	2.76E-07	1.60E-07	1.96E-07	1.78E-07	8.11E-08	7.12E-08	3.06E-09	7.39E-08	1.63E-08	2.66E-08	4.22E-08	7.44E-09	4.69E-09	1.74E-07
4146	491863.09	3855377.25	3.45E-04	4.23E-04	3.71E-04	1.20E-07	3.61E-07	2.09E-07	2.56E-07	2.32E-07	1.06E-07	9.29E-08	3.99E-09	9.65E-08	2.13E-08	3.48E-08	5.52E-08	9.72E-09	6.13E-09	2.28E-07
4147	492363.09	3855377.25	3.21E-04	3.93E-04	3.45E-04	1.11E-07	3.36E-07	1.94E-07	2.38E-07	2.16E-07	9.85E-08	8.64E-08	3.71E-09	8.97E-08	1.98E-08	3.23E-08	5.13E-08	9.04E-09	5.70E-09	2.12E-07
4148	492863.09	3855377.25	2.92E-04	3.57E-04	3.14E-04	1.01E-07	3.05E-07	1.77E-07	2.17E-07	1.96E-07	8.96E-08	7.86E-08	3.38E-09	8.16E-08	1.80E-08	2.94E-08	4.66E-08	8.22E-09	5.18E-09	1.92E-07
4149	493363.09	3855377.25	2.55E-04	3.12E-04	2.74E-04	8.84E-08	2.67E-07	1.55E-07	1.89E-07	1.72E-07	7.83E-08	6.87E-08	2.95E-09	7.13E-08	1.57E-08	2.57E-08	4.08E-08	7.18E-09	4.53E-09	1.68E-07
4150	493863.09	3855377.25	1.99E-04	2.44E-04	2.14E-04	6.91E-08	2.09E-07	1.21E-07	1.48E-07	1.34E-07	6.12E-08	5.37E-08	2.31E-09	5.57E-08	1.23E-08	2.01E-08	3.19E-08	5.62E-09	3.54E-09	1.31E-07
4151	494363.09	3855377.25	1.46E-04	1.78E-04	1.56E-04	5.04E-08	1.52E-07	8.82E-08	1.08E-07	9.79E-08	4.47E-08	3.92E-08	1.68E-09	4.07E-08	8.98E-09	1.47E-08	2.33E-08	4.10E-09	2.58E-09	9.60E-08
4152	494863.09	3855377.25	1.04E-04	1.28E-04	1.12E-04	3.62E-08	1.09E-07	6.33E-08	7.75E-08	7.03E-08	3.21E-08	2.81E-08	1.21E-09	2.92E-08	6.44E-09	1.05E-08	1.67E-08	2.94E-09	1.85E-09	6.89E-08
4153	495363.09	3855377.25	7.97E-05	9.76E-05	8.56E-05	2.76E-08	8.34E-08	4.83E-08	5.91E-08	5.36E-08	2.45E-08	2.14E-08	9.22E-10	2.23E-08	4.92E-09	8.03E-09	1.27E-08	2.24E-09	1.41E-09	5.25E-08
4154	495863.09	3855377.25	6.45E-05	7.90E-05	6.93E-05	2.23E-08	6.75E-08	3.91E-08	4.78E-08	4.34E-08	1.98E-08	1.74E-08	7.46E-10	1.80E-08	3.98E-09	6.50E-09	1.03E-08	1.82E-09	1.14E-09	4.25E-08
4155	496363.09	3855377.25	6.01E-05	7.36E-05	6.45E-05	2.08E-08	6.29E-08	3.64E-08	4.46E-08	4.04E-08	1.84E-08	1.62E-08	6.95E-10	1.68E-08	3.71E-09	6.05E-09	9.60E-09	1.69E-09	1.07E-09	3.96E-08
4156	496863.09	3855377.25	5.67E-05	6.95E-05	6.09E-05	1.97E-08	5.94E-08	3.44E-08	4.21E-08	3.82E-08	1.74E-08	1.53E-08	6.57E-10	1.59E-08	3.50E-09	5.72E-09	9.07E-09	1.60E-09	1.01E-09	3.74E-08
4157	497363.09	3855377.25	5.58E-05	6.84E-05	5.99E-05	1.93E-08	5.84E-08	3.38E-08	4.14E-08	3.75E-08	1.71E-08	1.50E-08	6.46E-10	1.56E-08	3.44E-09	5.62E-09	8.92E-09	1.57E-09	9.90E-10	3.68E-08
4158	497863.09	3855377.25	5.72E-05	7.00E-05	6.14E-05	1.98E-08	5.98E-08	3.46E-08	4.24E-08	3.84E-08	1.75E-08	1.54E-08	6.61E-10	1.60E-08	3.53E-09	5.76E-09	9.13E-09	1.61E-09	1.01E-09	3.77E-08
4159	498363.09	3855377.25	5.94E-05	7.27E-05	6.37E-05	2.06E-08	6.21E-08	3.60E-08	4.40E-08	3.99E-08	1.82E-08	1.60E-08	6.87E-10	1.66E-08	3.66E-09	5.98E-09	9.49E-09	1.67E-09	1.05E-09	3.91E-08
4160	471363.09	3855877.25	1.70E-05	2.09E-05	1.83E-05	5.91E-09	1.78E-08	1.03E-08	1.26E-08	1.15E-08	5.23E-09	4.59E-09	1.97E-10	4.76E-09	1.05E-09	1.72E-09	2.72E-09	4.80E-10	3.02E-10	1.12E-08
4161	471863.09	3855877.25	1.80E-05	2.20E-05	1.93E-05	6.23E-09	1.88E-08	1.09E-08	1.33E-08	1.21E-08	5.52E-09	4.84E-09	2.08E-10	5.02E-09	1.11E-09	1.81E-09	2.87E-09	5.06E-10	3.19E-10	1.18E-08
4162	472363.09	3855877.25	1.97E-05	2.41E-05	2.12E-05	6.83E-09	2.06E-08	1.19E-08	1.46E-08	1.33E-08	6.05E-09	5.30E-09	2.28E-10	5.51E-09	1.22E-09	1.99E-09	3.15E-09	5.55E-10	3.50E-10	1.30E-08
4163	472863.09	3855877.25	2.05E-05	2.51E-05	2.20E-05	7.11E-09	2.15E-08	1.24E-08	1.52E-08	1.38E-08	6.29E-09	5.52E-09	2.37E-10	5.73E-09	1.26E-09	2.07E-09	3.28E-09	5.78E-10	3.64E-10	1.35E-08
4164	473363.09	3855877.25	2.28E-05	2.80E-05	2.45E-05	7.92E-09	2.39E-08	1.38E-08	1.69E-08	1.54E-08	7.01E-09	6.15E-09	2.64E-10	6.39E-09	1.41E-09	2.30E-09	3.65E-09	6.43E-10	4.05E-10	1.51E-08
4165	473863.09	3855877.25	2.49E-05	3.05E-05	2.67E-05	8.62E-09	2.60E-08	1.51E-08	1.84E-08	1.67E-08	7.63E-09	6.69E-09	2.88E-10	6.95E-09	1.53E-09	2.50E-09	3.97E-09	7.00E-10	4.41E-10	1.64E-08
4166	474363.09	3855877.25	2.66E-05	3.26E-05	2.85E-05	9.21E-09	2.78E-08	1.61E-08	1.97E-08	1.79E-08	8.16E-09	7.15E-09	3.08E-10	7.43E-09	1.64E-09	2.68E-09	4.25E-09	7.48E-10	4.72E-10	1.75E-08
4167	474863.09	3855877.25	2.30E-05	2.81E-05	2.46E-05	7.95E-09	2.40E-08	1.39E-08	1.70E-08	1.54E-08	7.04E-09	6.18E-09	2.66E-10	6.42E-09	1.42E-09	2.31E-09	3.67E-09	6.46E-10	4.07E-10	1.51E-08
4168	475363.09	3855877.25	1.51E-05	1.85E-05	1.63E-05	5.25E-09	1.58E-08	9.17E-09	1.12E-08	1.02E-08	4.65E-09	4.07E-09	1.75E-10	4.23E-09	9.34E-10	1.52E-09	2.42E-09	4.26E-10	2.69E-10	9.98E-09
4169	475863.09	3855877.25	6.58E-06	8.05E-06	7.06E-06	2.28E-09	6.88E-09	3.98E-09	4.88E-09	4.42E-09	2.02E-09	1.77E-09	7.61E-11	1.84E-09	4.06E-10	6.62E-10	1.05E-09	1.85E-10	1.17E-10	4.33E-09
4170	476363.09	3855877.25	7.11E-06	8.71E-06	7.63E-06	2.46E-09	7.44E-09	4.31E-09	5.27E-09	4.78E-09	2.18E-09	1.91E-09	8.23E-11	1.99E-09	4.38E-10	7.16E-10	1.14E-09	2.00E-10	1.26E-10	4.69E-09
4171	476863.09	3855877.25	1.09E-05	1.34E-05	1.17E-05	3.79E-09	1.14E-08	6.62E-09	8.11E-09	7.35E-09	3.35E-09	2.94E-09	1.26E-10	3.05E-09	6.74E-10	1.10E-09	1.75E-09	3.08E-10	1.94E-10	7.20E-09
4172	477363.09	3855877.25	1.36E-05	1.66E-05	1.46E-05	4.70E-09	1.42E-08	8.22E-09	1.01E-08	9.13E-09	4.17E-09	3.65E-09	1.57E-10	3.79E-09	8.37E-10	1.37E-09	2.17E-09	3.82E-10	2.41E-10	8.95E-09
4173	477863.09	3855877.25	1.71E-05	2.10E-05	1.84E-05	5.93E-09	1.79E-08	1.04E-08	1.27E-08	1.15E-08	5.25E-09	4.61E-09	1.98E-10	4.79E-09	1.06E-09	1.72E-09	2.74E-09	4.82E-10	3.04E-10	1.13E-08
4174	478363.09	3855877.25	2.26E-05	2.77E-05	2.43E-05	7.83E-09	2.36E-08	1.37E-08	1.68E-08	1.52E-08	6.94E-09	6.08E-09	2.62E-10	6.32E-09	1.39E-09	2.28E-09	3.61E-09	6.37E-10	4.01E-10	1.49E-08
4175	478863.09	3855877.25	3.10E-05	3.79E-05	3.33E-05	1.07E-08	3.24E-08	1.88E-08	2.30E-08	2.08E-08	9.50E-09	8.33E-09	3.58E-10	8.66E-09	1.91E-09	3.12E-09	4.95E-09	8.72E-10	5.50E-10	2.04E-08
4176	479363.09	3855877.25	4.42E-05	5.42E-05	4.75E-05	1.53E-08	4.63E-08	2.68E-08	3.28E-08	2.98E-08	1.36E-08	1.19E-08	5.12E-10	1.24E-08	2.73E-09	4.46E-09	7.07E-09	1.25E-09	7.85E-10	2.92E-08
4177	479863.09	3855877.25	6.04E-05	7.40E-05	6.49E-05	2.09E-08	6.32E-08	3.66E-08	4.48E-08	4.06E-08	1.85E-08	1.63E-08	6.99E-10	1.69E-08	3.73E-09	6.09E-09	9.65E-09	1.70E-09	1.07E-09	3.98E-08
4178	480363.09	3855877.25	8.56E-05	1.05E-04	9.19E-05	2.97E-08	8.96E-08	5.19E-08	6.35E-08	5.76E-08	2.63E-08	2.30E-08	9.91E-10	2.39E-08	5.28E-09	8.62E-09	1.37E-08	2.41E-09	1.52E-09	5.64E-08
4179	480863.09	3855877.25	1.20E-04	1.47E-04	1.29E-04	4.16E-08	1.26E-07	7.27E-08	8.91E-08	8.08E-08	3.69E-08	3.23E-08	1.39E-09	3.36E-08	7.41E-09	1.21E-08	1.92E-08	3.38E-09	2.13E-09	7.92E-08
4180	481363.09	3855877.25	1.43E-04	1.76E-04	1.54E-04	4.97E-08	1.50E-07	8.68E-08	1.06E-07	9.64E-08	4.40E-08	3.85E-08	1.66E-09	4.01E-08	8.84E-09	1.44E-08	2.29E-08	4.04E-09	2.54E-09	9.45E-08
4181	481863.09	3855877.25	1.99E-04	2.43E-04	2.13E-04	6.88E-08	2.08E-07	1.20E-07	1.47E-07	1.34E-07	6.09E-08	5.34E-08	2.30E-09	5.55E-08	1.22E-08	2.00E-08	3.17E-08	5.59E-09	3.52E-09	1.31E-07
4182	482363.09	3855877.25	2.28E-04	2.80E-04	2.45E-04	7.92E-08	2.39E-07	1.38E-07	1.69E-07	1.54E-07	7.01E-08	6.14E-08	2.64E-09	6.38E-08	1.41E-08	2.30E-08	3.65E-08	6.43E-09	4.05E-09	1.51E-07
4183	482863.09	3855877.25	2.89E-04	3.54E-04	3.10E-04	1.00E-07	3.03E-07	1.75E-07	2.15E-07	1.94E-07	8.87E-08	7.78E-08	3.35E-09	8.08E-08	1.78E-08	2.91E-08	4.62E-08	8.14E-09	5.13E-09	1.91E-07
4184	483363.09	3855877.25	3.78E-04	4.63E-04	4.06E-04	1.31E-07	3.95E-07	2.29E-07	2.80E-07	2.54E-07	1.16E-07	1.02E-07	4.37E-09	1.06E-07	2.33E-08	3.81E-08	6.04E-08	1.06E-08	6.71E-09	2.49E-07
4185	483863.09	3855877.25	5.24E-04	6.42E-04	5.63E-04	1.82E-07	5.48E-07	3.17E-07	3.89E-07	3.52E-07	1.61E-07	1.41E-07	6.06E-09	1.46E-07	3.23E-08	5.28E-08	8.37E-08	1.48E-08	9.30E-09	3.45E-07
4186	484363.09	3855877.25	8.14E-04	9.97E-04	8.75E-04	2.82E-07	8.52E-07	4.93E-07	6.04E-07	5.47E-07	2.50E-07	2.19E-07	9.42E-09	2.27E-07	5.02E-08	8.20E-08	1.30E-07	2.29E-08	1.45E-08	5.37E-07
4187	484863.09	3855877.25	1.66E-03	2.03E-03	1.78E-03	5.74E-07	1.73E-06	1.00E-06	1.23E-06	1.11E-06	5.08E-07	4.47E-07	1.92E-08	4.63E-07	1.02E-07	1.67E-07	2.65E-07	4.66E-08	2.95E-08	1.09E-06
4188	485363.09	3855877.25	7.07E-03	8.66E-03	7.64E-03	2.45E-06	7.40E-06	4.29E-06	5.25E-06	4.76E-06	2.17E-06	1.91E-06	8.19E-08	1.98E-06	4.36E-07	7.13E-07	1.13E-06	1.99E-07	1.26E-07	4.66E-06
4189	485863.09	3855877.25	6.24E-03	7.64E-03	6.73E-03	2.16E-06	6.53E-06	3.78E-06	4.63E-06	4.20E-06	1.91E-06	1.69E-06	7.22E-08	1.74E-06	3.85E-07	6.28E-07	9.97E-07	1.76E-07	1.11E-07	4.11E-06
4190	486363.09	3855877.25	2.54E-03	3.11E-03	2.73E-03	8.79E-07	2.65E-06	1.54E-06	1.88E-06	1.71E-06	7.78E-07	6.85E-07	2.93E-08	7.09E-07	1.56E-07	2.55E-07	4.05E-07	7.14E-08	4.52E-08	1.67E-06
4191	486863.09	3855877.25	1.69E-03	2.08E-03	1.83E-03	5.87E-07	1.77E-06	1.03E-06	1.26E-06	1.14E-06	5.20E-07	4.58E-07	1.96E-08	4.74E-07	1.05E-07	1.71E-07	2.71E-07	4.77E-08	3.02E-08	1.12E-06
4192	487363.09	3855877.25	1.37E-03	1.68E-03	1.48E-03	4.76E-07	1.44E-06	8.31E-07	1.02E-06	9.23E-07	4.21E-07	3.71E-07	1.59E-08	3.84E-07	8.47E-08	1.38E-07	2.19E-07	3.87E-08	2.44E-08	9.05E-07
4193	487863.09	3855877.25	1.14E-03	1.40E-03	1.23E-03	3.97E-07	1.20E-06	6.93E-07	8.49E-07	7.70E-07	3.51E-07	3.09E-07	1.32E-08	3.20E-07	7.06E-08	1.15E-07	1.83E-07	3.22E-08	2.04E-08	7.55E-07
4194	488363.09	3855877.25	9.66E-04	1.18E-03	1.04E-03	3.35E-07	1.01E-06	5.85E-07	7.17E-07	6.50E-07	2.96E-07	2.61E-07	1.12E-08	2.70E-07	5.96E-08	9.73E-08	1.54E-07	2.72E-08	1.72E-08	6.37E-07
4195	488863.09	3855877.25	8.29E-04	1.02E-03	8.93E-04	2.87E-07	8.68E-07	5.02E-07	6.15E-07	5.58E-07	2.55E-07	2.24E-07	9.60E-09	2.32E-07	5.12E-08	8.35E-08	1.33E-07	2.34E-08	1.48E-08	5.47E-07
4196	489363.09	3855877.25	7.20E-04	8.82E-04	7.75E-04	2.50E-07	7.54E-07	4.36E-07	5.34E-07	4.84E-07	2.21E-07	1.94E-07	8.34E-09	2.01E-07	4.44E-08	7.26E-08	1.15E-07	2.03E-08	1.28E-08	4.75E-07
4197	489863.09	3855877.25	6.32E-04	7.74E-04	6.80E-04	2.19E-07	6.61E-07	3.83E-07	4.69E-07	4.25E-07	1.94E-07	1.70E-07	7.31E-09	1.77E-07	3.90E-08	6.37E-08	1.01E-07	1.78E-08	1.12E-08	4.17E-07
4198	490363.09	3855877.25	5.60E-04	6.86E-04	6.02E-04	1.94E-07	5.86E-07	3.39E-07	4.16E-07	3.77E-07	1.72E-07	1.51E-07	6.48E-09	1.57E-07	3.46E-08	5.64E-08	8.95E-08	1.58E-08	9.95E-09	3.69E-07
4199	490863.09	3855877.25	4.97E-04	6.08E-04	5.34E-04	1.72E-07	5.20E-07	3.01E-07	3.69E-07	3.34E-07	1.52E-07	1.34E-07	5.75E-09	1.39E-07	3.06E-08	5.00E-08	7.94E-08	1.40E-08	8.82E-09	3.27E-07
4200	491363.09	3855877.25	4.24E-04	5.19E-04	4.55E-04	1.47E-07	4.43E-07	2.57E-07	3.14E-07	2.85E-07	1.30E-07	1.14E-07	4.90E-09	1.18E-07	2.61E-08	4.27E-08	6.77E-08	1.19E-08	7.52E-09	2.79E-07
4201	491863.09	3855877.25	4.01E-04	4.91E-04	4.30E-04	1.39E-07	4.19E-07	2.43E-07	2.97E-07	2.69E-07	1.23E-07	1.08E-07	4.64E-09	1.12E-07	2.47E-08	4.04E-08	6.40E-08	1.13E-08	7.11E-09	2.64E-07
4202	492363.09	3855877.25	3.58E-04	4.38E-04	3.84E-04	1.24E-07	3.74E-07	2.17E-07	2.65E-07	2.41E-07	1.10E-07	9.63E-08	4.14E-09	1.00E-07	2.21E-08	3.60E-08	5.72E-08	1.01E-08	6.35E-09	2.36E-07

4203	492863.09	3855877.25	3.21E-04	3.93E-04	3.44E-04	1.11E-07	3.35E-07	1.94E-07	2.38E-07	2.16E-07	9.84E-08	8.63E-08	3.71E-09	8.96E-08	1.98E-08	3.23E-08	5.12E-08	9.03E-09	5.69E-09	2.11E-07
4204	493363.09	3855877.25	2.53E-04	3.09E-04	2.71E-04	8.75E-08	2.64E-07	1.53E-07	1.87E-07	1.70E-07	7.75E-08	6.80E-08	2.92E-09	7.06E-08	1.56E-08	2.54E-08	4.04E-08	7.11E-09	4.48E-09	1.67E-07
4205	493863.09	3855877.25	1.78E-04	2.18E-04	1.91E-04	6.15E-08	1.86E-07	1.08E-07	1.32E-07	1.19E-07	5.45E-08	4.78E-08	2.06E-09	4.96E-08	1.10E-08	1.79E-08	2.84E-08	5.00E-09	3.15E-09	1.17E-07
4206	494363.09	3855877.25	1.23E-04	1.50E-04	1.32E-04	4.25E-08	1.28E-07	7.42E-08	9.09E-08	8.24E-08	3.76E-08	3.30E-08	1.42E-09	3.42E-08	7.56E-09	1.23E-08	1.96E-08	3.45E-09	2.17E-09	8.08E-08
4207	494863.09	3855877.25	9.06E-05	1.11E-04	9.73E-05	3.14E-08	9.48E-08	5.49E-08	6.72E-08	6.09E-08	2.78E-08	2.44E-08	1.05E-09	2.53E-08	5.59E-09	9.12E-09	1.45E-08	2.55E-09	1.61E-09	5.97E-08
4208	495363.09	3855877.25	6.41E-05	7.85E-05	6.89E-05	2.22E-08	6.71E-08	3.88E-08	4.76E-08	4.31E-08	1.97E-08	1.73E-08	7.42E-10	1.79E-08	3.96E-09	6.46E-09	1.02E-08	1.81E-09	1.14E-09	4.23E-08
4209	495863.09	3855877.25	6.03E-05	7.39E-05	6.48E-05	2.09E-08	6.31E-08	3.66E-08	4.48E-08	4.06E-08	1.85E-08	1.62E-08	6.98E-10	1.69E-08	3.72E-09	6.08E-09	9.64E-09	1.70E-09	1.07E-09	3.98E-08
4210	496363.09	3855877.25	5.79E-05	7.09E-05	6.21E-05	2.01E-08	6.06E-08	3.51E-08	4.29E-08	3.89E-08	1.78E-08	1.56E-08	6.70E-10	1.62E-08	3.57E-09	5.83E-09	9.25E-09	1.63E-09	1.03E-09	3.82E-08
4211	496863.09	3855877.25	5.82E-05	7.12E-05	6.24E-05	2.02E-08	6.09E-08	3.52E-08	4.31E-08	3.91E-08	1.78E-08	1.56E-08	6.73E-10	1.63E-08	3.59E-09	5.86E-09	9.29E-09	1.64E-09	1.03E-09	3.83E-08
4212	497363.09	3855877.25	5.90E-05	7.22E-05	6.33E-05	2.04E-08	6.17E-08	3.57E-08	4.38E-08	3.97E-08	1.81E-08	1.59E-08	6.83E-10	1.65E-08	3.64E-09	5.94E-09	9.43E-09	1.66E-09	1.05E-09	3.89E-08
4213	497863.09	3855877.25	6.11E-05	7.48E-05	6.56E-05	2.12E-08	6.39E-08	3.70E-08	4.53E-08	4.11E-08	1.87E-08	1.64E-08	7.07E-10	1.71E-08	3.77E-09	6.15E-09	9.76E-09	1.72E-09	1.08E-09	4.02E-08
4214	498363.09	3855877.25	6.80E-05	8.32E-05	7.30E-05	2.36E-08	7.11E-08	4.12E-08	5.04E-08	4.57E-08	2.09E-08	1.83E-08	7.87E-10	1.90E-08	4.19E-09	6.85E-09	1.09E-08	1.91E-09	1.21E-09	4.48E-08
4215	471363.09	3856377.25	1.77E-05	2.17E-05	1.90E-05	6.13E-09	1.85E-08	1.07E-08	1.31E-08	1.19E-08	5.43E-09	4.76E-09	2.05E-10	4.94E-09	1.09E-09	1.78E-09	2.83E-09	4.98E-10	3.14E-10	1.17E-08
4216	471863.09	3856377.25	1.86E-05	2.27E-05	1.99E-05	6.43E-09	1.94E-08	1.12E-08	1.38E-08	1.25E-08	5.69E-09	4.99E-09	2.15E-10	5.19E-09	1.14E-09	1.87E-09	2.97E-09	5.23E-10	3.29E-10	1.22E-08
4217	472363.09	3856377.25	2.00E-05	2.44E-05	2.14E-05	6.91E-09	2.09E-08	1.21E-08	1.48E-08	1.34E-08	6.12E-09	5.37E-09	2.31E-10	5.58E-09	1.23E-09	2.01E-09	3.19E-09	5.62E-10	3.54E-10	1.32E-08
4218	472863.09	3856377.25	2.17E-05	2.65E-05	2.33E-05	7.51E-09	2.27E-08	1.31E-08	1.61E-08	1.46E-08	6.65E-09	5.83E-09	2.51E-10	6.06E-09	1.34E-09	2.18E-09	3.46E-09	6.10E-10	3.84E-10	1.43E-08
4219	473363.09	3856377.25	2.33E-05	2.85E-05	2.50E-05	8.07E-09	2.44E-08	1.41E-08	1.73E-08	1.57E-08	7.15E-09	6.26E-09	2.69E-10	6.51E-09	1.44E-09	2.35E-09	3.72E-09	6.56E-10	4.13E-10	1.53E-08
4220	473863.09	3856377.25	2.58E-05	3.16E-05	2.77E-05	8.93E-09	2.70E-08	1.56E-08	1.91E-08	1.73E-08	7.91E-09	6.94E-09	2.98E-10	7.21E-09	1.59E-09	2.60E-09	4.12E-09	7.26E-10	4.57E-10	1.70E-08
4221	474363.09	3856377.25	2.63E-05	3.22E-05	2.82E-05	9.11E-09	2.75E-08	1.59E-08	1.95E-08	1.77E-08	8.07E-09	7.08E-09	3.04E-10	7.35E-09	1.62E-09	2.65E-09	4.20E-09	7.41E-10	4.67E-10	1.73E-08
4222	474863.09	3856377.25	2.59E-05	3.17E-05	2.78E-05	8.96E-09	2.71E-08	1.57E-08	1.92E-08	1.74E-08	7.94E-09	6.96E-09	2.99E-10	7.23E-09	1.60E-09	2.61E-09	4.13E-09	7.29E-10	4.59E-10	1.71E-08
4223	475363.09	3856377.25	2.18E-05	2.67E-05	2.34E-05	7.55E-09	2.28E-08	1.32E-08	1.62E-08	1.47E-08	6.69E-09	5.87E-09	2.52E-10	6.09E-09	1.34E-09	2.20E-09	3.48E-09	6.14E-10	3.87E-10	1.44E-08
4224	475863.09	3856377.25	1.51E-05	1.85E-05	1.62E-05	5.23E-09	1.58E-08	9.14E-09	1.12E-08	1.01E-08	4.63E-09	4.06E-09	1.75E-10	4.22E-09	9.31E-10	1.52E-09	2.41E-09	4.25E-10	2.68E-10	9.95E-09
4225	476363.09	3856377.25	1.42E-05	1.74E-05	1.52E-05	4.91E-09	1.48E-08	8.59E-09	1.05E-08	9.54E-09	4.35E-09	3.82E-09	1.64E-10	3.96E-09	8.75E-10	1.43E-09	2.27E-09	3.99E-10	2.52E-10	9.35E-09
4226	476863.09	3856377.25	1.46E-05	1.79E-05	1.57E-05	5.07E-09	1.53E-08	8.86E-09	1.09E-08	9.84E-09	4.49E-09	3.94E-09	1.69E-10	4.09E-09	9.02E-10	1.47E-09	2.34E-09	4.12E-10	2.60E-10	9.65E-09
4227	477363.09	3856377.25	1.59E-05	1.95E-05	1.71E-05	5.52E-09	1.67E-08	9.65E-09	1.18E-08	1.07E-08	4.89E-09	4.29E-09	1.84E-10	4.45E-09	9.82E-10	1.60E-09	2.54E-09	4.49E-10	2.83E-10	1.05E-08
4228	477863.09	3856377.25	1.28E-05	1.57E-05	1.38E-05	4.45E-09	1.34E-08	7.78E-09	9.53E-09	8.64E-09	3.94E-09	3.46E-09	1.49E-10	3.59E-09	7.92E-10	1.29E-09	2.05E-09	3.62E-10	2.28E-10	8.47E-09
4229	478363.09	3856377.25	1.16E-05	1.42E-05	1.25E-05	4.02E-09	1.21E-08	7.03E-09	8.60E-09	7.80E-09	3.56E-09	3.12E-09	1.34E-10	3.24E-09	7.15E-10	1.17E-09	1.85E-09	3.27E-10	2.06E-10	7.65E-09
4230	478863.09	3856377.25	2.43E-05	2.98E-05	2.61E-05	8.42E-09	2.54E-08	1.47E-08	1.80E-08	1.63E-08	7.46E-09	6.54E-09	2.81E-10	6.79E-09	1.50E-09	2.45E-09	3.88E-09	6.84E-10	4.31E-10	1.60E-08
4231	479363.09	3856377.25	3.34E-05	4.09E-05	3.59E-05	1.16E-08	3.49E-08	2.02E-08	2.48E-08	2.25E-08	1.02E-08	8.99E-09	3.86E-10	9.33E-09	2.06E-09	3.36E-09	5.34E-09	9.41E-10	5.93E-10	2.20E-08
4232	479863.09	3856377.25	5.96E-05	7.31E-05	6.41E-05	2.07E-08	6.24E-08	3.61E-08	4.43E-08	4.01E-08	1.83E-08	1.60E-08	6.90E-10	1.67E-08	3.68E-09	6.01E-09	9.53E-09	1.68E-09	1.06E-09	3.93E-08
4233	480363.09	3856377.25	9.08E-05	1.11E-04	9.74E-05	3.15E-08	9.50E-08	5.50E-08	6.73E-08	6.10E-08	2.79E-08	2.44E-08	1.05E-09	2.54E-08	5.60E-09	9.14E-09	1.45E-08	2.56E-09	1.61E-09	5.98E-08
4234	480863.09	3856377.25	1.20E-04	1.46E-04	1.28E-04	4.14E-08	1.25E-07	7.24E-08	8.87E-08	8.04E-08	3.67E-08	3.21E-08	1.38E-09	3.34E-08	7.37E-09	1.20E-08	1.91E-08	3.37E-09	2.12E-09	7.88E-08
4235	481363.09	3856377.25	1.52E-04	1.87E-04	1.63E-04	5.28E-08	1.59E-07	9.23E-08	1.13E-07	1.02E-07	4.68E-08	4.10E-08	1.76E-09	4.26E-08	9.40E-09	1.53E-08	2.43E-08	4.29E-09	2.70E-09	1.00E-07
4236	481863.09	3856377.25	1.82E-04	2.23E-04	1.95E-04	6.30E-08	1.90E-07	1.10E-07	1.35E-07	1.22E-07	5.58E-08	4.89E-08	2.10E-09	5.08E-08	1.12E-08	1.83E-08	2.90E-08	5.12E-09	3.23E-09	1.20E-07
4237	482363.09	3856377.25	2.04E-04	2.50E-04	2.19E-04	7.08E-08	2.14E-07	1.24E-07	1.51E-07	1.37E-07	6.27E-08	5.50E-08	2.36E-09	5.71E-08	1.26E-08	2.06E-08	3.26E-08	5.75E-09	3.62E-09	1.35E-07
4238	482863.09	3856377.25	2.49E-04	3.06E-04	2.68E-04	8.65E-08	2.61E-07	1.51E-07	1.85E-07	1.68E-07	7.66E-08	6.71E-08	2.89E-09	6.97E-08	1.54E-08	2.51E-08	3.99E-08	7.03E-09	4.43E-09	1.64E-07
4239	483363.09	3856377.25	3.12E-04	3.82E-04	3.35E-04	1.08E-07	3.26E-07	1.89E-07	2.31E-07	2.10E-07	9.57E-08	8.39E-08	3.61E-09	8.72E-08	1.92E-08	3.14E-08	4.98E-08	8.78E-09	5.54E-09	2.06E-07
4240	483863.09	3856377.25	4.01E-04	4.91E-04	4.31E-04	1.39E-07	4.19E-07	2.43E-07	2.97E-07	2.69E-07	1.23E-07	1.08E-07	4.64E-09	1.12E-07	2.47E-08	4.04E-08	6.40E-08	1.13E-08	7.12E-09	2.64E-07
4241	484363.09	3856377.25	5.25E-04	6.42E-04	5.64E-04	1.82E-07	5.49E-07	3.18E-07	3.89E-07	3.53E-07	1.61E-07	1.41E-07	6.07E-09	1.47E-07	3.24E-08	5.28E-08	8.38E-08	1.48E-08	9.33E-09	3.46E-07
4242	484863.09	3856377.25	7.54E-04	9.23E-04	8.12E-04	2.61E-07	7.89E-07	4.57E-07	5.59E-07	5.07E-07	2.31E-07	2.03E-07	8.72E-09	2.11E-07	4.65E-08	7.59E-08	1.20E-07	2.12E-08	1.34E-08	4.97E-07
4243	485363.09	3856377.25	1.38E-03	1.69E-03	1.49E-03	4.80E-07	1.45E-06	8.38E-07	1.03E-06	9.31E-07	4.25E-07	3.74E-07	1.60E-08	3.87E-07	8.53E-08	1.39E-07	2.21E-07	3.90E-08	2.47E-08	9.12E-07
4244	485863.09	3856377.25	5.25E-03	6.43E-03	5.67E-03	1.82E-06	5.50E-06	3.18E-06	3.90E-06	3.53E-06	1.61E-06	1.42E-06	6.08E-08	1.47E-06	3.24E-07	5.29E-07	8.39E-07	1.48E-07	9.37E-08	3.46E-06
4245	486363.09	3856377.25	6.64E-03	8.14E-03	7.17E-03	2.30E-06	6.95E-06	4.02E-06	4.93E-06	4.47E-06	2.04E-06	1.80E-06	7.69E-08	1.86E-06	4.10E-07	6.69E-07	1.06E-06	1.87E-07	1.19E-07	4.38E-06
4246	486863.09	3856377.25	3.07E-03	3.77E-03	3.32E-03	1.07E-06	3.22E-06	1.86E-06	2.28E-06	2.07E-06	9.44E-07	8.31E-07	3.56E-08	8.60E-07	1.90E-07	3.10E-07	4.91E-07	8.66E-08	5.48E-08	2.03E-06
4247	487363.09	3856377.25	2.04E-03	2.50E-03	2.20E-03	7.08E-07	2.14E-06	1.24E-06	1.52E-06	1.37E-06	6.27E-07	5.52E-07	2.37E-08	5.71E-07	1.26E-07	2.06E-07	3.27E-07	5.76E-08	3.64E-08	1.35E-06
4248	487863.09	3856377.25	1.54E-03	1.88E-03	1.65E-03	5.32E-07	1.61E-06	9.30E-07	1.14E-06	1.03E-06	4.71E-07	4.15E-07	1.78E-08	4.29E-07	9.47E-08	1.55E-07	2.45E-07	4.32E-08	2.73E-08	1.01E-06
4249	488363.09	3856377.25	1.22E-03	1.49E-03	1.31E-03	4.22E-07	1.27E-06	7.37E-07	9.03E-07	8.18E-07	3.73E-07	3.28E-07	1.41E-08	3.40E-07	7.51E-08	1.23E-07	1.94E-07	3.43E-08	2.17E-08	8.02E-07
4250	488863.09	3856377.25	1.00E-03	1.22E-03	1.08E-03	3.46E-07	1.05E-06	6.06E-07	7.42E-07	6.72E-07	3.07E-07	2.69E-07	1.16E-08	2.79E-07	6.17E-08	1.01E-07	1.60E-07	2.82E-08	1.78E-08	6.59E-07
4251	489363.09	3856377.25	8.42E-04	1.03E-03	9.05E-04	2.92E-07	8.81E-07	5.10E-07	6.25E-07	5.66E-07	2.58E-07	2.27E-07	9.74E-09	2.35E-07	5.19E-08	8.48E-08	1.35E-07	2.37E-08	1.50E-08	5.55E-07
4252	489863.09	3856377.25	7.22E-04	8.85E-04	7.76E-04	2.50E-07	7.56E-07	4.38E-07	5.36E-07	4.86E-07	2.22E-07	1.94E-07	8.36E-09	2.02E-07	4.46E-08	7.28E-08	1.15E-07	2.03E-08	1.28E-08	4.76E-07
4253	490363.09	3856377.25	6.27E-04	7.68E-04	6.73E-04	2.17E-07	6.56E-07	3.80E-07	4.65E-07	4.22E-07	1.92E-07	1.69E-07	7.26E-09	1.75E-07	3.87E-08	6.32E-08	1.00E-07	1.77E-08	1.11E-08	4.13E-07
4254	490863.09	3856377.25	5.51E-04	6.74E-04	5.91E-04	1.91E-07	5.76E-07	3.33E-07	4.08E-07	3.70E-07	1.69E-07	1.48E-07	6.37E-09	1.54E-07	3.40E-08	5.55E-08	8.80E-08	1.55E-08	9.77E-09	3.63E-07
4255	491363.09	3856377.25	4.87E-04	5.97E-04	5.23E-04	1.69E-07	5.10E-07	2.95E-07	3.61E-07	3.28E-07	1.49E-07	1.31E-07	5.64E-09	1.36E-07	3.00E-08	4.91E-08	7.78E-08	1.37E-08	8.64E-09	3.21E-07
4256	491863.09	3856377.25	4.33E-04	5.30E-04	4.64E-04	1.50E-07	4.53E-07	2.62E-07	3.21E-07	2.91E-07	1.33E-07	1.16E-07	5.01E-09	1.21E-07	2.67E-08	4.36E-08	6.91E-08	1.22E-08	7.68E-09	2.85E-07
4257	492363.09	3856377.25	3.81E-04	4.66E-04	4.09E-04	1.32E-07	3.98E-07	2.31E-07	2.83E-07	2.56E-07	1.17E-07	1.02E-07	4.41E-09	1.06E-07	2.35E-08	3.84E-08	6.09E-08	1.07E-08	6.75E-09	2.51E-07
4258	492863.09	3856377.25	3.14E-04	3.85E-04	3.37E-04	1.09E-07	3.29E-07	1.90E-07	2.33E-07	2.11E-07	9.64E-08	8.45E-08	3.64E-09	8.78E-08	1.94E-08	3.16E-08	5.02E-08	8.85E-09	5.57E-09	2.07E-07
4259	493363.09	3856377.25	2.03E-04	2.48E-04	2.18E-04	7.03E-08	2.12E-07	1.23E-07	1.50E-07	1.36E-07	6.22E-08	5.46E-08	2.35E-09	5.67E-08	1.25E-08	2.04E-08	3.24E-08	5.71E-09	3.60E-09	1.34E-07
4260	493863.09	3856377.25	1.53E-04	1.87E-04	1.64E-04	5.30E-08	1.60E-07	9.26E-08	1.13E-07	1.03E-07	4.69E-08	4.11E-08	1.77E-09	4.27E-08	9.43E-09	1.54E-08	2.44E-08	4.31E-09	2.71E-09	1.01E-07
4261	494363.09	3856377.25	1.08E-04	1.32E-04	1.16E-04	3.74E-08	1.13E-07	6.54E-08	8.01E-08	7.27E-08	3.32E-08	2.91E-08	1.25E-09	3.02E-08	6.66E-09	1.09E-08	1.73E-08	3.04E-09	1.92E-09	7.12E-08
4262	494863.09	3856377.25	7.92E-05	9.70E-05	8.50E-05	2.74E-08	8.29E-08	4.80E-08	5.88E-08	5.33E-08	2.43E-08	2.13E-08	9.17E-10	2.21E-08	4.89E-09	7.98E-09	1.27E-08	2.23E-09	1.41E-09	5.22E-08
4263	495363.09	3856377.25	6.31E-05	7.73E-05	6.78E-05	2.19E-08	6.60E-08	3.82E-08	4.68E-08	4.24E-08	1.94E-08	1.70E-08	7.30E-10	1.76E-08	3.89E-09	6.36E-09	1.01E-08	1.78E-09	1.12E-09	4.16E-08

4264	495863.09	3856377.25	5.90E-05	7.22E-05	6.33E-05	2.04E-08	6.17E-08	3.57E-08	4.37E-08	3.97E-08	1.81E-08	1.59E-08	6.82E-10	1.65E-08	3.64E-09	5.94E-09	9.42E-09	1.66E-09	1.05E-09	3.89E-08
4265	496363.09	3856377.25	5.77E-05	7.07E-05	6.20E-05	2.00E-08	6.04E-08	3.50E-08	4.28E-08	3.88E-08	1.77E-08	1.55E-08	6.68E-10	1.61E-08	3.56E-09	5.81E-09	9.22E-09	1.63E-09	1.02E-09	3.80E-08
4266	496863.09	3856377.25	6.06E-05	7.42E-05	6.51E-05	2.10E-08	6.34E-08	3.67E-08	4.50E-08	4.08E-08	1.86E-08	1.63E-08	7.01E-10	1.69E-08	3.74E-09	6.10E-09	9.68E-09	1.71E-09	1.08E-09	3.99E-08
4267	497363.09	3856377.25	6.29E-05	7.70E-05	6.75E-05	2.18E-08	6.58E-08	3.81E-08	4.67E-08	4.23E-08	1.93E-08	1.69E-08	7.28E-10	1.76E-08	3.88E-09	6.34E-09	1.01E-08	1.77E-09	1.12E-09	4.15E-08
4268	497863.09	3856377.25	6.77E-05	8.29E-05	7.27E-05	2.35E-08	7.08E-08	4.10E-08	5.02E-08	4.55E-08	2.08E-08	1.82E-08	7.83E-10	1.89E-08	4.17E-09	6.82E-09	1.08E-08	1.91E-09	1.20E-09	4.46E-08
4269	498363.09	3856377.25	7.43E-05	9.10E-05	7.98E-05	2.58E-08	7.78E-08	4.50E-08	5.52E-08	5.00E-08	2.28E-08	2.00E-08	8.60E-10	2.08E-08	4.59E-09	7.49E-09	1.19E-08	2.09E-09	1.32E-09	4.90E-08
4270	471363.09	3856877.25	1.81E-05	2.22E-05	1.94E-05	6.28E-09	1.90E-08	1.10E-08	1.34E-08	1.22E-08	5.56E-09	4.87E-09	2.10E-10	5.06E-09	1.12E-09	1.82E-09	2.89E-09	5.10E-10	3.21E-10	1.19E-08
4271	471863.09	3856877.25	1.88E-05	2.30E-05	2.02E-05	6.52E-09	1.97E-08	1.14E-08	1.40E-08	1.27E-08	5.77E-09	5.06E-09	2.18E-10	5.26E-09	1.16E-09	1.90E-09	3.01E-09	5.30E-10	3.34E-10	1.24E-08
4272	472363.09	3856877.25	2.01E-05	2.47E-05	2.16E-05	6.98E-09	2.11E-08	1.22E-08	1.49E-08	1.36E-08	6.18E-09	5.42E-09	2.33E-10	5.63E-09	1.24E-09	2.03E-09	3.22E-09	5.67E-10	3.57E-10	1.33E-08
4273	472863.09	3856877.25	2.16E-05	2.64E-05	2.32E-05	7.48E-09	2.26E-08	1.31E-08	1.60E-08	1.45E-08	6.62E-09	5.81E-09	2.50E-10	6.03E-09	1.33E-09	2.17E-09	3.45E-09	6.08E-10	3.83E-10	1.42E-08
4274	473363.09	3856877.25	2.39E-05	2.93E-05	2.57E-05	8.29E-09	2.50E-08	1.45E-08	1.77E-08	1.61E-08	7.34E-09	6.43E-09	2.77E-10	6.69E-09	1.48E-09	2.41E-09	3.82E-09	6.74E-10	4.24E-10	1.58E-08
4275	473863.09	3856877.25	2.56E-05	3.14E-05	2.75E-05	8.89E-09	2.68E-08	1.55E-08	1.90E-08	1.73E-08	7.87E-09	6.90E-09	2.97E-10	7.17E-09	1.58E-09	2.58E-09	4.10E-09	7.22E-10	4.55E-10	1.69E-08
4276	474363.09	3856877.25	2.59E-05	3.18E-05	2.78E-05	8.98E-09	2.71E-08	1.57E-08	1.92E-08	1.74E-08	7.96E-09	6.97E-09	3.00E-10	7.25E-09	1.60E-09	2.61E-09	4.14E-09	7.30E-10	4.60E-10	1.71E-08
4277	474863.09	3856877.25	2.52E-05	3.09E-05	2.71E-05	8.74E-09	2.64E-08	1.53E-08	1.87E-08	1.70E-08	7.74E-09	6.79E-09	2.92E-10	7.05E-09	1.56E-09	2.54E-09	4.03E-09	7.11E-10	4.48E-10	1.66E-08
4278	475363.09	3856877.25	2.23E-05	2.74E-05	2.40E-05	7.74E-09	2.34E-08	1.35E-08	1.66E-08	1.50E-08	6.86E-09	6.01E-09	2.59E-10	6.24E-09	1.38E-09	2.25E-09	3.57E-09	6.29E-10	3.96E-10	1.47E-08
4279	475863.09	3856877.25	2.27E-05	2.79E-05	2.44E-05	7.88E-09	2.38E-08	1.38E-08	1.69E-08	1.53E-08	6.98E-09	6.12E-09	2.63E-10	6.36E-09	1.40E-09	2.29E-09	3.64E-09	6.41E-10	4.04E-10	1.50E-08
4280	476363.09	3856877.25	2.01E-05	2.46E-05	2.15E-05	6.95E-09	2.10E-08	1.22E-08	1.49E-08	1.35E-08	6.16E-09	5.40E-09	2.32E-10	5.61E-09	1.24E-09	2.02E-09	3.21E-09	5.65E-10	3.56E-10	1.32E-08
4281	476863.09	3856877.25	1.95E-05	2.39E-05	2.10E-05	6.77E-09	2.04E-08	1.18E-08	1.45E-08	1.31E-08	5.99E-09	5.26E-09	2.26E-10	5.46E-09	1.20E-09	1.97E-09	3.12E-09	5.50E-10	3.47E-10	1.29E-08
4282	477363.09	3856877.25	1.74E-05	2.13E-05	1.86E-05	6.02E-09	1.82E-08	1.05E-08	1.29E-08	1.17E-08	5.33E-09	4.67E-09	2.01E-10	4.85E-09	1.07E-09	1.75E-09	2.78E-09	4.89E-10	3.08E-10	1.14E-08
4283	477863.09	3856877.25	1.17E-05	1.44E-05	1.26E-05	4.06E-09	1.23E-08	7.10E-09	8.70E-09	7.89E-09	3.60E-09	3.15E-09	1.36E-10	3.28E-09	7.23E-10	1.18E-09	1.87E-09	3.30E-10	2.08E-10	7.73E-09
4284	478363.09	3856877.25	1.04E-05	1.28E-05	1.12E-05	3.62E-09	1.09E-08	6.32E-09	7.74E-09	7.02E-09	3.20E-09	2.81E-09	1.21E-10	2.92E-09	6.44E-10	1.05E-09	1.67E-09	2.94E-10	1.85E-10	6.88E-09
4285	478863.09	3856877.25	1.36E-05	1.67E-05	1.47E-05	4.73E-09	1.43E-08	8.26E-09	1.01E-08	9.18E-09	4.19E-09	3.67E-09	1.58E-10	3.81E-09	8.42E-10	1.37E-09	2.18E-09	3.84E-10	2.42E-10	8.99E-09
4286	479363.09	3856877.25	1.90E-05	2.33E-05	2.04E-05	6.59E-09	1.99E-08	1.15E-08	1.41E-08	1.28E-08	5.84E-09	5.12E-09	2.20E-10	5.32E-09	1.17E-09	1.92E-09	3.04E-09	5.36E-10	3.38E-10	1.25E-08
4287	479863.09	3856877.25	5.44E-05	6.67E-05	5.85E-05	1.89E-08	5.70E-08	3.30E-08	4.04E-08	3.66E-08	1.67E-08	1.46E-08	6.30E-10	1.52E-08	3.36E-09	5.48E-09	8.70E-09	1.53E-09	9.66E-10	3.59E-08
4288	480363.09	3856877.25	8.81E-05	1.08E-04	9.46E-05	3.05E-08	9.22E-08	5.34E-08	6.54E-08	5.93E-08	2.70E-08	2.37E-08	1.02E-09	2.46E-08	5.44E-09	8.88E-09	1.41E-08	2.48E-09	1.56E-09	5.81E-08
4289	480863.09	3856877.25	1.16E-04	1.42E-04	1.25E-04	4.03E-08	1.22E-07	7.04E-08	8.62E-08	7.81E-08	3.57E-08	3.12E-08	1.34E-09	3.25E-08	7.16E-09	1.17E-08	1.86E-08	3.27E-09	2.06E-09	7.66E-08
4290	481363.09	3856877.25	1.40E-04	1.72E-04	1.51E-04	4.86E-08	1.47E-07	8.50E-08	1.04E-07	9.44E-08	4.31E-08	3.78E-08	1.62E-09	3.92E-08	8.66E-09	1.41E-08	2.24E-08	3.95E-09	2.49E-09	9.25E-08
4291	481863.09	3856877.25	1.65E-04	2.02E-04	1.77E-04	5.70E-08	1.72E-07	9.97E-08	1.22E-07	1.11E-07	5.05E-08	4.43E-08	1.90E-09	4.60E-08	1.01E-08	1.66E-08	2.63E-08	4.63E-09	2.92E-09	1.08E-07
4292	482363.09	3856877.25	1.83E-04	2.25E-04	1.97E-04	6.36E-08	1.92E-07	1.11E-07	1.36E-07	1.23E-07	5.63E-08	4.94E-08	2.12E-09	5.13E-08	1.13E-08	1.85E-08	2.93E-08	5.16E-09	3.26E-09	1.21E-07
4293	482863.09	3856877.25	2.15E-04	2.64E-04	2.31E-04	7.46E-08	2.25E-07	1.30E-07	1.60E-07	1.45E-07	6.61E-08	5.80E-08	2.49E-09	6.02E-08	1.33E-08	2.17E-08	3.44E-08	6.07E-09	3.82E-09	1.42E-07
4294	483363.09	3856877.25	2.59E-04	3.18E-04	2.79E-04	8.99E-08	2.72E-07	1.57E-07	1.93E-07	1.75E-07	7.96E-08	6.99E-08	3.00E-09	7.25E-08	1.60E-08	2.61E-08	4.15E-08	7.31E-09	4.61E-09	1.71E-07
4295	483863.09	3856877.25	3.18E-04	3.89E-04	3.41E-04	1.10E-07	3.32E-07	1.92E-07	2.36E-07	2.14E-07	9.75E-08	8.56E-08	3.68E-09	8.88E-08	1.96E-08	3.20E-08	5.08E-08	8.94E-09	5.64E-09	2.09E-07
4296	484363.09	3856877.25	3.96E-04	4.84E-04	4.26E-04	1.37E-07	4.14E-07	2.40E-07	2.93E-07	2.66E-07	1.21E-07	1.07E-07	4.58E-09	1.11E-07	2.44E-08	3.98E-08	6.32E-08	1.11E-08	7.03E-09	2.61E-07
4297	484863.09	3856877.25	5.05E-04	6.19E-04	5.44E-04	1.75E-07	5.29E-07	3.06E-07	3.75E-07	3.40E-07	1.55E-07	1.36E-07	5.85E-09	1.41E-07	3.12E-08	5.09E-08	8.08E-08	1.42E-08	8.99E-09	3.33E-07
4298	485363.09	3856877.25	7.14E-04	8.74E-04	7.68E-04	2.47E-07	7.47E-07	4.32E-07	5.29E-07	4.80E-07	2.19E-07	1.92E-07	8.26E-09	2.00E-07	4.40E-08	7.19E-08	1.14E-07	2.01E-08	1.27E-08	4.71E-07
4299	485863.09	3856877.25	1.19E-03	1.45E-03	1.28E-03	4.11E-07	1.24E-06	7.19E-07	8.80E-07	7.98E-07	3.64E-07	3.20E-07	1.37E-08	3.32E-07	7.32E-08	1.20E-07	1.90E-07	3.34E-08	2.11E-08	7.82E-07
4300	486363.09	3856877.25	5.40E-03	6.62E-03	5.83E-03	1.87E-06	5.65E-06	3.27E-06	4.01E-06	3.63E-06	1.66E-06	1.46E-06	6.25E-08	1.51E-06	3.33E-07	5.44E-07	8.64E-07	1.52E-07	9.64E-08	3.56E-06
4301	486863.09	3856877.25	8.01E-03	9.80E-03	8.64E-03	2.77E-06	8.38E-06	4.85E-06	5.94E-06	5.38E-06	2.46E-06	2.16E-06	9.26E-08	2.24E-06	4.94E-07	8.06E-07	1.28E-06	2.25E-07	1.43E-07	5.28E-06
4302	487363.09	3856877.25	3.21E-03	3.93E-03	3.45E-03	1.11E-06	3.36E-06	1.94E-06	2.38E-06	2.16E-06	9.84E-07	8.65E-07	3.71E-08	8.96E-07	1.98E-07	3.23E-07	5.12E-07	9.03E-08	5.71E-08	2.11E-06
4303	487863.09	3856877.25	1.95E-03	2.39E-03	2.09E-03	6.76E-07	2.04E-06	1.18E-06	1.45E-06	1.31E-06	5.98E-07	5.24E-07	2.26E-08	5.45E-07	1.20E-07	1.96E-07	3.12E-07	5.49E-08	3.46E-08	1.29E-06
4304	488363.09	3856877.25	1.43E-03	1.75E-03	1.53E-03	4.95E-07	1.49E-06	8.65E-07	1.06E-06	9.60E-07	4.38E-07	3.83E-07	1.65E-08	3.99E-07	8.81E-08	1.44E-07	2.28E-07	4.02E-08	2.53E-08	9.41E-07
4305	488863.09	3856877.25	1.13E-03	1.38E-03	1.21E-03	3.90E-07	1.18E-06	6.82E-07	8.35E-07	7.57E-07	3.45E-07	3.02E-07	1.30E-08	3.15E-07	6.94E-08	1.13E-07	1.80E-07	3.17E-08	1.99E-08	7.42E-07
4306	489363.09	3856877.25	9.20E-04	1.13E-03	9.85E-04	3.19E-07	9.63E-07	5.57E-07	6.83E-07	6.19E-07	2.82E-07	2.47E-07	1.06E-08	2.57E-07	5.68E-08	9.27E-08	1.47E-07	2.59E-08	1.63E-08	6.06E-07
4307	489863.09	3856877.25	7.72E-04	9.45E-04	8.27E-04	2.67E-07	8.07E-07	4.67E-07	5.72E-07	5.19E-07	2.37E-07	2.07E-07	8.93E-09	2.16E-07	4.76E-08	7.77E-08	1.23E-07	2.17E-08	1.37E-08	5.09E-07
4308	490363.09	3856877.25	6.59E-04	8.07E-04	7.06E-04	2.28E-07	6.90E-07	3.99E-07	4.89E-07	4.43E-07	2.02E-07	1.77E-07	7.63E-09	1.84E-07	4.07E-08	6.64E-08	1.05E-07	1.86E-08	1.17E-08	4.34E-07
4309	490863.09	3856877.25	5.70E-04	6.98E-04	6.11E-04	1.97E-07	5.96E-07	3.45E-07	4.23E-07	3.83E-07	1.75E-07	1.53E-07	6.59E-09	1.59E-07	3.51E-08	5.74E-08	9.10E-08	1.60E-08	1.01E-08	3.76E-07
4310	491363.09	3856877.25	4.99E-04	6.11E-04	5.35E-04	1.73E-07	5.22E-07	3.02E-07	3.70E-07	3.36E-07	1.53E-07	1.34E-07	5.78E-09	1.40E-07	3.08E-08	5.03E-08	7.98E-08	1.41E-08	8.84E-09	3.29E-07
4311	491863.09	3856877.25	4.40E-04	5.39E-04	4.72E-04	1.53E-07	4.61E-07	2.67E-07	3.27E-07	2.96E-07	1.35E-07	1.18E-07	5.10E-09	1.23E-07	2.72E-08	4.44E-08	7.04E-08	1.24E-08	7.80E-09	2.90E-07
4312	492363.09	3856877.25	3.64E-04	4.45E-04	3.90E-04	1.26E-07	3.80E-07	2.20E-07	2.70E-07	2.45E-07	1.12E-07	9.77E-08	4.21E-09	1.02E-07	2.24E-08	3.66E-08	5.81E-08	1.02E-08	6.45E-09	2.40E-07
4313	492863.09	3856877.25	2.86E-04	3.50E-04	3.06E-04	9.90E-08	2.99E-07	1.73E-07	2.12E-07	1.92E-07	8.77E-08	7.68E-08	3.31E-09	7.99E-08	1.76E-08	2.88E-08	4.56E-08	8.04E-09	5.07E-09	1.88E-07
4314	493363.09	3856877.25	2.04E-04	2.50E-04	2.19E-04	7.08E-08	2.14E-07	1.24E-07	1.52E-07	1.37E-07	6.27E-08	5.49E-08	2.36E-09	5.71E-08	1.26E-08	2.06E-08	3.26E-08	5.75E-09	3.62E-09	1.35E-07
4315	493863.09	3856877.25	1.35E-04	1.65E-04	1.45E-04	4.68E-08	1.41E-07	8.18E-08	1.00E-07	9.09E-08	4.15E-08	3.63E-08	1.56E-09	3.78E-08	8.33E-09	1.36E-08	2.16E-08	3.80E-09	2.40E-09	8.91E-08
4316	494363.09	3856877.25	9.39E-05	1.15E-04	1.01E-04	3.25E-08	9.82E-08	5.69E-08	6.96E-08	6.31E-08	2.88E-08	2.52E-08	1.09E-09	2.62E-08	5.79E-09	9.46E-09	1.50E-08	2.64E-09	1.66E-09	6.19E-08
4317	494863.09	3856877.25	7.69E-05	9.42E-05	8.26E-05	2.67E-08	8.05E-08	4.66E-08	5.71E-08	5.18E-08	2.36E-08	2.07E-08	8.91E-10	2.15E-08	4.75E-09	7.75E-09	1.23E-08	2.17E-09	1.36E-09	5.07E-08
4318	495363.09	3856877.25	6.76E-05	8.28E-05	7.26E-05	2.34E-08	7.08E-08	4.10E-08	5.02E-08	4.55E-08	2.08E-08	1.82E-08	7.83E-10	1.89E-08	4.17E-09	6.81E-09	1.08E-08	1.90E-09	1.20E-09	4.46E-08
4319	495863.09	3856877.25	6.45E-05	7.90E-05	6.92E-05	2.23E-08	6.75E-08	3.91E-08	4.78E-08	4.34E-08	1.98E-08	1.73E-08	7.46E-10	1.80E-08	3.98E-09	6.49E-09	1.03E-08	1.82E-09	1.14E-09	4.25E-08
4320	496363.09	3856877.25	6.26E-05	7.67E-05	6.72E-05	2.17E-08	6.55E-08	3.79E-08	4.65E-08	4.21E-08	1.92E-08	1.68E-08	7.25E-10	1.75E-08	3.86E-09	6.31E-09	1.00E-08	1.76E-09	1.11E-09	4.13E-08
4321	496863.09	3856877.25	6.32E-05	7.75E-05	6.79E-05	2.19E-08	6.62E-08	3.83E-08	4.69E-08	4.25E-08	1.94E-08	1.70E-08	7.32E-10	1.77E-08	3.90E-09	6.37E-09	1.01E-08	1.78E-09	1.12E-09	4.17E-08
4322	497363.09	3856877.25	6.61E-05	8.10E-05	7.10E-05	2.29E-08	6.92E-08	4.01E-08	4.91E-08	4.45E-08	2.03E-08	1.78E-08	7.65E-10	1.85E-08	4.08E-09	6.66E-09	1.06E-08	1.86E-09	1.17E-09	4.36E-08
4323	497863.09	3856877.25	7.41E-05	9.08E-05	7.95E-05	2.57E-08	7.75E-08	4.49E-08	5.50E-08	4.98E-08	2.27E-08	1.99E-08	8.57E-10	2.07E-08	4.57E-09	7.46E-09	1.18E-08	2.09E-09	1.31E-09	4.88E-08
4324	498363.09	3856877.25	8.38E-05	1.03E-04	9.00E-05	2.90E-08	8.77E-08	5.08E-08	6.22E-08	5.64E-08	2.57E-08	2.25E-08	9.70E-10	2.34E-08	5.17E-09	8.44E-09	1.34E-08	2.36E-09	1.49E-09	5.53E-08

4325	471363.09	3857377.25	1.84E-05	2.25E-05	1.98E-05	6.38E-09	1.93E-08	1.11E-08	1.37E-08	1.24E-08	5.65E-09	4.95E-09	2.13E-10	5.15E-09	1.14E-09	1.85E-09	2.94E-09	5.18E-10	3.27E-10	1.21E-08
4326	471863.09	3857377.25	1.91E-05	2.34E-05	2.05E-05	6.61E-09	2.00E-08	1.16E-08	1.42E-08	1.28E-08	5.85E-09	5.13E-09	2.21E-10	5.33E-09	1.18E-09	1.92E-09	3.05E-09	5.37E-10	3.39E-10	1.26E-08
4327	472363.09	3857377.25	2.02E-05	2.48E-05	2.17E-05	7.01E-09	2.12E-08	1.22E-08	1.50E-08	1.36E-08	6.20E-09	5.44E-09	2.34E-10	5.65E-09	1.25E-09	2.04E-09	3.23E-09	5.69E-10	3.59E-10	1.33E-08
4328	472863.09	3857377.25	2.17E-05	2.65E-05	2.33E-05	7.51E-09	2.27E-08	1.31E-08	1.61E-08	1.46E-08	6.65E-09	5.83E-09	2.51E-10	6.06E-09	1.34E-09	2.18E-09	3.46E-09	6.10E-10	3.85E-10	1.43E-08
4329	473363.09	3857377.25	2.35E-05	2.88E-05	2.53E-05	8.16E-09	2.46E-08	1.43E-08	1.75E-08	1.58E-08	7.23E-09	6.34E-09	2.72E-10	6.58E-09	1.45E-09	2.37E-09	3.76E-09	6.63E-10	4.18E-10	1.55E-08
4330	473863.09	3857377.25	2.58E-05	3.16E-05	2.77E-05	8.95E-09	2.70E-08	1.56E-08	1.92E-08	1.74E-08	7.92E-09	6.95E-09	2.99E-10	7.22E-09	1.59E-09	2.60E-09	4.13E-09	7.27E-10	4.58E-10	1.70E-08
4331	474363.09	3857377.25	2.55E-05	3.13E-05	2.74E-05	8.84E-09	2.67E-08	1.55E-08	1.89E-08	1.72E-08	7.83E-09	6.87E-09	2.95E-10	7.13E-09	1.57E-09	2.57E-09	4.08E-09	7.19E-10	4.53E-10	1.68E-08
4332	474863.09	3857377.25	2.09E-05	2.56E-05	2.24E-05	7.24E-09	2.19E-08	1.27E-08	1.55E-08	1.41E-08	6.41E-09	5.62E-09	2.42E-10	5.84E-09	1.29E-09	2.10E-09	3.34E-09	5.88E-10	3.71E-10	1.38E-08
4333	475363.09	3857377.25	1.47E-05	1.81E-05	1.58E-05	5.11E-09	1.54E-08	8.93E-09	1.09E-08	9.91E-09	4.52E-09	3.97E-09	1.71E-10	4.12E-09	9.09E-10	1.48E-09	2.36E-09	4.15E-10	2.62E-10	9.72E-09
4334	475863.09	3857377.25	1.38E-05	1.68E-05	1.48E-05	4.77E-09	1.44E-08	8.33E-09	1.02E-08	9.25E-09	4.22E-09	3.70E-09	1.59E-10	3.84E-09	8.48E-10	1.39E-09	2.20E-09	3.87E-10	2.44E-10	9.07E-09
4335	476363.09	3857377.25	1.86E-05	2.28E-05	2.00E-05	6.46E-09	1.95E-08	1.13E-08	1.38E-08	1.25E-08	5.72E-09	5.02E-09	2.16E-10	5.21E-09	1.15E-09	1.88E-09	2.98E-09	5.25E-10	3.31E-10	1.23E-08
4336	476863.09	3857377.25	2.03E-05	2.48E-05	2.18E-05	7.02E-09	2.12E-08	1.23E-08	1.50E-08	1.36E-08	6.22E-09	5.45E-09	2.35E-10	5.67E-09	1.25E-09	2.04E-09	3.24E-09	5.71E-10	3.60E-10	1.34E-08
4337	477363.09	3857377.25	1.77E-05	2.16E-05	1.90E-05	6.12E-09	1.85E-08	1.07E-08	1.31E-08	1.19E-08	5.42E-09	4.75E-09	2.04E-10	4.94E-09	1.09E-09	1.78E-09	2.82E-09	4.97E-10	3.13E-10	1.16E-08
4338	477863.09	3857377.25	1.30E-05	1.59E-05	1.39E-05	4.49E-09	1.36E-08	7.85E-09	9.61E-09	8.72E-09	3.98E-09	3.49E-09	1.50E-10	3.62E-09	7.99E-10	1.31E-09	2.07E-09	3.65E-10	2.30E-10	8.54E-09
4339	478363.09	3857377.25	9.78E-06	1.20E-05	1.05E-05	3.39E-09	1.02E-08	5.92E-09	7.26E-09	6.58E-09	3.00E-09	2.63E-09	1.13E-10	2.73E-09	6.03E-10	9.85E-10	1.56E-09	2.75E-10	1.74E-10	6.45E-09
4340	478863.09	3857377.25	8.38E-06	1.03E-05	9.01E-06	2.91E-09	8.77E-09	5.08E-09	6.22E-09	5.64E-09	2.57E-09	2.26E-09	9.70E-11	2.34E-09	5.17E-10	8.45E-10	1.34E-09	2.36E-10	1.49E-10	5.53E-09
4341	479363.09	3857377.25	1.42E-05	1.74E-05	1.53E-05	4.93E-09	1.49E-08	8.62E-09	1.06E-08	9.57E-09	4.37E-09	3.83E-09	1.65E-10	3.98E-09	8.78E-10	1.43E-09	2.27E-09	4.01E-10	2.53E-10	9.38E-09
4342	479863.09	3857377.25	4.48E-05	5.49E-05	4.82E-05	1.55E-08	4.69E-08	2.72E-08	3.33E-08	3.02E-08	1.38E-08	1.21E-08	5.19E-10	1.25E-08	2.77E-09	4.52E-09	7.17E-09	1.26E-09	7.96E-10	2.96E-08
4343	480363.09	3857377.25	3.60E-05	4.41E-05	3.87E-05	1.25E-08	3.77E-08	2.18E-08	2.67E-08	2.42E-08	1.11E-08	9.70E-09	4.17E-10	1.01E-08	2.22E-09	3.63E-09	5.76E-09	1.02E-09	6.40E-10	2.38E-08
4344	480863.09	3857377.25	1.07E-04	1.31E-04	1.15E-04	3.71E-08	1.12E-07	6.49E-08	7.95E-08	7.21E-08	3.29E-08	2.89E-08	1.24E-09	3.00E-08	6.61E-09	1.08E-08	1.71E-08	3.02E-09	1.90E-09	7.07E-08
4345	481363.09	3857377.25	1.22E-04	1.49E-04	1.31E-04	4.22E-08	1.27E-07	7.38E-08	9.04E-08	8.19E-08	3.74E-08	3.28E-08	1.41E-09	3.41E-08	7.51E-09	1.23E-08	1.95E-08	3.43E-09	2.16E-09	8.03E-08
4346	481863.09	3857377.25	1.47E-04	1.80E-04	1.58E-04	5.08E-08	1.53E-07	8.88E-08	1.09E-07	9.86E-08	4.50E-08	3.95E-08	1.70E-09	4.10E-08	9.05E-09	1.48E-08	2.34E-08	4.13E-09	2.60E-09	9.67E-08
4347	482363.09	3857377.25	1.67E-04	2.04E-04	1.79E-04	5.77E-08	1.74E-07	1.01E-07	1.24E-07	1.12E-07	5.11E-08	4.48E-08	1.93E-09	4.66E-08	1.03E-08	1.68E-08	2.66E-08	4.69E-09	2.96E-09	1.10E-07
4348	482863.09	3857377.25	1.87E-04	2.30E-04	2.01E-04	6.49E-08	1.96E-07	1.14E-07	1.39E-07	1.26E-07	5.75E-08	5.04E-08	2.17E-09	5.24E-08	1.16E-08	1.89E-08	2.99E-08	5.28E-09	3.33E-09	1.24E-07
4349	483363.09	3857377.25	2.17E-04	2.66E-04	2.33E-04	7.52E-08	2.27E-07	1.31E-07	1.61E-07	1.46E-07	6.66E-08	5.84E-08	2.51E-09	6.06E-08	1.34E-08	2.18E-08	3.47E-08	6.11E-09	3.85E-09	1.43E-07
4350	483863.09	3857377.25	2.57E-04	3.14E-04	2.76E-04	8.89E-08	2.69E-07	1.55E-07	1.90E-07	1.73E-07	7.87E-08	6.91E-08	2.97E-09	7.17E-08	1.58E-08	2.58E-08	4.10E-08	7.23E-09	4.56E-09	1.69E-07
4351	484363.09	3857377.25	3.04E-04	3.73E-04	3.27E-04	1.05E-07	3.18E-07	1.84E-07	2.26E-07	2.05E-07	9.34E-08	8.20E-08	3.52E-09	8.51E-08	1.88E-08	3.06E-08	4.86E-08	8.57E-09	5.41E-09	2.01E-07
4352	484863.09	3857377.25	3.70E-04	4.54E-04	3.98E-04	1.28E-07	3.88E-07	2.24E-07	2.75E-07	2.49E-07	1.14E-07	9.98E-08	4.29E-09	1.04E-07	2.28E-08	3.73E-08	5.92E-08	1.04E-08	6.58E-09	2.44E-07
4353	485363.09	3857377.25	4.65E-04	5.70E-04	5.00E-04	1.61E-07	4.87E-07	2.82E-07	3.45E-07	3.13E-07	1.43E-07	1.25E-07	5.38E-09	1.30E-07	2.87E-08	4.68E-08	7.43E-08	1.31E-08	8.26E-09	3.07E-07
4354	485863.09	3857377.25	6.22E-04	7.62E-04	6.69E-04	2.16E-07	6.51E-07	3.77E-07	4.62E-07	4.19E-07	1.91E-07	1.68E-07	7.20E-09	1.74E-07	3.84E-08	6.27E-08	9.95E-08	1.75E-08	1.11E-08	4.10E-07
4355	486363.09	3857377.25	1.02E-03	1.25E-03	1.10E-03	3.55E-07	1.07E-06	6.20E-07	7.60E-07	6.89E-07	3.14E-07	2.75E-07	1.18E-08	2.86E-07	6.32E-08	1.03E-07	1.64E-07	2.88E-08	1.82E-08	6.75E-07
4356	486863.09	3857377.25	3.32E-03	4.07E-03	3.55E-03	1.15E-06	3.47E-06	2.01E-06	2.46E-06	2.23E-06	1.02E-06	8.89E-07	3.84E-08	9.28E-07	2.05E-07	3.35E-07	5.31E-07	9.35E-08	5.86E-08	2.19E-06
4357	487363.09	3857377.25	6.20E-03	7.60E-03	6.46E-03	2.15E-06	6.49E-06	3.76E-06	4.60E-06	4.17E-06	1.90E-06	1.62E-06	7.18E-08	1.73E-06	3.83E-07	6.25E-07	9.91E-07	1.75E-07	1.07E-07	4.09E-06
4358	487863.09	3857377.25	2.42E-03	2.96E-03	2.56E-03	8.39E-07	2.53E-06	1.47E-06	1.80E-06	1.63E-06	7.43E-07	6.42E-07	2.80E-08	6.76E-07	1.49E-07	2.44E-07	3.87E-07	6.81E-08	4.23E-08	1.59E-06
4359	488363.09	3857377.25	1.58E-03	1.94E-03	1.68E-03	5.48E-07	1.66E-06	9.58E-07	1.17E-06	1.06E-06	4.85E-07	4.22E-07	1.83E-08	4.42E-07	9.76E-08	1.59E-07	2.53E-07	4.45E-08	2.78E-08	1.04E-06
4360	488863.09	3857377.25	1.17E-03	1.43E-03	1.25E-03	4.05E-07	1.22E-06	7.09E-07	8.68E-07	7.87E-07	3.59E-07	3.13E-07	1.35E-08	3.27E-07	7.22E-08	1.18E-07	1.87E-07	3.29E-08	2.06E-08	7.71E-07
4361	489363.09	3857377.25	9.23E-04	1.13E-03	9.87E-04	3.20E-07	9.65E-07	5.59E-07	6.84E-07	6.20E-07	2.83E-07	2.47E-07	1.07E-08	2.58E-07	5.69E-08	9.29E-08	1.47E-07	2.60E-08	1.63E-08	6.08E-07
4362	489863.09	3857377.25	7.60E-04	9.31E-04	8.14E-04	2.63E-07	7.95E-07	4.60E-07	5.64E-07	5.11E-07	2.33E-07	2.04E-07	8.80E-09	2.12E-07	4.69E-08	7.66E-08	1.21E-07	2.14E-08	1.34E-08	5.01E-07
4363	490363.09	3857377.25	6.41E-04	7.85E-04	6.86E-04	2.22E-07	6.71E-07	3.88E-07	4.75E-07	4.31E-07	1.97E-07	1.72E-07	7.42E-09	1.79E-07	3.95E-08	6.45E-08	1.02E-07	1.80E-08	1.13E-08	4.22E-07
4364	490863.09	3857377.25	5.51E-04	6.74E-04	5.90E-04	1.91E-07	5.76E-07	3.34E-07	4.09E-07	3.70E-07	1.69E-07	1.48E-07	6.37E-09	1.54E-07	3.40E-08	5.55E-08	8.80E-08	1.55E-08	9.75E-09	3.63E-07
4365	491363.09	3857377.25	4.80E-04	5.88E-04	5.14E-04	1.66E-07	5.02E-07	2.91E-07	3.56E-07	3.23E-07	1.47E-07	1.29E-07	5.55E-09	1.34E-07	2.96E-08	4.83E-08	7.67E-08	1.35E-08	8.50E-09	3.16E-07
4366	491863.09	3857377.25	4.20E-04	5.14E-04	4.50E-04	1.45E-07	4.39E-07	2.54E-07	3.11E-07	2.82E-07	1.29E-07	1.13E-07	4.86E-09	1.17E-07	2.59E-08	4.23E-08	6.71E-08	1.18E-08	7.44E-09	2.77E-07
4367	492363.09	3857377.25	3.27E-04	4.01E-04	3.51E-04	1.13E-07	3.43E-07	1.98E-07	2.43E-07	2.20E-07	1.00E-07	8.80E-08	3.79E-09	9.15E-08	2.02E-08	3.30E-08	5.23E-08	9.22E-09	5.80E-09	2.16E-07
4368	492863.09	3857377.25	2.27E-04	2.78E-04	2.43E-04	7.85E-08	2.37E-07	1.37E-07	1.68E-07	1.52E-07	6.95E-08	6.09E-08	2.62E-09	6.33E-08	1.40E-08	2.28E-08	3.62E-08	6.38E-09	4.02E-09	1.49E-07
4369	493363.09	3857377.25	1.51E-04	1.85E-04	1.62E-04	5.24E-08	1.58E-07	9.16E-08	1.12E-07	1.02E-07	4.64E-08	4.06E-08	1.75E-09	4.23E-08	9.33E-09	1.52E-08	2.42E-08	4.26E-09	2.68E-09	9.97E-08
4370	493863.09	3857377.25	1.22E-04	1.49E-04	1.31E-04	4.23E-08	1.28E-07	7.39E-08	9.05E-08	8.21E-08	3.75E-08	3.28E-08	1.41E-09	3.41E-08	7.53E-09	1.23E-08	1.95E-08	3.44E-09	2.16E-09	8.05E-08
4371	494363.09	3857377.25	9.70E-05	1.19E-04	1.04E-04	3.36E-08	1.02E-07	5.88E-08	7.20E-08	6.52E-08	2.98E-08	2.61E-08	1.12E-09	2.71E-08	5.98E-09	9.77E-09	1.55E-08	2.73E-09	1.72E-09	6.40E-08
4372	494863.09	3857377.25	8.52E-05	1.04E-04	9.14E-05	2.95E-08	8.91E-08	5.16E-08	6.32E-08	5.73E-08	2.61E-08	2.29E-08	9.86E-10	2.38E-08	5.25E-09	8.58E-09	1.36E-08	2.40E-09	1.51E-09	5.61E-08
4373	495363.09	3857377.25	7.61E-05	9.33E-05	8.17E-05	2.64E-08	7.97E-08	4.61E-08	5.65E-08	5.12E-08	2.34E-08	2.05E-08	8.81E-10	2.13E-08	4.70E-09	7.67E-09	1.22E-08	2.14E-09	1.35E-09	5.02E-08
4374	495863.09	3857377.25	7.27E-05	8.91E-05	7.81E-05	2.52E-08	7.61E-08	4.41E-08	5.40E-08	4.89E-08	2.23E-08	1.96E-08	8.42E-10	2.03E-08	4.49E-09	7.33E-09	1.16E-08	2.05E-09	1.29E-09	4.80E-08
4375	496363.09	3857377.25	7.08E-05	8.67E-05	7.60E-05	2.45E-08	7.41E-08	4.29E-08	5.25E-08	4.76E-08	2.17E-08	1.90E-08	8.20E-10	1.98E-08	4.37E-09	7.13E-09	1.13E-08	1.99E-09	1.26E-09	4.67E-08
4376	496863.09	3857377.25	7.01E-05	8.58E-05	7.52E-05	2.43E-08	7.33E-08	4.25E-08	5.20E-08	4.71E-08	2.15E-08	1.88E-08	8.11E-10	1.96E-08	4.32E-09	7.06E-09	1.12E-08	1.97E-09	1.24E-09	4.62E-08
4377	497363.09	3857377.25	7.29E-05	8.93E-05	7.83E-05	2.53E-08	7.63E-08	4.42E-08	5.41E-08	4.90E-08	2.24E-08	1.96E-08	8.44E-10	2.04E-08	4.50E-09	7.34E-09	1.17E-08	2.05E-09	1.29E-09	4.81E-08
4378	497863.09	3857377.25	7.86E-05	9.63E-05	8.44E-05	2.73E-08	8.23E-08	4.76E-08	5.83E-08	5.29E-08	2.41E-08	2.12E-08	9.10E-10	2.20E-08	4.85E-09	7.92E-09	1.26E-08	2.21E-09	1.40E-09	5.18E-08
4379	498363.09	3857377.25	9.51E-05	1.16E-04	1.02E-04	3.30E-08	9.95E-08	5.76E-08	7.06E-08	6.40E-08	2.92E-08	2.56E-08	1.10E-09	2.66E-08	5.87E-09	9.58E-09	1.52E-08	2.68E-09	1.69E-09	6.27E-08
4380	471363.09	3857877.25	1.84E-05	2.26E-05	1.98E-05	6.39E-09	1.93E-08	1.12E-08	1.37E-08	1.24E-08	5.66E-09	4.97E-09	2.13E-10	5.15E-09	1.14E-09	1.86E-09	2.95E-09	5.19E-10	3.28E-10	1.22E-08
4381	471863.09	3857877.25	1.93E-05	2.36E-05	2.07E-05	6.68E-09	2.02E-08	1.17E-08	1.43E-08	1.30E-08	5.91E-09	5.19E-09	2.23E-10	5.39E-09	1.19E-09	1.94E-09	3.08E-09	5.43E-10	3.42E-10	1.27E-08
4382	472363.09	3857877.25	2.05E-05	2.51E-05	2.20E-05	7.09E-09	2.14E-08	1.24E-08	1.52E-08	1.38E-08	6.28E-09	5.51E-09	2.37E-10	5.72E-09	1.26E-09	2.06E-09	3.27E-09	5.76E-10	3.63E-10	1.35E-08
4383	472863.09	3857877.25	2.22E-05	2.72E-05	2.39E-05	7.71E-09	2.33E-08	1.35E-08	1.65E-08	1.50E-08	6.82E-09	5.99E-09	2.57E-10	6.22E-09	1.37E-09	2.24E-09	3.55E-09	6.26E-10	3.95E-10	1.47E-08
4384	473363.09	3857877.25	2.37E-05	2.91E-05	2.55E-05	8.23E-09	2.48E-08	1.44E-08	1.76E-08	1.60E-08	7.29E-09	6.39E-09	2.75E-10	6.64E-09	1.46E-09	2.39E-09	3.79E-09	6.69E-10	4.22E-10	1.57E-08
4385	473863.09	3857877.25	2.59E-05	3.17E-05	2.78E-05	8.96E-09	2.71E-08	1.57E-08	1.92E-08	1.74E-08	7.93E-09	6.96E-09	2.99E-10	7.23E-09	1.59E-09	2.60E-09	4.13E-09	7.28E-10	4.59E-10	1.70E-08

4386	474363.09	3857877.25	2.53E-05	3.10E-05	2.71E-05	8.76E-09	2.64E-08	1.53E-08	1.88E-08	1.70E-08	7.76E-09	6.80E-09	2.92E-10	7.06E-09	1.56E-09	2.55E-09	4.04E-09	7.12E-10	4.49E-10	1.67E-08
4387	474863.09	3857877.25	2.00E-05	2.45E-05	2.15E-05	6.93E-09	2.09E-08	1.21E-08	1.48E-08	1.34E-08	6.13E-09	5.38E-09	2.31E-10	5.59E-09	1.23E-09	2.01E-09	3.19E-09	5.63E-10	3.55E-10	1.32E-08
4388	475363.09	3857877.25	1.10E-05	1.35E-05	1.18E-05	3.82E-09	1.15E-08	6.68E-09	8.18E-09	7.42E-09	3.38E-09	2.97E-09	1.28E-10	3.08E-09	6.80E-10	1.11E-09	1.76E-09	3.11E-10	1.96E-10	7.27E-09
4389	475863.09	3857877.25	4.90E-06	6.00E-06	5.26E-06	1.70E-09	5.13E-09	2.97E-09	3.64E-09	3.30E-09	1.50E-09	1.32E-09	5.67E-11	1.37E-09	3.02E-10	4.94E-10	7.83E-10	1.38E-10	8.70E-11	3.23E-09
4390	476363.09	3857877.25	1.28E-05	1.57E-05	1.37E-05	4.43E-09	1.34E-08	7.75E-09	9.50E-09	8.61E-09	3.93E-09	3.44E-09	1.48E-10	3.58E-09	7.89E-10	1.29E-09	2.05E-09	3.60E-10	2.27E-10	8.44E-09
4391	476863.09	3857877.25	1.64E-05	2.01E-05	1.76E-05	5.68E-09	1.72E-08	9.94E-09	1.22E-08	1.10E-08	5.03E-09	4.42E-09	1.90E-10	4.59E-09	1.01E-09	1.65E-09	2.62E-09	4.62E-10	2.91E-10	1.08E-08
4392	477363.09	3857877.25	1.61E-05	1.97E-05	1.73E-05	5.58E-09	1.68E-08	9.75E-09	1.19E-08	1.08E-08	4.94E-09	4.33E-09	1.86E-10	4.50E-09	9.93E-10	1.62E-09	2.57E-09	4.53E-10	2.86E-10	1.06E-08
4393	477863.09	3857877.25	1.55E-05	1.90E-05	1.67E-05	5.38E-09	1.63E-08	9.41E-09	1.15E-08	1.05E-08	4.77E-09	4.18E-09	1.80E-10	4.34E-09	9.58E-10	1.57E-09	2.48E-09	4.38E-10	2.76E-10	1.02E-08
4394	478363.09	3857877.25	8.25E-06	1.01E-05	8.86E-06	2.86E-09	8.64E-09	5.00E-09	6.12E-09	5.55E-09	2.53E-09	2.22E-09	9.55E-11	2.31E-09	5.09E-10	8.31E-10	1.32E-09	2.32E-10	1.46E-10	5.44E-09
4395	478863.09	3857877.25	6.73E-06	8.25E-06	7.23E-06	2.33E-09	7.05E-09	4.08E-09	5.00E-09	4.53E-09	2.07E-09	1.81E-09	7.79E-11	1.88E-09	4.15E-10	6.78E-10	1.08E-09	1.90E-10	1.20E-10	4.44E-09
4396	479363.09	3857877.25	4.01E-05	4.92E-05	4.31E-05	1.39E-08	4.20E-08	2.43E-08	2.98E-08	2.70E-08	1.23E-08	1.08E-08	4.65E-10	1.12E-08	2.48E-09	4.05E-09	6.42E-09	1.13E-09	7.13E-10	2.65E-08
4397	479863.09	3857877.25	7.23E-05	8.86E-05	7.77E-05	2.51E-08	7.56E-08	4.38E-08	5.36E-08	4.86E-08	2.22E-08	1.95E-08	8.37E-10	2.02E-08	4.46E-09	7.28E-09	1.16E-08	2.04E-09	1.28E-09	4.77E-08
4398	480363.09	3857877.25	8.69E-05	1.06E-04	9.34E-05	3.01E-08	9.10E-08	5.27E-08	6.45E-08	5.85E-08	2.67E-08	2.34E-08	1.01E-09	2.43E-08	5.36E-09	8.76E-09	1.39E-08	2.45E-09	1.54E-09	5.73E-08
4399	480863.09	3857877.25	9.83E-05	1.20E-04	1.06E-04	3.41E-08	1.03E-07	5.96E-08	7.30E-08	6.61E-08	3.02E-08	2.65E-08	1.14E-09	2.75E-08	6.07E-09	9.91E-09	1.57E-08	2.77E-09	1.75E-09	6.48E-08
4400	481363.09	3857877.25	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.77E-08	8.29E-08	7.52E-08	3.43E-08	3.01E-08	1.29E-09	3.12E-08	6.89E-09	1.13E-08	1.79E-08	3.15E-09	1.98E-09	7.37E-08
4401	481863.09	3857877.25	1.30E-04	1.59E-04	1.40E-04	4.51E-08	1.36E-07	7.89E-08	9.66E-08	8.76E-08	4.00E-08	3.50E-08	1.51E-09	3.64E-08	8.03E-09	1.31E-08	2.08E-08	3.67E-09	2.31E-09	8.58E-08
4402	482363.09	3857877.25	1.51E-04	1.85E-04	1.62E-04	5.22E-08	1.58E-07	9.13E-08	1.12E-07	1.01E-07	4.62E-08	4.06E-08	1.74E-09	4.21E-08	9.29E-09	1.52E-08	2.41E-08	4.24E-09	2.68E-09	9.93E-08
4403	482863.09	3857877.25	1.61E-04	1.98E-04	1.73E-04	5.59E-08	1.69E-07	9.77E-08	1.20E-07	1.08E-07	4.95E-08	4.34E-08	1.87E-09	4.51E-08	9.95E-09	1.62E-08	2.58E-08	4.54E-09	2.86E-09	1.06E-07
4404	483363.09	3857877.25	1.82E-04	2.24E-04	1.96E-04	6.32E-08	1.91E-07	1.11E-07	1.35E-07	1.23E-07	5.60E-08	4.91E-08	2.11E-09	5.10E-08	1.13E-08	1.84E-08	2.92E-08	5.14E-09	3.24E-09	1.20E-07
4405	483863.09	3857877.25	2.10E-04	2.57E-04	2.26E-04	7.28E-08	2.20E-07	1.27E-07	1.56E-07	1.41E-07	6.44E-08	5.65E-08	2.43E-09	5.87E-08	1.30E-08	2.11E-08	3.36E-08	5.91E-09	3.73E-09	1.38E-07
4406	484363.09	3857877.25	2.41E-04	2.96E-04	2.59E-04	8.37E-08	2.53E-07	1.46E-07	1.79E-07	1.62E-07	7.41E-08	6.50E-08	2.79E-09	6.75E-08	1.49E-08	2.43E-08	3.86E-08	6.80E-09	4.29E-09	1.59E-07
4407	484863.09	3857877.25	2.82E-04	3.45E-04	3.03E-04	9.76E-08	2.95E-07	1.71E-07	2.09E-07	1.89E-07	8.64E-08	7.58E-08	3.26E-09	7.87E-08	1.74E-08	2.84E-08	4.50E-08	7.93E-09	5.00E-09	1.86E-07
4408	485363.09	3857877.25	3.34E-04	4.09E-04	3.59E-04	1.16E-07	3.50E-07	2.02E-07	2.48E-07	2.25E-07	1.03E-07	8.99E-08	3.87E-09	9.34E-08	2.06E-08	3.37E-08	5.34E-08	9.41E-09	5.93E-09	2.20E-07
4409	485863.09	3857877.25	4.09E-04	5.01E-04	4.39E-04	1.42E-07	4.28E-07	2.48E-07	3.03E-07	2.75E-07	1.25E-07	1.10E-07	4.73E-09	1.14E-07	2.52E-08	4.12E-08	6.53E-08	1.15E-08	7.25E-09	2.69E-07
4410	486363.09	3857877.25	5.26E-04	6.44E-04	5.64E-04	1.82E-07	5.50E-07	3.18E-07	3.90E-07	3.54E-07	1.61E-07	1.41E-07	6.08E-09	1.47E-07	3.24E-08	5.30E-08	8.40E-08	1.48E-08	9.31E-09	3.47E-07
4411	486863.09	3857877.25	7.58E-04	9.28E-04	8.11E-04	2.63E-07	7.93E-07	4.59E-07	5.62E-07	5.09E-07	2.32E-07	2.03E-07	8.77E-09	2.12E-07	4.67E-08	7.63E-08	1.21E-07	2.13E-08	1.34E-08	4.99E-07
4412	487363.09	3857877.25	1.72E-03	2.11E-03	1.85E-03	5.96E-07	1.80E-06	1.04E-06	1.28E-06	1.16E-06	5.28E-07	4.63E-07	1.99E-08	4.81E-07	1.06E-07	1.73E-07	2.75E-07	4.84E-08	3.06E-08	1.13E-06
4413	487863.09	3857877.25	2.83E-03	3.46E-03	3.04E-03	9.80E-07	2.96E-06	1.71E-06	2.10E-06	1.90E-06	8.67E-07	7.62E-07	3.27E-08	7.90E-07	1.74E-07	2.85E-07	4.52E-07	7.96E-08	5.03E-08	1.86E-06
4414	488363.09	3857877.25	1.43E-03	1.75E-03	1.53E-03	4.95E-07	1.50E-06	8.66E-07	1.06E-06	9.61E-07	4.38E-07	3.84E-07	1.65E-08	4.00E-07	8.82E-08	1.44E-07	2.28E-07	4.02E-08	2.53E-08	9.42E-07
4415	488863.09	3857877.25	1.02E-03	1.25E-03	1.09E-03	3.53E-07	1.06E-06	6.16E-07	7.55E-07	6.84E-07	3.12E-07	2.73E-07	1.18E-08	2.84E-07	6.27E-08	1.02E-07	1.63E-07	2.86E-08	1.80E-08	6.71E-07
4416	489363.09	3857877.25	8.13E-04	9.96E-04	8.72E-04	2.82E-07	8.51E-07	4.93E-07	6.03E-07	5.47E-07	2.50E-07	2.18E-07	9.41E-09	2.27E-07	5.02E-08	8.19E-08	1.30E-07	2.29E-08	1.44E-08	5.36E-07
4417	489863.09	3857877.25	6.77E-04	8.29E-04	7.25E-04	2.35E-07	7.08E-07	4.10E-07	5.02E-07	4.55E-07	2.08E-07	1.82E-07	7.83E-09	1.89E-07	4.17E-08	6.82E-08	1.08E-07	1.91E-08	1.20E-08	4.46E-07
4418	490363.09	3857877.25	5.76E-04	7.05E-04	6.17E-04	2.00E-07	6.02E-07	3.49E-07	4.27E-07	3.87E-07	1.77E-07	1.55E-07	6.66E-09	1.61E-07	3.55E-08	5.80E-08	9.20E-08	1.62E-08	1.02E-08	3.79E-07
4419	490863.09	3857877.25	4.97E-04	6.08E-04	5.33E-04	1.72E-07	5.20E-07	3.01E-07	3.69E-07	3.34E-07	1.52E-07	1.33E-07	5.75E-09	1.39E-07	3.06E-08	5.00E-08	7.94E-08	1.40E-08	8.80E-09	3.28E-07
4420	491363.09	3857877.25	4.29E-04	5.26E-04	4.61E-04	1.49E-07	4.49E-07	2.60E-07	3.19E-07	2.89E-07	1.32E-07	1.15E-07	4.97E-09	1.20E-07	2.65E-08	4.33E-08	6.86E-08	1.21E-08	7.61E-09	2.83E-07
4421	491863.09	3857877.25	3.65E-04	4.48E-04	3.92E-04	1.27E-07	3.82E-07	2.21E-07	2.71E-07	2.46E-07	1.12E-07	9.82E-08	4.23E-09	1.02E-07	2.25E-08	3.68E-08	5.84E-08	1.03E-08	6.48E-09	2.41E-07
4422	492363.09	3857877.25	2.65E-04	3.24E-04	2.84E-04	9.17E-08	2.77E-07	1.60E-07	1.96E-07	1.78E-07	8.12E-08	7.11E-08	3.06E-09	7.40E-08	1.63E-08	2.67E-08	4.23E-08	7.45E-09	4.69E-09	1.74E-07
4423	492863.09	3857877.25	1.77E-04	2.17E-04	1.90E-04	6.14E-08	1.85E-07	1.07E-07	1.31E-07	1.19E-07	5.43E-08	4.76E-08	2.05E-09	4.95E-08	1.09E-08	1.78E-08	2.83E-08	4.99E-09	3.14E-09	1.17E-07
4424	493363.09	3857877.25	1.42E-04	1.74E-04	1.53E-04	4.93E-08	1.49E-07	8.61E-08	1.05E-07	9.56E-08	4.36E-08	3.82E-08	1.65E-09	3.97E-08	8.77E-09	1.43E-08	2.27E-08	4.00E-09	2.52E-09	9.37E-08
4425	493863.09	3857877.25	1.24E-04	1.52E-04	1.33E-04	4.29E-08	1.30E-07	7.50E-08	9.18E-08	8.32E-08	3.80E-08	3.33E-08	1.43E-09	3.46E-08	7.63E-09	1.25E-08	1.98E-08	3.49E-09	2.20E-09	8.16E-08
4426	494363.09	3857877.25	1.11E-04	1.36E-04	1.19E-04	3.84E-08	1.16E-07	6.71E-08	8.21E-08	7.44E-08	3.40E-08	2.98E-08	1.28E-09	3.09E-08	6.83E-09	1.12E-08	1.77E-08	3.12E-09	1.96E-09	7.30E-08
4427	494863.09	3857877.25	9.29E-05	1.14E-04	9.98E-05	3.22E-08	9.72E-08	5.63E-08	6.89E-08	6.25E-08	2.85E-08	2.50E-08	1.08E-09	2.60E-08	5.73E-09	9.36E-09	1.49E-08	2.62E-09	1.65E-09	6.13E-08
4428	495363.09	3857877.25	8.61E-05	1.05E-04	9.24E-05	2.98E-08	9.01E-08	5.22E-08	6.39E-08	5.79E-08	2.64E-08	2.32E-08	9.96E-10	2.41E-08	5.31E-09	8.67E-09	1.38E-08	2.42E-09	1.53E-09	5.68E-08
4429	495863.09	3857877.25	8.04E-05	9.84E-05	8.63E-05	2.78E-08	8.41E-08	4.87E-08	5.96E-08	5.40E-08	2.47E-08	2.16E-08	9.30E-10	2.25E-08	4.96E-09	8.09E-09	1.28E-08	2.26E-09	1.43E-09	5.30E-08
4430	496363.09	3857877.25	7.99E-05	9.78E-05	8.57E-05	2.77E-08	8.36E-08	4.84E-08	5.92E-08	5.37E-08	2.45E-08	2.15E-08	9.24E-10	2.23E-08	4.93E-09	8.04E-09	1.28E-08	2.25E-09	1.42E-09	5.26E-08
4431	496863.09	3857877.25	7.96E-05	9.74E-05	8.54E-05	2.76E-08	8.32E-08	4.82E-08	5.90E-08	5.35E-08	2.44E-08	2.14E-08	9.21E-10	2.22E-08	4.91E-09	8.01E-09	1.27E-08	2.24E-09	1.41E-09	5.24E-08
4432	497363.09	3857877.25	7.78E-05	9.53E-05	8.36E-05	2.70E-08	8.14E-08	4.72E-08	5.78E-08	5.24E-08	2.39E-08	2.09E-08	9.01E-10	2.18E-08	4.80E-09	7.84E-09	1.24E-08	2.19E-09	1.38E-09	5.13E-08
4433	497863.09	3857877.25	8.83E-05	1.08E-04	9.47E-05	3.06E-08	9.24E-08	5.35E-08	6.55E-08	5.94E-08	2.71E-08	2.37E-08	1.02E-09	2.47E-08	5.44E-09	8.89E-09	1.41E-08	2.49E-09	1.57E-09	5.82E-08
4434	498363.09	3857877.25	9.82E-05	1.20E-04	1.05E-04	3.40E-08	1.03E-07	5.95E-08	7.28E-08	6.60E-08	3.01E-08	2.64E-08	1.14E-09	2.74E-08	6.06E-09	9.89E-09	1.57E-08	2.76E-09	1.74E-09	6.47E-08
4435	471363.09	3858377.25	1.90E-05	2.33E-05	2.04E-05	6.58E-09	1.99E-08	1.15E-08	1.41E-08	1.28E-08	5.83E-09	5.11E-09	2.20E-10	5.31E-09	1.17E-09	1.91E-09	3.03E-09	5.35E-10	3.37E-10	1.25E-08
4436	471863.09	3858377.25	1.99E-05	2.44E-05	2.14E-05	6.90E-09	2.08E-08	1.21E-08	1.48E-08	1.34E-08	6.11E-09	5.36E-09	2.30E-10	5.56E-09	1.23E-09	2.01E-09	3.18E-09	5.61E-10	3.53E-10	1.31E-08
4437	472363.09	3858377.25	2.10E-05	2.57E-05	2.25E-05	7.27E-09	2.19E-08	1.27E-08	1.56E-08	1.41E-08	6.43E-09	5.64E-09	2.43E-10	5.86E-09	1.29E-09	2.11E-09	3.35E-09	5.91E-10	3.72E-10	1.38E-08
4438	472863.09	3858377.25	2.26E-05	2.77E-05	2.42E-05	7.82E-09	2.36E-08	1.37E-08	1.68E-08	1.52E-08	6.93E-09	6.08E-09	2.61E-10	6.31E-09	1.39E-09	2.27E-09	3.61E-09	6.36E-10	4.01E-10	1.49E-08
4439	473363.09	3858377.25	2.51E-05	3.07E-05	2.69E-05	8.69E-09	2.62E-08	1.52E-08	1.86E-08	1.69E-08	7.70E-09	6.75E-09	2.90E-10	7.01E-09	1.55E-09	2.53E-09	4.01E-09	7.06E-10	4.45E-10	1.65E-08
4440	473863.09	3858377.25	2.62E-05	3.21E-05	2.81E-05	9.08E-09	2.74E-08	1.59E-08	1.94E-08	1.76E-08	8.04E-09	7.05E-09	3.03E-10	7.32E-09	1.62E-09	2.64E-09	4.19E-09	7.38E-10	4.65E-10	1.73E-08
4441	474363.09	3858377.25	2.49E-05	3.05E-05	2.67E-05	8.63E-09	2.61E-08	1.51E-08	1.85E-08	1.67E-08	7.64E-09	6.70E-09	2.88E-10	6.96E-09	1.54E-09	2.51E-09	3.98E-09	7.01E-10	4.42E-10	1.64E-08
4442	474863.09	3858377.25	2.10E-05	2.57E-05	2.25E-05	7.26E-09	2.19E-08	1.27E-08	1.55E-08	1.41E-08	6.43E-09	5.64E-09	2.42E-10	5.86E-09	1.29E-09	2.11E-09	3.35E-09	5.90E-10	3.72E-10	1.38E-08
4443	475363.09	3858377.25	1.39E-05	1.70E-05	1.49E-05	4.81E-09	1.45E-08	8.41E-09	1.03E-08	9.34E-09	4.26E-09	3.74E-09	1.61E-10	3.88E-09	8.57E-10	1.40E-09	2.22E-09	3.91E-10	2.47E-10	9.16E-09
4444	475863.09	3858377.25	9.62E-06	1.18E-05	1.03E-05	3.33E-09	1.01E-08	5.83E-09	7.14E-09	6.47E-09	2.95E-09	2.59E-09	1.11E-10	2.69E-09	5.93E-10	9.69E-10	1.54E-09	2.71E-10	1.71E-10	6.34E-09
4445	476363.09	3858377.25	1.06E-05	1.30E-05	1.14E-05	3.69E-09	1.11E-08	6.44E-09	7.89E-09	7.15E-09	3.26E-09	2.86E-09	1.23E-10	2.97E-09	6.56E-10	1.07E-09	1.70E-09	3.00E-10	1.89E-10	7.01E-09
4446	476863.09	3858377.25	1.20E-05	1.47E-05	1.29E-05	4.17E-09	1.26E-08	7.28E-09	8.92E-09	8.09E-09	3.69E-09	3.24E-09	1.39E-10	3.36E-09	7.41E-10	1.21E-09	1.92E-09	3.39E-10	2.13E-10	7.92E-09

4447	477363.09	3858377.25	1.14E-05	1.40E-05	1.22E-05	3.95E-09	1.19E-08	6.90E-09	8.45E-09	7.66E-09	3.50E-09	3.06E-09	1.32E-10	3.18E-09	7.03E-10	1.15E-09	1.82E-09	3.21E-10	2.02E-10	7.51E-09
4448	477863.09	3858377.25	1.61E-05	1.98E-05	1.73E-05	5.60E-09	1.69E-08	9.78E-09	1.20E-08	1.09E-08	4.96E-09	4.34E-09	1.87E-10	4.51E-09	9.96E-10	1.63E-09	2.58E-09	4.55E-10	2.87E-10	1.06E-08
4449	478363.09	3858377.25	1.76E-05	2.16E-05	1.89E-05	6.11E-09	1.84E-08	1.07E-08	1.31E-08	1.19E-08	5.41E-09	4.74E-09	2.04E-10	4.93E-09	1.09E-09	1.78E-09	2.82E-09	4.97E-10	3.13E-10	1.16E-08
4450	478863.09	3858377.25	1.14E-05	1.40E-05	1.23E-05	3.96E-09	1.19E-08	6.91E-09	8.47E-09	7.68E-09	3.50E-09	3.07E-09	1.32E-10	3.19E-09	7.04E-10	1.15E-09	1.82E-09	3.21E-10	2.03E-10	7.52E-09
4451	479363.09	3858377.25	4.17E-05	5.11E-05	4.48E-05	1.45E-08	4.37E-08	2.53E-08	3.10E-08	2.81E-08	1.28E-08	1.12E-08	4.83E-10	1.17E-08	2.57E-09	4.20E-09	6.67E-09	1.18E-09	7.41E-10	2.75E-08
4452	479863.09	3858377.25	7.09E-05	8.69E-05	7.62E-05	2.46E-08	7.42E-08	4.30E-08	5.26E-08	4.77E-08	2.18E-08	1.91E-08	8.21E-10	1.98E-08	4.37E-09	7.14E-09	1.13E-08	2.00E-09	1.26E-09	4.68E-08
4453	480363.09	3858377.25	8.23E-05	1.01E-04	8.84E-05	2.85E-08	8.61E-08	4.99E-08	6.11E-08	5.54E-08	2.53E-08	2.22E-08	9.53E-10	2.30E-08	5.08E-09	8.29E-09	1.32E-08	2.32E-09	1.46E-09	5.43E-08
4454	480863.09	3858377.25	9.15E-05	1.12E-04	9.83E-05	3.17E-08	9.58E-08	5.54E-08	6.79E-08	6.16E-08	2.81E-08	2.46E-08	1.06E-09	2.56E-08	5.65E-09	9.22E-09	1.46E-08	2.58E-09	1.63E-09	6.03E-08
4455	481363.09	3858377.25	1.03E-04	1.26E-04	1.11E-04	3.57E-08	1.08E-07	6.25E-08	7.65E-08	6.94E-08	3.16E-08	2.78E-08	1.19E-09	2.88E-08	6.36E-09	1.04E-08	1.65E-08	2.90E-09	1.83E-09	6.80E-08
4456	481863.09	3858377.25	1.16E-04	1.42E-04	1.25E-04	4.03E-08	1.22E-07	7.04E-08	8.63E-08	7.82E-08	3.57E-08	3.13E-08	1.35E-09	3.25E-08	7.17E-09	1.17E-08	1.86E-08	3.27E-09	2.06E-09	7.67E-08
4457	482363.09	3858377.25	1.32E-04	1.62E-04	1.42E-04	4.58E-08	1.38E-07	8.01E-08	9.81E-08	8.90E-08	4.06E-08	3.56E-08	1.53E-09	3.70E-08	8.16E-09	1.33E-08	2.11E-08	3.73E-09	2.35E-09	8.72E-08
4458	482863.09	3858377.25	1.48E-04	1.82E-04	1.59E-04	5.14E-08	1.55E-07	8.98E-08	1.10E-07	9.97E-08	4.55E-08	3.99E-08	1.72E-09	4.14E-08	9.14E-09	1.49E-08	2.37E-08	4.17E-09	2.63E-09	9.77E-08
4459	483363.09	3858377.25	1.58E-04	1.93E-04	1.69E-04	5.46E-08	1.65E-07	9.54E-08	1.17E-07	1.06E-07	4.83E-08	4.24E-08	1.82E-09	4.40E-08	9.72E-09	1.59E-08	2.52E-08	4.44E-09	2.80E-09	1.04E-07
4460	483863.09	3858377.25	1.73E-04	2.12E-04	1.86E-04	5.98E-08	1.81E-07	1.05E-07	1.28E-07	1.16E-07	5.30E-08	4.65E-08	2.00E-09	4.83E-08	1.07E-08	1.74E-08	2.76E-08	4.86E-09	3.07E-09	1.14E-07
4461	484363.09	3858377.25	1.95E-04	2.39E-04	2.09E-04	6.75E-08	2.04E-07	1.18E-07	1.45E-07	1.31E-07	5.98E-08	5.24E-08	2.25E-09	5.45E-08	1.20E-08	1.96E-08	3.11E-08	5.49E-09	3.46E-09	1.28E-07
4462	484863.09	3858377.25	2.20E-04	2.69E-04	2.36E-04	7.61E-08	2.30E-07	1.33E-07	1.63E-07	1.48E-07	6.74E-08	5.91E-08	2.54E-09	6.14E-08	1.35E-08	2.21E-08	3.51E-08	6.19E-09	3.90E-09	1.45E-07
4463	485363.09	3858377.25	2.49E-04	3.04E-04	2.67E-04	8.61E-08	2.60E-07	1.51E-07	1.84E-07	1.67E-07	7.63E-08	6.69E-08	2.88E-09	6.95E-08	1.53E-08	2.50E-08	3.97E-08	7.00E-09	4.41E-09	1.64E-07
4464	485863.09	3858377.25	2.86E-04	3.50E-04	3.07E-04	9.91E-08	2.99E-07	1.73E-07	2.12E-07	1.92E-07	8.78E-08	7.69E-08	3.31E-09	7.99E-08	1.76E-08	2.88E-08	4.57E-08	8.05E-09	5.07E-09	1.89E-07
4465	486363.09	3858377.25	3.35E-04	4.11E-04	3.60E-04	1.16E-07	3.51E-07	2.03E-07	2.49E-07	2.26E-07	1.03E-07	9.01E-08	3.88E-09	9.37E-08	2.07E-08	3.38E-08	5.36E-08	9.44E-09	5.95E-09	2.21E-07
4466	486863.09	3858377.25	3.98E-04	4.88E-04	4.27E-04	1.38E-07	4.17E-07	2.41E-07	2.95E-07	2.68E-07	1.22E-07	1.07E-07	4.61E-09	1.11E-07	2.46E-08	4.01E-08	6.36E-08	1.12E-08	7.06E-09	2.63E-07
4467	487363.09	3858377.25	5.07E-04	6.21E-04	5.45E-04	1.76E-07	5.31E-07	3.07E-07	3.76E-07	3.41E-07	1.56E-07	1.37E-07	5.87E-09	1.42E-07	3.13E-08	5.11E-08	8.11E-08	1.43E-08	9.01E-09	3.34E-07
4468	487863.09	3858377.25	8.55E-04	1.05E-03	9.21E-04	2.96E-07	8.95E-07	5.18E-07	6.34E-07	5.75E-07	2.62E-07	2.31E-07	9.90E-09	2.39E-07	5.27E-08	8.61E-08	1.37E-07	2.41E-08	1.52E-08	5.64E-07
4469	488363.09	3858377.25	2.16E-03	2.65E-03	2.33E-03	7.49E-07	2.26E-06	1.31E-06	1.60E-06	1.45E-06	6.63E-07	5.84E-07	2.50E-08	6.04E-07	1.33E-07	2.18E-07	3.45E-07	6.09E-08	3.85E-08	1.43E-06
4470	488863.09	3858377.25	1.00E-03	1.23E-03	1.08E-03	3.48E-07	1.05E-06	6.08E-07	7.44E-07	6.75E-07	3.08E-07	2.71E-07	1.16E-08	2.80E-07	6.19E-08	1.01E-07	1.60E-07	2.83E-08	1.79E-08	6.61E-07
4471	489363.09	3858377.25	7.31E-04	8.96E-04	7.86E-04	2.53E-07	7.65E-07	4.43E-07	5.43E-07	4.92E-07	2.24E-07	1.97E-07	8.46E-09	2.04E-07	4.51E-08	7.37E-08	1.17E-07	2.06E-08	1.30E-08	4.82E-07
4472	489863.09	3858377.25	5.92E-04	7.26E-04	6.37E-04	2.05E-07	6.20E-07	3.59E-07	4.40E-07	3.98E-07	1.82E-07	1.60E-07	6.86E-09	1.66E-07	3.65E-08	5.97E-08	9.47E-08	1.67E-08	1.05E-08	3.91E-07
4473	490363.09	3858377.25	4.97E-04	6.08E-04	5.34E-04	1.72E-07	5.20E-07	3.01E-07	3.69E-07	3.34E-07	1.52E-07	1.34E-07	5.75E-09	1.39E-07	3.06E-08	5.00E-08	7.94E-08	1.40E-08	8.82E-09	3.27E-07
4474	490863.09	3858377.25	4.26E-04	5.22E-04	4.58E-04	1.48E-07	4.46E-07	2.58E-07	3.16E-07	2.87E-07	1.31E-07	1.15E-07	4.93E-09	1.19E-07	2.63E-08	4.30E-08	6.81E-08	1.20E-08	7.57E-09	2.81E-07
4475	491363.09	3858377.25	3.66E-04	4.48E-04	3.92E-04	1.27E-07	3.83E-07	2.21E-07	2.71E-07	2.46E-07	1.12E-07	9.83E-08	4.23E-09	1.02E-07	2.26E-08	3.68E-08	5.84E-08	1.03E-08	6.48E-09	2.41E-07
4476	491863.09	3858377.25	2.89E-04	3.54E-04	3.10E-04	1.00E-07	3.03E-07	1.75E-07	2.15E-07	1.94E-07	8.87E-08	7.77E-08	3.35E-09	8.08E-08	1.78E-08	2.91E-08	4.62E-08	8.14E-09	5.13E-09	1.91E-07
4477	492363.09	3858377.25	1.89E-04	2.32E-04	2.03E-04	6.56E-08	1.98E-07	1.15E-07	1.40E-07	1.27E-07	5.81E-08	5.09E-08	2.19E-09	5.29E-08	1.17E-08	1.91E-08	3.02E-08	5.33E-09	3.35E-09	1.25E-07
4478	492863.09	3858377.25	1.95E-04	2.39E-04	2.09E-04	6.76E-08	2.04E-07	1.18E-07	1.45E-07	1.31E-07	5.98E-08	5.24E-08	2.26E-09	5.45E-08	1.20E-08	1.96E-08	3.12E-08	5.49E-09	3.46E-09	1.29E-07
4479	493363.09	3858377.25	1.62E-04	1.98E-04	1.74E-04	5.61E-08	1.69E-07	9.80E-08	1.20E-07	1.09E-07	4.96E-08	4.35E-08	1.87E-09	4.52E-08	9.98E-09	1.63E-08	2.59E-08	4.56E-09	2.87E-09	1.07E-07
4480	493863.09	3858377.25	1.44E-04	1.76E-04	1.54E-04	4.99E-08	1.51E-07	8.72E-08	1.07E-07	9.68E-08	4.42E-08	3.87E-08	1.67E-09	4.02E-08	8.88E-09	1.45E-08	2.30E-08	4.05E-09	2.55E-09	9.49E-08
4481	494363.09	3858377.25	1.25E-04	1.53E-04	1.34E-04	4.34E-08	1.31E-07	7.59E-08	9.29E-08	8.43E-08	3.84E-08	3.37E-08	1.45E-09	3.50E-08	7.73E-09	1.26E-08	2.00E-08	3.53E-09	2.22E-09	8.26E-08
4482	494863.09	3858377.25	1.11E-04	1.35E-04	1.19E-04	3.83E-08	1.16E-07	6.70E-08	8.20E-08	7.44E-08	3.39E-08	2.97E-08	1.28E-09	3.09E-08	6.82E-09	1.11E-08	1.77E-08	3.11E-09	1.96E-09	7.29E-08
4483	495363.09	3858377.25	9.53E-05	1.17E-04	1.02E-04	3.30E-08	9.97E-08	5.77E-08	7.07E-08	6.41E-08	2.92E-08	2.56E-08	1.10E-09	2.66E-08	5.88E-09	9.60E-09	1.52E-08	2.68E-09	1.69E-09	6.28E-08
4484	495863.09	3858377.25	9.14E-05	1.12E-04	9.82E-05	3.17E-08	9.57E-08	5.54E-08	6.78E-08	6.15E-08	2.81E-08	2.46E-08	1.06E-09	2.56E-08	5.64E-09	9.21E-09	1.46E-08	2.58E-09	1.62E-09	6.03E-08
4485	496363.09	3858377.25	8.71E-05	1.07E-04	9.35E-05	3.02E-08	9.11E-08	5.27E-08	6.46E-08	5.86E-08	2.67E-08	2.34E-08	1.01E-09	2.43E-08	5.37E-09	8.77E-09	1.39E-08	2.45E-09	1.54E-09	5.74E-08
4486	496863.09	3858377.25	8.98E-05	1.10E-04	9.64E-05	3.11E-08	9.39E-08	5.44E-08	6.66E-08	6.04E-08	2.76E-08	2.41E-08	1.04E-09	2.51E-08	5.54E-09	9.04E-09	1.43E-08	2.53E-09	1.59E-09	5.92E-08
4487	497363.09	3858377.25	8.88E-05	1.09E-04	9.54E-05	3.08E-08	9.30E-08	5.38E-08	6.59E-08	5.97E-08	2.73E-08	2.39E-08	1.03E-09	2.48E-08	5.48E-09	8.95E-09	1.42E-08	2.50E-09	1.58E-09	5.86E-08
4488	497863.09	3858377.25	9.65E-05	1.18E-04	1.04E-04	3.35E-08	1.01E-07	5.85E-08	7.16E-08	6.49E-08	2.96E-08	2.60E-08	1.12E-09	2.70E-08	5.96E-09	9.73E-09	1.54E-08	2.72E-09	1.71E-09	6.36E-08
4489	498363.09	3858377.25	1.06E-04	1.30E-04	1.14E-04	3.67E-08	1.11E-07	6.41E-08	7.86E-08	7.12E-08	3.25E-08	2.85E-08	1.23E-09	2.96E-08	6.53E-09	1.07E-08	1.69E-08	2.98E-09	1.88E-09	6.98E-08
4490	471363.09	3858877.25	1.93E-05	2.36E-05	2.07E-05	6.67E-09	2.01E-08	1.17E-08	1.43E-08	1.29E-08	5.91E-09	5.18E-09	2.23E-10	5.38E-09	1.19E-09	1.94E-09	3.08E-09	5.42E-10	3.42E-10	1.27E-08
4491	471863.09	3858877.25	2.02E-05	2.47E-05	2.17E-05	7.00E-09	2.11E-08	1.22E-08	1.50E-08	1.36E-08	6.20E-09	5.43E-09	2.34E-10	5.65E-09	1.25E-09	2.03E-09	3.23E-09	5.69E-10	3.58E-10	1.33E-08
4492	472363.09	3858877.25	2.18E-05	2.67E-05	2.34E-05	7.56E-09	2.28E-08	1.32E-08	1.62E-08	1.47E-08	6.70E-09	5.87E-09	2.52E-10	6.10E-09	1.35E-09	2.20E-09	3.49E-09	6.14E-10	3.87E-10	1.44E-08
4493	472863.09	3858877.25	2.34E-05	2.87E-05	2.51E-05	8.11E-09	2.45E-08	1.42E-08	1.74E-08	1.57E-08	7.18E-09	6.29E-09	2.71E-10	6.54E-09	1.44E-09	2.36E-09	3.74E-09	6.59E-10	4.15E-10	1.54E-08
4494	473363.09	3858877.25	2.54E-05	3.11E-05	2.73E-05	8.81E-09	2.66E-08	1.54E-08	1.89E-08	1.71E-08	7.80E-09	6.84E-09	2.94E-10	7.11E-09	1.57E-09	2.56E-09	4.06E-09	7.16E-10	4.51E-10	1.68E-08
4495	473863.09	3858877.25	2.66E-05	3.25E-05	2.85E-05	9.21E-09	2.78E-08	1.61E-08	1.97E-08	1.79E-08	8.15E-09	7.14E-09	3.07E-10	7.43E-09	1.64E-09	2.68E-09	4.25E-09	7.48E-10	4.71E-10	1.75E-08
4496	474363.09	3858877.25	2.59E-05	3.17E-05	2.78E-05	8.98E-09	2.71E-08	1.57E-08	1.92E-08	1.74E-08	7.95E-09	6.97E-09	3.00E-10	7.24E-09	1.60E-09	2.61E-09	4.14E-09	7.30E-10	4.60E-10	1.71E-08
4497	474863.09	3858877.25	1.33E-05	1.63E-05	1.43E-05	4.61E-09	1.39E-08	8.06E-09	9.87E-09	8.95E-09	4.08E-09	3.58E-09	1.54E-10	3.72E-09	8.21E-10	1.34E-09	2.13E-09	3.75E-10	2.36E-10	8.77E-09
4498	475363.09	3858877.25	9.51E-06	1.17E-05	1.02E-05	3.30E-09	9.95E-09	5.76E-09	7.06E-09	6.40E-09	2.92E-09	2.56E-09	1.10E-10	2.66E-09	5.87E-10	9.58E-10	1.52E-09	2.68E-10	1.69E-10	6.27E-09
4499	475863.09	3858877.25	1.12E-05	1.38E-05	1.21E-05	3.89E-09	1.18E-08	6.81E-09	8.34E-09	7.56E-09	3.45E-09	3.02E-09	1.30E-10	3.14E-09	6.93E-10	1.13E-09	1.80E-09	3.16E-10	1.99E-10	7.41E-09
4500	476363.09	3858877.25	6.75E-06	8.27E-06	7.25E-06	2.34E-09	7.06E-09	4.09E-09	5.01E-09	4.54E-09	2.07E-09	1.82E-09	7.81E-11	1.89E-09	4.16E-10	6.80E-10	1.08E-09	1.90E-10	1.20E-10	4.45E-09
4501	476863.09	3858877.25	8.86E-06	1.09E-05	9.52E-06	3.07E-09	9.27E-09	5.37E-09	6.57E-09	5.96E-09	2.72E-09	2.38E-09	1.03E-10	2.48E-09	5.47E-10	8.93E-10	1.42E-09	2.50E-10	1.57E-10	5.84E-09
4502	477363.09	3858877.25	9.19E-06	1.13E-05	9.87E-06	3.18E-09	9.62E-09	5.57E-09	6.82E-09	6.18E-09	2.82E-09	2.47E-09	1.06E-10	2.57E-09	5.67E-10	9.26E-10	1.47E-09	2.59E-10	1.63E-10	6.06E-09
4503	477863.09	3858877.25	1.19E-05	1.46E-05	1.28E-05	4.13E-09	1.25E-08	7.21E-09	8.83E-09	8.01E-09	3.65E-09	3.20E-09	1.38E-10	3.33E-09	7.34E-10	1.20E-09	1.90E-09	3.35E-10	2.11E-10	7.85E-09
4504	478363.09	3858877.25	2.72E-05	3.33E-05	2.92E-05	9.42E-09	2.84E-08	1.65E-08	2.02E-08	1.83E-08	8.34E-09	7.32E-09	3.14E-10	7.60E-09	1.68E-09	2.74E-09	4.34E-09	7.65E-10	4.83E-10	1.79E-08
4505	478863.09	3858877.25	2.29E-05	2.81E-05	2.46E-05	7.94E-09	2.40E-08	1.39E-08	1.70E-08	1.54E-08	7.03E-09	6.17E-09	2.65E-10	6.41E-09	1.41E-09	2.31E-09	3.66E-09	6.46E-10	4.07E-10	1.51E-08
4506	479363.09	3858877.25	1.81E-05	2.22E-05	1.95E-05	6.29E-09	1.90E-08	1.10E-08	1.35E-08	1.22E-08	5.57E-09	4.88E-09	2.10E-10	5.07E-09	1.12E-09	1.83E-09	2.90E-09	5.11E-10	3.22E-10	1.20E-08
4507	479863.09	3858877.25	6.77E-05	8.29E-05	7.28E-05	2.35E-08	7.08E-08	4.10E-08	5.02E-08	4.55E-08	2.08E-08	1.82E-08	7.84E-10	1.89E-08	4.18E-09	6.82E-09	1.08E-08	1.91E-09	1.20E-09	4.46E-08

4508	480363.09	3858877.25	7.61E-05	9.32E-05	8.17E-05	2.64E-08	7.96E-08	4.61E-08	5.64E-08	5.12E-08	2.33E-08	2.05E-08	8.80E-10	2.13E-08	4.69E-09	7.66E-09	1.22E-08	2.14E-09	1.35E-09	5.01E-08
4509	480863.09	3858877.25	8.44E-05	1.03E-04	9.07E-05	2.93E-08	8.83E-08	5.11E-08	6.26E-08	5.68E-08	2.59E-08	2.27E-08	9.77E-10	2.36E-08	5.21E-09	8.51E-09	1.35E-08	2.38E-09	1.50E-09	5.57E-08
4510	481363.09	3858877.25	9.35E-05	1.15E-04	1.00E-04	3.24E-08	9.78E-08	5.66E-08	6.94E-08	6.29E-08	2.87E-08	2.52E-08	1.08E-09	2.61E-08	5.77E-09	9.42E-09	1.49E-08	2.63E-09	1.66E-09	6.16E-08
4511	481863.09	3858877.25	1.04E-04	1.28E-04	1.12E-04	3.61E-08	1.09E-07	6.31E-08	7.73E-08	7.01E-08	3.20E-08	2.81E-08	1.21E-09	2.91E-08	6.43E-09	1.05E-08	1.67E-08	2.94E-09	1.85E-09	6.87E-08
4512	482363.09	3858877.25	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.00E-08	8.57E-08	7.77E-08	3.55E-08	3.11E-08	1.34E-09	3.23E-08	7.13E-09	1.16E-08	1.85E-08	3.25E-09	2.05E-09	7.62E-08
4513	482863.09	3858877.25	1.28E-04	1.57E-04	1.38E-04	4.44E-08	1.34E-07	7.77E-08	9.52E-08	8.63E-08	3.94E-08	3.45E-08	1.48E-09	3.59E-08	7.91E-09	1.29E-08	2.05E-08	3.61E-09	2.28E-09	8.46E-08
4514	483363.09	3858877.25	1.34E-04	1.64E-04	1.43E-04	4.63E-08	1.40E-07	8.09E-08	9.91E-08	8.99E-08	4.10E-08	3.60E-08	1.55E-09	3.74E-08	8.24E-09	1.35E-08	2.14E-08	3.76E-09	2.37E-09	8.81E-08
4515	483863.09	3858877.25	1.44E-04	1.76E-04	1.55E-04	4.99E-08	1.51E-07	8.72E-08	1.07E-07	9.68E-08	4.42E-08	3.87E-08	1.67E-09	4.02E-08	8.88E-09	1.45E-08	2.30E-08	4.05E-09	2.55E-09	9.49E-08
4516	484363.09	3858877.25	1.58E-04	1.94E-04	1.70E-04	5.49E-08	1.66E-07	9.60E-08	1.18E-07	1.07E-07	4.86E-08	4.26E-08	1.83E-09	4.43E-08	9.77E-09	1.60E-08	2.53E-08	4.46E-09	2.81E-09	1.04E-07
4517	484863.09	3858877.25	1.74E-04	2.13E-04	1.87E-04	6.02E-08	1.82E-07	1.05E-07	1.29E-07	1.17E-07	5.33E-08	4.67E-08	2.01E-09	4.85E-08	1.07E-08	1.75E-08	2.77E-08	4.89E-09	3.08E-09	1.14E-07
4518	485363.09	3858877.25	1.91E-04	2.34E-04	2.05E-04	6.61E-08	2.00E-07	1.16E-07	1.41E-07	1.28E-07	5.85E-08	5.13E-08	2.21E-09	5.33E-08	1.18E-08	1.92E-08	3.05E-08	5.37E-09	3.38E-09	1.26E-07
4519	485863.09	3858877.25	2.11E-04	2.58E-04	2.26E-04	7.31E-08	2.21E-07	1.28E-07	1.57E-07	1.42E-07	6.47E-08	5.67E-08	2.44E-09	5.90E-08	1.30E-08	2.12E-08	3.37E-08	5.94E-09	3.74E-09	1.39E-07
4520	486363.09	3858877.25	2.32E-04	2.84E-04	2.49E-04	8.03E-08	2.42E-07	1.40E-07	1.72E-07	1.56E-07	7.11E-08	6.23E-08	2.68E-09	6.48E-08	1.43E-08	2.33E-08	3.70E-08	6.52E-09	4.11E-09	1.53E-07
4521	486863.09	3858877.25	2.58E-04	3.16E-04	2.77E-04	8.93E-08	2.70E-07	1.56E-07	1.91E-07	1.73E-07	7.91E-08	6.93E-08	2.98E-09	7.20E-08	1.59E-08	2.60E-08	4.12E-08	7.26E-09	4.57E-09	1.70E-07
4522	487363.09	3858877.25	2.98E-04	3.65E-04	3.20E-04	1.03E-07	3.12E-07	1.81E-07	2.21E-07	2.00E-07	9.14E-08	8.03E-08	3.45E-09	8.33E-08	1.84E-08	3.00E-08	4.76E-08	8.39E-09	5.29E-09	1.96E-07
4523	487863.09	3858877.25	3.55E-04	4.35E-04	3.82E-04	1.23E-07	3.72E-07	2.15E-07	2.64E-07	2.39E-07	1.09E-07	9.58E-08	4.11E-09	9.94E-08	2.19E-08	3.58E-08	5.68E-08	1.00E-08	6.32E-09	2.34E-07
4524	488363.09	3858877.25	5.14E-04	6.30E-04	5.53E-04	1.78E-07	5.38E-07	3.11E-07	3.81E-07	3.46E-07	1.58E-07	1.39E-07	5.95E-09	1.44E-07	3.17E-08	5.18E-08	8.21E-08	1.45E-08	9.15E-09	3.39E-07
4525	488863.09	3858877.25	1.86E-03	2.28E-03	2.01E-03	6.44E-07	1.94E-06	1.13E-06	1.38E-06	1.25E-06	5.71E-07	5.03E-07	2.15E-08	5.20E-07	1.15E-07	1.87E-07	2.97E-07	5.24E-08	3.32E-08	1.23E-06
4526	489363.09	3858877.25	6.39E-04	7.83E-04	6.89E-04	2.22E-07	6.69E-07	3.87E-07	4.74E-07	4.30E-07	1.96E-07	1.73E-07	7.40E-09	1.79E-07	3.94E-08	6.44E-08	1.02E-07	1.80E-08	1.14E-08	4.21E-07
4527	489863.09	3858877.25	4.47E-04	5.48E-04	4.81E-04	1.55E-07	4.68E-07	2.71E-07	3.32E-07	3.01E-07	1.37E-07	1.21E-07	5.18E-09	1.25E-07	2.76E-08	4.51E-08	7.15E-08	1.26E-08	7.96E-09	2.95E-07
4528	490363.09	3858877.25	3.70E-04	4.54E-04	3.98E-04	1.28E-07	3.88E-07	2.24E-07	2.75E-07	2.49E-07	1.14E-07	9.98E-08	4.29E-09	1.04E-07	2.28E-08	3.73E-08	5.92E-08	1.04E-08	6.58E-09	2.44E-07
4529	490863.09	3858877.25	3.16E-04	3.87E-04	3.39E-04	1.09E-07	3.30E-07	1.91E-07	2.34E-07	2.12E-07	9.69E-08	8.50E-08	3.65E-09	8.83E-08	1.95E-08	3.18E-08	5.05E-08	8.89E-09	5.61E-09	2.08E-07
4530	491363.09	3858877.25	2.60E-04	3.18E-04	2.79E-04	9.00E-08	2.72E-07	1.57E-07	1.93E-07	1.75E-07	7.97E-08	6.99E-08	3.01E-09	7.26E-08	1.60E-08	2.62E-08	4.15E-08	7.32E-09	4.61E-09	1.71E-07
4531	491863.09	3858877.25	1.94E-04	2.38E-04	2.08E-04	6.72E-08	2.03E-07	1.18E-07	1.44E-07	1.31E-07	5.95E-08	5.22E-08	2.25E-09	5.42E-08	1.20E-08	1.95E-08	3.10E-08	5.46E-09	3.44E-09	1.28E-07
4532	492363.09	3858877.25	2.05E-04	2.51E-04	2.20E-04	7.12E-08	2.15E-07	1.24E-07	1.52E-07	1.38E-07	6.30E-08	5.52E-08	2.38E-09	5.74E-08	1.27E-08	2.07E-08	3.28E-08	5.78E-09	3.64E-09	1.35E-07
4533	492863.09	3858877.25	2.09E-04	2.56E-04	2.24E-04	7.24E-08	2.19E-07	1.27E-07	1.55E-07	1.41E-07	6.41E-08	5.62E-08	2.42E-09	5.84E-08	1.29E-08	2.11E-08	3.34E-08	5.89E-09	3.71E-09	1.38E-07
4534	493363.09	3858877.25	1.88E-04	2.30E-04	2.01E-04	6.51E-08	1.96E-07	1.14E-07	1.39E-07	1.26E-07	5.76E-08	5.05E-08	2.17E-09	5.25E-08	1.16E-08	1.89E-08	3.00E-08	5.29E-09	3.33E-09	1.24E-07
4535	493863.09	3858877.25	1.56E-04	1.91E-04	1.67E-04	5.40E-08	1.63E-07	9.44E-08	1.16E-07	1.05E-07	4.78E-08	4.19E-08	1.80E-09	4.36E-08	9.62E-09	1.57E-08	2.49E-08	4.39E-09	2.76E-09	1.03E-07
4536	494363.09	3858877.25	1.42E-04	1.74E-04	1.52E-04	4.91E-08	1.48E-07	8.58E-08	1.05E-07	9.53E-08	4.35E-08	3.81E-08	1.64E-09	3.96E-08	8.74E-09	1.43E-08	2.26E-08	3.99E-09	2.51E-09	9.34E-08
4537	494863.09	3858877.25	1.26E-04	1.54E-04	1.35E-04	4.35E-08	1.31E-07	7.61E-08	9.32E-08	8.45E-08	3.85E-08	3.38E-08	1.45E-09	3.51E-08	7.75E-09	1.27E-08	2.01E-08	3.54E-09	2.23E-09	8.28E-08
4538	495363.09	3858877.25	1.11E-04	1.36E-04	1.20E-04	3.86E-08	1.17E-07	6.75E-08	8.27E-08	7.49E-08	3.42E-08	3.00E-08	1.29E-09	3.11E-08	6.87E-09	1.12E-08	1.78E-08	3.14E-09	1.98E-09	7.34E-08
4539	495863.09	3858877.25	1.04E-04	1.27E-04	1.12E-04	3.60E-08	1.09E-07	6.30E-08	7.72E-08	7.00E-08	3.19E-08	2.80E-08	1.20E-09	2.91E-08	6.42E-09	1.05E-08	1.66E-08	2.93E-09	1.84E-09	6.86E-08
4540	496363.09	3858877.25	1.01E-04	1.24E-04	1.08E-04	3.50E-08	1.06E-07	6.12E-08	7.49E-08	6.79E-08	3.10E-08	2.71E-08	1.17E-09	2.82E-08	6.23E-09	1.02E-08	1.61E-08	2.84E-09	1.79E-09	6.66E-08
4541	496863.09	3858877.25	9.81E-05	1.20E-04	1.05E-04	3.40E-08	1.03E-07	5.94E-08	7.28E-08	6.60E-08	3.01E-08	2.64E-08	1.14E-09	2.74E-08	6.05E-09	9.88E-09	1.57E-08	2.76E-09	1.74E-09	6.47E-08
4542	497363.09	3858877.25	9.50E-05	1.16E-04	1.02E-04	3.29E-08	9.94E-08	5.76E-08	7.05E-08	6.39E-08	2.92E-08	2.56E-08	1.10E-09	2.66E-08	5.86E-09	9.57E-09	1.52E-08	2.68E-09	1.69E-09	6.27E-08
4543	497863.09	3858877.25	1.03E-04	1.26E-04	1.10E-04	3.56E-08	1.07E-07	6.22E-08	7.62E-08	6.91E-08	3.15E-08	2.76E-08	1.19E-09	2.87E-08	6.34E-09	1.03E-08	1.64E-08	2.89E-09	1.82E-09	6.77E-08
4544	498363.09	3858877.25	1.08E-04	1.32E-04	1.15E-04	3.73E-08	1.13E-07	6.52E-08	7.98E-08	7.23E-08	3.30E-08	2.89E-08	1.24E-09	3.01E-08	6.63E-09	1.08E-08	1.72E-08	3.03E-09	1.91E-09	7.09E-08
4545	471363.09	3859377.25	1.95E-05	2.39E-05	2.10E-05	6.77E-09	2.04E-08	1.18E-08	1.45E-08	1.31E-08	5.99E-09	5.25E-09	2.26E-10	5.46E-09	1.20E-09	1.97E-09	3.12E-09	5.50E-10	3.46E-10	1.29E-08
4546	471863.09	3859377.25	2.07E-05	2.53E-05	2.22E-05	7.17E-09	2.16E-08	1.25E-08	1.53E-08	1.39E-08	6.35E-09	5.56E-09	2.39E-10	5.78E-09	1.28E-09	2.08E-09	3.31E-09	5.83E-10	3.67E-10	1.36E-08
4547	472363.09	3859377.25	2.22E-05	2.72E-05	2.38E-05	7.69E-09	2.32E-08	1.34E-08	1.65E-08	1.49E-08	6.81E-09	5.97E-09	2.57E-10	6.20E-09	1.37E-09	2.23E-09	3.54E-09	6.25E-10	3.94E-10	1.46E-08
4548	472863.09	3859377.25	2.36E-05	2.89E-05	2.54E-05	8.18E-09	2.47E-08	1.43E-08	1.75E-08	1.59E-08	7.25E-09	6.35E-09	2.73E-10	6.60E-09	1.46E-09	2.38E-09	3.77E-09	6.65E-10	4.19E-10	1.56E-08
4549	473363.09	3859377.25	2.53E-05	3.09E-05	2.71E-05	8.76E-09	2.64E-08	1.53E-08	1.87E-08	1.70E-08	7.75E-09	6.80E-09	2.92E-10	7.06E-09	1.56E-09	2.55E-09	4.04E-09	7.12E-10	4.48E-10	1.67E-08
4550	473863.09	3859377.25	2.67E-05	3.27E-05	2.87E-05	9.25E-09	2.79E-08	1.62E-08	1.98E-08	1.79E-08	8.19E-09	7.18E-09	3.09E-10	7.46E-09	1.65E-09	2.69E-09	4.26E-09	7.52E-10	4.74E-10	1.76E-08
4551	474363.09	3859377.25	2.59E-05	3.18E-05	2.79E-05	8.99E-09	2.71E-08	1.57E-08	1.93E-08	1.75E-08	7.96E-09	6.98E-09	3.00E-10	7.25E-09	1.60E-09	2.61E-09	4.15E-09	7.31E-10	4.61E-10	1.71E-08
4552	474863.09	3859377.25	2.09E-05	2.56E-05	2.25E-05	7.25E-09	2.19E-08	1.27E-08	1.55E-08	1.41E-08	6.42E-09	5.63E-09	2.42E-10	5.85E-09	1.29E-09	2.11E-09	3.34E-09	5.89E-10	3.71E-10	1.38E-08
4553	475363.09	3859377.25	1.39E-05	1.70E-05	1.49E-05	4.81E-09	1.45E-08	8.41E-09	1.03E-08	9.34E-09	4.26E-09	3.73E-09	1.61E-10	3.88E-09	8.56E-10	1.40E-09	2.22E-09	3.91E-10	2.46E-10	9.15E-09
4554	475863.09	3859377.25	8.57E-06	1.05E-05	9.20E-06	2.97E-09	8.96E-09	5.19E-09	6.36E-09	5.76E-09	2.63E-09	2.31E-09	9.91E-11	2.39E-09	5.28E-10	8.63E-10	1.37E-09	2.41E-10	1.52E-10	5.65E-09
4555	476363.09	3859377.25	7.57E-06	9.27E-06	8.13E-06	2.62E-09	7.92E-09	4.59E-09	5.62E-09	5.09E-09	2.32E-09	2.04E-09	8.76E-11	2.12E-09	4.67E-10	7.63E-10	1.21E-09	2.13E-10	1.34E-10	4.99E-09
4556	476863.09	3859377.25	6.05E-06	7.42E-06	6.50E-06	2.10E-09	6.34E-09	3.67E-09	4.49E-09	4.07E-09	1.86E-09	1.63E-09	7.01E-11	1.69E-09	3.73E-10	6.10E-10	9.68E-10	1.71E-10	1.07E-10	3.99E-09
4557	477363.09	3859377.25	6.72E-06	8.23E-06	7.22E-06	2.33E-09	7.03E-09	4.07E-09	4.99E-09	4.52E-09	2.06E-09	1.81E-09	7.78E-11	1.88E-09	4.15E-10	6.77E-10	1.07E-09	1.89E-10	1.19E-10	4.43E-09
4558	477863.09	3859377.25	1.37E-05	1.67E-05	1.47E-05	4.74E-09	1.43E-08	8.28E-09	1.01E-08	9.20E-09	4.20E-09	3.68E-09	1.58E-10	3.82E-09	8.43E-10	1.38E-09	2.19E-09	3.85E-10	2.43E-10	9.02E-09
4559	478363.09	3859377.25	2.36E-05	2.89E-05	2.54E-05	8.18E-09	2.47E-08	1.43E-08	1.75E-08	1.59E-08	7.25E-09	6.35E-09	2.73E-10	6.60E-09	1.46E-09	2.38E-09	3.77E-09	6.65E-10	4.19E-10	1.56E-08
4560	478863.09	3859377.25	3.85E-05	4.71E-05	4.13E-05	1.33E-08	4.03E-08	2.33E-08	2.85E-08	2.59E-08	1.18E-08	1.04E-08	4.45E-10	1.08E-08	2.37E-09	3.88E-09	6.15E-09	1.08E-09	6.83E-10	2.54E-08
4561	479363.09	3859377.25	5.13E-05	6.28E-05	5.51E-05	1.78E-08	5.36E-08	3.11E-08	3.80E-08	3.45E-08	1.57E-08	1.38E-08	5.93E-10	1.43E-08	3.16E-09	5.17E-09	8.19E-09	1.44E-09	9.10E-10	3.38E-08
4562	479863.09	3859377.25	6.12E-05	7.50E-05	6.58E-05	2.12E-08	6.41E-08	3.71E-08	4.54E-08	4.12E-08	1.88E-08	1.65E-08	7.09E-10	1.71E-08	3.78E-09	6.17E-09	9.78E-09	1.72E-09	1.09E-09	4.04E-08
4563	480363.09	3859377.25	6.99E-05	8.56E-05	7.51E-05	2.42E-08	7.31E-08	4.23E-08	5.19E-08	4.70E-08	2.14E-08	1.88E-08	8.09E-10	1.95E-08	4.31E-09	7.04E-09	1.12E-08	1.97E-09	1.24E-09	4.61E-08
4564	480863.09	3859377.25	7.70E-05	9.43E-05	8.26E-05	2.67E-08	8.05E-08	4.66E-08	5.71E-08	5.18E-08	2.36E-08	2.07E-08	8.91E-10	2.15E-08	4.75E-09	7.75E-09	1.23E-08	2.17E-09	1.37E-09	5.07E-08
4565	481363.09	3859377.25	8.46E-05	1.04E-04	9.09E-05	2.93E-08	8.86E-08	5.13E-08	6.28E-08	5.69E-08	2.60E-08	2.28E-08	9.80E-10	2.37E-08	5.22E-09	8.53E-09	1.35E-08	2.38E-09	1.50E-09	5.58E-08
4566	481863.09	3859377.25	9.30E-05	1.14E-04	9.99E-05	3.22E-08	9.73E-08	5.63E-08	6.90E-08	6.25E-08	2.85E-08	2.50E-08	1.08E-09	2.60E-08	5.74E-09	9.37E-09	1.49E-08	2.62E-09	1.65E-09	6.13E-08
4567	482363.09	3859377.25	1.01E-04	1.24E-04	1.09E-04	3.51E-08	1.06E-07	6.14E-08	7.52E-08	6.82E-08	3.11E-08	2.73E-08	1.17E-09	2.83E-08	6.25E-09	1.02E-08	1.62E-08	2.86E-09	1.80E-09	6.68E-08
4568	482863.09	3859377.25	1.10E-04	1.35E-04	1.19E-04	3.83E-08	1.16E-07	6.69E-08	8.20E-08	7.43E-08	3.39E-08	2.97E-08	1.28E-09	3.09E-08	6.82E-09	1.11E-08	1.77E-08	3.11E-09	1.96E-09	7.28E-08

4569	483363.09	3859377.25	1.18E-04	1.45E-04	1.27E-04	4.09E-08	1.24E-07	7.16E-08	8.76E-08	7.94E-08	3.62E-08	3.18E-08	1.37E-09	3.30E-08	7.29E-09	1.19E-08	1.89E-08	3.33E-09	2.10E-09	7.79E-08
4570	483863.09	3859377.25	1.20E-04	1.48E-04	1.29E-04	4.17E-08	1.26E-07	7.30E-08	8.94E-08	8.10E-08	3.70E-08	3.24E-08	1.39E-09	3.37E-08	7.43E-09	1.21E-08	1.92E-08	3.39E-09	2.14E-09	7.94E-08
4571	484363.09	3859377.25	1.30E-04	1.59E-04	1.40E-04	4.50E-08	1.36E-07	7.87E-08	9.64E-08	8.74E-08	3.99E-08	3.50E-08	1.50E-09	3.63E-08	8.01E-09	1.31E-08	2.08E-08	3.66E-09	2.31E-09	8.56E-08
4572	484863.09	3859377.25	1.40E-04	1.71E-04	1.50E-04	4.85E-08	1.46E-07	8.47E-08	1.04E-07	9.41E-08	4.29E-08	3.77E-08	1.62E-09	3.91E-08	8.63E-09	1.41E-08	2.24E-08	3.94E-09	2.48E-09	9.22E-08
4573	485363.09	3859377.25	1.50E-04	1.84E-04	1.61E-04	5.20E-08	1.57E-07	9.08E-08	1.11E-07	1.01E-07	4.60E-08	4.04E-08	1.74E-09	4.19E-08	9.25E-09	1.51E-08	2.40E-08	4.22E-09	2.66E-09	9.89E-08
4574	485863.09	3859377.25	1.60E-04	1.96E-04	1.72E-04	5.56E-08	1.68E-07	9.72E-08	1.19E-07	1.08E-07	4.92E-08	4.31E-08	1.86E-09	4.48E-08	9.89E-09	1.62E-08	2.56E-08	4.52E-09	2.85E-09	1.06E-07
4575	486363.09	3859377.25	1.71E-04	2.10E-04	1.84E-04	5.94E-08	1.79E-07	1.04E-07	1.27E-07	1.15E-07	5.26E-08	4.61E-08	1.98E-09	4.79E-08	1.06E-08	1.73E-08	2.74E-08	4.83E-09	3.04E-09	1.13E-07
4576	486863.09	3859377.25	1.81E-04	2.22E-04	1.94E-04	6.27E-08	1.89E-07	1.10E-07	1.34E-07	1.22E-07	5.55E-08	4.87E-08	2.09E-09	5.06E-08	1.12E-08	1.82E-08	2.89E-08	5.09E-09	3.21E-09	1.19E-07
4577	487363.09	3859377.25	1.92E-04	2.35E-04	2.06E-04	6.66E-08	2.01E-07	1.16E-07	1.43E-07	1.29E-07	5.90E-08	5.17E-08	2.22E-09	5.37E-08	1.19E-08	1.94E-08	3.07E-08	5.41E-09	3.41E-09	1.27E-07
4578	487863.09	3859377.25	2.11E-04	2.58E-04	2.26E-04	7.30E-08	2.20E-07	1.28E-07	1.56E-07	1.42E-07	6.46E-08	5.67E-08	2.44E-09	5.89E-08	1.30E-08	2.12E-08	3.37E-08	5.93E-09	3.74E-09	1.39E-07
4579	488363.09	3859377.25	2.29E-04	2.81E-04	2.46E-04	7.94E-08	2.40E-07	1.39E-07	1.70E-07	1.54E-07	7.03E-08	6.17E-08	2.65E-09	6.40E-08	1.41E-08	2.31E-08	3.66E-08	6.45E-09	4.07E-09	1.51E-07
4580	488863.09	3859377.25	2.41E-04	2.95E-04	2.59E-04	8.34E-08	2.52E-07	1.46E-07	1.79E-07	1.62E-07	7.39E-08	6.48E-08	2.79E-09	6.73E-08	1.48E-08	2.43E-08	3.85E-08	6.78E-09	4.28E-09	1.59E-07
4581	489363.09	3859377.25	2.44E-04	2.99E-04	2.62E-04	8.46E-08	2.55E-07	1.48E-07	1.81E-07	1.64E-07	7.49E-08	6.57E-08	2.82E-09	6.82E-08	1.50E-08	2.46E-08	3.90E-08	6.87E-09	4.33E-09	1.61E-07
4582	489863.09	3859377.25	2.36E-04	2.89E-04	2.54E-04	8.18E-08	2.47E-07	1.43E-07	1.75E-07	1.59E-07	7.24E-08	6.36E-08	2.73E-09	6.60E-08	1.46E-08	2.38E-08	3.77E-08	6.65E-09	4.19E-09	1.56E-07
4583	490363.09	3859377.25	2.29E-04	2.80E-04	2.46E-04	7.92E-08	2.39E-07	1.38E-07	1.70E-07	1.54E-07	7.01E-08	6.15E-08	2.64E-09	6.39E-08	1.41E-08	2.30E-08	3.65E-08	6.44E-09	4.06E-09	1.51E-07
4584	490863.09	3859377.25	2.16E-04	2.65E-04	2.32E-04	7.49E-08	2.26E-07	1.31E-07	1.60E-07	1.45E-07	6.63E-08	5.82E-08	2.50E-09	6.04E-08	1.33E-08	2.18E-08	3.45E-08	6.09E-09	3.84E-09	1.43E-07
4585	491363.09	3859377.25	1.86E-04	2.28E-04	1.99E-04	6.44E-08	1.94E-07	1.13E-07	1.38E-07	1.25E-07	5.70E-08	5.00E-08	2.15E-09	5.19E-08	1.15E-08	1.87E-08	2.97E-08	5.23E-09	3.30E-09	1.22E-07
4586	491863.09	3859377.25	1.96E-04	2.40E-04	2.11E-04	6.80E-08	2.05E-07	1.19E-07	1.46E-07	1.32E-07	6.02E-08	5.28E-08	2.27E-09	5.48E-08	1.21E-08	1.98E-08	3.13E-08	5.52E-09	3.48E-09	1.29E-07
4587	492363.09	3859377.25	1.87E-04	2.29E-04	2.01E-04	6.48E-08	1.96E-07	1.13E-07	1.39E-07	1.26E-07	5.74E-08	5.03E-08	2.17E-09	5.23E-08	1.15E-08	1.88E-08	2.99E-08	5.27E-09	3.32E-09	1.23E-07
4588	492863.09	3859377.25	1.78E-04	2.18E-04	1.91E-04	6.17E-08	1.86E-07	1.08E-07	1.32E-07	1.20E-07	5.46E-08	4.79E-08	2.06E-09	4.98E-08	1.10E-08	1.79E-08	2.84E-08	5.01E-09	3.16E-09	1.17E-07
4589	493363.09	3859377.25	1.64E-04	2.01E-04	1.76E-04	5.70E-08	1.72E-07	9.96E-08	1.22E-07	1.11E-07	5.04E-08	4.42E-08	1.90E-09	4.60E-08	1.01E-08	1.66E-08	2.63E-08	4.63E-09	2.92E-09	1.08E-07
4590	493863.09	3859377.25	1.55E-04	1.90E-04	1.67E-04	5.39E-08	1.63E-07	9.42E-08	1.15E-07	1.05E-07	4.77E-08	4.18E-08	1.80E-09	4.35E-08	9.59E-09	1.57E-08	2.48E-08	4.38E-09	2.76E-09	1.02E-07
4591	494363.09	3859377.25	1.45E-04	1.77E-04	1.55E-04	5.02E-08	1.52E-07	8.77E-08	1.07E-07	9.74E-08	4.44E-08	3.89E-08	1.68E-09	4.05E-08	8.93E-09	1.46E-08	2.31E-08	4.08E-09	2.57E-09	9.55E-08
4592	494863.09	3859377.25	1.29E-04	1.58E-04	1.38E-04	4.46E-08	1.35E-07	7.79E-08	9.54E-08	8.65E-08	3.95E-08	3.46E-08	1.49E-09	3.60E-08	7.93E-09	1.30E-08	2.06E-08	3.62E-09	2.28E-09	8.48E-08
4593	495363.09	3859377.25	1.22E-04	1.50E-04	1.31E-04	4.23E-08	1.28E-07	7.40E-08	9.06E-08	8.21E-08	3.75E-08	3.28E-08	1.41E-09	3.41E-08	7.53E-09	1.23E-08	1.95E-08	3.44E-09	2.17E-09	8.05E-08
4594	495863.09	3859377.25	1.13E-04	1.39E-04	1.22E-04	3.93E-08	1.19E-07	6.86E-08	8.40E-08	7.62E-08	3.48E-08	3.05E-08	1.31E-09	3.17E-08	6.99E-09	1.14E-08	1.81E-08	3.19E-09	2.01E-09	7.47E-08
4595	496363.09	3859377.25	1.10E-04	1.35E-04	1.19E-04	3.83E-08	1.16E-07	6.69E-08	8.19E-08	7.43E-08	3.39E-08	2.97E-08	1.28E-09	3.09E-08	6.81E-09	1.11E-08	1.76E-08	3.11E-09	1.96E-09	7.28E-08
4596	496863.09	3859377.25	1.00E-04	1.23E-04	1.08E-04	3.48E-08	1.05E-07	6.07E-08	7.44E-08	6.74E-08	3.08E-08	2.70E-08	1.16E-09	2.80E-08	6.19E-09	1.01E-08	1.60E-08	2.82E-09	1.78E-09	6.61E-08
4597	497363.09	3859377.25	1.01E-04	1.24E-04	1.09E-04	3.51E-08	1.06E-07	6.14E-08	7.53E-08	6.82E-08	3.11E-08	2.73E-08	1.17E-09	2.84E-08	6.26E-09	1.02E-08	1.62E-08	2.86E-09	1.80E-09	6.69E-08
4598	497863.09	3859377.25	1.04E-04	1.28E-04	1.12E-04	3.62E-08	1.09E-07	6.33E-08	7.75E-08	7.02E-08	3.20E-08	2.81E-08	1.21E-09	2.92E-08	6.44E-09	1.05E-08	1.67E-08	2.94E-09	1.85E-09	6.88E-08
4599	498363.09	3859377.25	1.03E-04	1.27E-04	1.11E-04	3.59E-08	1.08E-07	6.27E-08	7.68E-08	6.96E-08	3.18E-08	2.78E-08	1.20E-09	2.89E-08	6.38E-09	1.04E-08	1.65E-08	2.91E-09	1.84E-09	6.82E-08
4600	471363.09	3859877.25	1.98E-05	2.43E-05	2.13E-05	6.86E-09	2.07E-08	1.20E-08	1.47E-08	1.33E-08	6.08E-09	5.33E-09	2.29E-10	5.54E-09	1.22E-09	2.00E-09	3.17E-09	5.58E-10	3.52E-10	1.31E-08
4601	471863.09	3859877.25	2.09E-05	2.57E-05	2.25E-05	7.26E-09	2.19E-08	1.27E-08	1.55E-08	1.41E-08	6.43E-09	5.64E-09	2.42E-10	5.86E-09	1.29E-09	2.11E-09	3.35E-09	5.90E-10	3.72E-10	1.38E-08
4602	472363.09	3859877.25	2.21E-05	2.70E-05	2.37E-05	7.65E-09	2.31E-08	1.34E-08	1.64E-08	1.48E-08	6.77E-09	5.94E-09	2.55E-10	6.17E-09	1.36E-09	2.22E-09	3.53E-09	6.22E-10	3.92E-10	1.46E-08
4603	472863.09	3859877.25	2.36E-05	2.89E-05	2.53E-05	8.17E-09	2.47E-08	1.43E-08	1.75E-08	1.59E-08	7.24E-09	6.35E-09	2.73E-10	6.59E-09	1.45E-09	2.38E-09	3.77E-09	6.64E-10	4.19E-10	1.55E-08
4604	473363.09	3859877.25	2.52E-05	3.09E-05	2.71E-05	8.73E-09	2.64E-08	1.53E-08	1.87E-08	1.70E-08	7.73E-09	6.78E-09	2.92E-10	7.04E-09	1.55E-09	2.54E-09	4.03E-09	7.10E-10	4.47E-10	1.66E-08
4605	473863.09	3859877.25	2.69E-05	3.29E-05	2.88E-05	9.31E-09	2.81E-08	1.63E-08	1.99E-08	1.81E-08	8.24E-09	7.23E-09	3.11E-10	7.51E-09	1.66E-09	2.70E-09	4.29E-09	7.56E-10	4.77E-10	1.77E-08
4606	474363.09	3859877.25	2.72E-05	3.33E-05	2.92E-05	9.43E-09	2.85E-08	1.65E-08	2.02E-08	1.83E-08	8.35E-09	7.32E-09	3.15E-10	7.61E-09	1.68E-09	2.74E-09	4.35E-09	7.66E-10	4.83E-10	1.79E-08
4607	474863.09	3859877.25	2.55E-05	3.13E-05	2.74E-05	8.85E-09	2.67E-08	1.55E-08	1.89E-08	1.72E-08	7.83E-09	6.87E-09	2.95E-10	7.13E-09	1.57E-09	2.57E-09	4.08E-09	7.19E-10	4.53E-10	1.68E-08
4608	475363.09	3859877.25	1.69E-05	2.08E-05	1.82E-05	5.87E-09	1.77E-08	1.03E-08	1.26E-08	1.14E-08	5.20E-09	4.56E-09	1.96E-10	4.74E-09	1.05E-09	1.71E-09	2.71E-09	4.77E-10	3.01E-10	1.12E-08
4609	475863.09	3859877.25	8.29E-06	1.01E-05	8.90E-06	2.87E-09	8.67E-09	5.02E-09	6.15E-09	5.57E-09	2.54E-09	2.23E-09	9.59E-11	2.32E-09	5.11E-10	8.35E-10	1.32E-09	2.33E-10	1.47E-10	5.46E-09
4610	476363.09	3859877.25	4.86E-06	5.96E-06	5.22E-06	1.69E-09	5.09E-09	2.95E-09	3.61E-09	3.27E-09	1.49E-09	1.31E-09	5.63E-11	1.36E-09	3.00E-10	4.90E-10	7.77E-10	1.37E-10	8.63E-11	3.21E-09
4611	476863.09	3859877.25	5.75E-06	7.04E-06	6.18E-06	1.99E-09	6.02E-09	3.48E-09	4.27E-09	3.87E-09	1.76E-09	1.55E-09	6.65E-11	1.61E-09	3.55E-10	5.79E-10	9.19E-10	1.62E-10	1.02E-10	3.79E-09
4612	477363.09	3859877.25	6.29E-06	7.70E-06	6.75E-06	2.18E-09	6.58E-09	3.81E-09	4.66E-09	4.23E-09	1.93E-09	1.69E-09	7.27E-11	1.76E-09	3.88E-10	6.33E-10	1.00E-09	1.77E-10	1.12E-10	4.14E-09
4613	477863.09	3859877.25	1.23E-05	1.50E-05	1.32E-05	4.25E-09	1.28E-08	7.43E-09	9.10E-09	8.25E-09	3.77E-09	3.30E-09	1.42E-10	3.43E-09	7.57E-10	1.24E-09	1.96E-09	3.46E-10	2.18E-10	8.09E-09
4614	478363.09	3859877.25	2.32E-05	2.85E-05	2.50E-05	8.05E-09	2.43E-08	1.41E-08	1.72E-08	1.56E-08	7.13E-09	6.25E-09	2.69E-10	6.50E-09	1.43E-09	2.34E-09	3.71E-09	6.54E-10	4.12E-10	1.53E-08
4615	478863.09	3859877.25	3.70E-05	4.54E-05	3.98E-05	1.28E-08	3.88E-08	2.24E-08	2.75E-08	2.49E-08	1.14E-08	9.97E-09	4.29E-10	1.04E-08	2.29E-09	3.73E-09	5.92E-09	1.04E-09	6.58E-10	2.44E-08
4616	479363.09	3859877.25	4.98E-05	6.10E-05	5.35E-05	1.73E-08	5.21E-08	3.02E-08	3.70E-08	3.35E-08	1.53E-08	1.34E-08	5.76E-10	1.39E-08	3.07E-09	5.02E-09	7.96E-09	1.40E-09	8.84E-10	3.28E-08
4617	479863.09	3859877.25	5.80E-05	7.10E-05	6.23E-05	2.01E-08	6.07E-08	3.51E-08	4.30E-08	3.90E-08	1.78E-08	1.56E-08	6.71E-10	1.62E-08	3.58E-09	5.84E-09	9.27E-09	1.63E-09	1.03E-09	3.82E-08
4618	480363.09	3859877.25	6.44E-05	7.89E-05	6.92E-05	2.23E-08	6.74E-08	3.90E-08	4.78E-08	4.33E-08	1.98E-08	1.73E-08	7.46E-10	1.80E-08	3.98E-09	6.49E-09	1.03E-08	1.82E-09	1.14E-09	4.25E-08
4619	480863.09	3859877.25	6.99E-05	8.57E-05	7.51E-05	2.42E-08	7.32E-08	4.24E-08	5.19E-08	4.70E-08	2.15E-08	1.88E-08	8.09E-10	1.95E-08	4.31E-09	7.04E-09	1.12E-08	1.97E-09	1.24E-09	4.61E-08
4620	481363.09	3859877.25	7.60E-05	9.30E-05	8.15E-05	2.63E-08	7.95E-08	4.60E-08	5.64E-08	5.11E-08	2.33E-08	2.04E-08	8.79E-10	2.12E-08	4.68E-09	7.65E-09	1.21E-08	2.14E-09	1.35E-09	5.01E-08
4621	481863.09	3859877.25	8.21E-05	1.01E-04	8.81E-05	2.84E-08	8.59E-08	4.97E-08	6.09E-08	5.52E-08	2.52E-08	2.21E-08	9.50E-10	2.29E-08	5.06E-09	8.27E-09	1.31E-08	2.31E-09	1.46E-09	5.41E-08
4622	482363.09	3859877.25	8.81E-05	1.08E-04	9.46E-05	3.05E-08	9.22E-08	5.34E-08	6.54E-08	5.93E-08	2.71E-08	2.37E-08	1.02E-09	2.46E-08	5.44E-09	8.88E-09	1.41E-08	2.48E-09	1.56E-09	5.81E-08
4623	482863.09	3859877.25	9.49E-05	1.16E-04	1.02E-04	3.29E-08	9.93E-08	5.75E-08	7.04E-08	6.38E-08	2.91E-08	2.55E-08	1.10E-09	2.65E-08	5.85E-09	9.56E-09	1.52E-08	2.67E-09	1.68E-09	6.25E-08
4624	483363.09	3859877.25	1.02E-04	1.24E-04	1.09E-04	3.52E-08	1.06E-07	6.15E-08	7.53E-08	6.83E-08	3.12E-08	2.73E-08	1.17E-09	2.84E-08	6.26E-09	1.02E-08	1.62E-08	2.86E-09	1.80E-09	6.69E-08
4625	483863.09	3859877.25	1.03E-04	1.26E-04	1.11E-04	3.56E-08	1.08E-07	6.23E-08	7.63E-08	6.92E-08	3.16E-08	2.77E-08	1.19E-09	2.88E-08	6.35E-09	1.04E-08	1.64E-08	2.90E-09	1.83E-09	6.78E-08
4626	484363.09	3859877.25	1.08E-04	1.32E-04	1.16E-04	3.74E-08	1.13E-07	6.53E-08	8.00E-08	7.25E-08	3.31E-08	2.90E-08	1.25E-09	3.02E-08	6.65E-09	1.09E-08	1.72E-08	3.04E-09	1.92E-09	7.11E-08
4627	484863.09	3859877.25	1.14E-04	1.40E-04	1.23E-04	3.97E-08	1.20E-07	6.93E-08	8.49E-08	7.69E-08	3.51E-08	3.08E-08	1.32E-09	3.20E-08	7.06E-09	1.15E-08	1.83E-08	3.22E-09	2.03E-09	7.54E-08
4628	485363.09	3859877.25	1.21E-04	1.48E-04	1.30E-04	4.19E-08	1.27E-07	7.32E-08	8.97E-08	8.13E-08	3.71E-08	3.25E-08	1.40E-09	3.38E-08	7.46E-09	1.22E-08	1.93E-08	3.41E-09	2.15E-09	7.97E-08
4629	485863.09	3859877.25	1.27E-04	1.55E-04	1.36E-04	4.39E-08	1.33E-07	7.68E-08	9.40E-08	8.52E-08	3.89E-08	3.41E-08	1.47E-09	3.54E-08	7.82E-09	1.28E-08	2.03E-08	3.57E-09	2.25E-09	8.35E-08

4630	486363.09	3859877.25	1.31E-04	1.61E-04	1.41E-04	4.55E-08	1.37E-07	7.95E-08	9.73E-08	8.82E-08	4.03E-08	3.53E-08	1.52E-09	3.67E-08	8.09E-09	1.32E-08	2.10E-08	3.70E-09	2.33E-09	8.65E-08
4631	486863.09	3859877.25	1.36E-04	1.66E-04	1.46E-04	4.71E-08	1.42E-07	8.23E-08	1.01E-07	9.14E-08	4.17E-08	3.66E-08	1.57E-09	3.80E-08	8.38E-09	1.37E-08	2.17E-08	3.83E-09	2.41E-09	8.96E-08
4632	487363.09	3859877.25	1.38E-04	1.69E-04	1.48E-04	4.78E-08	1.44E-07	8.36E-08	1.02E-07	9.28E-08	4.23E-08	3.72E-08	1.60E-09	3.86E-08	8.51E-09	1.39E-08	2.20E-08	3.89E-09	2.45E-09	9.10E-08
4633	487863.09	3859877.25	1.47E-04	1.80E-04	1.58E-04	5.08E-08	1.53E-07	8.88E-08	1.09E-07	9.86E-08	4.50E-08	3.95E-08	1.70E-09	4.10E-08	9.05E-09	1.48E-08	2.34E-08	4.13E-09	2.60E-09	9.67E-08
4634	488363.09	3859877.25	1.48E-04	1.81E-04	1.59E-04	5.13E-08	1.55E-07	8.96E-08	1.10E-07	9.95E-08	4.54E-08	3.98E-08	1.71E-09	4.13E-08	9.12E-09	1.49E-08	2.36E-08	4.17E-09	2.63E-09	9.75E-08
4635	488863.09	3859877.25	1.52E-04	1.86E-04	1.63E-04	5.27E-08	1.59E-07	9.21E-08	1.13E-07	1.02E-07	4.67E-08	4.09E-08	1.76E-09	4.25E-08	9.38E-09	1.53E-08	2.43E-08	4.28E-09	2.70E-09	1.00E-07
4636	489363.09	3859877.25	1.57E-04	1.92E-04	1.68E-04	5.43E-08	1.64E-07	9.49E-08	1.16E-07	1.05E-07	4.81E-08	4.22E-08	1.81E-09	4.38E-08	9.66E-09	1.58E-08	2.50E-08	4.41E-09	2.78E-09	1.03E-07
4637	489863.09	3859877.25	1.57E-04	1.93E-04	1.69E-04	5.45E-08	1.65E-07	9.53E-08	1.17E-07	1.06E-07	4.83E-08	4.23E-08	1.82E-09	4.40E-08	9.70E-09	1.58E-08	2.51E-08	4.43E-09	2.79E-09	1.04E-07
4638	490363.09	3859877.25	1.48E-04	1.81E-04	1.59E-04	5.13E-08	1.55E-07	8.96E-08	1.10E-07	9.95E-08	4.54E-08	3.98E-08	1.71E-09	4.13E-08	9.12E-09	1.49E-08	2.36E-08	4.17E-09	2.63E-09	9.75E-08
4639	490863.09	3859877.25	1.49E-04	1.82E-04	1.60E-04	5.16E-08	1.56E-07	9.02E-08	1.10E-07	1.00E-07	4.57E-08	4.01E-08	1.72E-09	4.16E-08	9.19E-09	1.50E-08	2.38E-08	4.19E-09	2.64E-09	9.82E-08
4640	491363.09	3859877.25	1.48E-04	1.82E-04	1.59E-04	5.15E-08	1.55E-07	8.99E-08	1.10E-07	9.99E-08	4.56E-08	4.00E-08	1.72E-09	4.15E-08	9.16E-09	1.50E-08	2.37E-08	4.18E-09	2.64E-09	9.79E-08
4641	491863.09	3859877.25	1.48E-04	1.82E-04	1.59E-04	5.14E-08	1.55E-07	8.99E-08	1.10E-07	9.98E-08	4.56E-08	3.99E-08	1.72E-09	4.15E-08	9.16E-09	1.50E-08	2.37E-08	4.18E-09	2.63E-09	9.79E-08
4642	492363.09	3859877.25	1.47E-04	1.80E-04	1.58E-04	5.09E-08	1.54E-07	8.90E-08	1.09E-07	9.89E-08	4.51E-08	3.95E-08	1.70E-09	4.11E-08	9.07E-09	1.48E-08	2.35E-08	4.14E-09	2.61E-09	9.69E-08
4643	492863.09	3859877.25	1.44E-04	1.76E-04	1.54E-04	4.98E-08	1.50E-07	8.71E-08	1.07E-07	9.67E-08	4.41E-08	3.87E-08	1.66E-09	4.02E-08	8.87E-09	1.45E-08	2.30E-08	4.05E-09	2.55E-09	9.48E-08
4644	493363.09	3859877.25	1.39E-04	1.70E-04	1.49E-04	4.82E-08	1.45E-07	8.42E-08	1.03E-07	9.35E-08	4.27E-08	3.74E-08	1.61E-09	3.89E-08	8.58E-09	1.40E-08	2.22E-08	3.92E-09	2.47E-09	9.17E-08
4645	493863.09	3859877.25	1.33E-04	1.63E-04	1.43E-04	4.62E-08	1.40E-07	8.08E-08	9.90E-08	8.97E-08	4.09E-08	3.59E-08	1.54E-09	3.73E-08	8.23E-09	1.34E-08	2.13E-08	3.76E-09	2.37E-09	8.79E-08
4646	494363.09	3859877.25	1.27E-04	1.56E-04	1.36E-04	4.40E-08	1.33E-07	7.70E-08	9.43E-08	8.54E-08	3.90E-08	3.42E-08	1.47E-09	3.55E-08	7.84E-09	1.28E-08	2.03E-08	3.58E-09	2.25E-09	8.37E-08
4647	494863.09	3859877.25	1.22E-04	1.49E-04	1.31E-04	4.22E-08	1.27E-07	7.37E-08	9.02E-08	8.18E-08	3.73E-08	3.27E-08	1.41E-09	3.40E-08	7.50E-09	1.23E-08	1.94E-08	3.43E-09	2.16E-09	8.02E-08
4648	495363.09	3859877.25	1.16E-04	1.42E-04	1.24E-04	4.02E-08	1.21E-07	7.02E-08	8.60E-08	7.80E-08	3.56E-08	3.12E-08	1.34E-09	3.24E-08	7.15E-09	1.17E-08	1.85E-08	3.27E-09	2.06E-09	7.64E-08
4649	495863.09	3859877.25	1.10E-04	1.35E-04	1.18E-04	3.82E-08	1.15E-07	6.68E-08	8.18E-08	7.41E-08	3.38E-08	2.96E-08	1.28E-09	3.08E-08	6.80E-09	1.11E-08	1.76E-08	3.10E-09	1.95E-09	7.26E-08
4650	496363.09	3859877.25	1.02E-04	1.25E-04	1.10E-04	3.54E-08	1.07E-07	6.19E-08	7.58E-08	6.87E-08	3.14E-08	2.75E-08	1.18E-09	2.86E-08	6.30E-09	1.03E-08	1.63E-08	2.88E-09	1.81E-09	6.74E-08
4651	496863.09	3859877.25	8.24E-05	1.01E-04	8.85E-05	2.86E-08	8.62E-08	4.99E-08	6.11E-08	5.54E-08	2.53E-08	2.22E-08	9.54E-10	2.30E-08	5.08E-09	8.30E-09	1.32E-08	2.32E-09	1.46E-09	5.43E-08
4652	497363.09	3859877.25	9.27E-05	1.14E-04	9.95E-05	3.21E-08	9.70E-08	5.62E-08	6.88E-08	6.24E-08	2.85E-08	2.49E-08	1.07E-09	2.59E-08	5.72E-09	9.34E-09	1.48E-08	2.61E-09	1.65E-09	6.11E-08
4653	497863.09	3859877.25	9.58E-05	1.17E-04	1.03E-04	3.32E-08	1.00E-07	5.80E-08	7.11E-08	6.44E-08	2.94E-08	2.58E-08	1.11E-09	2.68E-08	5.91E-09	9.65E-09	1.53E-08	2.70E-09	1.70E-09	6.32E-08
4654	498363.09	3859877.25	9.25E-05	1.13E-04	9.92E-05	3.20E-08	9.67E-08	5.60E-08	6.86E-08	6.22E-08	2.84E-08	2.49E-08	1.07E-09	2.58E-08	5.70E-09	9.31E-09	1.48E-08	2.60E-09	1.64E-09	6.10E-08
4655	471363.09	3860377.25	1.99E-05	2.43E-05	2.13E-05	6.89E-09	2.08E-08	1.20E-08	1.47E-08	1.34E-08	6.10E-09	5.35E-09	2.30E-10	5.55E-09	1.23E-09	2.00E-09	3.18E-09	5.60E-10	3.53E-10	1.31E-08
4656	471863.09	3860377.25	2.10E-05	2.57E-05	2.25E-05	7.27E-09	2.19E-08	1.27E-08	1.56E-08	1.41E-08	6.43E-09	5.64E-09	2.43E-10	5.86E-09	1.29E-09	2.11E-09	3.35E-09	5.91E-10	3.72E-10	1.38E-08
4657	472363.09	3860377.25	2.23E-05	2.73E-05	2.39E-05	7.71E-09	2.33E-08	1.35E-08	1.65E-08	1.50E-08	6.83E-09	5.99E-09	2.58E-10	6.22E-09	1.37E-09	2.24E-09	3.56E-09	6.27E-10	3.95E-10	1.47E-08
4658	472863.09	3860377.25	2.37E-05	2.91E-05	2.55E-05	8.23E-09	2.48E-08	1.44E-08	1.76E-08	1.60E-08	7.29E-09	6.39E-09	2.75E-10	6.64E-09	1.46E-09	2.39E-09	3.79E-09	6.69E-10	4.21E-10	1.57E-08
4659	473363.09	3860377.25	2.52E-05	3.09E-05	2.71E-05	8.75E-09	2.64E-08	1.53E-08	1.87E-08	1.70E-08	7.75E-09	6.79E-09	2.92E-10	7.06E-09	1.56E-09	2.54E-09	4.03E-09	7.11E-10	4.48E-10	1.66E-08
4660	473863.09	3860377.25	2.67E-05	3.27E-05	2.87E-05	9.25E-09	2.79E-08	1.62E-08	1.98E-08	1.80E-08	8.19E-09	7.18E-09	3.09E-10	7.46E-09	1.65E-09	2.69E-09	4.27E-09	7.52E-10	4.74E-10	1.76E-08
4661	474363.09	3860377.25	2.78E-05	3.40E-05	2.98E-05	9.63E-09	2.91E-08	1.68E-08	2.06E-08	1.87E-08	8.53E-09	7.48E-09	3.21E-10	7.77E-09	1.71E-09	2.80E-09	4.44E-09	7.82E-10	4.93E-10	1.83E-08
4662	474863.09	3860377.25	2.82E-05	3.45E-05	3.03E-05	9.76E-09	2.95E-08	1.71E-08	2.09E-08	1.90E-08	8.65E-09	7.58E-09	3.26E-10	7.88E-09	1.74E-09	2.84E-09	4.50E-09	7.94E-10	5.00E-10	1.86E-08
4663	475363.09	3860377.25	2.65E-05	3.25E-05	2.85E-05	9.20E-09	2.78E-08	1.61E-08	1.97E-08	1.79E-08	8.15E-09	7.15E-09	3.07E-10	7.42E-09	1.64E-09	2.67E-09	4.24E-09	7.48E-10	4.71E-10	1.75E-08
4664	475863.09	3860377.25	2.33E-05	2.85E-05	2.50E-05	8.08E-09	2.44E-08	1.41E-08	1.73E-08	1.57E-08	7.15E-09	6.27E-09	2.70E-10	6.51E-09	1.44E-09	2.35E-09	3.72E-09	6.56E-10	4.14E-10	1.54E-08
4665	476363.09	3860377.25	1.87E-05	2.30E-05	2.01E-05	6.50E-09	1.96E-08	1.14E-08	1.39E-08	1.26E-08	5.75E-09	5.05E-09	2.17E-10	5.24E-09	1.16E-09	1.89E-09	3.00E-09	5.28E-10	3.33E-10	1.24E-08
4666	476863.09	3860377.25	1.71E-05	2.09E-05	1.83E-05	5.91E-09	1.78E-08	1.03E-08	1.27E-08	1.15E-08	5.24E-09	4.59E-09	1.97E-10	4.77E-09	1.05E-09	1.72E-09	2.73E-09	4.80E-10	3.03E-10	1.12E-08
4667	477363.09	3860377.25	9.92E-06	1.22E-05	1.07E-05	3.44E-09	1.04E-08	6.01E-09	7.36E-09	6.67E-09	3.04E-09	2.67E-09	1.15E-10	2.77E-09	6.12E-10	9.99E-10	1.59E-09	2.79E-10	1.76E-10	6.54E-09
4668	477863.09	3860377.25	1.30E-05	1.59E-05	1.40E-05	4.50E-09	1.36E-08	7.87E-09	9.65E-09	8.74E-09	3.99E-09	3.50E-09	1.50E-10	3.63E-09	8.02E-10	1.31E-09	2.08E-09	3.66E-10	2.31E-10	8.57E-09
4669	478363.09	3860377.25	2.54E-05	3.11E-05	2.73E-05	8.80E-09	2.66E-08	1.54E-08	1.88E-08	1.71E-08	7.79E-09	6.83E-09	2.94E-10	7.10E-09	1.57E-09	2.56E-09	4.06E-09	7.15E-10	4.51E-10	1.67E-08
4670	478863.09	3860377.25	3.64E-05	4.46E-05	3.91E-05	1.26E-08	3.81E-08	2.21E-08	2.70E-08	2.45E-08	1.12E-08	9.80E-09	4.22E-10	1.02E-08	2.25E-09	3.67E-09	5.82E-09	1.03E-09	6.47E-10	2.40E-08
4671	479363.09	3860377.25	4.67E-05	5.72E-05	5.02E-05	1.62E-08	4.89E-08	2.83E-08	3.47E-08	3.14E-08	1.43E-08	1.26E-08	5.41E-10	1.31E-08	2.88E-09	4.71E-09	7.47E-09	1.32E-09	8.30E-10	3.08E-08
4672	479863.09	3860377.25	5.39E-05	6.60E-05	5.79E-05	1.87E-08	5.64E-08	3.26E-08	4.00E-08	3.62E-08	1.65E-08	1.45E-08	6.24E-10	1.51E-08	3.32E-09	5.43E-09	8.61E-09	1.52E-09	9.56E-10	3.55E-08
4673	480363.09	3860377.25	5.87E-05	7.18E-05	6.30E-05	2.03E-08	6.14E-08	3.55E-08	4.35E-08	3.94E-08	1.80E-08	1.58E-08	6.79E-10	1.64E-08	3.62E-09	5.91E-09	9.37E-09	1.65E-09	1.04E-09	3.87E-08
4674	480863.09	3860377.25	6.31E-05	7.72E-05	6.77E-05	2.19E-08	6.60E-08	3.82E-08	4.68E-08	4.24E-08	1.94E-08	1.70E-08	7.30E-10	1.76E-08	3.89E-09	6.35E-09	1.01E-08	1.78E-09	1.12E-09	4.16E-08
4675	481363.09	3860377.25	6.78E-05	8.30E-05	7.27E-05	2.35E-08	7.09E-08	4.10E-08	5.03E-08	4.56E-08	2.08E-08	1.82E-08	7.84E-10	1.89E-08	4.18E-09	6.83E-09	1.08E-08	1.91E-09	1.20E-09	4.47E-08
4676	481863.09	3860377.25	7.23E-05	8.85E-05	7.76E-05	2.50E-08	7.56E-08	4.38E-08	5.36E-08	4.86E-08	2.22E-08	1.94E-08	8.36E-10	2.02E-08	4.46E-09	7.28E-09	1.15E-08	2.04E-09	1.28E-09	4.76E-08
4677	482363.09	3860377.25	7.69E-05	9.42E-05	8.26E-05	2.67E-08	8.05E-08	4.66E-08	5.71E-08	5.17E-08	2.36E-08	2.07E-08	8.90E-10	2.15E-08	4.74E-09	7.75E-09	1.23E-08	2.17E-09	1.37E-09	5.07E-08
4678	482863.09	3860377.25	8.22E-05	1.01E-04	8.83E-05	2.85E-08	8.60E-08	4.98E-08	6.10E-08	5.53E-08	2.52E-08	2.21E-08	9.51E-10	2.30E-08	5.07E-09	8.28E-09	1.31E-08	2.31E-09	1.46E-09	5.42E-08
4679	483363.09	3860377.25	8.66E-05	1.06E-04	9.30E-05	3.00E-08	9.06E-08	5.24E-08	6.42E-08	5.82E-08	2.66E-08	2.33E-08	1.00E-09	2.42E-08	5.34E-09	8.72E-09	1.38E-08	2.44E-09	1.54E-09	5.71E-08
4680	483863.09	3860377.25	9.16E-05	1.12E-04	9.84E-05	3.17E-08	9.59E-08	5.55E-08	6.80E-08	6.16E-08	2.81E-08	2.47E-08	1.06E-09	2.56E-08	5.65E-09	9.23E-09	1.46E-08	2.58E-09	1.63E-09	6.04E-08
4681	484363.09	3860377.25	9.20E-05	1.13E-04	9.89E-05	3.19E-08	9.63E-08	5.57E-08	6.83E-08	6.19E-08	2.82E-08	2.48E-08	1.06E-09	2.57E-08	5.68E-09	9.27E-09	1.47E-08	2.59E-09	1.63E-09	6.07E-08
4682	484863.09	3860377.25	9.57E-05	1.17E-04	1.03E-04	3.32E-08	1.00E-07	5.80E-08	7.10E-08	6.44E-08	2.94E-08	2.58E-08	1.11E-09	2.67E-08	5.90E-09	9.64E-09	1.53E-08	2.69E-09	1.70E-09	6.31E-08
4683	485363.09	3860377.25	9.89E-05	1.21E-04	1.06E-04	3.43E-08	1.04E-07	5.99E-08	7.34E-08	6.65E-08	3.04E-08	2.66E-08	1.14E-09	2.77E-08	6.10E-09	9.96E-09	1.58E-08	2.79E-09	1.76E-09	6.52E-08
4684	485863.09	3860377.25	1.02E-04	1.25E-04	1.10E-04	3.54E-08	1.07E-07	6.18E-08	7.57E-08	6.86E-08	3.13E-08	2.75E-08	1.18E-09	2.85E-08	6.29E-09	1.03E-08	1.63E-08	2.87E-09	1.81E-09	6.73E-08
4685	486363.09	3860377.25	1.03E-04	1.27E-04	1.11E-04	3.58E-08	1.08E-07	6.26E-08	7.67E-08	6.95E-08	3.17E-08	2.78E-08	1.20E-09	2.89E-08	6.38E-09	1.04E-08	1.65E-08	2.91E-09	1.84E-09	6.82E-08
4686	486863.09	3860377.25	1.05E-04	1.28E-04	1.12E-04	3.63E-08	1.10E-07	6.34E-08	7.76E-08	7.04E-08	3.21E-08	2.82E-08	1.21E-09	2.93E-08	6.45E-09	1.05E-08	1.67E-08	2.95E-09	1.86E-09	6.90E-08
4687	487363.09	3860377.25	1.05E-04	1.29E-04	1.13E-04	3.65E-08	1.10E-07	6.39E-08	7.82E-08	7.09E-08	3.24E-08	2.84E-08	1.22E-09	2.95E-08	6.50E-09	1.06E-08	1.69E-08	2.97E-09	1.87E-09	6.95E-08
4688	487863.09	3860377.25	1.08E-04	1.33E-04	1.17E-04	3.76E-08	1.13E-07	6.57E-08	8.05E-08	7.29E-08	3.33E-08	2.92E-08	1.26E-09	3.03E-08	6.69E-09	1.09E-08	1.73E-08	3.05E-09	1.93E-09	7.15E-08
4689	488363.09	3860377.25	1.09E-04	1.34E-04	1.17E-04	3.78E-08	1.14E-07	6.61E-08	8.10E-08	7.34E-08	3.35E-08	2.94E-08	1.26E-09	3.05E-08	6.74E-09	1.10E-08	1.75E-08	3.08E-09	1.94E-09	7.20E-08
4690	488863.09	3860377.25	1.10E-04	1.35E-04	1.19E-04	3.82E-08	1.15E-07	6.68E-08	8.19E-08	7.42E-08	3.39E-08	2.97E-08	1.28E-09	3.08E-08	6.81E-09	1.11E-08	1.76E-08	3.11E-09	1.96E-09	7.28E-08

4691	489363.09	3860377.25	1.13E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.82E-08	8.36E-08	7.58E-08	3.46E-08	3.03E-08	1.30E-09	3.15E-08	6.95E-09	1.13E-08	1.80E-08	3.17E-09	2.00E-09	7.43E-08
4692	489863.09	3860377.25	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.01E-08	8.59E-08	7.78E-08	3.55E-08	3.11E-08	1.34E-09	3.23E-08	7.14E-09	1.17E-08	1.85E-08	3.26E-09	2.05E-09	7.63E-08
4693	490363.09	3860377.25	1.15E-04	1.41E-04	1.24E-04	4.00E-08	1.21E-07	6.99E-08	8.56E-08	7.76E-08	3.54E-08	3.10E-08	1.34E-09	3.22E-08	7.12E-09	1.16E-08	1.84E-08	3.25E-09	2.05E-09	7.61E-08
4694	490863.09	3860377.25	1.09E-04	1.34E-04	1.17E-04	3.78E-08	1.14E-07	6.62E-08	8.10E-08	7.34E-08	3.35E-08	2.94E-08	1.26E-09	3.05E-08	6.74E-09	1.10E-08	1.75E-08	3.08E-09	1.94E-09	7.20E-08
4695	491363.09	3860377.25	1.05E-04	1.28E-04	1.12E-04	3.63E-08	1.10E-07	6.34E-08	7.77E-08	7.04E-08	3.21E-08	2.82E-08	1.21E-09	2.93E-08	6.46E-09	1.05E-08	1.67E-08	2.95E-09	1.86E-09	6.90E-08
4696	491863.09	3860377.25	1.06E-04	1.29E-04	1.13E-04	3.66E-08	1.10E-07	6.39E-08	7.83E-08	7.10E-08	3.24E-08	2.84E-08	1.22E-09	2.95E-08	6.51E-09	1.06E-08	1.69E-08	2.97E-09	1.87E-09	6.96E-08
4697	492363.09	3860377.25	1.09E-04	1.33E-04	1.17E-04	3.78E-08	1.14E-07	6.60E-08	8.08E-08	7.33E-08	3.34E-08	2.93E-08	1.26E-09	3.05E-08	6.72E-09	1.10E-08	1.74E-08	3.07E-09	1.93E-09	7.18E-08
4698	492863.09	3860377.25	1.10E-04	1.34E-04	1.18E-04	3.80E-08	1.15E-07	6.64E-08	8.13E-08	7.37E-08	3.36E-08	2.95E-08	1.27E-09	3.06E-08	6.76E-09	1.10E-08	1.75E-08	3.08E-09	1.94E-09	7.22E-08
4699	493363.09	3860377.25	1.11E-04	1.36E-04	1.19E-04	3.84E-08	1.16E-07	6.72E-08	8.23E-08	7.46E-08	3.40E-08	2.98E-08	1.28E-09	3.10E-08	6.84E-09	1.12E-08	1.77E-08	3.12E-09	1.97E-09	7.31E-08
4700	493863.09	3860377.25	1.09E-04	1.33E-04	1.17E-04	3.77E-08	1.14E-07	6.58E-08	8.06E-08	7.31E-08	3.33E-08	2.92E-08	1.26E-09	3.04E-08	6.70E-09	1.09E-08	1.74E-08	3.06E-09	1.93E-09	7.16E-08
4701	494363.09	3860377.25	1.07E-04	1.31E-04	1.15E-04	3.70E-08	1.12E-07	6.47E-08	7.92E-08	7.18E-08	3.28E-08	2.87E-08	1.24E-09	2.98E-08	6.58E-09	1.08E-08	1.71E-08	3.01E-09	1.89E-09	7.04E-08
4702	494863.09	3860377.25	1.03E-04	1.26E-04	1.11E-04	3.57E-08	1.08E-07	6.24E-08	7.64E-08	6.93E-08	3.16E-08	2.77E-08	1.19E-09	2.88E-08	6.35E-09	1.04E-08	1.65E-08	2.90E-09	1.83E-09	6.79E-08
4703	495363.09	3860377.25	9.99E-05	1.22E-04	1.07E-04	3.46E-08	1.05E-07	6.05E-08	7.41E-08	6.72E-08	3.06E-08	2.69E-08	1.16E-09	2.79E-08	6.16E-09	1.01E-08	1.60E-08	2.81E-09	1.77E-09	6.58E-08
4704	495863.09	3860377.25	9.64E-05	1.18E-04	1.03E-04	3.34E-08	1.01E-07	5.84E-08	7.15E-08	6.48E-08	2.96E-08	2.59E-08	1.12E-09	2.70E-08	5.95E-09	9.71E-09	1.54E-08	2.72E-09	1.71E-09	6.36E-08
4705	496363.09	3860377.25	9.18E-05	1.12E-04	9.85E-05	3.18E-08	9.60E-08	5.56E-08	6.81E-08	6.17E-08	2.82E-08	2.47E-08	1.06E-09	2.57E-08	5.66E-09	9.25E-09	1.47E-08	2.59E-09	1.63E-09	6.05E-08
4706	496863.09	3860377.25	8.65E-05	1.06E-04	9.29E-05	3.00E-08	9.05E-08	5.24E-08	6.42E-08	5.82E-08	2.65E-08	2.33E-08	1.00E-09	2.42E-08	5.34E-09	8.71E-09	1.38E-08	2.44E-09	1.53E-09	5.70E-08
4707	497363.09	3860377.25	7.95E-05	9.74E-05	8.53E-05	2.76E-08	8.32E-08	4.82E-08	5.90E-08	5.35E-08	2.44E-08	2.14E-08	9.20E-10	2.22E-08	4.90E-09	8.01E-09	1.27E-08	2.24E-09	1.41E-09	5.24E-08
4708	497863.09	3860377.25	8.33E-05	1.02E-04	8.94E-05	2.89E-08	8.72E-08	5.05E-08	6.18E-08	5.60E-08	2.56E-08	2.24E-08	9.64E-10	2.33E-08	5.14E-09	8.39E-09	1.33E-08	2.35E-09	1.48E-09	5.49E-08
4709	498363.09	3860377.25	8.17E-05	1.00E-04	8.77E-05	2.83E-08	8.55E-08	4.95E-08	6.06E-08	5.50E-08	2.51E-08	2.20E-08	9.46E-10	2.28E-08	5.04E-09	8.23E-09	1.31E-08	2.30E-09	1.45E-09	5.39E-08
4710	471363.09	3860877.25	1.99E-05	2.44E-05	2.14E-05	6.91E-09	2.09E-08	1.21E-08	1.48E-08	1.34E-08	6.12E-09	5.37E-09	2.31E-10	5.57E-09	1.23E-09	2.01E-09	3.19E-09	5.61E-10	3.54E-10	1.31E-08
4711	471863.09	3860877.25	2.11E-05	2.58E-05	2.26E-05	7.31E-09	2.21E-08	1.28E-08	1.56E-08	1.42E-08	6.47E-09	5.67E-09	2.44E-10	5.89E-09	1.30E-09	2.12E-09	3.37E-09	5.94E-10	3.74E-10	1.39E-08
4712	472363.09	3860877.25	2.23E-05	2.73E-05	2.39E-05	7.72E-09	2.33E-08	1.35E-08	1.65E-08	1.50E-08	6.83E-09	5.99E-09	2.58E-10	6.23E-09	1.37E-09	2.24E-09	3.56E-09	6.27E-10	3.95E-10	1.47E-08
4713	472863.09	3860877.25	2.35E-05	2.88E-05	2.53E-05	8.16E-09	2.46E-08	1.43E-08	1.75E-08	1.58E-08	7.23E-09	6.34E-09	2.73E-10	6.58E-09	1.45E-09	2.37E-09	3.76E-09	6.63E-10	4.18E-10	1.55E-08
4714	473363.09	3860877.25	2.48E-05	3.03E-05	2.66E-05	8.58E-09	2.59E-08	1.50E-08	1.84E-08	1.67E-08	7.60E-09	6.67E-09	2.87E-10	6.92E-09	1.53E-09	2.50E-09	3.96E-09	6.98E-10	4.40E-10	1.63E-08
4715	473863.09	3860877.25	2.59E-05	3.17E-05	2.78E-05	8.98E-09	2.71E-08	1.57E-08	1.92E-08	1.74E-08	7.95E-09	6.97E-09	3.00E-10	7.24E-09	1.60E-09	2.61E-09	4.14E-09	7.30E-10	4.60E-10	1.71E-08
4716	474363.09	3860877.25	2.71E-05	3.31E-05	2.91E-05	9.38E-09	2.83E-08	1.64E-08	2.01E-08	1.82E-08	8.30E-09	7.28E-09	3.13E-10	7.56E-09	1.67E-09	2.73E-09	4.32E-09	7.62E-10	4.80E-10	1.78E-08
4717	474863.09	3860877.25	2.83E-05	3.47E-05	3.04E-05	9.82E-09	2.96E-08	1.72E-08	2.10E-08	1.90E-08	8.69E-09	7.63E-09	3.28E-10	7.92E-09	1.75E-09	2.85E-09	4.53E-09	7.98E-10	5.03E-10	1.87E-08
4718	475363.09	3860877.25	2.91E-05	3.57E-05	3.13E-05	1.01E-08	3.05E-08	1.77E-08	2.16E-08	1.96E-08	8.95E-09	7.85E-09	3.37E-10	8.15E-09	1.80E-09	2.94E-09	4.66E-09	8.21E-10	5.18E-10	1.92E-08
4719	475863.09	3860877.25	2.93E-05	3.58E-05	3.14E-05	1.01E-08	3.06E-08	1.77E-08	2.17E-08	1.97E-08	8.98E-09	7.88E-09	3.39E-10	8.18E-09	1.80E-09	2.95E-09	4.68E-09	8.24E-10	5.19E-10	1.93E-08
4720	476363.09	3860877.25	2.81E-05	3.44E-05	3.01E-05	9.72E-09	2.94E-08	1.70E-08	2.08E-08	1.89E-08	8.61E-09	7.55E-09	3.25E-10	7.84E-09	1.73E-09	2.83E-09	4.48E-09	7.90E-10	4.98E-10	1.85E-08
4721	476863.09	3860877.25	2.78E-05	3.41E-05	2.99E-05	9.64E-09	2.91E-08	1.68E-08	2.06E-08	1.87E-08	8.54E-09	7.48E-09	3.22E-10	7.77E-09	1.72E-09	2.80E-09	4.44E-09	7.83E-10	4.94E-10	1.83E-08
4722	477363.09	3860877.25	2.90E-05	3.55E-05	3.11E-05	1.00E-08	3.03E-08	1.76E-08	2.15E-08	1.95E-08	8.90E-09	7.80E-09	3.36E-10	8.11E-09	1.79E-09	2.92E-09	4.63E-09	8.17E-10	5.15E-10	1.91E-08
4723	477863.09	3860877.25	2.61E-05	3.19E-05	2.80E-05	9.03E-09	2.73E-08	1.58E-08	1.93E-08	1.75E-08	8.00E-09	7.01E-09	3.02E-10	7.28E-09	1.61E-09	2.63E-09	4.16E-09	7.34E-10	4.63E-10	1.72E-08
4724	478363.09	3860877.25	1.58E-05	1.93E-05	1.70E-05	5.47E-09	1.65E-08	9.56E-09	1.17E-08	1.06E-08	4.84E-09	4.25E-09	1.83E-10	4.41E-09	9.73E-10	1.59E-09	2.52E-09	4.44E-10	2.80E-10	1.04E-08
4725	478863.09	3860877.25	3.36E-05	4.12E-05	3.61E-05	1.17E-08	3.52E-08	2.04E-08	2.49E-08	2.26E-08	1.03E-08	9.05E-09	3.89E-10	9.40E-09	2.07E-09	3.39E-09	5.37E-09	9.47E-10	5.97E-10	2.22E-08
4726	479363.09	3860877.25	4.37E-05	5.35E-05	4.69E-05	1.51E-08	4.57E-08	2.65E-08	3.24E-08	2.94E-08	1.34E-08	1.18E-08	5.06E-10	1.22E-08	2.70E-09	4.40E-09	6.99E-09	1.23E-09	7.76E-10	2.88E-08
4727	479863.09	3860877.25	4.95E-05	6.06E-05	5.31E-05	1.71E-08	5.18E-08	3.00E-08	3.67E-08	3.33E-08	1.52E-08	1.33E-08	5.73E-10	1.38E-08	3.05E-09	4.98E-09	7.91E-09	1.39E-09	8.78E-10	3.26E-08
4728	480363.09	3860877.25	5.33E-05	6.53E-05	5.72E-05	1.85E-08	5.58E-08	3.23E-08	3.96E-08	3.59E-08	1.64E-08	1.43E-08	6.17E-10	1.49E-08	3.29E-09	5.37E-09	8.52E-09	1.50E-09	9.46E-10	3.51E-08
4729	480863.09	3860877.25	5.70E-05	6.98E-05	6.12E-05	1.98E-08	5.96E-08	3.45E-08	4.23E-08	3.83E-08	1.75E-08	1.53E-08	6.60E-10	1.59E-08	3.52E-09	5.74E-09	9.11E-09	1.61E-09	1.01E-09	3.76E-08
4730	481363.09	3860877.25	6.05E-05	7.42E-05	6.50E-05	2.10E-08	6.34E-08	3.67E-08	4.49E-08	4.07E-08	1.86E-08	1.63E-08	7.01E-10	1.69E-08	3.73E-09	6.10E-09	9.67E-09	1.71E-09	1.07E-09	3.99E-08
4731	481863.09	3860877.25	6.40E-05	7.84E-05	6.87E-05	2.22E-08	6.69E-08	3.88E-08	4.75E-08	4.30E-08	1.96E-08	1.72E-08	7.40E-10	1.79E-08	3.95E-09	6.44E-09	1.02E-08	1.80E-09	1.14E-09	4.22E-08
4732	482363.09	3860877.25	6.75E-05	8.26E-05	7.25E-05	2.34E-08	7.06E-08	4.09E-08	5.01E-08	4.54E-08	2.07E-08	1.82E-08	7.81E-10	1.89E-08	4.16E-09	6.80E-09	1.08E-08	1.90E-09	1.20E-09	4.45E-08
4733	482863.09	3860877.25	7.16E-05	8.77E-05	7.70E-05	2.48E-08	7.50E-08	4.34E-08	5.31E-08	4.82E-08	2.20E-08	1.93E-08	8.29E-10	2.00E-08	4.42E-09	7.22E-09	1.14E-08	2.02E-09	1.27E-09	4.72E-08
4734	483363.09	3860877.25	7.54E-05	9.24E-05	8.11E-05	2.61E-08	7.89E-08	4.57E-08	5.60E-08	5.07E-08	2.32E-08	2.03E-08	8.73E-10	2.11E-08	4.65E-09	7.60E-09	1.21E-08	2.12E-09	1.34E-09	4.97E-08
4735	483863.09	3860877.25	7.89E-05	9.66E-05	8.48E-05	2.73E-08	8.26E-08	4.78E-08	5.85E-08	5.31E-08	2.42E-08	2.12E-08	9.13E-10	2.21E-08	4.87E-09	7.95E-09	1.26E-08	2.22E-09	1.40E-09	5.20E-08
4736	484363.09	3860877.25	8.06E-05	9.87E-05	8.66E-05	2.79E-08	8.43E-08	4.88E-08	5.98E-08	5.42E-08	2.47E-08	2.17E-08	9.33E-10	2.25E-08	4.97E-09	8.12E-09	1.29E-08	2.27E-09	1.43E-09	5.31E-08
4737	484863.09	3860877.25	8.04E-05	9.85E-05	8.64E-05	2.79E-08	8.41E-08	4.87E-08	5.96E-08	5.41E-08	2.47E-08	2.16E-08	9.30E-10	2.25E-08	4.96E-09	8.10E-09	1.28E-08	2.26E-09	1.43E-09	5.30E-08
4738	485363.09	3860877.25	8.25E-05	1.01E-04	8.86E-05	2.86E-08	8.63E-08	5.00E-08	6.12E-08	5.55E-08	2.53E-08	2.22E-08	9.54E-10	2.31E-08	5.09E-09	8.31E-09	1.32E-08	2.32E-09	1.46E-09	5.44E-08
4739	485863.09	3860877.25	8.52E-05	1.04E-04	9.15E-05	2.95E-08	8.92E-08	5.16E-08	6.32E-08	5.73E-08	2.61E-08	2.29E-08	9.86E-10	2.38E-08	5.26E-09	8.58E-09	1.36E-08	2.40E-09	1.51E-09	5.62E-08
4740	486363.09	3860877.25	8.49E-05	1.04E-04	9.12E-05	2.94E-08	8.89E-08	5.15E-08	6.30E-08	5.71E-08	2.61E-08	2.29E-08	9.83E-10	2.37E-08	5.24E-09	8.56E-09	1.36E-08	2.39E-09	1.51E-09	5.60E-08
4741	486863.09	3860877.25	8.51E-05	1.04E-04	9.14E-05	2.95E-08	8.90E-08	5.15E-08	6.31E-08	5.72E-08	2.61E-08	2.29E-08	9.85E-10	2.38E-08	5.25E-09	8.57E-09	1.36E-08	2.40E-09	1.51E-09	5.61E-08
4742	487363.09	3860877.25	8.47E-05	1.04E-04	9.10E-05	2.93E-08	8.86E-08	5.13E-08	6.28E-08	5.69E-08	2.60E-08	2.28E-08	9.80E-10	2.37E-08	5.22E-09	8.53E-09	1.35E-08	2.38E-09	1.50E-09	5.58E-08
4743	487863.09	3860877.25	8.44E-05	1.03E-04	9.06E-05	2.92E-08	8.83E-08	5.11E-08	6.26E-08	5.67E-08	2.59E-08	2.27E-08	9.76E-10	2.36E-08	5.20E-09	8.50E-09	1.35E-08	2.38E-09	1.50E-09	5.56E-08
4744	488363.09	3860877.25	8.72E-05	1.07E-04	9.37E-05	3.02E-08	9.12E-08	5.28E-08	6.47E-08	5.86E-08	2.68E-08	2.35E-08	1.01E-09	2.44E-08	5.38E-09	8.78E-09	1.39E-08	2.46E-09	1.55E-09	5.75E-08
4745	488863.09	3860877.25	8.56E-05	1.05E-04	9.19E-05	2.96E-08	8.95E-08	5.18E-08	6.35E-08	5.75E-08	2.63E-08	2.30E-08	9.90E-10	2.39E-08	5.28E-09	8.62E-09	1.37E-08	2.41E-09	1.52E-09	5.64E-08
4746	489363.09	3860877.25	8.87E-05	1.09E-04	9.53E-05	3.07E-08	9.28E-08	5.37E-08	6.58E-08	5.97E-08	2.72E-08	2.39E-08	1.03E-09	2.48E-08	5.47E-09	8.94E-09	1.42E-08	2.50E-09	1.57E-09	5.85E-08
4747	489863.09	3860877.25	8.76E-05	1.07E-04	9.41E-05	3.04E-08	9.17E-08	5.31E-08	6.50E-08	5.89E-08	2.69E-08	2.36E-08	1.01E-09	2.45E-08	5.41E-09	8.83E-09	1.40E-08	2.47E-09	1.56E-09	5.78E-08
4748	490363.09	3860877.25	8.92E-05	1.09E-04	9.58E-05	3.09E-08	9.33E-08	5.40E-08	6.62E-08	6.00E-08	2.74E-08	2.40E-08	1.03E-09	2.49E-08	5.50E-09	8.98E-09	1.43E-08	2.51E-09	1.58E-09	5.88E-08
4749	490863.09	3860877.25	8.99E-05	1.10E-04	9.65E-05	3.12E-08	9.41E-08	5.45E-08	6.67E-08	6.05E-08	2.76E-08	2.42E-08	1.04E-09	2.51E-08	5.55E-09	9.06E-09	1.44E-08	2.53E-09	1.60E-09	5.93E-08
4750	491363.09	3860877.25	8.61E-05	1.06E-04	9.25E-05	2.99E-08	9.01E-08	5.22E-08	6.39E-08	5.79E-08	2.64E-08	2.32E-08	9.97E-10	2.41E-08	5.31E-09	8.68E-09	1.38E-08	2.43E-09	1.53E-09	5.68E-08
4751	491863.09	3860877.25	8.24E-05	1.01E-04	8.85E-05	2.86E-08	8.63E-08	4.99E-08	6.12E-08	5.54E-08	2.53E-08	2.22E-08	9.54E-10	2.30E-08	5.08E-09	8.30E-09	1.32E-08	2.32E-09	1.46E-09	5.43E-08

4752	492363.09	3860877.25	8.01E-05	9.81E-05	8.60E-05	2.78E-08	8.38E-08	4.85E-08	5.94E-08	5.39E-08	2.46E-08	2.16E-08	9.27E-10	2.24E-08	4.94E-09	8.07E-09	1.28E-08	2.26E-09	1.42E-09	5.28E-08
4753	492863.09	3860877.25	8.17E-05	1.00E-04	8.77E-05	2.83E-08	8.55E-08	4.95E-08	6.06E-08	5.49E-08	2.51E-08	2.20E-08	9.45E-10	2.28E-08	5.04E-09	8.23E-09	1.31E-08	2.30E-09	1.45E-09	5.39E-08
4754	493363.09	3860877.25	8.48E-05	1.04E-04	9.10E-05	2.94E-08	8.87E-08	5.14E-08	6.29E-08	5.70E-08	2.60E-08	2.28E-08	9.81E-10	2.37E-08	5.23E-09	8.54E-09	1.35E-08	2.39E-09	1.50E-09	5.59E-08
4755	493863.09	3860877.25	8.55E-05	1.05E-04	9.18E-05	2.96E-08	8.95E-08	5.18E-08	6.35E-08	5.75E-08	2.62E-08	2.30E-08	9.90E-10	2.39E-08	5.28E-09	8.62E-09	1.37E-08	2.41E-09	1.52E-09	5.64E-08
4756	494363.09	3860877.25	8.57E-05	1.05E-04	9.20E-05	2.97E-08	8.97E-08	5.19E-08	6.36E-08	5.76E-08	2.63E-08	2.30E-08	9.92E-10	2.40E-08	5.29E-09	8.63E-09	1.37E-08	2.41E-09	1.52E-09	5.65E-08
4757	494863.09	3860877.25	8.54E-05	1.05E-04	9.17E-05	2.96E-08	8.94E-08	5.17E-08	6.34E-08	5.74E-08	2.62E-08	2.30E-08	9.88E-10	2.39E-08	5.27E-09	8.60E-09	1.36E-08	2.40E-09	1.52E-09	5.63E-08
4758	495363.09	3860877.25	8.42E-05	1.03E-04	9.04E-05	2.92E-08	8.81E-08	5.10E-08	6.25E-08	5.66E-08	2.58E-08	2.26E-08	9.74E-10	2.35E-08	5.19E-09	8.48E-09	1.35E-08	2.37E-09	1.49E-09	5.55E-08
4759	495863.09	3860877.25	8.19E-05	1.00E-04	8.79E-05	2.84E-08	8.57E-08	4.96E-08	6.08E-08	5.51E-08	2.51E-08	2.20E-08	9.48E-10	2.29E-08	5.05E-09	8.25E-09	1.31E-08	2.31E-09	1.45E-09	5.40E-08
4760	496363.09	3860877.25	8.05E-05	9.86E-05	8.64E-05	2.79E-08	8.43E-08	4.88E-08	5.97E-08	5.42E-08	2.47E-08	2.17E-08	9.32E-10	2.25E-08	4.97E-09	8.11E-09	1.29E-08	2.27E-09	1.43E-09	5.31E-08
4761	496863.09	3860877.25	7.85E-05	9.62E-05	8.43E-05	2.72E-08	8.22E-08	4.76E-08	5.83E-08	5.28E-08	2.41E-08	2.11E-08	9.09E-10	2.19E-08	4.84E-09	7.91E-09	1.25E-08	2.21E-09	1.39E-09	5.18E-08
4762	497363.09	3860877.25	7.62E-05	9.34E-05	8.18E-05	2.64E-08	7.98E-08	4.62E-08	5.66E-08	5.13E-08	2.34E-08	2.05E-08	8.82E-10	2.13E-08	4.70E-09	7.68E-09	1.22E-08	2.15E-09	1.35E-09	5.03E-08
4763	497863.09	3860877.25	7.41E-05	9.07E-05	7.95E-05	2.57E-08	7.75E-08	4.49E-08	5.50E-08	4.98E-08	2.27E-08	1.99E-08	8.57E-10	2.07E-08	4.57E-09	7.46E-09	1.18E-08	2.09E-09	1.31E-09	4.88E-08
4764	498363.09	3860877.25	7.19E-05	8.81E-05	7.72E-05	2.49E-08	7.53E-08	4.36E-08	5.34E-08	4.84E-08	2.21E-08	1.93E-08	8.33E-10	2.01E-08	4.44E-09	7.25E-09	1.15E-08	2.03E-09	1.28E-09	4.74E-08
4765	471363.09	3861377.25	1.99E-05	2.43E-05	2.13E-05	6.89E-09	2.08E-08	1.20E-08	1.47E-08	1.34E-08	6.10E-09	5.35E-09	2.30E-10	5.55E-09	1.23E-09	2.00E-09	3.18E-09	5.60E-10	3.53E-10	1.31E-08
4766	471863.09	3861377.25	2.09E-05	2.56E-05	2.24E-05	7.24E-09	2.19E-08	1.27E-08	1.55E-08	1.41E-08	6.41E-09	5.62E-09	2.42E-10	5.84E-09	1.29E-09	2.11E-09	3.34E-09	5.89E-10	3.71E-10	1.38E-08
4767	472363.09	3861377.25	2.19E-05	2.68E-05	2.35E-05	7.59E-09	2.29E-08	1.33E-08	1.63E-08	1.47E-08	6.72E-09	5.90E-09	2.54E-10	6.13E-09	1.35E-09	2.21E-09	3.50E-09	6.17E-10	3.89E-10	1.44E-08
4768	472863.09	3861377.25	2.30E-05	2.81E-05	2.47E-05	7.96E-09	2.40E-08	1.39E-08	1.70E-08	1.54E-08	7.05E-09	6.18E-09	2.66E-10	6.42E-09	1.42E-09	2.31E-09	3.67E-09	6.47E-10	4.08E-10	1.51E-08
4769	473363.09	3861377.25	2.40E-05	2.93E-05	2.57E-05	8.30E-09	2.51E-08	1.45E-08	1.78E-08	1.61E-08	7.35E-09	6.45E-09	2.77E-10	6.70E-09	1.48E-09	2.41E-09	3.83E-09	6.75E-10	4.25E-10	1.58E-08
4770	473863.09	3861377.25	2.49E-05	3.06E-05	2.68E-05	8.65E-09	2.61E-08	1.51E-08	1.85E-08	1.68E-08	7.66E-09	6.72E-09	2.89E-10	6.97E-09	1.54E-09	2.51E-09	3.99E-09	7.03E-10	4.43E-10	1.64E-08
4771	474363.09	3861377.25	2.61E-05	3.20E-05	2.81E-05	9.05E-09	2.73E-08	1.58E-08	1.94E-08	1.76E-08	8.02E-09	7.03E-09	3.02E-10	7.30E-09	1.61E-09	2.63E-09	4.17E-09	7.36E-10	4.64E-10	1.72E-08
4772	474863.09	3861377.25	2.73E-05	3.35E-05	2.94E-05	9.47E-09	2.86E-08	1.66E-08	2.03E-08	1.84E-08	8.39E-09	7.36E-09	3.16E-10	7.64E-09	1.69E-09	2.75E-09	4.37E-09	7.70E-10	4.85E-10	1.80E-08
4773	475363.09	3861377.25	2.87E-05	3.52E-05	3.08E-05	9.95E-09	3.00E-08	1.74E-08	2.13E-08	1.93E-08	8.81E-09	7.73E-09	3.32E-10	8.03E-09	1.77E-09	2.89E-09	4.59E-09	8.09E-10	5.10E-10	1.89E-08
4774	475863.09	3861377.25	2.99E-05	3.66E-05	3.21E-05	1.04E-08	3.13E-08	1.81E-08	2.22E-08	2.01E-08	9.17E-09	8.04E-09	3.46E-10	8.35E-09	1.84E-09	3.01E-09	4.78E-09	8.42E-10	5.30E-10	1.97E-08
4775	476363.09	3861377.25	3.08E-05	3.77E-05	3.30E-05	1.07E-08	3.22E-08	1.86E-08	2.28E-08	2.07E-08	9.44E-09	8.28E-09	3.56E-10	8.60E-09	1.90E-09	3.10E-09	4.92E-09	8.67E-10	5.46E-10	2.03E-08
4776	476863.09	3861377.25	3.16E-05	3.87E-05	3.40E-05	1.10E-08	3.31E-08	1.92E-08	2.35E-08	2.13E-08	9.71E-09	8.51E-09	3.66E-10	8.84E-09	1.95E-09	3.19E-09	5.05E-09	8.91E-10	5.61E-10	2.09E-08
4777	477363.09	3861377.25	3.25E-05	3.98E-05	3.49E-05	1.13E-08	3.40E-08	1.97E-08	2.41E-08	2.19E-08	9.97E-09	8.75E-09	3.76E-10	9.08E-09	2.00E-09	3.27E-09	5.19E-09	9.15E-10	5.77E-10	2.14E-08
4778	477863.09	3861377.25	2.97E-05	3.64E-05	3.19E-05	1.03E-08	3.11E-08	1.80E-08	2.20E-08	2.00E-08	9.12E-09	8.00E-09	3.44E-10	8.31E-09	1.83E-09	2.99E-09	4.75E-09	8.37E-10	5.28E-10	1.96E-08
4779	478363.09	3861377.25	1.94E-05	2.37E-05	2.08E-05	6.71E-09	2.03E-08	1.17E-08	1.44E-08	1.30E-08	5.94E-09	5.21E-09	2.24E-10	5.41E-09	1.19E-09	1.95E-09	3.09E-09	5.45E-10	3.44E-10	1.28E-08
4780	478863.09	3861377.25	2.44E-05	2.99E-05	2.62E-05	8.47E-09	2.56E-08	1.48E-08	1.81E-08	1.64E-08	7.50E-09	6.57E-09	2.83E-10	6.83E-09	1.51E-09	2.46E-09	3.91E-09	6.89E-10	4.34E-10	1.61E-08
4781	479363.09	3861377.25	3.96E-05	4.85E-05	4.25E-05	1.37E-08	4.14E-08	2.40E-08	2.94E-08	2.66E-08	1.22E-08	1.06E-08	4.58E-10	1.11E-08	2.44E-09	3.99E-09	6.33E-09	1.12E-09	7.02E-10	2.61E-08
4782	479863.09	3861377.25	4.52E-05	5.53E-05	4.85E-05	1.57E-08	4.73E-08	2.74E-08	3.35E-08	3.04E-08	1.39E-08	1.21E-08	5.23E-10	1.26E-08	2.79E-09	4.55E-09	7.22E-09	1.27E-09	8.01E-10	2.98E-08
4783	480363.09	3861377.25	4.87E-05	5.96E-05	5.23E-05	1.69E-08	5.09E-08	2.95E-08	3.61E-08	3.27E-08	1.49E-08	1.31E-08	5.63E-10	1.36E-08	3.00E-09	4.90E-09	7.78E-09	1.37E-09	8.64E-10	3.21E-08
4784	480863.09	3861377.25	5.14E-05	6.29E-05	5.52E-05	1.78E-08	5.37E-08	3.11E-08	3.81E-08	3.45E-08	1.58E-08	1.38E-08	5.94E-10	1.44E-08	3.17E-09	5.17E-09	8.21E-09	1.45E-09	9.12E-10	3.39E-08
4785	481363.09	3861377.25	5.40E-05	6.62E-05	5.80E-05	1.87E-08	5.65E-08	3.27E-08	4.01E-08	3.63E-08	1.66E-08	1.45E-08	6.25E-10	1.51E-08	3.33E-09	5.44E-09	8.63E-09	1.52E-09	9.59E-10	3.56E-08
4786	481863.09	3861377.25	5.68E-05	6.95E-05	6.10E-05	1.97E-08	5.94E-08	3.44E-08	4.21E-08	3.82E-08	1.74E-08	1.53E-08	6.57E-10	1.59E-08	3.50E-09	5.72E-09	9.07E-09	1.60E-09	1.01E-09	3.74E-08
4787	482363.09	3861377.25	5.99E-05	7.33E-05	6.43E-05	2.07E-08	6.26E-08	3.63E-08	4.44E-08	4.03E-08	1.84E-08	1.61E-08	6.93E-10	1.67E-08	3.69E-09	6.03E-09	9.57E-09	1.69E-09	1.06E-09	3.95E-08
4788	482863.09	3861377.25	6.30E-05	7.72E-05	6.77E-05	2.18E-08	6.60E-08	3.82E-08	4.68E-08	4.24E-08	1.93E-08	1.70E-08	7.30E-10	1.76E-08	3.89E-09	6.35E-09	1.01E-08	1.78E-09	1.12E-09	4.16E-08
4789	483363.09	3861377.25	6.58E-05	8.05E-05	7.07E-05	2.28E-08	6.88E-08	3.98E-08	4.88E-08	4.42E-08	2.02E-08	1.77E-08	7.61E-10	1.84E-08	4.06E-09	6.62E-09	1.05E-08	1.85E-09	1.17E-09	4.34E-08
4790	483863.09	3861377.25	6.81E-05	8.33E-05	7.31E-05	2.36E-08	7.12E-08	4.12E-08	5.05E-08	4.58E-08	2.09E-08	1.83E-08	7.88E-10	1.90E-08	4.20E-09	6.85E-09	1.09E-08	1.92E-09	1.21E-09	4.49E-08
4791	484363.09	3861377.25	7.05E-05	8.63E-05	7.57E-05	2.44E-08	7.37E-08	4.27E-08	5.23E-08	4.74E-08	2.16E-08	1.90E-08	8.16E-10	1.97E-08	4.35E-09	7.10E-09	1.13E-08	1.98E-09	1.25E-09	4.65E-08
4792	484863.09	3861377.25	7.02E-05	8.59E-05	7.54E-05	2.43E-08	7.34E-08	4.25E-08	5.21E-08	4.72E-08	2.15E-08	1.89E-08	8.12E-10	1.96E-08	4.33E-09	7.07E-09	1.12E-08	1.98E-09	1.25E-09	4.63E-08
4793	485363.09	3861377.25	6.98E-05	8.55E-05	7.50E-05	2.42E-08	7.30E-08	4.23E-08	5.18E-08	4.69E-08	2.14E-08	1.88E-08	8.08E-10	1.95E-08	4.31E-09	7.03E-09	1.12E-08	1.97E-09	1.24E-09	4.60E-08
4794	485863.09	3861377.25	7.09E-05	8.68E-05	7.61E-05	2.46E-08	7.42E-08	4.29E-08	5.26E-08	4.77E-08	2.18E-08	1.91E-08	8.20E-10	1.98E-08	4.37E-09	7.14E-09	1.13E-08	2.00E-09	1.26E-09	4.67E-08
4795	486363.09	3861377.25	7.13E-05	8.74E-05	7.66E-05	2.47E-08	7.46E-08	4.32E-08	5.29E-08	4.80E-08	2.19E-08	1.92E-08	8.25E-10	1.99E-08	4.40E-09	7.18E-09	1.14E-08	2.01E-09	1.27E-09	4.70E-08
4796	486863.09	3861377.25	7.12E-05	8.72E-05	7.65E-05	2.47E-08	7.45E-08	4.31E-08	5.28E-08	4.79E-08	2.18E-08	1.92E-08	8.24E-10	1.99E-08	4.39E-09	7.17E-09	1.14E-08	2.00E-09	1.26E-09	4.69E-08
4797	487363.09	3861377.25	7.02E-05	8.60E-05	7.54E-05	2.43E-08	7.35E-08	4.25E-08	5.21E-08	4.72E-08	2.15E-08	1.89E-08	8.12E-10	1.96E-08	4.33E-09	7.07E-09	1.12E-08	1.98E-09	1.25E-09	4.63E-08
4798	487863.09	3861377.25	6.97E-05	8.54E-05	7.49E-05	2.42E-08	7.30E-08	4.22E-08	5.17E-08	4.69E-08	2.14E-08	1.88E-08	8.07E-10	1.95E-08	4.30E-09	7.03E-09	1.11E-08	1.96E-09	1.24E-09	4.60E-08
4799	488363.09	3861377.25	6.93E-05	8.48E-05	7.44E-05	2.40E-08	7.25E-08	4.20E-08	5.14E-08	4.66E-08	2.13E-08	1.86E-08	8.02E-10	1.94E-08	4.27E-09	6.98E-09	1.11E-08	1.95E-09	1.23E-09	4.57E-08
4800	488863.09	3861377.25	6.94E-05	8.49E-05	7.45E-05	2.40E-08	7.26E-08	4.20E-08	5.15E-08	4.66E-08	2.13E-08	1.87E-08	8.03E-10	1.94E-08	4.28E-09	6.99E-09	1.11E-08	1.95E-09	1.23E-09	4.57E-08
4801	489363.09	3861377.25	6.99E-05	8.56E-05	7.51E-05	2.42E-08	7.31E-08	4.23E-08	5.19E-08	4.70E-08	2.14E-08	1.88E-08	8.09E-10	1.95E-08	4.31E-09	7.04E-09	1.12E-08	1.97E-09	1.24E-09	4.61E-08
4802	489863.09	3861377.25	7.11E-05	8.70E-05	7.63E-05	2.46E-08	7.44E-08	4.30E-08	5.27E-08	4.78E-08	2.18E-08	1.91E-08	8.22E-10	1.99E-08	4.38E-09	7.16E-09	1.14E-08	2.00E-09	1.26E-09	4.68E-08
4803	490363.09	3861377.25	7.15E-05	8.76E-05	7.68E-05	2.48E-08	7.49E-08	4.33E-08	5.31E-08	4.81E-08	2.20E-08	1.92E-08	8.28E-10	2.00E-08	4.41E-09	7.21E-09	1.14E-08	2.01E-09	1.27E-09	4.72E-08
4804	490863.09	3861377.25	7.22E-05	8.84E-05	7.75E-05	2.50E-08	7.55E-08	4.37E-08	5.35E-08	4.85E-08	2.21E-08	1.94E-08	8.35E-10	2.02E-08	4.45E-09	7.27E-09	1.15E-08	2.03E-09	1.28E-09	4.76E-08
4805	491363.09	3861377.25	7.29E-05	8.93E-05	7.83E-05	2.53E-08	7.63E-08	4.42E-08	5.41E-08	4.91E-08	2.24E-08	1.96E-08	8.44E-10	2.04E-08	4.50E-09	7.35E-09	1.17E-08	2.05E-09	1.29E-09	4.81E-08
4806	491863.09	3861377.25	7.07E-05	8.66E-05	7.60E-05	2.45E-08	7.40E-08	4.28E-08	5.25E-08	4.76E-08	2.17E-08	1.90E-08	8.19E-10	1.98E-08	4.36E-09	7.13E-09	1.13E-08	1.99E-09	1.26E-09	4.66E-08
4807	492363.09	3861377.25	6.74E-05	8.25E-05	7.23E-05	2.33E-08	7.05E-08	4.08E-08	5.00E-08	4.53E-08	2.07E-08	1.81E-08	7.79E-10	1.88E-08	4.15E-09	6.78E-09	1.08E-08	1.90E-09	1.20E-09	4.44E-08
4808	492863.09	3861377.25	6.55E-05	8.02E-05	7.03E-05	2.27E-08	6.85E-08	3.97E-08	4.86E-08	4.41E-08	2.01E-08	1.76E-08	7.58E-10	1.83E-08	4.04E-09	6.60E-09	1.05E-08	1.84E-09	1.16E-09	4.32E-08
4809	493363.09	3861377.25	6.57E-05	8.05E-05	7.06E-05	2.28E-08	6.88E-08	3.98E-08	4.88E-08	4.42E-08	2.02E-08	1.77E-08	7.61E-10	1.84E-08	4.05E-09	6.62E-09	1.05E-08	1.85E-09	1.17E-09	4.33E-08
4810	493863.09	3861377.25	6.66E-05	8.16E-05	7.15E-05	2.31E-08	6.97E-08	4.04E-08	4.94E-08	4.48E-08	2.04E-08	1.79E-08	7.71E-10	1.86E-08	4.11E-09	6.71E-09	1.06E-08	1.88E-09	1.18E-09	4.39E-08
4811	494363.09	3861377.25	6.78E-05	8.30E-05	7.27E-05	2.35E-08	7.09E-08	4.10E-08	5.03E-08	4.56E-08	2.08E-08	1.82E-08	7.84E-10	1.89E-08	4.18E-09	6.82E-09	1.08E-08	1.91E-09	1.20E-09	4.47E-08
4812	494863.09	3861377.25	6.87E-05	8.41E-05	7.38E-05	2.38E-08	7.19E-08	4.16E-08	5.10E-08	4.62E-08	2.11E-08	1.85E-08	7.95E-10	1.92E-08	4.24E-09	6.92E-09	1.10E-08	1.93E-09	1.22E-09	4.53E-08

4813	495363.09	3861377.25	6.89E-05	8.43E-05	7.39E-05	2.39E-08	7.21E-08	4.17E-08	5.11E-08	4.63E-08	2.11E-08	1.85E-08	7.97E-10	1.93E-08	4.25E-09	6.94E-09	1.10E-08	1.94E-09	1.22E-09	4.54E-08
4814	495863.09	3861377.25	6.80E-05	8.33E-05	7.30E-05	2.36E-08	7.12E-08	4.12E-08	5.05E-08	4.58E-08	2.09E-08	1.83E-08	7.87E-10	1.90E-08	4.20E-09	6.85E-09	1.09E-08	1.92E-09	1.21E-09	4.49E-08
4815	496363.09	3861377.25	6.79E-05	8.31E-05	7.29E-05	2.35E-08	7.10E-08	4.11E-08	5.04E-08	4.57E-08	2.08E-08	1.83E-08	7.86E-10	1.90E-08	4.19E-09	6.84E-09	1.08E-08	1.91E-09	1.20E-09	4.48E-08
4816	496863.09	3861377.25	6.79E-05	8.32E-05	7.29E-05	2.35E-08	7.11E-08	4.12E-08	5.04E-08	4.57E-08	2.08E-08	1.83E-08	7.86E-10	1.90E-08	4.19E-09	6.84E-09	1.09E-08	1.91E-09	1.21E-09	4.48E-08
4817	497363.09	3861377.25	6.64E-05	8.14E-05	7.13E-05	2.30E-08	6.95E-08	4.02E-08	4.93E-08	4.47E-08	2.04E-08	1.79E-08	7.69E-10	1.86E-08	4.10E-09	6.69E-09	1.06E-08	1.87E-09	1.18E-09	4.38E-08
4818	497863.09	3861377.25	6.48E-05	7.94E-05	6.96E-05	2.25E-08	6.78E-08	3.93E-08	4.81E-08	4.36E-08	1.99E-08	1.74E-08	7.50E-10	1.81E-08	4.00E-09	6.53E-09	1.04E-08	1.83E-09	1.15E-09	4.27E-08
4819	498363.09	3861377.25	6.33E-05	7.76E-05	6.80E-05	2.19E-08	6.63E-08	3.84E-08	4.70E-08	4.26E-08	1.94E-08	1.70E-08	7.33E-10	1.77E-08	3.91E-09	6.38E-09	1.01E-08	1.78E-09	1.12E-09	4.18E-08
4820	471363.09	3861877.25	1.96E-05	2.40E-05	2.11E-05	6.80E-09	2.05E-08	1.19E-08	1.46E-08	1.32E-08	6.02E-09	5.28E-09	2.27E-10	5.49E-09	1.21E-09	1.98E-09	3.14E-09	5.53E-10	3.48E-10	1.29E-08
4821	471863.09	3861877.25	2.04E-05	2.50E-05	2.20E-05	7.09E-09	2.14E-08	1.24E-08	1.52E-08	1.38E-08	6.27E-09	5.50E-09	2.37E-10	5.72E-09	1.26E-09	2.06E-09	3.27E-09	5.76E-10	3.63E-10	1.35E-08
4822	472363.09	3861877.25	2.13E-05	2.60E-05	2.28E-05	7.37E-09	2.22E-08	1.29E-08	1.58E-08	1.43E-08	6.52E-09	5.72E-09	2.46E-10	5.94E-09	1.31E-09	2.14E-09	3.40E-09	5.99E-10	3.77E-10	1.40E-08
4823	472863.09	3861877.25	2.21E-05	2.71E-05	2.38E-05	7.67E-09	2.31E-08	1.34E-08	1.64E-08	1.49E-08	6.79E-09	5.95E-09	2.56E-10	6.18E-09	1.36E-09	2.23E-09	3.53E-09	6.23E-10	3.93E-10	1.46E-08
4824	473363.09	3861877.25	2.30E-05	2.82E-05	2.47E-05	7.97E-09	2.41E-08	1.39E-08	1.71E-08	1.55E-08	7.06E-09	6.19E-09	2.66E-10	6.43E-09	1.42E-09	2.32E-09	3.68E-09	6.48E-10	4.09E-10	1.52E-08
4825	473863.09	3861877.25	2.40E-05	2.94E-05	2.58E-05	8.31E-09	2.51E-08	1.45E-08	1.78E-08	1.61E-08	7.36E-09	6.45E-09	2.77E-10	6.70E-09	1.48E-09	2.42E-09	3.83E-09	6.75E-10	4.26E-10	1.58E-08
4826	474363.09	3861877.25	2.50E-05	3.07E-05	2.69E-05	8.68E-09	2.62E-08	1.52E-08	1.86E-08	1.68E-08	7.68E-09	6.74E-09	2.90E-10	7.00E-09	1.54E-09	2.52E-09	4.00E-09	7.05E-10	4.44E-10	1.65E-08
4827	474863.09	3861877.25	2.62E-05	3.21E-05	2.81E-05	9.07E-09	2.74E-08	1.59E-08	1.94E-08	1.76E-08	8.03E-09	7.04E-09	3.03E-10	7.32E-09	1.61E-09	2.64E-09	4.18E-09	7.37E-10	4.65E-10	1.73E-08
4828	475363.09	3861877.25	2.73E-05	3.35E-05	2.94E-05	9.47E-09	2.86E-08	1.66E-08	2.03E-08	1.84E-08	8.39E-09	7.36E-09	3.16E-10	7.64E-09	1.69E-09	2.75E-09	4.37E-09	7.70E-10	4.85E-10	1.80E-08
4829	475863.09	3861877.25	2.86E-05	3.50E-05	3.07E-05	9.90E-09	2.99E-08	1.73E-08	2.12E-08	1.92E-08	8.77E-09	7.69E-09	3.31E-10	7.99E-09	1.76E-09	2.88E-09	4.57E-09	8.05E-10	5.07E-10	1.88E-08
4830	476363.09	3861877.25	2.98E-05	3.65E-05	3.20E-05	1.03E-08	3.12E-08	1.81E-08	2.21E-08	2.00E-08	9.15E-09	8.02E-09	3.45E-10	8.33E-09	1.84E-09	3.00E-09	4.76E-09	8.39E-10	5.29E-10	1.96E-08
4831	476863.09	3861877.25	3.08E-05	3.77E-05	3.31E-05	1.07E-08	3.22E-08	1.87E-08	2.28E-08	2.07E-08	9.45E-09	8.29E-09	3.56E-10	8.61E-09	1.90E-09	3.10E-09	4.92E-09	8.67E-10	5.47E-10	2.03E-08
4832	477363.09	3861877.25	3.17E-05	3.88E-05	3.40E-05	1.10E-08	3.31E-08	1.92E-08	2.35E-08	2.13E-08	9.72E-09	8.52E-09	3.67E-10	8.85E-09	1.95E-09	3.19E-09	5.06E-09	8.92E-10	5.62E-10	2.09E-08
4833	477863.09	3861877.25	2.88E-05	3.53E-05	3.09E-05	9.98E-09	3.01E-08	1.74E-08	2.14E-08	1.94E-08	8.84E-09	7.74E-09	3.33E-10	8.05E-09	1.78E-09	2.90E-09	4.60E-09	8.11E-10	5.11E-10	1.90E-08
4834	478363.09	3861877.25	1.59E-05	1.95E-05	1.71E-05	5.51E-09	1.66E-08	9.63E-09	1.18E-08	1.07E-08	4.88E-09	4.28E-09	1.84E-10	4.44E-09	9.80E-10	1.60E-09	2.54E-09	4.48E-10	2.82E-10	1.05E-08
4835	478863.09	3861877.25	2.64E-05	3.24E-05	2.84E-05	9.16E-09	2.76E-08	1.60E-08	1.96E-08	1.78E-08	8.11E-09	7.11E-09	3.06E-10	7.39E-09	1.63E-09	2.66E-09	4.22E-09	7.44E-10	4.69E-10	1.74E-08
4836	479363.09	3861877.25	2.48E-05	3.03E-05	2.66E-05	8.58E-09	2.59E-08	1.50E-08	1.84E-08	1.67E-08	7.60E-09	6.66E-09	2.87E-10	6.92E-09	1.53E-09	2.49E-09	3.96E-09	6.97E-10	4.39E-10	1.63E-08
4837	479863.09	3861877.25	4.11E-05	5.03E-05	4.41E-05	1.42E-08	4.30E-08	2.49E-08	3.05E-08	2.76E-08	1.26E-08	1.11E-08	4.75E-10	1.15E-08	2.53E-09	4.14E-09	6.57E-09	1.16E-09	7.29E-10	2.71E-08
4838	480363.09	3861877.25	4.42E-05	5.41E-05	4.75E-05	1.53E-08	4.62E-08	2.68E-08	3.28E-08	2.97E-08	1.36E-08	1.19E-08	5.11E-10	1.24E-08	2.73E-09	4.45E-09	7.06E-09	1.24E-09	7.84E-10	2.91E-08
4839	480863.09	3861877.25	4.65E-05	5.69E-05	4.99E-05	1.61E-08	4.86E-08	2.82E-08	3.45E-08	3.13E-08	1.43E-08	1.25E-08	5.38E-10	1.30E-08	2.87E-09	4.68E-09	7.43E-09	1.31E-09	8.25E-10	3.06E-08
4840	481363.09	3861877.25	4.86E-05	5.96E-05	5.23E-05	1.69E-08	5.09E-08	2.95E-08	3.61E-08	3.27E-08	1.49E-08	1.31E-08	5.63E-10	1.36E-08	3.00E-09	4.90E-09	7.77E-09	1.37E-09	8.64E-10	3.21E-08
4841	481863.09	3861877.25	5.09E-05	6.24E-05	5.47E-05	1.76E-08	5.33E-08	3.08E-08	3.78E-08	3.42E-08	1.56E-08	1.37E-08	5.89E-10	1.42E-08	3.14E-09	5.13E-09	8.14E-09	1.43E-09	9.04E-10	3.36E-08
4842	482363.09	3861877.25	5.35E-05	6.55E-05	5.74E-05	1.85E-08	5.59E-08	3.24E-08	3.97E-08	3.60E-08	1.64E-08	1.44E-08	6.19E-10	1.49E-08	3.30E-09	5.39E-09	8.54E-09	1.51E-09	9.49E-10	3.52E-08
4843	482863.09	3861877.25	5.59E-05	6.85E-05	6.01E-05	1.94E-08	5.85E-08	3.39E-08	4.15E-08	3.76E-08	1.72E-08	1.51E-08	6.47E-10	1.56E-08	3.45E-09	5.63E-09	8.94E-09	1.58E-09	9.93E-10	3.69E-08
4844	483363.09	3861877.25	5.78E-05	7.08E-05	6.21E-05	2.00E-08	6.05E-08	3.50E-08	4.29E-08	3.89E-08	1.77E-08	1.56E-08	6.69E-10	1.62E-08	3.57E-09	5.82E-09	9.24E-09	1.63E-09	1.03E-09	3.81E-08
4845	483863.09	3861877.25	5.96E-05	7.30E-05	6.40E-05	2.07E-08	6.24E-08	3.61E-08	4.42E-08	4.01E-08	1.83E-08	1.60E-08	6.90E-10	1.67E-08	3.68E-09	6.00E-09	9.53E-09	1.68E-09	1.06E-09	3.93E-08
4846	484363.09	3861877.25	6.06E-05	7.42E-05	6.51E-05	2.10E-08	6.34E-08	3.67E-08	4.50E-08	4.08E-08	1.86E-08	1.63E-08	7.01E-10	1.69E-08	3.74E-09	6.10E-09	9.68E-09	1.71E-09	1.08E-09	4.00E-08
4847	484863.09	3861877.25	6.16E-05	7.54E-05	6.61E-05	2.13E-08	6.44E-08	3.73E-08	4.57E-08	4.14E-08	1.89E-08	1.66E-08	7.13E-10	1.72E-08	3.80E-09	6.20E-09	9.84E-09	1.73E-09	1.09E-09	4.06E-08
4848	485363.09	3861877.25	6.12E-05	7.49E-05	6.57E-05	2.12E-08	6.40E-08	3.70E-08	4.54E-08	4.11E-08	1.88E-08	1.65E-08	7.08E-10	1.71E-08	3.77E-09	6.16E-09	9.77E-09	1.72E-09	1.09E-09	4.03E-08
4849	485863.09	3861877.25	6.05E-05	7.41E-05	6.50E-05	2.10E-08	6.33E-08	3.67E-08	4.49E-08	4.07E-08	1.86E-08	1.63E-08	7.01E-10	1.69E-08	3.73E-09	6.10E-09	9.67E-09	1.70E-09	1.07E-09	3.99E-08
4850	486363.09	3861877.25	6.09E-05	7.46E-05	6.54E-05	2.11E-08	6.37E-08	3.69E-08	4.52E-08	4.10E-08	1.87E-08	1.64E-08	7.05E-10	1.70E-08	3.76E-09	6.14E-09	9.73E-09	1.72E-09	1.08E-09	4.02E-08
4851	486863.09	3861877.25	6.05E-05	7.41E-05	6.50E-05	2.10E-08	6.33E-08	3.67E-08	4.49E-08	4.07E-08	1.86E-08	1.63E-08	7.00E-10	1.69E-08	3.73E-09	6.10E-09	9.67E-09	1.70E-09	1.07E-09	3.99E-08
4852	487363.09	3861877.25	5.98E-05	7.32E-05	6.42E-05	2.07E-08	6.25E-08	3.62E-08	4.43E-08	4.02E-08	1.83E-08	1.61E-08	6.92E-10	1.67E-08	3.69E-09	6.02E-09	9.55E-09	1.68E-09	1.06E-09	3.94E-08
4853	487863.09	3861877.25	5.91E-05	7.24E-05	6.35E-05	2.05E-08	6.18E-08	3.58E-08	4.38E-08	3.97E-08	1.81E-08	1.59E-08	6.84E-10	1.65E-08	3.65E-09	5.95E-09	9.44E-09	1.66E-09	1.05E-09	3.90E-08
4854	488363.09	3861877.25	5.87E-05	7.19E-05	6.30E-05	2.03E-08	6.14E-08	3.56E-08	4.36E-08	3.95E-08	1.80E-08	1.58E-08	6.79E-10	1.64E-08	3.62E-09	5.91E-09	9.38E-09	1.65E-09	1.04E-09	3.87E-08
4855	488863.09	3861877.25	5.82E-05	7.13E-05	6.25E-05	2.02E-08	6.09E-08	3.53E-08	4.32E-08	3.92E-08	1.79E-08	1.57E-08	6.74E-10	1.63E-08	3.59E-09	5.86E-09	9.30E-09	1.64E-09	1.03E-09	3.84E-08
4856	489363.09	3861877.25	5.80E-05	7.10E-05	6.23E-05	2.01E-08	6.07E-08	3.51E-08	4.30E-08	3.90E-08	1.78E-08	1.56E-08	6.71E-10	1.62E-08	3.58E-09	5.84E-09	9.27E-09	1.63E-09	1.03E-09	3.82E-08
4857	489863.09	3861877.25	5.88E-05	7.21E-05	6.32E-05	2.04E-08	6.16E-08	3.56E-08	4.36E-08	3.96E-08	1.81E-08	1.58E-08	6.81E-10	1.64E-08	3.63E-09	5.93E-09	9.40E-09	1.66E-09	1.04E-09	3.88E-08
4858	490363.09	3861877.25	5.90E-05	7.23E-05	6.34E-05	2.05E-08	6.18E-08	3.58E-08	4.38E-08	3.97E-08	1.81E-08	1.59E-08	6.83E-10	1.65E-08	3.64E-09	5.95E-09	9.43E-09	1.66E-09	1.05E-09	3.89E-08
4859	490863.09	3861877.25	5.94E-05	7.27E-05	6.38E-05	2.06E-08	6.21E-08	3.60E-08	4.41E-08	3.99E-08	1.82E-08	1.60E-08	6.87E-10	1.66E-08	3.66E-09	5.98E-09	9.49E-09	1.67E-09	1.05E-09	3.91E-08
4860	491363.09	3861877.25	6.01E-05	7.36E-05	6.46E-05	2.08E-08	6.29E-08	3.64E-08	4.46E-08	4.04E-08	1.85E-08	1.62E-08	6.96E-10	1.68E-08	3.71E-09	6.06E-09	9.61E-09	1.69E-09	1.07E-09	3.96E-08
4861	491863.09	3861877.25	6.12E-05	7.50E-05	6.57E-05	2.12E-08	6.41E-08	3.71E-08	4.54E-08	4.12E-08	1.88E-08	1.65E-08	7.09E-10	1.71E-08	3.78E-09	6.17E-09	9.78E-09	1.72E-09	1.09E-09	4.04E-08
4862	492363.09	3861877.25	5.94E-05	7.28E-05	6.38E-05	2.06E-08	6.22E-08	3.60E-08	4.41E-08	4.00E-08	1.82E-08	1.60E-08	6.88E-10	1.66E-08	3.67E-09	5.99E-09	9.50E-09	1.67E-09	1.05E-09	3.92E-08
4863	492863.09	3861877.25	5.67E-05	6.94E-05	6.09E-05	1.96E-08	5.93E-08	3.43E-08	4.21E-08	3.81E-08	1.74E-08	1.53E-08	6.56E-10	1.58E-08	3.50E-09	5.71E-09	9.06E-09	1.60E-09	1.01E-09	3.74E-08
4864	493363.09	3861877.25	5.48E-05	6.72E-05	5.89E-05	1.90E-08	5.74E-08	3.32E-08	4.07E-08	3.69E-08	1.68E-08	1.48E-08	6.35E-10	1.53E-08	3.38E-09	5.52E-09	8.76E-09	1.54E-09	9.73E-10	3.62E-08
4865	493863.09	3861877.25	5.43E-05	6.65E-05	5.83E-05	1.88E-08	5.68E-08	3.29E-08	4.03E-08	3.65E-08	1.67E-08	1.46E-08	6.28E-10	1.52E-08	3.35E-09	5.47E-09	8.68E-09	1.53E-09	9.63E-10	3.58E-08
4866	494363.09	3861877.25	5.47E-05	6.70E-05	5.87E-05	1.90E-08	5.72E-08	3.31E-08	4.06E-08	3.68E-08	1.68E-08	1.47E-08	6.33E-10	1.53E-08	3.37E-09	5.51E-09	8.74E-09	1.54E-09	9.71E-10	3.61E-08
4867	494863.09	3861877.25	5.58E-05	6.84E-05	5.99E-05	1.94E-08	5.84E-08	3.38E-08	4.14E-08	3.76E-08	1.71E-08	1.50E-08	6.46E-10	1.56E-08	3.44E-09	5.62E-09	8.92E-09	1.57E-09	9.91E-10	3.68E-08
4868	495363.09	3861877.25	5.67E-05	6.95E-05	6.09E-05	1.97E-08	5.94E-08	3.44E-08	4.21E-08	3.82E-08	1.74E-08	1.53E-08	6.57E-10	1.59E-08	3.50E-09	5.72E-09	9.07E-09	1.60E-09	1.01E-09	3.74E-08
4869	495863.09	3861877.25	5.73E-05	7.01E-05	6.15E-05	1.98E-08	5.99E-08	3.47E-08	4.25E-08	3.85E-08	1.76E-08	1.54E-08	6.63E-10	1.60E-08	3.53E-09	5.77E-09	9.15E-09	1.61E-09	1.02E-09	3.77E-08
4870	496363.09	3861877.25	5.75E-05	7.05E-05	6.18E-05	1.99E-08	6.02E-08	3.49E-08	4.27E-08	3.87E-08	1.77E-08	1.55E-08	6.66E-10	1.61E-08	3.55E-09	5.80E-09	9.19E-09	1.62E-09	1.02E-09	3.79E-08
4871	496863.09	3861877.25	6.06E-05	7.43E-05	6.51E-05	2.10E-08	6.35E-08	3.67E-08	4.50E-08	4.08E-08	1.86E-08	1.63E-08	7.02E-10	1.70E-08	3.74E-09	6.11E-09	9.69E-09	1.71E-09	1.08E-09	4.00E-08
4872	497363.09	3861877.25	5.77E-05	7.06E-05	6.19E-05	2.00E-08	6.03E-08	3.49E-08	4.28E-08	3.88E-08	1.77E-08	1.55E-08	6.67E-10	1.61E-08	3.56E-09	5.81E-09	9.21E-09	1.62E-09	1.02E-09	3.80E-08
4873	497863.09	3861877.25	5.59E-05	6.85E-05	6.00E-05	1.94E-08	5.85E-08	3.39E-08	4.15E-08	3.76E-08	1.72E-08	1.50E-08	6.47E-10	1.56E-08	3.45E-09	5.63E-09	8.93E-09	1.57E-09	9.92E-10	3.69E-08

4874	498363.09	3861877.25	5.45E-05	6.68E-05	5.85E-05	1.89E-08	5.71E-08	3.30E-08	4.05E-08	3.67E-08	1.67E-08	1.47E-08	6.31E-10	1.52E-08	3.36E-09	5.49E-09	8.71E-09	1.54E-09	9.67E-10	3.60E-08
4875	471363.09	3862377.25	1.91E-05	2.33E-05	2.05E-05	6.60E-09	1.99E-08	1.15E-08	1.41E-08	1.28E-08	5.85E-09	5.13E-09	2.20E-10	5.33E-09	1.18E-09	1.92E-09	3.04E-09	5.37E-10	3.38E-10	1.26E-08
4876	471863.09	3862377.25	1.97E-05	2.42E-05	2.12E-05	6.84E-09	2.06E-08	1.20E-08	1.46E-08	1.33E-08	6.06E-09	5.31E-09	2.28E-10	5.52E-09	1.22E-09	1.99E-09	3.15E-09	5.56E-10	3.50E-10	1.30E-08
4877	472363.09	3862377.25	2.04E-05	2.50E-05	2.20E-05	7.08E-09	2.14E-08	1.24E-08	1.52E-08	1.37E-08	6.27E-09	5.50E-09	2.37E-10	5.71E-09	1.26E-09	2.06E-09	3.27E-09	5.76E-10	3.63E-10	1.35E-08
4878	472863.09	3862377.25	2.12E-05	2.60E-05	2.28E-05	7.35E-09	2.22E-08	1.28E-08	1.57E-08	1.43E-08	6.51E-09	5.71E-09	2.45E-10	5.93E-09	1.31E-09	2.14E-09	3.39E-09	5.97E-10	3.76E-10	1.40E-08
4879	473363.09	3862377.25	2.20E-05	2.70E-05	2.37E-05	7.63E-09	2.30E-08	1.33E-08	1.63E-08	1.48E-08	6.76E-09	5.93E-09	2.55E-10	6.15E-09	1.36E-09	2.22E-09	3.52E-09	6.20E-10	3.91E-10	1.45E-08
4880	473863.09	3862377.25	2.29E-05	2.81E-05	2.46E-05	7.94E-09	2.40E-08	1.39E-08	1.70E-08	1.54E-08	7.03E-09	6.17E-09	2.65E-10	6.40E-09	1.41E-09	2.31E-09	3.66E-09	6.45E-10	4.07E-10	1.51E-08
4881	474363.09	3862377.25	2.39E-05	2.92E-05	2.56E-05	8.27E-09	2.50E-08	1.45E-08	1.77E-08	1.61E-08	7.32E-09	6.42E-09	2.76E-10	6.67E-09	1.47E-09	2.40E-09	3.81E-09	6.72E-10	4.24E-10	1.57E-08
4882	474863.09	3862377.25	2.48E-05	3.04E-05	2.67E-05	8.60E-09	2.60E-08	1.50E-08	1.84E-08	1.67E-08	7.62E-09	6.68E-09	2.87E-10	6.94E-09	1.53E-09	2.50E-09	3.97E-09	6.99E-10	4.41E-10	1.64E-08
4883	475363.09	3862377.25	2.59E-05	3.17E-05	2.78E-05	8.97E-09	2.71E-08	1.57E-08	1.92E-08	1.74E-08	7.94E-09	6.96E-09	2.99E-10	7.23E-09	1.60E-09	2.61E-09	4.13E-09	7.29E-10	4.59E-10	1.71E-08
4884	475863.09	3862377.25	2.69E-05	3.30E-05	2.89E-05	9.33E-09	2.82E-08	1.63E-08	2.00E-08	1.81E-08	8.26E-09	7.24E-09	3.11E-10	7.52E-09	1.66E-09	2.71E-09	4.30E-09	7.58E-10	4.78E-10	1.77E-08
4885	476363.09	3862377.25	2.80E-05	3.43E-05	3.00E-05	9.69E-09	2.93E-08	1.69E-08	2.07E-08	1.88E-08	8.58E-09	7.52E-09	3.24E-10	7.82E-09	1.73E-09	2.82E-09	4.47E-09	7.88E-10	4.96E-10	1.84E-08
4886	476863.09	3862377.25	2.91E-05	3.56E-05	3.12E-05	1.01E-08	3.04E-08	1.76E-08	2.16E-08	1.95E-08	8.92E-09	7.82E-09	3.36E-10	8.12E-09	1.79E-09	2.93E-09	4.64E-09	8.18E-10	5.16E-10	1.92E-08
4887	477363.09	3862377.25	3.03E-05	3.71E-05	3.25E-05	1.05E-08	3.17E-08	1.83E-08	2.25E-08	2.04E-08	9.29E-09	8.14E-09	3.50E-10	8.46E-09	1.87E-09	3.05E-09	4.84E-09	8.52E-10	5.37E-10	1.99E-08
4888	477863.09	3862377.25	2.91E-05	3.57E-05	3.13E-05	1.01E-08	3.05E-08	1.76E-08	2.16E-08	1.96E-08	8.94E-09	7.83E-09	3.37E-10	8.14E-09	1.80E-09	2.93E-09	4.65E-09	8.20E-10	5.17E-10	1.92E-08
4889	478363.09	3862377.25	2.61E-05	3.20E-05	2.81E-05	9.05E-09	2.73E-08	1.58E-08	1.94E-08	1.76E-08	8.02E-09	7.03E-09	3.02E-10	7.30E-09	1.61E-09	2.63E-09	4.18E-09	7.36E-10	4.64E-10	1.72E-08
4890	478863.09	3862377.25	2.76E-05	3.38E-05	2.96E-05	9.57E-09	2.89E-08	1.67E-08	2.05E-08	1.86E-08	8.47E-09	7.43E-09	3.19E-10	7.72E-09	1.70E-09	2.78E-09	4.41E-09	7.77E-10	4.90E-10	1.82E-08
4891	479363.09	3862377.25	3.17E-05	3.88E-05	3.40E-05	1.10E-08	3.31E-08	1.92E-08	2.35E-08	2.13E-08	9.72E-09	8.52E-09	3.66E-10	8.85E-09	1.95E-09	3.19E-09	5.06E-09	8.92E-10	5.62E-10	2.09E-08
4892	479863.09	3862377.25	3.81E-05	4.67E-05	4.09E-05	1.32E-08	3.99E-08	2.31E-08	2.83E-08	2.56E-08	1.17E-08	1.03E-08	4.41E-10	1.07E-08	2.35E-09	3.84E-09	6.09E-09	1.07E-09	6.77E-10	2.51E-08
4893	480363.09	3862377.25	4.04E-05	4.95E-05	4.34E-05	1.40E-08	4.23E-08	2.45E-08	3.00E-08	2.72E-08	1.24E-08	1.09E-08	4.68E-10	1.13E-08	2.49E-09	4.07E-09	6.46E-09	1.14E-09	7.18E-10	2.67E-08
4894	480863.09	3862377.25	4.23E-05	5.18E-05	4.54E-05	1.47E-08	4.42E-08	2.56E-08	3.14E-08	2.84E-08	1.30E-08	1.14E-08	4.89E-10	1.18E-08	2.61E-09	4.26E-09	6.76E-09	1.19E-09	7.51E-10	2.79E-08
4895	481363.09	3862377.25	4.40E-05	5.39E-05	4.73E-05	1.53E-08	4.61E-08	2.67E-08	3.27E-08	2.96E-08	1.35E-08	1.18E-08	5.09E-10	1.23E-08	2.71E-09	4.43E-09	7.03E-09	1.24E-09	7.82E-10	2.90E-08
4896	481863.09	3862377.25	4.57E-05	5.60E-05	4.91E-05	1.58E-08	4.78E-08	2.77E-08	3.39E-08	3.08E-08	1.40E-08	1.23E-08	5.29E-10	1.28E-08	2.82E-09	4.61E-09	7.31E-09	1.29E-09	8.12E-10	3.01E-08
4897	482363.09	3862377.25	4.78E-05	5.85E-05	5.13E-05	1.66E-08	5.00E-08	2.89E-08	3.54E-08	3.21E-08	1.47E-08	1.29E-08	5.53E-10	1.34E-08	2.95E-09	4.81E-09	7.63E-09	1.35E-09	8.48E-10	3.15E-08
4898	482863.09	3862377.25	4.97E-05	6.09E-05	5.34E-05	1.72E-08	5.20E-08	3.01E-08	3.69E-08	3.34E-08	1.53E-08	1.34E-08	5.75E-10	1.39E-08	3.07E-09	5.01E-09	7.94E-09	1.40E-09	8.82E-10	3.28E-08
4899	483363.09	3862377.25	5.14E-05	6.30E-05	5.52E-05	1.78E-08	5.38E-08	3.11E-08	3.81E-08	3.46E-08	1.58E-08	1.38E-08	5.95E-10	1.44E-08	3.17E-09	5.18E-09	8.21E-09	1.45E-09	9.13E-10	3.39E-08
4900	483863.09	3862377.25	5.23E-05	6.40E-05	5.62E-05	1.81E-08	5.47E-08	3.17E-08	3.88E-08	3.52E-08	1.60E-08	1.41E-08	6.05E-10	1.46E-08	3.23E-09	5.27E-09	8.36E-09	1.47E-09	9.28E-10	3.45E-08
4901	484363.09	3862377.25	5.35E-05	6.56E-05	5.75E-05	1.86E-08	5.60E-08	3.24E-08	3.97E-08	3.60E-08	1.64E-08	1.44E-08	6.19E-10	1.50E-08	3.30E-09	5.39E-09	8.55E-09	1.51E-09	9.50E-10	3.53E-08
4902	484863.09	3862377.25	5.32E-05	6.51E-05	5.71E-05	1.84E-08	5.57E-08	3.22E-08	3.95E-08	3.58E-08	1.63E-08	1.43E-08	6.16E-10	1.49E-08	3.28E-09	5.36E-09	8.50E-09	1.50E-09	9.44E-10	3.51E-08
4903	485363.09	3862377.25	5.27E-05	6.46E-05	5.67E-05	1.83E-08	5.52E-08	3.19E-08	3.91E-08	3.55E-08	1.62E-08	1.42E-08	6.10E-10	1.47E-08	3.25E-09	5.31E-09	8.43E-09	1.49E-09	9.37E-10	3.48E-08
4904	485863.09	3862377.25	5.29E-05	6.48E-05	5.68E-05	1.83E-08	5.54E-08	3.21E-08	3.93E-08	3.56E-08	1.62E-08	1.42E-08	6.12E-10	1.48E-08	3.26E-09	5.33E-09	8.46E-09	1.49E-09	9.39E-10	3.49E-08
4905	486363.09	3862377.25	5.26E-05	6.44E-05	5.65E-05	1.82E-08	5.50E-08	3.19E-08	3.90E-08	3.54E-08	1.61E-08	1.42E-08	6.09E-10	1.47E-08	3.24E-09	5.30E-09	8.40E-09	1.48E-09	9.34E-10	3.47E-08
4906	486863.09	3862377.25	5.21E-05	6.38E-05	5.60E-05	1.81E-08	5.45E-08	3.16E-08	3.87E-08	3.50E-08	1.60E-08	1.40E-08	6.03E-10	1.46E-08	3.21E-09	5.25E-09	8.33E-09	1.47E-09	9.25E-10	3.43E-08
4907	487363.09	3862377.25	5.15E-05	6.31E-05	5.53E-05	1.78E-08	5.39E-08	3.12E-08	3.82E-08	3.46E-08	1.58E-08	1.39E-08	5.96E-10	1.44E-08	3.18E-09	5.19E-09	8.23E-09	1.45E-09	9.14E-10	3.39E-08
4908	487863.09	3862377.25	5.10E-05	6.25E-05	5.49E-05	1.77E-08	5.34E-08	3.09E-08	3.79E-08	3.43E-08	1.57E-08	1.37E-08	5.91E-10	1.43E-08	3.15E-09	5.14E-09	8.16E-09	1.44E-09	9.07E-10	3.36E-08
4909	488363.09	3862377.25	5.07E-05	6.21E-05	5.44E-05	1.76E-08	5.30E-08	3.07E-08	3.76E-08	3.41E-08	1.56E-08	1.36E-08	5.87E-10	1.42E-08	3.13E-09	5.11E-09	8.10E-09	1.43E-09	9.00E-10	3.34E-08
4910	488863.09	3862377.25	5.04E-05	6.17E-05	5.41E-05	1.75E-08	5.27E-08	3.05E-08	3.74E-08	3.39E-08	1.55E-08	1.36E-08	5.83E-10	1.41E-08	3.11E-09	5.08E-09	8.05E-09	1.42E-09	8.95E-10	3.32E-08
4911	489363.09	3862377.25	5.02E-05	6.15E-05	5.40E-05	1.74E-08	5.26E-08	3.04E-08	3.73E-08	3.38E-08	1.54E-08	1.35E-08	5.81E-10	1.40E-08	3.10E-09	5.06E-09	8.03E-09	1.41E-09	8.92E-10	3.31E-08
4912	489863.09	3862377.25	5.06E-05	6.19E-05	5.43E-05	1.75E-08	5.29E-08	3.06E-08	3.75E-08	3.40E-08	1.55E-08	1.36E-08	5.85E-10	1.41E-08	3.12E-09	5.09E-09	8.08E-09	1.42E-09	8.98E-10	3.33E-08
4913	490363.09	3862377.25	5.12E-05	6.27E-05	5.50E-05	1.77E-08	5.36E-08	3.10E-08	3.80E-08	3.44E-08	1.57E-08	1.38E-08	5.92E-10	1.43E-08	3.16E-09	5.16E-09	8.18E-09	1.44E-09	9.09E-10	3.37E-08
4914	490863.09	3862377.25	5.15E-05	6.31E-05	5.53E-05	1.79E-08	5.39E-08	3.12E-08	3.82E-08	3.46E-08	1.58E-08	1.39E-08	5.96E-10	1.44E-08	3.18E-09	5.19E-09	8.23E-09	1.45E-09	9.14E-10	3.40E-08
4915	491363.09	3862377.25	5.16E-05	6.31E-05	5.54E-05	1.79E-08	5.39E-08	3.12E-08	3.83E-08	3.47E-08	1.58E-08	1.39E-08	5.97E-10	1.44E-08	3.18E-09	5.19E-09	8.24E-09	1.45E-09	9.15E-10	3.40E-08
4916	491863.09	3862377.25	5.16E-05	6.32E-05	5.54E-05	1.79E-08	5.40E-08	3.13E-08	3.83E-08	3.47E-08	1.58E-08	1.39E-08	5.97E-10	1.44E-08	3.18E-09	5.20E-09	8.25E-09	1.45E-09	9.16E-10	3.40E-08
4917	492363.09	3862377.25	5.25E-05	6.44E-05	5.64E-05	1.82E-08	5.50E-08	3.18E-08	3.90E-08	3.53E-08	1.61E-08	1.41E-08	6.08E-10	1.47E-08	3.24E-09	5.29E-09	8.40E-09	1.48E-09	9.32E-10	3.46E-08
4918	492863.09	3862377.25	5.18E-05	6.34E-05	5.56E-05	1.80E-08	5.42E-08	3.14E-08	3.84E-08	3.48E-08	1.59E-08	1.39E-08	5.99E-10	1.45E-08	3.20E-09	5.22E-09	8.28E-09	1.46E-09	9.19E-10	3.41E-08
4919	493363.09	3862377.25	4.95E-05	6.07E-05	5.32E-05	1.72E-08	5.18E-08	3.00E-08	3.67E-08	3.33E-08	1.52E-08	1.33E-08	5.73E-10	1.38E-08	3.06E-09	4.99E-09	7.91E-09	1.39E-09	8.79E-10	3.26E-08
4920	493863.09	3862377.25	4.76E-05	5.83E-05	5.11E-05	1.65E-08	4.98E-08	2.88E-08	3.53E-08	3.20E-08	1.46E-08	1.28E-08	5.50E-10	1.33E-08	2.93E-09	4.79E-09	7.60E-09	1.34E-09	8.44E-10	3.14E-08
4921	494363.09	3862377.25	4.66E-05	5.71E-05	5.01E-05	1.62E-08	4.88E-08	2.83E-08	3.46E-08	3.14E-08	1.43E-08	1.25E-08	5.40E-10	1.30E-08	2.88E-09	4.70E-09	7.45E-09	1.31E-09	8.28E-10	3.08E-08
4922	494863.09	3862377.25	4.67E-05	5.72E-05	5.01E-05	1.62E-08	4.89E-08	2.83E-08	3.46E-08	3.14E-08	1.43E-08	1.26E-08	5.40E-10	1.31E-08	2.88E-09	4.70E-09	7.46E-09	1.31E-09	8.29E-10	3.08E-08
4923	495363.09	3862377.25	4.69E-05	5.74E-05	5.04E-05	1.63E-08	4.91E-08	2.84E-08	3.48E-08	3.15E-08	1.44E-08	1.26E-08	5.43E-10	1.31E-08	2.89E-09	4.72E-09	7.50E-09	1.32E-09	8.32E-10	3.09E-08
4924	495863.09	3862377.25	4.76E-05	5.83E-05	5.11E-05	1.65E-08	4.98E-08	2.89E-08	3.53E-08	3.20E-08	1.46E-08	1.28E-08	5.51E-10	1.33E-08	2.94E-09	4.80E-09	7.61E-09	1.34E-09	8.45E-10	3.14E-08
4925	496363.09	3862377.25	4.83E-05	5.91E-05	5.18E-05	1.67E-08	5.05E-08	2.92E-08	3.58E-08	3.25E-08	1.48E-08	1.30E-08	5.58E-10	1.35E-08	2.98E-09	4.86E-09	7.71E-09	1.36E-09	8.56E-10	3.18E-08
4926	496863.09	3862377.25	4.92E-05	6.03E-05	5.28E-05	1.71E-08	5.15E-08	2.98E-08	3.65E-08	3.31E-08	1.51E-08	1.32E-08	5.70E-10	1.38E-08	3.04E-09	4.96E-09	7.87E-09	1.39E-09	8.73E-10	3.24E-08
4927	497363.09	3862377.25	4.89E-05	5.99E-05	5.25E-05	1.70E-08	5.12E-08	2.96E-08	3.63E-08	3.29E-08	1.50E-08	1.32E-08	5.66E-10	1.37E-08	3.02E-09	4.93E-09	7.82E-09	1.38E-09	8.68E-10	3.23E-08
4928	497863.09	3862377.25	4.85E-05	5.93E-05	5.20E-05	1.68E-08	5.07E-08	2.94E-08	3.59E-08	3.26E-08	1.49E-08	1.30E-08	5.61E-10	1.35E-08	2.99E-09	4.88E-09	7.74E-09	1.36E-09	8.60E-10	3.19E-08
4929	498363.09	3862377.25	4.75E-05	5.81E-05	5.10E-05	1.64E-08	4.97E-08	2.88E-08	3.52E-08	3.19E-08	1.46E-08	1.28E-08	5.49E-10	1.33E-08	2.93E-09	4.78E-09	7.58E-09	1.34E-09	8.42E-10	3.13E-08
4930	471363.09	3862877.25	1.83E-05	2.24E-05	1.97E-05	6.34E-09	1.92E-08	1.11E-08	1.36E-08	1.23E-08	5.62E-09	4.93E-09	2.12E-10	5.12E-09	1.13E-09	1.84E-09	2.93E-09	5.16E-10	3.25E-10	1.21E-08
4931	471863.09	3862877.25	1.89E-05	2.32E-05	2.03E-05	6.56E-09	1.98E-08	1.15E-08	1.40E-08	1.27E-08	5.81E-09	5.09E-09	2.19E-10	5.29E-09	1.17E-09	1.91E-09	3.02E-09	5.33E-10	3.36E-10	1.25E-08
4932	472363.09	3862877.25	1.96E-05	2.40E-05	2.10E-05	6.78E-09	2.05E-08	1.19E-08	1.45E-08	1.32E-08	6.01E-09	5.27E-09	2.26E-10	5.47E-09	1.21E-09	1.97E-09	3.13E-09	5.51E-10	3.47E-10	1.29E-08
4933	472863.09	3862877.25	2.03E-05	2.48E-05	2.18E-05	7.03E-09	2.12E-08	1.23E-08	1.51E-08	1.36E-08	6.23E-09	5.46E-09	2.35E-10	5.67E-09	1.25E-09	2.04E-09	3.24E-09	5.71E-10	3.60E-10	1.34E-08
4934	473363.09	3862877.25	2.10E-05	2.57E-05	2.26E-05	7.29E-09	2.20E-08	1.27E-08	1.56E-08	1.41E-08	6.45E-09	5.66E-09	2.43E-10	5.88E-09	1.30E-09	2.12E-09	3.36E-09	5.92E-10	3.73E-10	1.39E-08

4935	473863.09	3862877.25	2.18E-05	2.67E-05	2.34E-05	7.56E-09	2.28E-08	1.32E-08	1.62E-08	1.47E-08	6.70E-09	5.87E-09	2.53E-10	6.10E-09	1.35E-09	2.20E-09	3.49E-09	6.15E-10	3.87E-10	1.44E-08
4936	474363.09	3862877.25	2.26E-05	2.77E-05	2.43E-05	7.85E-09	2.37E-08	1.37E-08	1.68E-08	1.52E-08	6.95E-09	6.09E-09	2.62E-10	6.33E-09	1.40E-09	2.28E-09	3.62E-09	6.38E-10	4.02E-10	1.49E-08
4937	474863.09	3862877.25	2.35E-05	2.88E-05	2.53E-05	8.15E-09	2.46E-08	1.42E-08	1.74E-08	1.58E-08	7.22E-09	6.33E-09	2.72E-10	6.57E-09	1.45E-09	2.37E-09	3.76E-09	6.62E-10	4.17E-10	1.55E-08
4938	475363.09	3862877.25	2.43E-05	2.98E-05	2.61E-05	8.43E-09	2.55E-08	1.47E-08	1.81E-08	1.64E-08	7.47E-09	6.55E-09	2.82E-10	6.80E-09	1.50E-09	2.45E-09	3.89E-09	6.85E-10	4.32E-10	1.60E-08
4939	475863.09	3862877.25	2.52E-05	3.09E-05	2.71E-05	8.73E-09	2.64E-08	1.53E-08	1.87E-08	1.69E-08	7.73E-09	6.78E-09	2.92E-10	7.04E-09	1.55E-09	2.54E-09	4.03E-09	7.10E-10	4.47E-10	1.66E-08
4940	476363.09	3862877.25	2.61E-05	3.20E-05	2.80E-05	9.05E-09	2.73E-08	1.58E-08	1.94E-08	1.76E-08	8.02E-09	7.03E-09	3.02E-10	7.30E-09	1.61E-09	2.63E-09	4.17E-09	7.36E-10	4.63E-10	1.72E-08
4941	476863.09	3862877.25	2.72E-05	3.33E-05	2.92E-05	9.43E-09	2.85E-08	1.65E-08	2.02E-08	1.83E-08	8.35E-09	7.32E-09	3.15E-10	7.60E-09	1.68E-09	2.74E-09	4.35E-09	7.66E-10	4.83E-10	1.79E-08
4942	477363.09	3862877.25	2.84E-05	3.48E-05	3.05E-05	9.84E-09	2.97E-08	1.72E-08	2.11E-08	1.91E-08	8.72E-09	7.64E-09	3.29E-10	7.94E-09	1.75E-09	2.86E-09	4.54E-09	8.00E-10	5.04E-10	1.87E-08
4943	477863.09	3862877.25	2.89E-05	3.53E-05	3.10E-05	1.00E-08	3.02E-08	1.75E-08	2.14E-08	1.94E-08	8.86E-09	7.77E-09	3.34E-10	8.07E-09	1.78E-09	2.91E-09	4.61E-09	8.13E-10	5.12E-10	1.90E-08
4944	478363.09	3862877.25	2.74E-05	3.36E-05	2.94E-05	9.50E-09	2.87E-08	1.66E-08	2.03E-08	1.84E-08	8.41E-09	7.38E-09	3.17E-10	7.66E-09	1.69E-09	2.76E-09	4.38E-09	7.72E-10	4.86E-10	1.81E-08
4945	478863.09	3862877.25	2.88E-05	3.53E-05	3.09E-05	9.98E-09	3.01E-08	1.74E-08	2.14E-08	1.94E-08	8.84E-09	7.75E-09	3.33E-10	8.05E-09	1.78E-09	2.90E-09	4.60E-09	8.11E-10	5.11E-10	1.90E-08
4946	479363.09	3862877.25	3.08E-05	3.77E-05	3.30E-05	1.07E-08	3.22E-08	1.86E-08	2.28E-08	2.07E-08	9.44E-09	8.28E-09	3.56E-10	8.60E-09	1.90E-09	3.10E-09	4.92E-09	8.67E-10	5.46E-10	2.03E-08
4947	479863.09	3862877.25	3.57E-05	4.37E-05	3.83E-05	1.24E-08	3.73E-08	2.16E-08	2.65E-08	2.40E-08	1.09E-08	9.60E-09	4.13E-10	9.97E-09	2.20E-09	3.59E-09	5.70E-09	1.00E-09	6.33E-10	2.35E-08
4948	480363.09	3862877.25	3.71E-05	4.54E-05	3.99E-05	1.29E-08	3.88E-08	2.25E-08	2.75E-08	2.50E-08	1.14E-08	9.99E-09	4.29E-10	1.04E-08	2.29E-09	3.74E-09	5.93E-09	1.04E-09	6.59E-10	2.45E-08
4949	480863.09	3862877.25	3.86E-05	4.73E-05	4.15E-05	1.34E-08	4.04E-08	2.34E-08	2.86E-08	2.60E-08	1.18E-08	1.04E-08	4.47E-10	1.08E-08	2.38E-09	3.89E-09	6.17E-09	1.09E-09	6.85E-10	2.54E-08
4950	481363.09	3862877.25	3.97E-05	4.87E-05	4.27E-05	1.38E-08	4.16E-08	2.41E-08	2.95E-08	2.67E-08	1.22E-08	1.07E-08	4.60E-10	1.11E-08	2.45E-09	4.00E-09	6.35E-09	1.12E-09	7.06E-10	2.62E-08
4951	481863.09	3862877.25	4.17E-05	5.11E-05	4.48E-05	1.45E-08	4.36E-08	2.53E-08	3.09E-08	2.80E-08	1.28E-08	1.12E-08	4.83E-10	1.17E-08	2.57E-09	4.20E-09	6.66E-09	1.17E-09	7.41E-10	2.75E-08
4952	482363.09	3862877.25	4.30E-05	5.26E-05	4.62E-05	1.49E-08	4.50E-08	2.60E-08	3.19E-08	2.89E-08	1.32E-08	1.16E-08	4.97E-10	1.20E-08	2.65E-09	4.33E-09	6.87E-09	1.21E-09	7.63E-10	2.83E-08
4953	482863.09	3862877.25	4.46E-05	5.46E-05	4.79E-05	1.55E-08	4.67E-08	2.70E-08	3.31E-08	3.00E-08	1.37E-08	1.20E-08	5.16E-10	1.25E-08	2.75E-09	4.49E-09	7.13E-09	1.26E-09	7.92E-10	2.94E-08
4954	483363.09	3862877.25	4.58E-05	5.60E-05	4.92E-05	1.59E-08	4.79E-08	2.77E-08	3.40E-08	3.08E-08	1.40E-08	1.23E-08	5.30E-10	1.28E-08	2.82E-09	4.61E-09	7.31E-09	1.29E-09	8.12E-10	3.02E-08
4955	483863.09	3862877.25	4.65E-05	5.70E-05	5.00E-05	1.61E-08	4.87E-08	2.82E-08	3.45E-08	3.13E-08	1.43E-08	1.25E-08	5.38E-10	1.30E-08	2.87E-09	4.69E-09	7.44E-09	1.31E-09	8.26E-10	3.07E-08
4956	484363.09	3862877.25	4.72E-05	5.78E-05	5.07E-05	1.63E-08	4.94E-08	2.86E-08	3.50E-08	3.17E-08	1.45E-08	1.27E-08	5.46E-10	1.32E-08	2.91E-09	4.75E-09	7.54E-09	1.33E-09	8.37E-10	3.11E-08
4957	484863.09	3862877.25	4.66E-05	5.71E-05	5.01E-05	1.62E-08	4.88E-08	2.82E-08	3.46E-08	3.14E-08	1.43E-08	1.26E-08	5.40E-10	1.30E-08	2.88E-09	4.70E-09	7.45E-09	1.31E-09	8.28E-10	3.07E-08
4958	485363.09	3862877.25	4.65E-05	5.69E-05	4.99E-05	1.61E-08	4.86E-08	2.82E-08	3.45E-08	3.13E-08	1.43E-08	1.25E-08	5.38E-10	1.30E-08	2.87E-09	4.68E-09	7.43E-09	1.31E-09	8.25E-10	3.06E-08
4959	485863.09	3862877.25	4.62E-05	5.66E-05	4.97E-05	1.60E-08	4.84E-08	2.80E-08	3.43E-08	3.11E-08	1.42E-08	1.24E-08	5.35E-10	1.29E-08	2.85E-09	4.66E-09	7.39E-09	1.30E-09	8.21E-10	3.05E-08
4960	486363.09	3862877.25	4.63E-05	5.67E-05	4.97E-05	1.60E-08	4.84E-08	2.80E-08	3.43E-08	3.11E-08	1.42E-08	1.25E-08	5.36E-10	1.29E-08	2.85E-09	4.66E-09	7.40E-09	1.30E-09	8.22E-10	3.05E-08
4961	486863.09	3862877.25	4.55E-05	5.57E-05	4.89E-05	1.58E-08	4.76E-08	2.76E-08	3.38E-08	3.06E-08	1.40E-08	1.22E-08	5.26E-10	1.27E-08	2.81E-09	4.58E-09	7.27E-09	1.28E-09	8.08E-10	3.00E-08
4962	487363.09	3862877.25	4.51E-05	5.52E-05	4.84E-05	1.56E-08	4.72E-08	2.73E-08	3.34E-08	3.03E-08	1.38E-08	1.21E-08	5.22E-10	1.26E-08	2.78E-09	4.54E-09	7.20E-09	1.27E-09	8.00E-10	2.97E-08
4963	487863.09	3862877.25	4.47E-05	5.47E-05	4.80E-05	1.55E-08	4.68E-08	2.71E-08	3.32E-08	3.01E-08	1.37E-08	1.20E-08	5.17E-10	1.25E-08	2.76E-09	4.50E-09	7.14E-09	1.26E-09	7.94E-10	2.95E-08
4964	488363.09	3862877.25	4.45E-05	5.45E-05	4.78E-05	1.54E-08	4.66E-08	2.70E-08	3.30E-08	2.99E-08	1.37E-08	1.20E-08	5.15E-10	1.24E-08	2.74E-09	4.48E-09	7.11E-09	1.25E-09	7.90E-10	2.93E-08
4965	488863.09	3862877.25	4.42E-05	5.41E-05	4.74E-05	1.53E-08	4.62E-08	2.68E-08	3.28E-08	2.97E-08	1.36E-08	1.19E-08	5.11E-10	1.23E-08	2.72E-09	4.45E-09	7.06E-09	1.24E-09	7.84E-10	2.91E-08
4966	489363.09	3862877.25	4.39E-05	5.37E-05	4.71E-05	1.52E-08	4.59E-08	2.66E-08	3.25E-08	2.95E-08	1.35E-08	1.18E-08	5.08E-10	1.23E-08	2.71E-09	4.42E-09	7.01E-09	1.24E-09	7.79E-10	2.89E-08
4967	489863.09	3862877.25	4.40E-05	5.38E-05	4.72E-05	1.52E-08	4.60E-08	2.66E-08	3.26E-08	2.96E-08	1.35E-08	1.18E-08	5.09E-10	1.23E-08	2.71E-09	4.43E-09	7.03E-09	1.24E-09	7.81E-10	2.90E-08
4968	490363.09	3862877.25	4.43E-05	5.43E-05	4.76E-05	1.54E-08	4.64E-08	2.69E-08	3.29E-08	2.98E-08	1.36E-08	1.19E-08	5.13E-10	1.24E-08	2.73E-09	4.47E-09	7.08E-09	1.25E-09	7.87E-10	2.92E-08
4969	490863.09	3862877.25	4.48E-05	5.48E-05	4.81E-05	1.55E-08	4.68E-08	2.71E-08	3.32E-08	3.01E-08	1.37E-08	1.20E-08	5.18E-10	1.25E-08	2.76E-09	4.51E-09	7.15E-09	1.26E-09	7.95E-10	2.95E-08
4970	491363.09	3862877.25	4.55E-05	5.57E-05	4.88E-05	1.58E-08	4.76E-08	2.75E-08	3.37E-08	3.06E-08	1.40E-08	1.22E-08	5.26E-10	1.27E-08	2.80E-09	4.58E-09	7.27E-09	1.28E-09	8.07E-10	3.00E-08
4971	491863.09	3862877.25	4.49E-05	5.50E-05	4.82E-05	1.56E-08	4.70E-08	2.72E-08	3.33E-08	3.02E-08	1.38E-08	1.21E-08	5.20E-10	1.26E-08	2.77E-09	4.52E-09	7.18E-09	1.26E-09	7.97E-10	2.96E-08
4972	492363.09	3862877.25	4.52E-05	5.54E-05	4.86E-05	1.57E-08	4.73E-08	2.74E-08	3.36E-08	3.04E-08	1.39E-08	1.22E-08	5.23E-10	1.26E-08	2.79E-09	4.56E-09	7.23E-09	1.27E-09	8.03E-10	2.98E-08
4973	492863.09	3862877.25	4.59E-05	5.62E-05	4.93E-05	1.59E-08	4.81E-08	2.78E-08	3.41E-08	3.09E-08	1.41E-08	1.24E-08	5.31E-10	1.28E-08	2.83E-09	4.63E-09	7.34E-09	1.29E-09	8.15E-10	3.03E-08
4974	493363.09	3862877.25	4.56E-05	5.59E-05	4.90E-05	1.58E-08	4.77E-08	2.76E-08	3.39E-08	3.07E-08	1.40E-08	1.23E-08	5.28E-10	1.28E-08	2.81E-09	4.60E-09	7.29E-09	1.29E-09	8.10E-10	3.01E-08
4975	493863.09	3862877.25	4.40E-05	5.39E-05	4.73E-05	1.53E-08	4.61E-08	2.67E-08	3.27E-08	2.96E-08	1.35E-08	1.18E-08	5.09E-10	1.23E-08	2.71E-09	4.43E-09	7.03E-09	1.24E-09	7.81E-10	2.90E-08
4976	494363.09	3862877.25	4.22E-05	5.16E-05	4.53E-05	1.46E-08	4.41E-08	2.55E-08	3.13E-08	2.84E-08	1.29E-08	1.13E-08	4.88E-10	1.18E-08	2.60E-09	4.25E-09	6.74E-09	1.19E-09	7.48E-10	2.78E-08
4977	494863.09	3862877.25	4.08E-05	5.00E-05	4.38E-05	1.41E-08	4.27E-08	2.47E-08	3.03E-08	2.74E-08	1.25E-08	1.10E-08	4.72E-10	1.14E-08	2.52E-09	4.11E-09	6.52E-09	1.15E-09	7.24E-10	2.69E-08
4978	495363.09	3862877.25	4.04E-05	4.95E-05	4.34E-05	1.40E-08	4.23E-08	2.45E-08	3.00E-08	2.72E-08	1.24E-08	1.09E-08	4.67E-10	1.13E-08	2.49E-09	4.07E-09	6.45E-09	1.14E-09	7.17E-10	2.66E-08
4979	495863.09	3862877.25	4.06E-05	4.97E-05	4.36E-05	1.41E-08	4.25E-08	2.46E-08	3.01E-08	2.73E-08	1.24E-08	1.09E-08	4.69E-10	1.13E-08	2.50E-09	4.09E-09	6.48E-09	1.14E-09	7.20E-10	2.67E-08
4980	496363.09	3862877.25	4.11E-05	5.03E-05	4.41E-05	1.42E-08	4.30E-08	2.49E-08	3.05E-08	2.76E-08	1.26E-08	1.10E-08	4.75E-10	1.15E-08	2.53E-09	4.14E-09	6.56E-09	1.16E-09	7.29E-10	2.71E-08
4981	496863.09	3862877.25	4.17E-05	5.10E-05	4.47E-05	1.44E-08	4.36E-08	2.52E-08	3.09E-08	2.80E-08	1.28E-08	1.12E-08	4.82E-10	1.16E-08	2.57E-09	4.20E-09	6.66E-09	1.17E-09	7.39E-10	2.75E-08
4982	497363.09	3862877.25	4.21E-05	5.15E-05	4.51E-05	1.46E-08	4.40E-08	2.55E-08	3.12E-08	2.83E-08	1.29E-08	1.13E-08	4.87E-10	1.18E-08	2.59E-09	4.24E-09	6.72E-09	1.18E-09	7.46E-10	2.77E-08
4983	497863.09	3862877.25	4.23E-05	5.18E-05	4.54E-05	1.47E-08	4.43E-08	2.56E-08	3.14E-08	2.85E-08	1.30E-08	1.14E-08	4.90E-10	1.18E-08	2.61E-09	4.26E-09	6.76E-09	1.19E-09	7.51E-10	2.79E-08
4984	498363.09	3862877.25	4.24E-05	5.20E-05	4.55E-05	1.47E-08	4.44E-08	2.57E-08	3.15E-08	2.85E-08	1.30E-08	1.14E-08	4.91E-10	1.19E-08	2.62E-09	4.27E-09	6.78E-09	1.19E-09	7.53E-10	2.80E-08
4985	471363.09	3863377.25	1.76E-05	2.15E-05	1.89E-05	6.09E-09	1.84E-08	1.06E-08	1.30E-08	1.18E-08	5.39E-09	4.73E-09	2.03E-10	4.91E-09	1.08E-09	1.77E-09	2.81E-09	4.95E-10	3.12E-10	1.16E-08
4986	471863.09	3863377.25	1.81E-05	2.22E-05	1.95E-05	6.28E-09	1.90E-08	1.10E-08	1.35E-08	1.22E-08	5.57E-09	4.88E-09	2.10E-10	5.07E-09	1.12E-09	1.83E-09	2.90E-09	5.11E-10	3.22E-10	1.20E-08
4987	472363.09	3863377.25	1.88E-05	2.30E-05	2.01E-05	6.50E-09	1.96E-08	1.14E-08	1.39E-08	1.26E-08	5.76E-09	5.05E-09	2.17E-10	5.24E-09	1.16E-09	1.89E-09	3.00E-09	5.28E-10	3.33E-10	1.24E-08
4988	472863.09	3863377.25	1.94E-05	2.37E-05	2.08E-05	6.71E-09	2.03E-08	1.17E-08	1.44E-08	1.30E-08	5.94E-09	5.21E-09	2.24E-10	5.41E-09	1.19E-09	1.95E-09	3.09E-09	5.45E-10	3.44E-10	1.28E-08
4989	473363.09	3863377.25	2.00E-05	2.45E-05	2.15E-05	6.93E-09	2.09E-08	1.21E-08	1.48E-08	1.35E-08	6.14E-09	5.38E-09	2.32E-10	5.59E-09	1.23E-09	2.02E-09	3.20E-09	5.63E-10	3.55E-10	1.32E-08
4990	473863.09	3863377.25	2.07E-05	2.54E-05	2.22E-05	7.17E-09	2.17E-08	1.25E-08	1.54E-08	1.39E-08	6.35E-09	5.57E-09	2.40E-10	5.79E-09	1.28E-09	2.09E-09	3.31E-09	5.83E-10	3.67E-10	1.36E-08
4991	474363.09	3863377.25	2.14E-05	2.62E-05	2.30E-05	7.42E-09	2.24E-08	1.30E-08	1.59E-08	1.44E-08	6.57E-09	5.76E-09	2.48E-10	5.98E-09	1.32E-09	2.16E-09	3.42E-09	6.03E-10	3.80E-10	1.41E-08
4992	474863.09	3863377.25	2.20E-05	2.70E-05	2.37E-05	7.63E-09	2.31E-08	1.33E-08	1.63E-08	1.48E-08	6.76E-09	5.93E-09	2.55E-10	6.16E-09	1.36E-09	2.22E-09	3.52E-09	6.20E-10	3.91E-10	1.45E-08
4993	475363.09	3863377.25	2.28E-05	2.79E-05	2.44E-05	7.89E-09	2.38E-08	1.38E-08	1.69E-08	1.53E-08	6.98E-09	6.12E-09	2.63E-10	6.36E-09	1.40E-09	2.29E-09	3.64E-09	6.41E-10	4.04E-10	1.50E-08
4994	475863.09	3863377.25	2.35E-05	2.88E-05	2.52E-05	8.15E-09	2.46E-08	1.42E-08	1.74E-08	1.58E-08	7.22E-09	6.33E-09	2.72E-10	6.57E-09	1.45E-09	2.37E-09	3.76E-09	6.62E-10	4.17E-10	1.55E-08
4995	476363.09	3863377.25	2.43E-05	2.98E-05	2.61E-05	8.44E-09	2.55E-08	1.47E-08	1.81E-08	1.64E-08	7.47E-09	6.55E-09	2.82E-10	6.81E-09	1.50E-09	2.45E-09	3.89E-09	6.86E-10	4.32E-10	1.61E-08

4996	476863.09	3863377.25	2.53E-05	3.10E-05	2.72E-05	8.78E-09	2.65E-08	1.53E-08	1.88E-08	1.70E-08	7.77E-09	6.81E-09	2.93E-10	7.08E-09	1.56E-09	2.55E-09	4.05E-09	7.13E-10	4.49E-10	1.67E-08
4997	477363.09	3863377.25	2.65E-05	3.24E-05	2.84E-05	9.17E-09	2.77E-08	1.60E-08	1.96E-08	1.78E-08	8.12E-09	7.13E-09	3.06E-10	7.40E-09	1.63E-09	2.67E-09	4.23E-09	7.46E-10	4.70E-10	1.75E-08
4998	477863.09	3863377.25	2.76E-05	3.38E-05	2.96E-05	9.55E-09	2.88E-08	1.67E-08	2.04E-08	1.85E-08	8.46E-09	7.42E-09	3.19E-10	7.70E-09	1.70E-09	2.78E-09	4.40E-09	7.76E-10	4.89E-10	1.82E-08
4999	478363.09	3863377.25	2.80E-05	3.43E-05	3.01E-05	9.71E-09	2.93E-08	1.70E-08	2.08E-08	1.88E-08	8.60E-09	7.54E-09	3.24E-10	7.83E-09	1.73E-09	2.82E-09	4.48E-09	7.89E-10	4.98E-10	1.85E-08
5000	478863.09	3863377.25	2.97E-05	3.64E-05	3.19E-05	1.03E-08	3.11E-08	1.80E-08	2.20E-08	2.00E-08	9.12E-09	8.00E-09	3.44E-10	8.31E-09	1.83E-09	2.99E-09	4.75E-09	8.37E-10	5.28E-10	1.96E-08
5001	479363.09	3863377.25	3.16E-05	3.88E-05	3.40E-05	1.10E-08	3.31E-08	1.92E-08	2.35E-08	2.13E-08	9.71E-09	8.51E-09	3.66E-10	8.84E-09	1.95E-09	3.19E-09	5.06E-09	8.91E-10	5.62E-10	2.09E-08
5002	479863.09	3863377.25	3.27E-05	4.01E-05	3.51E-05	1.13E-08	3.42E-08	1.98E-08	2.43E-08	2.20E-08	1.00E-08	8.80E-09	3.79E-10	9.14E-09	2.02E-09	3.29E-09	5.23E-09	9.21E-10	5.81E-10	2.16E-08
5003	480363.09	3863377.25	3.39E-05	4.15E-05	3.64E-05	1.17E-08	3.55E-08	2.05E-08	2.51E-08	2.28E-08	1.04E-08	9.12E-09	3.92E-10	9.47E-09	2.09E-09	3.41E-09	5.42E-09	9.55E-10	6.02E-10	2.23E-08
5004	480863.09	3863377.25	3.51E-05	4.30E-05	3.78E-05	1.22E-08	3.68E-08	2.13E-08	2.61E-08	2.36E-08	1.08E-08	9.46E-09	4.07E-10	9.82E-09	2.17E-09	3.54E-09	5.61E-09	9.89E-10	6.24E-10	2.32E-08
5005	481363.09	3863377.25	3.61E-05	4.42E-05	3.88E-05	1.25E-08	3.78E-08	2.19E-08	2.68E-08	2.43E-08	1.11E-08	9.72E-09	4.18E-10	1.01E-08	2.23E-09	3.64E-09	5.77E-09	1.02E-09	6.41E-10	2.38E-08
5006	481863.09	3863377.25	3.75E-05	4.60E-05	4.03E-05	1.30E-08	3.93E-08	2.27E-08	2.78E-08	2.52E-08	1.15E-08	1.01E-08	4.34E-10	1.05E-08	2.32E-09	3.78E-09	6.00E-09	1.06E-09	6.66E-10	2.47E-08
5007	482363.09	3863377.25	3.90E-05	4.78E-05	4.19E-05	1.35E-08	4.08E-08	2.36E-08	2.89E-08	2.62E-08	1.20E-08	1.05E-08	4.51E-10	1.09E-08	2.40E-09	3.93E-09	6.23E-09	1.10E-09	6.92E-10	2.57E-08
5008	482863.09	3863377.25	4.00E-05	4.89E-05	4.29E-05	1.38E-08	4.18E-08	2.42E-08	2.96E-08	2.69E-08	1.23E-08	1.08E-08	4.62E-10	1.12E-08	2.46E-09	4.02E-09	6.38E-09	1.13E-09	7.09E-10	2.63E-08
5009	483363.09	3863377.25	4.08E-05	5.00E-05	4.38E-05	1.41E-08	4.27E-08	2.47E-08	3.03E-08	2.75E-08	1.25E-08	1.10E-08	4.72E-10	1.14E-08	2.52E-09	4.11E-09	6.52E-09	1.15E-09	7.25E-10	2.69E-08
5010	483863.09	3863377.25	4.15E-05	5.08E-05	4.45E-05	1.44E-08	4.34E-08	2.51E-08	3.08E-08	2.79E-08	1.27E-08	1.12E-08	4.80E-10	1.16E-08	2.56E-09	4.18E-09	6.63E-09	1.17E-09	7.36E-10	2.73E-08
5011	484363.09	3863377.25	4.16E-05	5.10E-05	4.47E-05	1.44E-08	4.36E-08	2.52E-08	3.09E-08	2.80E-08	1.28E-08	1.12E-08	4.82E-10	1.16E-08	2.57E-09	4.20E-09	6.66E-09	1.17E-09	7.39E-10	2.75E-08
5012	484863.09	3863377.25	4.16E-05	5.09E-05	4.47E-05	1.44E-08	4.35E-08	2.52E-08	3.08E-08	2.80E-08	1.28E-08	1.12E-08	4.81E-10	1.16E-08	2.56E-09	4.19E-09	6.64E-09	1.17E-09	7.38E-10	2.74E-08
5013	485363.09	3863377.25	4.11E-05	5.04E-05	4.42E-05	1.43E-08	4.30E-08	2.49E-08	3.05E-08	2.77E-08	1.26E-08	1.11E-08	4.76E-10	1.15E-08	2.54E-09	4.14E-09	6.57E-09	1.16E-09	7.30E-10	2.71E-08
5014	485863.09	3863377.25	4.10E-05	5.02E-05	4.40E-05	1.42E-08	4.29E-08	2.48E-08	3.04E-08	2.75E-08	1.26E-08	1.10E-08	4.74E-10	1.14E-08	2.53E-09	4.13E-09	6.54E-09	1.15E-09	7.27E-10	2.70E-08
5015	486363.09	3863377.25	4.07E-05	4.99E-05	4.37E-05	1.41E-08	4.26E-08	2.47E-08	3.02E-08	2.74E-08	1.25E-08	1.10E-08	4.71E-10	1.14E-08	2.51E-09	4.10E-09	6.51E-09	1.15E-09	7.23E-10	2.68E-08
5016	486863.09	3863377.25	4.04E-05	4.95E-05	4.34E-05	1.40E-08	4.23E-08	2.45E-08	3.00E-08	2.72E-08	1.24E-08	1.09E-08	4.68E-10	1.13E-08	2.49E-09	4.07E-09	6.46E-09	1.14E-09	7.17E-10	2.66E-08
5017	487363.09	3863377.25	4.00E-05	4.90E-05	4.30E-05	1.39E-08	4.19E-08	2.42E-08	2.97E-08	2.69E-08	1.23E-08	1.08E-08	4.63E-10	1.12E-08	2.47E-09	4.03E-09	6.40E-09	1.13E-09	7.11E-10	2.64E-08
5018	487863.09	3863377.25	3.96E-05	4.85E-05	4.25E-05	1.37E-08	4.14E-08	2.40E-08	2.94E-08	2.66E-08	1.21E-08	1.07E-08	4.58E-10	1.11E-08	2.44E-09	3.99E-09	6.32E-09	1.11E-09	7.03E-10	2.61E-08
5019	488363.09	3863377.25	3.94E-05	4.82E-05	4.23E-05	1.37E-08	4.12E-08	2.39E-08	2.92E-08	2.65E-08	1.21E-08	1.06E-08	4.56E-10	1.10E-08	2.43E-09	3.97E-09	6.30E-09	1.11E-09	7.00E-10	2.60E-08
5020	488863.09	3863377.25	3.92E-05	4.80E-05	4.21E-05	1.36E-08	4.10E-08	2.37E-08	2.91E-08	2.64E-08	1.20E-08	1.05E-08	4.53E-10	1.10E-08	2.42E-09	3.95E-09	6.26E-09	1.10E-09	6.96E-10	2.58E-08
5021	489363.09	3863377.25	3.88E-05	4.75E-05	4.17E-05	1.34E-08	4.06E-08	2.35E-08	2.88E-08	2.61E-08	1.19E-08	1.04E-08	4.49E-10	1.08E-08	2.39E-09	3.91E-09	6.20E-09	1.09E-09	6.88E-10	2.56E-08
5022	489863.09	3863377.25	3.87E-05	4.73E-05	4.15E-05	1.34E-08	4.04E-08	2.34E-08	2.87E-08	2.60E-08	1.19E-08	1.04E-08	4.47E-10	1.08E-08	2.38E-09	3.89E-09	6.18E-09	1.09E-09	6.86E-10	2.55E-08
5023	490363.09	3863377.25	3.88E-05	4.76E-05	4.17E-05	1.35E-08	4.06E-08	2.35E-08	2.88E-08	2.61E-08	1.19E-08	1.05E-08	4.49E-10	1.09E-08	2.40E-09	3.91E-09	6.21E-09	1.09E-09	6.89E-10	2.56E-08
5024	490863.09	3863377.25	3.94E-05	4.83E-05	4.23E-05	1.37E-08	4.13E-08	2.39E-08	2.93E-08	2.65E-08	1.21E-08	1.06E-08	4.56E-10	1.10E-08	2.43E-09	3.97E-09	6.30E-09	1.11E-09	7.00E-10	2.60E-08
5025	491363.09	3863377.25	3.96E-05	4.85E-05	4.25E-05	1.37E-08	4.14E-08	2.40E-08	2.94E-08	2.66E-08	1.22E-08	1.07E-08	4.58E-10	1.11E-08	2.44E-09	3.99E-09	6.33E-09	1.12E-09	7.03E-10	2.61E-08
5026	491863.09	3863377.25	3.97E-05	4.87E-05	4.27E-05	1.38E-08	4.16E-08	2.41E-08	2.95E-08	2.67E-08	1.22E-08	1.07E-08	4.60E-10	1.11E-08	2.45E-09	4.00E-09	6.35E-09	1.12E-09	7.05E-10	2.62E-08
5027	492363.09	3863377.25	4.02E-05	4.92E-05	4.31E-05	1.39E-08	4.20E-08	2.43E-08	2.98E-08	2.70E-08	1.23E-08	1.08E-08	4.65E-10	1.12E-08	2.48E-09	4.05E-09	6.42E-09	1.13E-09	7.13E-10	2.65E-08
5028	492863.09	3863377.25	4.13E-05	5.06E-05	4.43E-05	1.43E-08	4.32E-08	2.50E-08	3.06E-08	2.78E-08	1.27E-08	1.11E-08	4.78E-10	1.15E-08	2.55E-09	4.16E-09	6.60E-09	1.16E-09	7.33E-10	2.72E-08
5029	493363.09	3863377.25	4.26E-05	5.22E-05	4.57E-05	1.48E-08	4.46E-08	2.58E-08	3.16E-08	2.86E-08	1.31E-08	1.15E-08	4.93E-10	1.19E-08	2.63E-09	4.29E-09	6.80E-09	1.20E-09	7.56E-10	2.81E-08
5030	493863.09	3863377.25	4.22E-05	5.17E-05	4.54E-05	1.46E-08	4.42E-08	2.56E-08	3.13E-08	2.84E-08	1.30E-08	1.14E-08	4.89E-10	1.18E-08	2.61E-09	4.26E-09	6.75E-09	1.19E-09	7.50E-10	2.79E-08
5031	494363.09	3863377.25	4.03E-05	4.93E-05	4.32E-05	1.40E-08	4.21E-08	2.44E-08	2.99E-08	2.71E-08	1.24E-08	1.08E-08	4.66E-10	1.13E-08	2.48E-09	4.06E-09	6.43E-09	1.13E-09	7.15E-10	2.65E-08
5032	494863.09	3863377.25	3.87E-05	4.74E-05	4.15E-05	1.34E-08	4.05E-08	2.34E-08	2.87E-08	2.60E-08	1.19E-08	1.04E-08	4.48E-10	1.08E-08	2.39E-09	3.90E-09	6.18E-09	1.09E-09	6.86E-10	2.55E-08
5033	495363.09	3863377.25	3.79E-05	4.64E-05	4.07E-05	1.31E-08	3.96E-08	2.29E-08	2.81E-08	2.55E-08	1.16E-08	1.02E-08	4.38E-10	1.06E-08	2.34E-09	3.82E-09	6.05E-09	1.07E-09	6.72E-10	2.50E-08
5034	495863.09	3863377.25	3.75E-05	4.60E-05	4.03E-05	1.30E-08	3.93E-08	2.27E-08	2.79E-08	2.53E-08	1.15E-08	1.01E-08	4.35E-10	1.05E-08	2.32E-09	3.78E-09	6.00E-09	1.06E-09	6.66E-10	2.48E-08
5035	496363.09	3863377.25	3.62E-05	4.43E-05	3.89E-05	1.25E-08	3.79E-08	2.19E-08	2.68E-08	2.43E-08	1.11E-08	9.74E-09	4.19E-10	1.01E-08	2.23E-09	3.65E-09	5.78E-09	1.02E-09	6.42E-10	2.39E-08
5036	496863.09	3863377.25	3.57E-05	4.37E-05	3.83E-05	1.24E-08	3.74E-08	2.16E-08	2.65E-08	2.40E-08	1.10E-08	9.60E-09	4.13E-10	9.98E-09	2.20E-09	3.60E-09	5.71E-09	1.01E-09	6.34E-10	2.35E-08
5037	497363.09	3863377.25	3.61E-05	4.43E-05	3.88E-05	1.25E-08	3.78E-08	2.19E-08	2.68E-08	2.43E-08	1.11E-08	9.72E-09	4.18E-10	1.01E-08	2.23E-09	3.64E-09	5.77E-09	1.02E-09	6.41E-10	2.38E-08
5038	497863.09	3863377.25	3.68E-05	4.50E-05	3.95E-05	1.27E-08	3.85E-08	2.23E-08	2.73E-08	2.47E-08	1.13E-08	9.89E-09	4.26E-10	1.03E-08	2.27E-09	3.70E-09	5.88E-09	1.04E-09	6.52E-10	2.42E-08
5039	498363.09	3863377.25	3.72E-05	4.56E-05	3.99E-05	1.29E-08	3.89E-08	2.25E-08	2.76E-08	2.50E-08	1.14E-08	1.00E-08	4.31E-10	1.04E-08	2.29E-09	3.75E-09	5.95E-09	1.05E-09	6.60E-10	2.45E-08
5040	471363.09	3863877.25	1.68E-05	2.06E-05	1.81E-05	5.83E-09	1.76E-08	1.02E-08	1.25E-08	1.13E-08	5.16E-09	4.53E-09	1.95E-10	4.70E-09	1.04E-09	1.69E-09	2.69E-09	4.74E-10	2.99E-10	1.11E-08
5041	471863.09	3863877.25	1.74E-05	2.13E-05	1.87E-05	6.03E-09	1.82E-08	1.05E-08	1.29E-08	1.17E-08	5.34E-09	4.68E-09	2.01E-10	4.86E-09	1.07E-09	1.75E-09	2.78E-09	4.90E-10	3.09E-10	1.15E-08
5042	472363.09	3863877.25	1.79E-05	2.19E-05	1.92E-05	6.20E-09	1.87E-08	1.08E-08	1.33E-08	1.20E-08	5.49E-09	4.82E-09	2.07E-10	5.00E-09	1.10E-09	1.80E-09	2.86E-09	5.04E-10	3.18E-10	1.18E-08
5043	472863.09	3863877.25	1.84E-05	2.26E-05	1.98E-05	6.39E-09	1.93E-08	1.12E-08	1.37E-08	1.24E-08	5.66E-09	4.96E-09	2.13E-10	5.15E-09	1.14E-09	1.86E-09	2.95E-09	5.19E-10	3.27E-10	1.22E-08
5044	473363.09	3863877.25	1.90E-05	2.32E-05	2.04E-05	6.57E-09	1.98E-08	1.15E-08	1.41E-08	1.27E-08	5.82E-09	5.10E-09	2.19E-10	5.30E-09	1.17E-09	1.91E-09	3.03E-09	5.34E-10	3.36E-10	1.25E-08
5045	473863.09	3863877.25	1.95E-05	2.39E-05	2.10E-05	6.77E-09	2.05E-08	1.18E-08	1.45E-08	1.31E-08	6.00E-09	5.26E-09	2.26E-10	5.46E-09	1.21E-09	1.97E-09	3.12E-09	5.51E-10	3.47E-10	1.29E-08
5046	474363.09	3863877.25	2.01E-05	2.46E-05	2.16E-05	6.96E-09	2.10E-08	1.22E-08	1.49E-08	1.35E-08	6.16E-09	5.40E-09	2.32E-10	5.61E-09	1.24E-09	2.02E-09	3.21E-09	5.66E-10	3.56E-10	1.32E-08
5047	474863.09	3863877.25	2.06E-05	2.52E-05	2.21E-05	7.14E-09	2.15E-08	1.25E-08	1.53E-08	1.39E-08	6.32E-09	5.54E-09	2.38E-10	5.76E-09	1.27E-09	2.07E-09	3.29E-09	5.80E-10	3.65E-10	1.36E-08
5048	475363.09	3863877.25	2.12E-05	2.60E-05	2.28E-05	7.36E-09	2.22E-08	1.29E-08	1.58E-08	1.43E-08	6.52E-09	5.72E-09	2.46E-10	5.94E-09	1.31E-09	2.14E-09	3.40E-09	5.98E-10	3.77E-10	1.40E-08
5049	475863.09	3863877.25	2.19E-05	2.68E-05	2.35E-05	7.59E-09	2.29E-08	1.33E-08	1.63E-08	1.47E-08	6.72E-09	5.90E-09	2.53E-10	6.12E-09	1.35E-09	2.21E-09	3.50E-09	6.17E-10	3.89E-10	1.44E-08
5050	476363.09	3863877.25	2.28E-05	2.79E-05	2.45E-05	7.89E-09	2.38E-08	1.38E-08	1.69E-08	1.53E-08	6.99E-09	6.13E-09	2.64E-10	6.37E-09	1.40E-09	2.29E-09	3.64E-09	6.41E-10	4.04E-10	1.50E-08
5051	476863.09	3863877.25	2.37E-05	2.90E-05	2.55E-05	8.21E-09	2.48E-08	1.44E-08	1.76E-08	1.59E-08	7.27E-09	6.38E-09	2.74E-10	6.62E-09	1.46E-09	2.39E-09	3.79E-09	6.67E-10	4.21E-10	1.56E-08
5052	477363.09	3863877.25	2.47E-05	3.03E-05	2.66E-05	8.58E-09	2.59E-08	1.50E-08	1.84E-08	1.66E-08	7.59E-09	6.66E-09	2.86E-10	6.92E-09	1.53E-09	2.49E-09	3.95E-09	6.97E-10	4.39E-10	1.63E-08
5053	477863.09	3863877.25	2.59E-05	3.18E-05	2.79E-05	8.99E-09	2.71E-08	1.57E-08	1.92E-08	1.74E-08	7.96E-09	6.98E-09	3.00E-10	7.25E-09	1.60E-09	2.61E-09	4.15E-09	7.31E-10	4.61E-10	1.71E-08
5054	478363.09	3863877.25	2.70E-05	3.31E-05	2.90E-05	9.35E-09	2.82E-08	1.64E-08	2.00E-08	1.82E-08	8.28E-09	7.26E-09	3.12E-10	7.55E-09	1.66E-09	2.72E-09	4.31E-09	7.60E-10	4.79E-10	1.78E-08
5055	478863.09	3863877.25	2.83E-05	3.46E-05	3.04E-05	9.80E-09	2.96E-08	1.71E-08	2.10E-08	1.90E-08	8.67E-09	7.61E-09	3.27E-10	7.90E-09	1.74E-09	2.85E-09	4.52E-09	7.96E-10	5.02E-10	1.86E-08
5056	479363.09	3863877.25	2.92E-05	3.58E-05	3.14E-05	1.01E-08	3.06E-08	1.77E-08	2.17E-08	1.96E-08	8.96E-09	7.86E-09	3.38E-10	8.17E-09	1.80E-09	2.94E-09	4.67E-09	8.23E-10	5.19E-10	1.93E-08

5057	479863.09	3863877.25	3.02E-05	3.70E-05	3.24E-05	1.05E-08	3.16E-08	1.83E-08	2.24E-08	2.03E-08	9.27E-09	8.13E-09	3.49E-10	8.44E-09	1.86E-09	3.04E-09	4.83E-09	8.50E-10	5.36E-10	1.99E-08
5058	480363.09	3863877.25	3.11E-05	3.81E-05	3.35E-05	1.08E-08	3.26E-08	1.89E-08	2.31E-08	2.09E-08	9.56E-09	8.38E-09	3.60E-10	8.71E-09	1.92E-09	3.14E-09	4.98E-09	8.77E-10	5.53E-10	2.05E-08
5059	480863.09	3863877.25	3.22E-05	3.94E-05	3.46E-05	1.12E-08	3.37E-08	1.95E-08	2.39E-08	2.16E-08	9.88E-09	8.67E-09	3.73E-10	9.00E-09	1.99E-09	3.24E-09	5.14E-09	9.07E-10	5.72E-10	2.12E-08
5060	481363.09	3863877.25	3.32E-05	4.06E-05	3.57E-05	1.15E-08	3.47E-08	2.01E-08	2.46E-08	2.23E-08	1.02E-08	8.93E-09	3.84E-10	9.28E-09	2.05E-09	3.34E-09	5.30E-09	9.35E-10	5.89E-10	2.19E-08
5061	481863.09	3863877.25	3.43E-05	4.20E-05	3.69E-05	1.19E-08	3.59E-08	2.08E-08	2.55E-08	2.31E-08	1.05E-08	9.24E-09	3.97E-10	9.59E-09	2.12E-09	3.46E-09	5.48E-09	9.66E-10	6.09E-10	2.26E-08
5062	482363.09	3863877.25	3.54E-05	4.34E-05	3.81E-05	1.23E-08	3.71E-08	2.15E-08	2.63E-08	2.38E-08	1.09E-08	9.54E-09	4.10E-10	9.91E-09	2.19E-09	3.57E-09	5.66E-09	9.98E-10	6.29E-10	2.34E-08
5063	482863.09	3863877.25	3.61E-05	4.42E-05	3.88E-05	1.25E-08	3.78E-08	2.19E-08	2.68E-08	2.43E-08	1.11E-08	9.72E-09	4.18E-10	1.01E-08	2.23E-09	3.64E-09	5.77E-09	1.02E-09	6.41E-10	2.38E-08
5064	483363.09	3863877.25	3.67E-05	4.49E-05	3.94E-05	1.27E-08	3.84E-08	2.22E-08	2.72E-08	2.47E-08	1.13E-08	9.87E-09	4.24E-10	1.03E-08	2.26E-09	3.69E-09	5.86E-09	1.03E-09	6.51E-10	2.42E-08
5065	483863.09	3863877.25	3.72E-05	4.56E-05	4.00E-05	1.29E-08	3.89E-08	2.25E-08	2.76E-08	2.50E-08	1.14E-08	1.00E-08	4.31E-10	1.04E-08	2.30E-09	3.75E-09	5.95E-09	1.05E-09	6.61E-10	2.45E-08
5066	484363.09	3863877.25	3.72E-05	4.56E-05	4.00E-05	1.29E-08	3.89E-08	2.25E-08	2.76E-08	2.50E-08	1.14E-08	1.00E-08	4.31E-10	1.04E-08	2.30E-09	3.75E-09	5.95E-09	1.05E-09	6.61E-10	2.45E-08
5067	484863.09	3863877.25	3.71E-05	4.54E-05	3.99E-05	1.29E-08	3.88E-08	2.25E-08	2.75E-08	2.49E-08	1.14E-08	9.99E-09	4.29E-10	1.04E-08	2.29E-09	3.74E-09	5.93E-09	1.04E-09	6.59E-10	2.44E-08
5068	485363.09	3863877.25	3.69E-05	4.52E-05	3.96E-05	1.28E-08	3.86E-08	2.23E-08	2.74E-08	2.48E-08	1.13E-08	9.92E-09	4.27E-10	1.03E-08	2.27E-09	3.71E-09	5.89E-09	1.04E-09	6.55E-10	2.43E-08
5069	485863.09	3863877.25	3.67E-05	4.50E-05	3.95E-05	1.27E-08	3.84E-08	2.23E-08	2.73E-08	2.47E-08	1.13E-08	9.89E-09	4.25E-10	1.03E-08	2.27E-09	3.70E-09	5.87E-09	1.03E-09	6.52E-10	2.42E-08
5070	486363.09	3863877.25	3.62E-05	4.44E-05	3.89E-05	1.26E-08	3.79E-08	2.19E-08	2.69E-08	2.44E-08	1.11E-08	9.75E-09	4.19E-10	1.01E-08	2.23E-09	3.65E-09	5.79E-09	1.02E-09	6.43E-10	2.39E-08
5071	486863.09	3863877.25	3.60E-05	4.41E-05	3.86E-05	1.25E-08	3.77E-08	2.18E-08	2.67E-08	2.42E-08	1.10E-08	9.68E-09	4.16E-10	1.01E-08	2.22E-09	3.62E-09	5.75E-09	1.01E-09	6.39E-10	2.37E-08
5072	487363.09	3863877.25	3.57E-05	4.37E-05	3.84E-05	1.24E-08	3.74E-08	2.16E-08	2.65E-08	2.40E-08	1.10E-08	9.61E-09	4.13E-10	9.98E-09	2.20E-09	3.60E-09	5.70E-09	1.01E-09	6.34E-10	2.35E-08
5073	487863.09	3863877.25	3.54E-05	4.33E-05	3.80E-05	1.23E-08	3.70E-08	2.14E-08	2.62E-08	2.38E-08	1.09E-08	9.52E-09	4.09E-10	9.89E-09	2.18E-09	3.56E-09	5.65E-09	9.96E-10	6.28E-10	2.33E-08
5074	488363.09	3863877.25	3.53E-05	4.32E-05	3.79E-05	1.22E-08	3.69E-08	2.14E-08	2.62E-08	2.37E-08	1.08E-08	9.50E-09	4.08E-10	9.87E-09	2.18E-09	3.55E-09	5.64E-09	9.94E-10	6.27E-10	2.33E-08
5075	488863.09	3863877.25	3.51E-05	4.30E-05	3.77E-05	1.22E-08	3.67E-08	2.13E-08	2.60E-08	2.36E-08	1.08E-08	9.45E-09	4.06E-10	9.81E-09	2.17E-09	3.54E-09	5.61E-09	9.89E-10	6.23E-10	2.31E-08
5076	489363.09	3863877.25	3.47E-05	4.25E-05	3.73E-05	1.20E-08	3.63E-08	2.10E-08	2.58E-08	2.34E-08	1.07E-08	9.35E-09	4.02E-10	9.71E-09	2.14E-09	3.50E-09	5.55E-09	9.78E-10	6.17E-10	2.29E-08
5077	489863.09	3863877.25	3.45E-05	4.23E-05	3.71E-05	1.20E-08	3.61E-08	2.09E-08	2.56E-08	2.32E-08	1.06E-08	9.29E-09	4.00E-10	9.65E-09	2.13E-09	3.48E-09	5.52E-09	9.72E-10	6.13E-10	2.28E-08
5078	490363.09	3863877.25	3.45E-05	4.23E-05	3.71E-05	1.20E-08	3.61E-08	2.09E-08	2.56E-08	2.32E-08	1.06E-08	9.29E-09	3.99E-10	9.65E-09	2.13E-09	3.48E-09	5.52E-09	9.72E-10	6.13E-10	2.28E-08
5079	490863.09	3863877.25	3.48E-05	4.27E-05	3.74E-05	1.21E-08	3.64E-08	2.11E-08	2.58E-08	2.34E-08	1.07E-08	9.37E-09	4.03E-10	9.74E-09	2.15E-09	3.51E-09	5.57E-09	9.81E-10	6.18E-10	2.30E-08
5080	491363.09	3863877.25	3.52E-05	4.31E-05	3.78E-05	1.22E-08	3.68E-08	2.13E-08	2.61E-08	2.37E-08	1.08E-08	9.47E-09	4.07E-10	9.84E-09	2.17E-09	3.55E-09	5.63E-09	9.91E-10	6.25E-10	2.32E-08
5081	491863.09	3863877.25	3.65E-05	4.46E-05	3.92E-05	1.26E-08	3.81E-08	2.21E-08	2.70E-08	2.45E-08	1.12E-08	9.81E-09	4.22E-10	1.02E-08	2.25E-09	3.67E-09	5.83E-09	1.03E-09	6.47E-10	2.40E-08
5082	492363.09	3863877.25	3.74E-05	4.58E-05	4.02E-05	1.30E-08	3.91E-08	2.27E-08	2.77E-08	2.52E-08	1.15E-08	1.01E-08	4.33E-10	1.05E-08	2.31E-09	3.77E-09	5.98E-09	1.05E-09	6.64E-10	2.47E-08
5083	492863.09	3863877.25	3.75E-05	4.59E-05	4.02E-05	1.30E-08	3.92E-08	2.27E-08	2.78E-08	2.52E-08	1.15E-08	1.01E-08	4.34E-10	1.05E-08	2.31E-09	3.77E-09	5.99E-09	1.06E-09	6.65E-10	2.47E-08
5084	493363.09	3863877.25	3.75E-05	4.60E-05	4.03E-05	1.30E-08	3.93E-08	2.27E-08	2.78E-08	2.52E-08	1.15E-08	1.01E-08	4.34E-10	1.05E-08	2.31E-09	3.78E-09	6.00E-09	1.06E-09	6.66E-10	2.47E-08
5085	493863.09	3863877.25	3.84E-05	4.71E-05	4.13E-05	1.33E-08	4.02E-08	2.33E-08	2.85E-08	2.58E-08	1.18E-08	1.03E-08	4.45E-10	1.07E-08	2.37E-09	3.87E-09	6.14E-09	1.08E-09	6.82E-10	2.53E-08
5086	494363.09	3863877.25	3.82E-05	4.67E-05	4.10E-05	1.32E-08	3.99E-08	2.31E-08	2.83E-08	2.57E-08	1.17E-08	1.03E-08	4.42E-10	1.07E-08	2.35E-09	3.84E-09	6.10E-09	1.07E-09	6.77E-10	2.52E-08
5087	494863.09	3863877.25	3.67E-05	4.50E-05	3.94E-05	1.27E-08	3.84E-08	2.23E-08	2.73E-08	2.47E-08	1.13E-08	9.88E-09	4.25E-10	1.03E-08	2.27E-09	3.70E-09	5.87E-09	1.03E-09	6.52E-10	2.42E-08
5088	495363.09	3863877.25	3.52E-05	4.31E-05	3.77E-05	1.22E-08	3.68E-08	2.13E-08	2.61E-08	2.36E-08	1.08E-08	9.46E-09	4.07E-10	9.83E-09	2.17E-09	3.54E-09	5.62E-09	9.90E-10	6.24E-10	2.32E-08
5089	495863.09	3863877.25	3.41E-05	4.18E-05	3.66E-05	1.18E-08	3.57E-08	2.07E-08	2.53E-08	2.29E-08	1.05E-08	9.18E-09	3.95E-10	9.53E-09	2.10E-09	3.44E-09	5.45E-09	9.61E-10	6.05E-10	2.25E-08
5090	496363.09	3863877.25	3.31E-05	4.06E-05	3.56E-05	1.15E-08	3.47E-08	2.01E-08	2.46E-08	2.23E-08	1.02E-08	8.91E-09	3.83E-10	9.26E-09	2.04E-09	3.34E-09	5.29E-09	9.33E-10	5.88E-10	2.18E-08
5091	496863.09	3863877.25	3.25E-05	3.98E-05	3.49E-05	1.12E-08	3.40E-08	1.97E-08	2.41E-08	2.18E-08	9.96E-09	8.73E-09	3.76E-10	9.07E-09	2.00E-09	3.27E-09	5.19E-09	9.14E-10	5.76E-10	2.14E-08
5092	497363.09	3863877.25	3.22E-05	3.94E-05	3.45E-05	1.11E-08	3.36E-08	1.95E-08	2.39E-08	2.16E-08	9.87E-09	8.65E-09	3.72E-10	8.99E-09	1.98E-09	3.24E-09	5.14E-09	9.05E-10	5.70E-10	2.12E-08
5093	497863.09	3863877.25	3.23E-05	3.95E-05	3.47E-05	1.12E-08	3.38E-08	1.96E-08	2.39E-08	2.17E-08	9.91E-09	8.68E-09	3.74E-10	9.02E-09	1.99E-09	3.25E-09	5.16E-09	9.09E-10	5.73E-10	2.13E-08
5094	498363.09	3863877.25	3.25E-05	3.98E-05	3.49E-05	1.13E-08	3.40E-08	1.97E-08	2.41E-08	2.19E-08	9.97E-09	8.74E-09	3.76E-10	9.08E-09	2.00E-09	3.27E-09	5.19E-09	9.15E-10	5.76E-10	2.14E-08
5095	471363.09	3864377.25	1.61E-05	1.98E-05	1.73E-05	5.59E-09	1.69E-08	9.77E-09	1.20E-08	1.08E-08	4.95E-09	4.34E-09	1.87E-10	4.51E-09	9.95E-10	1.62E-09	2.58E-09	4.54E-10	2.86E-10	1.06E-08
5096	471863.09	3864377.25	1.66E-05	2.03E-05	1.78E-05	5.75E-09	1.74E-08	1.00E-08	1.23E-08	1.12E-08	5.09E-09	4.46E-09	1.92E-10	4.64E-09	1.02E-09	1.67E-09	2.65E-09	4.67E-10	2.94E-10	1.09E-08
5097	472363.09	3864377.25	1.70E-05	2.09E-05	1.83E-05	5.91E-09	1.78E-08	1.03E-08	1.26E-08	1.15E-08	5.23E-09	4.59E-09	1.97E-10	4.76E-09	1.05E-09	1.72E-09	2.72E-09	4.80E-10	3.02E-10	1.12E-08
5098	472863.09	3864377.25	1.75E-05	2.14E-05	1.88E-05	6.06E-09	1.83E-08	1.06E-08	1.30E-08	1.18E-08	5.37E-09	4.71E-09	2.03E-10	4.89E-09	1.08E-09	1.76E-09	2.80E-09	4.93E-10	3.10E-10	1.15E-08
5099	473363.09	3864377.25	1.79E-05	2.19E-05	1.92E-05	6.21E-09	1.87E-08	1.09E-08	1.33E-08	1.21E-08	5.50E-09	4.82E-09	2.07E-10	5.01E-09	1.11E-09	1.80E-09	2.86E-09	5.05E-10	3.18E-10	1.18E-08
5100	473863.09	3864377.25	1.83E-05	2.25E-05	1.97E-05	6.35E-09	1.92E-08	1.11E-08	1.36E-08	1.23E-08	5.63E-09	4.93E-09	2.12E-10	5.13E-09	1.13E-09	1.85E-09	2.93E-09	5.16E-10	3.25E-10	1.21E-08
5101	474363.09	3864377.25	1.88E-05	2.30E-05	2.02E-05	6.52E-09	1.97E-08	1.14E-08	1.40E-08	1.27E-08	5.77E-09	5.06E-09	2.18E-10	5.26E-09	1.16E-09	1.90E-09	3.01E-09	5.30E-10	3.34E-10	1.24E-08
5102	474863.09	3864377.25	1.93E-05	2.36E-05	2.07E-05	6.68E-09	2.02E-08	1.17E-08	1.43E-08	1.30E-08	5.92E-09	5.19E-09	2.23E-10	5.39E-09	1.19E-09	1.94E-09	3.08E-09	5.43E-10	3.42E-10	1.27E-08
5103	475363.09	3864377.25	1.99E-05	2.44E-05	2.14E-05	6.90E-09	2.08E-08	1.21E-08	1.48E-08	1.34E-08	6.11E-09	5.36E-09	2.30E-10	5.57E-09	1.23E-09	2.01E-09	3.18E-09	5.61E-10	3.54E-10	1.31E-08
5104	475863.09	3864377.25	2.06E-05	2.52E-05	2.21E-05	7.14E-09	2.16E-08	1.25E-08	1.53E-08	1.39E-08	6.33E-09	5.55E-09	2.39E-10	5.76E-09	1.27E-09	2.08E-09	3.29E-09	5.81E-10	3.66E-10	1.36E-08
5105	476363.09	3864377.25	2.15E-05	2.63E-05	2.31E-05	7.44E-09	2.25E-08	1.30E-08	1.59E-08	1.44E-08	6.59E-09	5.78E-09	2.48E-10	6.00E-09	1.32E-09	2.16E-09	3.43E-09	6.05E-10	3.81E-10	1.42E-08
5106	476863.09	3864377.25	2.24E-05	2.74E-05	2.40E-05	7.76E-09	2.34E-08	1.36E-08	1.66E-08	1.51E-08	6.87E-09	6.02E-09	2.59E-10	6.26E-09	1.38E-09	2.25E-09	3.58E-09	6.30E-10	3.97E-10	1.48E-08
5107	477363.09	3864377.25	2.32E-05	2.84E-05	2.49E-05	8.04E-09	2.43E-08	1.41E-08	1.72E-08	1.56E-08	7.12E-09	6.25E-09	2.69E-10	6.49E-09	1.43E-09	2.34E-09	3.71E-09	6.53E-10	4.12E-10	1.53E-08
5108	477863.09	3864377.25	2.41E-05	2.95E-05	2.59E-05	8.35E-09	2.52E-08	1.46E-08	1.79E-08	1.62E-08	7.40E-09	6.49E-09	2.79E-10	6.74E-09	1.49E-09	2.43E-09	3.85E-09	6.79E-10	4.28E-10	1.59E-08
5109	478363.09	3864377.25	2.51E-05	3.07E-05	2.69E-05	8.69E-09	2.62E-08	1.52E-08	1.86E-08	1.69E-08	7.69E-09	6.75E-09	2.90E-10	7.01E-09	1.55E-09	2.53E-09	4.01E-09	7.06E-10	4.45E-10	1.65E-08
5110	478863.09	3864377.25	2.61E-05	3.19E-05	2.80E-05	9.03E-09	2.73E-08	1.58E-08	1.93E-08	1.75E-08	8.00E-09	7.01E-09	3.02E-10	7.28E-09	1.61E-09	2.62E-09	4.16E-09	7.34E-10	4.63E-10	1.72E-08
5111	479363.09	3864377.25	2.69E-05	3.30E-05	2.89E-05	9.34E-09	2.82E-08	1.63E-08	2.00E-08	1.81E-08	8.27E-09	7.25E-09	3.12E-10	7.53E-09	1.66E-09	2.71E-09	4.31E-09	7.59E-10	4.78E-10	1.78E-08
5112	479863.09	3864377.25	2.79E-05	3.42E-05	3.00E-05	9.68E-09	2.92E-08	1.69E-08	2.07E-08	1.88E-08	8.58E-09	7.52E-09	3.23E-10	7.81E-09	1.72E-09	2.82E-09	4.47E-09	7.87E-10	4.96E-10	1.84E-08
5113	480363.09	3864377.25	2.89E-05	3.54E-05	3.11E-05	1.00E-08	3.03E-08	1.75E-08	2.15E-08	1.94E-08	8.87E-09	7.78E-09	3.35E-10	8.08E-09	1.78E-09	2.91E-09	4.62E-09	8.14E-10	5.13E-10	1.91E-08
5114	480863.09	3864377.25	2.96E-05	3.62E-05	3.18E-05	1.03E-08	3.10E-08	1.79E-08	2.20E-08	1.99E-08	9.08E-09	7.97E-09	3.42E-10	8.27E-09	1.83E-09	2.98E-09	4.73E-09	8.33E-10	5.25E-10	1.95E-08
5115	481363.09	3864377.25	3.04E-05	3.73E-05	3.27E-05	1.05E-08	3.18E-08	1.84E-08	2.26E-08	2.05E-08	9.34E-09	8.19E-09	3.52E-10	8.51E-09	1.88E-09	3.06E-09	4.86E-09	8.57E-10	5.40E-10	2.01E-08
5116	481863.09	3864377.25	3.14E-05	3.85E-05	3.37E-05	1.09E-08	3.29E-08	1.90E-08	2.33E-08	2.11E-08	9.63E-09	8.45E-09	3.63E-10	8.78E-09	1.94E-09	3.16E-09	5.02E-09	8.84E-10	5.57E-10	2.07E-08
5117	482363.09	3864377.25	3.22E-05	3.94E-05	3.46E-05	1.11E-08	3.37E-08	1.95E-08	2.39E-08	2.16E-08	9.87E-09	8.66E-09	3.72E-10	8.99E-09	1.98E-09	3.24E-09	5.14E-09	9.06E-10	5.71E-10	2.12E-08

5118	482863.09	3864377.25	3.27E-05	4.01E-05	3.52E-05	1.13E-08	3.43E-08	1.98E-08	2.43E-08	2.20E-08	1.00E-08	8.81E-09	3.79E-10	9.15E-09	2.02E-09	3.30E-09	5.23E-09	9.22E-10	5.81E-10	2.16E-08
5119	483363.09	3864377.25	3.31E-05	4.06E-05	3.56E-05	1.15E-08	3.47E-08	2.01E-08	2.46E-08	2.23E-08	1.02E-08	8.92E-09	3.84E-10	9.26E-09	2.04E-09	3.34E-09	5.30E-09	9.33E-10	5.88E-10	2.18E-08
5120	483863.09	3864377.25	3.34E-05	4.09E-05	3.59E-05	1.16E-08	3.50E-08	2.02E-08	2.48E-08	2.25E-08	1.03E-08	8.99E-09	3.87E-10	9.34E-09	2.06E-09	3.37E-09	5.34E-09	9.41E-10	5.93E-10	2.20E-08
5121	484363.09	3864377.25	3.35E-05	4.10E-05	3.60E-05	1.16E-08	3.50E-08	2.03E-08	2.48E-08	2.25E-08	1.03E-08	9.01E-09	3.87E-10	9.35E-09	2.06E-09	3.37E-09	5.35E-09	9.42E-10	5.94E-10	2.21E-08
5122	484863.09	3864377.25	3.33E-05	4.07E-05	3.57E-05	1.15E-08	3.48E-08	2.01E-08	2.47E-08	2.24E-08	1.02E-08	8.95E-09	3.85E-10	9.30E-09	2.05E-09	3.35E-09	5.31E-09	9.37E-10	5.91E-10	2.19E-08
5123	485363.09	3864377.25	3.31E-05	4.05E-05	3.56E-05	1.15E-08	3.46E-08	2.01E-08	2.46E-08	2.23E-08	1.02E-08	8.91E-09	3.83E-10	9.25E-09	2.04E-09	3.33E-09	5.29E-09	9.32E-10	5.88E-10	2.18E-08
5124	485863.09	3864377.25	3.28E-05	4.02E-05	3.53E-05	1.14E-08	3.44E-08	1.99E-08	2.44E-08	2.21E-08	1.01E-08	8.84E-09	3.80E-10	9.18E-09	2.03E-09	3.31E-09	5.25E-09	9.25E-10	5.83E-10	2.17E-08
5125	486363.09	3864377.25	3.25E-05	3.98E-05	3.49E-05	1.13E-08	3.40E-08	1.97E-08	2.41E-08	2.19E-08	9.98E-09	8.75E-09	3.76E-10	9.09E-09	2.01E-09	3.28E-09	5.20E-09	9.16E-10	5.77E-10	2.14E-08
5126	486863.09	3864377.25	3.24E-05	3.96E-05	3.48E-05	1.12E-08	3.39E-08	1.96E-08	2.40E-08	2.18E-08	9.93E-09	8.71E-09	3.74E-10	9.05E-09	2.00E-09	3.26E-09	5.17E-09	9.11E-10	5.74E-10	2.13E-08
5127	487363.09	3864377.25	3.22E-05	3.94E-05	3.46E-05	1.12E-08	3.37E-08	1.95E-08	2.39E-08	2.16E-08	9.87E-09	8.66E-09	3.72E-10	8.99E-09	1.98E-09	3.24E-09	5.14E-09	9.06E-10	5.71E-10	2.12E-08
5128	487863.09	3864377.25	3.19E-05	3.91E-05	3.43E-05	1.11E-08	3.34E-08	1.93E-08	2.37E-08	2.15E-08	9.79E-09	8.59E-09	3.69E-10	8.92E-09	1.97E-09	3.21E-09	5.10E-09	8.99E-10	5.67E-10	2.10E-08
5129	488363.09	3864377.25	3.18E-05	3.89E-05	3.42E-05	1.10E-08	3.33E-08	1.93E-08	2.36E-08	2.14E-08	9.76E-09	8.56E-09	3.68E-10	8.89E-09	1.96E-09	3.20E-09	5.08E-09	8.95E-10	5.65E-10	2.10E-08
5130	488863.09	3864377.25	3.17E-05	3.89E-05	3.41E-05	1.10E-08	3.32E-08	1.92E-08	2.35E-08	2.13E-08	9.74E-09	8.54E-09	3.67E-10	8.87E-09	1.96E-09	3.20E-09	5.07E-09	8.94E-10	5.63E-10	2.09E-08
5131	489363.09	3864377.25	3.14E-05	3.85E-05	3.37E-05	1.09E-08	3.29E-08	1.90E-08	2.33E-08	2.11E-08	9.64E-09	8.45E-09	3.64E-10	8.78E-09	1.94E-09	3.16E-09	5.02E-09	8.85E-10	5.58E-10	2.07E-08
5132	489863.09	3864377.25	3.12E-05	3.82E-05	3.35E-05	1.08E-08	3.26E-08	1.89E-08	2.31E-08	2.10E-08	9.57E-09	8.39E-09	3.61E-10	8.71E-09	1.92E-09	3.14E-09	4.98E-09	8.78E-10	5.53E-10	2.06E-08
5133	490363.09	3864377.25	3.11E-05	3.81E-05	3.34E-05	1.08E-08	3.25E-08	1.88E-08	2.31E-08	2.09E-08	9.54E-09	8.37E-09	3.60E-10	8.69E-09	1.92E-09	3.13E-09	4.97E-09	8.75E-10	5.52E-10	2.05E-08
5134	490863.09	3864377.25	3.14E-05	3.85E-05	3.38E-05	1.09E-08	3.29E-08	1.90E-08	2.33E-08	2.11E-08	9.64E-09	8.46E-09	3.64E-10	8.78E-09	1.94E-09	3.17E-09	5.02E-09	8.85E-10	5.58E-10	2.07E-08
5135	491363.09	3864377.25	3.30E-05	4.04E-05	3.54E-05	1.14E-08	3.45E-08	2.00E-08	2.45E-08	2.22E-08	1.01E-08	8.88E-09	3.82E-10	9.22E-09	2.03E-09	3.32E-09	5.27E-09	9.29E-10	5.86E-10	2.17E-08
5136	491863.09	3864377.25	2.38E-05	2.92E-05	2.56E-05	8.26E-09	2.49E-08	1.44E-08	1.77E-08	1.60E-08	7.32E-09	6.41E-09	2.76E-10	6.66E-09	1.47E-09	2.40E-09	3.81E-09	6.71E-10	4.23E-10	1.57E-08
5137	492363.09	3864377.25	3.27E-05	4.00E-05	3.51E-05	1.13E-08	3.42E-08	1.98E-08	2.42E-08	2.20E-08	1.00E-08	8.79E-09	3.78E-10	9.13E-09	2.02E-09	3.29E-09	5.22E-09	9.20E-10	5.80E-10	2.15E-08
5138	492863.09	3864377.25	2.79E-05	3.41E-05	2.99E-05	9.65E-09	2.92E-08	1.69E-08	2.07E-08	1.87E-08	8.55E-09	7.50E-09	3.22E-10	7.79E-09	1.72E-09	2.81E-09	4.45E-09	7.85E-10	4.94E-10	1.84E-08
5139	493363.09	3864377.25	3.15E-05	3.85E-05	3.38E-05	1.09E-08	3.29E-08	1.91E-08	2.33E-08	2.12E-08	9.65E-09	8.46E-09	3.64E-10	8.79E-09	1.94E-09	3.17E-09	5.03E-09	8.86E-10	5.58E-10	2.07E-08
5140	493863.09	3864377.25	3.33E-05	4.07E-05	3.57E-05	1.15E-08	3.48E-08	2.02E-08	2.47E-08	2.24E-08	1.02E-08	8.95E-09	3.85E-10	9.30E-09	2.05E-09	3.35E-09	5.32E-09	9.37E-10	5.90E-10	2.19E-08
5141	494363.09	3864377.25	3.46E-05	4.23E-05	3.71E-05	1.20E-08	3.62E-08	2.09E-08	2.56E-08	2.32E-08	1.06E-08	9.30E-09	4.00E-10	9.66E-09	2.13E-09	3.48E-09	5.52E-09	9.73E-10	6.13E-10	2.28E-08
5142	494863.09	3864377.25	3.44E-05	4.22E-05	3.70E-05	1.19E-08	3.60E-08	2.09E-08	2.55E-08	2.32E-08	1.06E-08	9.26E-09	3.98E-10	9.62E-09	2.12E-09	3.47E-09	5.50E-09	9.70E-10	6.11E-10	2.27E-08
5143	495363.09	3864377.25	3.33E-05	4.07E-05	3.57E-05	1.15E-08	3.48E-08	2.02E-08	2.47E-08	2.24E-08	1.02E-08	8.95E-09	3.85E-10	9.30E-09	2.05E-09	3.35E-09	5.32E-09	9.37E-10	5.90E-10	2.19E-08
5144	495863.09	3864377.25	3.19E-05	3.90E-05	3.42E-05	1.10E-08	3.33E-08	1.93E-08	2.36E-08	2.14E-08	9.78E-09	8.57E-09	3.69E-10	8.91E-09	1.97E-09	3.21E-09	5.09E-09	8.97E-10	5.65E-10	2.10E-08
5145	496363.09	3864377.25	3.07E-05	3.76E-05	3.30E-05	1.06E-08	3.21E-08	1.86E-08	2.28E-08	2.07E-08	9.42E-09	8.26E-09	3.55E-10	8.59E-09	1.89E-09	3.09E-09	4.91E-09	8.65E-10	5.45E-10	2.02E-08
5146	496863.09	3864377.25	3.00E-05	3.68E-05	3.22E-05	1.04E-08	3.14E-08	1.82E-08	2.23E-08	2.02E-08	9.21E-09	8.07E-09	3.47E-10	8.39E-09	1.85E-09	3.02E-09	4.79E-09	8.45E-10	5.32E-10	1.98E-08
5147	497363.09	3864377.25	2.94E-05	3.61E-05	3.16E-05	1.02E-08	3.08E-08	1.78E-08	2.18E-08	1.98E-08	9.03E-09	7.92E-09	3.41E-10	8.23E-09	1.82E-09	2.97E-09	4.70E-09	8.29E-10	5.22E-10	1.94E-08
5148	497863.09	3864377.25	2.95E-05	3.61E-05	3.17E-05	1.02E-08	3.09E-08	1.79E-08	2.19E-08	1.98E-08	9.05E-09	7.93E-09	3.41E-10	8.24E-09	1.82E-09	2.97E-09	4.71E-09	8.30E-10	5.23E-10	1.94E-08
5149	498363.09	3864377.25	2.91E-05	3.56E-05	3.12E-05	1.01E-08	3.04E-08	1.76E-08	2.16E-08	1.96E-08	8.92E-09	7.82E-09	3.36E-10	8.13E-09	1.79E-09	2.93E-09	4.65E-09	8.19E-10	5.16E-10	1.92E-08
5150	471363.09	3864877.25	1.54E-05	1.88E-05	1.65E-05	5.33E-09	1.61E-08	9.31E-09	1.14E-08	1.03E-08	4.72E-09	4.13E-09	1.78E-10	4.30E-09	9.48E-10	1.55E-09	2.46E-09	4.33E-10	2.73E-10	1.01E-08
5151	471863.09	3864877.25	1.58E-05	1.93E-05	1.69E-05	5.46E-09	1.65E-08	9.55E-09	1.17E-08	1.06E-08	4.84E-09	4.24E-09	1.82E-10	4.41E-09	9.72E-10	1.59E-09	2.52E-09	4.44E-10	2.80E-10	1.04E-08
5152	472363.09	3864877.25	1.61E-05	1.98E-05	1.73E-05	5.60E-09	1.69E-08	9.78E-09	1.20E-08	1.09E-08	4.95E-09	4.34E-09	1.87E-10	4.51E-09	9.96E-10	1.63E-09	2.58E-09	4.55E-10	2.86E-10	1.06E-08
5153	472863.09	3864877.25	1.65E-05	2.02E-05	1.77E-05	5.72E-09	1.73E-08	1.00E-08	1.22E-08	1.11E-08	5.07E-09	4.44E-09	1.91E-10	4.61E-09	1.02E-09	1.66E-09	2.64E-09	4.65E-10	2.93E-10	1.09E-08
5154	473363.09	3864877.25	1.68E-05	2.06E-05	1.81E-05	5.83E-09	1.76E-08	1.02E-08	1.25E-08	1.13E-08	5.17E-09	4.53E-09	1.95E-10	4.71E-09	1.04E-09	1.70E-09	2.69E-09	4.74E-10	2.99E-10	1.11E-08
5155	473863.09	3864877.25	1.72E-05	2.11E-05	1.85E-05	5.96E-09	1.80E-08	1.04E-08	1.28E-08	1.16E-08	5.28E-09	4.63E-09	1.99E-10	4.81E-09	1.06E-09	1.73E-09	2.75E-09	4.85E-10	3.05E-10	1.13E-08
5156	474363.09	3864877.25	1.76E-05	2.16E-05	1.90E-05	6.12E-09	1.85E-08	1.07E-08	1.31E-08	1.19E-08	5.42E-09	4.75E-09	2.04E-10	4.93E-09	1.09E-09	1.78E-09	2.82E-09	4.97E-10	3.13E-10	1.16E-08
5157	474863.09	3864877.25	1.82E-05	2.22E-05	1.95E-05	6.29E-09	1.90E-08	1.10E-08	1.35E-08	1.22E-08	5.57E-09	4.89E-09	2.10E-10	5.08E-09	1.12E-09	1.83E-09	2.90E-09	5.12E-10	3.23E-10	1.20E-08
5158	475363.09	3864877.25	1.88E-05	2.30E-05	2.02E-05	6.51E-09	1.97E-08	1.14E-08	1.39E-08	1.26E-08	5.76E-09	5.06E-09	2.17E-10	5.25E-09	1.16E-09	1.89E-09	3.00E-09	5.29E-10	3.33E-10	1.24E-08
5159	475863.09	3864877.25	1.95E-05	2.38E-05	2.09E-05	6.75E-09	2.04E-08	1.18E-08	1.44E-08	1.31E-08	5.97E-09	5.24E-09	2.25E-10	5.44E-09	1.20E-09	1.96E-09	3.11E-09	5.48E-10	3.46E-10	1.28E-08
5160	476363.09	3864877.25	2.02E-05	2.48E-05	2.17E-05	7.02E-09	2.12E-08	1.23E-08	1.50E-08	1.36E-08	6.21E-09	5.45E-09	2.34E-10	5.66E-09	1.25E-09	2.04E-09	3.24E-09	5.70E-10	3.59E-10	1.33E-08
5161	476863.09	3864877.25	2.11E-05	2.59E-05	2.27E-05	7.31E-09	2.21E-08	1.28E-08	1.57E-08	1.42E-08	6.48E-09	5.68E-09	2.44E-10	5.90E-09	1.30E-09	2.13E-09	3.37E-09	5.94E-10	3.75E-10	1.39E-08
5162	477363.09	3864877.25	2.18E-05	2.67E-05	2.34E-05	7.56E-09	2.28E-08	1.32E-08	1.62E-08	1.47E-08	6.69E-09	5.87E-09	2.52E-10	6.10E-09	1.35E-09	2.20E-09	3.49E-09	6.14E-10	3.87E-10	1.44E-08
5163	477863.09	3864877.25	2.26E-05	2.77E-05	2.43E-05	7.83E-09	2.37E-08	1.37E-08	1.68E-08	1.52E-08	6.94E-09	6.08E-09	2.62E-10	6.32E-09	1.39E-09	2.28E-09	3.61E-09	6.37E-10	4.01E-10	1.49E-08
5164	478363.09	3864877.25	2.34E-05	2.87E-05	2.52E-05	8.11E-09	2.45E-08	1.42E-08	1.74E-08	1.57E-08	7.19E-09	6.30E-09	2.71E-10	6.55E-09	1.44E-09	2.36E-09	3.74E-09	6.59E-10	4.16E-10	1.54E-08
5165	478863.09	3864877.25	2.42E-05	2.97E-05	2.60E-05	8.40E-09	2.54E-08	1.47E-08	1.80E-08	1.63E-08	7.44E-09	6.53E-09	2.81E-10	6.78E-09	1.50E-09	2.44E-09	3.87E-09	6.83E-10	4.30E-10	1.60E-08
5166	479363.09	3864877.25	2.51E-05	3.07E-05	2.70E-05	8.70E-09	2.63E-08	1.52E-08	1.86E-08	1.69E-08	7.70E-09	6.75E-09	2.90E-10	7.01E-09	1.55E-09	2.53E-09	4.01E-09	7.07E-10	4.46E-10	1.65E-08
5167	479863.09	3864877.25	2.59E-05	3.17E-05	2.78E-05	8.98E-09	2.71E-08	1.57E-08	1.92E-08	1.74E-08	7.95E-09	6.98E-09	3.00E-10	7.24E-09	1.60E-09	2.61E-09	4.14E-09	7.30E-10	4.60E-10	1.71E-08
5168	480363.09	3864877.25	2.67E-05	3.27E-05	2.87E-05	9.26E-09	2.80E-08	1.62E-08	1.98E-08	1.80E-08	8.20E-09	7.20E-09	3.09E-10	7.47E-09	1.65E-09	2.69E-09	4.27E-09	7.53E-10	4.75E-10	1.76E-08
5169	480863.09	3864877.25	2.73E-05	3.35E-05	2.93E-05	9.47E-09	2.86E-08	1.65E-08	2.03E-08	1.84E-08	8.38E-09	7.35E-09	3.16E-10	7.64E-09	1.68E-09	2.75E-09	4.36E-09	7.69E-10	4.85E-10	1.80E-08
5170	481363.09	3864877.25	2.80E-05	3.43E-05	3.01E-05	9.71E-09	2.93E-08	1.70E-08	2.08E-08	1.89E-08	8.60E-09	7.55E-09	3.24E-10	7.84E-09	1.73E-09	2.82E-09	4.48E-09	7.89E-10	4.98E-10	1.85E-08
5171	481863.09	3864877.25	2.87E-05	3.51E-05	3.08E-05	9.95E-09	3.00E-08	1.74E-08	2.13E-08	1.93E-08	8.81E-09	7.72E-09	3.32E-10	8.02E-09	1.77E-09	2.89E-09	4.59E-09	8.08E-10	5.09E-10	1.89E-08
5172	482363.09	3864877.25	2.93E-05	3.59E-05	3.15E-05	1.02E-08	3.07E-08	1.78E-08	2.18E-08	1.97E-08	9.00E-09	7.90E-09	3.40E-10	8.20E-09	1.81E-09	2.96E-09	4.69E-09	8.26E-10	5.21E-10	1.93E-08
5173	482863.09	3864877.25	2.98E-05	3.65E-05	3.20E-05	1.03E-08	3.12E-08	1.81E-08	2.21E-08	2.01E-08	9.15E-09	8.03E-09	3.45E-10	8.34E-09	1.84E-09	3.00E-09	4.77E-09	8.40E-10	5.29E-10	1.97E-08
5174	483363.09	3864877.25	3.01E-05	3.69E-05	3.24E-05	1.04E-08	3.15E-08	1.83E-08	2.24E-08	2.03E-08	9.25E-09	8.11E-09	3.49E-10	8.43E-09	1.86E-09	3.04E-09	4.82E-09	8.49E-10	5.35E-10	1.99E-08
5175	483863.09	3864877.25	3.02E-05	3.70E-05	3.24E-05	1.05E-08	3.16E-08	1.83E-08	2.24E-08	2.03E-08	9.27E-09	8.13E-09	3.50E-10	8.44E-09	1.86E-09	3.04E-09	4.83E-09	8.51E-10	5.36E-10	1.99E-08
5176	484363.09	3864877.25	3.03E-05	3.71E-05	3.25E-05	1.05E-08	3.17E-08	1.83E-08	2.25E-08	2.04E-08	9.29E-09	8.15E-09	3.50E-10	8.46E-09	1.87E-09	3.05E-09	4.84E-09	8.52E-10	5.37E-10	1.99E-08
5177	484863.09	3864877.25	3.02E-05	3.70E-05	3.24E-05	1.05E-08	3.16E-08	1.83E-08	2.24E-08	2.03E-08	9.26E-09	8.13E-09	3.49E-10	8.44E-09	1.86E-09	3.04E-09	4.82E-09	8.50E-10	5.36E-10	1.99E-08
5178	485363.09	3864877.25	3.01E-05	3.68E-05	3.23E-05	1.04E-08	3.15E-08	1.82E-08	2.23E-08	2.02E-08	9.23E-09	8.10E-09	3.48E-10	8.41E-09	1.86E-09	3.03E-09	4.81E-09	8.47E-10	5.34E-10	1.98E-08

5179	485863.09	3864877.25	2.97E-05	3.64E-05	3.19E-05	1.03E-08	3.11E-08	1.80E-08	2.20E-08	2.00E-08	9.11E-09	7.99E-09	3.44E-10	8.30E-09	1.83E-09	2.99E-09	4.74E-09	8.36E-10	5.27E-10	1.96E-08
5180	486363.09	3864877.25	2.94E-05	3.60E-05	3.16E-05	1.02E-08	3.08E-08	1.78E-08	2.18E-08	1.98E-08	9.02E-09	7.91E-09	3.40E-10	8.22E-09	1.81E-09	2.96E-09	4.70E-09	8.28E-10	5.22E-10	1.94E-08
5181	486863.09	3864877.25	2.93E-05	3.58E-05	3.14E-05	1.01E-08	3.06E-08	1.77E-08	2.17E-08	1.97E-08	8.98E-09	7.88E-09	3.39E-10	8.18E-09	1.81E-09	2.95E-09	4.68E-09	8.24E-10	5.20E-10	1.93E-08
5182	487363.09	3864877.25	2.91E-05	3.56E-05	3.12E-05	1.01E-08	3.04E-08	1.76E-08	2.16E-08	1.95E-08	8.92E-09	7.82E-09	3.36E-10	8.12E-09	1.79E-09	2.93E-09	4.64E-09	8.18E-10	5.16E-10	1.92E-08
5183	487863.09	3864877.25	2.89E-05	3.54E-05	3.11E-05	1.00E-08	3.02E-08	1.75E-08	2.14E-08	1.94E-08	8.87E-09	7.78E-09	3.34E-10	8.08E-09	1.78E-09	2.91E-09	4.62E-09	8.14E-10	5.13E-10	1.90E-08
5184	488363.09	3864877.25	2.89E-05	3.54E-05	3.11E-05	1.00E-08	3.03E-08	1.75E-08	2.15E-08	1.95E-08	8.88E-09	7.79E-09	3.35E-10	8.08E-09	1.78E-09	2.91E-09	4.62E-09	8.15E-10	5.14E-10	1.91E-08
5185	488863.09	3864877.25	2.89E-05	3.54E-05	3.10E-05	1.00E-08	3.02E-08	1.75E-08	2.14E-08	1.94E-08	8.86E-09	7.77E-09	3.34E-10	8.07E-09	1.78E-09	2.91E-09	4.62E-09	8.13E-10	5.13E-10	1.90E-08
5186	489363.09	3864877.25	2.87E-05	3.51E-05	3.08E-05	9.93E-09	3.00E-08	1.74E-08	2.13E-08	1.93E-08	8.80E-09	7.71E-09	3.32E-10	8.01E-09	1.77E-09	2.89E-09	4.58E-09	8.07E-10	5.09E-10	1.89E-08
5187	489863.09	3864877.25	2.83E-05	3.47E-05	3.04E-05	9.82E-09	2.97E-08	1.72E-08	2.10E-08	1.91E-08	8.70E-09	7.63E-09	3.28E-10	7.92E-09	1.75E-09	2.85E-09	4.53E-09	7.98E-10	5.03E-10	1.87E-08
5188	490363.09	3864877.25	2.82E-05	3.46E-05	3.03E-05	9.79E-09	2.96E-08	1.71E-08	2.10E-08	1.90E-08	8.67E-09	7.60E-09	3.27E-10	7.90E-09	1.74E-09	2.85E-09	4.51E-09	7.96E-10	5.01E-10	1.86E-08
5189	490863.09	3864877.25	2.97E-05	3.64E-05	3.19E-05	1.03E-08	3.11E-08	1.80E-08	2.20E-08	2.00E-08	9.11E-09	7.99E-09	3.44E-10	8.30E-09	1.83E-09	2.99E-09	4.75E-09	8.36E-10	5.27E-10	1.96E-08
5190	491363.09	3864877.25	2.98E-05	3.64E-05	3.20E-05	1.03E-08	3.11E-08	1.80E-08	2.21E-08	2.00E-08	9.13E-09	8.01E-09	3.44E-10	8.32E-09	1.84E-09	3.00E-09	4.75E-09	8.38E-10	5.28E-10	1.96E-08
5191	491863.09	3864877.25	3.04E-05	3.72E-05	3.26E-05	1.05E-08	3.18E-08	1.84E-08	2.25E-08	2.04E-08	9.31E-09	8.17E-09	3.51E-10	8.48E-09	1.87E-09	3.06E-09	4.85E-09	8.55E-10	5.39E-10	2.00E-08
5192	492363.09	3864877.25	1.48E-05	1.81E-05	1.59E-05	5.13E-09	1.55E-08	8.97E-09	1.10E-08	9.96E-09	4.54E-09	3.98E-09	1.71E-10	4.14E-09	9.13E-10	1.49E-09	2.37E-09	4.17E-10	2.63E-10	9.76E-09
5193	492863.09	3864877.25	2.03E-05	2.48E-05	2.18E-05	7.02E-09	2.12E-08	1.23E-08	1.50E-08	1.36E-08	6.22E-09	5.45E-09	2.34E-10	5.66E-09	1.25E-09	2.04E-09	3.24E-09	5.71E-10	3.60E-10	1.34E-08
5194	493363.09	3864877.25	1.93E-05	2.36E-05	2.07E-05	6.68E-09	2.02E-08	1.17E-08	1.43E-08	1.30E-08	5.92E-09	5.19E-09	2.23E-10	5.39E-09	1.19E-09	1.94E-09	3.08E-09	5.43E-10	3.42E-10	1.27E-08
5195	493863.09	3864877.25	2.88E-05	3.53E-05	3.09E-05	9.97E-09	3.01E-08	1.74E-08	2.14E-08	1.94E-08	8.83E-09	7.74E-09	3.33E-10	8.05E-09	1.78E-09	2.90E-09	4.60E-09	8.11E-10	5.11E-10	1.90E-08
5196	494363.09	3864877.25	3.02E-05	3.70E-05	3.25E-05	1.05E-08	3.16E-08	1.83E-08	2.24E-08	2.03E-08	9.28E-09	8.14E-09	3.50E-10	8.45E-09	1.87E-09	3.05E-09	4.83E-09	8.52E-10	5.37E-10	1.99E-08
5197	494863.09	3864877.25	3.12E-05	3.82E-05	3.35E-05	1.08E-08	3.26E-08	1.89E-08	2.31E-08	2.10E-08	9.57E-09	8.39E-09	3.61E-10	8.72E-09	1.92E-09	3.14E-09	4.99E-09	8.79E-10	5.54E-10	2.06E-08
5198	495363.09	3864877.25	3.12E-05	3.82E-05	3.35E-05	1.08E-08	3.26E-08	1.89E-08	2.31E-08	2.10E-08	9.57E-09	8.39E-09	3.61E-10	8.72E-09	1.92E-09	3.14E-09	4.98E-09	8.78E-10	5.54E-10	2.06E-08
5199	495863.09	3864877.25	3.01E-05	3.69E-05	3.23E-05	1.04E-08	3.15E-08	1.82E-08	2.23E-08	2.03E-08	9.24E-09	8.10E-09	3.48E-10	8.42E-09	1.86E-09	3.03E-09	4.81E-09	8.48E-10	5.34E-10	1.99E-08
5200	496363.09	3864877.25	2.91E-05	3.56E-05	3.12E-05	1.01E-08	3.04E-08	1.76E-08	2.16E-08	1.95E-08	8.92E-09	7.82E-09	3.36E-10	8.12E-09	1.79E-09	2.93E-09	4.64E-09	8.18E-10	5.16E-10	1.92E-08
5201	496863.09	3864877.25	2.80E-05	3.43E-05	3.01E-05	9.71E-09	2.93E-08	1.70E-08	2.08E-08	1.89E-08	8.60E-09	7.54E-09	3.24E-10	7.84E-09	1.73E-09	2.82E-09	4.48E-09	7.89E-10	4.97E-10	1.85E-08
5202	497363.09	3864877.25	2.73E-05	3.34E-05	2.93E-05	9.45E-09	2.85E-08	1.65E-08	2.02E-08	1.83E-08	8.37E-09	7.34E-09	3.16E-10	7.63E-09	1.68E-09	2.75E-09	4.36E-09	7.68E-10	4.84E-10	1.80E-08
5203	497863.09	3864877.25	2.69E-05	3.30E-05	2.89E-05	9.33E-09	2.82E-08	1.63E-08	2.00E-08	1.81E-08	8.27E-09	7.25E-09	3.12E-10	7.53E-09	1.66E-09	2.71E-09	4.30E-09	7.59E-10	4.78E-10	1.78E-08
5204	498363.09	3864877.25	2.66E-05	3.26E-05	2.85E-05	9.21E-09	2.78E-08	1.61E-08	1.97E-08	1.79E-08	8.16E-09	7.15E-09	3.08E-10	7.43E-09	1.64E-09	2.68E-09	4.25E-09	7.49E-10	4.72E-10	1.75E-08
5205	471363.09	3865377.25	1.46E-05	1.79E-05	1.57E-05	5.05E-09	1.53E-08	8.83E-09	1.08E-08	9.81E-09	4.48E-09	3.92E-09	1.69E-10	4.08E-09	9.00E-10	1.47E-09	2.33E-09	4.11E-10	2.59E-10	9.61E-09
5206	471863.09	3865377.25	1.49E-05	1.83E-05	1.60E-05	5.17E-09	1.56E-08	9.03E-09	1.11E-08	1.00E-08	4.58E-09	4.01E-09	1.73E-10	4.17E-09	9.20E-10	1.50E-09	2.38E-09	4.20E-10	2.65E-10	9.83E-09
5207	472363.09	3865377.25	1.52E-05	1.87E-05	1.64E-05	5.28E-09	1.59E-08	9.22E-09	1.13E-08	1.02E-08	4.67E-09	4.10E-09	1.76E-10	4.26E-09	9.39E-10	1.53E-09	2.43E-09	4.29E-10	2.70E-10	1.00E-08
5208	472863.09	3865377.25	1.56E-05	1.91E-05	1.67E-05	5.40E-09	1.63E-08	9.43E-09	1.16E-08	1.05E-08	4.78E-09	4.19E-09	1.80E-10	4.35E-09	9.60E-10	1.57E-09	2.49E-09	4.38E-10	2.76E-10	1.03E-08
5209	473363.09	3865377.25	1.58E-05	1.94E-05	1.70E-05	5.49E-09	1.66E-08	9.60E-09	1.18E-08	1.07E-08	4.86E-09	4.27E-09	1.83E-10	4.43E-09	9.77E-10	1.60E-09	2.53E-09	4.46E-10	2.81E-10	1.04E-08
5210	473863.09	3865377.25	1.62E-05	1.99E-05	1.74E-05	5.62E-09	1.70E-08	9.82E-09	1.20E-08	1.09E-08	4.98E-09	4.37E-09	1.88E-10	4.53E-09	1.00E-09	1.63E-09	2.59E-09	4.57E-10	2.88E-10	1.07E-08
5211	474363.09	3865377.25	1.67E-05	2.04E-05	1.79E-05	5.77E-09	1.74E-08	1.01E-08	1.24E-08	1.12E-08	5.11E-09	4.49E-09	1.93E-10	4.66E-09	1.03E-09	1.68E-09	2.66E-09	4.69E-10	2.96E-10	1.10E-08
5212	474863.09	3865377.25	1.72E-05	2.11E-05	1.85E-05	5.97E-09	1.80E-08	1.04E-08	1.28E-08	1.16E-08	5.29E-09	4.64E-09	1.99E-10	4.82E-09	1.06E-09	1.74E-09	2.75E-09	4.85E-10	3.06E-10	1.14E-08
5213	475363.09	3865377.25	1.78E-05	2.18E-05	1.91E-05	6.17E-09	1.86E-08	1.08E-08	1.32E-08	1.20E-08	5.46E-09	4.79E-09	2.06E-10	4.98E-09	1.10E-09	1.79E-09	2.84E-09	5.01E-10	3.16E-10	1.17E-08
5214	475863.09	3865377.25	1.85E-05	2.26E-05	1.99E-05	6.41E-09	1.93E-08	1.12E-08	1.37E-08	1.24E-08	5.67E-09	4.97E-09	2.14E-10	5.17E-09	1.14E-09	1.86E-09	2.95E-09	5.21E-10	3.28E-10	1.22E-08
5215	476363.09	3865377.25	1.94E-05	2.38E-05	2.09E-05	6.73E-09	2.03E-08	1.18E-08	1.44E-08	1.31E-08	5.96E-09	5.23E-09	2.25E-10	5.43E-09	1.20E-09	1.96E-09	3.10E-09	5.47E-10	3.45E-10	1.28E-08
5216	476863.09	3865377.25	2.01E-05	2.47E-05	2.16E-05	6.98E-09	2.11E-08	1.22E-08	1.49E-08	1.35E-08	6.18E-09	5.42E-09	2.33E-10	5.63E-09	1.24E-09	2.03E-09	3.22E-09	5.67E-10	3.57E-10	1.33E-08
5217	477363.09	3865377.25	2.08E-05	2.54E-05	2.23E-05	7.20E-09	2.17E-08	1.26E-08	1.54E-08	1.40E-08	6.37E-09	5.59E-09	2.40E-10	5.81E-09	1.28E-09	2.09E-09	3.32E-09	5.85E-10	3.69E-10	1.37E-08
5218	477863.09	3865377.25	2.13E-05	2.61E-05	2.29E-05	7.38E-09	2.23E-08	1.29E-08	1.58E-08	1.43E-08	6.54E-09	5.73E-09	2.47E-10	5.95E-09	1.31E-09	2.15E-09	3.40E-09	6.00E-10	3.78E-10	1.40E-08
5219	478363.09	3865377.25	2.21E-05	2.70E-05	2.37E-05	7.64E-09	2.31E-08	1.34E-08	1.64E-08	1.48E-08	6.77E-09	5.94E-09	2.55E-10	6.17E-09	1.36E-09	2.22E-09	3.53E-09	6.21E-10	3.92E-10	1.45E-08
5220	478863.09	3865377.25	2.27E-05	2.78E-05	2.44E-05	7.88E-09	2.38E-08	1.38E-08	1.69E-08	1.53E-08	6.98E-09	6.12E-09	2.63E-10	6.36E-09	1.40E-09	2.29E-09	3.63E-09	6.40E-10	4.04E-10	1.50E-08
5221	479363.09	3865377.25	2.35E-05	2.87E-05	2.52E-05	8.13E-09	2.45E-08	1.42E-08	1.74E-08	1.58E-08	7.20E-09	6.31E-09	2.71E-10	6.56E-09	1.45E-09	2.36E-09	3.75E-09	6.61E-10	4.17E-10	1.55E-08
5222	479863.09	3865377.25	2.42E-05	2.97E-05	2.60E-05	8.39E-09	2.53E-08	1.47E-08	1.80E-08	1.63E-08	7.43E-09	6.52E-09	2.80E-10	6.77E-09	1.49E-09	2.44E-09	3.87E-09	6.82E-10	4.30E-10	1.60E-08
5223	480363.09	3865377.25	2.47E-05	3.03E-05	2.65E-05	8.56E-09	2.58E-08	1.50E-08	1.83E-08	1.66E-08	7.58E-09	6.65E-09	2.86E-10	6.90E-09	1.52E-09	2.49E-09	3.95E-09	6.96E-10	4.39E-10	1.63E-08
5224	480863.09	3865377.25	2.52E-05	3.09E-05	2.71E-05	8.73E-09	2.64E-08	1.53E-08	1.87E-08	1.69E-08	7.73E-09	6.78E-09	2.92E-10	7.04E-09	1.55E-09	2.54E-09	4.03E-09	7.10E-10	4.47E-10	1.66E-08
5225	481363.09	3865377.25	2.58E-05	3.16E-05	2.77E-05	8.95E-09	2.70E-08	1.56E-08	1.92E-08	1.74E-08	7.93E-09	6.95E-09	2.99E-10	7.22E-09	1.59E-09	2.60E-09	4.13E-09	7.27E-10	4.59E-10	1.70E-08
5226	481863.09	3865377.25	2.64E-05	3.23E-05	2.84E-05	9.15E-09	2.76E-08	1.60E-08	1.96E-08	1.78E-08	8.10E-09	7.11E-09	3.06E-10	7.38E-09	1.63E-09	2.66E-09	4.22E-09	7.44E-10	4.69E-10	1.74E-08
5227	482363.09	3865377.25	2.69E-05	3.30E-05	2.89E-05	9.33E-09	2.82E-08	1.63E-08	2.00E-08	1.81E-08	8.26E-09	7.24E-09	3.11E-10	7.52E-09	1.66E-09	2.71E-09	4.30E-09	7.58E-10	4.78E-10	1.77E-08
5228	482863.09	3865377.25	2.72E-05	3.34E-05	2.93E-05	9.44E-09	2.85E-08	1.65E-08	2.02E-08	1.83E-08	8.36E-09	7.33E-09	3.15E-10	7.62E-09	1.68E-09	2.74E-09	4.35E-09	7.67E-10	4.84E-10	1.80E-08
5229	483363.09	3865377.25	2.74E-05	3.36E-05	2.95E-05	9.51E-09	2.87E-08	1.66E-08	2.04E-08	1.85E-08	8.42E-09	7.39E-09	3.18E-10	7.67E-09	1.69E-09	2.76E-09	4.39E-09	7.73E-10	4.87E-10	1.81E-08
5230	483863.09	3865377.25	2.75E-05	3.37E-05	2.96E-05	9.54E-09	2.88E-08	1.67E-08	2.04E-08	1.85E-08	8.44E-09	7.41E-09	3.18E-10	7.69E-09	1.70E-09	2.77E-09	4.40E-09	7.75E-10	4.89E-10	1.81E-08
5231	484363.09	3865377.25	2.76E-05	3.38E-05	2.97E-05	9.57E-09	2.89E-08	1.67E-08	2.05E-08	1.86E-08	8.47E-09	7.44E-09	3.20E-10	7.72E-09	1.70E-09	2.78E-09	4.41E-09	7.78E-10	4.90E-10	1.82E-08
5232	484863.09	3865377.25	2.76E-05	3.38E-05	2.97E-05	9.57E-09	2.89E-08	1.67E-08	2.05E-08	1.86E-08	8.47E-09	7.43E-09	3.20E-10	7.72E-09	1.70E-09	2.78E-09	4.41E-09	7.78E-10	4.90E-10	1.82E-08
5233	485363.09	3865377.25	2.74E-05	3.36E-05	2.94E-05	9.50E-09	2.87E-08	1.66E-08	2.03E-08	1.84E-08	8.41E-09	7.38E-09	3.17E-10	7.66E-09	1.69E-09	2.76E-09	4.38E-09	7.72E-10	4.87E-10	1.81E-08
5234	485863.09	3865377.25	2.70E-05	3.31E-05	2.90E-05	9.36E-09	2.83E-08	1.64E-08	2.00E-08	1.82E-08	8.29E-09	7.27E-09	3.13E-10	7.55E-09	1.67E-09	2.72E-09	4.32E-09	7.61E-10	4.80E-10	1.78E-08
5235	486363.09	3865377.25	2.68E-05	3.29E-05	2.88E-05	9.30E-09	2.81E-08	1.63E-08	1.99E-08	1.80E-08	8.23E-09	7.22E-09	3.11E-10	7.50E-09	1.66E-09	2.70E-09	4.29E-09	7.56E-10	4.76E-10	1.77E-08
5236	486863.09	3865377.25	2.67E-05	3.27E-05	2.87E-05	9.25E-09	2.79E-08	1.62E-08	1.98E-08	1.79E-08	8.19E-09	7.18E-09	3.09E-10	7.46E-09	1.65E-09	2.69E-09	4.26E-09	7.52E-10	4.74E-10	1.76E-08
5237	487363.09	3865377.25	2.65E-05	3.24E-05	2.85E-05	9.18E-09	2.77E-08	1.60E-08	1.97E-08	1.78E-08	8.13E-09	7.13E-09	3.07E-10	7.41E-09	1.63E-09	2.67E-09	4.23E-09	7.46E-10	4.70E-10	1.75E-08
5238	487863.09	3865377.25	2.64E-05	3.23E-05	2.83E-05	9.14E-09	2.76E-08	1.60E-08	1.96E-08	1.77E-08	8.09E-09	7.10E-09	3.05E-10	7.37E-09	1.63E-09	2.66E-09	4.21E-09	7.43E-10	4.68E-10	1.74E-08
5239	488363.09	3865377.25	2.65E-05	3.24E-05	2.84E-05	9.17E-09	2.77E-08	1.60E-08	1.96E-08	1.78E-08	8.12E-09	7.13E-09	3.06E-10	7.40E-09	1.63E-09	2.67E-09	4.23E-09	7.45E-10	4.70E-10	1.74E-08

5240	488863.09	3865377.25	2.65E-05	3.24E-05	2.85E-05	9.18E-09	2.77E-08	1.60E-08	1.97E-08	1.78E-08	8.13E-09	7.13E-09	3.07E-10	7.41E-09	1.63E-09	2.67E-09	4.23E-09	7.46E-10	4.70E-10	1.75E-08
5241	489363.09	3865377.25	2.64E-05	3.23E-05	2.84E-05	9.15E-09	2.76E-08	1.60E-08	1.96E-08	1.78E-08	8.10E-09	7.11E-09	3.06E-10	7.38E-09	1.63E-09	2.66E-09	4.22E-09	7.44E-10	4.69E-10	1.74E-08
5242	489863.09	3865377.25	2.63E-05	3.22E-05	2.83E-05	9.12E-09	2.75E-08	1.59E-08	1.95E-08	1.77E-08	8.07E-09	7.08E-09	3.04E-10	7.35E-09	1.62E-09	2.65E-09	4.20E-09	7.41E-10	4.67E-10	1.73E-08
5243	490363.09	3865377.25	2.70E-05	3.31E-05	2.90E-05	9.36E-09	2.83E-08	1.64E-08	2.00E-08	1.82E-08	8.29E-09	7.27E-09	3.12E-10	7.55E-09	1.67E-09	2.72E-09	4.32E-09	7.61E-10	4.79E-10	1.78E-08
5244	490863.09	3865377.25	2.69E-05	3.30E-05	2.89E-05	9.33E-09	2.82E-08	1.63E-08	2.00E-08	1.81E-08	8.26E-09	7.24E-09	3.11E-10	7.52E-09	1.66E-09	2.71E-09	4.30E-09	7.58E-10	4.78E-10	1.77E-08
5245	491363.09	3865377.25	2.70E-05	3.31E-05	2.90E-05	9.36E-09	2.83E-08	1.64E-08	2.00E-08	1.82E-08	8.29E-09	7.27E-09	3.13E-10	7.55E-09	1.67E-09	2.72E-09	4.32E-09	7.61E-10	4.80E-10	1.78E-08
5246	491863.09	3865377.25	2.74E-05	3.35E-05	2.94E-05	9.49E-09	2.87E-08	1.66E-08	2.03E-08	1.84E-08	8.40E-09	7.37E-09	3.17E-10	7.66E-09	1.69E-09	2.76E-09	4.38E-09	7.71E-10	4.86E-10	1.81E-08
5247	492363.09	3865377.25	2.55E-05	3.12E-05	2.74E-05	8.84E-09	2.67E-08	1.54E-08	1.89E-08	1.71E-08	7.82E-09	6.86E-09	2.95E-10	7.13E-09	1.57E-09	2.57E-09	4.07E-09	7.18E-10	4.52E-10	1.68E-08
5248	492863.09	3865377.25	2.17E-05	2.65E-05	2.33E-05	7.50E-09	2.27E-08	1.31E-08	1.61E-08	1.46E-08	6.65E-09	5.83E-09	2.51E-10	6.05E-09	1.34E-09	2.18E-09	3.46E-09	6.10E-10	3.84E-10	1.43E-08
5249	493363.09	3865377.25	1.80E-05	2.20E-05	1.93E-05	6.24E-09	1.88E-08	1.09E-08	1.34E-08	1.21E-08	5.52E-09	4.84E-09	2.08E-10	5.03E-09	1.11E-09	1.81E-09	2.88E-09	5.07E-10	3.19E-10	1.19E-08
5250	493863.09	3865377.25	2.43E-05	2.98E-05	2.61E-05	8.42E-09	2.54E-08	1.47E-08	1.80E-08	1.64E-08	7.46E-09	6.54E-09	2.81E-10	6.80E-09	1.50E-09	2.45E-09	3.88E-09	6.85E-10	4.31E-10	1.60E-08
5251	494363.09	3865377.25	2.64E-05	3.23E-05	2.83E-05	9.14E-09	2.76E-08	1.60E-08	1.96E-08	1.77E-08	8.09E-09	7.09E-09	3.05E-10	7.37E-09	1.63E-09	2.66E-09	4.21E-09	7.43E-10	4.68E-10	1.74E-08
5252	494863.09	3865377.25	2.74E-05	3.36E-05	2.94E-05	9.50E-09	2.87E-08	1.66E-08	2.03E-08	1.84E-08	8.41E-09	7.38E-09	3.17E-10	7.66E-09	1.69E-09	2.76E-09	4.38E-09	7.72E-10	4.86E-10	1.81E-08
5253	495363.09	3865377.25	2.84E-05	3.48E-05	3.05E-05	9.83E-09	2.97E-08	1.72E-08	2.11E-08	1.91E-08	8.71E-09	7.63E-09	3.28E-10	7.93E-09	1.75E-09	2.86E-09	4.53E-09	7.99E-10	5.04E-10	1.87E-08
5254	495863.09	3865377.25	2.84E-05	3.47E-05	3.05E-05	9.83E-09	2.97E-08	1.72E-08	2.10E-08	1.91E-08	8.71E-09	7.63E-09	3.28E-10	7.93E-09	1.75E-09	2.86E-09	4.53E-09	7.99E-10	5.03E-10	1.87E-08
5255	496363.09	3865377.25	2.78E-05	3.41E-05	2.99E-05	9.64E-09	2.91E-08	1.68E-08	2.06E-08	1.87E-08	8.53E-09	7.48E-09	3.22E-10	7.77E-09	1.71E-09	2.80E-09	4.44E-09	7.83E-10	4.93E-10	1.83E-08
5256	496863.09	3865377.25	2.67E-05	3.27E-05	2.87E-05	9.26E-09	2.80E-08	1.62E-08	1.98E-08	1.80E-08	8.20E-09	7.19E-09	3.09E-10	7.47E-09	1.65E-09	2.69E-09	4.27E-09	7.52E-10	4.74E-10	1.76E-08
5257	497363.09	3865377.25	2.57E-05	3.15E-05	2.76E-05	8.91E-09	2.69E-08	1.56E-08	1.91E-08	1.73E-08	7.89E-09	6.91E-09	2.97E-10	7.18E-09	1.59E-09	2.59E-09	4.11E-09	7.24E-10	4.56E-10	1.69E-08
5258	497863.09	3865377.25	2.50E-05	3.06E-05	2.69E-05	8.67E-09	2.62E-08	1.51E-08	1.86E-08	1.68E-08	7.68E-09	6.73E-09	2.89E-10	6.99E-09	1.54E-09	2.52E-09	4.00E-09	7.04E-10	4.44E-10	1.65E-08
5259	498363.09	3865377.25	2.48E-05	3.03E-05	2.66E-05	8.58E-09	2.59E-08	1.50E-08	1.84E-08	1.67E-08	7.60E-09	6.66E-09	2.87E-10	6.92E-09	1.53E-09	2.49E-09	3.96E-09	6.97E-10	4.39E-10	1.63E-08
5260	471363.09	3865877.25	1.38E-05	1.69E-05	1.49E-05	4.79E-09	1.45E-08	8.38E-09	1.03E-08	9.30E-09	4.25E-09	3.72E-09	1.60E-10	3.87E-09	8.53E-10	1.39E-09	2.21E-09	3.90E-10	2.45E-10	9.12E-09
5261	471863.09	3865877.25	1.41E-05	1.73E-05	1.51E-05	4.89E-09	1.48E-08	8.54E-09	1.05E-08	9.48E-09	4.33E-09	3.79E-09	1.63E-10	3.94E-09	8.70E-10	1.42E-09	2.25E-09	3.97E-10	2.50E-10	9.30E-09
5262	472363.09	3865877.25	1.44E-05	1.77E-05	1.55E-05	5.01E-09	1.51E-08	8.75E-09	1.07E-08	9.71E-09	4.43E-09	3.89E-09	1.67E-10	4.04E-09	8.91E-10	1.45E-09	2.31E-09	4.07E-10	2.56E-10	9.52E-09
5263	472863.09	3865877.25	1.47E-05	1.79E-05	1.57E-05	5.08E-09	1.53E-08	8.87E-09	1.09E-08	9.85E-09	4.50E-09	3.94E-09	1.70E-10	4.10E-09	9.04E-10	1.48E-09	2.34E-09	4.13E-10	2.60E-10	9.66E-09
5264	473363.09	3865877.25	1.50E-05	1.83E-05	1.61E-05	5.19E-09	1.57E-08	9.07E-09	1.11E-08	1.01E-08	4.59E-09	4.03E-09	1.73E-10	4.18E-09	9.23E-10	1.51E-09	2.39E-09	4.22E-10	2.66E-10	9.87E-09
5265	473863.09	3865877.25	1.54E-05	1.88E-05	1.65E-05	5.33E-09	1.61E-08	9.32E-09	1.14E-08	1.03E-08	4.72E-09	4.14E-09	1.78E-10	4.30E-09	9.49E-10	1.55E-09	2.46E-09	4.33E-10	2.73E-10	1.01E-08
5266	474363.09	3865877.25	1.59E-05	1.94E-05	1.70E-05	5.50E-09	1.66E-08	9.61E-09	1.18E-08	1.07E-08	4.87E-09	4.27E-09	1.84E-10	4.43E-09	9.78E-10	1.60E-09	2.53E-09	4.47E-10	2.82E-10	1.05E-08
5267	474863.09	3865877.25	1.64E-05	2.01E-05	1.77E-05	5.69E-09	1.72E-08	9.95E-09	1.22E-08	1.11E-08	5.04E-09	4.42E-09	1.90E-10	4.59E-09	1.01E-09	1.66E-09	2.63E-09	4.63E-10	2.92E-10	1.08E-08
5268	475363.09	3865877.25	1.70E-05	2.08E-05	1.83E-05	5.89E-09	1.78E-08	1.03E-08	1.26E-08	1.14E-08	5.22E-09	4.57E-09	1.97E-10	4.75E-09	1.05E-09	1.71E-09	2.72E-09	4.79E-10	3.02E-10	1.12E-08
5269	475863.09	3865877.25	1.76E-05	2.16E-05	1.89E-05	6.10E-09	1.84E-08	1.07E-08	1.31E-08	1.18E-08	5.40E-09	4.74E-09	2.04E-10	4.92E-09	1.09E-09	1.77E-09	2.81E-09	4.96E-10	3.12E-10	1.16E-08
5270	476363.09	3865877.25	1.85E-05	2.27E-05	1.99E-05	6.42E-09	1.94E-08	1.12E-08	1.37E-08	1.25E-08	5.68E-09	4.98E-09	2.14E-10	5.18E-09	1.14E-09	1.86E-09	2.96E-09	5.21E-10	3.29E-10	1.22E-08
5271	476863.09	3865877.25	1.91E-05	2.34E-05	2.05E-05	6.62E-09	2.00E-08	1.16E-08	1.42E-08	1.28E-08	5.86E-09	5.14E-09	2.21E-10	5.34E-09	1.18E-09	1.92E-09	3.05E-09	5.38E-10	3.39E-10	1.26E-08
5272	477363.09	3865877.25	1.98E-05	2.43E-05	2.13E-05	6.87E-09	2.07E-08	1.20E-08	1.47E-08	1.33E-08	6.08E-09	5.34E-09	2.29E-10	5.54E-09	1.22E-09	2.00E-09	3.17E-09	5.58E-10	3.52E-10	1.31E-08
5273	477863.09	3865877.25	2.02E-05	2.48E-05	2.17E-05	7.01E-09	2.12E-08	1.23E-08	1.50E-08	1.36E-08	6.21E-09	5.44E-09	2.34E-10	5.65E-09	1.25E-09	2.04E-09	3.23E-09	5.70E-10	3.59E-10	1.33E-08
5274	478363.09	3865877.25	2.08E-05	2.55E-05	2.24E-05	7.22E-09	2.18E-08	1.26E-08	1.55E-08	1.40E-08	6.39E-09	5.61E-09	2.41E-10	5.82E-09	1.28E-09	2.10E-09	3.33E-09	5.87E-10	3.70E-10	1.37E-08
5275	478863.09	3865877.25	2.15E-05	2.63E-05	2.31E-05	7.44E-09	2.25E-08	1.30E-08	1.59E-08	1.44E-08	6.59E-09	5.78E-09	2.48E-10	6.00E-09	1.32E-09	2.16E-09	3.43E-09	6.04E-10	3.81E-10	1.41E-08
5276	479363.09	3865877.25	2.21E-05	2.70E-05	2.37E-05	7.65E-09	2.31E-08	1.34E-08	1.64E-08	1.48E-08	6.77E-09	5.94E-09	2.55E-10	6.17E-09	1.36E-09	2.22E-09	3.53E-09	6.22E-10	3.92E-10	1.46E-08
5277	479863.09	3865877.25	2.26E-05	2.76E-05	2.42E-05	7.82E-09	2.36E-08	1.37E-08	1.67E-08	1.52E-08	6.92E-09	6.07E-09	2.61E-10	6.30E-09	1.39E-09	2.27E-09	3.60E-09	6.35E-10	4.00E-10	1.49E-08
5278	480363.09	3865877.25	2.30E-05	2.81E-05	2.47E-05	7.96E-09	2.40E-08	1.39E-08	1.70E-08	1.54E-08	7.05E-09	6.18E-09	2.66E-10	6.42E-09	1.42E-09	2.31E-09	3.67E-09	6.47E-10	4.08E-10	1.51E-08
5279	480863.09	3865877.25	2.34E-05	2.87E-05	2.52E-05	8.12E-09	2.45E-08	1.42E-08	1.74E-08	1.58E-08	7.19E-09	6.31E-09	2.71E-10	6.55E-09	1.44E-09	2.36E-09	3.74E-09	6.60E-10	4.16E-10	1.54E-08
5280	481363.09	3865877.25	2.39E-05	2.93E-05	2.57E-05	8.29E-09	2.50E-08	1.45E-08	1.77E-08	1.61E-08	7.34E-09	6.44E-09	2.77E-10	6.69E-09	1.48E-09	2.41E-09	3.82E-09	6.74E-10	4.25E-10	1.58E-08
5281	481863.09	3865877.25	2.44E-05	2.99E-05	2.62E-05	8.46E-09	2.56E-08	1.48E-08	1.81E-08	1.64E-08	7.49E-09	6.57E-09	2.83E-10	6.83E-09	1.51E-09	2.46E-09	3.90E-09	6.88E-10	4.33E-10	1.61E-08
5282	482363.09	3865877.25	2.48E-05	3.03E-05	2.66E-05	8.58E-09	2.59E-08	1.50E-08	1.84E-08	1.67E-08	7.60E-09	6.67E-09	2.87E-10	6.92E-09	1.53E-09	2.49E-09	3.96E-09	6.98E-10	4.40E-10	1.63E-08
5283	482863.09	3865877.25	2.50E-05	3.06E-05	2.68E-05	8.66E-09	2.62E-08	1.51E-08	1.85E-08	1.68E-08	7.67E-09	6.73E-09	2.89E-10	6.99E-09	1.54E-09	2.52E-09	3.99E-09	7.04E-10	4.44E-10	1.65E-08
5284	483363.09	3865877.25	2.52E-05	3.08E-05	2.70E-05	8.72E-09	2.63E-08	1.52E-08	1.87E-08	1.69E-08	7.72E-09	6.77E-09	2.91E-10	7.03E-09	1.55E-09	2.53E-09	4.02E-09	7.09E-10	4.47E-10	1.66E-08
5285	483863.09	3865877.25	2.53E-05	3.10E-05	2.72E-05	8.77E-09	2.65E-08	1.53E-08	1.88E-08	1.70E-08	7.76E-09	6.81E-09	2.93E-10	7.07E-09	1.56E-09	2.55E-09	4.04E-09	7.12E-10	4.49E-10	1.67E-08
5286	484363.09	3865877.25	2.55E-05	3.12E-05	2.74E-05	8.82E-09	2.66E-08	1.54E-08	1.89E-08	1.71E-08	7.81E-09	6.85E-09	2.95E-10	7.11E-09	1.57E-09	2.56E-09	4.07E-09	7.17E-10	4.52E-10	1.68E-08
5287	484863.09	3865877.25	2.54E-05	3.10E-05	2.72E-05	8.79E-09	2.65E-08	1.54E-08	1.88E-08	1.70E-08	7.78E-09	6.82E-09	2.93E-10	7.09E-09	1.56E-09	2.55E-09	4.05E-09	7.14E-10	4.50E-10	1.67E-08
5288	485363.09	3865877.25	2.51E-05	3.07E-05	2.69E-05	8.68E-09	2.62E-08	1.52E-08	1.86E-08	1.68E-08	7.69E-09	6.74E-09	2.90E-10	7.00E-09	1.55E-09	2.52E-09	4.00E-09	7.06E-10	4.45E-10	1.65E-08
5289	485863.09	3865877.25	2.47E-05	3.03E-05	2.66E-05	8.57E-09	2.59E-08	1.50E-08	1.84E-08	1.66E-08	7.59E-09	6.66E-09	2.86E-10	6.91E-09	1.53E-09	2.49E-09	3.95E-09	6.97E-10	4.39E-10	1.63E-08
5290	486363.09	3865877.25	2.45E-05	3.01E-05	2.64E-05	8.51E-09	2.57E-08	1.49E-08	1.82E-08	1.65E-08	7.53E-09	6.61E-09	2.84E-10	6.86E-09	1.51E-09	2.47E-09	3.92E-09	6.91E-10	4.36E-10	1.62E-08
5291	486863.09	3865877.25	2.44E-05	2.99E-05	2.62E-05	8.46E-09	2.56E-08	1.48E-08	1.81E-08	1.64E-08	7.49E-09	6.57E-09	2.83E-10	6.83E-09	1.51E-09	2.46E-09	3.90E-09	6.88E-10	4.34E-10	1.61E-08
5292	487363.09	3865877.25	2.42E-05	2.97E-05	2.60E-05	8.40E-09	2.54E-08	1.47E-08	1.80E-08	1.63E-08	7.44E-09	6.52E-09	2.80E-10	6.78E-09	1.50E-09	2.44E-09	3.87E-09	6.83E-10	4.30E-10	1.60E-08
5293	487863.09	3865877.25	2.43E-05	2.98E-05	2.61E-05	8.42E-09	2.54E-08	1.47E-08	1.80E-08	1.63E-08	7.46E-09	6.54E-09	2.81E-10	6.79E-09	1.50E-09	2.45E-09	3.88E-09	6.84E-10	4.32E-10	1.60E-08
5294	488363.09	3865877.25	2.43E-05	2.98E-05	2.62E-05	8.43E-09	2.55E-08	1.47E-08	1.81E-08	1.64E-08	7.47E-09	6.55E-09	2.82E-10	6.80E-09	1.50E-09	2.45E-09	3.89E-09	6.85E-10	4.32E-10	1.60E-08
5295	488863.09	3865877.25	2.45E-05	3.00E-05	2.63E-05	8.48E-09	2.56E-08	1.48E-08	1.82E-08	1.65E-08	7.51E-09	6.59E-09	2.83E-10	6.84E-09	1.51E-09	2.47E-09	3.91E-09	6.89E-10	4.35E-10	1.61E-08
5296	489363.09	3865877.25	2.45E-05	3.00E-05	2.63E-05	8.50E-09	2.57E-08	1.49E-08	1.82E-08	1.65E-08	7.53E-09	6.60E-09	2.84E-10	6.86E-09	1.51E-09	2.47E-09	3.92E-09	6.91E-10	4.35E-10	1.62E-08
5297	489863.09	3865877.25	2.44E-05	2.99E-05	2.62E-05	8.45E-09	2.55E-08	1.48E-08	1.81E-08	1.64E-08	7.49E-09	6.56E-09	2.82E-10	6.82E-09	1.50E-09	2.46E-09	3.90E-09	6.87E-10	4.33E-10	1.61E-08
5298	490363.09	3865877.25	2.45E-05	3.01E-05	2.64E-05	8.50E-09	2.57E-08	1.49E-08	1.82E-08	1.65E-08	7.53E-09	6.60E-09	2.84E-10	6.86E-09	1.51E-09	2.47E-09	3.92E-09	6.91E-10	4.36E-10	1.62E-08
5299	490863.09	3865877.25	2.46E-05	3.02E-05	2.65E-05	8.54E-09	2.58E-08	1.49E-08	1.83E-08	1.66E-08	7.56E-09	6.63E-09	2.85E-10	6.89E-09	1.52E-09	2.48E-09	3.94E-09	6.94E-10	4.37E-10	1.62E-08
5300	491363.09	3865877.25	2.45E-05	3.00E-05	2.63E-05	8.49E-09	2.56E-08	1.48E-08	1.82E-08	1.65E-08	7.52E-09	6.60E-09	2.84E-10	6.85E-09	1.51E-09	2.47E-09	3.92E-09	6.90E-10	4.35E-10	1.62E-08

5301	491863.09	3865877.25	2.47E-05	3.03E-05	2.66E-05	8.57E-09	2.59E-08	1.50E-08	1.83E-08	1.66E-08	7.59E-09	6.65E-09	2.86E-10	6.91E-09	1.52E-09	2.49E-09	3.95E-09	6.96E-10	4.39E-10	1.63E-08
5302	492363.09	3865877.25	2.45E-05	3.01E-05	2.64E-05	8.50E-09	2.57E-08	1.49E-08	1.82E-08	1.65E-08	7.53E-09	6.60E-09	2.84E-10	6.86E-09	1.51E-09	2.47E-09	3.92E-09	6.91E-10	4.36E-10	1.62E-08
5303	492863.09	3865877.25	2.07E-05	2.53E-05	2.22E-05	7.16E-09	2.16E-08	1.25E-08	1.53E-08	1.39E-08	6.34E-09	5.56E-09	2.39E-10	5.78E-09	1.28E-09	2.08E-09	3.30E-09	5.82E-10	3.67E-10	1.36E-08
5304	493363.09	3865877.25	2.10E-05	2.57E-05	2.25E-05	7.28E-09	2.20E-08	1.27E-08	1.56E-08	1.41E-08	6.44E-09	5.65E-09	2.43E-10	5.87E-09	1.30E-09	2.12E-09	3.36E-09	5.91E-10	3.73E-10	1.38E-08
5305	493863.09	3865877.25	2.34E-05	2.87E-05	2.51E-05	8.11E-09	2.45E-08	1.42E-08	1.74E-08	1.57E-08	7.18E-09	6.30E-09	2.71E-10	6.54E-09	1.44E-09	2.36E-09	3.74E-09	6.59E-10	4.15E-10	1.54E-08
5306	494363.09	3865877.25	2.45E-05	3.00E-05	2.63E-05	8.47E-09	2.56E-08	1.48E-08	1.81E-08	1.64E-08	7.50E-09	6.58E-09	2.83E-10	6.84E-09	1.51E-09	2.46E-09	3.91E-09	6.89E-10	4.34E-10	1.61E-08
5307	494863.09	3865877.25	2.49E-05	3.05E-05	2.67E-05	8.62E-09	2.60E-08	1.51E-08	1.85E-08	1.67E-08	7.63E-09	6.69E-09	2.88E-10	6.95E-09	1.53E-09	2.51E-09	3.98E-09	7.01E-10	4.41E-10	1.64E-08
5308	495363.09	3865877.25	2.52E-05	3.08E-05	2.70E-05	8.72E-09	2.63E-08	1.52E-08	1.87E-08	1.69E-08	7.72E-09	6.77E-09	2.91E-10	7.03E-09	1.55E-09	2.53E-09	4.02E-09	7.09E-10	4.46E-10	1.66E-08
5309	495863.09	3865877.25	2.60E-05	3.18E-05	2.79E-05	9.00E-09	2.72E-08	1.57E-08	1.93E-08	1.75E-08	7.97E-09	6.99E-09	3.01E-10	7.26E-09	1.60E-09	2.62E-09	4.15E-09	7.31E-10	4.61E-10	1.71E-08
5310	496363.09	3865877.25	2.63E-05	3.22E-05	2.82E-05	9.11E-09	2.75E-08	1.59E-08	1.95E-08	1.77E-08	8.06E-09	7.07E-09	3.04E-10	7.35E-09	1.62E-09	2.65E-09	4.20E-09	7.40E-10	4.66E-10	1.73E-08
5311	496863.09	3865877.25	2.58E-05	3.16E-05	2.77E-05	8.95E-09	2.70E-08	1.56E-08	1.92E-08	1.74E-08	7.93E-09	6.95E-09	2.99E-10	7.22E-09	1.59E-09	2.60E-09	4.13E-09	7.27E-10	4.58E-10	1.70E-08
5312	497363.09	3865877.25	2.46E-05	3.02E-05	2.65E-05	8.54E-09	2.58E-08	1.49E-08	1.83E-08	1.66E-08	7.56E-09	6.63E-09	2.85E-10	6.89E-09	1.52E-09	2.48E-09	3.94E-09	6.94E-10	4.37E-10	1.62E-08
5313	497863.09	3865877.25	2.37E-05	2.90E-05	2.54E-05	8.21E-09	2.48E-08	1.44E-08	1.76E-08	1.59E-08	7.27E-09	6.37E-09	2.74E-10	6.62E-09	1.46E-09	2.39E-09	3.79E-09	6.67E-10	4.20E-10	1.56E-08
5314	498363.09	3865877.25	2.30E-05	2.82E-05	2.47E-05	7.97E-09	2.41E-08	1.39E-08	1.71E-08	1.55E-08	7.06E-09	6.19E-09	2.66E-10	6.43E-09	1.42E-09	2.32E-09	3.67E-09	6.47E-10	4.08E-10	1.52E-08
5315	471363.09	3866377.25	1.31E-05	1.60E-05	1.41E-05	4.54E-09	1.37E-08	7.93E-09	9.72E-09	8.81E-09	4.02E-09	3.52E-09	1.52E-10	3.66E-09	8.08E-10	1.32E-09	2.09E-09	3.69E-10	2.33E-10	8.63E-09
5316	471863.09	3866377.25	1.34E-05	1.64E-05	1.44E-05	4.64E-09	1.40E-08	8.11E-09	9.93E-09	9.00E-09	4.11E-09	3.60E-09	1.55E-10	3.74E-09	8.26E-10	1.35E-09	2.14E-09	3.77E-10	2.38E-10	8.82E-09
5317	472363.09	3866377.25	1.37E-05	1.67E-05	1.47E-05	4.73E-09	1.43E-08	8.27E-09	1.01E-08	9.19E-09	4.19E-09	3.68E-09	1.58E-10	3.82E-09	8.43E-10	1.38E-09	2.18E-09	3.85E-10	2.43E-10	9.00E-09
5318	472863.09	3866377.25	1.39E-05	1.70E-05	1.49E-05	4.81E-09	1.45E-08	8.41E-09	1.03E-08	9.34E-09	4.26E-09	3.74E-09	1.61E-10	3.88E-09	8.57E-10	1.40E-09	2.22E-09	3.91E-10	2.47E-10	9.16E-09
5319	473363.09	3866377.25	1.43E-05	1.75E-05	1.53E-05	4.95E-09	1.49E-08	8.64E-09	1.06E-08	9.60E-09	4.38E-09	3.84E-09	1.65E-10	3.99E-09	8.80E-10	1.44E-09	2.28E-09	4.02E-10	2.53E-10	9.41E-09
5320	473863.09	3866377.25	1.47E-05	1.80E-05	1.58E-05	5.08E-09	1.53E-08	8.88E-09	1.09E-08	9.86E-09	4.50E-09	3.95E-09	1.70E-10	4.10E-09	9.05E-10	1.48E-09	2.34E-09	4.13E-10	2.60E-10	9.67E-09
5321	474363.09	3866377.25	1.51E-05	1.85E-05	1.63E-05	5.25E-09	1.58E-08	9.17E-09	1.12E-08	1.02E-08	4.65E-09	4.07E-09	1.75E-10	4.23E-09	9.34E-10	1.52E-09	2.42E-09	4.26E-10	2.69E-10	9.98E-09
5322	474863.09	3866377.25	1.57E-05	1.92E-05	1.68E-05	5.43E-09	1.64E-08	9.50E-09	1.16E-08	1.05E-08	4.81E-09	4.22E-09	1.81E-10	4.38E-09	9.67E-10	1.58E-09	2.51E-09	4.42E-10	2.78E-10	1.03E-08
5323	475363.09	3866377.25	1.62E-05	1.98E-05	1.74E-05	5.60E-09	1.69E-08	9.79E-09	1.20E-08	1.09E-08	4.96E-09	4.35E-09	1.87E-10	4.52E-09	9.97E-10	1.63E-09	2.58E-09	4.55E-10	2.87E-10	1.07E-08
5324	475863.09	3866377.25	1.67E-05	2.04E-05	1.79E-05	5.78E-09	1.74E-08	1.01E-08	1.24E-08	1.12E-08	5.11E-09	4.49E-09	1.93E-10	4.66E-09	1.03E-09	1.68E-09	2.66E-09	4.69E-10	2.96E-10	1.10E-08
5325	476363.09	3866377.25	1.76E-05	2.15E-05	1.89E-05	6.09E-09	1.84E-08	1.06E-08	1.30E-08	1.18E-08	5.39E-09	4.73E-09	2.03E-10	4.91E-09	1.08E-09	1.77E-09	2.81E-09	4.95E-10	3.12E-10	1.16E-08
5326	476863.09	3866377.25	1.81E-05	2.21E-05	1.94E-05	6.26E-09	1.89E-08	1.09E-08	1.34E-08	1.22E-08	5.54E-09	4.86E-09	2.09E-10	5.05E-09	1.11E-09	1.82E-09	2.89E-09	5.09E-10	3.21E-10	1.19E-08
5327	477363.09	3866377.25	1.90E-05	2.33E-05	2.04E-05	6.58E-09	1.99E-08	1.15E-08	1.41E-08	1.28E-08	5.83E-09	5.11E-09	2.20E-10	5.31E-09	1.17E-09	1.91E-09	3.03E-09	5.35E-10	3.37E-10	1.25E-08
5328	477863.09	3866377.25	1.93E-05	2.37E-05	2.08E-05	6.69E-09	2.02E-08	1.17E-08	1.43E-08	1.30E-08	5.93E-09	5.20E-09	2.24E-10	5.40E-09	1.19E-09	1.95E-09	3.09E-09	5.44E-10	3.43E-10	1.27E-08
5329	478363.09	3866377.25	1.97E-05	2.41E-05	2.12E-05	6.83E-09	2.06E-08	1.19E-08	1.46E-08	1.32E-08	6.04E-09	5.30E-09	2.28E-10	5.51E-09	1.21E-09	1.98E-09	3.15E-09	5.55E-10	3.50E-10	1.30E-08
5330	478863.09	3866377.25	2.03E-05	2.48E-05	2.18E-05	7.03E-09	2.12E-08	1.23E-08	1.50E-08	1.36E-08	6.22E-09	5.46E-09	2.35E-10	5.67E-09	1.25E-09	2.04E-09	3.24E-09	5.71E-10	3.60E-10	1.34E-08
5331	479363.09	3866377.25	2.08E-05	2.55E-05	2.23E-05	7.21E-09	2.18E-08	1.26E-08	1.54E-08	1.40E-08	6.38E-09	5.60E-09	2.41E-10	5.81E-09	1.28E-09	2.10E-09	3.32E-09	5.86E-10	3.69E-10	1.37E-08
5332	479863.09	3866377.25	2.13E-05	2.60E-05	2.28E-05	7.37E-09	2.23E-08	1.29E-08	1.58E-08	1.43E-08	6.53E-09	5.73E-09	2.46E-10	5.94E-09	1.31E-09	2.14E-09	3.40E-09	5.99E-10	3.78E-10	1.40E-08
5333	480363.09	3866377.25	2.16E-05	2.65E-05	2.32E-05	7.49E-09	2.26E-08	1.31E-08	1.60E-08	1.45E-08	6.64E-09	5.82E-09	2.50E-10	6.04E-09	1.33E-09	2.18E-09	3.46E-09	6.09E-10	3.84E-10	1.43E-08
5334	480863.09	3866377.25	2.20E-05	2.69E-05	2.36E-05	7.61E-09	2.30E-08	1.33E-08	1.63E-08	1.48E-08	6.74E-09	5.91E-09	2.54E-10	6.14E-09	1.35E-09	2.21E-09	3.51E-09	6.18E-10	3.90E-10	1.45E-08
5335	481363.09	3866377.25	2.24E-05	2.75E-05	2.41E-05	7.77E-09	2.35E-08	1.36E-08	1.66E-08	1.51E-08	6.88E-09	6.03E-09	2.59E-10	6.27E-09	1.38E-09	2.26E-09	3.58E-09	6.31E-10	3.98E-10	1.48E-08
5336	481863.09	3866377.25	2.27E-05	2.78E-05	2.44E-05	7.87E-09	2.38E-08	1.38E-08	1.69E-08	1.53E-08	6.97E-09	6.11E-09	2.63E-10	6.35E-09	1.40E-09	2.29E-09	3.63E-09	6.40E-10	4.03E-10	1.50E-08
5337	482363.09	3866377.25	2.29E-05	2.81E-05	2.46E-05	7.94E-09	2.40E-08	1.39E-08	1.70E-08	1.54E-08	7.03E-09	6.17E-09	2.65E-10	6.41E-09	1.41E-09	2.31E-09	3.66E-09	6.45E-10	4.07E-10	1.51E-08
5338	482863.09	3866377.25	2.31E-05	2.83E-05	2.48E-05	8.00E-09	2.42E-08	1.40E-08	1.71E-08	1.55E-08	7.09E-09	6.22E-09	2.67E-10	6.46E-09	1.42E-09	2.33E-09	3.69E-09	6.50E-10	4.10E-10	1.52E-08
5339	483363.09	3866377.25	2.32E-05	2.84E-05	2.50E-05	8.05E-09	2.43E-08	1.41E-08	1.72E-08	1.56E-08	7.13E-09	6.25E-09	2.69E-10	6.49E-09	1.43E-09	2.34E-09	3.71E-09	6.54E-10	4.12E-10	1.53E-08
5340	483863.09	3866377.25	2.34E-05	2.86E-05	2.51E-05	8.10E-09	2.45E-08	1.42E-08	1.73E-08	1.57E-08	7.18E-09	6.30E-09	2.71E-10	6.54E-09	1.44E-09	2.36E-09	3.74E-09	6.59E-10	4.15E-10	1.54E-08
5341	484363.09	3866377.25	2.34E-05	2.87E-05	2.52E-05	8.13E-09	2.45E-08	1.42E-08	1.74E-08	1.58E-08	7.20E-09	6.31E-09	2.71E-10	6.55E-09	1.45E-09	2.36E-09	3.75E-09	6.60E-10	4.16E-10	1.55E-08
5342	484863.09	3866377.25	2.34E-05	2.87E-05	2.52E-05	8.12E-09	2.45E-08	1.42E-08	1.74E-08	1.58E-08	7.19E-09	6.31E-09	2.71E-10	6.55E-09	1.45E-09	2.36E-09	3.74E-09	6.60E-10	4.16E-10	1.54E-08
5343	485363.09	3866377.25	2.31E-05	2.82E-05	2.48E-05	7.99E-09	2.41E-08	1.40E-08	1.71E-08	1.55E-08	7.08E-09	6.21E-09	2.67E-10	6.45E-09	1.42E-09	2.32E-09	3.68E-09	6.49E-10	4.09E-10	1.52E-08
5344	485863.09	3866377.25	2.27E-05	2.78E-05	2.44E-05	7.88E-09	2.38E-08	1.38E-08	1.69E-08	1.53E-08	6.98E-09	6.12E-09	2.63E-10	6.35E-09	1.40E-09	2.29E-09	3.63E-09	6.40E-10	4.04E-10	1.50E-08
5345	486363.09	3866377.25	2.26E-05	2.77E-05	2.43E-05	7.83E-09	2.36E-08	1.37E-08	1.68E-08	1.52E-08	6.94E-09	6.08E-09	2.62E-10	6.32E-09	1.39E-09	2.28E-09	3.61E-09	6.37E-10	4.01E-10	1.49E-08
5346	486863.09	3866377.25	2.25E-05	2.76E-05	2.42E-05	7.80E-09	2.35E-08	1.36E-08	1.67E-08	1.51E-08	6.91E-09	6.06E-09	2.60E-10	6.29E-09	1.39E-09	2.27E-09	3.60E-09	6.34E-10	4.00E-10	1.48E-08
5347	487363.09	3866377.25	2.29E-05	2.80E-05	2.46E-05	7.92E-09	2.39E-08	1.38E-08	1.70E-08	1.54E-08	7.02E-09	6.15E-09	2.65E-10	6.39E-09	1.41E-09	2.30E-09	3.65E-09	6.44E-10	4.06E-10	1.51E-08
5348	487863.09	3866377.25	2.32E-05	2.84E-05	2.49E-05	8.02E-09	2.42E-08	1.40E-08	1.72E-08	1.56E-08	7.10E-09	6.23E-09	2.68E-10	6.47E-09	1.43E-09	2.33E-09	3.70E-09	6.52E-10	4.11E-10	1.53E-08
5349	488363.09	3866377.25	2.32E-05	2.84E-05	2.49E-05	8.03E-09	2.42E-08	1.40E-08	1.72E-08	1.56E-08	7.11E-09	6.24E-09	2.68E-10	6.47E-09	1.43E-09	2.33E-09	3.70E-09	6.52E-10	4.11E-10	1.53E-08
5350	488863.09	3866377.25	2.34E-05	2.86E-05	2.51E-05	8.10E-09	2.45E-08	1.42E-08	1.73E-08	1.57E-08	7.17E-09	6.29E-09	2.71E-10	6.53E-09	1.44E-09	2.35E-09	3.74E-09	6.58E-10	4.15E-10	1.54E-08
5351	489363.09	3866377.25	2.33E-05	2.86E-05	2.51E-05	8.09E-09	2.44E-08	1.41E-08	1.73E-08	1.57E-08	7.16E-09	6.28E-09	2.70E-10	6.52E-09	1.44E-09	2.35E-09	3.73E-09	6.57E-10	4.14E-10	1.54E-08
5352	489863.09	3866377.25	2.31E-05	2.83E-05	2.48E-05	8.01E-09	2.42E-08	1.40E-08	1.72E-08	1.55E-08	7.09E-09	6.22E-09	2.68E-10	6.46E-09	1.43E-09	2.33E-09	3.69E-09	6.51E-10	4.10E-10	1.52E-08
5353	490363.09	3866377.25	2.27E-05	2.78E-05	2.44E-05	7.86E-09	2.37E-08	1.37E-08	1.68E-08	1.53E-08	6.96E-09	6.10E-09	2.62E-10	6.34E-09	1.40E-09	2.28E-09	3.62E-09	6.39E-10	4.03E-10	1.50E-08
5354	490863.09	3866377.25	2.24E-05	2.74E-05	2.41E-05	7.77E-09	2.34E-08	1.36E-08	1.66E-08	1.51E-08	6.88E-09	6.03E-09	2.59E-10	6.26E-09	1.38E-09	2.26E-09	3.58E-09	6.31E-10	3.98E-10	1.48E-08
5355	491363.09	3866377.25	2.26E-05	2.77E-05	2.43E-05	7.83E-09	2.36E-08	1.37E-08	1.68E-08	1.52E-08	6.93E-09	6.08E-09	2.61E-10	6.31E-09	1.39E-09	2.27E-09	3.61E-09	6.36E-10	4.01E-10	1.49E-08
5356	491863.09	3866377.25	2.23E-05	2.73E-05	2.39E-05	7.72E-09	2.33E-08	1.35E-08	1.65E-08	1.50E-08	6.84E-09	6.00E-09	2.58E-10	6.23E-09	1.37E-09	2.25E-09	3.56E-09	6.28E-10	3.96E-10	1.47E-08
5357	492363.09	3866377.25	2.26E-05	2.77E-05	2.43E-05	7.85E-09	2.37E-08	1.37E-08	1.68E-08	1.52E-08	6.95E-09	6.10E-09	2.62E-10	6.33E-09	1.40E-09	2.28E-09	3.62E-09	6.38E-10	4.02E-10	1.49E-08
5358	492863.09	3866377.25	2.14E-05	2.62E-05	2.29E-05	7.40E-09	2.23E-08	1.29E-08	1.58E-08	1.44E-08	6.55E-09	5.74E-09	2.47E-10	5.97E-09	1.32E-09	2.15E-09	3.41E-09	6.01E-10	3.79E-10	1.41E-08
5359	493363.09	3866377.25	2.15E-05	2.64E-05	2.31E-05	7.47E-09	2.25E-08	1.31E-08	1.60E-08	1.45E-08	6.61E-09	5.80E-09	2.49E-10	6.02E-09	1.33E-09	2.17E-09	3.44E-09	6.07E-10	3.82E-10	1.42E-08
5360	493863.09	3866377.25	2.26E-05	2.76E-05	2.42E-05	7.82E-09	2.36E-08	1.37E-08	1.67E-08	1.52E-08	6.92E-09	6.07E-09	2.61E-10	6.31E-09	1.39E-09	2.27E-09	3.60E-09	6.35E-10	4.00E-10	1.49E-08
5361	494363.09	3866377.25	2.33E-05	2.85E-05	2.50E-05	8.07E-09	2.44E-08	1.41E-08	1.73E-08	1.57E-08	7.15E-09	6.27E-09	2.70E-10	6.51E-09	1.44E-09	2.35E-09	3.72E-09	6.56E-10	4.13E-10	1.54E-08

5362	494863.09	3866377.25	2.29E-05	2.81E-05	2.46E-05	7.95E-09	2.40E-08	1.39E-08	1.70E-08	1.54E-08	7.04E-09	6.17E-09	2.66E-10	6.41E-09	1.42E-09	2.31E-09	3.67E-09	6.46E-10	4.07E-10	1.51E-08
5363	495363.09	3866377.25	2.22E-05	2.72E-05	2.39E-05	7.70E-09	2.33E-08	1.35E-08	1.65E-08	1.49E-08	6.82E-09	5.98E-09	2.57E-10	6.21E-09	1.37E-09	2.24E-09	3.55E-09	6.26E-10	3.94E-10	1.46E-08
5364	495863.09	3866377.25	2.26E-05	2.77E-05	2.43E-05	7.84E-09	2.37E-08	1.37E-08	1.68E-08	1.52E-08	6.95E-09	6.09E-09	2.62E-10	6.33E-09	1.40E-09	2.28E-09	3.62E-09	6.37E-10	4.02E-10	1.49E-08
5365	496363.09	3866377.25	2.40E-05	2.94E-05	2.57E-05	8.31E-09	2.51E-08	1.45E-08	1.78E-08	1.61E-08	7.36E-09	6.45E-09	2.77E-10	6.70E-09	1.48E-09	2.41E-09	3.83E-09	6.75E-10	4.25E-10	1.58E-08
5366	496863.09	3866377.25	2.42E-05	2.96E-05	2.60E-05	8.39E-09	2.53E-08	1.47E-08	1.80E-08	1.63E-08	7.43E-09	6.51E-09	2.80E-10	6.77E-09	1.49E-09	2.44E-09	3.87E-09	6.82E-10	4.29E-10	1.60E-08
5367	497363.09	3866377.25	2.38E-05	2.91E-05	2.55E-05	8.24E-09	2.49E-08	1.44E-08	1.76E-08	1.60E-08	7.30E-09	6.40E-09	2.75E-10	6.65E-09	1.47E-09	2.40E-09	3.80E-09	6.70E-10	4.22E-10	1.57E-08
5368	497863.09	3866377.25	2.28E-05	2.80E-05	2.45E-05	7.91E-09	2.39E-08	1.38E-08	1.69E-08	1.54E-08	7.01E-09	6.14E-09	2.64E-10	6.38E-09	1.41E-09	2.30E-09	3.65E-09	6.43E-10	4.05E-10	1.51E-08
5369	498363.09	3866377.25	2.08E-05	2.55E-05	2.23E-05	7.21E-09	2.18E-08	1.26E-08	1.54E-08	1.40E-08	6.38E-09	5.60E-09	2.41E-10	5.81E-09	1.28E-09	2.10E-09	3.32E-09	5.86E-10	3.69E-10	1.37E-08
5370	474494.92	3848334.16	1.52E-05	1.86E-05	1.63E-05	5.25E-09	1.59E-08	9.18E-09	1.12E-08	1.02E-08	4.65E-09	4.08E-09	1.75E-10	4.24E-09	9.35E-10	1.53E-09	2.42E-09	4.27E-10	2.69E-10	9.99E-09
5371	475167.27	3848920.79	1.73E-05	2.12E-05	1.86E-05	5.99E-09	1.81E-08	1.05E-08	1.28E-08	1.16E-08	5.31E-09	4.66E-09	2.00E-10	4.84E-09	1.07E-09	1.74E-09	2.76E-09	4.87E-10	3.07E-10	1.14E-08
5372	475297.89	3848997.96	1.76E-05	2.16E-05	1.89E-05	6.10E-09	1.84E-08	1.07E-08	1.31E-08	1.18E-08	5.41E-09	4.74E-09	2.04E-10	4.92E-09	1.09E-09	1.77E-09	2.81E-09	4.96E-10	3.13E-10	1.16E-08
5373	475439.05	3849062	1.76E-05	2.15E-05	1.89E-05	6.09E-09	1.84E-08	1.06E-08	1.30E-08	1.18E-08	5.39E-09	4.73E-09	2.03E-10	4.91E-09	1.08E-09	1.77E-09	2.81E-09	4.95E-10	3.12E-10	1.16E-08
5374	475486.86	3849061.09	1.75E-05	2.14E-05	1.88E-05	6.06E-09	1.83E-08	1.06E-08	1.30E-08	1.18E-08	5.36E-09	4.70E-09	2.02E-10	4.89E-09	1.08E-09	1.76E-09	2.79E-09	4.92E-10	3.10E-10	1.15E-08
5375	475538.46	3849075.56	1.76E-05	2.16E-05	1.89E-05	6.10E-09	1.84E-08	1.07E-08	1.31E-08	1.18E-08	5.40E-09	4.74E-09	2.04E-10	4.92E-09	1.09E-09	1.77E-09	2.81E-09	4.96E-10	3.12E-10	1.16E-08
5376	475751.79	3849137.15	1.83E-05	2.25E-05	1.97E-05	6.35E-09	1.92E-08	1.11E-08	1.36E-08	1.23E-08	5.63E-09	4.93E-09	2.12E-10	5.12E-09	1.13E-09	1.85E-09	2.93E-09	5.16E-10	3.26E-10	1.21E-08
5377	476303.62	3849223.38	1.93E-05	2.36E-05	2.07E-05	6.67E-09	2.02E-08	1.17E-08	1.43E-08	1.30E-08	5.91E-09	5.18E-09	2.23E-10	5.38E-09	1.19E-09	1.94E-09	3.08E-09	5.42E-10	3.42E-10	1.27E-08
5378	476304.51	3849238.92	1.94E-05	2.37E-05	2.08E-05	6.71E-09	2.03E-08	1.17E-08	1.44E-08	1.30E-08	5.94E-09	5.21E-09	2.24E-10	5.41E-09	1.19E-09	1.95E-09	3.09E-09	5.45E-10	3.44E-10	1.28E-08
5379	476365.04	3849247.98	1.95E-05	2.38E-05	2.09E-05	6.74E-09	2.04E-08	1.18E-08	1.44E-08	1.31E-08	5.97E-09	5.24E-09	2.25E-10	5.44E-09	1.20E-09	1.96E-09	3.11E-09	5.48E-10	3.45E-10	1.28E-08
5380	476444.86	3849267.13	1.95E-05	2.39E-05	2.09E-05	6.75E-09	2.04E-08	1.18E-08	1.44E-08	1.31E-08	5.98E-09	5.24E-09	2.25E-10	5.44E-09	1.20E-09	1.96E-09	3.11E-09	5.48E-10	3.46E-10	1.28E-08
5381	476550.75	3849300.66	1.98E-05	2.42E-05	2.13E-05	6.85E-09	2.07E-08	1.20E-08	1.47E-08	1.33E-08	6.07E-09	5.32E-09	2.29E-10	5.53E-09	1.22E-09	1.99E-09	3.16E-09	5.57E-10	3.51E-10	1.30E-08
5382	476656.71	3849346.88	2.01E-05	2.46E-05	2.15E-05	6.95E-09	2.10E-08	1.21E-08	1.49E-08	1.35E-08	6.15E-09	5.40E-09	2.32E-10	5.61E-09	1.24E-09	2.02E-09	3.20E-09	5.65E-10	3.56E-10	1.32E-08
5383	476873.55	3849454.53	2.08E-05	2.55E-05	2.24E-05	7.22E-09	2.18E-08	1.26E-08	1.55E-08	1.40E-08	6.39E-09	5.61E-09	2.41E-10	5.82E-09	1.28E-09	2.10E-09	3.33E-09	5.87E-10	3.70E-10	1.37E-08
5384	477700	3849859.7	2.38E-05	2.91E-05	2.56E-05	8.25E-09	2.49E-08	1.44E-08	1.77E-08	1.60E-08	7.30E-09	6.41E-09	2.75E-10	6.65E-09	1.47E-09	2.40E-09	3.80E-09	6.70E-10	4.23E-10	1.57E-08
5385	477743.16	3849856.38	2.35E-05	2.88E-05	2.52E-05	8.14E-09	2.46E-08	1.42E-08	1.74E-08	1.58E-08	7.21E-09	6.33E-09	2.72E-10	6.57E-09	1.45E-09	2.37E-09	3.75E-09	6.62E-10	4.17E-10	1.55E-08
5386	478477.35	3850216.33	2.55E-05	3.13E-05	2.74E-05	8.85E-09	2.67E-08	1.55E-08	1.90E-08	1.72E-08	7.84E-09	6.88E-09	2.96E-10	7.14E-09	1.58E-09	2.57E-09	4.08E-09	7.19E-10	4.54E-10	1.68E-08
5387	478485.8	3850201.6	2.55E-05	3.12E-05	2.74E-05	8.83E-09	2.67E-08	1.54E-08	1.89E-08	1.71E-08	7.82E-09	6.86E-09	2.95E-10	7.12E-09	1.57E-09	2.57E-09	4.07E-09	7.18E-10	4.53E-10	1.68E-08
5388	479113.21	3850501.53	3.09E-05	3.78E-05	3.32E-05	1.07E-08	3.23E-08	1.87E-08	2.29E-08	2.08E-08	9.48E-09	8.32E-09	3.57E-10	8.63E-09	1.90E-09	3.11E-09	4.93E-09	8.70E-10	5.48E-10	2.04E-08
5389	479108.11	3850382.28	3.07E-05	3.76E-05	3.30E-05	1.07E-08	3.22E-08	1.86E-08	2.28E-08	2.07E-08	9.43E-09	8.28E-09	3.56E-10	8.59E-09	1.90E-09	3.10E-09	4.91E-09	8.66E-10	5.46E-10	2.03E-08
5390	479689.85	3850674.28	3.66E-05	4.48E-05	3.93E-05	1.27E-08	3.83E-08	2.22E-08	2.72E-08	2.46E-08	1.12E-08	9.85E-09	4.23E-10	1.02E-08	2.26E-09	3.69E-09	5.85E-09	1.03E-09	6.50E-10	2.41E-08
5391	479952.42	3850774.28	4.03E-05	4.94E-05	4.33E-05	1.40E-08	4.22E-08	2.44E-08	2.99E-08	2.71E-08	1.24E-08	1.08E-08	4.66E-10	1.13E-08	2.49E-09	4.06E-09	6.44E-09	1.13E-09	7.15E-10	2.66E-08
5392	479911.32	3850884.85	3.97E-05	4.86E-05	4.26E-05	1.37E-08	4.15E-08	2.40E-08	2.94E-08	2.67E-08	1.22E-08	1.07E-08	4.59E-10	1.11E-08	2.45E-09	3.99E-09	6.34E-09	1.12E-09	7.04E-10	2.61E-08
5393	480500.92	3851178.12	4.87E-05	5.97E-05	5.24E-05	1.69E-08	5.10E-08	2.95E-08	3.62E-08	3.28E-08	1.50E-08	1.31E-08	5.64E-10	1.36E-08	3.01E-09	4.91E-09	7.79E-09	1.37E-09	8.66E-10	3.21E-08
5394	480738.01	3851289.27	5.26E-05	6.44E-05	5.65E-05	1.82E-08	5.50E-08	3.18E-08	3.90E-08	3.54E-08	1.61E-08	1.42E-08	6.08E-10	1.47E-08	3.24E-09	5.30E-09	8.40E-09	1.48E-09	9.33E-10	3.47E-08
5395	481055.42	3851443.58	5.76E-05	7.05E-05	6.18E-05	1.99E-08	6.02E-08	3.49E-08	4.27E-08	3.87E-08	1.77E-08	1.55E-08	6.66E-10	1.61E-08	3.55E-09	5.80E-09	9.20E-09	1.62E-09	1.02E-09	3.79E-08
5396	481110.22	3851443.15	5.81E-05	7.11E-05	6.24E-05	2.01E-08	6.08E-08	3.52E-08	4.31E-08	3.91E-08	1.78E-08	1.56E-08	6.72E-10	1.62E-08	3.58E-09	5.85E-09	9.28E-09	1.64E-09	1.03E-09	3.83E-08
5397	481111.1	3851417.45	5.77E-05	7.07E-05	6.20E-05	2.00E-08	6.04E-08	3.50E-08	4.28E-08	3.88E-08	1.77E-08	1.55E-08	6.68E-10	1.61E-08	3.56E-09	5.82E-09	9.23E-09	1.63E-09	1.03E-09	3.81E-08
5398	482248.44	3852605.09	9.83E-05	1.20E-04	1.06E-04	3.41E-08	1.03E-07	5.95E-08	7.29E-08	6.61E-08	3.02E-08	2.65E-08	1.14E-09	2.75E-08	6.06E-09	9.90E-09	1.57E-08	2.77E-09	1.75E-09	6.48E-08
5399	482273.34	3852632.31	9.99E-05	1.22E-04	1.07E-04	3.46E-08	1.05E-07	6.05E-08	7.41E-08	6.72E-08	3.07E-08	2.69E-08	1.16E-09	2.79E-08	6.16E-09	1.01E-08	1.60E-08	2.81E-09	1.77E-09	6.59E-08
5400	482665.46	3853038.72	1.33E-04	1.63E-04	1.43E-04	4.62E-08	1.40E-07	8.08E-08	9.89E-08	8.97E-08	4.09E-08	3.59E-08	1.54E-09	3.73E-08	8.22E-09	1.34E-08	2.13E-08	3.76E-09	2.37E-09	8.79E-08
5401	483077.95	3853844.31	1.40E-03	1.71E-03	1.51E-03	4.84E-07	1.46E-06	8.46E-07	1.04E-06	9.40E-07	4.29E-07	3.78E-07	1.62E-08	3.90E-07	8.61E-08	1.41E-07	2.23E-07	3.94E-08	2.49E-08	9.21E-07
5402	483121.38	3853909.38	1.32E-03	1.62E-03	1.42E-03	4.57E-07	1.38E-06	7.99E-07	9.79E-07	8.88E-07	4.05E-07	3.57E-07	1.53E-08	3.69E-07	8.14E-08	1.33E-07	2.11E-07	3.72E-08	2.35E-08	8.70E-07
5403	483492.64	3853911.49	6.71E-04	8.22E-04	7.23E-04	2.32E-07	7.02E-07	4.06E-07	4.98E-07	4.51E-07	2.06E-07	1.81E-07	7.76E-09	1.87E-07	4.14E-08	6.76E-08	1.07E-07	1.89E-08	1.19E-08	4.42E-07
5404	483498.29	3854204.73	9.22E-04	1.13E-03	9.93E-04	3.19E-07	9.64E-07	5.58E-07	6.84E-07	6.20E-07	2.83E-07	2.49E-07	1.07E-08	2.58E-07	5.68E-08	9.29E-08	1.47E-07	2.60E-08	1.64E-08	6.08E-07
5405	484132.44	3854662.55	1.89E-03	2.31E-03	2.03E-03	6.54E-07	1.97E-06	1.14E-06	1.40E-06	1.27E-06	5.79E-07	5.09E-07	2.18E-08	5.27E-07	1.16E-07	1.90E-07	3.02E-07	5.31E-08	3.36E-08	1.24E-06
5406	484627.62	3854876.13	7.16E-03	8.78E-03	7.68E-03	2.48E-06	7.49E-06	4.34E-06	5.32E-06	4.82E-06	2.20E-06	1.92E-06	8.29E-08	2.00E-06	4.42E-07	7.22E-07	1.14E-06	2.02E-07	1.27E-07	4.72E-06
5407	484756.14	3854949.04	6.86E-03	8.41E-03	7.33E-03	2.38E-06	7.18E-06	4.16E-06	5.09E-06	4.62E-06	2.11E-06	1.84E-06	7.94E-08	1.92E-06	4.23E-07	6.91E-07	1.10E-06	1.93E-07	1.21E-07	4.52E-06
5408	486697.51	3856599.17	6.58E-03	8.06E-03	7.11E-03	2.28E-06	6.89E-06	3.99E-06	4.89E-06	4.43E-06	2.02E-06	1.78E-06	7.62E-08	1.84E-06	4.06E-07	6.63E-07	1.05E-06	1.85E-07	1.17E-07	4.34E-06
5409	487105.31	3856962.27	6.22E-03	7.61E-03	6.70E-03	2.15E-06	6.50E-06	3.77E-06	4.61E-06	4.18E-06	1.91E-06	1.68E-06	7.19E-08	1.74E-06	3.83E-07	6.26E-07	9.93E-07	1.75E-07	1.11E-07	4.10E-06
5410	487157.57	3856901.7	4.73E-03	5.79E-03	5.10E-03	1.64E-06	4.95E-06	2.87E-06	3.51E-06	3.18E-06	1.45E-06	1.28E-06	5.47E-08	1.32E-06	2.92E-07	4.77E-07	7.56E-07	1.33E-07	8.43E-08	3.12E-06
5411	487173.5	3856853.74	4.18E-03	5.12E-03	4.51E-03	1.45E-06	4.38E-06	2.53E-06	3.10E-06	2.81E-06	1.28E-06	1.13E-06	4.84E-08	1.17E-06	2.58E-07	4.21E-07	6.69E-07	1.18E-07	7.46E-08	2.76E-06
5412	487564.41	3856860.83	2.50E-03	3.07E-03	2.69E-03	8.67E-07	2.62E-06	1.52E-06	1.86E-06	1.68E-06	7.68E-07	6.75E-07	2.90E-08	7.00E-07	1.54E-07	2.52E-07	4.00E-07	7.05E-08	4.45E-08	1.65E-06
5413	487563.31	3856931.58	2.57E-03	3.15E-03	2.76E-03	8.92E-07	2.69E-06	1.56E-06	1.91E-06	1.73E-06	7.90E-07	6.93E-07	2.98E-08	7.19E-07	1.59E-07	2.59E-07	4.11E-07	7.25E-08	4.57E-08	1.70E-06
5414	487782.7	3856926.85	2.11E-03	2.58E-03	2.26E-03	7.30E-07	2.20E-06	1.28E-06	1.56E-06	1.42E-06	6.46E-07	5.66E-07	2.44E-08	5.89E-07	1.30E-07	2.12E-07	3.37E-07	5.93E-08	3.73E-08	1.39E-06
5415	487782.39	3856757.07	1.98E-03	2.42E-03	2.13E-03	6.85E-07	2.07E-06	1.20E-06	1.47E-06	1.33E-06	6.07E-07	5.33E-07	2.29E-08	5.53E-07	1.22E-07	1.99E-07	3.16E-07	5.57E-08	3.52E-08	1.30E-06
5416	487917.26	3856752.41	1.79E-03	2.20E-03	1.93E-03	6.21E-07	1.88E-06	1.09E-06	1.33E-06	1.21E-06	5.50E-07	4.83E-07	2.07E-08	5.01E-07	1.11E-07	1.81E-07	2.86E-07	5.05E-08	3.19E-08	1.18E-06
5417	487919.57	3856953.35	1.91E-03	2.34E-03	2.05E-03	6.63E-07	2.00E-06	1.16E-06	1.42E-06	1.29E-06	5.87E-07	5.13E-07	2.21E-08	5.35E-07	1.18E-07	1.93E-07	3.06E-07	5.39E-08	3.38E-08	1.26E-06
5418	487932.76	3857000.32	1.93E-03	2.36E-03	2.06E-03	6.68E-07	2.02E-06	1.17E-06	1.43E-06	1.30E-06	5.91E-07	5.16E-07	2.23E-08	5.38E-07	1.19E-07	1.94E-07	3.08E-07	5.42E-08	3.40E-08	1.27E-06
5419	487960.5	3857044.75	1.92E-03	2.35E-03	2.05E-03	6.65E-07	2.01E-06	1.16E-06	1.42E-06	1.29E-06	5.89E-07	5.13E-07	2.22E-08	5.36E-07	1.18E-07	1.93E-07	3.07E-07	5.40E-08	3.38E-08	1.26E-06
5420	488016.54	3857089.54	1.88E-03	2.30E-03	2.00E-03	6.50E-07	1.96E-06	1.14E-06	1.39E-06	1.26E-06	5.76E-07	5.01E-07	2.17E-08	5.24E-07	1.16E-07	1.89E-07	3.00E-07	5.28E-08	3.30E-08	1.24E-06
5421	488114.39	3857165.47	1.80E-03	2.20E-03	1.91E-03	6.23E-07	1.88E-06	1.09E-06	1.33E-06	1.21E-06	5.52E-07	4.79E-07	2.08E-08	5.03E-07	1.11E-07	1.81E-07	2.87E-07	5.07E-08	3.16E-08	1.19E-06
5422	488171.49	3857234.24	1.76E-03	2.16E-03	1.87E-03	6.10E-07	1.84E-06	1.07E-06	1.31E-06	1.18E-06	5.41E-07	4.69E-07	2.04E-08	4.92E-07	1.09E-07	1.77E-07	2.81E-07	4.96E-08	3.09E-08	1.16E-06

5423	488193.16	3857297.8	1.76E-03	2.15E-03	1.87E-03	6.09E-07	1.84E-06	1.07E-06	1.30E-06	1.18E-06	5.40E-07	4.68E-07	2.03E-08	4.92E-07	1.08E-07	1.77E-07	2.81E-07	4.95E-08	3.09E-08	1.16E-06
5424	488189.27	3857649.94	1.91E-03	2.33E-03	2.04E-03	6.61E-07	2.00E-06	1.15E-06	1.41E-06	1.28E-06	5.85E-07	5.11E-07	2.21E-08	5.33E-07	1.18E-07	1.92E-07	3.05E-07	5.37E-08	3.37E-08	1.26E-06
5425	488127.43	3857732.32	2.07E-03	2.53E-03	2.22E-03	7.16E-07	2.16E-06	1.25E-06	1.53E-06	1.39E-06	6.34E-07	5.55E-07	2.39E-08	5.78E-07	1.27E-07	2.08E-07	3.30E-07	5.82E-08	3.66E-08	1.36E-06
5426	488149.93	3857752.94	1.99E-03	2.44E-03	2.14E-03	6.90E-07	2.08E-06	1.21E-06	1.48E-06	1.34E-06	6.11E-07	5.35E-07	2.30E-08	5.57E-07	1.23E-07	2.01E-07	3.18E-07	5.61E-08	3.53E-08	1.31E-06
5427	488144.76	3857758.71	2.00E-03	2.45E-03	2.15E-03	6.94E-07	2.09E-06	1.21E-06	1.48E-06	1.35E-06	6.14E-07	5.38E-07	2.32E-08	5.60E-07	1.23E-07	2.02E-07	3.20E-07	5.64E-08	3.55E-08	1.32E-06
5428	488335.58	3857932.55	1.41E-03	1.72E-03	1.51E-03	4.88E-07	1.47E-06	8.53E-07	1.04E-06	9.47E-07	4.32E-07	3.79E-07	1.63E-08	3.94E-07	8.69E-08	1.42E-07	2.25E-07	3.96E-08	2.50E-08	9.28E-07
5429	488372.29	3857943.79	1.36E-03	1.66E-03	1.46E-03	4.70E-07	1.42E-06	8.21E-07	1.01E-06	9.11E-07	4.16E-07	3.65E-07	1.57E-08	3.79E-07	8.36E-08	1.37E-07	2.17E-07	3.82E-08	2.41E-08	8.94E-07
5430	488828.64	3857936.4	1.01E-03	1.24E-03	1.08E-03	3.50E-07	1.06E-06	6.12E-07	7.49E-07	6.79E-07	3.10E-07	2.71E-07	1.17E-08	2.82E-07	6.23E-08	1.02E-07	1.61E-07	2.84E-08	1.79E-08	6.66E-07
5431	488829.08	3857959.58	1.00E-03	1.23E-03	1.07E-03	3.47E-07	1.05E-06	6.06E-07	7.42E-07	6.73E-07	3.07E-07	2.69E-07	1.16E-08	2.80E-07	6.17E-08	1.01E-07	1.60E-07	2.82E-08	1.77E-08	6.60E-07
5432	488351.61	3857964.55	1.36E-03	1.67E-03	1.46E-03	4.72E-07	1.43E-06	8.25E-07	1.01E-06	9.16E-07	4.18E-07	3.67E-07	1.58E-08	3.81E-07	8.41E-08	1.37E-07	2.18E-07	3.84E-08	2.42E-08	8.98E-07
5433	488316.87	3857947.65	1.42E-03	1.73E-03	1.52E-03	4.91E-07	1.48E-06	8.58E-07	1.05E-06	9.52E-07	4.35E-07	3.81E-07	1.64E-08	3.96E-07	8.74E-08	1.43E-07	2.26E-07	3.99E-08	2.51E-08	9.34E-07
5434	488129.1	3857775.77	2.03E-03	2.49E-03	2.18E-03	7.03E-07	2.12E-06	1.23E-06	1.51E-06	1.36E-06	6.23E-07	5.46E-07	2.35E-08	5.67E-07	1.25E-07	2.04E-07	3.24E-07	5.71E-08	3.60E-08	1.34E-06
5435	488062.53	3857846.13	2.09E-03	2.56E-03	2.25E-03	7.26E-07	2.19E-06	1.27E-06	1.55E-06	1.41E-06	6.42E-07	5.64E-07	2.42E-08	5.85E-07	1.29E-07	2.11E-07	3.35E-07	5.90E-08	3.72E-08	1.38E-06
5436	488330.41	3858091.34	1.34E-03	1.64E-03	1.44E-03	4.65E-07	1.40E-06	8.12E-07	9.95E-07	9.02E-07	4.11E-07	3.61E-07	1.55E-08	3.75E-07	8.27E-08	1.35E-07	2.14E-07	3.78E-08	2.38E-08	8.84E-07
5437	488470.87	3858174.45	1.23E-03	1.50E-03	1.32E-03	4.26E-07	1.28E-06	7.44E-07	9.11E-07	8.26E-07	3.77E-07	3.31E-07	1.42E-08	3.43E-07	7.57E-08	1.24E-07	1.96E-07	3.46E-08	2.18E-08	8.10E-07
5438	488568.9	3858262.31	1.21E-03	1.48E-03	1.30E-03	4.19E-07	1.26E-06	7.32E-07	8.97E-07	8.13E-07	3.71E-07	3.26E-07	1.40E-08	3.38E-07	7.45E-08	1.22E-07	1.93E-07	3.40E-08	2.15E-08	7.97E-07
5439	488964.27	3858025.71	9.15E-04	1.12E-03	9.82E-04	3.17E-07	9.57E-07	5.54E-07	6.79E-07	6.15E-07	2.81E-07	2.46E-07	1.06E-08	2.56E-07	5.64E-08	9.21E-08	1.46E-07	2.58E-08	1.62E-08	6.03E-07
5440	489147.25	3857956.64	8.63E-04	1.06E-03	9.26E-04	2.99E-07	9.03E-07	5.23E-07	6.40E-07	5.81E-07	2.65E-07	2.32E-07	9.99E-09	2.41E-07	5.33E-08	8.70E-08	1.38E-07	2.43E-08	1.53E-08	5.69E-07
5441	489343.52	3857932.45	8.04E-04	9.85E-04	8.63E-04	2.79E-07	8.42E-07	4.87E-07	5.97E-07	5.41E-07	2.47E-07	2.16E-07	9.31E-09	2.25E-07	4.96E-08	8.10E-08	1.29E-07	2.27E-08	1.43E-08	5.30E-07
5442	489866.19	3857923.19	6.67E-04	8.17E-04	7.15E-04	2.31E-07	6.98E-07	4.04E-07	4.95E-07	4.49E-07	2.05E-07	1.79E-07	7.72E-09	1.86E-07	4.11E-08	6.72E-08	1.07E-07	1.88E-08	1.18E-08	4.40E-07
5443	489955.65	3857902.27	6.51E-04	7.97E-04	6.98E-04	2.26E-07	6.81E-07	3.94E-07	4.83E-07	4.38E-07	2.00E-07	1.75E-07	7.54E-09	1.82E-07	4.02E-08	6.56E-08	1.04E-07	1.83E-08	1.15E-08	4.29E-07
5444	490079.44	3857847.9	6.35E-04	7.77E-04	6.80E-04	2.20E-07	6.64E-07	3.84E-07	4.71E-07	4.27E-07	1.95E-07	1.70E-07	7.34E-09	1.77E-07	3.91E-08	6.39E-08	1.01E-07	1.79E-08	1.12E-08	4.18E-07
5445	490108.49	3857934.13	6.14E-04	7.52E-04	6.59E-04	2.13E-07	6.43E-07	3.72E-07	4.56E-07	4.13E-07	1.88E-07	1.65E-07	7.11E-09	1.72E-07	3.79E-08	6.19E-08	9.81E-08	1.73E-08	1.09E-08	4.05E-07
5446	489884.48	3858014.17	6.46E-04	7.91E-04	6.93E-04	2.24E-07	6.76E-07	3.91E-07	4.79E-07	4.35E-07	1.98E-07	1.74E-07	7.48E-09	1.81E-07	3.99E-08	6.51E-08	1.03E-07	1.82E-08	1.15E-08	4.26E-07
5447	489326.56	3858025.86	7.85E-04	9.62E-04	8.43E-04	2.72E-07	8.22E-07	4.76E-07	5.83E-07	5.28E-07	2.41E-07	2.11E-07	9.09E-09	2.20E-07	4.84E-08	7.91E-08	1.25E-07	2.21E-08	1.39E-08	5.18E-07
5448	489130.38	3858056.71	8.43E-04	1.03E-03	9.04E-04	2.92E-07	8.82E-07	5.10E-07	6.25E-07	5.67E-07	2.59E-07	2.27E-07	9.75E-09	2.36E-07	5.20E-08	8.49E-08	1.35E-07	2.37E-08	1.49E-08	5.55E-07
5449	488936.49	3858143.93	9.06E-04	1.11E-03	9.73E-04	3.14E-07	9.48E-07	5.49E-07	6.72E-07	6.09E-07	2.78E-07	2.44E-07	1.05E-08	2.53E-07	5.59E-08	9.12E-08	1.45E-07	2.55E-08	1.61E-08	5.97E-07
5450	488638.08	3858327.45	1.19E-03	1.46E-03	1.29E-03	4.14E-07	1.25E-06	7.24E-07	8.87E-07	8.04E-07	3.67E-07	3.22E-07	1.38E-08	3.34E-07	7.37E-08	1.20E-07	1.91E-07	3.37E-08	2.13E-08	7.88E-07
5451	488663.79	3858349.57	1.19E-03	1.46E-03	1.28E-03	4.12E-07	1.24E-06	7.20E-07	8.82E-07	8.00E-07	3.65E-07	3.21E-07	1.38E-08	3.32E-07	7.33E-08	1.20E-07	1.90E-07	3.35E-08	2.12E-08	7.84E-07
5452	488694.56	3858349.5	1.15E-03	1.41E-03	1.24E-03	3.99E-07	1.20E-06	6.97E-07	8.53E-07	7.74E-07	3.53E-07	3.10E-07	1.33E-08	3.21E-07	7.09E-08	1.16E-07	1.84E-07	3.24E-08	2.05E-08	7.58E-07
5453	488694.35	3858336.75	1.14E-03	1.39E-03	1.22E-03	3.94E-07	1.19E-06	6.89E-07	8.43E-07	7.65E-07	3.49E-07	3.07E-07	1.32E-08	3.18E-07	7.01E-08	1.15E-07	1.82E-07	3.20E-08	2.02E-08	7.49E-07
5454	488712.81	3858336.38	1.12E-03	1.37E-03	1.20E-03	3.87E-07	1.17E-06	6.76E-07	8.28E-07	7.50E-07	3.42E-07	3.01E-07	1.29E-08	3.12E-07	6.88E-08	1.12E-07	1.78E-07	3.14E-08	1.99E-08	7.36E-07
5455	488713.23	3858367.46	1.15E-03	1.41E-03	1.24E-03	3.98E-07	1.20E-06	6.95E-07	8.52E-07	7.72E-07	3.52E-07	3.10E-07	1.33E-08	3.21E-07	7.08E-08	1.16E-07	1.83E-07	3.23E-08	2.04E-08	7.57E-07
5456	488704.63	3858384.05	1.18E-03	1.44E-03	1.27E-03	4.09E-07	1.23E-06	7.14E-07	8.75E-07	7.93E-07	3.62E-07	3.18E-07	1.36E-08	3.30E-07	7.27E-08	1.19E-07	1.89E-07	3.32E-08	2.10E-08	7.78E-07
5457	488604.15	3858488.29	1.67E-03	2.05E-03	1.80E-03	5.79E-07	1.75E-06	1.01E-06	1.24E-06	1.12E-06	5.13E-07	4.51E-07	1.93E-08	4.67E-07	1.03E-07	1.68E-07	2.67E-07	4.70E-08	2.98E-08	1.10E-06
5458	488605.66	3858550.47	2.04E-03	2.50E-03	2.20E-03	7.07E-07	2.13E-06	1.24E-06	1.51E-06	1.37E-06	6.26E-07	5.51E-07	2.36E-08	5.70E-07	1.26E-07	2.06E-07	3.26E-07	5.75E-08	3.64E-08	1.34E-06
5459	488692.68	3858548.71	1.62E-03	1.98E-03	1.75E-03	5.61E-07	1.69E-06	9.81E-07	1.20E-06	1.09E-06	4.97E-07	4.38E-07	1.87E-08	4.53E-07	9.99E-08	1.63E-07	2.59E-07	4.56E-08	2.89E-08	1.07E-06
5460	488759.93	3858461.81	1.22E-03	1.49E-03	1.31E-03	4.21E-07	1.27E-06	7.37E-07	9.02E-07	8.18E-07	3.73E-07	3.28E-07	1.41E-08	3.40E-07	7.50E-08	1.23E-07	1.94E-07	3.43E-08	2.17E-08	8.02E-07
5461	488816.57	3858541.79	1.27E-03	1.56E-03	1.37E-03	4.40E-07	1.33E-06	7.70E-07	9.43E-07	8.55E-07	3.90E-07	3.43E-07	1.47E-08	3.55E-07	7.84E-08	1.28E-07	2.03E-07	3.58E-08	2.26E-08	8.38E-07
5462	488944.63	3858656.77	1.27E-03	1.55E-03	1.36E-03	4.38E-07	1.32E-06	7.66E-07	9.39E-07	8.51E-07	3.88E-07	3.42E-07	1.46E-08	3.54E-07	7.80E-08	1.27E-07	2.02E-07	3.56E-08	2.26E-08	8.34E-07
5463	489134.91	3858830.7	1.01E-03	1.24E-03	1.09E-03	3.50E-07	1.06E-06	6.12E-07	7.50E-07	6.80E-07	3.10E-07	2.73E-07	1.17E-08	2.82E-07	6.23E-08	1.02E-07	1.62E-07	2.85E-08	1.80E-08	6.66E-07
5464	489193.99	3858886.05	7.89E-04	9.66E-04	8.50E-04	2.73E-07	8.25E-07	4.78E-07	5.85E-07	5.31E-07	2.42E-07	2.13E-07	9.13E-09	2.20E-07	4.87E-08	7.95E-08	1.26E-07	2.22E-08	1.41E-08	5.20E-07
5465	489295.2	3858954.34	5.73E-04	7.01E-04	6.17E-04	1.98E-07	5.99E-07	3.47E-07	4.25E-07	3.85E-07	1.76E-07	1.55E-07	6.63E-09	1.60E-07	3.53E-08	5.77E-08	9.15E-08	1.61E-08	1.02E-08	3.78E-07
5466	489295.64	3858992.74	5.14E-04	6.29E-04	5.53E-04	1.78E-07	5.38E-07	3.11E-07	3.81E-07	3.46E-07	1.58E-07	1.39E-07	5.94E-09	1.44E-07	3.17E-08	5.18E-08	8.21E-08	1.45E-08	9.14E-09	3.39E-07
5467	489183.74	3858911.72	7.40E-04	9.06E-04	7.97E-04	2.56E-07	7.74E-07	4.48E-07	5.49E-07	4.98E-07	2.27E-07	2.00E-07	8.56E-09	2.07E-07	4.56E-08	7.45E-08	1.18E-07	2.08E-08	1.32E-08	4.88E-07
5468	488873.37	3858625.59	1.35E-03	1.65E-03	1.46E-03	4.68E-07	1.41E-06	8.18E-07	1.00E-06	9.08E-07	4.15E-07	3.65E-07	1.56E-08	3.77E-07	8.33E-08	1.36E-07	2.16E-07	3.80E-08	2.41E-08	8.90E-07
5469	488842.84	3858658.69	1.55E-03	1.90E-03	1.68E-03	5.39E-07	1.63E-06	9.41E-07	1.15E-06	1.05E-06	4.77E-07	4.20E-07	1.80E-08	4.34E-07	9.59E-08	1.57E-07	2.48E-07	4.38E-08	2.77E-08	1.02E-06
5470	488856.39	3858670.93	1.56E-03	1.91E-03	1.68E-03	5.39E-07	1.63E-06	9.42E-07	1.15E-06	1.05E-06	4.77E-07	4.20E-07	1.80E-08	4.35E-07	9.59E-08	1.57E-07	2.49E-07	4.38E-08	2.77E-08	1.03E-06
5471	488805.7	3858724.5	2.18E-03	2.67E-03	2.35E-03	7.56E-07	2.28E-06	1.32E-06	1.62E-06	1.47E-06	6.69E-07	5.90E-07	2.52E-08	6.09E-07	1.34E-07	2.20E-07	3.49E-07	6.14E-08	3.89E-08	1.44E-06
5472	488805.87	3858804.16	3.62E-03	4.44E-03	3.91E-03	1.25E-06	3.79E-06	2.19E-06	2.69E-06	2.44E-06	1.11E-06	9.80E-07	4.19E-08	1.01E-06	2.23E-07	3.65E-07	5.79E-07	1.02E-07	6.46E-08	2.39E-06
5473	488995.78	3858936.96	8.47E-04	1.04E-03	9.13E-04	2.93E-07	8.86E-07	5.13E-07	6.28E-07	5.70E-07	2.60E-07	2.29E-07	9.80E-09	2.37E-07	5.22E-08	8.53E-08	1.35E-07	2.39E-08	1.51E-08	5.58E-07
5474	489130.76	3859017.38	5.06E-04	6.19E-04	5.44E-04	1.75E-07	5.29E-07	3.06E-07	3.75E-07	3.40E-07	1.55E-07	1.36E-07	5.85E-09	1.41E-07	3.12E-08	5.09E-08	8.08E-08	1.42E-08	9.00E-09	3.33E-07
5475	489130.92	3859052.24	4.43E-04	5.43E-04	4.77E-04	1.54E-07	4.64E-07	2.69E-07	3.29E-07	2.98E-07	1.36E-07	1.20E-07	5.13E-09	1.24E-07	2.73E-08	4.47E-08	7.08E-08	1.25E-08	7.89E-09	2.92E-07
5476	489200.33	3859090.6	3.94E-04	4.83E-04	4.24E-04	1.37E-07	4.12E-07	2.39E-07	2.92E-07	2.65E-07	1.21E-07	1.06E-07	4.56E-09	1.10E-07	2.43E-08	3.97E-08	6.30E-08	1.11E-08	7.01E-09	2.60E-07
5477	489296.07	3859143.7	3.45E-04	4.23E-04	3.72E-04	1.20E-07	3.61E-07	2.09E-07	2.56E-07	2.32E-07	1.06E-07	9.31E-08	4.00E-09	9.66E-08	2.13E-08	3.48E-08	5.52E-08	9.73E-09	6.14E-09	2.28E-07
5478	489296.43	3858954.74	5.71E-04	7.00E-04	6.15E-04	1.98E-07	5.98E-07	3.46E-07	4.24E-07	3.84E-07	1.75E-07	1.54E-07	6.61E-09	1.60E-07	3.52E-08	5.76E-08	9.13E-08	1.61E-08	1.02E-08	3.77E-07
5479	489410.33	3859033.19	4.38E-04	5.36E-04	4.71E-04	1.52E-07	4.58E-07	2.65E-07	3.25E-07	2.95E-07	1.34E-07	1.18E-07	5.07E-09	1.22E-07	2.70E-08	4.41E-08	7.00E-08	1.23E-08	7.79E-09	2.89E-07
5480	489371.37	3859089.8	3.89E-04	4.77E-04	4.19E-04	1.35E-07	4.07E-07	2.36E-07	2.89E-07	2.62E-07	1.20E-07	1.05E-07	4.51E-09	1.09E-07	2.40E-08	3.92E-08	6.22E-08	1.10E-08	6.93E-09	2.57E-07
5481	489390.52	3859102.82	3.77E-04	4.62E-04	4.06E-04	1.31E-07	3.94E-07	2.28E-07	2.80E-07	2.53E-07	1.16E-07	1.02E-07	4.36E-09	1.05E-07	2.32E-08	3.80E-08	6.02E-08	1.06E-08	6.70E-09	2.48E-07
5482	489382.3	3859114.53	3.68E-04	4.50E-04	3.96E-04	1.27E-07	3.85E-07	2.23E-07	2.73E-07	2.47E-07	1.13E-07	9.91E-08	4.26E-09	1.03E-07	2.27E-08	3.70E-08	5.88E-08	1.04E-08	6.54E-09	2.42E-07
5483	489363.04	3859102.45	3.79E-04	4.64E-04	4.08E-04	1.31E-07	3.96E-07	2.29E-07	2.81E-07	2.55E-07	1.16E-07	1.02E-07	4.38E-09	1.06E-07	2.34E-08	3.82E-08	6.05E-08	1.07E-08	6.74E-09	2.50E-07

5484	489337.52	3859140.71	3.48E-04	4.26E-04	3.74E-04	1.21E-07	3.64E-07	2.11E-07	2.58E-07	2.34E-07	1.07E-07	9.38E-08	4.02E-09	9.72E-08	2.15E-08	3.50E-08	5.56E-08	9.80E-09	6.18E-09	2.29E-07
5485	489375.14	3859164.55	3.30E-04	4.05E-04	3.55E-04	1.15E-07	3.46E-07	2.00E-07	2.45E-07	2.22E-07	1.01E-07	8.91E-08	3.82E-09	9.24E-08	2.04E-08	3.33E-08	5.28E-08	9.31E-09	5.88E-09	2.18E-07
5486	489409.3	3859114.5	3.66E-04	4.49E-04	3.94E-04	1.27E-07	3.83E-07	2.22E-07	2.72E-07	2.46E-07	1.12E-07	9.88E-08	4.24E-09	1.02E-07	2.26E-08	3.69E-08	5.85E-08	1.03E-08	6.51E-09	2.42E-07
5487	489434.87	3859131.81	3.52E-04	4.31E-04	3.79E-04	1.22E-07	3.69E-07	2.13E-07	2.61E-07	2.37E-07	1.08E-07	9.49E-08	4.08E-09	9.84E-08	2.17E-08	3.55E-08	5.63E-08	9.92E-09	6.26E-09	2.32E-07
5488	489471.87	3859075.75	3.91E-04	4.79E-04	4.21E-04	1.36E-07	4.09E-07	2.37E-07	2.90E-07	2.63E-07	1.20E-07	1.05E-07	4.53E-09	1.09E-07	2.41E-08	3.94E-08	6.25E-08	1.10E-08	6.96E-09	2.58E-07
5489	489602.62	3859164.69	3.24E-04	3.96E-04	3.48E-04	1.12E-07	3.39E-07	1.96E-07	2.40E-07	2.18E-07	9.93E-08	8.72E-08	3.74E-09	9.04E-08	2.00E-08	3.26E-08	5.17E-08	9.11E-09	5.75E-09	2.13E-07
5490	489558.29	3859232.45	2.91E-04	3.57E-04	3.13E-04	1.01E-07	3.05E-07	1.76E-07	2.16E-07	1.96E-07	8.93E-08	7.84E-08	3.37E-09	8.14E-08	1.80E-08	2.93E-08	4.65E-08	8.20E-09	5.17E-09	1.92E-07
5491	489620.11	3859273.56	2.73E-04	3.34E-04	2.93E-04	9.45E-08	2.85E-07	1.65E-07	2.02E-07	1.83E-07	8.37E-08	7.34E-08	3.15E-09	7.62E-08	1.68E-08	2.75E-08	4.36E-08	7.68E-09	4.84E-09	1.80E-07
5492	489666.06	3859206.42	3.00E-04	3.68E-04	3.23E-04	1.04E-07	3.14E-07	1.82E-07	2.23E-07	2.02E-07	9.22E-08	8.09E-08	3.48E-09	8.40E-08	1.85E-08	3.03E-08	4.80E-08	8.46E-09	5.34E-09	1.98E-07
5493	489787.9	3859285.65	2.66E-04	3.25E-04	2.86E-04	9.20E-08	2.78E-07	1.61E-07	1.97E-07	1.79E-07	8.15E-08	7.16E-08	3.07E-09	7.42E-08	1.64E-08	2.68E-08	4.24E-08	7.48E-09	4.72E-09	1.75E-07
5494	489752.17	3859343.13	2.47E-04	3.02E-04	2.65E-04	8.56E-08	2.58E-07	1.50E-07	1.83E-07	1.66E-07	7.58E-08	6.65E-08	2.86E-09	6.90E-08	1.52E-08	2.49E-08	3.95E-08	6.95E-09	4.39E-09	1.63E-07
5495	489814.94	3859385.33	2.34E-04	2.87E-04	2.52E-04	8.11E-08	2.45E-07	1.42E-07	1.74E-07	1.57E-07	7.18E-08	6.30E-08	2.71E-09	6.54E-08	1.44E-08	2.36E-08	3.74E-08	6.59E-09	4.16E-09	1.54E-07
5496	489853.42	3859330.74	2.50E-04	3.06E-04	2.68E-04	8.65E-08	2.61E-07	1.51E-07	1.85E-07	1.68E-07	7.66E-08	6.73E-08	2.89E-09	6.98E-08	1.54E-08	2.52E-08	3.99E-08	7.03E-09	4.44E-09	1.65E-07
5497	489969.5	3859401.91	2.28E-04	2.80E-04	2.46E-04	7.92E-08	2.39E-07	1.38E-07	1.69E-07	1.54E-07	7.01E-08	6.15E-08	2.64E-09	6.39E-08	1.41E-08	2.30E-08	3.65E-08	6.43E-09	4.06E-09	1.51E-07
5498	490166.91	3859486.96	2.07E-04	2.53E-04	2.22E-04	7.17E-08	2.17E-07	1.25E-07	1.54E-07	1.39E-07	6.35E-08	5.57E-08	2.39E-09	5.78E-08	1.28E-08	2.08E-08	3.31E-08	5.83E-09	3.68E-09	1.36E-07
5499	490128.86	3859571.46	1.90E-04	2.33E-04	2.05E-04	6.60E-08	1.99E-07	1.15E-07	1.41E-07	1.28E-07	5.85E-08	5.13E-08	2.20E-09	5.33E-08	1.18E-08	1.92E-08	3.04E-08	5.37E-09	3.38E-09	1.26E-07
5500	490186.65	3859593.65	1.86E-04	2.28E-04	2.00E-04	6.46E-08	1.95E-07	1.13E-07	1.38E-07	1.25E-07	5.72E-08	5.02E-08	2.16E-09	5.21E-08	1.15E-08	1.88E-08	2.98E-08	5.25E-09	3.31E-09	1.23E-07
5501	490223.74	3859517.48	2.01E-04	2.46E-04	2.15E-04	6.95E-08	2.10E-07	1.21E-07	1.49E-07	1.35E-07	6.15E-08	5.40E-08	2.32E-09	5.60E-08	1.24E-08	2.02E-08	3.20E-08	5.65E-09	3.56E-09	1.32E-07
5502	490846.34	3859817.22	1.56E-04	1.91E-04	1.67E-04	5.40E-08	1.63E-07	9.43E-08	1.16E-07	1.05E-07	4.78E-08	4.19E-08	1.80E-09	4.35E-08	9.60E-09	1.57E-08	2.49E-08	4.38E-09	2.76E-09	1.03E-07
5503	490925.65	3859844.59	1.53E-04	1.87E-04	1.64E-04	5.30E-08	1.60E-07	9.26E-08	1.13E-07	1.03E-07	4.69E-08	4.11E-08	1.77E-09	4.27E-08	9.43E-09	1.54E-08	2.44E-08	4.31E-09	2.71E-09	1.01E-07
5504	491159.29	3859896.28	1.46E-04	1.79E-04	1.57E-04	5.08E-08	1.53E-07	8.87E-08	1.09E-07	9.85E-08	4.49E-08	3.94E-08	1.69E-09	4.09E-08	9.03E-09	1.48E-08	2.34E-08	4.12E-09	2.60E-09	9.65E-08
5505	491370.69	3859960.89	1.39E-04	1.70E-04	1.49E-04	4.82E-08	1.46E-07	8.42E-08	1.03E-07	9.35E-08	4.27E-08	3.74E-08	1.61E-09	3.89E-08	8.58E-09	1.40E-08	2.22E-08	3.92E-09	2.47E-09	9.17E-08
5506	491330.28	3860063.17	1.29E-04	1.57E-04	1.38E-04	4.46E-08	1.35E-07	7.79E-08	9.54E-08	8.65E-08	3.95E-08	3.46E-08	1.49E-09	3.59E-08	7.93E-09	1.30E-08	2.05E-08	3.62E-09	2.28E-09	8.48E-08
5507	491636.45	3860180.75	1.20E-04	1.47E-04	1.29E-04	4.16E-08	1.26E-07	7.27E-08	8.90E-08	8.07E-08	3.68E-08	3.23E-08	1.39E-09	3.35E-08	7.40E-09	1.21E-08	1.92E-08	3.38E-09	2.13E-09	7.91E-08
5508	491617.94	3860203.93	1.18E-04	1.44E-04	1.27E-04	4.09E-08	1.23E-07	7.15E-08	8.75E-08	7.93E-08	3.62E-08	3.17E-08	1.37E-09	3.30E-08	7.28E-09	1.19E-08	1.89E-08	3.32E-09	2.09E-09	7.78E-08
5509	491805.68	3860271.59	1.14E-04	1.39E-04	1.22E-04	3.93E-08	1.19E-07	6.88E-08	8.42E-08	7.63E-08	3.48E-08	3.05E-08	1.31E-09	3.17E-08	7.00E-09	1.14E-08	1.81E-08	3.20E-09	2.01E-09	7.48E-08
5510	491654.23	3860414.02	1.04E-04	1.27E-04	1.12E-04	3.60E-08	1.09E-07	6.29E-08	7.70E-08	6.98E-08	3.19E-08	2.79E-08	1.20E-09	2.90E-08	6.40E-09	1.05E-08	1.66E-08	2.92E-09	1.84E-09	6.84E-08
5511	491592.62	3860510.76	9.75E-05	1.19E-04	1.05E-04	3.38E-08	1.02E-07	5.91E-08	7.24E-08	6.56E-08	2.99E-08	2.62E-08	1.13E-09	2.73E-08	6.02E-09	9.82E-09	1.56E-08	2.75E-09	1.73E-09	6.43E-08
5512	491475.41	3860368.93	1.05E-04	1.29E-04	1.13E-04	3.64E-08	1.10E-07	6.36E-08	7.79E-08	7.06E-08	3.22E-08	2.83E-08	1.22E-09	2.94E-08	6.48E-09	1.06E-08	1.68E-08	2.96E-09	1.86E-09	6.92E-08
5513	491445.61	3860337.28	1.07E-04	1.31E-04	1.15E-04	3.71E-08	1.12E-07	6.48E-08	7.93E-08	7.19E-08	3.28E-08	2.88E-08	1.24E-09	2.99E-08	6.59E-09	1.08E-08	1.71E-08	3.01E-09	1.90E-09	7.05E-08
5514	491399.05	3860300.37	1.09E-04	1.34E-04	1.18E-04	3.79E-08	1.14E-07	6.63E-08	8.12E-08	7.36E-08	3.36E-08	2.94E-08	1.27E-09	3.06E-08	6.75E-09	1.10E-08	1.75E-08	3.08E-09	1.94E-09	7.21E-08
5515	491228.84	3860235.98	1.14E-04	1.39E-04	1.22E-04	3.94E-08	1.19E-07	6.88E-08	8.43E-08	7.64E-08	3.49E-08	3.06E-08	1.31E-09	3.17E-08	7.01E-09	1.14E-08	1.81E-08	3.20E-09	2.02E-09	7.49E-08
5516	491228.47	3860174.57	1.18E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.17E-08	8.78E-08	7.96E-08	3.63E-08	3.19E-08	1.37E-09	3.31E-08	7.30E-09	1.19E-08	1.89E-08	3.33E-09	2.10E-09	7.80E-08
5517	491145.77	3860112.55	1.24E-04	1.52E-04	1.33E-04	4.29E-08	1.29E-07	7.50E-08	9.18E-08	8.32E-08	3.80E-08	3.33E-08	1.43E-09	3.46E-08	7.63E-09	1.25E-08	1.98E-08	3.48E-09	2.20E-09	8.16E-08
5518	490844.41	3859966.22	1.38E-04	1.70E-04	1.49E-04	4.80E-08	1.45E-07	8.39E-08	1.03E-07	9.31E-08	4.25E-08	3.73E-08	1.60E-09	3.87E-08	8.54E-09	1.39E-08	2.21E-08	3.90E-09	2.46E-09	9.13E-08
5519	490845.55	3859928.15	1.42E-04	1.74E-04	1.53E-04	4.94E-08	1.49E-07	8.63E-08	1.06E-07	9.58E-08	4.37E-08	3.83E-08	1.65E-09	3.98E-08	8.79E-09	1.44E-08	2.28E-08	4.01E-09	2.53E-09	9.39E-08
5520	490046.91	3859625.6	1.82E-04	2.23E-04	1.95E-04	6.30E-08	1.90E-07	1.10E-07	1.35E-07	1.22E-07	5.58E-08	4.89E-08	2.10E-09	5.08E-08	1.12E-08	1.83E-08	2.90E-08	5.12E-09	3.23E-09	1.20E-07
5521	489970.48	3859589.4	1.88E-04	2.31E-04	2.02E-04	6.53E-08	1.97E-07	1.14E-07	1.40E-07	1.27E-07	5.78E-08	5.07E-08	2.18E-09	5.26E-08	1.16E-08	1.90E-08	3.01E-08	5.30E-09	3.34E-09	1.24E-07
5522	489865.89	3859529.06	2.00E-04	2.45E-04	2.15E-04	6.94E-08	2.09E-07	1.21E-07	1.48E-07	1.35E-07	6.14E-08	5.39E-08	2.32E-09	5.59E-08	1.23E-08	2.02E-08	3.20E-08	5.64E-09	3.55E-09	1.32E-07
5523	489826.89	3859531.74	2.00E-04	2.45E-04	2.15E-04	6.94E-08	2.09E-07	1.21E-07	1.48E-07	1.35E-07	6.14E-08	5.39E-08	2.32E-09	5.59E-08	1.23E-08	2.02E-08	3.20E-08	5.64E-09	3.55E-09	1.32E-07
5524	489410.47	3859303.06	2.63E-04	3.22E-04	2.83E-04	9.12E-08	2.75E-07	1.59E-07	1.95E-07	1.77E-07	8.08E-08	7.09E-08	3.05E-09	7.36E-08	1.62E-08	2.65E-08	4.21E-08	7.41E-09	4.68E-09	1.74E-07
5525	489407.15	3859286.09	2.69E-04	3.30E-04	2.89E-04	9.33E-08	2.82E-07	1.63E-07	2.00E-07	1.81E-07	8.26E-08	7.25E-08	3.11E-09	7.52E-08	1.66E-08	2.71E-08	4.30E-08	7.58E-09	4.78E-09	1.77E-07
5526	488806.07	3858963.62	6.47E-04	7.93E-04	6.98E-04	2.24E-07	6.78E-07	3.92E-07	4.81E-07	4.36E-07	1.99E-07	1.75E-07	7.49E-09	1.81E-07	3.99E-08	6.52E-08	1.03E-07	1.82E-08	1.15E-08	4.27E-07
5527	488817.64	3859546.3	2.00E-04	2.45E-04	2.15E-04	6.93E-08	2.09E-07	1.21E-07	1.48E-07	1.35E-07	6.14E-08	5.39E-08	2.31E-09	5.59E-08	1.23E-08	2.01E-08	3.20E-08	5.63E-09	3.55E-09	1.32E-07
5528	489187.25	3859549.52	2.04E-04	2.50E-04	2.19E-04	7.07E-08	2.14E-07	1.24E-07	1.51E-07	1.37E-07	6.26E-08	5.50E-08	2.36E-09	5.71E-08	1.26E-08	2.06E-08	3.26E-08	5.75E-09	3.63E-09	1.35E-07
5529	489187.66	3859523.74	2.10E-04	2.57E-04	2.25E-04	7.26E-08	2.19E-07	1.27E-07	1.55E-07	1.41E-07	6.43E-08	5.64E-08	2.42E-09	5.86E-08	1.29E-08	2.11E-08	3.35E-08	5.90E-09	3.72E-09	1.38E-07
5530	489232.59	3859522.85	2.11E-04	2.58E-04	2.26E-04	7.30E-08	2.20E-07	1.28E-07	1.56E-07	1.42E-07	6.46E-08	5.67E-08	2.44E-09	5.89E-08	1.30E-08	2.12E-08	3.36E-08	5.93E-09	3.74E-09	1.39E-07
5531	489224.98	3859759.91	1.69E-04	2.07E-04	1.82E-04	5.86E-08	1.77E-07	1.02E-07	1.26E-07	1.14E-07	5.19E-08	4.55E-08	1.96E-09	4.73E-08	1.04E-08	1.70E-08	2.70E-08	4.76E-09	3.00E-09	1.12E-07
5532	488401.39	3859763.34	1.61E-04	1.97E-04	1.73E-04	5.58E-08	1.68E-07	9.75E-08	1.19E-07	1.08E-07	4.94E-08	4.34E-08	1.86E-09	4.50E-08	9.93E-09	1.62E-08	2.57E-08	4.53E-09	2.86E-09	1.06E-07
5533	488405.51	3859966.16	1.39E-04	1.71E-04	1.50E-04	4.83E-08	1.46E-07	8.44E-08	1.03E-07	9.38E-08	4.28E-08	3.75E-08	1.61E-09	3.90E-08	8.60E-09	1.40E-08	2.23E-08	3.93E-09	2.48E-09	9.19E-08
5534	489202.85	3859956.57	1.46E-04	1.79E-04	1.57E-04	5.06E-08	1.53E-07	8.85E-08	1.08E-07	9.82E-08	4.48E-08	3.93E-08	1.69E-09	4.08E-08	9.01E-09	1.47E-08	2.33E-08	4.11E-09	2.59E-09	9.63E-08
5535	489191.9	3860676.74	9.57E-05	1.17E-04	1.03E-04	3.32E-08	1.00E-07	5.80E-08	7.10E-08	6.43E-08	2.94E-08	2.58E-08	1.11E-09	2.67E-08	5.90E-09	9.64E-09	1.53E-08	2.69E-09	1.70E-09	6.31E-08
5536	488392.82	3860687.88	9.41E-05	1.15E-04	1.01E-04	3.26E-08	9.85E-08	5.70E-08	6.99E-08	6.33E-08	2.89E-08	2.53E-08	1.09E-09	2.63E-08	5.81E-09	9.48E-09	1.50E-08	2.65E-09	1.67E-09	6.21E-08
5537	488392.82	3860760.27	9.16E-05	1.12E-04	9.84E-05	3.18E-08	9.59E-08	5.55E-08	6.80E-08	6.16E-08	2.81E-08	2.47E-08	1.06E-09	2.56E-08	5.65E-09	9.23E-09	1.46E-08	2.58E-09	1.63E-09	6.04E-08
5538	487549.05	3860777.45	8.86E-05	1.09E-04	9.52E-05	3.07E-08	9.27E-08	5.37E-08	6.57E-08	5.96E-08	2.72E-08	2.39E-08	1.03E-09	2.48E-08	5.47E-09	8.93E-09	1.42E-08	2.50E-09	1.57E-09	5.84E-08
5539	487554.62	3859571.83	1.72E-04	2.11E-04	1.85E-04	5.96E-08	1.80E-07	1.04E-07	1.28E-07	1.16E-07	5.28E-08	4.63E-08	1.99E-09	4.81E-08	1.06E-08	1.73E-08	2.75E-08	4.84E-09	3.05E-09	1.13E-07
5540	485949.46	3859558.54	1.48E-04	1.81E-04	1.59E-04	5.13E-08	1.55E-07	8.97E-08	1.10E-07	9.96E-08	4.54E-08	3.98E-08	1.71E-09	4.14E-08	9.13E-09	1.49E-08	2.37E-08	4.17E-09	2.63E-09	9.76E-08
5541	485947.55	3857943.61	4.08E-04	5.00E-04	4.38E-04	1.42E-07	4.27E-07	2.47E-07	3.03E-07	2.75E-07	1.25E-07	1.10E-07	4.73E-09	1.14E-07	2.52E-08	4.11E-08	6.53E-08	1.15E-08	7.24E-09	2.69E-07
5542	484738.38	3857940.21	2.63E-04	3.22E-04	2.82E-04	9.10E-08	2.75E-07	1.59E-07	1.95E-07	1.77E-07	8.06E-08	7.07E-08	3.04E-09	7.34E-08	1.62E-08	2.64E-08	4.20E-08	7.39E-09	4.66E-09	1.73E-07
5543	484737.06	3857535.68	3.22E-04	3.95E-04	3.47E-04	1.12E-07	3.37E-07	1.95E-07	2.39E-07	2.17E-07	9.89E-08	8.68E-08	3.73E-09	9.01E-08	1.99E-08	3.25E-08	5.15E-08	9.08E-09	5.73E-09	2.12E-07
5544	483730.2	3857530.13	2.31E-04	2.83E-04	2.49E-04	8.02E-08	2.42E-07	1.40E-07	1.72E-07	1.56E-07	7.10E-08	6.23E-08	2.68E-09	6.47E-08	1.43E-08	2.33E-08	3.70E-08	6.52E-09	4.11E-09	1.53E-07

5545	483727.27	3857130.01	2.71E-04	3.32E-04	2.91E-04	9.38E-08	2.83E-07	1.64E-07	2.01E-07	1.82E-07	8.31E-08	7.29E-08	3.13E-09	7.57E-08	1.67E-08	2.73E-08	4.33E-08	7.62E-09	4.81E-09	1.78E-07
5546	483124.42	3857123.45	2.19E-04	2.69E-04	2.36E-04	7.60E-08	2.30E-07	1.33E-07	1.63E-07	1.48E-07	6.73E-08	5.91E-08	2.54E-09	6.13E-08	1.35E-08	2.21E-08	3.51E-08	6.18E-09	3.90E-09	1.45E-07
5547	483111.13	3855921.03	3.22E-04	3.95E-04	3.46E-04	1.12E-07	3.37E-07	1.95E-07	2.39E-07	2.17E-07	9.89E-08	8.67E-08	3.73E-09	9.01E-08	1.99E-08	3.25E-08	5.15E-08	9.08E-09	5.72E-09	2.13E-07
5548	482701.73	3855918.24	2.65E-04	3.24E-04	2.84E-04	9.18E-08	2.77E-07	1.60E-07	1.96E-07	1.78E-07	8.13E-08	7.12E-08	3.06E-09	7.40E-08	1.63E-08	2.67E-08	4.23E-08	7.46E-09	4.70E-09	1.75E-07
5549	482668.02	3853521.78	2.85E-04	3.49E-04	3.07E-04	9.88E-08	2.98E-07	1.73E-07	2.12E-07	1.92E-07	8.75E-08	7.70E-08	3.30E-09	7.97E-08	1.76E-08	2.87E-08	4.56E-08	8.03E-09	5.08E-09	1.88E-07
5550	482579.91	3853219.19	1.52E-04	1.86E-04	1.63E-04	5.26E-08	1.59E-07	9.19E-08	1.13E-07	1.02E-07	4.66E-08	4.09E-08	1.76E-09	4.24E-08	9.36E-09	1.53E-08	2.42E-08	4.27E-09	2.70E-09	1.00E-07
5551	482434.06	3852961.94	1.22E-04	1.49E-04	1.31E-04	4.22E-08	1.27E-07	7.37E-08	9.03E-08	8.18E-08	3.73E-08	3.28E-08	1.41E-09	3.40E-08	7.50E-09	1.23E-08	1.94E-08	3.43E-09	2.16E-09	8.02E-08
5552	482332.11	3852832.85	1.11E-04	1.36E-04	1.19E-04	3.84E-08	1.16E-07	6.72E-08	8.23E-08	7.46E-08	3.41E-08	2.99E-08	1.28E-09	3.10E-08	6.84E-09	1.12E-08	1.77E-08	3.12E-09	1.97E-09	7.31E-08
5553	481334.99	3851818.96	6.53E-05	8.00E-05	7.01E-05	2.26E-08	6.83E-08	3.95E-08	4.84E-08	4.39E-08	2.00E-08	1.76E-08	7.55E-10	1.82E-08	4.03E-09	6.58E-09	1.04E-08	1.84E-09	1.16E-09	4.30E-08
5554	481127.62	3851646.36	6.03E-05	7.39E-05	6.48E-05	2.09E-08	6.32E-08	3.66E-08	4.48E-08	4.06E-08	1.85E-08	1.62E-08	6.98E-10	1.69E-08	3.72E-09	6.08E-09	9.65E-09	1.70E-09	1.07E-09	3.98E-08
5555	481025.04	3851591.73	5.84E-05	7.15E-05	6.27E-05	2.02E-08	6.11E-08	3.54E-08	4.33E-08	3.93E-08	1.79E-08	1.57E-08	6.76E-10	1.63E-08	3.60E-09	5.88E-09	9.33E-09	1.64E-09	1.04E-09	3.85E-08
5556	480513.6	3851335.76	4.91E-05	6.01E-05	5.27E-05	1.70E-08	5.14E-08	2.97E-08	3.64E-08	3.30E-08	1.51E-08	1.32E-08	5.68E-10	1.37E-08	3.03E-09	4.95E-09	7.85E-09	1.38E-09	8.72E-10	3.24E-08
5557	480523.56	3851317.66	4.93E-05	6.03E-05	5.29E-05	1.71E-08	5.15E-08	2.98E-08	3.65E-08	3.31E-08	1.51E-08	1.33E-08	5.70E-10	1.38E-08	3.04E-09	4.96E-09	7.87E-09	1.39E-09	8.75E-10	3.25E-08
5558	476921.56	3849569.11	2.21E-05	2.70E-05	2.37E-05	7.64E-09	2.31E-08	1.34E-08	1.64E-08	1.48E-08	6.77E-09	5.94E-09	2.55E-10	6.16E-09	1.36E-09	2.22E-09	3.52E-09	6.21E-10	3.92E-10	1.45E-08
5559	476521.19	3849373.96	2.05E-05	2.51E-05	2.20E-05	7.10E-09	2.14E-08	1.24E-08	1.52E-08	1.38E-08	6.29E-09	5.52E-09	2.37E-10	5.73E-09	1.26E-09	2.07E-09	3.28E-09	5.77E-10	3.64E-10	1.35E-08
5560	476391.45	3849333.38	2.03E-05	2.48E-05	2.18E-05	7.03E-09	2.12E-08	1.23E-08	1.51E-08	1.36E-08	6.23E-09	5.46E-09	2.35E-10	5.67E-09	1.25E-09	2.04E-09	3.24E-09	5.71E-10	3.60E-10	1.34E-08
5561	476219.41	3849304.29	2.01E-05	2.46E-05	2.16E-05	6.97E-09	2.10E-08	1.22E-08	1.49E-08	1.35E-08	6.17E-09	5.41E-09	2.33E-10	5.62E-09	1.24E-09	2.03E-09	3.21E-09	5.66E-10	3.57E-10	1.33E-08
5562	475679.11	3849218.47	1.92E-05	2.35E-05	2.06E-05	6.65E-09	2.01E-08	1.16E-08	1.42E-08	1.29E-08	5.89E-09	5.17E-09	2.22E-10	5.36E-09	1.18E-09	1.93E-09	3.07E-09	5.40E-10	3.41E-10	1.27E-08
5563	475677.71	3849233.88	1.93E-05	2.36E-05	2.07E-05	6.69E-09	2.02E-08	1.17E-08	1.43E-08	1.30E-08	5.93E-09	5.20E-09	2.23E-10	5.40E-09	1.19E-09	1.95E-09	3.09E-09	5.44E-10	3.43E-10	1.27E-08
5564	475492.74	3849204.66	1.75E-05	2.14E-05	1.88E-05	6.07E-09	1.83E-08	1.06E-08	1.30E-08	1.18E-08	5.37E-09	4.71E-09	2.03E-10	4.89E-09	1.08E-09	1.76E-09	2.80E-09	4.93E-10	3.11E-10	1.15E-08
5565	475497.64	3849158.75	1.79E-05	2.19E-05	1.92E-05	6.21E-09	1.87E-08	1.09E-08	1.33E-08	1.20E-08	5.50E-09	4.82E-09	2.07E-10	5.01E-09	1.10E-09	1.80E-09	2.86E-09	5.05E-10	3.18E-10	1.18E-08
5566	475391.35	3849141.94	1.83E-05	2.25E-05	1.97E-05	6.36E-09	1.92E-08	1.11E-08	1.36E-08	1.23E-08	5.63E-09	4.94E-09	2.12E-10	5.13E-09	1.13E-09	1.85E-09	2.93E-09	5.17E-10	3.26E-10	1.21E-08
5567	475277	3849095.47	1.83E-05	2.24E-05	1.96E-05	6.33E-09	1.91E-08	1.11E-08	1.36E-08	1.23E-08	5.61E-09	4.92E-09	2.12E-10	5.11E-09	1.13E-09	1.84E-09	2.92E-09	5.15E-10	3.25E-10	1.21E-08
5568	475183.93	3849025.66	1.79E-05	2.20E-05	1.93E-05	6.21E-09	1.88E-08	1.09E-08	1.33E-08	1.21E-08	5.50E-09	4.82E-09	2.07E-10	5.01E-09	1.11E-09	1.81E-09	2.86E-09	5.05E-10	3.18E-10	1.18E-08
5569	474453.23	3848378.77	1.55E-05	1.90E-05	1.67E-05	5.37E-09	1.62E-08	9.39E-09	1.15E-08	1.04E-08	4.76E-09	4.17E-09	1.79E-10	4.33E-09	9.56E-10	1.56E-09	2.48E-09	4.37E-10	2.75E-10	1.02E-08
5570	474569.63	3848399.34	1.54E-05	1.89E-05	1.66E-05	5.34E-09	1.61E-08	9.33E-09	1.14E-08	1.04E-08	4.73E-09	4.15E-09	1.78E-10	4.31E-09	9.50E-10	1.55E-09	2.46E-09	4.34E-10	2.74E-10	1.02E-08
5571	474644.33	3848464.52	1.57E-05	1.92E-05	1.68E-05	5.43E-09	1.64E-08	9.49E-09	1.16E-08	1.05E-08	4.81E-09	4.22E-09	1.81E-10	4.38E-09	9.66E-10	1.58E-09	2.50E-09	4.41E-10	2.78E-10	1.03E-08
5572	474719.04	3848529.7	1.59E-05	1.95E-05	1.71E-05	5.51E-09	1.66E-08	9.63E-09	1.18E-08	1.07E-08	4.88E-09	4.28E-09	1.84E-10	4.44E-09	9.81E-10	1.60E-09	2.54E-09	4.48E-10	2.82E-10	1.05E-08
5573	474793.74	3848594.88	1.60E-05	1.96E-05	1.72E-05	5.56E-09	1.68E-08	9.72E-09	1.19E-08	1.08E-08	4.92E-09	4.32E-09	1.86E-10	4.48E-09	9.89E-10	1.62E-09	2.56E-09	4.52E-10	2.85E-10	1.06E-08
5574	474868.45	3848660.07	1.61E-05	1.97E-05	1.73E-05	5.58E-09	1.68E-08	9.75E-09	1.19E-08	1.08E-08	4.94E-09	4.33E-09	1.86E-10	4.50E-09	9.93E-10	1.62E-09	2.57E-09	4.53E-10	2.86E-10	1.06E-08
5575	474943.15	3848725.25	1.63E-05	1.99E-05	1.75E-05	5.64E-09	1.70E-08	9.86E-09	1.21E-08	1.09E-08	5.00E-09	4.38E-09	1.88E-10	4.55E-09	1.00E-09	1.64E-09	2.60E-09	4.58E-10	2.89E-10	1.07E-08
5576	475017.86	3848790.43	1.66E-05	2.03E-05	1.78E-05	5.74E-09	1.73E-08	1.00E-08	1.23E-08	1.11E-08	5.09E-09	4.46E-09	1.92E-10	4.63E-09	1.02E-09	1.67E-09	2.65E-09	4.67E-10	2.94E-10	1.09E-08
5577	475092.56	3848855.61	1.69E-05	2.08E-05	1.82E-05	5.87E-09	1.77E-08	1.03E-08	1.26E-08	1.14E-08	5.20E-09	4.56E-09	1.96E-10	4.74E-09	1.05E-09	1.71E-09	2.71E-09	4.77E-10	3.01E-10	1.12E-08
5578	475232.58	3848959.38	1.75E-05	2.14E-05	1.88E-05	6.06E-09	1.83E-08	1.06E-08	1.30E-08	1.18E-08	5.36E-09	4.70E-09	2.02E-10	4.88E-09	1.08E-09	1.76E-09	2.79E-09	4.92E-10	3.10E-10	1.15E-08
5579	475368.47	3849029.98	1.77E-05	2.17E-05	1.90E-05	6.13E-09	1.85E-08	1.07E-08	1.31E-08	1.19E-08	5.43E-09	4.76E-09	2.05E-10	4.95E-09	1.09E-09	1.78E-09	2.83E-09	4.98E-10	3.14E-10	1.17E-08
5580	475609.57	3849096.09	1.78E-05	2.18E-05	1.91E-05	6.17E-09	1.86E-08	1.08E-08	1.32E-08	1.20E-08	5.47E-09	4.79E-09	2.06E-10	4.98E-09	1.10E-09	1.79E-09	2.85E-09	5.02E-10	3.16E-10	1.17E-08
5581	475680.68	3849116.62	1.82E-05	2.23E-05	1.95E-05	6.30E-09	1.90E-08	1.10E-08	1.35E-08	1.22E-08	5.58E-09	4.89E-09	2.10E-10	5.08E-09	1.12E-09	1.83E-09	2.91E-09	5.12E-10	3.23E-10	1.20E-08
5582	475843.76	3849151.52	1.86E-05	2.28E-05	2.00E-05	6.45E-09	1.95E-08	1.13E-08	1.38E-08	1.25E-08	5.72E-09	5.01E-09	2.16E-10	5.21E-09	1.15E-09	1.88E-09	2.98E-09	5.25E-10	3.31E-10	1.23E-08
5583	475935.73	3849165.89	1.90E-05	2.33E-05	2.05E-05	6.60E-09	1.99E-08	1.15E-08	1.41E-08	1.28E-08	5.85E-09	5.13E-09	2.20E-10	5.32E-09	1.17E-09	1.92E-09	3.04E-09	5.36E-10	3.38E-10	1.26E-08
5584	476027.71	3849180.27	1.94E-05	2.37E-05	2.08E-05	6.71E-09	2.03E-08	1.17E-08	1.44E-08	1.30E-08	5.94E-09	5.21E-09	2.24E-10	5.41E-09	1.19E-09	1.95E-09	3.10E-09	5.46E-10	3.44E-10	1.28E-08
5585	476119.68	3849194.64	1.91E-05	2.34E-05	2.06E-05	6.63E-09	2.00E-08	1.16E-08	1.42E-08	1.29E-08	5.87E-09	5.15E-09	2.22E-10	5.35E-09	1.18E-09	1.93E-09	3.06E-09	5.39E-10	3.40E-10	1.26E-08
5586	476211.65	3849209.01	1.92E-05	2.35E-05	2.06E-05	6.65E-09	2.01E-08	1.16E-08	1.42E-08	1.29E-08	5.89E-09	5.16E-09	2.22E-10	5.36E-09	1.18E-09	1.93E-09	3.07E-09	5.40E-10	3.41E-10	1.26E-08
5587	476497.81	3849283.9	1.96E-05	2.40E-05	2.11E-05	6.80E-09	2.05E-08	1.19E-08	1.46E-08	1.32E-08	6.02E-09	5.28E-09	2.27E-10	5.49E-09	1.21E-09	1.98E-09	3.14E-09	5.53E-10	3.48E-10	1.29E-08
5588	476603.73	3849323.77	1.99E-05	2.44E-05	2.14E-05	6.91E-09	2.09E-08	1.21E-08	1.48E-08	1.34E-08	6.12E-09	5.37E-09	2.31E-10	5.57E-09	1.23E-09	2.01E-09	3.19E-09	5.61E-10	3.54E-10	1.31E-08
5589	476728.99	3849382.76	2.03E-05	2.49E-05	2.18E-05	7.04E-09	2.13E-08	1.23E-08	1.51E-08	1.37E-08	6.24E-09	5.47E-09	2.35E-10	5.68E-09	1.25E-09	2.05E-09	3.25E-09	5.72E-10	3.61E-10	1.34E-08
5590	476801.27	3849418.65	2.06E-05	2.52E-05	2.21E-05	7.14E-09	2.15E-08	1.25E-08	1.53E-08	1.39E-08	6.32E-09	5.54E-09	2.38E-10	5.76E-09	1.27E-09	2.07E-09	3.29E-09	5.80E-10	3.66E-10	1.36E-08
5591	476956.2	3849495.05	2.12E-05	2.59E-05	2.28E-05	7.34E-09	2.22E-08	1.28E-08	1.57E-08	1.42E-08	6.50E-09	5.70E-09	2.45E-10	5.92E-09	1.31E-09	2.13E-09	3.38E-09	5.96E-10	3.76E-10	1.40E-08
5592	477038.84	3849535.56	2.13E-05	2.61E-05	2.29E-05	7.39E-09	2.23E-08	1.29E-08	1.58E-08	1.43E-08	6.55E-09	5.74E-09	2.47E-10	5.96E-09	1.32E-09	2.15E-09	3.41E-09	6.01E-10	3.79E-10	1.41E-08
5593	477121.49	3849576.08	2.16E-05	2.65E-05	2.32E-05	7.49E-09	2.26E-08	1.31E-08	1.60E-08	1.45E-08	6.64E-09	5.82E-09	2.50E-10	6.04E-09	1.33E-09	2.18E-09	3.46E-09	6.09E-10	3.84E-10	1.43E-08
5594	477204.13	3849616.6	2.18E-05	2.67E-05	2.34E-05	7.55E-09	2.28E-08	1.32E-08	1.62E-08	1.47E-08	6.69E-09	5.87E-09	2.52E-10	6.09E-09	1.34E-09	2.20E-09	3.48E-09	6.14E-10	3.87E-10	1.44E-08
5595	477286.78	3849657.12	2.16E-05	2.64E-05	2.32E-05	7.48E-09	2.26E-08	1.31E-08	1.60E-08	1.45E-08	6.62E-09	5.81E-09	2.50E-10	6.03E-09	1.33E-09	2.17E-09	3.45E-09	6.08E-10	3.83E-10	1.42E-08
5596	477369.42	3849697.63	2.23E-05	2.73E-05	2.40E-05	7.74E-09	2.34E-08	1.35E-08	1.66E-08	1.50E-08	6.85E-09	6.01E-09	2.58E-10	6.24E-09	1.38E-09	2.25E-09	3.57E-09	6.29E-10	3.96E-10	1.47E-08
5597	477452.07	3849738.15	2.25E-05	2.75E-05	2.41E-05	7.78E-09	2.35E-08	1.36E-08	1.67E-08	1.51E-08	6.89E-09	6.05E-09	2.60E-10	6.28E-09	1.39E-09	2.26E-09	3.59E-09	6.33E-10	3.99E-10	1.48E-08
5598	477534.71	3849778.67	2.31E-05	2.83E-05	2.48E-05	8.00E-09	2.42E-08	1.40E-08	1.71E-08	1.55E-08	7.08E-09	6.22E-09	2.67E-10	6.45E-09	1.42E-09	2.33E-09	3.69E-09	6.50E-10	4.10E-10	1.52E-08
5599	477617.36	3849819.18	2.33E-05	2.85E-05	2.50E-05	8.07E-09	2.44E-08	1.41E-08	1.73E-08	1.57E-08	7.15E-09	6.27E-09	2.70E-10	6.51E-09	1.44E-09	2.35E-09	3.72E-09	6.56E-10	4.14E-10	1.54E-08
5600	477824.74	3849896.37	2.39E-05	2.93E-05	2.57E-05	8.29E-09	2.50E-08	1.45E-08	1.78E-08	1.61E-08	7.35E-09	6.45E-09	2.77E-10	6.69E-09	1.48E-09	2.41E-09	3.83E-09	6.74E-10	4.25E-10	1.58E-08
5601	477906.31	3849936.37	2.36E-05	2.89E-05	2.53E-05	8.17E-09	2.47E-08	1.43E-08	1.75E-08	1.59E-08	7.23E-09	6.35E-09	2.73E-10	6.59E-09	1.45E-09	2.37E-09	3.77E-09	6.64E-10	4.19E-10	1.55E-08
5602	477987.89	3849976.36	2.41E-05	2.95E-05	2.59E-05	8.35E-09	2.52E-08	1.46E-08	1.79E-08	1.62E-08	7.39E-09	6.48E-09	2.79E-10	6.73E-09	1.49E-09	2.43E-09	3.85E-09	6.78E-10	4.28E-10	1.59E-08
5603	478069.47	3850016.36	2.39E-05	2.93E-05	2.57E-05	8.29E-09	2.50E-08	1.45E-08	1.78E-08	1.61E-08	7.34E-09	6.44E-09	2.77E-10	6.69E-09	1.48E-09	2.41E-09	3.82E-09	6.74E-10	4.25E-10	1.58E-08
5604	478151.04	3850056.35	2.38E-05	2.92E-05	2.56E-05	8.26E-09	2.49E-08	1.44E-08	1.77E-08	1.60E-08	7.31E-09	6.42E-09	2.76E-10	6.66E-09	1.47E-09	2.40E-09	3.81E-09	6.71E-10	4.23E-10	1.57E-08
5605	478232.62	3850096.35	2.42E-05	2.96E-05	2.60E-05	8.38E-09	2.53E-08	1.46E-08	1.79E-08	1.63E-08	7.42E-09	6.51E-09	2.80E-10	6.76E-09	1.49E-09	2.44E-09	3.86E-09	6.81E-10	4.30E-10	1.59E-08

5606	478314.2	3850136.34	2.46E-05	3.01E-05	2.64E-05	8.52E-09	2.57E-08	1.49E-08	1.82E-08	1.65E-08	7.55E-09	6.62E-09	2.85E-10	6.87E-09	1.52E-09	2.48E-09	3.93E-09	6.93E-10	4.37E-10	1.62E-08
5607	478395.77	3850176.34	2.51E-05	3.07E-05	2.69E-05	8.68E-09	2.62E-08	1.52E-08	1.86E-08	1.69E-08	7.69E-09	6.75E-09	2.90E-10	7.00E-09	1.55E-09	2.52E-09	4.00E-09	7.06E-10	4.45E-10	1.65E-08
5608	478575.43	3850244.45	2.61E-05	3.20E-05	2.81E-05	9.05E-09	2.73E-08	1.58E-08	1.94E-08	1.76E-08	8.02E-09	7.03E-09	3.02E-10	7.30E-09	1.61E-09	2.63E-09	4.17E-09	7.36E-10	4.64E-10	1.72E-08
5609	478665.06	3850287.29	2.68E-05	3.29E-05	2.88E-05	9.29E-09	2.81E-08	1.62E-08	1.99E-08	1.80E-08	8.23E-09	7.22E-09	3.10E-10	7.50E-09	1.65E-09	2.70E-09	4.29E-09	7.55E-10	4.76E-10	1.77E-08
5610	478754.69	3850330.14	2.76E-05	3.38E-05	2.96E-05	9.55E-09	2.88E-08	1.67E-08	2.04E-08	1.85E-08	8.46E-09	7.42E-09	3.19E-10	7.70E-09	1.70E-09	2.78E-09	4.40E-09	7.76E-10	4.89E-10	1.82E-08
5611	478844.32	3850372.99	2.84E-05	3.48E-05	3.05E-05	9.85E-09	2.97E-08	1.72E-08	2.11E-08	1.91E-08	8.72E-09	7.65E-09	3.29E-10	7.94E-09	1.75E-09	2.86E-09	4.54E-09	8.00E-10	5.05E-10	1.87E-08
5612	478933.95	3850415.84	2.94E-05	3.60E-05	3.15E-05	1.02E-08	3.07E-08	1.78E-08	2.18E-08	1.97E-08	9.01E-09	7.90E-09	3.40E-10	8.21E-09	1.81E-09	2.96E-09	4.69E-09	8.27E-10	5.21E-10	1.94E-08
5613	479023.58	3850458.68	3.00E-05	3.67E-05	3.22E-05	1.04E-08	3.13E-08	1.81E-08	2.22E-08	2.01E-08	9.19E-09	8.07E-09	3.47E-10	8.37E-09	1.85E-09	3.02E-09	4.79E-09	8.44E-10	5.32E-10	1.97E-08
5614	479110.66	3850441.91	3.08E-05	3.78E-05	3.31E-05	1.07E-08	3.23E-08	1.87E-08	2.29E-08	2.07E-08	9.46E-09	8.30E-09	3.57E-10	8.62E-09	1.90E-09	3.11E-09	4.93E-09	8.68E-10	5.47E-10	2.03E-08
5615	479191.22	3850423.99	3.16E-05	3.87E-05	3.40E-05	1.10E-08	3.31E-08	1.92E-08	2.35E-08	2.13E-08	9.70E-09	8.51E-09	3.66E-10	8.84E-09	1.95E-09	3.19E-09	5.05E-09	8.91E-10	5.62E-10	2.08E-08
5616	479274.32	3850465.71	3.24E-05	3.97E-05	3.49E-05	1.12E-08	3.39E-08	1.97E-08	2.41E-08	2.18E-08	9.96E-09	8.74E-09	3.75E-10	9.07E-09	2.00E-09	3.27E-09	5.18E-09	9.14E-10	5.76E-10	2.14E-08
5617	479357.43	3850507.42	3.32E-05	4.06E-05	3.56E-05	1.15E-08	3.47E-08	2.01E-08	2.46E-08	2.23E-08	1.02E-08	8.93E-09	3.84E-10	9.27E-09	2.05E-09	3.34E-09	5.30E-09	9.34E-10	5.89E-10	2.19E-08
5618	479440.53	3850549.14	3.38E-05	4.14E-05	3.63E-05	1.17E-08	3.54E-08	2.05E-08	2.51E-08	2.27E-08	1.04E-08	9.10E-09	3.91E-10	9.45E-09	2.09E-09	3.41E-09	5.40E-09	9.52E-10	6.00E-10	2.23E-08
5619	479523.64	3850590.85	3.46E-05	4.24E-05	3.72E-05	1.20E-08	3.62E-08	2.10E-08	2.57E-08	2.33E-08	1.06E-08	9.33E-09	4.01E-10	9.68E-09	2.14E-09	3.49E-09	5.54E-09	9.76E-10	6.15E-10	2.28E-08
5620	479606.74	3850632.57	3.56E-05	4.36E-05	3.83E-05	1.23E-08	3.73E-08	2.16E-08	2.64E-08	2.39E-08	1.09E-08	9.59E-09	4.12E-10	9.95E-09	2.20E-09	3.59E-09	5.69E-09	1.00E-09	6.32E-10	2.35E-08
5621	479777.37	3850707.61	3.77E-05	4.62E-05	4.05E-05	1.31E-08	3.95E-08	2.28E-08	2.80E-08	2.54E-08	1.16E-08	1.02E-08	4.36E-10	1.05E-08	2.33E-09	3.80E-09	6.03E-09	1.06E-09	6.70E-10	2.49E-08
5622	479864.9	3850740.95	3.90E-05	4.78E-05	4.19E-05	1.35E-08	4.08E-08	2.36E-08	2.89E-08	2.62E-08	1.20E-08	1.05E-08	4.51E-10	1.09E-08	2.41E-09	3.93E-09	6.23E-09	1.10E-09	6.93E-10	2.57E-08
5623	479931.87	3850829.57	4.00E-05	4.89E-05	4.29E-05	1.38E-08	4.18E-08	2.42E-08	2.96E-08	2.69E-08	1.23E-08	1.08E-08	4.62E-10	1.12E-08	2.46E-09	4.03E-09	6.39E-09	1.13E-09	7.10E-10	2.63E-08
5624	479995.55	3850926.75	4.10E-05	5.02E-05	4.40E-05	1.42E-08	4.29E-08	2.48E-08	3.04E-08	2.76E-08	1.26E-08	1.10E-08	4.74E-10	1.15E-08	2.53E-09	4.13E-09	6.55E-09	1.15E-09	7.28E-10	2.70E-08
5625	480079.78	3850968.64	4.23E-05	5.18E-05	4.54E-05	1.47E-08	4.42E-08	2.56E-08	3.14E-08	2.84E-08	1.30E-08	1.14E-08	4.89E-10	1.18E-08	2.61E-09	4.26E-09	6.76E-09	1.19E-09	7.51E-10	2.79E-08
5626	480164.01	3851010.54	4.36E-05	5.34E-05	4.68E-05	1.51E-08	4.56E-08	2.64E-08	3.23E-08	2.93E-08	1.34E-08	1.17E-08	5.04E-10	1.22E-08	2.69E-09	4.39E-09	6.97E-09	1.23E-09	7.74E-10	2.87E-08
5627	480248.23	3851052.43	4.48E-05	5.49E-05	4.82E-05	1.55E-08	4.69E-08	2.72E-08	3.33E-08	3.02E-08	1.38E-08	1.21E-08	5.19E-10	1.25E-08	2.77E-09	4.52E-09	7.17E-09	1.26E-09	7.96E-10	2.96E-08
5628	480332.46	3851094.33	4.62E-05	5.65E-05	4.96E-05	1.60E-08	4.83E-08	2.80E-08	3.42E-08	3.10E-08	1.42E-08	1.24E-08	5.34E-10	1.29E-08	2.85E-09	4.65E-09	7.38E-09	1.30E-09	8.20E-10	3.04E-08
5629	480416.69	3851136.22	4.74E-05	5.81E-05	5.10E-05	1.64E-08	4.96E-08	2.87E-08	3.52E-08	3.19E-08	1.46E-08	1.28E-08	5.49E-10	1.33E-08	2.93E-09	4.78E-09	7.58E-09	1.34E-09	8.42E-10	3.13E-08
5630	480579.95	3851215.17	5.00E-05	6.13E-05	5.37E-05	1.73E-08	5.23E-08	3.03E-08	3.71E-08	3.36E-08	1.53E-08	1.35E-08	5.79E-10	1.40E-08	3.08E-09	5.04E-09	7.99E-09	1.41E-09	8.88E-10	3.30E-08
5631	480658.98	3851252.22	5.13E-05	6.28E-05	5.51E-05	1.78E-08	5.37E-08	3.11E-08	3.81E-08	3.45E-08	1.57E-08	1.38E-08	5.94E-10	1.43E-08	3.16E-09	5.17E-09	8.20E-09	1.45E-09	9.11E-10	3.38E-08
5632	480817.36	3851327.85	5.38E-05	6.59E-05	5.78E-05	1.87E-08	5.63E-08	3.26E-08	3.99E-08	3.62E-08	1.65E-08	1.45E-08	6.23E-10	1.50E-08	3.32E-09	5.42E-09	8.60E-09	1.52E-09	9.56E-10	3.55E-08
5633	480896.72	3851366.43	5.51E-05	6.75E-05	5.92E-05	1.91E-08	5.77E-08	3.34E-08	4.09E-08	3.71E-08	1.69E-08	1.48E-08	6.38E-10	1.54E-08	3.40E-09	5.55E-09	8.81E-09	1.55E-09	9.78E-10	3.63E-08
5634	480976.07	3851405	5.63E-05	6.90E-05	6.05E-05	1.95E-08	5.89E-08	3.41E-08	4.18E-08	3.79E-08	1.73E-08	1.52E-08	6.52E-10	1.57E-08	3.47E-09	5.68E-09	9.00E-09	1.59E-09	1.00E-09	3.71E-08
5635	481178	3851487.31	5.92E-05	7.26E-05	6.37E-05	2.05E-08	6.20E-08	3.59E-08	4.40E-08	3.99E-08	1.82E-08	1.60E-08	6.86E-10	1.66E-08	3.65E-09	5.97E-09	9.47E-09	1.67E-09	1.05E-09	3.91E-08
5636	481244.9	3851557.17	6.08E-05	7.45E-05	6.53E-05	2.11E-08	6.36E-08	3.68E-08	4.51E-08	4.09E-08	1.87E-08	1.64E-08	7.04E-10	1.70E-08	3.75E-09	6.13E-09	9.72E-09	1.71E-09	1.08E-09	4.01E-08
5637	481311.81	3851627.03	6.25E-05	7.65E-05	6.71E-05	2.17E-08	6.54E-08	3.78E-08	4.64E-08	4.20E-08	1.92E-08	1.68E-08	7.23E-10	1.75E-08	3.85E-09	6.29E-09	9.99E-09	1.76E-09	1.11E-09	4.12E-08
5638	481378.71	3851696.89	6.43E-05	7.87E-05	6.90E-05	2.23E-08	6.72E-08	3.89E-08	4.77E-08	4.32E-08	1.97E-08	1.73E-08	7.44E-10	1.80E-08	3.96E-09	6.47E-09	1.03E-08	1.81E-09	1.14E-09	4.24E-08
5639	481445.61	3851766.76	6.61E-05	8.10E-05	7.10E-05	2.29E-08	6.92E-08	4.00E-08	4.90E-08	4.45E-08	2.03E-08	1.78E-08	7.65E-10	1.85E-08	4.08E-09	6.66E-09	1.06E-08	1.86E-09	1.17E-09	4.36E-08
5640	481512.51	3851836.62	6.81E-05	8.34E-05	7.32E-05	2.36E-08	7.12E-08	4.12E-08	5.05E-08	4.58E-08	2.09E-08	1.83E-08	7.88E-10	1.90E-08	4.20E-09	6.86E-09	1.09E-08	1.92E-09	1.21E-09	4.49E-08
5641	481579.42	3851906.48	7.02E-05	8.60E-05	7.54E-05	2.43E-08	7.35E-08	4.25E-08	5.21E-08	4.72E-08	2.15E-08	1.89E-08	8.12E-10	1.96E-08	4.33E-09	7.07E-09	1.12E-08	1.98E-09	1.25E-09	4.63E-08
5642	481646.32	3851976.34	7.24E-05	8.87E-05	7.78E-05	2.51E-08	7.58E-08	4.39E-08	5.37E-08	4.87E-08	2.22E-08	1.95E-08	8.38E-10	2.02E-08	4.47E-09	7.29E-09	1.16E-08	2.04E-09	1.29E-09	4.77E-08
5643	481713.22	3852046.2	7.48E-05	9.17E-05	8.04E-05	2.59E-08	7.83E-08	4.53E-08	5.55E-08	5.03E-08	2.30E-08	2.02E-08	8.66E-10	2.09E-08	4.62E-09	7.54E-09	1.20E-08	2.11E-09	1.33E-09	4.93E-08
5644	481780.12	3852116.06	7.73E-05	9.47E-05	8.31E-05	2.68E-08	8.09E-08	4.68E-08	5.74E-08	5.20E-08	2.37E-08	2.08E-08	8.95E-10	2.16E-08	4.77E-09	7.79E-09	1.24E-08	2.18E-09	1.37E-09	5.10E-08
5645	481847.03	3852185.92	7.99E-05	9.78E-05	8.58E-05	2.77E-08	8.36E-08	4.84E-08	5.93E-08	5.37E-08	2.45E-08	2.15E-08	9.24E-10	2.23E-08	4.93E-09	8.05E-09	1.28E-08	2.25E-09	1.42E-09	5.27E-08
5646	481913.93	3852255.78	8.25E-05	1.01E-04	8.86E-05	2.86E-08	8.63E-08	5.00E-08	6.12E-08	5.55E-08	2.53E-08	2.22E-08	9.55E-10	2.31E-08	5.09E-09	8.31E-09	1.32E-08	2.32E-09	1.47E-09	5.44E-08
5647	481980.83	3852325.65	8.50E-05	1.04E-04	9.14E-05	2.95E-08	8.90E-08	5.15E-08	6.31E-08	5.72E-08	2.61E-08	2.29E-08	9.84E-10	2.38E-08	5.24E-09	8.57E-09	1.36E-08	2.39E-09	1.51E-09	5.61E-08
5648	482047.73	3852395.51	8.80E-05	1.08E-04	9.46E-05	3.05E-08	9.21E-08	5.33E-08	6.53E-08	5.92E-08	2.70E-08	2.37E-08	1.02E-09	2.46E-08	5.43E-09	8.87E-09	1.41E-08	2.48E-09	1.56E-09	5.80E-08
5649	482114.64	3852465.37	9.09E-05	1.11E-04	9.77E-05	3.15E-08	9.51E-08	5.51E-08	6.75E-08	6.12E-08	2.79E-08	2.45E-08	1.05E-09	2.54E-08	5.61E-09	9.16E-09	1.45E-08	2.56E-09	1.61E-09	5.99E-08
5650	482181.54	3852535.23	9.46E-05	1.16E-04	1.02E-04	3.28E-08	9.90E-08	5.73E-08	7.02E-08	6.36E-08	2.90E-08	2.55E-08	1.10E-09	2.64E-08	5.84E-09	9.53E-09	1.51E-08	2.67E-09	1.68E-09	6.24E-08
5651	482338.69	3852700.05	1.04E-04	1.27E-04	1.12E-04	3.60E-08	1.09E-07	6.29E-08	7.70E-08	6.98E-08	3.19E-08	2.80E-08	1.20E-09	2.90E-08	6.40E-09	1.05E-08	1.66E-08	2.92E-09	1.84E-09	6.85E-08
5652	482404.05	3852767.78	1.08E-04	1.33E-04	1.16E-04	3.75E-08	1.13E-07	6.55E-08	8.03E-08	7.28E-08	3.32E-08	2.91E-08	1.25E-09	3.02E-08	6.67E-09	1.09E-08	1.73E-08	3.05E-09	1.92E-09	7.13E-08
5653	482469.4	3852835.52	1.13E-04	1.38E-04	1.21E-04	3.92E-08	1.18E-07	6.84E-08	8.38E-08	7.60E-08	3.47E-08	3.04E-08	1.31E-09	3.16E-08	6.97E-09	1.14E-08	1.81E-08	3.18E-09	2.01E-09	7.45E-08
5654	482534.75	3852903.25	1.19E-04	1.45E-04	1.28E-04	4.12E-08	1.24E-07	7.19E-08	8.81E-08	7.99E-08	3.64E-08	3.20E-08	1.37E-09	3.32E-08	7.32E-09	1.20E-08	1.90E-08	3.34E-09	2.11E-09	7.83E-08
5655	482600.11	3852970.99	1.25E-04	1.53E-04	1.35E-04	4.34E-08	1.31E-07	7.58E-08	9.29E-08	8.42E-08	3.84E-08	3.37E-08	1.45E-09	3.50E-08	7.72E-09	1.26E-08	2.00E-08	3.53E-09	2.22E-09	8.25E-08
5656	482706.71	3853119.28	1.44E-04	1.76E-04	1.55E-04	4.99E-08	1.51E-07	8.72E-08	1.07E-07	9.68E-08	4.42E-08	3.88E-08	1.67E-09	4.02E-08	8.88E-09	1.45E-08	2.30E-08	4.06E-09	2.56E-09	9.49E-08
5657	482747.96	3853199.84	1.56E-04	1.92E-04	1.68E-04	5.42E-08	1.64E-07	9.48E-08	1.16E-07	1.05E-07	4.80E-08	4.22E-08	1.81E-09	4.37E-08	9.65E-09	1.58E-08	2.50E-08	4.41E-09	2.78E-09	1.03E-07
5658	482789.21	3853280.4	1.73E-04	2.11E-04	1.86E-04	5.98E-08	1.81E-07	1.05E-07	1.28E-07	1.16E-07	5.30E-08	4.65E-08	2.00E-09	4.82E-08	1.06E-08	1.74E-08	2.76E-08	4.86E-09	3.07E-09	1.14E-07
5659	482830.46	3853360.96	1.95E-04	2.39E-04	2.10E-04	6.77E-08	2.04E-07	1.18E-07	1.45E-07	1.31E-07	6.00E-08	5.27E-08	2.26E-09	5.46E-08	1.21E-08	1.97E-08	3.12E-08	5.50E-09	3.47E-09	1.29E-07
5660	482871.71	3853441.52	2.32E-04	2.85E-04	2.50E-04	8.05E-08	2.43E-07	1.41E-07	1.72E-07	1.56E-07	7.13E-08	6.26E-08	2.69E-09	6.49E-08	1.43E-08	2.34E-08	3.71E-08	6.54E-09	4.13E-09	1.53E-07
5661	482912.95	3853522.07	3.70E-04	4.53E-04	3.99E-04	1.28E-07	3.87E-07	2.24E-07	2.74E-07	2.49E-07	1.14E-07	9.99E-08	4.28E-09	1.03E-07	2.28E-08	3.73E-08	5.91E-08	1.04E-08	6.59E-09	2.44E-07
5662	482954.2	3853602.63	1.13E-03	1.38E-03	1.22E-03	3.91E-07	1.18E-06	6.84E-07	8.38E-07	7.60E-07	3.47E-07	3.05E-07	1.31E-08	3.16E-07	6.97E-08	1.14E-07	1.81E-07	3.18E-08	2.01E-08	7.45E-07
5663	482995.45	3853683.19	1.41E-03	1.72E-03	1.52E-03	4.87E-07	1.47E-06	8.52E-07	1.04E-06	9.46E-07	4.32E-07	3.80E-07	1.63E-08	3.93E-07	8.67E-08	1.42E-07	2.25E-07	3.96E-08	2.51E-08	9.27E-07
5664	483036.7	3853763.75	1.42E-03	1.75E-03	1.54E-03	4.94E-07	1.49E-06	8.63E-07	1.06E-06	9.58E-07	4.37E-07	3.85E-07	1.65E-08	3.98E-07	8.79E-08	1.44E-07	2.28E-07	4.01E-08	2.54E-08	9.39E-07
5665	483214.2	3853909.91	9.67E-04	1.18E-03	1.04E-03	3.35E-07	1.01E-06	5.85E-07	7.17E-07	6.50E-07	2.97E-07	2.61E-07	1.12E-08	2.70E-07	5.96E-08	9.74E-08	1.55E-07	2.72E-08	1.72E-08	6.37E-07
5666	483307.01	3853910.44	8.37E-04	1.03E-03	9.02E-04	2.90E-07	8.75E-07	5.07E-07	6.21E-07	5.63E-07	2.57E-07	2.26E-07	9.68E-09	2.34E-07	5.16E-08	8.43E-08	1.34E-07	2.36E-08	1.49E-08	5.52E-07

5667	483399.83	3853910.96	7.38E-04	9.04E-04	7.96E-04	2.56E-07	7.72E-07	4.47E-07	5.48E-07	4.97E-07	2.27E-07	1.99E-07	8.54E-09	2.06E-07	4.55E-08	7.44E-08	1.18E-07	2.08E-08	1.31E-08	4.87E-07
5668	483494.52	3854009.24	7.43E-04	9.10E-04	8.01E-04	2.57E-07	7.77E-07	4.50E-07	5.51E-07	5.00E-07	2.28E-07	2.01E-07	8.60E-09	2.08E-07	4.58E-08	7.49E-08	1.19E-07	2.09E-08	1.32E-08	4.90E-07
5669	483496.41	3854106.98	8.24E-04	1.01E-03	8.88E-04	2.85E-07	8.62E-07	4.99E-07	6.11E-07	5.54E-07	2.53E-07	2.22E-07	9.53E-09	2.30E-07	5.08E-08	8.30E-08	1.32E-07	2.32E-08	1.47E-08	5.43E-07
5670	483577.56	3854261.96	9.17E-04	1.12E-03	9.88E-04	3.18E-07	9.60E-07	5.56E-07	6.81E-07	6.17E-07	2.82E-07	2.48E-07	1.06E-08	2.56E-07	5.66E-08	9.25E-08	1.47E-07	2.58E-08	1.63E-08	6.05E-07
5671	483656.83	3854319.19	9.24E-04	1.13E-03	9.95E-04	3.20E-07	9.67E-07	5.60E-07	6.86E-07	6.22E-07	2.84E-07	2.49E-07	1.07E-08	2.58E-07	5.70E-08	9.31E-08	1.48E-07	2.60E-08	1.64E-08	6.09E-07
5672	483736.1	3854376.41	9.50E-04	1.16E-03	1.02E-03	3.29E-07	9.94E-07	5.76E-07	7.05E-07	6.39E-07	2.92E-07	2.56E-07	1.10E-08	2.66E-07	5.86E-08	9.58E-08	1.52E-07	2.68E-08	1.69E-08	6.27E-07
5673	483815.37	3854433.64	9.98E-04	1.22E-03	1.07E-03	3.46E-07	1.04E-06	6.05E-07	7.41E-07	6.72E-07	3.06E-07	2.69E-07	1.16E-08	2.79E-07	6.16E-08	1.01E-07	1.60E-07	2.81E-08	1.78E-08	6.58E-07
5674	483894.63	3854490.87	1.07E-03	1.31E-03	1.15E-03	3.70E-07	1.12E-06	6.47E-07	7.93E-07	7.19E-07	3.28E-07	2.88E-07	1.24E-08	2.99E-07	6.59E-08	1.08E-07	1.71E-07	3.01E-08	1.90E-08	7.05E-07
5675	483973.9	3854548.1	1.18E-03	1.45E-03	1.27E-03	4.10E-07	1.24E-06	7.16E-07	8.78E-07	7.96E-07	3.63E-07	3.19E-07	1.37E-08	3.31E-07	7.29E-08	1.19E-07	1.89E-07	3.33E-08	2.10E-08	7.80E-07
5676	484053.17	3854605.32	1.42E-03	1.74E-03	1.53E-03	4.92E-07	1.49E-06	8.60E-07	1.05E-06	9.55E-07	4.36E-07	3.83E-07	1.64E-08	3.97E-07	8.76E-08	1.43E-07	2.27E-07	4.00E-08	2.53E-08	9.36E-07
5677	484214.97	3854698.15	2.45E-03	3.00E-03	2.64E-03	8.49E-07	2.56E-06	1.48E-06	1.82E-06	1.65E-06	7.52E-07	6.61E-07	2.83E-08	6.85E-07	1.51E-07	2.47E-07	3.91E-07	6.90E-08	4.36E-08	1.61E-06
5678	484297.5	3854733.74	3.19E-03	3.91E-03	3.43E-03	1.11E-06	3.34E-06	1.93E-06	2.37E-06	2.15E-06	9.79E-07	8.60E-07	3.69E-08	8.92E-07	1.97E-07	3.21E-07	5.10E-07	8.99E-08	5.67E-08	2.10E-06
5679	484380.03	3854769.34	3.85E-03	4.72E-03	4.14E-03	1.34E-06	4.03E-06	2.33E-06	2.86E-06	2.59E-06	1.18E-06	1.04E-06	4.46E-08	1.08E-06	2.38E-07	3.88E-07	6.16E-07	1.09E-07	6.85E-08	2.54E-06
5680	484462.56	3854804.94	4.98E-03	6.11E-03	5.35E-03	1.73E-06	5.21E-06	3.02E-06	3.70E-06	3.35E-06	1.53E-06	1.34E-06	5.77E-08	1.39E-06	3.07E-07	5.02E-07	7.97E-07	1.40E-07	8.85E-08	3.29E-06
5681	484545.09	3854840.53	6.01E-03	7.37E-03	6.45E-03	2.08E-06	6.29E-06	3.64E-06	4.46E-06	4.05E-06	1.85E-06	1.62E-06	6.96E-08	1.68E-06	3.71E-07	6.06E-07	9.61E-07	1.69E-07	1.07E-07	3.96E-06
5682	484691.88	3854912.59	7.41E-03	9.08E-03	7.94E-03	2.57E-06	7.75E-06	4.49E-06	5.50E-06	4.99E-06	2.27E-06	1.99E-06	8.58E-08	2.07E-06	4.57E-07	7.47E-07	1.18E-06	2.09E-07	1.31E-07	4.89E-06
5683	484830.81	3855012.51	6.90E-03	8.46E-03	7.37E-03	2.39E-06	7.22E-06	4.18E-06	5.12E-06	4.64E-06	2.12E-06	1.85E-06	7.99E-08	1.93E-06	4.26E-07	6.95E-07	1.10E-06	1.94E-07	1.22E-07	4.55E-06
5684	484905.48	3855075.97	6.92E-03	8.48E-03	7.41E-03	2.40E-06	7.25E-06	4.19E-06	5.14E-06	4.66E-06	2.13E-06	1.86E-06	8.01E-08	1.94E-06	4.27E-07	6.98E-07	1.11E-06	1.95E-07	1.22E-07	4.57E-06
5685	484980.14	3855139.44	6.89E-03	8.44E-03	7.39E-03	2.39E-06	7.21E-06	4.17E-06	5.11E-06	4.63E-06	2.11E-06	1.85E-06	7.97E-08	1.93E-06	4.25E-07	6.94E-07	1.10E-06	1.94E-07	1.22E-07	4.54E-06
5686	485054.81	3855202.91	6.80E-03	8.33E-03	7.30E-03	2.36E-06	7.11E-06	4.12E-06	5.04E-06	4.57E-06	2.09E-06	1.83E-06	7.87E-08	1.90E-06	4.19E-07	6.85E-07	1.09E-06	1.91E-07	1.21E-07	4.48E-06
5687	485129.48	3855266.37	6.58E-03	8.06E-03	7.08E-03	2.28E-06	6.89E-06	3.99E-06	4.88E-06	4.43E-06	2.02E-06	1.77E-06	7.62E-08	1.84E-06	4.06E-07	6.63E-07	1.05E-06	1.85E-07	1.17E-07	4.34E-06
5688	485204.15	3855329.84	6.71E-03	8.22E-03	7.22E-03	2.32E-06	7.02E-06	4.06E-06	4.98E-06	4.51E-06	2.06E-06	1.81E-06	7.76E-08	1.88E-06	4.14E-07	6.76E-07	1.07E-06	1.89E-07	1.19E-07	4.42E-06
5689	485278.82	3855393.31	6.66E-03	8.16E-03	7.18E-03	2.31E-06	6.97E-06	4.04E-06	4.94E-06	4.48E-06	2.04E-06	1.80E-06	7.71E-08	1.86E-06	4.11E-07	6.71E-07	1.06E-06	1.88E-07	1.19E-07	4.39E-06
5690	485353.48	3855456.77	6.69E-03	8.19E-03	7.21E-03	2.32E-06	7.00E-06	4.05E-06	4.96E-06	4.50E-06	2.05E-06	1.81E-06	7.74E-08	1.87E-06	4.13E-07	6.74E-07	1.07E-06	1.88E-07	1.19E-07	4.41E-06
5691	485428.15	3855520.24	6.63E-03	8.12E-03	7.15E-03	2.30E-06	6.94E-06	4.02E-06	4.92E-06	4.46E-06	2.03E-06	1.79E-06	7.67E-08	1.85E-06	4.09E-07	6.68E-07	1.06E-06	1.87E-07	1.18E-07	4.37E-06
5692	485502.82	3855583.71	6.60E-03	8.08E-03	7.12E-03	2.29E-06	6.91E-06	4.00E-06	4.90E-06	4.44E-06	2.03E-06	1.78E-06	7.64E-08	1.84E-06	4.07E-07	6.65E-07	1.05E-06	1.86E-07	1.18E-07	4.35E-06
5693	485577.49	3855647.17	6.67E-03	8.17E-03	7.20E-03	2.31E-06	6.98E-06	4.04E-06	4.95E-06	4.49E-06	2.05E-06	1.80E-06	7.72E-08	1.87E-06	4.12E-07	6.72E-07	1.07E-06	1.88E-07	1.19E-07	4.40E-06
5694	485652.16	3855710.64	6.71E-03	8.23E-03	7.25E-03	2.33E-06	7.03E-06	4.07E-06	4.98E-06	4.52E-06	2.06E-06	1.82E-06	7.77E-08	1.88E-06	4.14E-07	6.76E-07	1.07E-06	1.89E-07	1.20E-07	4.43E-06
5695	485726.83	3855774.11	6.70E-03	8.20E-03	7.23E-03	2.32E-06	7.01E-06	4.06E-06	4.97E-06	4.50E-06	2.06E-06	1.81E-06	7.75E-08	1.87E-06	4.13E-07	6.75E-07	1.07E-06	1.89E-07	1.19E-07	4.41E-06
5696	485801.49	3855837.57	6.63E-03	8.12E-03	7.15E-03	2.30E-06	6.94E-06	4.02E-06	4.92E-06	4.46E-06	2.03E-06	1.79E-06	7.67E-08	1.85E-06	4.09E-07	6.68E-07	1.06E-06	1.87E-07	1.18E-07	4.37E-06
5697	485876.16	3855901.04	6.63E-03	8.13E-03	7.16E-03	2.30E-06	6.94E-06	4.02E-06	4.92E-06	4.46E-06	2.04E-06	1.79E-06	7.68E-08	1.85E-06	4.09E-07	6.68E-07	1.06E-06	1.87E-07	1.18E-07	4.37E-06
5698	485950.83	3855964.5	6.59E-03	8.07E-03	7.11E-03	2.28E-06	6.90E-06	3.99E-06	4.89E-06	4.43E-06	2.02E-06	1.78E-06	7.63E-08	1.84E-06	4.07E-07	6.64E-07	1.05E-06	1.86E-07	1.18E-07	4.35E-06
5699	486025.5	3856027.97	6.50E-03	7.96E-03	7.02E-03	2.25E-06	6.80E-06	3.94E-06	4.82E-06	4.37E-06	1.99E-06	1.76E-06	7.52E-08	1.82E-06	4.01E-07	6.55E-07	1.04E-06	1.83E-07	1.16E-07	4.29E-06
5700	486100.17	3856091.44	6.64E-03	8.13E-03	7.16E-03	2.30E-06	6.95E-06	4.02E-06	4.92E-06	4.46E-06	2.04E-06	1.80E-06	7.68E-08	1.86E-06	4.09E-07	6.69E-07	1.06E-06	1.87E-07	1.18E-07	4.38E-06
5701	486174.83	3856154.9	6.51E-03	7.97E-03	7.02E-03	2.25E-06	6.81E-06	3.94E-06	4.83E-06	4.38E-06	2.00E-06	1.76E-06	7.53E-08	1.82E-06	4.01E-07	6.55E-07	1.04E-06	1.83E-07	1.16E-07	4.29E-06
5702	486249.5	3856218.37	6.19E-03	7.59E-03	6.69E-03	2.15E-06	6.48E-06	3.75E-06	4.60E-06	4.17E-06	1.90E-06	1.68E-06	7.17E-08	1.73E-06	3.82E-07	6.24E-07	9.90E-07	1.74E-07	1.11E-07	4.08E-06
5703	486324.17	3856281.84	6.13E-03	7.51E-03	6.62E-03	2.12E-06	6.41E-06	3.71E-06	4.55E-06	4.12E-06	1.88E-06	1.66E-06	7.09E-08	1.71E-06	3.78E-07	6.17E-07	9.79E-07	1.73E-07	1.09E-07	4.04E-06
5704	486398.84	3856345.3	6.35E-03	7.78E-03	6.86E-03	2.20E-06	6.64E-06	3.85E-06	4.71E-06	4.27E-06	1.95E-06	1.72E-06	7.35E-08	1.78E-06	3.92E-07	6.40E-07	1.01E-06	1.79E-07	1.13E-07	4.19E-06
5705	486473.51	3856408.77	6.41E-03	7.85E-03	6.92E-03	2.22E-06	6.71E-06	3.88E-06	4.76E-06	4.31E-06	1.97E-06	1.73E-06	7.42E-08	1.79E-06	3.95E-07	6.46E-07	1.02E-06	1.81E-07	1.14E-07	4.23E-06
5706	486548.17	3856472.24	6.52E-03	7.98E-03	7.03E-03	2.26E-06	6.82E-06	3.95E-06	4.84E-06	4.38E-06	2.00E-06	1.76E-06	7.54E-08	1.82E-06	4.02E-07	6.57E-07	1.04E-06	1.84E-07	1.16E-07	4.30E-06
5707	486622.84	3856535.7	6.57E-03	8.05E-03	7.09E-03	2.28E-06	6.88E-06	3.98E-06	4.88E-06	4.42E-06	2.02E-06	1.78E-06	7.61E-08	1.84E-06	4.05E-07	6.62E-07	1.05E-06	1.85E-07	1.17E-07	4.33E-06
5708	486765.48	3856659.69	6.62E-03	8.11E-03	7.14E-03	2.29E-06	6.93E-06	4.01E-06	4.91E-06	4.45E-06	2.03E-06	1.79E-06	7.66E-08	1.85E-06	4.08E-07	6.67E-07	1.06E-06	1.86E-07	1.18E-07	4.36E-06
5709	486833.44	3856720.2	6.68E-03	8.18E-03	7.21E-03	2.31E-06	6.99E-06	4.04E-06	4.95E-06	4.49E-06	2.05E-06	1.81E-06	7.73E-08	1.87E-06	4.12E-07	6.73E-07	1.07E-06	1.88E-07	1.19E-07	4.40E-06
5710	486901.41	3856780.72	6.67E-03	8.17E-03	7.20E-03	2.31E-06	6.98E-06	4.04E-06	4.95E-06	4.49E-06	2.05E-06	1.80E-06	7.72E-08	1.87E-06	4.12E-07	6.72E-07	1.07E-06	1.88E-07	1.19E-07	4.40E-06
5711	486969.38	3856841.24	6.66E-03	8.15E-03	7.18E-03	2.31E-06	6.97E-06	4.03E-06	4.94E-06	4.48E-06	2.04E-06	1.80E-06	7.70E-08	1.86E-06	4.11E-07	6.71E-07	1.06E-06	1.87E-07	1.19E-07	4.39E-06
5712	487037.34	3856901.75	6.59E-03	8.08E-03	7.11E-03	2.29E-06	6.90E-06	3.99E-06	4.89E-06	4.43E-06	2.02E-06	1.78E-06	7.63E-08	1.84E-06	4.07E-07	6.64E-07	1.05E-06	1.86E-07	1.18E-07	4.35E-06
5713	487271.23	3856855.51	3.59E-03	4.39E-03	3.86E-03	1.24E-06	3.75E-06	2.17E-06	2.66E-06	2.41E-06	1.10E-06	9.68E-07	4.15E-08	1.00E-06	2.21E-07	3.61E-07	5.73E-07	1.01E-07	6.39E-08	2.36E-06
5714	487368.96	3856857.29	3.13E-03	3.83E-03	3.37E-03	1.08E-06	3.27E-06	1.90E-06	2.32E-06	2.10E-06	9.60E-07	8.45E-07	3.62E-08	8.75E-07	1.93E-07	3.15E-07	5.00E-07	8.81E-08	5.57E-08	2.06E-06
5715	487466.68	3856859.06	2.78E-03	3.40E-03	2.99E-03	9.62E-07	2.90E-06	1.68E-06	2.06E-06	1.87E-06	8.52E-07	7.49E-07	3.21E-08	7.76E-07	1.71E-07	2.80E-07	4.44E-07	7.82E-08	4.94E-08	1.83E-06
5716	487636.44	3856930	2.40E-03	2.93E-03	2.57E-03	8.30E-07	2.51E-06	1.45E-06	1.78E-06	1.61E-06	7.35E-07	6.44E-07	2.77E-08	6.70E-07	1.48E-07	2.41E-07	3.83E-07	6.74E-08	4.25E-08	1.58E-06
5717	487709.57	3856928.43	2.24E-03	2.74E-03	2.40E-03	7.76E-07	2.34E-06	1.36E-06	1.66E-06	1.51E-06	6.87E-07	6.02E-07	2.59E-08	6.26E-07	1.38E-07	2.26E-07	3.58E-07	6.31E-08	3.97E-08	1.48E-06
5718	487782.55	3856841.96	2.05E-03	2.51E-03	2.20E-03	7.10E-07	2.14E-06	1.24E-06	1.52E-06	1.38E-06	6.29E-07	5.52E-07	2.37E-08	5.73E-07	1.26E-07	2.06E-07	3.27E-07	5.77E-08	3.64E-08	1.35E-06
5719	487849.83	3856754.74	1.88E-03	2.30E-03	2.02E-03	6.52E-07	1.97E-06	1.14E-06	1.40E-06	1.27E-06	5.77E-07	5.07E-07	2.18E-08	5.26E-07	1.16E-07	1.89E-07	3.01E-07	5.30E-08	3.34E-08	1.24E-06
5720	487918.03	3856819.39	1.84E-03	2.25E-03	1.97E-03	6.37E-07	1.92E-06	1.11E-06	1.36E-06	1.24E-06	5.64E-07	4.94E-07	2.13E-08	5.13E-07	1.13E-07	1.85E-07	2.93E-07	5.17E-08	3.26E-08	1.21E-06
5721	487918.8	3856886.37	1.87E-03	2.30E-03	2.01E-03	6.50E-07	1.96E-06	1.14E-06	1.39E-06	1.26E-06	5.75E-07	5.04E-07	2.17E-08	5.24E-07	1.16E-07	1.89E-07	3.00E-07	5.28E-08	3.32E-08	1.24E-06
5722	488065.47	3857127.51	1.84E-03	2.25E-03	1.95E-03	6.36E-07	1.92E-06	1.11E-06	1.36E-06	1.23E-06	5.63E-07	4.90E-07	2.13E-08	5.13E-07	1.13E-07	1.85E-07	2.93E-07	5.17E-08	3.23E-08	1.21E-06
5723	488192.19	3857385.84	1.80E-03	2.20E-03	1.91E-03	6.23E-07	1.88E-06	1.09E-06	1.33E-06	1.21E-06	5.51E-07	4.79E-07	2.08E-08	5.02E-07	1.11E-07	1.81E-07	2.87E-07	5.06E-08	3.16E-08	1.18E-06
5724	488191.22	3857473.87	1.83E-03	2.25E-03	1.95E-03	6.35E-07	1.92E-06	1.11E-06	1.36E-06	1.23E-06	5.63E-07	4.89E-07	2.12E-08	5.13E-07	1.13E-07	1.85E-07	2.93E-07	5.16E-08	3.23E-08	1.21E-06
5725	488190.24	3857561.91	1.87E-03	2.29E-03	2.00E-03	6.49E-07	1.96E-06	1.13E-06	1.39E-06	1.26E-06	5.75E-07	5.01E-07	2.17E-08	5.24E-07	1.16E-07	1.89E-07	2.99E-07	5.28E-08	3.31E-08	1.23E-06
5726	488158.35	3857691.13	1.99E-03	2.43E-03	2.13E-03	6.88E-07	2.08E-06	1.20E-06	1.47E-06	1.33E-06	6.09E-07	5.33E-07	2.30E-08	5.55E-07	1.22E-07	2.00E-07	3.17E-07	5.59E-08	3.51E-08	1.31E-06
5727	488208.37	3857816.66	1.76E-03	2.16E-03	1.89E-03	6.11E-07	1.84E-06	1.07E-06	1.31E-06	1.19E-06	5.41E-07	4.74E-07	2.04E-08	4.93E-07	1.09E-07	1.78E-07	2.82E-07	4.96E-08	3.13E-08	1.16E-06

5728	488271.97	3857874.6	1.56E-03	1.91E-03	1.68E-03	5.42E-07	1.64E-06	9.47E-07	1.16E-06	1.05E-06	4.79E-07	4.20E-07	1.81E-08	4.37E-07	9.64E-08	1.57E-07	2.50E-07	4.40E-08	2.77E-08	1.03E-06
5729	488463.56	3857942.31	1.26E-03	1.55E-03	1.36E-03	4.38E-07	1.32E-06	7.66E-07	9.38E-07	8.50E-07	3.88E-07	3.40E-07	1.46E-08	3.53E-07	7.80E-08	1.27E-07	2.02E-07	3.56E-08	2.24E-08	8.33E-07
5730	488554.83	3857940.83	1.19E-03	1.45E-03	1.27E-03	4.11E-07	1.24E-06	7.19E-07	8.80E-07	7.98E-07	3.64E-07	3.19E-07	1.37E-08	3.32E-07	7.32E-08	1.19E-07	1.90E-07	3.34E-08	2.10E-08	7.82E-07
5731	488646.1	3857939.36	1.12E-03	1.37E-03	1.20E-03	3.88E-07	1.17E-06	6.78E-07	8.31E-07	7.53E-07	3.44E-07	3.01E-07	1.30E-08	3.13E-07	6.91E-08	1.13E-07	1.79E-07	3.15E-08	1.99E-08	7.38E-07
5732	488737.37	3857937.88	1.06E-03	1.30E-03	1.14E-03	3.68E-07	1.11E-06	6.43E-07	7.87E-07	7.14E-07	3.26E-07	2.85E-07	1.23E-08	2.97E-07	6.55E-08	1.07E-07	1.70E-07	2.99E-08	1.88E-08	7.00E-07
5733	488733.59	3857960.57	1.05E-03	1.29E-03	1.13E-03	3.65E-07	1.10E-06	6.38E-07	7.82E-07	7.09E-07	3.23E-07	2.83E-07	1.22E-08	2.95E-07	6.50E-08	1.06E-07	1.68E-07	2.97E-08	1.87E-08	6.95E-07
5734	488638.09	3857961.57	1.11E-03	1.36E-03	1.20E-03	3.86E-07	1.17E-06	6.75E-07	8.27E-07	7.49E-07	3.42E-07	3.00E-07	1.29E-08	3.12E-07	6.88E-08	1.12E-07	1.78E-07	3.14E-08	1.98E-08	7.35E-07
5735	488542.6	3857962.56	1.18E-03	1.45E-03	1.27E-03	4.10E-07	1.24E-06	7.17E-07	8.78E-07	7.96E-07	3.63E-07	3.19E-07	1.37E-08	3.31E-07	7.31E-08	1.19E-07	1.89E-07	3.33E-08	2.10E-08	7.81E-07
5736	488447.1	3857963.56	1.27E-03	1.55E-03	1.36E-03	4.39E-07	1.32E-06	7.67E-07	9.39E-07	8.51E-07	3.88E-07	3.41E-07	1.47E-08	3.54E-07	7.81E-08	1.27E-07	2.02E-07	3.56E-08	2.25E-08	8.34E-07
5737	488254.28	3857890.36	1.57E-03	1.92E-03	1.68E-03	5.44E-07	1.64E-06	9.51E-07	1.16E-06	1.05E-06	4.81E-07	4.22E-07	1.82E-08	4.39E-07	9.68E-08	1.58E-07	2.51E-07	4.42E-08	2.78E-08	1.03E-06
5738	488191.69	3857833.06	1.77E-03	2.17E-03	1.90E-03	6.15E-07	1.86E-06	1.07E-06	1.32E-06	1.19E-06	5.44E-07	4.77E-07	2.05E-08	4.96E-07	1.09E-07	1.79E-07	2.83E-07	4.99E-08	3.15E-08	1.17E-06
5739	488129.5	3857907.43	1.77E-03	2.16E-03	1.90E-03	6.12E-07	1.85E-06	1.07E-06	1.31E-06	1.19E-06	5.42E-07	4.76E-07	2.04E-08	4.94E-07	1.09E-07	1.78E-07	2.82E-07	4.97E-08	3.14E-08	1.16E-06
5740	488196.47	3857968.74	1.56E-03	1.91E-03	1.67E-03	5.40E-07	1.63E-06	9.44E-07	1.16E-06	1.05E-06	4.78E-07	4.20E-07	1.80E-08	4.36E-07	9.61E-08	1.57E-07	2.49E-07	4.39E-08	2.77E-08	1.03E-06
5741	488263.44	3858030.04	1.43E-03	1.75E-03	1.53E-03	4.95E-07	1.49E-06	8.64E-07	1.06E-06	9.59E-07	4.38E-07	3.84E-07	1.65E-08	3.99E-07	8.80E-08	1.44E-07	2.28E-07	4.02E-08	2.53E-08	9.40E-07
5742	488400.64	3858132.9	1.28E-03	1.57E-03	1.38E-03	4.43E-07	1.34E-06	7.74E-07	9.48E-07	8.60E-07	3.92E-07	3.45E-07	1.48E-08	3.57E-07	7.89E-08	1.29E-07	2.04E-07	3.60E-08	2.27E-08	8.43E-07
5743	488519.89	3858218.38	1.23E-03	1.50E-03	1.32E-03	4.25E-07	1.28E-06	7.42E-07	9.09E-07	8.24E-07	3.76E-07	3.30E-07	1.42E-08	3.42E-07	7.56E-08	1.23E-07	1.96E-07	3.45E-08	2.18E-08	8.08E-07
5744	488647.97	3858214.99	1.09E-03	1.34E-03	1.18E-03	3.79E-07	1.14E-06	6.63E-07	8.12E-07	7.36E-07	3.36E-07	2.95E-07	1.27E-08	3.06E-07	6.75E-08	1.10E-07	1.75E-07	3.08E-08	1.95E-08	7.21E-07
5745	488727.05	3858167.67	1.02E-03	1.25E-03	1.10E-03	3.54E-07	1.07E-06	6.19E-07	7.58E-07	6.87E-07	3.13E-07	2.75E-07	1.18E-08	2.86E-07	6.30E-08	1.03E-07	1.63E-07	2.88E-08	1.82E-08	6.73E-07
5746	488806.12	3858120.35	9.73E-04	1.19E-03	1.05E-03	3.37E-07	1.02E-06	5.90E-07	7.22E-07	6.55E-07	2.99E-07	2.62E-07	1.13E-08	2.72E-07	6.00E-08	9.80E-08	1.56E-07	2.74E-08	1.73E-08	6.42E-07
5747	488885.2	3858073.03	9.40E-04	1.15E-03	1.01E-03	3.26E-07	9.84E-07	5.70E-07	6.98E-07	6.32E-07	2.89E-07	2.53E-07	1.09E-08	2.63E-07	5.80E-08	9.47E-08	1.50E-07	2.65E-08	1.67E-08	6.20E-07
5748	489055.76	3857991.18	8.87E-04	1.09E-03	9.52E-04	3.08E-07	9.29E-07	5.38E-07	6.58E-07	5.97E-07	2.72E-07	2.39E-07	1.03E-08	2.48E-07	5.47E-08	8.94E-08	1.42E-07	2.50E-08	1.57E-08	5.85E-07
5749	489245.39	3857944.55	8.34E-04	1.02E-03	8.94E-04	2.89E-07	8.72E-07	5.05E-07	6.18E-07	5.61E-07	2.56E-07	2.24E-07	9.65E-09	2.33E-07	5.14E-08	8.40E-08	1.33E-07	2.35E-08	1.48E-08	5.49E-07
5750	489430.63	3857930.91	7.78E-04	9.53E-04	8.35E-04	2.70E-07	8.14E-07	4.71E-07	5.77E-07	5.23E-07	2.39E-07	2.09E-07	9.01E-09	2.18E-07	4.80E-08	7.84E-08	1.24E-07	2.19E-08	1.38E-08	5.13E-07
5751	489517.74	3857929.36	7.54E-04	9.23E-04	8.08E-04	2.61E-07	7.89E-07	4.56E-07	5.59E-07	5.07E-07	2.31E-07	2.02E-07	8.72E-09	2.11E-07	4.65E-08	7.59E-08	1.20E-07	2.12E-08	1.34E-08	4.97E-07
5752	489604.86	3857927.82	7.30E-04	8.94E-04	7.83E-04	2.53E-07	7.64E-07	4.42E-07	5.42E-07	4.91E-07	2.24E-07	1.96E-07	8.45E-09	2.04E-07	4.50E-08	7.36E-08	1.17E-07	2.06E-08	1.29E-08	4.81E-07
5753	489691.97	3857926.28	7.08E-04	8.67E-04	7.59E-04	2.45E-07	7.41E-07	4.29E-07	5.25E-07	4.76E-07	2.17E-07	1.90E-07	8.19E-09	1.98E-07	4.37E-08	7.13E-08	1.13E-07	1.99E-08	1.25E-08	4.67E-07
5754	489779.08	3857924.73	6.87E-04	8.41E-04	7.37E-04	2.38E-07	7.19E-07	4.16E-07	5.10E-07	4.62E-07	2.11E-07	1.85E-07	7.95E-09	1.92E-07	4.24E-08	6.92E-08	1.10E-07	1.93E-08	1.22E-08	4.53E-07
5755	490017.55	3857875.09	6.43E-04	7.87E-04	6.89E-04	2.23E-07	6.73E-07	3.89E-07	4.77E-07	4.32E-07	1.97E-07	1.73E-07	7.44E-09	1.80E-07	3.96E-08	6.47E-08	1.03E-07	1.81E-08	1.14E-08	4.24E-07
5756	490033.82	3857960.81	6.25E-04	7.65E-04	6.70E-04	2.16E-07	6.54E-07	3.78E-07	4.63E-07	4.20E-07	1.92E-07	1.68E-07	7.23E-09	1.75E-07	3.85E-08	6.29E-08	9.98E-08	1.76E-08	1.11E-08	4.12E-07
5757	489959.15	3857987.49	6.35E-04	7.78E-04	6.81E-04	2.20E-07	6.65E-07	3.85E-07	4.71E-07	4.27E-07	1.95E-07	1.71E-07	7.35E-09	1.78E-07	3.92E-08	6.40E-08	1.01E-07	1.79E-08	1.13E-08	4.19E-07
5758	489791.49	3858016.12	6.66E-04	8.16E-04	7.15E-04	2.31E-07	6.97E-07	4.04E-07	4.94E-07	4.48E-07	2.04E-07	1.79E-07	7.71E-09	1.86E-07	4.11E-08	6.71E-08	1.06E-07	1.88E-08	1.18E-08	4.39E-07
5759	489698.51	3858018.07	6.87E-04	8.42E-04	7.37E-04	2.38E-07	7.19E-07	4.16E-07	5.10E-07	4.62E-07	2.11E-07	1.85E-07	7.95E-09	1.92E-07	4.24E-08	6.92E-08	1.10E-07	1.94E-08	1.22E-08	4.53E-07
5760	489605.52	3858020.02	7.10E-04	8.69E-04	7.61E-04	2.46E-07	7.43E-07	4.30E-07	5.27E-07	4.77E-07	2.18E-07	1.91E-07	8.21E-09	1.98E-07	4.38E-08	7.15E-08	1.13E-07	2.00E-08	1.26E-08	4.68E-07
5761	489512.53	3858021.96	7.34E-04	8.98E-04	7.87E-04	2.54E-07	7.68E-07	4.44E-07	5.44E-07	4.93E-07	2.25E-07	1.97E-07	8.49E-09	2.05E-07	4.52E-08	7.39E-08	1.17E-07	2.07E-08	1.30E-08	4.84E-07
5762	489419.55	3858023.91	7.59E-04	9.29E-04	8.14E-04	2.63E-07	7.94E-07	4.60E-07	5.63E-07	5.10E-07	2.33E-07	2.04E-07	8.78E-09	2.12E-07	4.68E-08	7.64E-08	1.21E-07	2.14E-08	1.35E-08	5.00E-07
5763	489228.47	3858041.29	8.13E-04	9.96E-04	8.73E-04	2.82E-07	8.51E-07	4.92E-07	6.03E-07	5.47E-07	2.49E-07	2.19E-07	9.41E-09	2.27E-07	5.01E-08	8.19E-08	1.30E-07	2.29E-08	1.44E-08	5.36E-07
5764	489065.75	3858085.78	8.59E-04	1.05E-03	9.23E-04	2.98E-07	8.99E-07	5.21E-07	6.38E-07	5.78E-07	2.64E-07	2.31E-07	9.95E-09	2.40E-07	5.30E-08	8.66E-08	1.37E-07	2.42E-08	1.53E-08	5.67E-07
5765	489001.12	3858114.86	8.79E-04	1.08E-03	9.45E-04	3.05E-07	9.20E-07	5.33E-07	6.52E-07	5.91E-07	2.70E-07	2.37E-07	1.02E-08	2.46E-07	5.43E-08	8.86E-08	1.41E-07	2.48E-08	1.56E-08	5.80E-07
5766	488861.89	3858189.81	9.41E-04	1.15E-03	1.01E-03	3.26E-07	9.85E-07	5.70E-07	6.98E-07	6.33E-07	2.89E-07	2.53E-07	1.09E-08	2.63E-07	5.80E-08	9.48E-08	1.50E-07	2.65E-08	1.67E-08	6.20E-07
5767	488787.29	3858235.69	9.95E-04	1.22E-03	1.07E-03	3.45E-07	1.04E-06	6.03E-07	7.38E-07	6.69E-07	3.05E-07	2.68E-07	1.15E-08	2.78E-07	6.14E-08	1.00E-07	1.59E-07	2.80E-08	1.77E-08	6.56E-07
5768	488712.68	3858281.57	1.07E-03	1.31E-03	1.16E-03	3.72E-07	1.12E-06	6.50E-07	7.96E-07	7.22E-07	3.29E-07	2.89E-07	1.24E-08	3.00E-07	6.62E-08	1.08E-07	1.72E-07	3.02E-08	1.91E-08	7.08E-07
5769	488654.39	3858436.17	1.36E-03	1.66E-03	1.46E-03	4.70E-07	1.42E-06	8.22E-07	1.01E-06	9.13E-07	4.17E-07	3.67E-07	1.57E-08	3.79E-07	8.37E-08	1.37E-07	2.17E-07	3.82E-08	2.42E-08	8.95E-07
5770	488726.31	3858505.26	1.37E-03	1.68E-03	1.48E-03	4.76E-07	1.44E-06	8.32E-07	1.02E-06	9.24E-07	4.22E-07	3.71E-07	1.59E-08	3.84E-07	8.48E-08	1.38E-07	2.20E-07	3.87E-08	2.45E-08	9.06E-07
5771	488880.6	3858599.28	1.27E-03	1.55E-03	1.37E-03	4.40E-07	1.33E-06	7.69E-07	9.42E-07	8.54E-07	3.90E-07	3.43E-07	1.47E-08	3.55E-07	7.83E-08	1.28E-07	2.03E-07	3.58E-08	2.26E-08	8.37E-07
5772	489008.06	3858714.75	1.25E-03	1.54E-03	1.35E-03	4.35E-07	1.31E-06	7.60E-07	9.31E-07	8.44E-07	3.85E-07	3.39E-07	1.45E-08	3.51E-07	7.74E-08	1.26E-07	2.01E-07	3.53E-08	2.24E-08	8.27E-07
5773	489071.48	3858772.72	1.19E-03	1.46E-03	1.29E-03	4.14E-07	1.25E-06	7.24E-07	8.87E-07	8.04E-07	3.67E-07	3.23E-07	1.38E-08	3.34E-07	7.37E-08	1.20E-07	1.91E-07	3.37E-08	2.13E-08	7.88E-07
5774	489244.6	3858920.2	6.64E-04	8.14E-04	7.16E-04	2.30E-07	6.95E-07	4.02E-07	4.93E-07	4.47E-07	2.04E-07	1.79E-07	7.69E-09	1.86E-07	4.10E-08	6.69E-08	1.06E-07	1.87E-08	1.18E-08	4.38E-07
5775	489239.69	3858952.23	6.05E-04	7.42E-04	6.52E-04	2.10E-07	6.33E-07	3.67E-07	4.49E-07	4.07E-07	1.86E-07	1.63E-07	7.01E-09	1.69E-07	3.73E-08	6.10E-08	9.68E-08	1.71E-08	1.08E-08	3.99E-07
5776	489121.67	3858854.49	9.96E-04	1.22E-03	1.07E-03	3.45E-07	1.04E-06	6.03E-07	7.39E-07	6.70E-07	3.06E-07	2.69E-07	1.15E-08	2.78E-07	6.14E-08	1.00E-07	1.59E-07	2.81E-08	1.77E-08	6.57E-07
5777	489059.59	3858797.27	1.25E-03	1.53E-03	1.35E-03	4.33E-07	1.31E-06	7.57E-07	9.27E-07	8.40E-07	3.83E-07	3.38E-07	1.45E-08	3.49E-07	7.71E-08	1.26E-07	2.00E-07	3.52E-08	2.23E-08	8.24E-07
5778	488997.52	3858740.04	1.34E-03	1.64E-03	1.45E-03	4.64E-07	1.40E-06	8.12E-07	9.95E-07	9.02E-07	4.11E-07	3.62E-07	1.55E-08	3.75E-07	8.27E-08	1.35E-07	2.14E-07	3.78E-08	2.39E-08	8.84E-07
5779	488935.44	3858682.82	1.35E-03	1.66E-03	1.46E-03	4.69E-07	1.42E-06	8.20E-07	1.00E-06	9.10E-07	4.15E-07	3.66E-07	1.57E-08	3.78E-07	8.35E-08	1.36E-07	2.16E-07	3.81E-08	2.41E-08	8.92E-07
5780	488869.17	3858848.43	3.28E-03	4.02E-03	3.54E-03	1.14E-06	3.43E-06	1.99E-06	2.44E-06	2.21E-06	1.01E-06	8.88E-07	3.80E-08	9.17E-07	2.02E-07	3.31E-07	5.25E-07	9.24E-08	5.86E-08	2.16E-06
5781	488932.48	3858892.69	1.58E-03	1.94E-03	1.71E-03	5.49E-07	1.66E-06	9.60E-07	1.18E-06	1.07E-06	4.87E-07	4.29E-07	1.83E-08	4.43E-07	9.77E-08	1.60E-07	2.53E-07	4.46E-08	2.83E-08	1.04E-06
5782	489063.27	3858977.17	6.20E-04	7.59E-04	6.68E-04	2.15E-07	6.49E-07	3.75E-07	4.60E-07	4.17E-07	1.90E-07	1.67E-07	7.17E-09	1.73E-07	3.82E-08	6.25E-08	9.91E-08	1.75E-08	1.10E-08	4.09E-07
5783	489248.2	3859117.15	3.68E-04	4.50E-04	3.96E-04	1.27E-07	3.85E-07	2.23E-07	2.73E-07	2.47E-07	1.13E-07	9.91E-08	4.25E-09	1.03E-07	2.27E-08	3.70E-08	5.88E-08	1.04E-08	6.54E-09	2.42E-07
5784	489296.25	3859049.22	4.39E-04	5.37E-04	4.72E-04	1.52E-07	4.59E-07	2.66E-07	3.25E-07	2.95E-07	1.35E-07	1.18E-07	5.08E-09	1.23E-07	2.71E-08	4.42E-08	7.01E-08	1.24E-08	7.80E-09	2.89E-07
5785	489353.38	3858993.97	4.95E-04	6.06E-04	5.33E-04	1.71E-07	5.18E-07	3.00E-07	3.67E-07	3.33E-07	1.52E-07	1.33E-07	5.72E-09	1.38E-07	3.05E-08	4.98E-08	7.91E-08	1.39E-08	8.80E-09	3.26E-07
5786	489537.25	3859120.22	3.53E-04	4.33E-04	3.80E-04	1.23E-07	3.70E-07	2.14E-07	2.62E-07	2.38E-07	1.08E-07	9.53E-08	4.09E-09	9.88E-08	2.18E-08	3.56E-08	5.65E-08	9.96E-09	6.29E-09	2.33E-07
5787	489726.98	3859246.04	2.82E-04	3.45E-04	3.03E-04	9.76E-08	2.95E-07	1.71E-07	2.09E-07	1.89E-07	8.65E-08	7.59E-08	3.26E-09	7.87E-08	1.74E-08	2.84E-08	4.50E-08	7.93E-09	5.01E-09	1.86E-07
5788	489911.46	3859366.33	2.39E-04	2.93E-04	2.57E-04	8.28E-08	2.50E-07	1.45E-07	1.77E-07	1.61E-07	7.33E-08	6.43E-08	2.76E-09	6.68E-08	1.47E-08	2.41E-08	3.82E-08	6.73E-09	4.24E-09	1.57E-07

5789	490035.3	3859430.26	2.21E-04	2.70E-04	2.37E-04	7.64E-08	2.31E-07	1.34E-07	1.64E-07	1.48E-07	6.77E-08	5.94E-08	2.55E-09	6.17E-08	1.36E-08	2.22E-08	3.52E-08	6.21E-09	3.92E-09	1.45E-07
5790	490101.11	3859458.61	2.14E-04	2.62E-04	2.29E-04	7.40E-08	2.23E-07	1.29E-07	1.58E-07	1.44E-07	6.55E-08	5.75E-08	2.47E-09	5.97E-08	1.32E-08	2.15E-08	3.41E-08	6.01E-09	3.79E-09	1.41E-07
5791	490312.68	3859560.3	1.92E-04	2.35E-04	2.06E-04	6.66E-08	2.01E-07	1.16E-07	1.43E-07	1.29E-07	5.90E-08	5.17E-08	2.22E-09	5.37E-08	1.18E-08	1.94E-08	3.07E-08	5.41E-09	3.41E-09	1.27E-07
5792	490401.63	3859603.12	1.85E-04	2.26E-04	1.98E-04	6.40E-08	1.93E-07	1.12E-07	1.37E-07	1.24E-07	5.66E-08	4.97E-08	2.14E-09	5.16E-08	1.14E-08	1.86E-08	2.95E-08	5.20E-09	3.28E-09	1.22E-07
5793	490490.57	3859645.94	1.78E-04	2.18E-04	1.91E-04	6.16E-08	1.86E-07	1.08E-07	1.32E-07	1.20E-07	5.46E-08	4.79E-08	2.06E-09	4.97E-08	1.10E-08	1.79E-08	2.84E-08	5.01E-09	3.16E-09	1.17E-07
5794	490579.51	3859688.76	1.72E-04	2.10E-04	1.84E-04	5.95E-08	1.80E-07	1.04E-07	1.27E-07	1.15E-07	5.27E-08	4.62E-08	1.99E-09	4.80E-08	1.06E-08	1.73E-08	2.74E-08	4.83E-09	3.05E-09	1.13E-07
5795	490668.45	3859731.58	1.66E-04	2.04E-04	1.79E-04	5.76E-08	1.74E-07	1.01E-07	1.23E-07	1.12E-07	5.10E-08	4.48E-08	1.92E-09	4.65E-08	1.03E-08	1.68E-08	2.66E-08	4.68E-09	2.95E-09	1.10E-07
5796	490757.4	3859774.4	1.61E-04	1.97E-04	1.72E-04	5.56E-08	1.68E-07	9.72E-08	1.19E-07	1.08E-07	4.93E-08	4.32E-08	1.86E-09	4.49E-08	9.90E-09	1.62E-08	2.56E-08	4.52E-09	2.85E-09	1.06E-07
5797	491003.53	3859861.82	1.50E-04	1.84E-04	1.62E-04	5.21E-08	1.57E-07	9.11E-08	1.12E-07	1.01E-07	4.61E-08	4.05E-08	1.74E-09	4.20E-08	9.27E-09	1.51E-08	2.40E-08	4.23E-09	2.67E-09	9.91E-08
5798	491081.41	3859879.05	1.48E-04	1.82E-04	1.59E-04	5.14E-08	1.55E-07	8.98E-08	1.10E-07	9.97E-08	4.55E-08	3.99E-08	1.72E-09	4.15E-08	9.15E-09	1.49E-08	2.37E-08	4.18E-09	2.63E-09	9.78E-08
5799	491229.76	3859917.82	1.44E-04	1.76E-04	1.55E-04	4.99E-08	1.51E-07	8.72E-08	1.07E-07	9.68E-08	4.42E-08	3.87E-08	1.67E-09	4.02E-08	8.88E-09	1.45E-08	2.30E-08	4.05E-09	2.56E-09	9.49E-08
5800	491300.22	3859939.35	1.41E-04	1.73E-04	1.52E-04	4.90E-08	1.48E-07	8.57E-08	1.05E-07	9.52E-08	4.34E-08	3.81E-08	1.64E-09	3.96E-08	8.73E-09	1.43E-08	2.26E-08	3.99E-09	2.51E-09	9.33E-08
5801	491350.49	3860012.03	1.34E-04	1.64E-04	1.44E-04	4.63E-08	1.40E-07	8.09E-08	9.91E-08	8.99E-08	4.10E-08	3.60E-08	1.55E-09	3.74E-08	8.24E-09	1.35E-08	2.14E-08	3.76E-09	2.37E-09	8.81E-08
5802	491406.82	3860092.57	1.26E-04	1.55E-04	1.36E-04	4.37E-08	1.32E-07	7.64E-08	9.36E-08	8.49E-08	3.87E-08	3.40E-08	1.46E-09	3.53E-08	7.78E-09	1.27E-08	2.02E-08	3.55E-09	2.24E-09	8.32E-08
5803	491483.37	3860121.96	1.24E-04	1.52E-04	1.33E-04	4.30E-08	1.30E-07	7.51E-08	9.20E-08	8.34E-08	3.81E-08	3.34E-08	1.44E-09	3.47E-08	7.65E-09	1.25E-08	1.98E-08	3.49E-09	2.20E-09	8.18E-08
5804	491559.91	3860151.36	1.22E-04	1.49E-04	1.31E-04	4.22E-08	1.27E-07	7.38E-08	9.03E-08	8.19E-08	3.74E-08	3.28E-08	1.41E-09	3.40E-08	7.51E-09	1.23E-08	1.95E-08	3.43E-09	2.16E-09	8.03E-08
5805	491711.81	3860237.76	1.18E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.17E-08	8.79E-08	7.97E-08	3.63E-08	3.19E-08	1.37E-09	3.31E-08	7.31E-09	1.19E-08	1.89E-08	3.34E-09	2.10E-09	7.81E-08
5806	491755.2	3860319.07	1.09E-04	1.34E-04	1.17E-04	3.79E-08	1.14E-07	6.62E-08	8.11E-08	7.35E-08	3.35E-08	2.94E-08	1.26E-09	3.05E-08	6.74E-09	1.10E-08	1.75E-08	3.08E-09	1.94E-09	7.20E-08
5807	491704.71	3860366.54	1.06E-04	1.30E-04	1.14E-04	3.68E-08	1.11E-07	6.44E-08	7.88E-08	7.14E-08	3.26E-08	2.86E-08	1.23E-09	2.97E-08	6.55E-09	1.07E-08	1.70E-08	2.99E-09	1.89E-09	7.00E-08
5808	491623.43	3860462.39	1.00E-04	1.23E-04	1.08E-04	3.47E-08	1.05E-07	6.07E-08	7.44E-08	6.74E-08	3.08E-08	2.70E-08	1.16E-09	2.80E-08	6.18E-09	1.01E-08	1.60E-08	2.82E-09	1.78E-09	6.61E-08
5809	491534.02	3860439.85	1.05E-04	1.28E-04	1.12E-04	3.63E-08	1.10E-07	6.34E-08	7.77E-08	7.04E-08	3.21E-08	2.82E-08	1.21E-09	2.93E-08	6.46E-09	1.05E-08	1.67E-08	2.95E-09	1.86E-09	6.90E-08
5810	491313.95	3860268.18	1.11E-04	1.36E-04	1.19E-04	3.85E-08	1.16E-07	6.73E-08	8.24E-08	7.47E-08	3.41E-08	2.99E-08	1.29E-09	3.11E-08	6.85E-09	1.12E-08	1.78E-08	3.13E-09	1.97E-09	7.33E-08
5811	491187.12	3860143.56	1.21E-04	1.48E-04	1.30E-04	4.20E-08	1.27E-07	7.34E-08	8.99E-08	8.15E-08	3.72E-08	3.26E-08	1.40E-09	3.39E-08	7.47E-09	1.22E-08	1.94E-08	3.41E-09	2.15E-09	7.99E-08
5812	491070.43	3860075.97	1.27E-04	1.56E-04	1.37E-04	4.41E-08	1.33E-07	7.71E-08	9.44E-08	8.56E-08	3.91E-08	3.43E-08	1.47E-09	3.56E-08	7.85E-09	1.28E-08	2.03E-08	3.58E-09	2.26E-09	8.39E-08
5813	490995.09	3860039.39	1.31E-04	1.60E-04	1.40E-04	4.53E-08	1.37E-07	7.91E-08	9.69E-08	8.78E-08	4.01E-08	3.51E-08	1.51E-09	3.65E-08	8.06E-09	1.32E-08	2.09E-08	3.68E-09	2.32E-09	8.61E-08
5814	490919.75	3860002.8	1.34E-04	1.64E-04	1.44E-04	4.65E-08	1.40E-07	8.12E-08	9.95E-08	9.02E-08	4.12E-08	3.61E-08	1.55E-09	3.75E-08	8.27E-09	1.35E-08	2.14E-08	3.78E-09	2.38E-09	8.84E-08
5815	490756.81	3859894.53	1.46E-04	1.79E-04	1.57E-04	5.06E-08	1.53E-07	8.84E-08	1.08E-07	9.82E-08	4.48E-08	3.93E-08	1.69E-09	4.08E-08	9.00E-09	1.47E-08	2.33E-08	4.11E-09	2.59E-09	9.62E-08
5816	490668.07	3859860.92	1.49E-04	1.83E-04	1.60E-04	5.17E-08	1.56E-07	9.04E-08	1.11E-07	1.00E-07	4.58E-08	4.02E-08	1.73E-09	4.17E-08	9.20E-09	1.50E-08	2.38E-08	4.20E-09	2.65E-09	9.84E-08
5817	490579.34	3859827.3	1.53E-04	1.88E-04	1.64E-04	5.31E-08	1.60E-07	9.27E-08	1.14E-07	1.03E-07	4.70E-08	4.12E-08	1.77E-09	4.28E-08	9.44E-09	1.54E-08	2.45E-08	4.31E-09	2.72E-09	1.01E-07
5818	490490.6	3859793.68	1.57E-04	1.92E-04	1.68E-04	5.43E-08	1.64E-07	9.49E-08	1.16E-07	1.05E-07	4.81E-08	4.22E-08	1.81E-09	4.38E-08	9.67E-09	1.58E-08	2.50E-08	4.41E-09	2.78E-09	1.03E-07
5819	490401.86	3859760.07	1.61E-04	1.97E-04	1.73E-04	5.57E-08	1.68E-07	9.73E-08	1.19E-07	1.08E-07	4.93E-08	4.32E-08	1.86E-09	4.49E-08	9.91E-09	1.62E-08	2.57E-08	4.52E-09	2.85E-09	1.06E-07
5820	490313.12	3859726.45	1.65E-04	2.02E-04	1.78E-04	5.73E-08	1.73E-07	1.00E-07	1.23E-07	1.11E-07	5.07E-08	4.45E-08	1.91E-09	4.62E-08	1.02E-08	1.66E-08	2.64E-08	4.65E-09	2.93E-09	1.09E-07
5821	490224.39	3859692.83	1.70E-04	2.09E-04	1.83E-04	5.90E-08	1.78E-07	1.03E-07	1.26E-07	1.15E-07	5.23E-08	4.58E-08	1.97E-09	4.76E-08	1.05E-08	1.72E-08	2.72E-08	4.80E-09	3.02E-09	1.12E-07
5822	490135.65	3859659.22	1.76E-04	2.15E-04	1.89E-04	6.10E-08	1.84E-07	1.07E-07	1.31E-07	1.18E-07	5.40E-08	4.74E-08	2.04E-09	4.92E-08	1.09E-08	1.77E-08	2.81E-08	4.95E-09	3.12E-09	1.16E-07
5823	489918.19	3859559.23	1.94E-04	2.38E-04	2.09E-04	6.73E-08	2.03E-07	1.18E-07	1.44E-07	1.31E-07	5.96E-08	5.23E-08	2.25E-09	5.43E-08	1.20E-08	1.96E-08	3.10E-08	5.47E-09	3.45E-09	1.28E-07
5824	489743.61	3859486	2.10E-04	2.57E-04	2.26E-04	7.27E-08	2.20E-07	1.27E-07	1.56E-07	1.41E-07	6.44E-08	5.65E-08	2.43E-09	5.87E-08	1.29E-08	2.11E-08	3.35E-08	5.91E-09	3.73E-09	1.38E-07
5825	489660.32	3859440.27	2.21E-04	2.70E-04	2.37E-04	7.65E-08	2.31E-07	1.34E-07	1.64E-07	1.48E-07	6.78E-08	5.95E-08	2.55E-09	6.17E-08	1.36E-08	2.22E-08	3.53E-08	6.22E-09	3.92E-09	1.46E-07
5826	489577.04	3859394.53	2.33E-04	2.85E-04	2.51E-04	8.08E-08	2.44E-07	1.41E-07	1.73E-07	1.57E-07	7.15E-08	6.28E-08	2.70E-09	6.52E-08	1.44E-08	2.35E-08	3.72E-08	6.56E-09	4.14E-09	1.54E-07
5827	489493.75	3859348.8	2.47E-04	3.03E-04	2.65E-04	8.56E-08	2.58E-07	1.50E-07	1.83E-07	1.66E-07	7.58E-08	6.65E-08	2.86E-09	6.90E-08	1.52E-08	2.49E-08	3.95E-08	6.96E-09	4.39E-09	1.63E-07
5828	489321.28	3859240.02	2.89E-04	3.55E-04	3.11E-04	1.00E-07	3.03E-07	1.75E-07	2.15E-07	1.95E-07	8.88E-08	7.80E-08	3.35E-09	8.09E-08	1.79E-08	2.92E-08	4.63E-08	8.15E-09	5.14E-09	1.91E-07
5829	489235.41	3859193.96	3.15E-04	3.86E-04	3.39E-04	1.09E-07	3.29E-07	1.91E-07	2.34E-07	2.12E-07	9.66E-08	8.48E-08	3.64E-09	8.80E-08	1.94E-08	3.17E-08	5.03E-08	8.87E-09	5.60E-09	2.08E-07
5830	489149.54	3859147.89	3.46E-04	4.24E-04	3.72E-04	1.20E-07	3.62E-07	2.10E-07	2.57E-07	2.33E-07	1.06E-07	9.32E-08	4.00E-09	9.67E-08	2.13E-08	3.49E-08	5.53E-08	9.74E-09	6.15E-09	2.28E-07
5831	489063.68	3859101.82	3.88E-04	4.75E-04	4.17E-04	1.34E-07	4.06E-07	2.35E-07	2.88E-07	2.61E-07	1.19E-07	1.05E-07	4.49E-09	1.08E-07	2.39E-08	3.91E-08	6.20E-08	1.09E-08	6.90E-09	2.56E-07
5832	488977.81	3859055.75	4.44E-04	5.44E-04	4.79E-04	1.54E-07	4.65E-07	2.69E-07	3.30E-07	2.99E-07	1.36E-07	1.20E-07	5.14E-09	1.24E-07	2.74E-08	4.48E-08	7.10E-08	1.25E-08	7.91E-09	2.93E-07
5833	488891.94	3859009.69	5.20E-04	6.37E-04	5.60E-04	1.80E-07	5.44E-07	3.15E-07	3.86E-07	3.50E-07	1.60E-07	1.40E-07	6.02E-09	1.45E-07	3.21E-08	5.24E-08	8.32E-08	1.47E-08	9.26E-09	3.43E-07
5834	488808	3859060.73	4.29E-04	5.25E-04	4.61E-04	1.49E-07	4.48E-07	2.60E-07	3.18E-07	2.88E-07	1.32E-07	1.16E-07	4.96E-09	1.20E-07	2.64E-08	4.32E-08	6.85E-08	1.21E-08	7.63E-09	2.83E-07
5835	488809.93	3859157.85	3.38E-04	4.14E-04	3.63E-04	1.17E-07	3.53E-07	2.05E-07	2.51E-07	2.27E-07	1.04E-07	9.11E-08	3.91E-09	9.44E-08	2.08E-08	3.40E-08	5.40E-08	9.51E-09	6.01E-09	2.23E-07
5836	488811.86	3859254.96	2.84E-04	3.48E-04	3.06E-04	9.85E-08	2.97E-07	1.72E-07	2.11E-07	1.91E-07	8.72E-08	7.66E-08	3.29E-09	7.94E-08	1.75E-08	2.86E-08	4.54E-08	8.00E-09	5.05E-09	1.87E-07
5837	488813.78	3859352.07	2.47E-04	3.03E-04	2.66E-04	8.57E-08	2.59E-07	1.50E-07	1.84E-07	1.66E-07	7.59E-08	6.66E-08	2.86E-09	6.92E-08	1.53E-08	2.49E-08	3.95E-08	6.97E-09	4.40E-09	1.63E-07
5838	488815.71	3859449.19	2.21E-04	2.70E-04	2.37E-04	7.65E-08	2.31E-07	1.34E-07	1.64E-07	1.49E-07	6.78E-08	5.95E-08	2.56E-09	6.17E-08	1.36E-08	2.22E-08	3.53E-08	6.22E-09	3.92E-09	1.46E-07
5839	488910.04	3859547.11	2.00E-04	2.46E-04	2.15E-04	6.95E-08	2.10E-07	1.21E-07	1.49E-07	1.35E-07	6.15E-08	5.40E-08	2.32E-09	5.60E-08	1.24E-08	2.02E-08	3.20E-08	5.65E-09	3.56E-09	1.32E-07
5840	489002.45	3859547.91	2.02E-04	2.47E-04	2.17E-04	6.99E-08	2.11E-07	1.22E-07	1.50E-07	1.36E-07	6.19E-08	5.43E-08	2.33E-09	5.64E-08	1.24E-08	2.03E-08	3.22E-08	5.68E-09	3.58E-09	1.33E-07
5841	489094.85	3859548.72	2.03E-04	2.49E-04	2.18E-04	7.03E-08	2.12E-07	1.23E-07	1.51E-07	1.36E-07	6.23E-08	5.46E-08	2.35E-09	5.67E-08	1.25E-08	2.04E-08	3.24E-08	5.71E-09	3.60E-09	1.34E-07
5842	489230.05	3859601.87	1.94E-04	2.38E-04	2.09E-04	6.74E-08	2.03E-07	1.18E-07	1.44E-07	1.31E-07	5.97E-08	5.24E-08	2.25E-09	5.44E-08	1.20E-08	1.96E-08	3.11E-08	5.48E-09	3.45E-09	1.28E-07
5843	489227.52	3859680.89	1.81E-04	2.22E-04	1.94E-04	6.27E-08	1.89E-07	1.10E-07	1.34E-07	1.22E-07	5.55E-08	4.87E-08	2.09E-09	5.06E-08	1.12E-08	1.82E-08	2.89E-08	5.10E-09	3.21E-09	1.19E-07
5844	489133.47	3859760.29	1.68E-04	2.06E-04	1.81E-04	5.83E-08	1.76E-07	1.02E-07	1.25E-07	1.13E-07	5.17E-08	4.53E-08	1.95E-09	4.71E-08	1.04E-08	1.70E-08	2.69E-08	4.74E-09	2.99E-09	1.11E-07
5845	489041.96	3859760.67	1.68E-04	2.05E-04	1.80E-04	5.81E-08	1.75E-07	1.02E-07	1.24E-07	1.13E-07	5.14E-08	4.51E-08	1.94E-09	4.68E-08	1.03E-08	1.69E-08	2.68E-08	4.72E-09	2.98E-09	1.10E-07
5846	488950.45	3859761.05	1.67E-04	2.04E-04	1.79E-04	5.77E-08	1.74E-07	1.01E-07	1.24E-07	1.12E-07	5.11E-08	4.48E-08	1.93E-09	4.66E-08	1.03E-08	1.68E-08	2.66E-08	4.69E-09	2.96E-09	1.10E-07
5847	488858.94	3859761.43	1.66E-04	2.03E-04	1.78E-04	5.75E-08	1.73E-07	1.00E-07	1.23E-07	1.12E-07	5.09E-08	4.46E-08	1.92E-09	4.63E-08	1.02E-08	1.67E-08	2.65E-08	4.67E-09	2.94E-09	1.09E-07
5848	488767.43	3859761.82	1.65E-04	2.02E-04	1.77E-04	5.71E-08	1.72E-07	9.97E-08	1.22E-07	1.11E-07	5.05E-08	4.43E-08	1.91E-09	4.60E-08	1.02E-08	1.66E-08	2.63E-08	4.64E-09	2.92E-09	1.09E-07
5849	488675.92	3859762.2	1.64E-04	2.01E-04	1.76E-04	5.69E-08	1.72E-07	9.94E-08	1.22E-07	1.10E-07	5.03E-08	4.42E-08	1.90E-09	4.59E-08	1.01E-08	1.65E-08	2.62E-08	4.62E-09	2.91E-09	1.08E-07

5850	488584.41	3859762.58	1.63E-04	2.00E-04	1.75E-04	5.65E-08	1.71E-07	9.87E-08	1.21E-07	1.10E-07	5.00E-08	4.39E-08	1.89E-09	4.56E-08	1.01E-08	1.64E-08	2.61E-08	4.59E-09	2.90E-09	1.07E-07
5851	488492.9	3859762.96	1.62E-04	1.99E-04	1.74E-04	5.62E-08	1.70E-07	9.82E-08	1.20E-07	1.09E-07	4.98E-08	4.37E-08	1.88E-09	4.53E-08	1.00E-08	1.63E-08	2.59E-08	4.57E-09	2.88E-09	1.07E-07
5852	488402.76	3859830.95	1.54E-04	1.88E-04	1.65E-04	5.32E-08	1.61E-07	9.30E-08	1.14E-07	1.03E-07	4.71E-08	4.13E-08	1.78E-09	4.29E-08	9.47E-09	1.55E-08	2.45E-08	4.32E-09	2.73E-09	1.01E-07
5853	488404.14	3859898.55	1.46E-04	1.79E-04	1.57E-04	5.05E-08	1.53E-07	8.83E-08	1.08E-07	9.81E-08	4.48E-08	3.93E-08	1.69E-09	4.08E-08	9.00E-09	1.47E-08	2.33E-08	4.11E-09	2.59E-09	9.61E-08
5854	488505.18	3859964.96	1.40E-04	1.71E-04	1.50E-04	4.85E-08	1.46E-07	8.48E-08	1.04E-07	9.41E-08	4.30E-08	3.77E-08	1.62E-09	3.91E-08	8.63E-09	1.41E-08	2.24E-08	3.94E-09	2.49E-09	9.23E-08
5855	488604.85	3859963.76	1.41E-04	1.72E-04	1.51E-04	4.87E-08	1.47E-07	8.52E-08	1.04E-07	9.46E-08	4.32E-08	3.79E-08	1.63E-09	3.93E-08	8.68E-09	1.42E-08	2.25E-08	3.96E-09	2.50E-09	9.27E-08
5856	488704.51	3859962.56	1.42E-04	1.73E-04	1.52E-04	4.90E-08	1.48E-07	8.57E-08	1.05E-07	9.52E-08	4.34E-08	3.81E-08	1.64E-09	3.96E-08	8.73E-09	1.43E-08	2.26E-08	3.99E-09	2.51E-09	9.33E-08
5857	488804.18	3859961.37	1.43E-04	1.75E-04	1.53E-04	4.94E-08	1.49E-07	8.64E-08	1.06E-07	9.59E-08	4.38E-08	3.84E-08	1.65E-09	3.99E-08	8.79E-09	1.44E-08	2.28E-08	4.02E-09	2.53E-09	9.40E-08
5858	488903.85	3859960.17	1.44E-04	1.76E-04	1.54E-04	4.98E-08	1.50E-07	8.70E-08	1.07E-07	9.66E-08	4.41E-08	3.87E-08	1.66E-09	4.02E-08	8.86E-09	1.45E-08	2.30E-08	4.05E-09	2.55E-09	9.47E-08
5859	489003.52	3859958.97	1.45E-04	1.77E-04	1.55E-04	5.01E-08	1.51E-07	8.75E-08	1.07E-07	9.72E-08	4.43E-08	3.89E-08	1.67E-09	4.04E-08	8.91E-09	1.46E-08	2.31E-08	4.07E-09	2.57E-09	9.53E-08
5860	489103.18	3859957.77	1.45E-04	1.78E-04	1.56E-04	5.03E-08	1.52E-07	8.80E-08	1.08E-07	9.77E-08	4.46E-08	3.91E-08	1.68E-09	4.06E-08	8.96E-09	1.46E-08	2.32E-08	4.09E-09	2.58E-09	9.58E-08
5861	489201.48	3860046.59	1.38E-04	1.69E-04	1.48E-04	4.77E-08	1.44E-07	8.33E-08	1.02E-07	9.25E-08	4.22E-08	3.70E-08	1.59E-09	3.85E-08	8.49E-09	1.39E-08	2.20E-08	3.87E-09	2.44E-09	9.07E-08
5862	489200.11	3860136.61	1.30E-04	1.59E-04	1.39E-04	4.50E-08	1.36E-07	7.86E-08	9.63E-08	8.73E-08	3.98E-08	3.49E-08	1.50E-09	3.63E-08	8.00E-09	1.31E-08	2.07E-08	3.65E-09	2.30E-09	8.55E-08
5863	489198.74	3860226.63	1.23E-04	1.50E-04	1.32E-04	4.25E-08	1.28E-07	7.44E-08	9.11E-08	8.26E-08	3.77E-08	3.30E-08	1.42E-09	3.43E-08	7.57E-09	1.24E-08	1.96E-08	3.46E-09	2.18E-09	8.09E-08
5864	489197.38	3860316.66	1.16E-04	1.42E-04	1.25E-04	4.03E-08	1.22E-07	7.04E-08	8.63E-08	7.82E-08	3.57E-08	3.13E-08	1.35E-09	3.25E-08	7.17E-09	1.17E-08	1.86E-08	3.27E-09	2.06E-09	7.67E-08
5865	489196.01	3860406.68	1.11E-04	1.35E-04	1.19E-04	3.83E-08	1.16E-07	6.70E-08	8.20E-08	7.44E-08	3.39E-08	2.98E-08	1.28E-09	3.09E-08	6.82E-09	1.11E-08	1.77E-08	3.11E-09	1.96E-09	7.29E-08
5866	489194.64	3860496.7	1.05E-04	1.29E-04	1.13E-04	3.64E-08	1.10E-07	6.36E-08	7.79E-08	7.06E-08	3.22E-08	2.82E-08	1.21E-09	2.93E-08	6.47E-09	1.06E-08	1.68E-08	2.96E-09	1.86E-09	6.92E-08
5867	489193.27	3860586.72	1.00E-04	1.23E-04	1.08E-04	3.47E-08	1.05E-07	6.07E-08	7.43E-08	6.74E-08	3.07E-08	2.70E-08	1.16E-09	2.80E-08	6.18E-09	1.01E-08	1.60E-08	2.82E-09	1.78E-09	6.60E-08
5868	489092.02	3860678.13	9.50E-05	1.16E-04	1.02E-04	3.29E-08	9.94E-08	5.75E-08	7.05E-08	6.39E-08	2.91E-08	2.56E-08	1.10E-09	2.65E-08	5.86E-09	9.57E-09	1.52E-08	2.67E-09	1.69E-09	6.26E-08
5869	488992.13	3860679.53	9.43E-05	1.15E-04	1.01E-04	3.27E-08	9.86E-08	5.71E-08	6.99E-08	6.34E-08	2.89E-08	2.54E-08	1.09E-09	2.64E-08	5.82E-09	9.50E-09	1.51E-08	2.66E-09	1.67E-09	6.21E-08
5870	488892.25	3860680.92	9.38E-05	1.15E-04	1.01E-04	3.25E-08	9.82E-08	5.68E-08	6.96E-08	6.31E-08	2.88E-08	2.53E-08	1.09E-09	2.62E-08	5.79E-09	9.45E-09	1.50E-08	2.64E-09	1.67E-09	6.18E-08
5871	488792.36	3860682.31	9.34E-05	1.14E-04	1.00E-04	3.24E-08	9.77E-08	5.66E-08	6.93E-08	6.28E-08	2.87E-08	2.51E-08	1.08E-09	2.61E-08	5.76E-09	9.41E-09	1.49E-08	2.63E-09	1.66E-09	6.16E-08
5872	488692.48	3860683.7	9.32E-05	1.14E-04	1.00E-04	3.23E-08	9.76E-08	5.65E-08	6.92E-08	6.27E-08	2.86E-08	2.51E-08	1.08E-09	2.61E-08	5.75E-09	9.39E-09	1.49E-08	2.63E-09	1.66E-09	6.15E-08
5873	488592.59	3860685.1	9.28E-05	1.14E-04	9.97E-05	3.22E-08	9.71E-08	5.62E-08	6.89E-08	6.24E-08	2.85E-08	2.50E-08	1.07E-09	2.59E-08	5.73E-09	9.35E-09	1.48E-08	2.61E-09	1.65E-09	6.12E-08
5874	488492.71	3860686.49	9.33E-05	1.14E-04	1.00E-04	3.23E-08	9.76E-08	5.65E-08	6.92E-08	6.27E-08	2.86E-08	2.51E-08	1.08E-09	2.61E-08	5.75E-09	9.40E-09	1.49E-08	2.63E-09	1.66E-09	6.15E-08
5875	488299.07	3860762.18	9.19E-05	1.13E-04	9.87E-05	3.18E-08	9.62E-08	5.57E-08	6.82E-08	6.18E-08	2.82E-08	2.47E-08	1.06E-09	2.57E-08	5.67E-09	9.26E-09	1.47E-08	2.59E-09	1.63E-09	6.06E-08
5876	488205.32	3860764.09	9.13E-05	1.12E-04	9.81E-05	3.16E-08	9.55E-08	5.53E-08	6.77E-08	6.14E-08	2.80E-08	2.46E-08	1.06E-09	2.55E-08	5.63E-09	9.20E-09	1.46E-08	2.57E-09	1.62E-09	6.02E-08
5877	488111.56	3860766	9.04E-05	1.11E-04	9.71E-05	3.13E-08	9.46E-08	5.47E-08	6.71E-08	6.08E-08	2.77E-08	2.43E-08	1.05E-09	2.53E-08	5.58E-09	9.10E-09	1.44E-08	2.55E-09	1.60E-09	5.96E-08
5878	488017.81	3860767.91	8.95E-05	1.10E-04	9.61E-05	3.10E-08	9.36E-08	5.42E-08	6.64E-08	6.02E-08	2.75E-08	2.41E-08	1.04E-09	2.50E-08	5.52E-09	9.01E-09	1.43E-08	2.52E-09	1.59E-09	5.90E-08
5879	487924.06	3860769.81	8.88E-05	1.09E-04	9.54E-05	3.08E-08	9.29E-08	5.38E-08	6.59E-08	5.97E-08	2.72E-08	2.39E-08	1.03E-09	2.48E-08	5.48E-09	8.94E-09	1.42E-08	2.50E-09	1.58E-09	5.85E-08
5880	487830.31	3860771.72	8.83E-05	1.08E-04	9.49E-05	3.06E-08	9.24E-08	5.35E-08	6.55E-08	5.94E-08	2.71E-08	2.38E-08	1.02E-09	2.47E-08	5.45E-09	8.90E-09	1.41E-08	2.49E-09	1.57E-09	5.82E-08
5881	487736.55	3860773.63	8.80E-05	1.08E-04	9.46E-05	3.05E-08	9.21E-08	5.33E-08	6.53E-08	5.92E-08	2.70E-08	2.37E-08	1.02E-09	2.46E-08	5.43E-09	8.87E-09	1.41E-08	2.48E-09	1.56E-09	5.80E-08
5882	487642.8	3860775.54	8.81E-05	1.08E-04	9.47E-05	3.05E-08	9.22E-08	5.34E-08	6.54E-08	5.93E-08	2.70E-08	2.37E-08	1.02E-09	2.46E-08	5.44E-09	8.88E-09	1.41E-08	2.48E-09	1.57E-09	5.81E-08
5883	487549.48	3860684.71	9.20E-05	1.13E-04	9.89E-05	3.19E-08	9.63E-08	5.57E-08	6.83E-08	6.19E-08	2.82E-08	2.48E-08	1.07E-09	2.57E-08	5.68E-09	9.27E-09	1.47E-08	2.59E-09	1.63E-09	6.07E-08
5884	487549.91	3860591.97	9.55E-05	1.17E-04	1.03E-04	3.31E-08	9.99E-08	5.79E-08	7.09E-08	6.42E-08	2.93E-08	2.57E-08	1.11E-09	2.67E-08	5.89E-09	9.62E-09	1.53E-08	2.69E-09	1.70E-09	6.30E-08
5885	487550.34	3860499.23	9.98E-05	1.22E-04	1.07E-04	3.46E-08	1.04E-07	6.04E-08	7.40E-08	6.71E-08	3.06E-08	2.69E-08	1.15E-09	2.79E-08	6.15E-09	1.00E-08	1.59E-08	2.81E-09	1.77E-09	6.58E-08
5886	487550.76	3860406.49	1.05E-04	1.28E-04	1.12E-04	3.62E-08	1.09E-07	6.33E-08	7.76E-08	7.03E-08	3.21E-08	2.82E-08	1.21E-09	2.92E-08	6.45E-09	1.05E-08	1.67E-08	2.94E-09	1.86E-09	6.89E-08
5887	487551.19	3860313.75	1.09E-04	1.34E-04	1.17E-04	3.79E-08	1.14E-07	6.62E-08	8.11E-08	7.35E-08	3.35E-08	2.94E-08	1.27E-09	3.06E-08	6.74E-09	1.10E-08	1.75E-08	3.08E-09	1.94E-09	7.21E-08
5888	487551.62	3860221.01	1.15E-04	1.40E-04	1.23E-04	3.97E-08	1.20E-07	6.95E-08	8.51E-08	7.71E-08	3.52E-08	3.09E-08	1.33E-09	3.21E-08	7.07E-09	1.16E-08	1.83E-08	3.23E-09	2.04E-09	7.56E-08
5889	487552.05	3860128.27	1.21E-04	1.48E-04	1.30E-04	4.20E-08	1.27E-07	7.34E-08	8.99E-08	8.15E-08	3.72E-08	3.26E-08	1.40E-09	3.39E-08	7.48E-09	1.22E-08	1.94E-08	3.41E-09	2.15E-09	7.99E-08
5890	487552.48	3860035.53	1.28E-04	1.57E-04	1.38E-04	4.44E-08	1.34E-07	7.76E-08	9.50E-08	8.61E-08	3.93E-08	3.45E-08	1.48E-09	3.58E-08	7.90E-09	1.29E-08	2.05E-08	3.61E-09	2.27E-09	8.44E-08
5891	487552.91	3859942.79	1.34E-04	1.65E-04	1.44E-04	4.66E-08	1.41E-07	8.14E-08	9.97E-08	9.04E-08	4.12E-08	3.62E-08	1.56E-09	3.76E-08	8.29E-09	1.35E-08	2.15E-08	3.78E-09	2.39E-09	8.86E-08
5892	487553.33	3859850.05	1.43E-04	1.75E-04	1.53E-04	4.95E-08	1.49E-07	8.65E-08	1.06E-07	9.60E-08	4.38E-08	3.84E-08	1.65E-09	3.99E-08	8.80E-09	1.44E-08	2.28E-08	4.02E-09	2.54E-09	9.41E-08
5893	487553.76	3859757.31	1.51E-04	1.85E-04	1.62E-04	5.23E-08	1.58E-07	9.15E-08	1.12E-07	1.02E-07	4.64E-08	4.07E-08	1.75E-09	4.22E-08	9.32E-09	1.52E-08	2.41E-08	4.25E-09	2.68E-09	9.96E-08
5894	487554.19	3859664.57	1.60E-04	1.96E-04	1.72E-04	5.56E-08	1.68E-07	9.71E-08	1.19E-07	1.08E-07	4.92E-08	4.32E-08	1.86E-09	4.48E-08	9.89E-09	1.62E-08	2.56E-08	4.52E-09	2.85E-09	1.06E-07
5895	487460.2	3859571.05	1.69E-04	2.07E-04	1.82E-04	5.85E-08	1.77E-07	1.02E-07	1.25E-07	1.14E-07	5.18E-08	4.55E-08	1.95E-09	4.72E-08	1.04E-08	1.70E-08	2.70E-08	4.76E-09	3.00E-09	1.11E-07
5896	487365.78	3859570.27	1.68E-04	2.05E-04	1.80E-04	5.81E-08	1.75E-07	1.02E-07	1.24E-07	1.13E-07	5.14E-08	4.51E-08	1.94E-09	4.69E-08	1.03E-08	1.69E-08	2.68E-08	4.72E-09	2.98E-09	1.11E-07
5897	487271.36	3859569.48	1.66E-04	2.04E-04	1.79E-04	5.77E-08	1.74E-07	1.01E-07	1.23E-07	1.12E-07	5.11E-08	4.48E-08	1.93E-09	4.65E-08	1.03E-08	1.68E-08	2.66E-08	4.69E-09	2.95E-09	1.10E-07
5898	487176.94	3859568.7	1.65E-04	2.02E-04	1.77E-04	5.72E-08	1.73E-07	1.00E-07	1.22E-07	1.11E-07	5.07E-08	4.44E-08	1.91E-09	4.61E-08	1.02E-08	1.66E-08	2.64E-08	4.65E-09	2.93E-09	1.09E-07
5899	487082.51	3859567.92	1.64E-04	2.01E-04	1.76E-04	5.68E-08	1.72E-07	9.93E-08	1.22E-07	1.10E-07	5.03E-08	4.41E-08	1.90E-09	4.58E-08	1.01E-08	1.65E-08	2.62E-08	4.62E-09	2.91E-09	1.08E-07
5900	486988.09	3859567.14	1.63E-04	1.99E-04	1.75E-04	5.64E-08	1.70E-07	9.86E-08	1.21E-07	1.09E-07	4.99E-08	4.38E-08	1.88E-09	4.55E-08	1.00E-08	1.64E-08	2.60E-08	4.58E-09	2.89E-09	1.07E-07
5901	486893.67	3859566.36	1.62E-04	1.98E-04	1.74E-04	5.60E-08	1.69E-07	9.79E-08	1.20E-07	1.09E-07	4.96E-08	4.35E-08	1.87E-09	4.52E-08	9.97E-09	1.63E-08	2.58E-08	4.55E-09	2.87E-09	1.07E-07
5902	486799.25	3859565.58	1.61E-04	1.97E-04	1.72E-04	5.56E-08	1.68E-07	9.72E-08	1.19E-07	1.08E-07	4.93E-08	4.32E-08	1.86E-09	4.49E-08	9.90E-09	1.62E-08	2.56E-08	4.52E-09	2.85E-09	1.06E-07
5903	486704.83	3859564.79	1.59E-04	1.95E-04	1.71E-04	5.52E-08	1.67E-07	9.66E-08	1.18E-07	1.07E-07	4.89E-08	4.29E-08	1.84E-09	4.46E-08	9.83E-09	1.61E-08	2.55E-08	4.49E-09	2.83E-09	1.05E-07
5904	486610.41	3859564.01	1.58E-04	1.94E-04	1.70E-04	5.49E-08	1.66E-07	9.59E-08	1.17E-07	1.06E-07	4.86E-08	4.26E-08	1.83E-09	4.43E-08	9.77E-09	1.59E-08	2.53E-08	4.46E-09	2.81E-09	1.04E-07
5905	486515.99	3859563.23	1.57E-04	1.92E-04	1.68E-04	5.43E-08	1.64E-07	9.49E-08	1.16E-07	1.05E-07	4.81E-08	4.22E-08	1.81E-09	4.38E-08	9.66E-09	1.58E-08	2.50E-08	4.41E-09	2.78E-09	1.03E-07
5906	486421.57	3859562.45	1.55E-04	1.90E-04	1.67E-04	5.38E-08	1.63E-07	9.41E-08	1.15E-07	1.04E-07	4.77E-08	4.18E-08	1.80E-09	4.34E-08	9.58E-09	1.56E-08	2.48E-08	4.37E-09	2.76E-09	1.02E-07
5907	486327.14	3859561.67	1.54E-04	1.89E-04	1.66E-04	5.35E-08	1.61E-07	9.34E-08	1.14E-07	1.04E-07	4.73E-08	4.15E-08	1.79E-09	4.31E-08	9.52E-09	1.55E-08	2.47E-08	4.34E-09	2.74E-09	1.02E-07
5908	486232.72	3859560.89	1.53E-04	1.87E-04	1.64E-04	5.29E-08	1.60E-07	9.25E-08	1.13E-07	1.03E-07	4.68E-08	4.11E-08	1.77E-09	4.27E-08	9.42E-09	1.54E-08	2.44E-08	4.30E-09	2.71E-09	1.01E-07
5909	486138.3	3859560.1	1.51E-04	1.85E-04	1.62E-04	5.24E-08	1.58E-07	9.16E-08	1.12E-07	1.02E-07	4.64E-08	4.07E-08	1.75E-09	4.23E-08	9.33E-09	1.52E-08	2.42E-08	4.26E-09	2.68E-09	9.97E-08
5910	486043.88	3859559.32	1.50E-04	1.83E-04	1.61E-04	5.19E-08	1.57E-07	9.07E-08	1.11E-07	1.01E-07	4.59E-08	4.03E-08	1.73E-09	4.18E-08	9.23E-09	1.51E-08	2.39E-08	4.21E-09	2.66E-09	9.87E-08

5911	485949.35	3859463.54	1.55E-04	1.90E-04	1.66E-04	5.37E-08	1.62E-07	9.39E-08	1.15E-07	1.04E-07	4.76E-08	4.17E-08	1.79E-09	4.33E-08	9.56E-09	1.56E-08	2.48E-08	4.37E-09	2.75E-09	1.02E-07
5912	485949.24	3859368.55	1.63E-04	1.99E-04	1.75E-04	5.64E-08	1.70E-07	9.86E-08	1.21E-07	1.09E-07	4.99E-08	4.38E-08	1.88E-09	4.55E-08	1.00E-08	1.64E-08	2.60E-08	4.58E-09	2.89E-09	1.07E-07
5913	485949.12	3859273.55	1.71E-04	2.10E-04	1.84E-04	5.93E-08	1.79E-07	1.04E-07	1.27E-07	1.15E-07	5.25E-08	4.61E-08	1.98E-09	4.79E-08	1.06E-08	1.72E-08	2.74E-08	4.82E-09	3.04E-09	1.13E-07
5914	485949.01	3859178.56	1.80E-04	2.21E-04	1.93E-04	6.24E-08	1.89E-07	1.09E-07	1.34E-07	1.21E-07	5.53E-08	4.85E-08	2.08E-09	5.04E-08	1.11E-08	1.81E-08	2.88E-08	5.07E-09	3.20E-09	1.19E-07
5915	485948.9	3859083.56	1.90E-04	2.33E-04	2.04E-04	6.59E-08	1.99E-07	1.15E-07	1.41E-07	1.28E-07	5.84E-08	5.12E-08	2.20E-09	5.32E-08	1.17E-08	1.92E-08	3.04E-08	5.36E-09	3.37E-09	1.25E-07
5916	485948.79	3858988.56	2.00E-04	2.45E-04	2.15E-04	6.94E-08	2.10E-07	1.21E-07	1.49E-07	1.35E-07	6.15E-08	5.39E-08	2.32E-09	5.60E-08	1.24E-08	2.02E-08	3.20E-08	5.64E-09	3.55E-09	1.32E-07
5917	485948.67	3858893.57	2.11E-04	2.59E-04	2.27E-04	7.32E-08	2.21E-07	1.28E-07	1.57E-07	1.42E-07	6.48E-08	5.68E-08	2.44E-09	5.90E-08	1.30E-08	2.13E-08	3.37E-08	5.95E-09	3.75E-09	1.39E-07
5918	485948.56	3858798.57	2.24E-04	2.75E-04	2.41E-04	7.77E-08	2.35E-07	1.36E-07	1.66E-07	1.51E-07	6.88E-08	6.03E-08	2.60E-09	6.27E-08	1.38E-08	2.26E-08	3.58E-08	6.32E-09	3.98E-09	1.48E-07
5919	485948.45	3858703.58	2.37E-04	2.90E-04	2.54E-04	8.20E-08	2.48E-07	1.43E-07	1.76E-07	1.59E-07	7.26E-08	6.36E-08	2.74E-09	6.61E-08	1.46E-08	2.38E-08	3.78E-08	6.66E-09	4.20E-09	1.56E-07
5920	485948.34	3858608.58	2.52E-04	3.08E-04	2.70E-04	8.72E-08	2.63E-07	1.52E-07	1.87E-07	1.69E-07	7.72E-08	6.77E-08	2.91E-09	7.03E-08	1.55E-08	2.53E-08	4.02E-08	7.08E-09	4.46E-09	1.66E-07
5921	485948.22	3858513.59	2.68E-04	3.28E-04	2.87E-04	9.27E-08	2.80E-07	1.62E-07	1.99E-07	1.80E-07	8.21E-08	7.20E-08	3.10E-09	7.48E-08	1.65E-08	2.70E-08	4.28E-08	7.54E-09	4.75E-09	1.76E-07
5922	485948.11	3858418.59	2.85E-04	3.48E-04	3.05E-04	9.86E-08	2.98E-07	1.72E-07	2.11E-07	1.91E-07	8.73E-08	7.65E-08	3.29E-09	7.95E-08	1.76E-08	2.87E-08	4.55E-08	8.01E-09	5.05E-09	1.88E-07
5923	485948	3858323.59	3.04E-04	3.73E-04	3.27E-04	1.05E-07	3.18E-07	1.84E-07	2.26E-07	2.05E-07	9.34E-08	8.19E-08	3.52E-09	8.51E-08	1.88E-08	3.07E-08	4.86E-08	8.57E-09	5.40E-09	2.01E-07
5924	485947.89	3858228.6	3.25E-04	3.98E-04	3.49E-04	1.13E-07	3.40E-07	1.97E-07	2.41E-07	2.18E-07	9.96E-08	8.73E-08	3.76E-09	9.08E-08	2.00E-08	3.27E-08	5.19E-08	9.14E-09	5.76E-09	2.14E-07
5925	485947.77	3858133.6	3.47E-04	4.25E-04	3.73E-04	1.20E-07	3.63E-07	2.10E-07	2.58E-07	2.33E-07	1.07E-07	9.34E-08	4.02E-09	9.71E-08	2.14E-08	3.50E-08	5.55E-08	9.78E-09	6.16E-09	2.29E-07
5926	485947.66	3858038.61	3.76E-04	4.60E-04	4.03E-04	1.30E-07	3.93E-07	2.28E-07	2.79E-07	2.53E-07	1.15E-07	1.01E-07	4.35E-09	1.05E-07	2.32E-08	3.79E-08	6.01E-08	1.06E-08	6.67E-09	2.48E-07
5927	485854.54	3857943.35	3.86E-04	4.73E-04	4.15E-04	1.34E-07	4.04E-07	2.34E-07	2.87E-07	2.60E-07	1.19E-07	1.04E-07	4.47E-09	1.08E-07	2.38E-08	3.89E-08	6.17E-08	1.09E-08	6.85E-09	2.55E-07
5928	485761.52	3857943.09	3.71E-04	4.55E-04	3.99E-04	1.29E-07	3.89E-07	2.25E-07	2.76E-07	2.50E-07	1.14E-07	9.99E-08	4.30E-09	1.04E-07	2.29E-08	3.74E-08	5.93E-08	1.05E-08	6.59E-09	2.45E-07
5929	485668.51	3857942.83	3.59E-04	4.39E-04	3.85E-04	1.24E-07	3.75E-07	2.17E-07	2.66E-07	2.41E-07	1.10E-07	9.65E-08	4.15E-09	1.00E-07	2.21E-08	3.61E-08	5.73E-08	1.01E-08	6.36E-09	2.36E-07
5930	485575.5	3857942.56	3.45E-04	4.23E-04	3.71E-04	1.20E-07	3.61E-07	2.09E-07	2.56E-07	2.32E-07	1.06E-07	9.29E-08	4.00E-09	9.66E-08	2.13E-08	3.48E-08	5.52E-08	9.73E-09	6.13E-09	2.28E-07
5931	485482.48	3857942.3	3.34E-04	4.09E-04	3.59E-04	1.16E-07	3.50E-07	2.02E-07	2.48E-07	2.25E-07	1.03E-07	8.99E-08	3.87E-09	9.34E-08	2.06E-08	3.37E-08	5.34E-08	9.41E-09	5.93E-09	2.20E-07
5932	485389.47	3857942.04	3.23E-04	3.96E-04	3.47E-04	1.12E-07	3.38E-07	1.96E-07	2.40E-07	2.17E-07	9.92E-08	8.70E-08	3.74E-09	9.04E-08	1.99E-08	3.26E-08	5.17E-08	9.11E-09	5.74E-09	2.13E-07
5933	485296.46	3857941.78	3.13E-04	3.84E-04	3.36E-04	1.09E-07	3.28E-07	1.90E-07	2.32E-07	2.11E-07	9.61E-08	8.43E-08	3.63E-09	8.76E-08	1.93E-08	3.16E-08	5.01E-08	8.82E-09	5.56E-09	2.07E-07
5934	485203.45	3857941.52	3.05E-04	3.73E-04	3.27E-04	1.06E-07	3.19E-07	1.85E-07	2.26E-07	2.05E-07	9.35E-08	8.20E-08	3.53E-09	8.52E-08	1.88E-08	3.07E-08	4.87E-08	8.59E-09	5.41E-09	2.01E-07
5935	485110.43	3857941.26	2.95E-04	3.62E-04	3.17E-04	1.02E-07	3.09E-07	1.79E-07	2.19E-07	1.99E-07	9.07E-08	7.95E-08	3.42E-09	8.26E-08	1.82E-08	2.98E-08	4.72E-08	8.32E-09	5.25E-09	1.95E-07
5936	485017.42	3857940.99	2.86E-04	3.50E-04	3.07E-04	9.91E-08	2.99E-07	1.73E-07	2.12E-07	1.92E-07	8.78E-08	7.70E-08	3.31E-09	8.00E-08	1.76E-08	2.88E-08	4.57E-08	8.05E-09	5.08E-09	1.89E-07
5937	484924.41	3857940.73	2.77E-04	3.39E-04	2.98E-04	9.60E-08	2.90E-07	1.68E-07	2.06E-07	1.86E-07	8.50E-08	7.46E-08	3.21E-09	7.75E-08	1.71E-08	2.79E-08	4.43E-08	7.80E-09	4.92E-09	1.83E-07
5938	484831.39	3857940.47	2.69E-04	3.30E-04	2.89E-04	9.33E-08	2.82E-07	1.63E-07	2.00E-07	1.81E-07	8.26E-08	7.25E-08	3.12E-09	7.52E-08	1.66E-08	2.71E-08	4.30E-08	7.58E-09	4.78E-09	1.77E-07
5939	484738.12	3857859.3	2.72E-04	3.33E-04	2.93E-04	9.43E-08	2.85E-07	1.65E-07	2.02E-07	1.83E-07	8.35E-08	7.33E-08	3.15E-09	7.61E-08	1.68E-08	2.74E-08	4.35E-08	7.66E-09	4.84E-09	1.79E-07
5940	484737.85	3857778.4	2.84E-04	3.48E-04	3.06E-04	9.85E-08	2.97E-07	1.72E-07	2.11E-07	1.91E-07	8.72E-08	7.66E-08	3.29E-09	7.95E-08	1.75E-08	2.86E-08	4.54E-08	8.00E-09	5.05E-09	1.87E-07
5941	484737.59	3857697.49	2.97E-04	3.63E-04	3.19E-04	1.03E-07	3.10E-07	1.80E-07	2.20E-07	1.99E-07	9.10E-08	7.99E-08	3.43E-09	8.29E-08	1.83E-08	2.99E-08	4.74E-08	8.35E-09	5.27E-09	1.96E-07
5942	484737.32	3857616.59	3.09E-04	3.78E-04	3.32E-04	1.07E-07	3.23E-07	1.87E-07	2.29E-07	2.08E-07	9.48E-08	8.32E-08	3.58E-09	8.64E-08	1.91E-08	3.11E-08	4.94E-08	8.70E-09	5.49E-09	2.04E-07
5943	484645.53	3857535.18	3.12E-04	3.82E-04	3.35E-04	1.08E-07	3.26E-07	1.89E-07	2.31E-07	2.10E-07	9.57E-08	8.41E-08	3.61E-09	8.72E-08	1.92E-08	3.14E-08	4.99E-08	8.79E-09	5.54E-09	2.06E-07
5944	484553.99	3857534.67	3.02E-04	3.69E-04	3.24E-04	1.05E-07	3.16E-07	1.83E-07	2.24E-07	2.03E-07	9.25E-08	8.13E-08	3.49E-09	8.43E-08	1.86E-08	3.04E-08	4.82E-08	8.49E-09	5.36E-09	1.99E-07
5945	484462.46	3857534.17	2.93E-04	3.58E-04	3.15E-04	1.01E-07	3.06E-07	1.77E-07	2.17E-07	1.97E-07	8.98E-08	7.88E-08	3.39E-09	8.18E-08	1.81E-08	2.95E-08	4.68E-08	8.24E-09	5.20E-09	1.93E-07
5946	484370.93	3857533.66	2.84E-04	3.48E-04	3.05E-04	9.84E-08	2.97E-07	1.72E-07	2.11E-07	1.91E-07	8.71E-08	7.65E-08	3.29E-09	7.94E-08	1.75E-08	2.86E-08	4.54E-08	7.99E-09	5.04E-09	1.87E-07
5947	484279.4	3857533.16	2.76E-04	3.38E-04	2.96E-04	9.56E-08	2.89E-07	1.67E-07	2.05E-07	1.85E-07	8.46E-08	7.43E-08	3.19E-09	7.71E-08	1.70E-08	2.78E-08	4.41E-08	7.76E-09	4.90E-09	1.82E-07
5948	484187.86	3857532.65	2.68E-04	3.28E-04	2.88E-04	9.27E-08	2.80E-07	1.62E-07	1.98E-07	1.80E-07	8.21E-08	7.21E-08	3.10E-09	7.48E-08	1.65E-08	2.69E-08	4.28E-08	7.53E-09	4.75E-09	1.76E-07
5949	484096.33	3857532.15	2.60E-04	3.19E-04	2.80E-04	9.02E-08	2.72E-07	1.58E-07	1.93E-07	1.75E-07	7.99E-08	7.01E-08	3.01E-09	7.28E-08	1.61E-08	2.62E-08	4.16E-08	7.33E-09	4.62E-09	1.72E-07
5950	484004.8	3857531.64	2.52E-04	3.09E-04	2.71E-04	8.75E-08	2.64E-07	1.53E-07	1.87E-07	1.70E-07	7.75E-08	6.80E-08	2.92E-09	7.06E-08	1.56E-08	2.54E-08	4.03E-08	7.11E-09	4.49E-09	1.66E-07
5951	483913.27	3857531.14	2.44E-04	2.99E-04	2.62E-04	8.46E-08	2.55E-07	1.48E-07	1.81E-07	1.64E-07	7.49E-08	6.58E-08	2.83E-09	6.83E-08	1.51E-08	2.46E-08	3.90E-08	6.88E-09	4.34E-09	1.61E-07
5952	483821.73	3857530.63	2.37E-04	2.90E-04	2.55E-04	8.21E-08	2.48E-07	1.44E-07	1.76E-07	1.59E-07	7.27E-08	6.38E-08	2.74E-09	6.62E-08	1.46E-08	2.39E-08	3.79E-08	6.67E-09	4.21E-09	1.56E-07
5953	483729.61	3857450.11	2.37E-04	2.91E-04	2.55E-04	8.22E-08	2.48E-07	1.44E-07	1.76E-07	1.60E-07	7.28E-08	6.39E-08	2.75E-09	6.63E-08	1.46E-08	2.39E-08	3.79E-08	6.68E-09	4.21E-09	1.56E-07
5954	483729.03	3857370.08	2.46E-04	3.01E-04	2.65E-04	8.53E-08	2.58E-07	1.49E-07	1.83E-07	1.66E-07	7.55E-08	6.63E-08	2.85E-09	6.88E-08	1.52E-08	2.48E-08	3.93E-08	6.93E-09	4.37E-09	1.62E-07
5955	483728.44	3857290.06	2.54E-04	3.11E-04	2.73E-04	8.81E-08	2.66E-07	1.54E-07	1.89E-07	1.71E-07	7.80E-08	6.85E-08	2.94E-09	7.11E-08	1.57E-08	2.56E-08	4.06E-08	7.16E-09	4.52E-09	1.68E-07
5956	483727.86	3857210.03	2.62E-04	3.21E-04	2.82E-04	9.10E-08	2.75E-07	1.59E-07	1.95E-07	1.76E-07	8.05E-08	7.07E-08	3.04E-09	7.34E-08	1.62E-08	2.64E-08	4.19E-08	7.39E-09	4.66E-09	1.73E-07
5957	483641.15	3857129.07	2.63E-04	3.22E-04	2.83E-04	9.12E-08	2.75E-07	1.59E-07	1.95E-07	1.77E-07	8.08E-08	7.09E-08	3.05E-09	7.36E-08	1.62E-08	2.65E-08	4.20E-08	7.41E-09	4.67E-09	1.73E-07
5958	483555.03	3857128.14	2.55E-04	3.12E-04	2.74E-04	8.84E-08	2.67E-07	1.55E-07	1.89E-07	1.72E-07	7.83E-08	6.87E-08	2.95E-09	7.13E-08	1.57E-08	2.57E-08	4.08E-08	7.18E-09	4.53E-09	1.68E-07
5959	483468.91	3857127.2	2.46E-04	3.01E-04	2.64E-04	8.52E-08	2.57E-07	1.49E-07	1.82E-07	1.65E-07	7.55E-08	6.62E-08	2.85E-09	6.87E-08	1.52E-08	2.48E-08	3.93E-08	6.92E-09	4.37E-09	1.62E-07
5960	483382.78	3857126.26	2.39E-04	2.93E-04	2.57E-04	8.30E-08	2.50E-07	1.45E-07	1.78E-07	1.61E-07	7.35E-08	6.44E-08	2.77E-09	6.69E-08	1.48E-08	2.41E-08	3.82E-08	6.74E-09	4.25E-09	1.58E-07
5961	483296.66	3857125.32	2.32E-04	2.84E-04	2.49E-04	8.04E-08	2.43E-07	1.41E-07	1.72E-07	1.56E-07	7.12E-08	6.25E-08	2.69E-09	6.49E-08	1.43E-08	2.34E-08	3.71E-08	6.54E-09	4.12E-09	1.53E-07
5962	483210.54	3857124.39	2.25E-04	2.75E-04	2.41E-04	7.79E-08	2.35E-07	1.36E-07	1.67E-07	1.51E-07	6.89E-08	6.05E-08	2.60E-09	6.28E-08	1.39E-08	2.26E-08	3.59E-08	6.33E-09	3.99E-09	1.48E-07
5963	483123.4	3857030.96	2.25E-04	2.75E-04	2.41E-04	7.79E-08	2.35E-07	1.36E-07	1.67E-07	1.51E-07	6.90E-08	6.05E-08	2.60E-09	6.28E-08	1.39E-08	2.26E-08	3.59E-08	6.33E-09	3.99E-09	1.48E-07
5964	483122.38	3856938.46	2.33E-04	2.85E-04	2.50E-04	8.06E-08	2.43E-07	1.41E-07	1.73E-07	1.56E-07	7.14E-08	6.26E-08	2.69E-09	6.50E-08	1.44E-08	2.34E-08	3.72E-08	6.55E-09	4.13E-09	1.53E-07
5965	483121.35	3856845.97	2.41E-04	2.95E-04	2.59E-04	8.35E-08	2.52E-07	1.46E-07	1.79E-07	1.62E-07	7.39E-08	6.48E-08	2.79E-09	6.73E-08	1.49E-08	2.43E-08	3.85E-08	6.78E-09	4.28E-09	1.59E-07
5966	483120.33	3856753.47	2.47E-04	3.03E-04	2.66E-04	8.57E-08	2.59E-07	1.50E-07	1.84E-07	1.66E-07	7.59E-08	6.66E-08	2.86E-09	6.91E-08	1.53E-08	2.49E-08	3.95E-08	6.97E-09	4.39E-09	1.63E-07
5967	483119.31	3856660.98	2.54E-04	3.11E-04	2.73E-04	8.81E-08	2.66E-07	1.54E-07	1.89E-07	1.71E-07	7.80E-08	6.84E-08	2.94E-09	7.10E-08	1.57E-08	2.56E-08	4.06E-08	7.16E-09	4.51E-09	1.67E-07
5968	483118.29	3856568.49	2.62E-04	3.21E-04	2.81E-04	9.07E-08	2.74E-07	1.59E-07	1.94E-07	1.76E-07	8.03E-08	7.05E-08	3.03E-09	7.32E-08	1.61E-08	2.64E-08	4.18E-08	7.37E-09	4.65E-09	1.73E-07
5969	483117.26	3856475.99	2.70E-04	3.31E-04	2.90E-04	9.36E-08	2.83E-07	1.64E-07	2.00E-07	1.82E-07	8.29E-08	7.27E-08	3.13E-09	7.55E-08	1.67E-08	2.72E-08	4.32E-08	7.61E-09	4.80E-09	1.78E-07
5970	483116.24	3856383.5	2.78E-04	3.41E-04	2.99E-04	9.64E-08	2.91E-07	1.68E-07	2.06E-07	1.87E-07	8.53E-08	7.48E-08	3.22E-09	7.77E-08	1.72E-08	2.80E-08	4.44E-08	7.83E-09	4.94E-09	1.83E-07
5971	483115.22	3856291.01	2.86E-04	3.51E-04	3.08E-04	9.93E-08	3.00E-07	1.73E-07	2.12E-07	1.93E-07	8.79E-08	7.71E-08	3.31E-09	8.01E-08	1.77E-08	2.88E-08	4.58E-08	8.07E-09	5.08E-09	1.89E-07

5972	483114.2	3856198.51	2.94E-04	3.60E-04	3.16E-04	1.02E-07	3.08E-07	1.78E-07	2.18E-07	1.98E-07	9.02E-08	7.91E-08	3.40E-09	8.22E-08	1.81E-08	2.96E-08	4.70E-08	8.28E-09	5.22E-09	1.94E-07
5973	483113.17	3856106.02	3.04E-04	3.73E-04	3.27E-04	1.05E-07	3.18E-07	1.84E-07	2.26E-07	2.05E-07	9.33E-08	8.19E-08	3.52E-09	8.50E-08	1.88E-08	3.06E-08	4.86E-08	8.57E-09	5.40E-09	2.01E-07
5974	483112.15	3856013.52	3.13E-04	3.83E-04	3.36E-04	1.08E-07	3.28E-07	1.90E-07	2.32E-07	2.11E-07	9.61E-08	8.42E-08	3.62E-09	8.75E-08	1.93E-08	3.15E-08	5.00E-08	8.82E-09	5.56E-09	2.06E-07
5975	483029.25	3855920.47	3.10E-04	3.80E-04	3.33E-04	1.08E-07	3.25E-07	1.88E-07	2.30E-07	2.09E-07	9.52E-08	8.35E-08	3.59E-09	8.67E-08	1.91E-08	3.13E-08	4.96E-08	8.74E-09	5.51E-09	2.05E-07
5976	482947.37	3855919.91	2.98E-04	3.65E-04	3.20E-04	1.03E-07	3.11E-07	1.80E-07	2.21E-07	2.00E-07	9.13E-08	8.01E-08	3.44E-09	8.32E-08	1.84E-08	3.00E-08	4.76E-08	8.38E-09	5.28E-09	1.96E-07
5977	482865.49	3855919.36	2.85E-04	3.50E-04	3.06E-04	9.89E-08	2.99E-07	1.73E-07	2.12E-07	1.92E-07	8.76E-08	7.68E-08	3.30E-09	7.98E-08	1.76E-08	2.88E-08	4.56E-08	8.04E-09	5.06E-09	1.88E-07
5978	482783.61	3855918.8	2.75E-04	3.37E-04	2.95E-04	9.53E-08	2.88E-07	1.67E-07	2.04E-07	1.85E-07	8.44E-08	7.40E-08	3.18E-09	7.69E-08	1.70E-08	2.77E-08	4.40E-08	7.75E-09	4.88E-09	1.81E-07
5979	482700.33	3855818.39	2.72E-04	3.33E-04	2.92E-04	9.42E-08	2.84E-07	1.65E-07	2.02E-07	1.83E-07	8.34E-08	7.31E-08	3.15E-09	7.60E-08	1.68E-08	2.74E-08	4.34E-08	7.65E-09	4.82E-09	1.79E-07
5980	482698.92	3855718.54	2.80E-04	3.43E-04	3.00E-04	9.69E-08	2.93E-07	1.69E-07	2.08E-07	1.88E-07	8.58E-08	7.52E-08	3.24E-09	7.82E-08	1.73E-08	2.82E-08	4.47E-08	7.88E-09	4.96E-09	1.84E-07
5981	482697.52	3855618.68	2.86E-04	3.50E-04	3.07E-04	9.91E-08	2.99E-07	1.73E-07	2.12E-07	1.92E-07	8.78E-08	7.69E-08	3.31E-09	7.99E-08	1.76E-08	2.88E-08	4.57E-08	8.05E-09	5.07E-09	1.88E-07
5982	482696.11	3855518.83	2.93E-04	3.59E-04	3.15E-04	1.02E-07	3.07E-07	1.78E-07	2.18E-07	1.97E-07	9.00E-08	7.89E-08	3.39E-09	8.20E-08	1.81E-08	2.95E-08	4.69E-08	8.26E-09	5.20E-09	1.93E-07
5983	482694.71	3855418.98	2.98E-04	3.65E-04	3.20E-04	1.03E-07	3.12E-07	1.81E-07	2.21E-07	2.01E-07	9.16E-08	8.02E-08	3.45E-09	8.34E-08	1.84E-08	3.01E-08	4.77E-08	8.40E-09	5.29E-09	1.97E-07
5984	482693.3	3855319.13	3.03E-04	3.72E-04	3.26E-04	1.05E-07	3.17E-07	1.84E-07	2.25E-07	2.04E-07	9.31E-08	8.16E-08	3.51E-09	8.48E-08	1.87E-08	3.06E-08	4.85E-08	8.54E-09	5.38E-09	2.00E-07
5985	482691.9	3855219.27	3.10E-04	3.80E-04	3.33E-04	1.07E-07	3.25E-07	1.88E-07	2.30E-07	2.09E-07	9.52E-08	8.34E-08	3.59E-09	8.67E-08	1.91E-08	3.12E-08	4.96E-08	8.74E-09	5.50E-09	2.04E-07
5986	482690.49	3855119.42	3.16E-04	3.88E-04	3.40E-04	1.10E-07	3.31E-07	1.92E-07	2.35E-07	2.13E-07	9.71E-08	8.51E-08	3.66E-09	8.85E-08	1.95E-08	3.19E-08	5.06E-08	8.91E-09	5.62E-09	2.09E-07
5987	482689.09	3855019.57	3.27E-04	4.01E-04	3.51E-04	1.13E-07	3.42E-07	1.98E-07	2.43E-07	2.20E-07	1.00E-07	8.80E-08	3.79E-09	9.15E-08	2.02E-08	3.30E-08	5.23E-08	9.22E-09	5.81E-09	2.16E-07
5988	482687.68	3854919.72	3.36E-04	4.12E-04	3.61E-04	1.16E-07	3.52E-07	2.04E-07	2.49E-07	2.26E-07	1.03E-07	9.04E-08	3.89E-09	9.40E-08	2.07E-08	3.39E-08	5.37E-08	9.47E-09	5.97E-09	2.22E-07
5989	482686.28	3854819.86	3.49E-04	4.27E-04	3.74E-04	1.21E-07	3.65E-07	2.11E-07	2.59E-07	2.34E-07	1.07E-07	9.38E-08	4.03E-09	9.74E-08	2.15E-08	3.51E-08	5.57E-08	9.82E-09	6.19E-09	2.30E-07
5990	482684.88	3854720.01	3.58E-04	4.39E-04	3.85E-04	1.24E-07	3.75E-07	2.17E-07	2.66E-07	2.41E-07	1.10E-07	9.64E-08	4.14E-09	1.00E-07	2.21E-08	3.61E-08	5.72E-08	1.01E-08	6.36E-09	2.36E-07
5991	482683.47	3854620.16	3.74E-04	4.59E-04	4.02E-04	1.30E-07	3.92E-07	2.27E-07	2.78E-07	2.52E-07	1.15E-07	1.01E-07	4.33E-09	1.05E-07	2.31E-08	3.77E-08	5.98E-08	1.05E-08	6.65E-09	2.47E-07
5992	482682.07	3854520.31	3.88E-04	4.76E-04	4.18E-04	1.35E-07	4.06E-07	2.35E-07	2.88E-07	2.61E-07	1.19E-07	1.05E-07	4.50E-09	1.09E-07	2.40E-08	3.91E-08	6.21E-08	1.09E-08	6.90E-09	2.56E-07
5993	482680.66	3854420.45	4.02E-04	4.93E-04	4.33E-04	1.39E-07	4.21E-07	2.44E-07	2.99E-07	2.71E-07	1.24E-07	1.08E-07	4.66E-09	1.12E-07	2.48E-08	4.05E-08	6.43E-08	1.13E-08	7.16E-09	2.65E-07
5994	482679.26	3854320.6	4.13E-04	5.06E-04	4.45E-04	1.43E-07	4.32E-07	2.50E-07	3.07E-07	2.78E-07	1.27E-07	1.11E-07	4.78E-09	1.16E-07	2.55E-08	4.16E-08	6.61E-08	1.16E-08	7.35E-09	2.73E-07
5995	482677.85	3854220.75	4.36E-04	5.35E-04	4.70E-04	1.51E-07	4.57E-07	2.64E-07	3.24E-07	2.94E-07	1.34E-07	1.18E-07	5.05E-09	1.22E-07	2.69E-08	4.40E-08	6.98E-08	1.23E-08	7.77E-09	2.88E-07
5996	482676.45	3854120.9	4.34E-04	5.32E-04	4.68E-04	1.51E-07	4.55E-07	2.63E-07	3.22E-07	2.92E-07	1.33E-07	1.17E-07	5.03E-09	1.21E-07	2.68E-08	4.38E-08	6.95E-08	1.22E-08	7.74E-09	2.86E-07
5997	482675.04	3854021.04	4.36E-04	5.34E-04	4.70E-04	1.51E-07	4.56E-07	2.64E-07	3.24E-07	2.93E-07	1.34E-07	1.18E-07	5.05E-09	1.22E-07	2.69E-08	4.39E-08	6.97E-08	1.23E-08	7.77E-09	2.88E-07
5998	482673.64	3853921.19	4.35E-04	5.33E-04	4.69E-04	1.51E-07	4.55E-07	2.63E-07	3.23E-07	2.92E-07	1.33E-07	1.17E-07	5.03E-09	1.22E-07	2.68E-08	4.38E-08	6.95E-08	1.22E-08	7.74E-09	2.87E-07
5999	482672.23	3853821.34	4.41E-04	5.40E-04	4.75E-04	1.53E-07	4.61E-07	2.67E-07	3.27E-07	2.97E-07	1.35E-07	1.19E-07	5.10E-09	1.23E-07	2.72E-08	4.44E-08	7.05E-08	1.24E-08	7.85E-09	2.91E-07
6000	482670.83	3853721.49	4.33E-04	5.31E-04	4.67E-04	1.50E-07	4.53E-07	2.63E-07	3.22E-07	2.92E-07	1.33E-07	1.17E-07	5.02E-09	1.21E-07	2.67E-08	4.37E-08	6.93E-08	1.22E-08	7.72E-09	2.86E-07
6001	482669.42	3853621.63	3.84E-04	4.71E-04	4.14E-04	1.33E-07	4.02E-07	2.33E-07	2.85E-07	2.59E-07	1.18E-07	1.04E-07	4.45E-09	1.07E-07	2.37E-08	3.87E-08	6.14E-08	1.08E-08	6.85E-09	2.53E-07
6002	482645.99	3853446.13	2.23E-04	2.73E-04	2.40E-04	7.73E-08	2.33E-07	1.35E-07	1.66E-07	1.50E-07	6.85E-08	6.02E-08	2.58E-09	6.24E-08	1.38E-08	2.25E-08	3.57E-08	6.28E-09	3.97E-09	1.47E-07
6003	482623.97	3853370.49	1.88E-04	2.31E-04	2.03E-04	6.53E-08	1.97E-07	1.14E-07	1.40E-07	1.27E-07	5.78E-08	5.08E-08	2.18E-09	5.27E-08	1.16E-08	1.90E-08	3.01E-08	5.31E-09	3.35E-09	1.24E-07
6004	482601.94	3853294.84	1.67E-04	2.04E-04	1.79E-04	5.78E-08	1.74E-07	1.01E-07	1.24E-07	1.12E-07	5.12E-08	4.49E-08	1.93E-09	4.66E-08	1.03E-08	1.68E-08	2.66E-08	4.69E-09	2.96E-09	1.10E-07
6005	482531.29	3853133.44	1.39E-04	1.71E-04	1.50E-04	4.83E-08	1.46E-07	8.44E-08	1.03E-07	9.37E-08	4.28E-08	3.75E-08	1.61E-09	3.89E-08	8.59E-09	1.40E-08	2.23E-08	3.92E-09	2.47E-09	9.18E-08
6006	482482.68	3853047.69	1.30E-04	1.59E-04	1.40E-04	4.50E-08	1.36E-07	7.87E-08	9.65E-08	8.74E-08	3.99E-08	3.50E-08	1.50E-09	3.63E-08	8.02E-09	1.31E-08	2.08E-08	3.66E-09	2.31E-09	8.57E-08
6007	482383.09	3852897.4	1.16E-04	1.42E-04	1.25E-04	4.02E-08	1.21E-07	7.02E-08	8.60E-08	7.80E-08	3.56E-08	3.12E-08	1.34E-09	3.24E-08	7.15E-09	1.17E-08	1.85E-08	3.27E-09	2.06E-09	7.65E-08
6008	482265.64	3852765.26	1.06E-04	1.30E-04	1.14E-04	3.67E-08	1.11E-07	6.42E-08	7.86E-08	7.12E-08	3.25E-08	2.85E-08	1.23E-09	2.96E-08	6.53E-09	1.07E-08	1.69E-08	2.98E-09	1.88E-09	6.98E-08
6009	482199.16	3852697.66	1.01E-04	1.24E-04	1.09E-04	3.51E-08	1.06E-07	6.14E-08	7.52E-08	6.82E-08	3.11E-08	2.73E-08	1.17E-09	2.83E-08	6.25E-09	1.02E-08	1.62E-08	2.86E-09	1.80E-09	6.68E-08
6010	482132.69	3852630.07	9.74E-05	1.19E-04	1.05E-04	3.37E-08	1.02E-07	5.90E-08	7.22E-08	6.55E-08	2.99E-08	2.62E-08	1.13E-09	2.72E-08	6.00E-09	9.81E-09	1.56E-08	2.74E-09	1.73E-09	6.42E-08
6011	482066.21	3852562.48	9.36E-05	1.15E-04	1.01E-04	3.24E-08	9.79E-08	5.67E-08	6.94E-08	6.29E-08	2.87E-08	2.52E-08	1.08E-09	2.62E-08	5.77E-09	9.43E-09	1.50E-08	2.64E-09	1.66E-09	6.17E-08
6012	481999.74	3852494.89	9.00E-05	1.10E-04	9.67E-05	3.12E-08	9.41E-08	5.45E-08	6.68E-08	6.05E-08	2.76E-08	2.42E-08	1.04E-09	2.51E-08	5.55E-09	9.06E-09	1.44E-08	2.53E-09	1.60E-09	5.93E-08
6013	481933.26	3852427.29	8.66E-05	1.06E-04	9.31E-05	3.00E-08	9.07E-08	5.25E-08	6.43E-08	5.83E-08	2.66E-08	2.33E-08	1.00E-09	2.42E-08	5.34E-09	8.73E-09	1.38E-08	2.44E-09	1.54E-09	5.71E-08
6014	481866.79	3852359.7	8.37E-05	1.03E-04	8.99E-05	2.90E-08	8.76E-08	5.07E-08	6.21E-08	5.63E-08	2.57E-08	2.25E-08	9.69E-10	2.34E-08	5.16E-09	8.43E-09	1.34E-08	2.36E-09	1.49E-09	5.52E-08
6015	481800.31	3852292.11	8.10E-05	9.92E-05	8.70E-05	2.81E-08	8.48E-08	4.91E-08	6.01E-08	5.45E-08	2.49E-08	2.18E-08	9.38E-10	2.26E-08	5.00E-09	8.16E-09	1.29E-08	2.28E-09	1.44E-09	5.34E-08
6016	481733.84	3852224.52	7.84E-05	9.61E-05	8.43E-05	2.72E-08	8.21E-08	4.75E-08	5.82E-08	5.28E-08	2.41E-08	2.11E-08	9.08E-10	2.19E-08	4.84E-09	7.90E-09	1.25E-08	2.21E-09	1.39E-09	5.17E-08
6017	481667.36	3852156.92	7.61E-05	9.32E-05	8.18E-05	2.64E-08	7.96E-08	4.61E-08	5.65E-08	5.12E-08	2.34E-08	2.05E-08	8.81E-10	2.13E-08	4.69E-09	7.67E-09	1.22E-08	2.14E-09	1.35E-09	5.02E-08
6018	481600.89	3852089.33	7.36E-05	9.02E-05	7.91E-05	2.55E-08	7.71E-08	4.46E-08	5.46E-08	4.95E-08	2.26E-08	1.98E-08	8.52E-10	2.06E-08	4.54E-09	7.42E-09	1.18E-08	2.07E-09	1.31E-09	4.86E-08
6019	481534.41	3852021.74	7.13E-05	8.73E-05	7.66E-05	2.47E-08	7.46E-08	4.32E-08	5.29E-08	4.80E-08	2.19E-08	1.92E-08	8.25E-10	1.99E-08	4.40E-09	7.18E-09	1.14E-08	2.01E-09	1.27E-09	4.70E-08
6020	481467.94	3851954.15	6.91E-05	8.47E-05	7.43E-05	2.40E-08	7.23E-08	4.19E-08	5.13E-08	4.65E-08	2.12E-08	1.86E-08	8.00E-10	1.93E-08	4.26E-09	6.96E-09	1.10E-08	1.95E-09	1.23E-09	4.56E-08
6021	481401.46	3851886.55	6.72E-05	8.23E-05	7.22E-05	2.33E-08	7.03E-08	4.07E-08	4.99E-08	4.52E-08	2.06E-08	1.81E-08	7.78E-10	1.88E-08	4.14E-09	6.77E-09	1.07E-08	1.89E-09	1.19E-09	4.43E-08
6022	481265.87	3851761.43	6.35E-05	7.78E-05	6.83E-05	2.20E-08	6.65E-08	3.85E-08	4.71E-08	4.27E-08	1.95E-08	1.71E-08	7.35E-10	1.78E-08	3.92E-09	6.40E-09	1.02E-08	1.79E-09	1.13E-09	4.19E-08
6023	481196.74	3851703.89	6.19E-05	7.58E-05	6.65E-05	2.15E-08	6.48E-08	3.75E-08	4.59E-08	4.16E-08	1.90E-08	1.67E-08	7.17E-10	1.73E-08	3.82E-09	6.24E-09	9.90E-09	1.74E-09	1.10E-09	4.08E-08
6024	481076.33	3851619.05	5.93E-05	7.27E-05	6.38E-05	2.06E-08	6.21E-08	3.60E-08	4.40E-08	3.99E-08	1.82E-08	1.60E-08	6.87E-10	1.66E-08	3.66E-09	5.98E-09	9.48E-09	1.67E-09	1.05E-09	3.91E-08
6025	480939.8	3851549.07	5.68E-05	6.96E-05	6.11E-05	1.97E-08	5.95E-08	3.44E-08	4.22E-08	3.82E-08	1.74E-08	1.53E-08	6.58E-10	1.59E-08	3.51E-09	5.73E-09	9.08E-09	1.60E-09	1.01E-09	3.75E-08
6026	480854.56	3851506.41	5.52E-05	6.77E-05	5.93E-05	1.91E-08	5.78E-08	3.35E-08	4.10E-08	3.72E-08	1.70E-08	1.49E-08	6.39E-10	1.54E-08	3.41E-09	5.56E-09	8.83E-09	1.56E-09	9.81E-10	3.64E-08
6027	480769.32	3851463.75	5.37E-05	6.58E-05	5.77E-05	1.86E-08	5.62E-08	3.25E-08	3.98E-08	3.61E-08	1.65E-08	1.45E-08	6.21E-10	1.50E-08	3.31E-09	5.41E-09	8.58E-09	1.51E-09	9.53E-10	3.54E-08
6028	480684.08	3851421.08	5.22E-05	6.39E-05	5.60E-05	1.81E-08	5.46E-08	3.16E-08	3.87E-08	3.51E-08	1.60E-08	1.40E-08	6.04E-10	1.46E-08	3.22E-09	5.25E-09	8.34E-09	1.47E-09	9.26E-10	3.44E-08
6029	480598.84	3851378.42	5.06E-05	6.20E-05	5.44E-05	1.75E-08	5.29E-08	3.06E-08	3.75E-08	3.40E-08	1.55E-08	1.36E-08	5.85E-10	1.41E-08	3.12E-09	5.10E-09	8.09E-09	1.43E-09	8.98E-10	3.34E-08
6030	480435.71	3851275.01	4.78E-05	5.85E-05	5.13E-05	1.66E-08	5.00E-08	2.89E-08	3.54E-08	3.21E-08	1.47E-08	1.29E-08	5.53E-10	1.34E-08	2.95E-09	4.81E-09	7.63E-09	1.35E-09	8.48E-10	3.15E-08
6031	480347.85	3851232.36	4.63E-05	5.67E-05	4.98E-05	1.60E-08	4.85E-08	2.81E-08	3.44E-08	3.11E-08	1.42E-08	1.25E-08	5.36E-10	1.29E-08	2.86E-09	4.67E-09	7.40E-09	1.30E-09	8.22E-10	3.05E-08
6032	480260	3851189.72	4.49E-05	5.50E-05	4.82E-05	1.56E-08	4.70E-08	2.72E-08	3.33E-08	3.02E-08	1.38E-08	1.21E-08	5.19E-10	1.25E-08	2.77E-09	4.52E-09	7.17E-09	1.26E-09	7.97E-10	2.96E-08

6033	480172.15	3851147.07	4.35E-05	5.33E-05	4.68E-05	1.51E-08	4.55E-08	2.64E-08	3.23E-08	2.93E-08	1.34E-08	1.17E-08	5.04E-10	1.22E-08	2.68E-09	4.38E-09	6.96E-09	1.23E-09	7.73E-10	2.87E-08
6034	480084.29	3851104.42	4.22E-05	5.16E-05	4.53E-05	1.46E-08	4.41E-08	2.55E-08	3.13E-08	2.84E-08	1.29E-08	1.14E-08	4.88E-10	1.18E-08	2.60E-09	4.25E-09	6.74E-09	1.19E-09	7.49E-10	2.78E-08
6035	479996.44	3851061.77	4.09E-05	5.01E-05	4.39E-05	1.42E-08	4.28E-08	2.48E-08	3.03E-08	2.75E-08	1.25E-08	1.10E-08	4.73E-10	1.14E-08	2.52E-09	4.12E-09	6.53E-09	1.15E-09	7.26E-10	2.70E-08
6036	479908.58	3851019.13	3.95E-05	4.84E-05	4.25E-05	1.37E-08	4.13E-08	2.39E-08	2.93E-08	2.66E-08	1.21E-08	1.06E-08	4.57E-10	1.10E-08	2.44E-09	3.98E-09	6.31E-09	1.11E-09	7.02E-10	2.60E-08
6037	479820.73	3850976.48	3.83E-05	4.69E-05	4.12E-05	1.33E-08	4.01E-08	2.32E-08	2.84E-08	2.58E-08	1.18E-08	1.03E-08	4.43E-10	1.07E-08	2.36E-09	3.86E-09	6.12E-09	1.08E-09	6.81E-10	2.53E-08
6038	479732.88	3850933.83	3.72E-05	4.55E-05	3.99E-05	1.29E-08	3.89E-08	2.25E-08	2.76E-08	2.50E-08	1.14E-08	1.00E-08	4.30E-10	1.04E-08	2.29E-09	3.74E-09	5.94E-09	1.05E-09	6.60E-10	2.45E-08
6039	479645.02	3850891.18	3.61E-05	4.42E-05	3.88E-05	1.25E-08	3.78E-08	2.19E-08	2.68E-08	2.43E-08	1.11E-08	9.72E-09	4.18E-10	1.01E-08	2.23E-09	3.64E-09	5.77E-09	1.02E-09	6.41E-10	2.38E-08
6040	479557.17	3850848.54	3.51E-05	4.31E-05	3.78E-05	1.22E-08	3.68E-08	2.13E-08	2.61E-08	2.36E-08	1.08E-08	9.47E-09	4.07E-10	9.83E-09	2.17E-09	3.54E-09	5.62E-09	9.90E-10	6.24E-10	2.32E-08
6041	479469.32	3850805.89	3.41E-05	4.18E-05	3.67E-05	1.18E-08	3.57E-08	2.07E-08	2.53E-08	2.29E-08	1.05E-08	9.19E-09	3.95E-10	9.54E-09	2.10E-09	3.44E-09	5.45E-09	9.61E-10	6.06E-10	2.25E-08
6042	479381.46	3850763.24	3.34E-05	4.09E-05	3.59E-05	1.16E-08	3.49E-08	2.02E-08	2.48E-08	2.24E-08	1.02E-08	8.98E-09	3.86E-10	9.33E-09	2.06E-09	3.36E-09	5.33E-09	9.40E-10	5.93E-10	2.20E-08
6043	479293.61	3850720.59	3.28E-05	4.02E-05	3.52E-05	1.14E-08	3.43E-08	1.99E-08	2.43E-08	2.21E-08	1.01E-08	8.83E-09	3.79E-10	9.16E-09	2.02E-09	3.30E-09	5.24E-09	9.23E-10	5.82E-10	2.16E-08
6044	479205.76	3850677.95	3.22E-05	3.94E-05	3.46E-05	1.11E-08	3.37E-08	1.95E-08	2.39E-08	2.16E-08	9.87E-09	8.66E-09	3.72E-10	8.99E-09	1.98E-09	3.24E-09	5.14E-09	9.06E-10	5.72E-10	2.12E-08
6045	479117.9	3850635.3	3.16E-05	3.88E-05	3.40E-05	1.10E-08	3.31E-08	1.92E-08	2.35E-08	2.13E-08	9.71E-09	8.52E-09	3.66E-10	8.84E-09	1.95E-09	3.19E-09	5.06E-09	8.91E-10	5.62E-10	2.09E-08
6046	479030.05	3850592.65	3.11E-05	3.81E-05	3.34E-05	1.08E-08	3.25E-08	1.88E-08	2.31E-08	2.09E-08	9.54E-09	8.37E-09	3.60E-10	8.69E-09	1.92E-09	3.13E-09	4.97E-09	8.76E-10	5.52E-10	2.05E-08
6047	478942.19	3850550	3.04E-05	3.72E-05	3.27E-05	1.05E-08	3.18E-08	1.84E-08	2.26E-08	2.05E-08	9.33E-09	8.19E-09	3.52E-10	8.50E-09	1.88E-09	3.06E-09	4.86E-09	8.56E-10	5.40E-10	2.00E-08
6048	478854.34	3850507.36	2.93E-05	3.59E-05	3.15E-05	1.02E-08	3.07E-08	1.78E-08	2.18E-08	1.97E-08	9.00E-09	7.89E-09	3.39E-10	8.19E-09	1.81E-09	2.95E-09	4.68E-09	8.26E-10	5.21E-10	1.93E-08
6049	478766.49	3850464.71	2.85E-05	3.49E-05	3.07E-05	9.89E-09	2.99E-08	1.73E-08	2.12E-08	1.92E-08	8.76E-09	7.68E-09	3.30E-10	7.97E-09	1.76E-09	2.87E-09	4.56E-09	8.04E-10	5.07E-10	1.88E-08
6050	478678.63	3850422.06	2.79E-05	3.42E-05	3.00E-05	9.67E-09	2.92E-08	1.69E-08	2.07E-08	1.88E-08	8.56E-09	7.51E-09	3.23E-10	7.80E-09	1.72E-09	2.81E-09	4.46E-09	7.86E-10	4.95E-10	1.84E-08
6051	478590.78	3850379.41	2.72E-05	3.34E-05	2.93E-05	9.44E-09	2.85E-08	1.65E-08	2.02E-08	1.83E-08	8.36E-09	7.33E-09	3.15E-10	7.61E-09	1.68E-09	2.74E-09	4.35E-09	7.67E-10	4.84E-10	1.80E-08
6052	478502.93	3850336.77	2.67E-05	3.28E-05	2.87E-05	9.27E-09	2.80E-08	1.62E-08	1.98E-08	1.80E-08	8.21E-09	7.20E-09	3.10E-10	7.48E-09	1.65E-09	2.69E-09	4.27E-09	7.53E-10	4.75E-10	1.76E-08
6053	478415.07	3850294.12	2.64E-05	3.23E-05	2.83E-05	9.14E-09	2.76E-08	1.60E-08	1.96E-08	1.77E-08	8.10E-09	7.10E-09	3.05E-10	7.37E-09	1.63E-09	2.66E-09	4.22E-09	7.43E-10	4.68E-10	1.74E-08
6054	478327.22	3850251.47	2.58E-05	3.16E-05	2.77E-05	8.93E-09	2.70E-08	1.56E-08	1.91E-08	1.73E-08	7.91E-09	6.94E-09	2.98E-10	7.20E-09	1.59E-09	2.60E-09	4.12E-09	7.26E-10	4.58E-10	1.70E-08
6055	478239.36	3850208.82	2.53E-05	3.10E-05	2.72E-05	8.77E-09	2.65E-08	1.53E-08	1.88E-08	1.70E-08	7.76E-09	6.81E-09	2.93E-10	7.07E-09	1.56E-09	2.55E-09	4.04E-09	7.13E-10	4.49E-10	1.67E-08
6056	478151.51	3850166.18	2.49E-05	3.05E-05	2.68E-05	8.63E-09	2.61E-08	1.51E-08	1.85E-08	1.68E-08	7.65E-09	6.71E-09	2.88E-10	6.96E-09	1.54E-09	2.51E-09	3.98E-09	7.02E-10	4.42E-10	1.64E-08
6057	478063.66	3850123.53	2.46E-05	3.01E-05	2.64E-05	8.52E-09	2.57E-08	1.49E-08	1.82E-08	1.65E-08	7.54E-09	6.62E-09	2.84E-10	6.87E-09	1.52E-09	2.48E-09	3.93E-09	6.92E-10	4.37E-10	1.62E-08
6058	477975.8	3850080.88	2.51E-05	3.07E-05	2.69E-05	8.68E-09	2.62E-08	1.52E-08	1.86E-08	1.69E-08	7.69E-09	6.75E-09	2.90E-10	7.01E-09	1.55E-09	2.52E-09	4.00E-09	7.06E-10	4.45E-10	1.65E-08
6059	477887.95	3850038.23	2.49E-05	3.05E-05	2.68E-05	8.64E-09	2.61E-08	1.51E-08	1.85E-08	1.68E-08	7.65E-09	6.71E-09	2.88E-10	6.97E-09	1.54E-09	2.51E-09	3.98E-09	7.02E-10	4.43E-10	1.64E-08
6060	477800.1	3849995.59	2.49E-05	3.05E-05	2.67E-05	8.62E-09	2.60E-08	1.51E-08	1.85E-08	1.67E-08	7.63E-09	6.70E-09	2.88E-10	6.95E-09	1.53E-09	2.51E-09	3.97E-09	7.01E-10	4.42E-10	1.64E-08
6061	477712.24	3849952.94	2.46E-05	3.02E-05	2.65E-05	8.54E-09	2.58E-08	1.49E-08	1.83E-08	1.66E-08	7.56E-09	6.63E-09	2.85E-10	6.89E-09	1.52E-09	2.48E-09	3.94E-09	6.94E-10	4.38E-10	1.62E-08
6062	477624.39	3849910.29	2.44E-05	2.99E-05	2.62E-05	8.46E-09	2.55E-08	1.48E-08	1.81E-08	1.64E-08	7.49E-09	6.57E-09	2.82E-10	6.82E-09	1.51E-09	2.46E-09	3.90E-09	6.87E-10	4.33E-10	1.61E-08
6063	477536.54	3849867.64	2.42E-05	2.97E-05	2.60E-05	8.39E-09	2.53E-08	1.47E-08	1.80E-08	1.63E-08	7.43E-09	6.52E-09	2.80E-10	6.77E-09	1.49E-09	2.44E-09	3.87E-09	6.82E-10	4.30E-10	1.60E-08
6064	477448.68	3849825	2.39E-05	2.93E-05	2.57E-05	8.29E-09	2.50E-08	1.45E-08	1.78E-08	1.61E-08	7.34E-09	6.44E-09	2.77E-10	6.69E-09	1.48E-09	2.41E-09	3.82E-09	6.74E-10	4.25E-10	1.58E-08
6065	477360.83	3849782.35	2.37E-05	2.90E-05	2.54E-05	8.21E-09	2.48E-08	1.43E-08	1.76E-08	1.59E-08	7.27E-09	6.38E-09	2.74E-10	6.62E-09	1.46E-09	2.39E-09	3.78E-09	6.67E-10	4.21E-10	1.56E-08
6066	477272.97	3849739.7	2.34E-05	2.87E-05	2.52E-05	8.11E-09	2.45E-08	1.42E-08	1.74E-08	1.57E-08	7.18E-09	6.30E-09	2.71E-10	6.54E-09	1.44E-09	2.36E-09	3.74E-09	6.59E-10	4.16E-10	1.54E-08
6067	477185.12	3849697.05	2.32E-05	2.84E-05	2.49E-05	8.04E-09	2.43E-08	1.40E-08	1.72E-08	1.56E-08	7.12E-09	6.24E-09	2.68E-10	6.48E-09	1.43E-09	2.34E-09	3.71E-09	6.53E-10	4.12E-10	1.53E-08
6068	477097.27	3849654.41	2.29E-05	2.80E-05	2.46E-05	7.93E-09	2.39E-08	1.39E-08	1.70E-08	1.54E-08	7.02E-09	6.16E-09	2.65E-10	6.40E-09	1.41E-09	2.30E-09	3.66E-09	6.44E-10	4.06E-10	1.51E-08
6069	477009.41	3849611.76	2.24E-05	2.74E-05	2.41E-05	7.76E-09	2.34E-08	1.36E-08	1.66E-08	1.51E-08	6.87E-09	6.03E-09	2.59E-10	6.26E-09	1.38E-09	2.26E-09	3.58E-09	6.31E-10	3.98E-10	1.48E-08
6070	476841.49	3849530.08	2.18E-05	2.67E-05	2.35E-05	7.57E-09	2.28E-08	1.32E-08	1.62E-08	1.47E-08	6.70E-09	5.88E-09	2.53E-10	6.10E-09	1.35E-09	2.20E-09	3.49E-09	6.15E-10	3.88E-10	1.44E-08
6071	476761.41	3849491.05	2.16E-05	2.65E-05	2.33E-05	7.50E-09	2.26E-08	1.31E-08	1.61E-08	1.46E-08	6.64E-09	5.83E-09	2.50E-10	6.05E-09	1.33E-09	2.18E-09	3.46E-09	6.09E-10	3.84E-10	1.43E-08
6072	476681.34	3849452.02	2.13E-05	2.61E-05	2.29E-05	7.38E-09	2.23E-08	1.29E-08	1.58E-08	1.43E-08	6.54E-09	5.74E-09	2.47E-10	5.96E-09	1.31E-09	2.15E-09	3.41E-09	6.00E-10	3.78E-10	1.40E-08
6073	476601.26	3849412.99	2.09E-05	2.57E-05	2.25E-05	7.26E-09	2.19E-08	1.27E-08	1.55E-08	1.41E-08	6.43E-09	5.64E-09	2.42E-10	5.85E-09	1.29E-09	2.11E-09	3.35E-09	5.90E-10	3.72E-10	1.38E-08
6074	476456.32	3849353.67	2.02E-05	2.48E-05	2.17E-05	7.01E-09	2.12E-08	1.23E-08	1.50E-08	1.36E-08	6.21E-09	5.45E-09	2.34E-10	5.65E-09	1.25E-09	2.04E-09	3.23E-09	5.70E-10	3.59E-10	1.33E-08
6075	476305.43	3849318.84	2.02E-05	2.48E-05	2.17E-05	7.01E-09	2.12E-08	1.23E-08	1.50E-08	1.36E-08	6.21E-09	5.45E-09	2.34E-10	5.65E-09	1.25E-09	2.04E-09	3.23E-09	5.70E-10	3.59E-10	1.33E-08
6076	476129.36	3849289.99	2.01E-05	2.46E-05	2.15E-05	6.95E-09	2.10E-08	1.21E-08	1.49E-08	1.35E-08	6.15E-09	5.40E-09	2.32E-10	5.61E-09	1.24E-09	2.02E-09	3.20E-09	5.65E-10	3.56E-10	1.32E-08
6077	476039.31	3849275.68	2.00E-05	2.45E-05	2.15E-05	6.94E-09	2.09E-08	1.21E-08	1.49E-08	1.35E-08	6.14E-09	5.39E-09	2.32E-10	5.59E-09	1.23E-09	2.02E-09	3.20E-09	5.64E-10	3.55E-10	1.32E-08
6078	475949.26	3849261.38	1.97E-05	2.41E-05	2.11E-05	6.81E-09	2.06E-08	1.19E-08	1.46E-08	1.32E-08	6.03E-09	5.29E-09	2.27E-10	5.49E-09	1.21E-09	1.98E-09	3.14E-09	5.53E-10	3.49E-10	1.30E-08
6079	475859.21	3849247.08	1.96E-05	2.40E-05	2.10E-05	6.78E-09	2.05E-08	1.18E-08	1.45E-08	1.32E-08	6.00E-09	5.26E-09	2.26E-10	5.47E-09	1.21E-09	1.97E-09	3.13E-09	5.51E-10	3.47E-10	1.29E-08
6080	475769.16	3849232.77	1.94E-05	2.38E-05	2.08E-05	6.72E-09	2.03E-08	1.18E-08	1.44E-08	1.30E-08	5.95E-09	5.22E-09	2.25E-10	5.42E-09	1.20E-09	1.95E-09	3.10E-09	5.46E-10	3.44E-10	1.28E-08
6081	475585.23	3849219.27	1.75E-05	2.15E-05	1.88E-05	6.08E-09	1.84E-08	1.06E-08	1.30E-08	1.18E-08	5.38E-09	4.72E-09	2.03E-10	4.90E-09	1.08E-09	1.77E-09	2.80E-09	4.94E-10	3.11E-10	1.16E-08
6082	475444.5	3849150.35	1.83E-05	2.24E-05	1.96E-05	6.34E-09	1.91E-08	1.11E-08	1.36E-08	1.23E-08	5.61E-09	4.92E-09	2.12E-10	5.11E-09	1.13E-09	1.84E-09	2.92E-09	5.15E-10	3.25E-10	1.21E-08
6083	475334.18	3849118.71	1.83E-05	2.24E-05	1.97E-05	6.35E-09	1.92E-08	1.11E-08	1.36E-08	1.23E-08	5.62E-09	4.93E-09	2.12E-10	5.12E-09	1.13E-09	1.85E-09	2.93E-09	5.16E-10	3.25E-10	1.21E-08
6084	475230.47	3849060.57	1.81E-05	2.21E-05	1.94E-05	6.27E-09	1.89E-08	1.10E-08	1.34E-08	1.22E-08	5.55E-09	4.87E-09	2.09E-10	5.05E-09	1.12E-09	1.82E-09	2.89E-09	5.09E-10	3.21E-10	1.19E-08
6085	475110.86	3848960.97	1.76E-05	2.16E-05	1.89E-05	6.10E-09	1.84E-08	1.07E-08	1.31E-08	1.18E-08	5.40E-09	4.74E-09	2.04E-10	4.92E-09	1.09E-09	1.77E-09	2.81E-09	4.96E-10	3.13E-10	1.16E-08
6086	475037.79	3848896.28	1.72E-05	2.11E-05	1.85E-05	5.97E-09	1.80E-08	1.04E-08	1.28E-08	1.16E-08	5.29E-09	4.64E-09	2.00E-10	4.82E-09	1.06E-09	1.74E-09	2.76E-09	4.86E-10	3.06E-10	1.14E-08
6087	474964.72	3848831.59	1.69E-05	2.07E-05	1.81E-05	5.85E-09	1.77E-08	1.02E-08	1.25E-08	1.13E-08	5.18E-09	4.54E-09	1.95E-10	4.72E-09	1.04E-09	1.70E-09	2.70E-09	4.75E-10	2.99E-10	1.11E-08
6088	474891.65	3848766.9	1.66E-05	2.03E-05	1.78E-05	5.76E-09	1.74E-08	1.01E-08	1.23E-08	1.12E-08	5.10E-09	4.47E-09	1.92E-10	4.64E-09	1.02E-09	1.67E-09	2.65E-09	4.68E-10	2.95E-10	1.10E-08
6089	474818.58	3848702.22	1.64E-05	2.01E-05	1.76E-05	5.69E-09	1.72E-08	9.94E-09	1.22E-08	1.10E-08	5.04E-09	4.42E-09	1.90E-10	4.59E-09	1.01E-09	1.65E-09	2.62E-09	4.62E-10	2.91E-10	1.08E-08
6090	474745.51	3848637.53	1.64E-05	2.01E-05	1.76E-05	5.69E-09	1.72E-08	9.95E-09	1.22E-08	1.11E-08	5.04E-09	4.42E-09	1.90E-10	4.59E-09	1.01E-09	1.66E-09	2.63E-09	4.63E-10	2.92E-10	1.08E-08
6091	474672.44	3848572.84	1.63E-05	2.00E-05	1.75E-05	5.65E-09	1.70E-08	9.87E-09	1.21E-08	1.10E-08	5.00E-09	4.38E-09	1.89E-10	4.55E-09	1.00E-09	1.64E-09	2.60E-09	4.59E-10	2.89E-10	1.07E-08
6092	474599.37	3848508.15	1.60E-05	1.96E-05	1.72E-05	5.54E-09	1.67E-08	9.68E-09	1.19E-08	1.07E-08	4.90E-09	4.30E-09	1.85E-10	4.47E-09	9.86E-10	1.61E-09	2.55E-09	4.50E-10	2.84E-10	1.05E-08
6093	474526.3	3848443.46	1.58E-05	1.93E-05	1.69E-05	5.46E-09	1.65E-08	9.55E-09	1.17E-08	1.06E-08	4.84E-09	4.24E-09	1.82E-10	4.41E-09	9.72E-10	1.59E-09	2.52E-09	4.44E-10	2.80E-10	1.04E-08

IMF - Student Risk

		2028 RD			2033 RD			2048 RD		
Rec#	X, Y	Concentrat	Dose	Risk	Concentrat	Dose	Risk	Concentrat	Dose	Risk
1	485973.61, 3854936.51	1.14E-03	3.61E-07	1.53E-07	1.40E-03	4.43E-07	1.88E-07	1.23E-03	3.87E-07	1.64E-07
2	486023.61, 3854936.51	1.10E-03	3.46E-07	1.47E-07	1.34E-03	4.24E-07	1.80E-07	1.17E-03	3.70E-07	1.57E-07
3	486073.61, 3854936.51	1.06E-03	3.34E-07	1.42E-07	1.30E-03	4.09E-07	1.74E-07	1.13E-03	3.58E-07	1.52E-07
4	486123.61, 3854936.51	1.00E-03	3.16E-07	1.34E-07	1.23E-03	3.87E-07	1.64E-07	1.07E-03	3.39E-07	1.44E-07
5	486173.61, 3854936.51	9.82E-04	3.10E-07	1.31E-07	1.20E-03	3.80E-07	1.61E-07	1.05E-03	3.32E-07	1.41E-07
6	486223.61, 3854936.51	9.43E-04	2.98E-07	1.26E-07	1.16E-03	3.65E-07	1.55E-07	1.01E-03	3.19E-07	1.35E-07
7	486273.61, 3854936.51	9.13E-04	2.88E-07	1.22E-07	1.12E-03	3.53E-07	1.50E-07	9.78E-04	3.09E-07	1.31E-07
8	486323.61, 3854936.51	8.86E-04	2.80E-07	1.19E-07	1.09E-03	3.43E-07	1.45E-07	9.49E-04	3.00E-07	1.27E-07
9	485973.61, 3854986.51	1.24E-03	3.90E-07	1.66E-07	1.51E-03	4.78E-07	2.03E-07	1.32E-03	4.18E-07	1.77E-07
10	486023.61, 3854986.51	1.19E-03	3.75E-07	1.59E-07	1.45E-03	4.59E-07	1.95E-07	1.27E-03	4.01E-07	1.70E-07
11	486073.61, 3854986.51	1.14E-03	3.58E-07	1.52E-07	1.39E-03	4.39E-07	1.86E-07	1.22E-03	3.84E-07	1.63E-07
12	486123.61, 3854986.51	1.09E-03	3.43E-07	1.46E-07	1.33E-03	4.21E-07	1.79E-07	1.17E-03	3.68E-07	1.56E-07
13	486173.61, 3854986.51	1.06E-03	3.33E-07	1.41E-07	1.29E-03	4.08E-07	1.73E-07	1.13E-03	3.57E-07	1.51E-07
14	486223.61, 3854986.51	1.01E-03	3.19E-07	1.36E-07	1.24E-03	3.91E-07	1.66E-07	1.08E-03	3.42E-07	1.45E-07
15	486273.61, 3854986.51	9.68E-04	3.06E-07	1.30E-07	1.19E-03	3.74E-07	1.59E-07	1.04E-03	3.27E-07	1.39E-07
16	486323.61, 3854986.51	9.53E-04	3.01E-07	1.28E-07	1.17E-03	3.69E-07	1.56E-07	1.02E-03	3.22E-07	1.37E-07
17	485973.61, 3855036.51	1.33E-03	4.21E-07	1.79E-07	1.64E-03	5.16E-07	2.19E-07	1.43E-03	4.51E-07	1.92E-07
18	486023.61, 3855036.51	1.28E-03	4.03E-07	1.71E-07	1.56E-03	4.94E-07	2.09E-07	1.37E-03	4.32E-07	1.83E-07
19	486073.61, 3855036.51	1.21E-03	3.83E-07	1.63E-07	1.49E-03	4.69E-07	1.99E-07	1.30E-03	4.11E-07	1.74E-07
20	486123.61, 3855036.51	1.16E-03	3.67E-07	1.56E-07	1.43E-03	4.50E-07	1.91E-07	1.25E-03	3.94E-07	1.67E-07
21	486173.61, 3855036.51	1.13E-03	3.56E-07	1.51E-07	1.38E-03	4.36E-07	1.85E-07	1.21E-03	3.82E-07	1.62E-07
22	486223.61, 3855036.51	1.08E-03	3.40E-07	1.44E-07	1.32E-03	4.16E-07	1.76E-07	1.15E-03	3.64E-07	1.54E-07
23	486273.61, 3855036.51	1.05E-03	3.31E-07	1.40E-07	1.28E-03	4.05E-07	1.72E-07	1.12E-03	3.55E-07	1.51E-07
24	486323.61, 3855036.51	1.01E-03	3.19E-07	1.35E-07	1.24E-03	3.90E-07	1.66E-07	1.08E-03	3.42E-07	1.45E-07
25	485973.61, 3855086.51	1.43E-03	4.52E-07	1.92E-07	1.75E-03	5.53E-07	2.35E-07	1.53E-03	4.84E-07	2.05E-07
26	486023.61, 3855086.51	1.37E-03	4.34E-07	1.84E-07	1.68E-03	5.31E-07	2.25E-07	1.47E-03	4.65E-07	1.97E-07
27	486073.61, 3855086.51	1.30E-03	4.11E-07	1.75E-07	1.60E-03	5.04E-07	2.14E-07	1.40E-03	4.41E-07	1.87E-07
28	486123.61, 3855086.51	1.26E-03	3.96E-07	1.68E-07	1.54E-03	4.85E-07	2.06E-07	1.35E-03	4.25E-07	1.80E-07
29	486173.61, 3855086.51	1.20E-03	3.78E-07	1.60E-07	1.47E-03	4.63E-07	1.96E-07	1.28E-03	4.05E-07	1.72E-07
30	486223.61, 3855086.51	1.15E-03	3.64E-07	1.55E-07	1.41E-03	4.46E-07	1.89E-07	1.24E-03	3.91E-07	1.66E-07
31	485973.61, 3855136.51	1.54E-03	4.86E-07	2.06E-07	1.89E-03	5.95E-07	2.53E-07	1.65E-03	5.21E-07	2.21E-07
32	486023.61, 3855136.51	1.47E-03	4.64E-07	1.97E-07	1.80E-03	5.68E-07	2.41E-07	1.58E-03	4.97E-07	2.11E-07
33	486073.61, 3855136.51	1.40E-03	4.42E-07	1.88E-07	1.72E-03	5.42E-07	2.30E-07	1.50E-03	4.74E-07	2.01E-07
34	486123.61, 3855136.51	1.34E-03	4.23E-07	1.80E-07	1.64E-03	5.19E-07	2.20E-07	1.44E-03	4.54E-07	1.93E-07
35	486173.61, 3855136.51	1.28E-03	4.05E-07	1.72E-07	1.57E-03	4.96E-07	2.10E-07	1.38E-03	4.34E-07	1.84E-07
36	486223.61, 3855136.51	1.23E-03	3.88E-07	1.65E-07	1.51E-03	4.76E-07	2.02E-07	1.32E-03	4.17E-07	1.77E-07
37	485973.61, 3855186.51	1.65E-03	5.21E-07	2.21E-07	2.02E-03	6.38E-07	2.71E-07	1.77E-03	5.59E-07	2.37E-07
38	486023.61, 3855186.51	1.58E-03	4.98E-07	2.11E-07	1.93E-03	6.10E-07	2.59E-07	1.69E-03	5.34E-07	2.27E-07
39	486073.61, 3855186.51	1.50E-03	4.72E-07	2.00E-07	1.83E-03	5.78E-07	2.45E-07	1.61E-03	5.07E-07	2.15E-07
40	486123.61, 3855186.51	1.42E-03	4.48E-07	1.90E-07	1.74E-03	5.49E-07	2.33E-07	1.53E-03	4.81E-07	2.04E-07
41	486173.61, 3855186.51	1.36E-03	4.29E-07	1.82E-07	1.67E-03	5.26E-07	2.23E-07	1.46E-03	4.61E-07	1.96E-07
42	486223.61, 3855186.51	1.30E-03	4.12E-07	1.75E-07	1.60E-03	5.04E-07	2.14E-07	1.40E-03	4.42E-07	1.87E-07
43	486273.61, 3855186.51	1.25E-03	3.94E-07	1.67E-07	1.53E-03	4.83E-07	2.05E-07	1.34E-03	4.23E-07	1.79E-07
44	486323.61, 3855186.51	1.23E-03	3.88E-07	1.65E-07	1.51E-03	4.75E-07	2.02E-07	1.32E-03	4.16E-07	1.77E-07
45	485973.61, 3855236.51	1.76E-03	5.57E-07	2.36E-07	2.16E-03	6.82E-07	2.89E-07	1.89E-03	5.98E-07	2.54E-07
46	486023.61, 3855236.51	1.67E-03	5.28E-07	2.24E-07	2.05E-03	6.46E-07	2.74E-07	1.79E-03	5.67E-07	2.40E-07
47	486073.61, 3855236.51	1.58E-03	5.00E-07	2.12E-07	1.94E-03	6.12E-07	2.60E-07	1.70E-03	5.36E-07	2.28E-07
48	486123.61, 3855236.51	1.51E-03	4.77E-07	2.02E-07	1.85E-03	5.84E-07	2.48E-07	1.62E-03	5.12E-07	2.17E-07
49	486173.61, 3855236.51	1.44E-03	4.56E-07	1.93E-07	1.77E-03	5.59E-07	2.37E-07	1.55E-03	4.90E-07	2.08E-07
50	486223.61, 3855236.51	1.38E-03	4.36E-07	1.85E-07	1.69E-03	5.34E-07	2.26E-07	1.48E-03	4.68E-07	1.98E-07
51	486273.61, 3855236.51	1.30E-03	4.12E-07	1.75E-07	1.60E-03	5.05E-07	2.14E-07	1.40E-03	4.42E-07	1.88E-07
52	486323.61, 3855236.51	1.30E-03	4.10E-07	1.74E-07	1.59E-03	5.02E-07	2.13E-07	1.39E-03	4.40E-07	1.87E-07
53	485973.61, 3855286.51	1.88E-03	5.93E-07	2.51E-07	2.30E-03	7.26E-07	3.08E-07	2.02E-03	6.37E-07	2.70E-07
54	486023.61, 3855286.51	1.77E-03	5.60E-07	2.38E-07	2.17E-03	6.86E-07	2.91E-07	1.91E-03	6.02E-07	2.55E-07
55	486073.61, 3855286.51	1.68E-03	5.32E-07	2.26E-07	2.06E-03	6.51E-07	2.76E-07	1.81E-03	5.71E-07	2.42E-07
56	486123.61, 3855286.51	1.60E-03	5.04E-07	2.14E-07	1.96E-03	6.18E-07	2.62E-07	1.72E-03	5.42E-07	2.30E-07
57	486173.61, 3855286.51	1.52E-03	4.80E-07	2.04E-07	1.86E-03	5.88E-07	2.49E-07	1.63E-03	5.16E-07	2.19E-07
58	486223.61, 3855286.51	1.46E-03	4.60E-07	1.95E-07	1.79E-03	5.64E-07	2.39E-07	1.57E-03	4.94E-07	2.10E-07
59	486123.61, 3855336.51	1.69E-03	5.32E-07	2.26E-07	2.07E-03	6.52E-07	2.77E-07	1.81E-03	5.72E-07	2.43E-07
60	486173.61, 3855336.51	1.61E-03	5.08E-07	2.16E-07	1.97E-03	6.23E-07	2.64E-07	1.73E-03	5.46E-07	2.32E-07

61	486223.61, 3855336.51	1.54E-03	4.85E-07	2.06E-07	1.88E-03	5.94E-07	2.52E-07	1.65E-03	5.22E-07	2.21E-07
62	486123.61, 3855386.51	1.78E-03	5.63E-07	2.39E-07	2.19E-03	6.90E-07	2.93E-07	1.92E-03	6.05E-07	2.57E-07
63	486173.61, 3855386.51	1.70E-03	5.37E-07	2.28E-07	2.08E-03	6.58E-07	2.79E-07	1.83E-03	5.77E-07	2.45E-07
64	486223.61, 3855386.51	1.63E-03	5.13E-07	2.18E-07	1.99E-03	6.29E-07	2.67E-07	1.75E-03	5.52E-07	2.34E-07
65	486533.18, 3855443.15	1.37E-03	4.31E-07	1.83E-07	1.67E-03	5.28E-07	2.24E-07	1.47E-03	4.64E-07	1.97E-07
66	486583.18, 3855443.15	1.32E-03	4.15E-07	1.76E-07	1.61E-03	5.09E-07	2.16E-07	1.42E-03	4.47E-07	1.90E-07
67	486633.18, 3855443.15	1.27E-03	4.01E-07	1.70E-07	1.56E-03	4.91E-07	2.08E-07	1.37E-03	4.31E-07	1.83E-07
68	486683.18, 3855443.15	1.23E-03	3.90E-07	1.65E-07	1.51E-03	4.77E-07	2.02E-07	1.33E-03	4.19E-07	1.78E-07
69	486533.18, 3855493.15	1.43E-03	4.51E-07	1.91E-07	1.75E-03	5.53E-07	2.34E-07	1.54E-03	4.85E-07	2.06E-07
70	486583.18, 3855493.15	1.38E-03	4.36E-07	1.85E-07	1.69E-03	5.33E-07	2.26E-07	1.48E-03	4.69E-07	1.99E-07
71	486633.18, 3855493.15	1.33E-03	4.20E-07	1.78E-07	1.63E-03	5.15E-07	2.18E-07	1.43E-03	4.52E-07	1.92E-07
72	486683.18, 3855493.15	1.29E-03	4.06E-07	1.72E-07	1.58E-03	4.97E-07	2.11E-07	1.38E-03	4.37E-07	1.85E-07
73	486533.18, 3855543.15	1.50E-03	4.74E-07	2.01E-07	1.84E-03	5.81E-07	2.46E-07	1.62E-03	5.10E-07	2.16E-07
74	486583.18, 3855543.15	1.44E-03	4.54E-07	1.92E-07	1.76E-03	5.56E-07	2.36E-07	1.55E-03	4.88E-07	2.07E-07
75	486633.18, 3855543.15	1.39E-03	4.38E-07	1.86E-07	1.70E-03	5.37E-07	2.28E-07	1.49E-03	4.72E-07	2.00E-07
76	486683.18, 3855543.15	1.33E-03	4.20E-07	1.78E-07	1.63E-03	5.14E-07	2.18E-07	1.43E-03	4.52E-07	1.92E-07
77	486533.18, 3855593.15	1.57E-03	4.96E-07	2.10E-07	1.92E-03	6.07E-07	2.58E-07	1.69E-03	5.34E-07	2.26E-07
78	486583.18, 3855593.15	1.51E-03	4.75E-07	2.02E-07	1.84E-03	5.82E-07	2.47E-07	1.62E-03	5.12E-07	2.17E-07
79	486633.18, 3855593.15	1.45E-03	4.57E-07	1.94E-07	1.78E-03	5.60E-07	2.38E-07	1.56E-03	4.92E-07	2.09E-07
80	486683.18, 3855593.15	1.40E-03	4.42E-07	1.88E-07	1.72E-03	5.42E-07	2.30E-07	1.51E-03	4.76E-07	2.02E-07
81	486533.18, 3855643.15	1.65E-03	5.20E-07	2.20E-07	2.02E-03	6.36E-07	2.70E-07	1.77E-03	5.60E-07	2.37E-07
82	486583.18, 3855643.15	1.58E-03	4.99E-07	2.12E-07	1.94E-03	6.11E-07	2.59E-07	1.70E-03	5.37E-07	2.28E-07
83	486633.18, 3855643.15	1.52E-03	4.79E-07	2.03E-07	1.86E-03	5.87E-07	2.49E-07	1.63E-03	5.16E-07	2.19E-07
84	486683.18, 3855643.15	1.46E-03	4.62E-07	1.96E-07	1.79E-03	5.66E-07	2.40E-07	1.58E-03	4.97E-07	2.11E-07
85	486533.18, 3855693.15	1.74E-03	5.48E-07	2.33E-07	2.13E-03	6.71E-07	2.85E-07	1.87E-03	5.90E-07	2.50E-07
86	486583.18, 3855693.15	1.65E-03	5.21E-07	2.21E-07	2.02E-03	6.39E-07	2.71E-07	1.78E-03	5.62E-07	2.38E-07
87	486633.18, 3855693.15	1.57E-03	4.96E-07	2.11E-07	1.93E-03	6.08E-07	2.58E-07	1.69E-03	5.35E-07	2.27E-07
88	486683.18, 3855693.15	1.53E-03	4.82E-07	2.05E-07	1.87E-03	5.91E-07	2.51E-07	1.65E-03	5.19E-07	2.20E-07
89	486733.18, 3855693.15	1.50E-03	4.73E-07	2.01E-07	1.83E-03	5.79E-07	2.46E-07	1.61E-03	5.09E-07	2.16E-07
90	486783.18, 3855693.15	1.48E-03	4.66E-07	1.98E-07	1.81E-03	5.70E-07	2.42E-07	1.59E-03	5.01E-07	2.13E-07
91	486533.18, 3855743.15	1.82E-03	5.76E-07	2.44E-07	2.23E-03	7.05E-07	2.99E-07	1.96E-03	6.20E-07	2.63E-07
92	486583.18, 3855743.15	1.72E-03	5.43E-07	2.31E-07	2.11E-03	6.66E-07	2.82E-07	1.86E-03	5.86E-07	2.48E-07
93	486633.18, 3855743.15	1.65E-03	5.20E-07	2.21E-07	2.02E-03	6.37E-07	2.70E-07	1.78E-03	5.60E-07	2.38E-07
94	486683.18, 3855743.15	1.61E-03	5.08E-07	2.15E-07	1.97E-03	6.22E-07	2.64E-07	1.73E-03	5.47E-07	2.32E-07
95	486733.18, 3855743.15	1.56E-03	4.93E-07	2.09E-07	1.91E-03	6.04E-07	2.56E-07	1.68E-03	5.31E-07	2.25E-07
96	486783.18, 3855743.15	1.54E-03	4.87E-07	2.07E-07	1.89E-03	5.97E-07	2.53E-07	1.66E-03	5.25E-07	2.23E-07
97	486533.18, 3855793.15	1.92E-03	6.06E-07	2.57E-07	2.35E-03	7.42E-07	3.15E-07	2.07E-03	6.53E-07	2.77E-07
98	486583.18, 3855793.15	1.79E-03	5.65E-07	2.40E-07	2.19E-03	6.92E-07	2.94E-07	1.93E-03	6.09E-07	2.58E-07
99	486633.18, 3855793.15	1.74E-03	5.50E-07	2.33E-07	2.13E-03	6.73E-07	2.86E-07	1.88E-03	5.93E-07	2.51E-07
100	486683.18, 3855793.15	1.70E-03	5.36E-07	2.28E-07	2.08E-03	6.57E-07	2.79E-07	1.83E-03	5.78E-07	2.45E-07
101	486733.18, 3855793.15	1.65E-03	5.22E-07	2.21E-07	2.02E-03	6.39E-07	2.71E-07	1.78E-03	5.62E-07	2.38E-07
102	486783.18, 3855793.15	1.61E-03	5.09E-07	2.16E-07	1.98E-03	6.24E-07	2.65E-07	1.74E-03	5.49E-07	2.33E-07
103	486533.18, 3855843.15	2.01E-03	6.33E-07	2.69E-07	2.46E-03	7.75E-07	3.29E-07	2.16E-03	6.82E-07	2.90E-07
104	486583.18, 3855843.15	1.89E-03	5.96E-07	2.53E-07	2.31E-03	7.30E-07	3.10E-07	2.04E-03	6.42E-07	2.73E-07
105	486633.18, 3855843.15	1.84E-03	5.80E-07	2.46E-07	2.25E-03	7.10E-07	3.01E-07	1.98E-03	6.25E-07	2.65E-07
106	486683.18, 3855843.15	1.79E-03	5.65E-07	2.40E-07	2.19E-03	6.92E-07	2.93E-07	1.93E-03	6.09E-07	2.58E-07
107	486733.18, 3855843.15	1.74E-03	5.50E-07	2.34E-07	2.14E-03	6.74E-07	2.86E-07	1.88E-03	5.93E-07	2.52E-07
108	486783.18, 3855843.15	1.70E-03	5.36E-07	2.27E-07	2.08E-03	6.56E-07	2.78E-07	1.83E-03	5.77E-07	2.45E-07
109	486533.18, 3855893.15	2.07E-03	6.54E-07	2.77E-07	2.54E-03	8.01E-07	3.40E-07	2.23E-03	7.05E-07	2.99E-07
110	486583.18, 3855893.15	2.00E-03	6.32E-07	2.68E-07	2.45E-03	7.75E-07	3.29E-07	2.16E-03	6.82E-07	2.89E-07
111	486633.18, 3855893.15	1.94E-03	6.12E-07	2.60E-07	2.38E-03	7.50E-07	3.18E-07	2.09E-03	6.60E-07	2.80E-07
112	486683.18, 3855893.15	1.89E-03	5.95E-07	2.53E-07	2.31E-03	7.29E-07	3.09E-07	2.03E-03	6.42E-07	2.72E-07
113	486733.18, 3855893.15	1.84E-03	5.79E-07	2.46E-07	2.25E-03	7.09E-07	3.01E-07	1.98E-03	6.24E-07	2.65E-07
114	486783.18, 3855893.15	1.79E-03	5.66E-07	2.40E-07	2.20E-03	6.93E-07	2.94E-07	1.93E-03	6.10E-07	2.59E-07
115	486533.18, 3855943.15	2.19E-03	6.90E-07	2.93E-07	2.68E-03	8.45E-07	3.58E-07	2.36E-03	7.44E-07	3.16E-07
116	486583.18, 3855943.15	2.13E-03	6.73E-07	2.85E-07	2.61E-03	8.24E-07	3.50E-07	2.30E-03	7.26E-07	3.08E-07
117	486633.18, 3855943.15	2.05E-03	6.48E-07	2.75E-07	2.51E-03	7.93E-07	3.37E-07	2.21E-03	6.98E-07	2.96E-07
118	486683.18, 3855943.15	2.00E-03	6.31E-07	2.68E-07	2.45E-03	7.73E-07	3.28E-07	2.16E-03	6.80E-07	2.89E-07
119	486733.18, 3855943.15	1.94E-03	6.11E-07	2.59E-07	2.37E-03	7.48E-07	3.18E-07	2.09E-03	6.59E-07	2.80E-07
120	486783.18, 3855943.15	1.89E-03	5.97E-07	2.53E-07	2.32E-03	7.31E-07	3.10E-07	2.04E-03	6.43E-07	2.73E-07
121	486533.18, 3855993.15	2.33E-03	7.37E-07	3.13E-07	2.86E-03	9.02E-07	3.83E-07	2.52E-03	7.94E-07	3.37E-07
122	486583.18, 3855993.15	2.26E-03	7.12E-07	3.02E-07	2.76E-03	8.72E-07	3.70E-07	2.43E-03	7.68E-07	3.26E-07
123	486633.18, 3855993.15	2.18E-03	6.88E-07	2.92E-07	2.67E-03	8.42E-07	3.57E-07	2.35E-03	7.42E-07	3.15E-07
124	486683.18, 3855993.15	2.12E-03	6.68E-07	2.84E-07	2.59E-03	8.18E-07	3.47E-07	2.28E-03	7.21E-07	3.06E-07

125	486733.18, 3855993.15	2.05E-03	6.47E-07	2.75E-07	2.51E-03	7.93E-07	3.36E-07	2.21E-03	6.98E-07	2.96E-07
126	486783.18, 3855993.15	1.99E-03	6.29E-07	2.67E-07	2.44E-03	7.70E-07	3.27E-07	2.15E-03	6.78E-07	2.88E-07
127	486533.18, 3856043.15	2.49E-03	7.87E-07	3.34E-07	3.05E-03	9.64E-07	4.09E-07	2.69E-03	8.49E-07	3.60E-07
128	486583.18, 3856043.15	2.41E-03	7.61E-07	3.23E-07	2.95E-03	9.32E-07	3.96E-07	2.60E-03	8.21E-07	3.48E-07
129	486633.18, 3856043.15	2.32E-03	7.32E-07	3.11E-07	2.84E-03	8.96E-07	3.80E-07	2.50E-03	7.89E-07	3.35E-07
130	486683.18, 3856043.15	2.25E-03	7.11E-07	3.02E-07	2.76E-03	8.70E-07	3.69E-07	2.43E-03	7.66E-07	3.25E-07
131	486733.18, 3856043.15	2.17E-03	6.86E-07	2.91E-07	2.66E-03	8.40E-07	3.56E-07	2.34E-03	7.39E-07	3.14E-07
132	486783.18, 3856043.15	2.12E-03	6.68E-07	2.83E-07	2.59E-03	8.18E-07	3.47E-07	2.28E-03	7.20E-07	3.06E-07
133	486533.18, 3856093.15	2.69E-03	8.50E-07	3.61E-07	3.30E-03	1.04E-06	4.42E-07	2.91E-03	9.17E-07	3.89E-07
134	486583.18, 3856093.15	2.59E-03	8.16E-07	3.46E-07	3.17E-03	1.00E-06	4.24E-07	2.79E-03	8.80E-07	3.73E-07
135	486633.18, 3856093.15	2.48E-03	7.84E-07	3.33E-07	3.04E-03	9.60E-07	4.07E-07	2.68E-03	8.45E-07	3.59E-07
136	486683.18, 3856093.15	2.40E-03	7.58E-07	3.21E-07	2.94E-03	9.28E-07	3.94E-07	2.59E-03	8.17E-07	3.47E-07
137	486733.18, 3856093.15	2.31E-03	7.31E-07	3.10E-07	2.84E-03	8.95E-07	3.80E-07	2.50E-03	7.88E-07	3.34E-07
138	486783.18, 3856093.15	2.24E-03	7.08E-07	3.00E-07	2.75E-03	8.67E-07	3.68E-07	2.42E-03	7.64E-07	3.24E-07
139	486533.18, 3856143.15	2.92E-03	9.22E-07	3.91E-07	3.58E-03	1.13E-06	4.79E-07	3.15E-03	9.94E-07	4.22E-07
140	486583.18, 3856143.15	2.78E-03	8.77E-07	3.72E-07	3.40E-03	1.07E-06	4.56E-07	3.00E-03	9.46E-07	4.02E-07
141	486633.18, 3856143.15	2.67E-03	8.43E-07	3.58E-07	3.27E-03	1.03E-06	4.38E-07	2.88E-03	9.10E-07	3.86E-07
142	486683.18, 3856143.15	2.57E-03	8.10E-07	3.44E-07	3.14E-03	9.93E-07	4.21E-07	2.77E-03	8.74E-07	3.71E-07
143	486733.18, 3856143.15	2.47E-03	7.80E-07	3.31E-07	3.03E-03	9.56E-07	4.05E-07	2.67E-03	8.41E-07	3.57E-07
144	486783.18, 3856143.15	2.40E-03	7.57E-07	3.21E-07	2.94E-03	9.27E-07	3.94E-07	2.59E-03	8.17E-07	3.47E-07
145	486533.18, 3856193.15	3.21E-03	1.01E-06	4.29E-07	3.93E-03	1.24E-06	5.26E-07	3.46E-03	1.09E-06	4.63E-07
146	486583.18, 3856193.15	3.02E-03	9.53E-07	4.05E-07	3.70E-03	1.17E-06	4.95E-07	3.26E-03	1.03E-06	4.36E-07
147	486633.18, 3856193.15	2.89E-03	9.11E-07	3.87E-07	3.54E-03	1.12E-06	4.74E-07	3.11E-03	9.83E-07	4.17E-07
148	486683.18, 3856193.15	2.78E-03	8.76E-07	3.72E-07	3.40E-03	1.07E-06	4.55E-07	2.99E-03	9.45E-07	4.01E-07
149	486733.18, 3856193.15	2.65E-03	8.38E-07	3.55E-07	3.25E-03	1.03E-06	4.35E-07	2.86E-03	9.04E-07	3.83E-07
150	486783.18, 3856193.15	2.56E-03	8.09E-07	3.43E-07	3.14E-03	9.91E-07	4.21E-07	2.77E-03	8.73E-07	3.70E-07
151	486533.18, 3856243.15	3.54E-03	1.12E-06	4.74E-07	4.33E-03	1.37E-06	5.80E-07	3.82E-03	1.20E-06	5.11E-07
152	486583.18, 3856243.15	3.33E-03	1.05E-06	4.45E-07	4.07E-03	1.29E-06	5.45E-07	3.59E-03	1.13E-06	4.80E-07
153	486633.18, 3856243.15	3.14E-03	9.93E-07	4.21E-07	3.85E-03	1.22E-06	5.16E-07	3.39E-03	1.07E-06	4.54E-07
154	486683.18, 3856243.15	2.99E-03	9.45E-07	4.01E-07	3.67E-03	1.16E-06	4.91E-07	3.23E-03	1.02E-06	4.32E-07
155	486733.18, 3856243.15	2.87E-03	9.04E-07	3.84E-07	3.51E-03	1.11E-06	4.70E-07	3.09E-03	9.76E-07	4.14E-07
156	486783.18, 3856243.15	2.74E-03	8.65E-07	3.67E-07	3.36E-03	1.06E-06	4.50E-07	2.96E-03	9.33E-07	3.96E-07
157	486533.18, 3856293.15	3.95E-03	1.25E-06	5.29E-07	4.84E-03	1.53E-06	6.48E-07	4.27E-03	1.35E-06	5.71E-07
158	486583.18, 3856293.15	3.67E-03	1.16E-06	4.92E-07	4.50E-03	1.42E-06	6.02E-07	3.96E-03	1.25E-06	5.31E-07
159	486633.18, 3856293.15	3.44E-03	1.09E-06	4.61E-07	4.22E-03	1.33E-06	5.65E-07	3.72E-03	1.17E-06	4.98E-07
160	486683.18, 3856293.15	3.25E-03	1.03E-06	4.36E-07	3.99E-03	1.26E-06	5.34E-07	3.51E-03	1.11E-06	4.70E-07
161	486733.18, 3856293.15	3.10E-03	9.77E-07	4.15E-07	3.79E-03	1.20E-06	5.08E-07	3.34E-03	1.05E-06	4.47E-07
162	486783.18, 3856293.15	2.95E-03	9.30E-07	3.94E-07	3.61E-03	1.14E-06	4.83E-07	3.18E-03	1.00E-06	4.26E-07
163	486783.18, 3856343.15	3.19E-03	1.01E-06	4.27E-07	3.90E-03	1.23E-06	5.23E-07	3.44E-03	1.08E-06	4.60E-07
164	486833.18, 3856343.15	3.03E-03	9.55E-07	4.05E-07	3.71E-03	1.17E-06	4.96E-07	3.26E-03	1.03E-06	4.37E-07
165	486883.18, 3856343.15	2.88E-03	9.10E-07	3.86E-07	3.53E-03	1.12E-06	4.73E-07	3.11E-03	9.82E-07	4.17E-07
166	486783.18, 3856393.15	3.44E-03	1.09E-06	4.61E-07	4.22E-03	1.33E-06	5.65E-07	3.72E-03	1.17E-06	4.98E-07
167	486833.18, 3856393.15	3.25E-03	1.03E-06	4.36E-07	3.98E-03	1.26E-06	5.34E-07	3.51E-03	1.11E-06	4.70E-07
168	486883.18, 3856393.15	3.08E-03	9.72E-07	4.12E-07	3.77E-03	1.19E-06	5.05E-07	3.32E-03	1.05E-06	4.45E-07
169	487208.74, 3856886.11	4.15E-03	1.31E-06	5.55E-07	5.08E-03	1.60E-06	6.80E-07	4.47E-03	1.41E-06	5.98E-07
170	487258.74, 3856886.11	3.79E-03	1.20E-06	5.08E-07	4.65E-03	1.47E-06	6.22E-07	4.09E-03	1.29E-06	5.47E-07
171	487308.74, 3856886.11	3.49E-03	1.10E-06	4.68E-07	4.28E-03	1.35E-06	5.73E-07	3.77E-03	1.19E-06	5.04E-07
172	487358.74, 3856886.11	3.25E-03	1.02E-06	4.35E-07	3.98E-03	1.25E-06	5.32E-07	3.50E-03	1.10E-06	4.68E-07
173	487208.74, 3856936.11	4.42E-03	1.39E-06	5.91E-07	5.41E-03	1.71E-06	7.24E-07	4.76E-03	1.50E-06	6.37E-07
174	487258.74, 3856936.11	3.97E-03	1.25E-06	5.31E-07	4.86E-03	1.53E-06	6.50E-07	4.27E-03	1.35E-06	5.72E-07
175	487308.74, 3856936.11	3.61E-03	1.14E-06	4.83E-07	4.42E-03	1.40E-06	5.92E-07	3.89E-03	1.23E-06	5.20E-07
176	487358.74, 3856936.11	3.33E-03	1.05E-06	4.46E-07	4.08E-03	1.29E-06	5.46E-07	3.58E-03	1.13E-06	4.80E-07
177	487208.74, 3856986.11	4.44E-03	1.40E-06	5.94E-07	5.44E-03	1.72E-06	7.28E-07	4.78E-03	1.51E-06	6.40E-07
178	487258.74, 3856986.11	3.97E-03	1.25E-06	5.32E-07	4.86E-03	1.54E-06	6.51E-07	4.27E-03	1.35E-06	5.72E-07
179	487308.74, 3856986.11	3.63E-03	1.15E-06	4.86E-07	4.45E-03	1.40E-06	5.95E-07	3.90E-03	1.23E-06	5.22E-07
180	487358.74, 3856986.11	3.35E-03	1.06E-06	4.49E-07	4.10E-03	1.29E-06	5.49E-07	3.60E-03	1.14E-06	4.82E-07
181	487208.74, 3857036.11	4.25E-03	1.34E-06	5.69E-07	5.20E-03	1.64E-06	6.97E-07	4.56E-03	1.44E-06	6.10E-07
182	487258.74, 3857036.11	3.89E-03	1.23E-06	5.22E-07	4.77E-03	1.51E-06	6.39E-07	4.17E-03	1.32E-06	5.59E-07
183	487308.74, 3857036.11	3.60E-03	1.14E-06	4.82E-07	4.40E-03	1.39E-06	5.90E-07	3.85E-03	1.22E-06	5.16E-07
184	487358.74, 3857036.11	3.35E-03	1.06E-06	4.49E-07	4.10E-03	1.30E-06	5.49E-07	3.59E-03	1.13E-06	4.80E-07
185	487427.14, 3856878.23	2.94E-03	9.29E-07	3.94E-07	3.61E-03	1.14E-06	4.83E-07	3.17E-03	1.00E-06	4.24E-07
186	487477.14, 3856878.23	2.77E-03	8.75E-07	3.71E-07	3.39E-03	1.07E-06	4.55E-07	2.98E-03	9.42E-07	3.99E-07
187	487527.14, 3856878.23	2.62E-03	8.28E-07	3.51E-07	3.21E-03	1.01E-06	4.30E-07	2.82E-03	8.90E-07	3.78E-07
188	487427.14, 3856928.23	3.01E-03	9.50E-07	4.03E-07	3.69E-03	1.16E-06	4.94E-07	3.24E-03	1.02E-06	4.34E-07

189	487477.14, 3856928.23	2.83E-03	8.94E-07	3.79E-07	3.47E-03	1.09E-06	4.64E-07	3.04E-03	9.61E-07	4.08E-07
190	487527.14, 3856928.23	2.67E-03	8.44E-07	3.58E-07	3.27E-03	1.03E-06	4.38E-07	2.87E-03	9.07E-07	3.85E-07
191	487577.14, 3856928.23	2.53E-03	8.00E-07	3.39E-07	3.10E-03	9.80E-07	4.16E-07	2.72E-03	8.59E-07	3.65E-07
192	487627.14, 3856928.23	2.42E-03	7.62E-07	3.23E-07	2.96E-03	9.34E-07	3.96E-07	2.59E-03	8.18E-07	3.47E-07
193	487677.14, 3856928.23	2.31E-03	7.28E-07	3.09E-07	2.82E-03	8.91E-07	3.78E-07	2.47E-03	7.81E-07	3.31E-07
194	487727.14, 3856928.23	2.21E-03	6.96E-07	2.95E-07	2.70E-03	8.52E-07	3.62E-07	2.37E-03	7.47E-07	3.17E-07
195	487777.14, 3856928.23	2.12E-03	6.68E-07	2.83E-07	2.59E-03	8.18E-07	3.47E-07	2.27E-03	7.16E-07	3.04E-07
196	487427.14, 3856978.23	3.05E-03	9.62E-07	4.08E-07	3.73E-03	1.18E-06	5.00E-07	3.27E-03	1.03E-06	4.38E-07
197	487477.14, 3856978.23	2.87E-03	9.04E-07	3.84E-07	3.51E-03	1.11E-06	4.70E-07	3.07E-03	9.70E-07	4.12E-07
198	487527.14, 3856978.23	2.71E-03	8.55E-07	3.63E-07	3.32E-03	1.05E-06	4.44E-07	2.90E-03	9.16E-07	3.89E-07
199	487577.14, 3856978.23	2.57E-03	8.11E-07	3.44E-07	3.15E-03	9.94E-07	4.22E-07	2.76E-03	8.70E-07	3.69E-07
200	487627.14, 3856978.23	2.45E-03	7.74E-07	3.28E-07	3.00E-03	9.47E-07	4.02E-07	2.63E-03	8.29E-07	3.52E-07
201	487677.14, 3856978.23	2.34E-03	7.38E-07	3.13E-07	2.86E-03	9.04E-07	3.84E-07	2.51E-03	7.91E-07	3.36E-07
202	487727.14, 3856978.23	2.25E-03	7.09E-07	3.01E-07	2.75E-03	8.68E-07	3.68E-07	2.40E-03	7.59E-07	3.22E-07
203	487777.14, 3856978.23	2.15E-03	6.77E-07	2.87E-07	2.63E-03	8.30E-07	3.52E-07	2.30E-03	7.25E-07	3.08E-07
204	487427.14, 3857028.23	3.07E-03	9.68E-07	4.11E-07	3.76E-03	1.19E-06	5.03E-07	3.28E-03	1.04E-06	4.40E-07
205	487477.14, 3857028.23	2.89E-03	9.13E-07	3.88E-07	3.54E-03	1.12E-06	4.75E-07	3.10E-03	9.77E-07	4.15E-07
206	487527.14, 3857028.23	2.74E-03	8.66E-07	3.67E-07	3.36E-03	1.06E-06	4.50E-07	2.93E-03	9.26E-07	3.93E-07
207	487577.14, 3857028.23	2.61E-03	8.23E-07	3.49E-07	3.19E-03	1.01E-06	4.28E-07	2.79E-03	8.80E-07	3.73E-07
208	487627.14, 3857028.23	2.49E-03	7.86E-07	3.33E-07	3.05E-03	9.62E-07	4.08E-07	2.66E-03	8.40E-07	3.56E-07
209	487677.14, 3857028.23	2.38E-03	7.50E-07	3.18E-07	2.91E-03	9.19E-07	3.90E-07	2.54E-03	8.02E-07	3.40E-07
210	487727.14, 3857028.23	2.27E-03	7.18E-07	3.05E-07	2.78E-03	8.79E-07	3.73E-07	2.43E-03	7.67E-07	3.25E-07
211	487777.14, 3857028.23	2.18E-03	6.89E-07	2.92E-07	2.67E-03	8.43E-07	3.58E-07	2.33E-03	7.36E-07	3.12E-07
212	487427.14, 3857078.23	3.12E-03	9.84E-07	4.18E-07	3.82E-03	1.21E-06	5.11E-07	3.32E-03	1.05E-06	4.45E-07
213	487477.14, 3857078.23	2.95E-03	9.31E-07	3.95E-07	3.61E-03	1.14E-06	4.84E-07	3.14E-03	9.92E-07	4.21E-07
214	487527.14, 3857078.23	2.80E-03	8.83E-07	3.74E-07	3.42E-03	1.08E-06	4.59E-07	2.98E-03	9.41E-07	3.99E-07
215	487577.14, 3857078.23	2.66E-03	8.40E-07	3.56E-07	3.26E-03	1.03E-06	4.36E-07	2.83E-03	8.95E-07	3.80E-07
216	487627.14, 3857078.23	2.54E-03	8.01E-07	3.40E-07	3.11E-03	9.81E-07	4.16E-07	2.71E-03	8.54E-07	3.62E-07
217	487677.14, 3857078.23	2.43E-03	7.65E-07	3.25E-07	2.97E-03	9.37E-07	3.98E-07	2.58E-03	8.16E-07	3.46E-07
218	487727.14, 3857078.23	2.32E-03	7.32E-07	3.11E-07	2.84E-03	8.97E-07	3.81E-07	2.47E-03	7.80E-07	3.31E-07
219	487777.14, 3857078.23	2.23E-03	7.03E-07	2.98E-07	2.73E-03	8.61E-07	3.65E-07	2.37E-03	7.49E-07	3.18E-07
220	487427.14, 3857128.23	3.23E-03	1.02E-06	4.33E-07	3.96E-03	1.25E-06	5.30E-07	3.43E-03	1.08E-06	4.59E-07
221	487477.14, 3857128.23	3.05E-03	9.63E-07	4.09E-07	3.74E-03	1.18E-06	5.00E-07	3.24E-03	1.02E-06	4.34E-07
222	487527.14, 3857128.23	2.89E-03	9.12E-07	3.87E-07	3.54E-03	1.12E-06	4.74E-07	3.07E-03	9.68E-07	4.11E-07
223	487577.14, 3857128.23	2.74E-03	8.66E-07	3.67E-07	3.36E-03	1.06E-06	4.50E-07	2.91E-03	9.19E-07	3.90E-07
224	487627.14, 3857128.23	2.61E-03	8.24E-07	3.49E-07	3.20E-03	1.01E-06	4.28E-07	2.77E-03	8.75E-07	3.71E-07
225	487677.14, 3857128.23	2.49E-03	7.87E-07	3.34E-07	3.05E-03	9.63E-07	4.09E-07	2.65E-03	8.36E-07	3.55E-07
226	487727.14, 3857128.23	2.38E-03	7.51E-07	3.19E-07	2.91E-03	9.19E-07	3.90E-07	2.53E-03	7.98E-07	3.39E-07
227	487777.14, 3857128.23	2.28E-03	7.20E-07	3.05E-07	2.79E-03	8.81E-07	3.74E-07	2.42E-03	7.65E-07	3.25E-07
228	488049.44, 3856539.39	1.51E-03	4.77E-07	2.02E-07	1.85E-03	5.84E-07	2.48E-07	1.63E-03	5.14E-07	2.18E-07
229	488099.44, 3856539.39	1.47E-03	4.65E-07	1.97E-07	1.80E-03	5.69E-07	2.42E-07	1.59E-03	5.01E-07	2.12E-07
230	488149.44, 3856539.39	1.44E-03	4.53E-07	1.92E-07	1.76E-03	5.55E-07	2.35E-07	1.55E-03	4.88E-07	2.07E-07
231	488049.44, 3856589.39	1.55E-03	4.88E-07	2.07E-07	1.89E-03	5.97E-07	2.53E-07	1.66E-03	5.25E-07	2.23E-07
232	488099.44, 3856589.39	1.50E-03	4.75E-07	2.01E-07	1.84E-03	5.82E-07	2.47E-07	1.62E-03	5.11E-07	2.17E-07
233	488149.44, 3856589.39	1.47E-03	4.63E-07	1.96E-07	1.79E-03	5.66E-07	2.40E-07	1.58E-03	4.98E-07	2.11E-07
234	488199.44, 3856589.39	1.43E-03	4.51E-07	1.91E-07	1.75E-03	5.52E-07	2.34E-07	1.54E-03	4.85E-07	2.06E-07
235	488249.44, 3856589.39	1.39E-03	4.39E-07	1.86E-07	1.70E-03	5.38E-07	2.28E-07	1.50E-03	4.73E-07	2.01E-07
236	488049.44, 3856639.39	1.58E-03	4.98E-07	2.11E-07	1.93E-03	6.10E-07	2.59E-07	1.70E-03	5.36E-07	2.27E-07
237	488099.44, 3856639.39	1.54E-03	4.85E-07	2.06E-07	1.88E-03	5.93E-07	2.52E-07	1.65E-03	5.21E-07	2.21E-07
238	488149.44, 3856639.39	1.49E-03	4.72E-07	2.00E-07	1.83E-03	5.78E-07	2.45E-07	1.61E-03	5.07E-07	2.15E-07
239	488199.44, 3856639.39	1.45E-03	4.59E-07	1.95E-07	1.78E-03	5.62E-07	2.39E-07	1.56E-03	4.94E-07	2.10E-07
240	488249.44, 3856639.39	1.42E-03	4.47E-07	1.90E-07	1.74E-03	5.48E-07	2.32E-07	1.52E-03	4.81E-07	2.04E-07
241	488299.44, 3856639.39	1.38E-03	4.36E-07	1.85E-07	1.69E-03	5.34E-07	2.27E-07	1.49E-03	4.69E-07	1.99E-07
242	488349.44, 3856639.39	1.35E-03	4.26E-07	1.81E-07	1.65E-03	5.21E-07	2.21E-07	1.45E-03	4.57E-07	1.94E-07
243	488399.44, 3856639.39	1.32E-03	4.15E-07	1.76E-07	1.61E-03	5.08E-07	2.16E-07	1.41E-03	4.46E-07	1.89E-07
244	488099.44, 3856689.39	1.56E-03	4.94E-07	2.09E-07	1.92E-03	6.05E-07	2.57E-07	1.68E-03	5.31E-07	2.25E-07
245	488149.44, 3856689.39	1.52E-03	4.80E-07	2.04E-07	1.86E-03	5.88E-07	2.50E-07	1.64E-03	5.16E-07	2.19E-07
246	488199.44, 3856689.39	1.48E-03	4.67E-07	1.98E-07	1.81E-03	5.72E-07	2.43E-07	1.59E-03	5.02E-07	2.13E-07
247	488249.44, 3856689.39	1.44E-03	4.55E-07	1.93E-07	1.77E-03	5.57E-07	2.36E-07	1.55E-03	4.89E-07	2.08E-07
248	488299.44, 3856689.39	1.40E-03	4.43E-07	1.88E-07	1.72E-03	5.43E-07	2.30E-07	1.51E-03	4.76E-07	2.02E-07
249	488349.44, 3856689.39	1.37E-03	4.32E-07	1.83E-07	1.68E-03	5.29E-07	2.25E-07	1.47E-03	4.64E-07	1.97E-07
250	488399.44, 3856689.39	1.34E-03	4.22E-07	1.79E-07	1.64E-03	5.17E-07	2.19E-07	1.44E-03	4.53E-07	1.92E-07
251	488099.44, 3856739.39	1.59E-03	5.02E-07	2.13E-07	1.95E-03	6.15E-07	2.61E-07	1.71E-03	5.40E-07	2.29E-07
252	488149.44, 3856739.39	1.55E-03	4.88E-07	2.07E-07	1.90E-03	5.98E-07	2.54E-07	1.66E-03	5.25E-07	2.23E-07

253	488199.44, 3856739.39	1.50E-03	4.75E-07	2.01E-07	1.84E-03	5.81E-07	2.47E-07	1.62E-03	5.10E-07	2.16E-07
254	488249.44, 3856739.39	1.46E-03	4.62E-07	1.96E-07	1.79E-03	5.66E-07	2.40E-07	1.57E-03	4.96E-07	2.11E-07
255	488299.44, 3856739.39	1.43E-03	4.51E-07	1.91E-07	1.75E-03	5.52E-07	2.34E-07	1.53E-03	4.84E-07	2.05E-07
256	488349.44, 3856739.39	1.39E-03	4.39E-07	1.86E-07	1.70E-03	5.37E-07	2.28E-07	1.49E-03	4.71E-07	2.00E-07
257	488399.44, 3856739.39	1.35E-03	4.27E-07	1.81E-07	1.66E-03	5.23E-07	2.22E-07	1.45E-03	4.59E-07	1.95E-07
258	487999.44, 3856789.39	1.72E-03	5.44E-07	2.31E-07	2.11E-03	6.66E-07	2.82E-07	1.85E-03	5.84E-07	2.48E-07
259	488049.44, 3856789.39	1.67E-03	5.27E-07	2.24E-07	2.04E-03	6.45E-07	2.74E-07	1.79E-03	5.66E-07	2.40E-07
260	488099.44, 3856789.39	1.62E-03	5.11E-07	2.17E-07	1.98E-03	6.25E-07	2.65E-07	1.74E-03	5.48E-07	2.33E-07
261	488149.44, 3856789.39	1.57E-03	4.96E-07	2.11E-07	1.93E-03	6.08E-07	2.58E-07	1.69E-03	5.33E-07	2.26E-07
262	488199.44, 3856789.39	1.53E-03	4.82E-07	2.05E-07	1.87E-03	5.90E-07	2.50E-07	1.64E-03	5.18E-07	2.20E-07
263	488249.44, 3856789.39	1.49E-03	4.69E-07	1.99E-07	1.82E-03	5.74E-07	2.44E-07	1.60E-03	5.03E-07	2.14E-07
264	488299.44, 3856789.39	1.45E-03	4.57E-07	1.94E-07	1.77E-03	5.60E-07	2.37E-07	1.55E-03	4.91E-07	2.08E-07
265	488349.44, 3856789.39	1.41E-03	4.45E-07	1.89E-07	1.72E-03	5.44E-07	2.31E-07	1.51E-03	4.77E-07	2.02E-07
266	488399.44, 3856789.39	1.37E-03	4.33E-07	1.84E-07	1.68E-03	5.30E-07	2.25E-07	1.47E-03	4.64E-07	1.97E-07
267	487949.44, 3856839.39	1.81E-03	5.72E-07	2.43E-07	2.22E-03	7.00E-07	2.97E-07	1.94E-03	6.14E-07	2.60E-07
268	487999.44, 3856839.39	1.75E-03	5.53E-07	2.35E-07	2.15E-03	6.77E-07	2.87E-07	1.88E-03	5.94E-07	2.52E-07
269	488049.44, 3856839.39	1.70E-03	5.35E-07	2.27E-07	2.08E-03	6.56E-07	2.78E-07	1.82E-03	5.75E-07	2.44E-07
270	488099.44, 3856839.39	1.64E-03	5.19E-07	2.20E-07	2.01E-03	6.35E-07	2.70E-07	1.76E-03	5.57E-07	2.36E-07
271	488149.44, 3856839.39	1.59E-03	5.03E-07	2.14E-07	1.95E-03	6.16E-07	2.62E-07	1.71E-03	5.40E-07	2.29E-07
272	488199.44, 3856839.39	1.55E-03	4.89E-07	2.07E-07	1.90E-03	5.99E-07	2.54E-07	1.66E-03	5.24E-07	2.22E-07
273	487949.44, 3856889.39	1.84E-03	5.81E-07	2.47E-07	2.25E-03	7.12E-07	3.02E-07	1.97E-03	6.23E-07	2.64E-07
274	487999.44, 3856889.39	1.78E-03	5.61E-07	2.38E-07	2.18E-03	6.87E-07	2.92E-07	1.91E-03	6.02E-07	2.55E-07
275	488049.44, 3856889.39	1.72E-03	5.44E-07	2.31E-07	2.11E-03	6.66E-07	2.83E-07	1.85E-03	5.83E-07	2.47E-07
276	488099.44, 3856889.39	1.67E-03	5.26E-07	2.23E-07	2.04E-03	6.45E-07	2.73E-07	1.79E-03	5.64E-07	2.39E-07
277	488635.86, 3857895.05	1.15E-03	3.64E-07	1.54E-07	1.41E-03	4.45E-07	1.89E-07	1.24E-03	3.90E-07	1.66E-07
278	489137.64, 3857804.15	9.17E-04	2.89E-07	1.23E-07	1.12E-03	3.54E-07	1.50E-07	9.83E-04	3.10E-07	1.32E-07
279	488617.32, 3857859.41	1.19E-03	3.75E-07	1.59E-07	1.46E-03	4.59E-07	1.95E-07	1.27E-03	4.02E-07	1.71E-07
280	488667.32, 3857859.41	1.15E-03	3.63E-07	1.54E-07	1.41E-03	4.45E-07	1.89E-07	1.23E-03	3.90E-07	1.65E-07
281	488717.32, 3857859.41	1.12E-03	3.52E-07	1.50E-07	1.37E-03	4.32E-07	1.83E-07	1.20E-03	3.78E-07	1.60E-07
282	488767.32, 3857859.41	1.08E-03	3.42E-07	1.45E-07	1.33E-03	4.18E-07	1.78E-07	1.16E-03	3.66E-07	1.55E-07
283	488617.32, 3857909.41	1.16E-03	3.65E-07	1.55E-07	1.42E-03	4.47E-07	1.90E-07	1.24E-03	3.92E-07	1.66E-07
284	488667.32, 3857909.41	1.12E-03	3.54E-07	1.50E-07	1.37E-03	4.33E-07	1.84E-07	1.20E-03	3.79E-07	1.61E-07
285	488717.32, 3857909.41	1.09E-03	3.44E-07	1.46E-07	1.33E-03	4.21E-07	1.79E-07	1.17E-03	3.69E-07	1.56E-07
286	488767.32, 3857909.41	1.06E-03	3.34E-07	1.42E-07	1.29E-03	4.09E-07	1.73E-07	1.13E-03	3.58E-07	1.52E-07
287	488417.32, 3857959.41	1.30E-03	4.09E-07	1.74E-07	1.59E-03	5.01E-07	2.13E-07	1.39E-03	4.40E-07	1.87E-07
288	488467.32, 3857959.41	1.25E-03	3.95E-07	1.67E-07	1.53E-03	4.83E-07	2.05E-07	1.34E-03	4.24E-07	1.80E-07
289	488517.32, 3857959.41	1.21E-03	3.81E-07	1.62E-07	1.48E-03	4.66E-07	1.98E-07	1.30E-03	4.09E-07	1.73E-07
290	488567.32, 3857959.41	1.17E-03	3.68E-07	1.56E-07	1.43E-03	4.51E-07	1.91E-07	1.25E-03	3.95E-07	1.68E-07
291	488617.32, 3857959.41	1.13E-03	3.57E-07	1.51E-07	1.38E-03	4.37E-07	1.85E-07	1.21E-03	3.83E-07	1.62E-07
292	488667.32, 3857959.41	1.10E-03	3.46E-07	1.47E-07	1.34E-03	4.24E-07	1.80E-07	1.18E-03	3.71E-07	1.58E-07
293	488717.32, 3857959.41	1.06E-03	3.36E-07	1.43E-07	1.30E-03	4.11E-07	1.75E-07	1.14E-03	3.60E-07	1.53E-07
294	488767.32, 3857959.41	1.03E-03	3.27E-07	1.39E-07	1.27E-03	4.00E-07	1.70E-07	1.11E-03	3.50E-07	1.49E-07
295	488417.32, 3858009.41	1.27E-03	4.01E-07	1.70E-07	1.55E-03	4.91E-07	2.08E-07	1.36E-03	4.30E-07	1.83E-07
296	488467.32, 3858009.41	1.22E-03	3.86E-07	1.64E-07	1.50E-03	4.73E-07	2.01E-07	1.31E-03	4.15E-07	1.76E-07
297	488517.32, 3858009.41	1.18E-03	3.73E-07	1.58E-07	1.45E-03	4.57E-07	1.94E-07	1.27E-03	4.01E-07	1.70E-07
298	488567.32, 3858009.41	1.15E-03	3.61E-07	1.53E-07	1.40E-03	4.42E-07	1.88E-07	1.23E-03	3.88E-07	1.65E-07
299	488617.32, 3858009.41	1.11E-03	3.50E-07	1.49E-07	1.36E-03	4.29E-07	1.82E-07	1.19E-03	3.76E-07	1.60E-07
300	488667.32, 3858009.41	1.08E-03	3.40E-07	1.44E-07	1.32E-03	4.16E-07	1.76E-07	1.16E-03	3.65E-07	1.55E-07
301	488717.32, 3858009.41	1.05E-03	3.30E-07	1.40E-07	1.28E-03	4.04E-07	1.71E-07	1.12E-03	3.54E-07	1.50E-07
302	488767.32, 3858009.41	1.02E-03	3.21E-07	1.36E-07	1.24E-03	3.93E-07	1.67E-07	1.09E-03	3.45E-07	1.46E-07
303	488417.32, 3858059.41	1.26E-03	3.97E-07	1.68E-07	1.54E-03	4.85E-07	2.06E-07	1.35E-03	4.26E-07	1.81E-07
304	488467.32, 3858059.41	1.21E-03	3.82E-07	1.62E-07	1.48E-03	4.68E-07	1.99E-07	1.30E-03	4.11E-07	1.74E-07
305	488517.32, 3858059.41	1.17E-03	3.69E-07	1.57E-07	1.43E-03	4.52E-07	1.92E-07	1.26E-03	3.97E-07	1.68E-07
306	488567.32, 3858059.41	1.13E-03	3.58E-07	1.52E-07	1.39E-03	4.38E-07	1.86E-07	1.22E-03	3.84E-07	1.63E-07
307	488617.32, 3858059.41	1.10E-03	3.46E-07	1.47E-07	1.34E-03	4.24E-07	1.80E-07	1.18E-03	3.72E-07	1.58E-07
308	488667.32, 3858059.41	1.06E-03	3.36E-07	1.42E-07	1.30E-03	4.11E-07	1.74E-07	1.14E-03	3.61E-07	1.53E-07
309	488417.32, 3858109.41	1.26E-03	3.97E-07	1.68E-07	1.54E-03	4.86E-07	2.06E-07	1.35E-03	4.27E-07	1.81E-07
310	488467.32, 3858109.41	1.21E-03	3.83E-07	1.62E-07	1.48E-03	4.69E-07	1.99E-07	1.30E-03	4.11E-07	1.75E-07
311	488517.32, 3858109.41	1.17E-03	3.70E-07	1.57E-07	1.43E-03	4.53E-07	1.92E-07	1.26E-03	3.97E-07	1.69E-07
312	488567.32, 3858109.41	1.13E-03	3.57E-07	1.51E-07	1.38E-03	4.37E-07	1.85E-07	1.22E-03	3.84E-07	1.63E-07
313	488617.32, 3858109.41	1.09E-03	3.45E-07	1.46E-07	1.34E-03	4.23E-07	1.79E-07	1.18E-03	3.71E-07	1.57E-07
314	488667.32, 3858109.41	1.06E-03	3.34E-07	1.42E-07	1.30E-03	4.09E-07	1.73E-07	1.14E-03	3.59E-07	1.52E-07
315	488769.93, 3858449.27	1.18E-03	3.73E-07	1.58E-07	1.45E-03	4.56E-07	1.94E-07	1.27E-03	4.02E-07	1.70E-07
316	488819.93, 3858449.27	1.11E-03	3.51E-07	1.49E-07	1.36E-03	4.30E-07	1.83E-07	1.20E-03	3.79E-07	1.61E-07

317	488819.93, 3858499.27	1.18E-03	3.74E-07	1.59E-07	1.45E-03	4.58E-07	1.94E-07	1.28E-03	4.03E-07	1.71E-07
318	488869.93, 3858499.27	1.11E-03	3.51E-07	1.49E-07	1.36E-03	4.30E-07	1.83E-07	1.20E-03	3.79E-07	1.61E-07
319	488869.93, 3858549.27	1.19E-03	3.75E-07	1.59E-07	1.46E-03	4.60E-07	1.95E-07	1.28E-03	4.05E-07	1.72E-07
320	489438.17, 3859571.48	2.02E-04	6.36E-08	2.70E-08	2.47E-04	7.79E-08	3.31E-08	2.17E-04	6.84E-08	2.90E-08
321	489488.17, 3859571.48	2.01E-04	6.35E-08	2.69E-08	2.46E-04	7.77E-08	3.30E-08	2.16E-04	6.82E-08	2.89E-08
322	489538.17, 3859571.48	2.00E-04	6.32E-08	2.68E-08	2.45E-04	7.74E-08	3.29E-08	2.15E-04	6.79E-08	2.88E-08
323	489588.17, 3859571.48	1.99E-04	6.28E-08	2.67E-08	2.44E-04	7.69E-08	3.26E-08	2.14E-04	6.75E-08	2.86E-08
324	489438.17, 3859621.48	1.93E-04	6.08E-08	2.58E-08	2.36E-04	7.45E-08	3.16E-08	2.07E-04	6.54E-08	2.77E-08
325	489488.17, 3859621.48	1.93E-04	6.08E-08	2.58E-08	2.36E-04	7.44E-08	3.16E-08	2.07E-04	6.53E-08	2.77E-08
326	489538.17, 3859621.48	1.92E-04	6.06E-08	2.57E-08	2.35E-04	7.43E-08	3.15E-08	2.06E-04	6.52E-08	2.76E-08
327	489588.17, 3859621.48	1.92E-04	6.05E-08	2.57E-08	2.35E-04	7.41E-08	3.14E-08	2.06E-04	6.50E-08	2.76E-08
328	489238.17, 3859671.48	1.83E-04	5.77E-08	2.45E-08	2.24E-04	7.06E-08	3.00E-08	1.96E-04	6.20E-08	2.63E-08
329	489288.17, 3859671.48	1.83E-04	5.78E-08	2.45E-08	2.24E-04	7.08E-08	3.01E-08	1.97E-04	6.21E-08	2.64E-08
330	489338.17, 3859671.48	1.84E-04	5.80E-08	2.46E-08	2.25E-04	7.11E-08	3.02E-08	1.98E-04	6.24E-08	2.65E-08
331	489388.17, 3859671.48	1.85E-04	5.83E-08	2.47E-08	2.26E-04	7.14E-08	3.03E-08	1.98E-04	6.26E-08	2.66E-08
332	489438.17, 3859671.48	1.85E-04	5.83E-08	2.47E-08	2.26E-04	7.14E-08	3.03E-08	1.98E-04	6.26E-08	2.66E-08
333	489488.17, 3859671.48	1.85E-04	5.84E-08	2.48E-08	2.27E-04	7.15E-08	3.03E-08	1.99E-04	6.27E-08	2.66E-08
334	489538.17, 3859671.48	1.85E-04	5.84E-08	2.48E-08	2.26E-04	7.15E-08	3.03E-08	1.99E-04	6.27E-08	2.66E-08
335	489588.17, 3859671.48	1.85E-04	5.83E-08	2.47E-08	2.26E-04	7.14E-08	3.03E-08	1.98E-04	6.26E-08	2.66E-08
336	489238.17, 3859721.48	1.75E-04	5.52E-08	2.34E-08	2.14E-04	6.76E-08	2.87E-08	1.88E-04	5.93E-08	2.52E-08
337	489288.17, 3859721.48	1.76E-04	5.55E-08	2.36E-08	2.15E-04	6.80E-08	2.89E-08	1.89E-04	5.97E-08	2.53E-08
338	489338.17, 3859721.48	1.77E-04	5.57E-08	2.36E-08	2.16E-04	6.82E-08	2.90E-08	1.90E-04	5.99E-08	2.54E-08
339	489388.17, 3859721.48	1.77E-04	5.59E-08	2.37E-08	2.17E-04	6.84E-08	2.90E-08	1.90E-04	6.00E-08	2.55E-08
340	489438.17, 3859721.48	1.77E-04	5.59E-08	2.37E-08	2.17E-04	6.85E-08	2.91E-08	1.90E-04	6.01E-08	2.55E-08
341	489488.17, 3859721.48	1.78E-04	5.61E-08	2.38E-08	2.18E-04	6.87E-08	2.92E-08	1.91E-04	6.03E-08	2.56E-08
342	489538.17, 3859721.48	1.78E-04	5.62E-08	2.38E-08	2.18E-04	6.88E-08	2.92E-08	1.91E-04	6.03E-08	2.56E-08
343	489588.17, 3859721.48	1.78E-04	5.62E-08	2.38E-08	2.18E-04	6.88E-08	2.92E-08	1.91E-04	6.03E-08	2.56E-08
344	489238.17, 3859771.48	1.68E-04	5.30E-08	2.25E-08	2.06E-04	6.50E-08	2.76E-08	1.81E-04	5.70E-08	2.42E-08
345	489288.17, 3859771.48	1.69E-04	5.33E-08	2.26E-08	2.07E-04	6.53E-08	2.77E-08	1.81E-04	5.73E-08	2.43E-08
346	489338.17, 3859771.48	1.69E-04	5.35E-08	2.27E-08	2.07E-04	6.55E-08	2.78E-08	1.82E-04	5.74E-08	2.44E-08
347	489388.17, 3859771.48	1.70E-04	5.36E-08	2.28E-08	2.08E-04	6.57E-08	2.79E-08	1.83E-04	5.76E-08	2.45E-08
348	489438.17, 3859771.48	1.70E-04	5.37E-08	2.28E-08	2.09E-04	6.58E-08	2.79E-08	1.83E-04	5.77E-08	2.45E-08
349	489488.17, 3859771.48	1.71E-04	5.40E-08	2.29E-08	2.10E-04	6.61E-08	2.81E-08	1.84E-04	5.80E-08	2.46E-08
350	489538.17, 3859771.48	1.71E-04	5.41E-08	2.30E-08	2.10E-04	6.63E-08	2.81E-08	1.84E-04	5.82E-08	2.47E-08
351	489588.17, 3859771.48	1.72E-04	5.41E-08	2.30E-08	2.10E-04	6.63E-08	2.81E-08	1.84E-04	5.82E-08	2.47E-08
352	489238.17, 3859821.48	1.62E-04	5.10E-08	2.16E-08	1.98E-04	6.24E-08	2.65E-08	1.74E-04	5.48E-08	2.32E-08
353	489288.17, 3859821.48	1.62E-04	5.13E-08	2.17E-08	1.99E-04	6.28E-08	2.66E-08	1.74E-04	5.51E-08	2.34E-08
354	489338.17, 3859821.48	1.63E-04	5.14E-08	2.18E-08	2.00E-04	6.30E-08	2.67E-08	1.75E-04	5.52E-08	2.34E-08
355	489388.17, 3859821.48	1.63E-04	5.16E-08	2.19E-08	2.00E-04	6.32E-08	2.68E-08	1.76E-04	5.54E-08	2.35E-08
356	489438.17, 3859821.48	1.64E-04	5.18E-08	2.20E-08	2.01E-04	6.35E-08	2.69E-08	1.76E-04	5.57E-08	2.36E-08
357	489488.17, 3859821.48	1.65E-04	5.20E-08	2.21E-08	2.02E-04	6.37E-08	2.70E-08	1.77E-04	5.59E-08	2.37E-08
358	489538.17, 3859821.48	1.65E-04	5.22E-08	2.21E-08	2.03E-04	6.39E-08	2.71E-08	1.78E-04	5.61E-08	2.38E-08
359	489588.17, 3859821.48	1.66E-04	5.22E-08	2.22E-08	2.03E-04	6.40E-08	2.72E-08	1.78E-04	5.61E-08	2.38E-08
360	489238.17, 3859871.48	1.56E-04	4.91E-08	2.08E-08	1.91E-04	6.02E-08	2.55E-08	1.67E-04	5.28E-08	2.24E-08
361	489288.17, 3859871.48	1.56E-04	4.93E-08	2.09E-08	1.91E-04	6.04E-08	2.56E-08	1.68E-04	5.30E-08	2.25E-08
362	489338.17, 3859871.48	1.57E-04	4.95E-08	2.10E-08	1.92E-04	6.06E-08	2.57E-08	1.69E-04	5.32E-08	2.26E-08
363	489388.17, 3859871.48	1.58E-04	4.98E-08	2.11E-08	1.93E-04	6.10E-08	2.59E-08	1.69E-04	5.35E-08	2.27E-08
364	489438.17, 3859871.48	1.59E-04	5.01E-08	2.12E-08	1.94E-04	6.13E-08	2.60E-08	1.70E-04	5.38E-08	2.28E-08
365	489488.17, 3859871.48	1.60E-04	5.04E-08	2.14E-08	1.95E-04	6.17E-08	2.62E-08	1.71E-04	5.41E-08	2.30E-08
366	489538.17, 3859871.48	1.60E-04	5.04E-08	2.14E-08	1.96E-04	6.18E-08	2.62E-08	1.72E-04	5.42E-08	2.30E-08
367	489588.17, 3859871.48	1.60E-04	5.05E-08	2.14E-08	1.96E-04	6.19E-08	2.63E-08	1.72E-04	5.43E-08	2.30E-08
368	489238.17, 3859921.48	1.50E-04	4.75E-08	2.01E-08	1.84E-04	5.81E-08	2.47E-08	1.62E-04	5.10E-08	2.16E-08
369	489288.17, 3859921.48	1.51E-04	4.77E-08	2.02E-08	1.85E-04	5.84E-08	2.48E-08	1.62E-04	5.12E-08	2.17E-08
370	489338.17, 3859921.48	1.52E-04	4.79E-08	2.03E-08	1.86E-04	5.87E-08	2.49E-08	1.63E-04	5.14E-08	2.18E-08
371	489388.17, 3859921.48	1.53E-04	4.82E-08	2.04E-08	1.87E-04	5.90E-08	2.50E-08	1.64E-04	5.17E-08	2.20E-08
372	489438.17, 3859921.48	1.54E-04	4.85E-08	2.06E-08	1.88E-04	5.94E-08	2.52E-08	1.65E-04	5.21E-08	2.21E-08
373	489488.17, 3859921.48	1.54E-04	4.87E-08	2.07E-08	1.89E-04	5.96E-08	2.53E-08	1.66E-04	5.23E-08	2.22E-08
374	489538.17, 3859921.48	1.55E-04	4.88E-08	2.07E-08	1.89E-04	5.98E-08	2.54E-08	1.66E-04	5.24E-08	2.22E-08
375	489588.17, 3859921.48	1.55E-04	4.89E-08	2.08E-08	1.90E-04	5.99E-08	2.54E-08	1.67E-04	5.26E-08	2.23E-08
376	489238.17, 3859971.48	1.46E-04	4.60E-08	1.95E-08	1.78E-04	5.63E-08	2.39E-08	1.56E-04	4.94E-08	2.09E-08
377	489288.17, 3859971.48	1.46E-04	4.61E-08	1.96E-08	1.79E-04	5.65E-08	2.40E-08	1.57E-04	4.95E-08	2.10E-08
378	489338.17, 3859971.48	1.47E-04	4.63E-08	1.97E-08	1.80E-04	5.68E-08	2.41E-08	1.58E-04	4.98E-08	2.11E-08
379	489388.17, 3859971.48	1.48E-04	4.67E-08	1.98E-08	1.81E-04	5.71E-08	2.42E-08	1.59E-04	5.01E-08	2.13E-08
380	489438.17, 3859971.48	1.49E-04	4.70E-08	1.99E-08	1.82E-04	5.76E-08	2.44E-08	1.60E-04	5.05E-08	2.14E-08

381	489488.17, 3859971.48	1.50E-04	4.72E-08	2.00E-08	1.83E-04	5.78E-08	2.45E-08	1.61E-04	5.07E-08	2.15E-08
382	489538.17, 3859971.48	1.50E-04	4.74E-08	2.01E-08	1.84E-04	5.80E-08	2.46E-08	1.61E-04	5.09E-08	2.16E-08
383	489588.17, 3859971.48	1.50E-04	4.75E-08	2.01E-08	1.84E-04	5.81E-08	2.47E-08	1.62E-04	5.10E-08	2.16E-08
384	483577.7, 3854071	7.35E-04	2.32E-07	9.84E-08	9.01E-04	2.84E-07	1.21E-07	7.92E-04	2.50E-07	1.06E-07
385	483627.7, 3854071	7.06E-04	2.23E-07	9.45E-08	8.64E-04	2.73E-07	1.16E-07	7.60E-04	2.40E-07	1.02E-07
386	483677.7, 3854071	6.78E-04	2.14E-07	9.08E-08	8.31E-04	2.62E-07	1.11E-07	7.30E-04	2.30E-07	9.78E-08
387	483727.7, 3854071	6.53E-04	2.06E-07	8.74E-08	8.00E-04	2.52E-07	1.07E-07	7.03E-04	2.22E-07	9.42E-08
388	483777.7, 3854071	6.25E-04	1.97E-07	8.37E-08	7.66E-04	2.42E-07	1.03E-07	6.73E-04	2.12E-07	9.01E-08
389	483577.7, 3854121	7.77E-04	2.45E-07	1.04E-07	9.52E-04	3.00E-07	1.27E-07	8.37E-04	2.64E-07	1.12E-07
390	483627.7, 3854121	7.43E-04	2.34E-07	9.95E-08	9.10E-04	2.87E-07	1.22E-07	8.00E-04	2.53E-07	1.07E-07
391	483677.7, 3854121	7.10E-04	2.24E-07	9.50E-08	8.70E-04	2.74E-07	1.16E-07	7.64E-04	2.41E-07	1.02E-07
392	483727.7, 3854121	6.77E-04	2.14E-07	9.07E-08	8.30E-04	2.62E-07	1.11E-07	7.29E-04	2.30E-07	9.77E-08
393	483777.7, 3854121	6.52E-04	2.06E-07	8.73E-08	7.99E-04	2.52E-07	1.07E-07	7.02E-04	2.22E-07	9.40E-08
394	483577.7, 3854171	8.16E-04	2.58E-07	1.09E-07	1.00E-03	3.16E-07	1.34E-07	8.79E-04	2.77E-07	1.18E-07
395	483627.7, 3854171	7.74E-04	2.44E-07	1.04E-07	9.49E-04	2.99E-07	1.27E-07	8.34E-04	2.63E-07	1.12E-07
396	483677.7, 3854171	7.40E-04	2.33E-07	9.91E-08	9.06E-04	2.86E-07	1.21E-07	7.97E-04	2.51E-07	1.07E-07
397	483727.7, 3854171	7.11E-04	2.24E-07	9.52E-08	8.71E-04	2.75E-07	1.17E-07	7.65E-04	2.41E-07	1.02E-07
398	483777.7, 3854171	6.83E-04	2.16E-07	9.15E-08	8.37E-04	2.64E-07	1.12E-07	7.35E-04	2.32E-07	9.85E-08
399	483827.7, 3854171	6.49E-04	2.05E-07	8.69E-08	7.95E-04	2.51E-07	1.06E-07	6.99E-04	2.21E-07	9.36E-08
400	483877.7, 3854171	6.25E-04	1.97E-07	8.37E-08	7.65E-04	2.42E-07	1.03E-07	6.73E-04	2.12E-07	9.01E-08
401	483727.7, 3854221	7.52E-04	2.37E-07	1.01E-07	9.21E-04	2.91E-07	1.23E-07	8.09E-04	2.55E-07	1.08E-07
402	483777.7, 3854221	7.21E-04	2.27E-07	9.65E-08	8.83E-04	2.79E-07	1.18E-07	7.76E-04	2.45E-07	1.04E-07
403	483827.7, 3854221	7.04E-04	2.22E-07	9.43E-08	8.63E-04	2.72E-07	1.16E-07	7.58E-04	2.39E-07	1.01E-07
404	483877.7, 3854221	6.72E-04	2.12E-07	9.00E-08	8.23E-04	2.60E-07	1.10E-07	7.23E-04	2.28E-07	9.68E-08
405	489150.19, 3858726.45	9.97E-04	3.15E-07	1.33E-07	1.22E-03	3.85E-07	1.64E-07	1.07E-03	3.39E-07	1.44E-07
406	489200.19, 3858726.45	9.25E-04	2.92E-07	1.24E-07	1.13E-03	3.58E-07	1.52E-07	9.97E-04	3.15E-07	1.33E-07
407	489150.19, 3858776.45	1.01E-03	3.20E-07	1.36E-07	1.24E-03	3.92E-07	1.66E-07	1.09E-03	3.45E-07	1.46E-07
408	489200.19, 3858776.45	9.25E-04	2.92E-07	1.24E-07	1.13E-03	3.58E-07	1.52E-07	9.97E-04	3.15E-07	1.33E-07
409	488919.6, 3856400.76	9.86E-04	3.11E-07	1.32E-07	1.21E-03	3.81E-07	1.62E-07	1.06E-03	3.35E-07	1.42E-07
410	488919.6, 3856450.76	1.00E-03	3.16E-07	1.34E-07	1.23E-03	3.87E-07	1.64E-07	1.08E-03	3.40E-07	1.44E-07
411	488969.6, 3856450.76	9.83E-04	3.10E-07	1.32E-07	1.20E-03	3.80E-07	1.61E-07	1.06E-03	3.33E-07	1.41E-07
412	488919.6, 3856500.76	1.01E-03	3.20E-07	1.36E-07	1.24E-03	3.92E-07	1.66E-07	1.09E-03	3.44E-07	1.46E-07
413	488969.6, 3856500.76	9.96E-04	3.14E-07	1.33E-07	1.22E-03	3.85E-07	1.63E-07	1.07E-03	3.38E-07	1.43E-07
414	488919.6, 3856550.76	1.03E-03	3.24E-07	1.38E-07	1.26E-03	3.97E-07	1.69E-07	1.10E-03	3.49E-07	1.48E-07
415	488969.6, 3856550.76	1.01E-03	3.18E-07	1.35E-07	1.24E-03	3.90E-07	1.65E-07	1.08E-03	3.42E-07	1.45E-07
416	488819.6, 3856600.76	1.08E-03	3.42E-07	1.45E-07	1.33E-03	4.19E-07	1.78E-07	1.16E-03	3.67E-07	1.56E-07
417	488869.6, 3856600.76	1.06E-03	3.35E-07	1.42E-07	1.30E-03	4.10E-07	1.74E-07	1.14E-03	3.60E-07	1.53E-07
418	488919.6, 3856600.76	1.04E-03	3.28E-07	1.39E-07	1.27E-03	4.02E-07	1.71E-07	1.12E-03	3.53E-07	1.50E-07
419	488819.6, 3856650.76	1.10E-03	3.46E-07	1.47E-07	1.34E-03	4.24E-07	1.80E-07	1.18E-03	3.71E-07	1.58E-07
420	488869.6, 3856650.76	1.07E-03	3.39E-07	1.44E-07	1.32E-03	4.15E-07	1.76E-07	1.15E-03	3.64E-07	1.54E-07
421	488819.6, 3856700.76	1.11E-03	3.50E-07	1.48E-07	1.36E-03	4.28E-07	1.82E-07	1.19E-03	3.75E-07	1.59E-07
422	488869.6, 3856700.76	1.09E-03	3.43E-07	1.45E-07	1.33E-03	4.20E-07	1.78E-07	1.17E-03	3.68E-07	1.56E-07
423	488819.6, 3856750.76	1.12E-03	3.54E-07	1.50E-07	1.37E-03	4.33E-07	1.84E-07	1.20E-03	3.79E-07	1.61E-07
424	488869.6, 3856750.76	1.10E-03	3.46E-07	1.47E-07	1.34E-03	4.24E-07	1.80E-07	1.18E-03	3.71E-07	1.58E-07
425	488819.6, 3857050.76	1.18E-03	3.72E-07	1.58E-07	1.44E-03	4.55E-07	1.93E-07	1.26E-03	3.97E-07	1.68E-07
426	488869.6, 3857050.76	1.15E-03	3.63E-07	1.54E-07	1.41E-03	4.44E-07	1.89E-07	1.23E-03	3.88E-07	1.65E-07
427	488919.6, 3857050.76	1.12E-03	3.55E-07	1.51E-07	1.38E-03	4.34E-07	1.84E-07	1.20E-03	3.79E-07	1.61E-07
428	488819.6, 3857100.76	1.18E-03	3.74E-07	1.59E-07	1.45E-03	4.58E-07	1.94E-07	1.27E-03	3.99E-07	1.69E-07
429	488869.6, 3857100.76	1.16E-03	3.65E-07	1.55E-07	1.42E-03	4.47E-07	1.90E-07	1.24E-03	3.90E-07	1.65E-07
430	488919.6, 3857100.76	1.13E-03	3.56E-07	1.51E-07	1.38E-03	4.37E-07	1.85E-07	1.21E-03	3.81E-07	1.62E-07
431	488819.6, 3857150.76	1.19E-03	3.76E-07	1.59E-07	1.46E-03	4.60E-07	1.95E-07	1.27E-03	4.01E-07	1.70E-07
432	488869.6, 3857150.76	1.16E-03	3.67E-07	1.56E-07	1.42E-03	4.49E-07	1.90E-07	1.24E-03	3.91E-07	1.66E-07
433	488919.6, 3857150.76	1.13E-03	3.58E-07	1.52E-07	1.39E-03	4.38E-07	1.86E-07	1.21E-03	3.82E-07	1.62E-07
434	488969.6, 3857150.76	1.11E-03	3.50E-07	1.48E-07	1.36E-03	4.28E-07	1.82E-07	1.18E-03	3.74E-07	1.58E-07
435	488819.6, 3857200.76	1.19E-03	3.77E-07	1.60E-07	1.46E-03	4.62E-07	1.96E-07	1.28E-03	4.03E-07	1.71E-07
436	488869.6, 3857200.76	1.16E-03	3.68E-07	1.56E-07	1.43E-03	4.50E-07	1.91E-07	1.24E-03	3.93E-07	1.67E-07
437	488919.6, 3857200.76	1.14E-03	3.59E-07	1.52E-07	1.39E-03	4.39E-07	1.86E-07	1.21E-03	3.83E-07	1.63E-07
438	488969.6, 3857200.76	1.11E-03	3.50E-07	1.49E-07	1.36E-03	4.29E-07	1.82E-07	1.19E-03	3.74E-07	1.59E-07
439	488819.6, 3857250.76	1.20E-03	3.78E-07	1.60E-07	1.47E-03	4.63E-07	1.96E-07	1.28E-03	4.04E-07	1.71E-07
440	488869.6, 3857250.76	1.17E-03	3.69E-07	1.56E-07	1.43E-03	4.51E-07	1.91E-07	1.25E-03	3.93E-07	1.67E-07
441	488919.6, 3857250.76	1.14E-03	3.59E-07	1.52E-07	1.39E-03	4.40E-07	1.87E-07	1.22E-03	3.84E-07	1.63E-07
442	488969.6, 3857250.76	1.11E-03	3.51E-07	1.49E-07	1.36E-03	4.30E-07	1.82E-07	1.19E-03	3.75E-07	1.59E-07
443	488819.6, 3857300.76	1.20E-03	3.78E-07	1.61E-07	1.47E-03	4.63E-07	1.97E-07	1.28E-03	4.04E-07	1.71E-07
444	488869.6, 3857300.76	1.17E-03	3.69E-07	1.56E-07	1.43E-03	4.51E-07	1.92E-07	1.25E-03	3.94E-07	1.67E-07

445	488919.6, 3857300.76	1.14E-03	3.59E-07	1.52E-07	1.39E-03	4.40E-07	1.87E-07	1.22E-03	3.84E-07	1.63E-07
446	488819.6, 3857450.76	1.19E-03	3.76E-07	1.60E-07	1.46E-03	4.61E-07	1.95E-07	1.27E-03	4.02E-07	1.70E-07
447	488869.6, 3857450.76	1.16E-03	3.66E-07	1.55E-07	1.42E-03	4.48E-07	1.90E-07	1.24E-03	3.91E-07	1.66E-07
448	488919.6, 3857450.76	1.13E-03	3.56E-07	1.51E-07	1.38E-03	4.36E-07	1.85E-07	1.20E-03	3.80E-07	1.61E-07
449	488819.6, 3857500.76	1.19E-03	3.74E-07	1.59E-07	1.45E-03	4.58E-07	1.94E-07	1.27E-03	4.00E-07	1.70E-07
450	488869.6, 3857500.76	1.15E-03	3.63E-07	1.54E-07	1.41E-03	4.45E-07	1.89E-07	1.23E-03	3.88E-07	1.65E-07
451	488919.6, 3857500.76	1.12E-03	3.53E-07	1.50E-07	1.37E-03	4.33E-07	1.84E-07	1.20E-03	3.78E-07	1.60E-07
452	488819.6, 3857550.76	1.18E-03	3.71E-07	1.58E-07	1.44E-03	4.55E-07	1.93E-07	1.26E-03	3.97E-07	1.68E-07
453	488869.6, 3857550.76	1.14E-03	3.60E-07	1.53E-07	1.40E-03	4.41E-07	1.87E-07	1.22E-03	3.85E-07	1.63E-07
454	488919.6, 3857550.76	1.11E-03	3.50E-07	1.48E-07	1.36E-03	4.29E-07	1.82E-07	1.19E-03	3.74E-07	1.59E-07
455	489663.71, 3860900.05	8.61E-05	2.72E-08	1.15E-08	1.05E-04	3.33E-08	1.41E-08	9.25E-05	2.92E-08	1.24E-08
456	489813.71, 3860900.05	8.66E-05	2.73E-08	1.16E-08	1.06E-04	3.35E-08	1.42E-08	9.30E-05	2.94E-08	1.25E-08
457	489863.71, 3860900.05	8.67E-05	2.74E-08	1.16E-08	1.06E-04	3.35E-08	1.42E-08	9.31E-05	2.94E-08	1.25E-08
458	489913.71, 3860900.05	8.70E-05	2.75E-08	1.16E-08	1.07E-04	3.36E-08	1.43E-08	9.34E-05	2.95E-08	1.25E-08
459	489963.71, 3860900.05	8.71E-05	2.75E-08	1.17E-08	1.07E-04	3.37E-08	1.43E-08	9.35E-05	2.95E-08	1.25E-08
460	490013.71, 3860900.05	8.74E-05	2.76E-08	1.17E-08	1.07E-04	3.38E-08	1.43E-08	9.39E-05	2.96E-08	1.26E-08
461	490063.71, 3860900.05	8.76E-05	2.76E-08	1.17E-08	1.07E-04	3.39E-08	1.44E-08	9.41E-05	2.97E-08	1.26E-08
462	489663.71, 3860950.05	8.42E-05	2.66E-08	1.13E-08	1.03E-04	3.26E-08	1.38E-08	9.05E-05	2.86E-08	1.21E-08
463	489813.71, 3860950.05	8.47E-05	2.67E-08	1.13E-08	1.04E-04	3.27E-08	1.39E-08	9.10E-05	2.87E-08	1.22E-08
464	489863.71, 3860950.05	8.47E-05	2.67E-08	1.13E-08	1.04E-04	3.27E-08	1.39E-08	9.10E-05	2.87E-08	1.22E-08
465	489913.71, 3860950.05	8.49E-05	2.68E-08	1.14E-08	1.04E-04	3.28E-08	1.39E-08	9.12E-05	2.88E-08	1.22E-08
466	489963.71, 3860950.05	8.50E-05	2.68E-08	1.14E-08	1.04E-04	3.29E-08	1.39E-08	9.13E-05	2.88E-08	1.22E-08
467	490013.71, 3860950.05	8.53E-05	2.69E-08	1.14E-08	1.04E-04	3.30E-08	1.40E-08	9.16E-05	2.89E-08	1.23E-08
468	490063.71, 3860950.05	8.55E-05	2.70E-08	1.14E-08	1.05E-04	3.30E-08	1.40E-08	9.18E-05	2.90E-08	1.23E-08
469	489513.71, 3861000.05	8.23E-05	2.60E-08	1.10E-08	1.01E-04	3.18E-08	1.35E-08	8.84E-05	2.79E-08	1.18E-08
470	489563.71, 3861000.05	8.23E-05	2.60E-08	1.10E-08	1.01E-04	3.18E-08	1.35E-08	8.84E-05	2.79E-08	1.18E-08
471	489613.71, 3861000.05	8.24E-05	2.60E-08	1.10E-08	1.01E-04	3.19E-08	1.35E-08	8.85E-05	2.79E-08	1.19E-08
472	489663.71, 3861000.05	8.25E-05	2.60E-08	1.10E-08	1.01E-04	3.19E-08	1.35E-08	8.86E-05	2.80E-08	1.19E-08
473	489713.71, 3861000.05	8.25E-05	2.60E-08	1.11E-08	1.01E-04	3.19E-08	1.35E-08	8.86E-05	2.80E-08	1.19E-08
474	489763.71, 3861000.05	8.26E-05	2.61E-08	1.11E-08	1.01E-04	3.19E-08	1.36E-08	8.87E-05	2.80E-08	1.19E-08
475	489813.71, 3861000.05	8.29E-05	2.62E-08	1.11E-08	1.02E-04	3.20E-08	1.36E-08	8.90E-05	2.81E-08	1.19E-08
476	489863.71, 3861000.05	8.29E-05	2.62E-08	1.11E-08	1.02E-04	3.20E-08	1.36E-08	8.90E-05	2.81E-08	1.19E-08
477	489913.71, 3861000.05	8.31E-05	2.62E-08	1.11E-08	1.02E-04	3.21E-08	1.36E-08	8.92E-05	2.82E-08	1.20E-08
478	489963.71, 3861000.05	8.31E-05	2.62E-08	1.11E-08	1.02E-04	3.21E-08	1.36E-08	8.93E-05	2.82E-08	1.20E-08
479	490013.71, 3861000.05	8.33E-05	2.63E-08	1.12E-08	1.02E-04	3.22E-08	1.37E-08	8.95E-05	2.82E-08	1.20E-08
480	490063.71, 3861000.05	8.35E-05	2.64E-08	1.12E-08	1.02E-04	3.23E-08	1.37E-08	8.97E-05	2.83E-08	1.20E-08
481	489513.71, 3861050.05	8.07E-05	2.55E-08	1.08E-08	9.88E-05	3.12E-08	1.32E-08	8.67E-05	2.74E-08	1.16E-08
482	489563.71, 3861050.05	8.07E-05	2.55E-08	1.08E-08	9.88E-05	3.12E-08	1.32E-08	8.67E-05	2.74E-08	1.16E-08
483	489613.71, 3861050.05	8.09E-05	2.55E-08	1.08E-08	9.91E-05	3.13E-08	1.33E-08	8.69E-05	2.74E-08	1.16E-08
484	489663.71, 3861050.05	8.08E-05	2.55E-08	1.08E-08	9.90E-05	3.12E-08	1.33E-08	8.68E-05	2.74E-08	1.16E-08
485	489713.71, 3861050.05	8.08E-05	2.55E-08	1.08E-08	9.89E-05	3.12E-08	1.33E-08	8.68E-05	2.74E-08	1.16E-08
486	489763.71, 3861050.05	8.09E-05	2.55E-08	1.08E-08	9.91E-05	3.13E-08	1.33E-08	8.69E-05	2.74E-08	1.16E-08
487	489813.71, 3861050.05	8.10E-05	2.56E-08	1.09E-08	9.93E-05	3.13E-08	1.33E-08	8.70E-05	2.75E-08	1.17E-08
488	489863.71, 3861050.05	8.11E-05	2.56E-08	1.09E-08	9.93E-05	3.14E-08	1.33E-08	8.71E-05	2.75E-08	1.17E-08
489	489913.71, 3861050.05	8.12E-05	2.56E-08	1.09E-08	9.95E-05	3.14E-08	1.33E-08	8.72E-05	2.75E-08	1.17E-08
490	489963.71, 3861050.05	8.13E-05	2.57E-08	1.09E-08	9.96E-05	3.14E-08	1.33E-08	8.73E-05	2.76E-08	1.17E-08
491	490013.71, 3861050.05	8.16E-05	2.57E-08	1.09E-08	9.99E-05	3.15E-08	1.34E-08	8.76E-05	2.76E-08	1.17E-08
492	490063.71, 3861050.05	8.17E-05	2.58E-08	1.09E-08	1.00E-04	3.16E-08	1.34E-08	8.77E-05	2.77E-08	1.17E-08
493	489513.71, 3861100.05	7.93E-05	2.50E-08	1.06E-08	9.71E-05	3.07E-08	1.30E-08	8.52E-05	2.69E-08	1.14E-08
494	489563.71, 3861100.05	7.91E-05	2.50E-08	1.06E-08	9.69E-05	3.06E-08	1.30E-08	8.49E-05	2.68E-08	1.14E-08
495	489613.71, 3861100.05	7.89E-05	2.49E-08	1.06E-08	9.66E-05	3.05E-08	1.29E-08	8.47E-05	2.67E-08	1.13E-08
496	489663.71, 3861100.05	7.90E-05	2.49E-08	1.06E-08	9.67E-05	3.05E-08	1.30E-08	8.48E-05	2.68E-08	1.14E-08
497	489713.71, 3861100.05	7.90E-05	2.49E-08	1.06E-08	9.68E-05	3.06E-08	1.30E-08	8.49E-05	2.68E-08	1.14E-08
498	489763.71, 3861100.05	7.91E-05	2.50E-08	1.06E-08	9.69E-05	3.06E-08	1.30E-08	8.50E-05	2.68E-08	1.14E-08
499	489813.71, 3861100.05	7.93E-05	2.50E-08	1.06E-08	9.71E-05	3.06E-08	1.30E-08	8.51E-05	2.69E-08	1.14E-08
500	489863.71, 3861100.05	7.95E-05	2.51E-08	1.06E-08	9.74E-05	3.07E-08	1.30E-08	8.54E-05	2.69E-08	1.14E-08
501	489913.71, 3861100.05	7.95E-05	2.51E-08	1.06E-08	9.74E-05	3.07E-08	1.30E-08	8.54E-05	2.69E-08	1.14E-08
502	489963.71, 3861100.05	7.96E-05	2.51E-08	1.07E-08	9.75E-05	3.08E-08	1.31E-08	8.55E-05	2.70E-08	1.15E-08
503	490013.71, 3861100.05	7.97E-05	2.51E-08	1.07E-08	9.76E-05	3.08E-08	1.31E-08	8.56E-05	2.70E-08	1.15E-08
504	490063.71, 3861100.05	7.98E-05	2.52E-08	1.07E-08	9.77E-05	3.08E-08	1.31E-08	8.57E-05	2.70E-08	1.15E-08
505	489713.71, 3861150.05	7.74E-05	2.44E-08	1.04E-08	9.48E-05	2.99E-08	1.27E-08	8.31E-05	2.62E-08	1.11E-08
506	489763.71, 3861150.05	7.75E-05	2.45E-08	1.04E-08	9.49E-05	3.00E-08	1.27E-08	8.32E-05	2.63E-08	1.11E-08
507	489813.71, 3861150.05	7.76E-05	2.45E-08	1.04E-08	9.51E-05	3.00E-08	1.27E-08	8.34E-05	2.63E-08	1.12E-08
508	489863.71, 3861150.05	7.77E-05	2.45E-08	1.04E-08	9.52E-05	3.00E-08	1.27E-08	8.35E-05	2.63E-08	1.12E-08

509	489913.71, 3861150.05	7.78E-05	2.46E-08	1.04E-08	9.53E-05	3.01E-08	1.28E-08	8.36E-05	2.64E-08	1.12E-08
510	489963.71, 3861150.05	7.78E-05	2.46E-08	1.04E-08	9.53E-05	3.01E-08	1.28E-08	8.36E-05	2.64E-08	1.12E-08
511	490013.71, 3861150.05	7.79E-05	2.46E-08	1.04E-08	9.54E-05	3.01E-08	1.28E-08	8.37E-05	2.64E-08	1.12E-08
512	490063.71, 3861150.05	7.81E-05	2.46E-08	1.05E-08	9.56E-05	3.02E-08	1.28E-08	8.38E-05	2.65E-08	1.12E-08
513	489613.71, 3861200.05	7.56E-05	2.39E-08	1.01E-08	9.26E-05	2.92E-08	1.24E-08	8.12E-05	2.56E-08	1.09E-08
514	489663.71, 3861200.05	7.57E-05	2.39E-08	1.01E-08	9.27E-05	2.93E-08	1.24E-08	8.13E-05	2.57E-08	1.09E-08
515	489713.71, 3861200.05	7.58E-05	2.39E-08	1.02E-08	9.29E-05	2.93E-08	1.24E-08	8.14E-05	2.57E-08	1.09E-08
516	489763.71, 3861200.05	7.59E-05	2.40E-08	1.02E-08	9.30E-05	2.93E-08	1.25E-08	8.15E-05	2.57E-08	1.09E-08
517	489813.71, 3861200.05	7.61E-05	2.40E-08	1.02E-08	9.32E-05	2.94E-08	1.25E-08	8.17E-05	2.58E-08	1.09E-08
518	489863.71, 3861200.05	7.62E-05	2.41E-08	1.02E-08	9.33E-05	2.95E-08	1.25E-08	8.19E-05	2.58E-08	1.10E-08
519	489913.71, 3861200.05	7.63E-05	2.41E-08	1.02E-08	9.34E-05	2.95E-08	1.25E-08	8.19E-05	2.58E-08	1.10E-08
520	489963.71, 3861200.05	7.63E-05	2.41E-08	1.02E-08	9.34E-05	2.95E-08	1.25E-08	8.19E-05	2.59E-08	1.10E-08
521	490013.71, 3861200.05	7.64E-05	2.41E-08	1.02E-08	9.35E-05	2.95E-08	1.25E-08	8.20E-05	2.59E-08	1.10E-08
522	490063.71, 3861200.05	7.64E-05	2.41E-08	1.02E-08	9.36E-05	2.95E-08	1.25E-08	8.21E-05	2.59E-08	1.10E-08
523	489513.71, 3861250.05	7.39E-05	2.33E-08	9.89E-09	9.05E-05	2.86E-08	1.21E-08	7.94E-05	2.50E-08	1.06E-08
524	489563.71, 3861250.05	7.41E-05	2.34E-08	9.92E-09	9.07E-05	2.86E-08	1.21E-08	7.96E-05	2.51E-08	1.07E-08
525	489613.71, 3861250.05	7.42E-05	2.34E-08	9.93E-09	9.08E-05	2.87E-08	1.22E-08	7.97E-05	2.51E-08	1.07E-08
526	489663.71, 3861250.05	7.42E-05	2.34E-08	9.94E-09	9.09E-05	2.87E-08	1.22E-08	7.97E-05	2.52E-08	1.07E-08
527	489713.71, 3861250.05	7.43E-05	2.35E-08	9.95E-09	9.10E-05	2.87E-08	1.22E-08	7.98E-05	2.52E-08	1.07E-08
528	489763.71, 3861250.05	7.44E-05	2.35E-08	9.97E-09	9.12E-05	2.88E-08	1.22E-08	7.99E-05	2.52E-08	1.07E-08
529	489813.71, 3861250.05	7.45E-05	2.35E-08	9.98E-09	9.13E-05	2.88E-08	1.22E-08	8.00E-05	2.53E-08	1.07E-08
530	489863.71, 3861250.05	7.46E-05	2.36E-08	9.99E-09	9.14E-05	2.88E-08	1.22E-08	8.01E-05	2.53E-08	1.07E-08
531	489913.71, 3861250.05	7.47E-05	2.36E-08	1.00E-08	9.15E-05	2.89E-08	1.23E-08	8.03E-05	2.53E-08	1.07E-08
532	489963.71, 3861250.05	7.48E-05	2.36E-08	1.00E-08	9.16E-05	2.89E-08	1.23E-08	8.04E-05	2.54E-08	1.08E-08
533	490013.71, 3861250.05	7.49E-05	2.36E-08	1.00E-08	9.17E-05	2.89E-08	1.23E-08	8.04E-05	2.54E-08	1.08E-08
534	490063.71, 3861250.05	7.49E-05	2.36E-08	1.00E-08	9.17E-05	2.89E-08	1.23E-08	8.04E-05	2.54E-08	1.08E-08
535	489528.13, 3861308.47	7.22E-05	2.28E-08	9.67E-09	8.84E-05	2.79E-08	1.18E-08	7.76E-05	2.45E-08	1.04E-08
536	489578.13, 3861308.47	7.23E-05	2.28E-08	9.69E-09	8.86E-05	2.80E-08	1.19E-08	7.77E-05	2.45E-08	1.04E-08
537	489628.13, 3861308.47	7.24E-05	2.29E-08	9.70E-09	8.87E-05	2.80E-08	1.19E-08	7.78E-05	2.46E-08	1.04E-08
538	489678.13, 3861308.47	7.26E-05	2.29E-08	9.72E-09	8.89E-05	2.81E-08	1.19E-08	7.79E-05	2.46E-08	1.04E-08
539	489728.13, 3861308.47	7.27E-05	2.29E-08	9.73E-09	8.90E-05	2.81E-08	1.19E-08	7.81E-05	2.46E-08	1.05E-08
540	489778.13, 3861308.47	7.27E-05	2.30E-08	9.74E-09	8.91E-05	2.81E-08	1.19E-08	7.81E-05	2.47E-08	1.05E-08
541	489678.13, 3861358.47	7.12E-05	2.25E-08	9.53E-09	8.71E-05	2.75E-08	1.17E-08	7.64E-05	2.41E-08	1.02E-08
542	489728.13, 3861358.47	7.12E-05	2.25E-08	9.54E-09	8.72E-05	2.75E-08	1.17E-08	7.65E-05	2.41E-08	1.02E-08
543	489528.13, 3861408.47	6.94E-05	2.19E-08	9.29E-09	8.50E-05	2.68E-08	1.14E-08	7.45E-05	2.35E-08	9.98E-09
544	489578.13, 3861408.47	6.95E-05	2.19E-08	9.31E-09	8.51E-05	2.69E-08	1.14E-08	7.47E-05	2.36E-08	1.00E-08
545	489628.13, 3861408.47	6.98E-05	2.20E-08	9.34E-09	8.54E-05	2.70E-08	1.14E-08	7.49E-05	2.36E-08	1.00E-08
546	489678.13, 3861408.47	6.98E-05	2.20E-08	9.35E-09	8.55E-05	2.70E-08	1.15E-08	7.50E-05	2.37E-08	1.00E-08
547	489728.13, 3861408.47	6.98E-05	2.20E-08	9.35E-09	8.55E-05	2.70E-08	1.15E-08	7.50E-05	2.37E-08	1.00E-08
548	489528.13, 3861458.47	6.81E-05	2.15E-08	9.12E-09	8.34E-05	2.63E-08	1.12E-08	7.32E-05	2.31E-08	9.80E-09
549	489578.13, 3861458.47	6.83E-05	2.15E-08	9.14E-09	8.36E-05	2.64E-08	1.12E-08	7.33E-05	2.31E-08	9.82E-09
550	489628.13, 3861458.47	6.84E-05	2.16E-08	9.16E-09	8.38E-05	2.64E-08	1.12E-08	7.34E-05	2.32E-08	9.84E-09
551	489678.13, 3861458.47	6.85E-05	2.16E-08	9.17E-09	8.38E-05	2.65E-08	1.12E-08	7.35E-05	2.32E-08	9.85E-09
552	489728.13, 3861458.47	6.84E-05	2.16E-08	9.16E-09	8.38E-05	2.65E-08	1.12E-08	7.35E-05	2.32E-08	9.84E-09
553	489528.13, 3861508.47	6.69E-05	2.11E-08	8.95E-09	8.19E-05	2.58E-08	1.10E-08	7.18E-05	2.27E-08	9.62E-09
554	489578.13, 3861508.47	6.70E-05	2.11E-08	8.97E-09	8.20E-05	2.59E-08	1.10E-08	7.19E-05	2.27E-08	9.63E-09
555	489628.13, 3861508.47	6.70E-05	2.12E-08	8.98E-09	8.21E-05	2.59E-08	1.10E-08	7.20E-05	2.27E-08	9.64E-09
556	489678.13, 3861508.47	6.71E-05	2.12E-08	8.98E-09	8.22E-05	2.59E-08	1.10E-08	7.21E-05	2.27E-08	9.65E-09
557	489728.13, 3861508.47	6.71E-05	2.12E-08	8.99E-09	8.22E-05	2.60E-08	1.10E-08	7.21E-05	2.28E-08	9.66E-09
558	489628.13, 3861558.47	6.59E-05	2.08E-08	8.82E-09	8.07E-05	2.55E-08	1.08E-08	7.08E-05	2.23E-08	9.48E-09
559	489678.13, 3861558.47	6.60E-05	2.08E-08	8.84E-09	8.08E-05	2.55E-08	1.08E-08	7.09E-05	2.24E-08	9.49E-09
560	489728.13, 3861558.47	6.61E-05	2.08E-08	8.85E-09	8.09E-05	2.55E-08	1.08E-08	7.09E-05	2.24E-08	9.50E-09
561	489357.08, 3861015.81	8.16E-05	2.58E-08	1.09E-08	9.99E-05	3.15E-08	1.34E-08	8.76E-05	2.77E-08	1.17E-08
562	489407.08, 3861015.81	8.15E-05	2.57E-08	1.09E-08	9.99E-05	3.15E-08	1.34E-08	8.76E-05	2.76E-08	1.17E-08
563	489457.08, 3861015.81	8.16E-05	2.58E-08	1.09E-08	9.99E-05	3.15E-08	1.34E-08	8.76E-05	2.77E-08	1.17E-08
564	489357.08, 3861065.81	7.99E-05	2.52E-08	1.07E-08	9.79E-05	3.09E-08	1.31E-08	8.59E-05	2.71E-08	1.15E-08
565	489407.08, 3861065.81	7.99E-05	2.52E-08	1.07E-08	9.78E-05	3.09E-08	1.31E-08	8.58E-05	2.71E-08	1.15E-08
566	489457.08, 3861065.81	7.99E-05	2.52E-08	1.07E-08	9.79E-05	3.09E-08	1.31E-08	8.59E-05	2.71E-08	1.15E-08
567	489357.08, 3861115.81	7.83E-05	2.47E-08	1.05E-08	9.59E-05	3.03E-08	1.28E-08	8.41E-05	2.65E-08	1.13E-08
568	489407.08, 3861115.81	7.84E-05	2.47E-08	1.05E-08	9.60E-05	3.03E-08	1.29E-08	8.42E-05	2.66E-08	1.13E-08
569	489457.08, 3861115.81	7.85E-05	2.48E-08	1.05E-08	9.61E-05	3.03E-08	1.29E-08	8.43E-05	2.66E-08	1.13E-08
570	489407.08, 3861165.81	7.69E-05	2.43E-08	1.03E-08	9.42E-05	2.97E-08	1.26E-08	8.26E-05	2.61E-08	1.11E-08
571	489457.08, 3861165.81	7.69E-05	2.43E-08	1.03E-08	9.42E-05	2.97E-08	1.26E-08	8.26E-05	2.61E-08	1.11E-08
572	489407.08, 3861215.81	7.50E-05	2.37E-08	1.00E-08	9.19E-05	2.90E-08	1.23E-08	8.06E-05	2.54E-08	1.08E-08

573	489457.08, 3861215.81	7.51E-05	2.37E-08	1.01E-08	9.19E-05	2.90E-08	1.23E-08	8.06E-05	2.54E-08	1.08E-08
574	489407.08, 3861265.81	7.31E-05	2.31E-08	9.79E-09	8.96E-05	2.83E-08	1.20E-08	7.86E-05	2.48E-08	1.05E-08
575	489457.08, 3861265.81	7.33E-05	2.31E-08	9.82E-09	8.98E-05	2.83E-08	1.20E-08	7.87E-05	2.49E-08	1.05E-08
576	489309.86, 3861110.14	7.83E-05	2.47E-08	1.05E-08	9.59E-05	3.03E-08	1.28E-08	8.41E-05	2.65E-08	1.13E-08
577	489407.08, 3861315.81	7.17E-05	2.26E-08	9.60E-09	8.78E-05	2.77E-08	1.18E-08	7.70E-05	2.43E-08	1.03E-08
578	489457.08, 3861315.81	7.19E-05	2.27E-08	9.62E-09	8.80E-05	2.78E-08	1.18E-08	7.72E-05	2.44E-08	1.03E-08
579	488906.03, 3861006.75	8.15E-05	2.57E-08	1.09E-08	9.99E-05	3.15E-08	1.34E-08	8.76E-05	2.76E-08	1.17E-08
580	488956.03, 3861006.75	8.19E-05	2.58E-08	1.10E-08	1.00E-04	3.16E-08	1.34E-08	8.79E-05	2.78E-08	1.18E-08
581	488904.24, 3861051.87	8.12E-05	2.56E-08	1.09E-08	9.95E-05	3.14E-08	1.33E-08	8.72E-05	2.75E-08	1.17E-08
582	488954.24, 3861051.87	8.07E-05	2.55E-08	1.08E-08	9.89E-05	3.12E-08	1.32E-08	8.67E-05	2.74E-08	1.16E-08
583	489004.24, 3861051.87	8.12E-05	2.56E-08	1.09E-08	9.94E-05	3.14E-08	1.33E-08	8.72E-05	2.75E-08	1.17E-08
584	488804.24, 3861101.87	7.89E-05	2.49E-08	1.06E-08	9.66E-05	3.05E-08	1.29E-08	8.47E-05	2.67E-08	1.13E-08
585	488854.24, 3861101.87	7.91E-05	2.50E-08	1.06E-08	9.69E-05	3.06E-08	1.30E-08	8.50E-05	2.68E-08	1.14E-08
586	488904.24, 3861101.87	7.82E-05	2.47E-08	1.05E-08	9.58E-05	3.02E-08	1.28E-08	8.40E-05	2.65E-08	1.12E-08
587	488954.24, 3861101.87	7.79E-05	2.46E-08	1.04E-08	9.55E-05	3.01E-08	1.28E-08	8.37E-05	2.64E-08	1.12E-08
588	489004.24, 3861101.87	7.81E-05	2.46E-08	1.05E-08	9.56E-05	3.02E-08	1.28E-08	8.38E-05	2.65E-08	1.12E-08
589	488804.24, 3861151.87	7.61E-05	2.40E-08	1.02E-08	9.32E-05	2.94E-08	1.25E-08	8.17E-05	2.58E-08	1.09E-08
590	488854.24, 3861151.87	7.59E-05	2.40E-08	1.02E-08	9.30E-05	2.93E-08	1.24E-08	8.15E-05	2.57E-08	1.09E-08
591	489129.49, 3861187.55	7.50E-05	2.37E-08	1.00E-08	9.19E-05	2.90E-08	1.23E-08	8.06E-05	2.54E-08	1.08E-08
592	489179.49, 3861187.55	7.51E-05	2.37E-08	1.01E-08	9.20E-05	2.90E-08	1.23E-08	8.07E-05	2.55E-08	1.08E-08
593	488804.24, 3861201.87	7.46E-05	2.35E-08	9.99E-09	9.13E-05	2.88E-08	1.22E-08	8.01E-05	2.53E-08	1.07E-08
594	488854.24, 3861201.87	7.42E-05	2.34E-08	9.93E-09	9.09E-05	2.87E-08	1.22E-08	7.97E-05	2.52E-08	1.07E-08
595	489129.49, 3861237.55	7.37E-05	2.33E-08	9.87E-09	9.02E-05	2.85E-08	1.21E-08	7.92E-05	2.50E-08	1.06E-08
596	489179.49, 3861237.55	7.36E-05	2.32E-08	9.86E-09	9.01E-05	2.84E-08	1.21E-08	7.91E-05	2.50E-08	1.06E-08
597	488804.24, 3861251.87	7.32E-05	2.31E-08	9.80E-09	8.97E-05	2.83E-08	1.20E-08	7.86E-05	2.48E-08	1.05E-08
598	488854.24, 3861251.87	7.28E-05	2.30E-08	9.75E-09	8.91E-05	2.81E-08	1.19E-08	7.82E-05	2.47E-08	1.05E-08
599	488804.24, 3861301.87	7.17E-05	2.26E-08	9.60E-09	8.78E-05	2.77E-08	1.18E-08	7.70E-05	2.43E-08	1.03E-08
600	488854.24, 3861301.87	7.14E-05	2.25E-08	9.56E-09	8.75E-05	2.76E-08	1.17E-08	7.67E-05	2.42E-08	1.03E-08
601	490943.5, 3860181.97	1.19E-04	3.74E-08	1.59E-08	1.45E-04	4.59E-08	1.95E-08	1.27E-04	4.02E-08	1.71E-08
602	490993.5, 3860181.97	1.18E-04	3.74E-08	1.58E-08	1.45E-04	4.57E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
603	491043.5, 3860181.97	1.18E-04	3.73E-08	1.58E-08	1.45E-04	4.57E-08	1.94E-08	1.27E-04	4.00E-08	1.70E-08
604	491093.5, 3860181.97	1.18E-04	3.72E-08	1.58E-08	1.44E-04	4.55E-08	1.93E-08	1.27E-04	3.99E-08	1.69E-08
605	490943.5, 3860231.97	1.16E-04	3.65E-08	1.55E-08	1.41E-04	4.47E-08	1.89E-08	1.24E-04	3.92E-08	1.66E-08
606	490993.5, 3860231.97	1.15E-04	3.64E-08	1.55E-08	1.41E-04	4.46E-08	1.89E-08	1.24E-04	3.91E-08	1.66E-08
607	491043.5, 3860231.97	1.15E-04	3.63E-08	1.54E-08	1.41E-04	4.44E-08	1.88E-08	1.23E-04	3.90E-08	1.65E-08
608	491093.5, 3860231.97	1.14E-04	3.61E-08	1.53E-08	1.40E-04	4.43E-08	1.88E-08	1.23E-04	3.88E-08	1.65E-08
609	490943.5, 3860281.97	1.13E-04	3.56E-08	1.51E-08	1.38E-04	4.36E-08	1.85E-08	1.21E-04	3.82E-08	1.62E-08
610	490993.5, 3860281.97	1.12E-04	3.55E-08	1.51E-08	1.38E-04	4.35E-08	1.84E-08	1.21E-04	3.81E-08	1.62E-08
611	491043.5, 3860281.97	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.33E-08	1.84E-08	1.20E-04	3.80E-08	1.61E-08
612	491093.5, 3860281.97	1.12E-04	3.52E-08	1.49E-08	1.37E-04	4.31E-08	1.83E-08	1.20E-04	3.78E-08	1.60E-08
613	490943.5, 3860331.97	1.10E-04	3.48E-08	1.47E-08	1.35E-04	4.26E-08	1.81E-08	1.18E-04	3.73E-08	1.58E-08
614	490993.5, 3860331.97	1.10E-04	3.46E-08	1.47E-08	1.34E-04	4.24E-08	1.80E-08	1.18E-04	3.71E-08	1.58E-08
615	491043.5, 3860331.97	1.09E-04	3.44E-08	1.46E-08	1.34E-04	4.22E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
616	491093.5, 3860331.97	1.09E-04	3.43E-08	1.45E-08	1.33E-04	4.20E-08	1.78E-08	1.17E-04	3.68E-08	1.56E-08
617	490086.72, 3859935.12	1.48E-04	4.67E-08	1.98E-08	1.81E-04	5.72E-08	2.43E-08	1.59E-04	5.02E-08	2.13E-08
618	490136.72, 3859935.12	1.47E-04	4.64E-08	1.97E-08	1.80E-04	5.68E-08	2.41E-08	1.58E-04	4.99E-08	2.12E-08
619	490186.72, 3859935.12	1.46E-04	4.61E-08	1.96E-08	1.79E-04	5.64E-08	2.39E-08	1.57E-04	4.95E-08	2.10E-08
620	490236.72, 3859935.12	1.45E-04	4.58E-08	1.94E-08	1.78E-04	5.61E-08	2.38E-08	1.56E-04	4.92E-08	2.09E-08
621	490286.72, 3859935.12	1.44E-04	4.55E-08	1.93E-08	1.76E-04	5.57E-08	2.36E-08	1.55E-04	4.88E-08	2.07E-08
622	490336.72, 3859935.12	1.43E-04	4.52E-08	1.92E-08	1.75E-04	5.53E-08	2.35E-08	1.54E-04	4.85E-08	2.06E-08
623	490386.72, 3859935.12	1.42E-04	4.49E-08	1.91E-08	1.74E-04	5.50E-08	2.34E-08	1.53E-04	4.83E-08	2.05E-08
624	490436.72, 3859935.12	1.42E-04	4.47E-08	1.90E-08	1.74E-04	5.48E-08	2.32E-08	1.52E-04	4.80E-08	2.04E-08
625	490486.72, 3859935.12	1.41E-04	4.46E-08	1.89E-08	1.73E-04	5.46E-08	2.32E-08	1.52E-04	4.79E-08	2.03E-08
626	490536.72, 3859935.12	1.41E-04	4.46E-08	1.89E-08	1.73E-04	5.46E-08	2.32E-08	1.52E-04	4.79E-08	2.03E-08
627	490586.72, 3859935.12	1.41E-04	4.46E-08	1.89E-08	1.73E-04	5.46E-08	2.32E-08	1.52E-04	4.79E-08	2.03E-08
628	490636.72, 3859935.12	1.41E-04	4.46E-08	1.89E-08	1.73E-04	5.46E-08	2.32E-08	1.52E-04	4.79E-08	2.03E-08
629	490686.72, 3859935.12	1.42E-04	4.47E-08	1.90E-08	1.74E-04	5.48E-08	2.32E-08	1.52E-04	4.80E-08	2.04E-08
630	490736.72, 3859935.12	1.42E-04	4.48E-08	1.90E-08	1.74E-04	5.48E-08	2.33E-08	1.52E-04	4.81E-08	2.04E-08
631	490086.72, 3859985.12	1.44E-04	4.55E-08	1.93E-08	1.77E-04	5.58E-08	2.37E-08	1.55E-04	4.89E-08	2.08E-08
632	490136.72, 3859985.12	1.43E-04	4.52E-08	1.92E-08	1.75E-04	5.54E-08	2.35E-08	1.54E-04	4.86E-08	2.06E-08
633	490186.72, 3859985.12	1.42E-04	4.49E-08	1.91E-08	1.74E-04	5.50E-08	2.34E-08	1.53E-04	4.83E-08	2.05E-08
634	490236.72, 3859985.12	1.42E-04	4.47E-08	1.90E-08	1.73E-04	5.47E-08	2.32E-08	1.52E-04	4.80E-08	2.04E-08
635	490286.72, 3859985.12	1.41E-04	4.44E-08	1.88E-08	1.72E-04	5.43E-08	2.30E-08	1.51E-04	4.76E-08	2.02E-08
636	490336.72, 3859985.12	1.40E-04	4.40E-08	1.87E-08	1.71E-04	5.39E-08	2.29E-08	1.50E-04	4.73E-08	2.01E-08

637	490386.72, 3859985.12	1.38E-04	4.37E-08	1.85E-08	1.70E-04	5.35E-08	2.27E-08	1.49E-04	4.69E-08	1.99E-08
638	490436.72, 3859985.12	1.38E-04	4.34E-08	1.84E-08	1.69E-04	5.32E-08	2.26E-08	1.48E-04	4.67E-08	1.98E-08
639	490486.72, 3859985.12	1.37E-04	4.32E-08	1.83E-08	1.68E-04	5.30E-08	2.25E-08	1.47E-04	4.64E-08	1.97E-08
640	490536.72, 3859985.12	1.37E-04	4.31E-08	1.83E-08	1.67E-04	5.28E-08	2.24E-08	1.47E-04	4.63E-08	1.97E-08
641	490586.72, 3859985.12	1.36E-04	4.31E-08	1.83E-08	1.67E-04	5.28E-08	2.24E-08	1.47E-04	4.63E-08	1.96E-08
642	490636.72, 3859985.12	1.37E-04	4.31E-08	1.83E-08	1.67E-04	5.28E-08	2.24E-08	1.47E-04	4.63E-08	1.96E-08
643	490686.72, 3859985.12	1.37E-04	4.32E-08	1.83E-08	1.68E-04	5.29E-08	2.25E-08	1.47E-04	4.64E-08	1.97E-08
644	490736.72, 3859985.12	1.37E-04	4.32E-08	1.83E-08	1.68E-04	5.29E-08	2.24E-08	1.47E-04	4.64E-08	1.97E-08
645	490786.72, 3859985.12	1.37E-04	4.31E-08	1.83E-08	1.67E-04	5.29E-08	2.24E-08	1.47E-04	4.63E-08	1.97E-08
646	490086.72, 3860035.12	1.41E-04	4.44E-08	1.88E-08	1.72E-04	5.43E-08	2.30E-08	1.51E-04	4.76E-08	2.02E-08
647	490136.72, 3860035.12	1.40E-04	4.41E-08	1.87E-08	1.71E-04	5.40E-08	2.29E-08	1.50E-04	4.74E-08	2.01E-08
648	490186.72, 3860035.12	1.39E-04	4.38E-08	1.86E-08	1.70E-04	5.37E-08	2.28E-08	1.49E-04	4.71E-08	2.00E-08
649	490236.72, 3860035.12	1.38E-04	4.35E-08	1.85E-08	1.69E-04	5.33E-08	2.26E-08	1.48E-04	4.68E-08	1.98E-08
650	490286.72, 3860035.12	1.37E-04	4.32E-08	1.83E-08	1.68E-04	5.29E-08	2.25E-08	1.47E-04	4.64E-08	1.97E-08
651	490336.72, 3860035.12	1.36E-04	4.30E-08	1.82E-08	1.67E-04	5.26E-08	2.23E-08	1.46E-04	4.62E-08	1.96E-08
652	490386.72, 3860035.12	1.35E-04	4.26E-08	1.81E-08	1.65E-04	5.22E-08	2.21E-08	1.45E-04	4.58E-08	1.94E-08
653	490436.72, 3860035.12	1.34E-04	4.23E-08	1.80E-08	1.64E-04	5.18E-08	2.20E-08	1.44E-04	4.55E-08	1.93E-08
654	490486.72, 3860035.12	1.33E-04	4.21E-08	1.79E-08	1.63E-04	5.15E-08	2.19E-08	1.43E-04	4.52E-08	1.92E-08
655	490536.72, 3860035.12	1.33E-04	4.19E-08	1.78E-08	1.63E-04	5.13E-08	2.18E-08	1.43E-04	4.50E-08	1.91E-08
656	490586.72, 3860035.12	1.32E-04	4.18E-08	1.77E-08	1.62E-04	5.11E-08	2.17E-08	1.42E-04	4.48E-08	1.90E-08
657	490636.72, 3860035.12	1.32E-04	4.16E-08	1.76E-08	1.61E-04	5.09E-08	2.16E-08	1.42E-04	4.47E-08	1.90E-08
658	490686.72, 3860035.12	1.32E-04	4.16E-08	1.76E-08	1.61E-04	5.09E-08	2.16E-08	1.41E-04	4.46E-08	1.89E-08
659	490736.72, 3860035.12	1.32E-04	4.17E-08	1.77E-08	1.62E-04	5.11E-08	2.17E-08	1.42E-04	4.48E-08	1.90E-08
660	490786.72, 3860035.12	1.32E-04	4.16E-08	1.77E-08	1.62E-04	5.10E-08	2.16E-08	1.42E-04	4.47E-08	1.90E-08
661	490836.72, 3860035.12	1.32E-04	4.16E-08	1.76E-08	1.61E-04	5.09E-08	2.16E-08	1.42E-04	4.47E-08	1.90E-08
662	490086.72, 3860085.12	1.37E-04	4.33E-08	1.84E-08	1.68E-04	5.31E-08	2.25E-08	1.48E-04	4.66E-08	1.98E-08
663	490136.72, 3860085.12	1.36E-04	4.30E-08	1.82E-08	1.67E-04	5.26E-08	2.23E-08	1.46E-04	4.62E-08	1.96E-08
664	490186.72, 3860085.12	1.36E-04	4.28E-08	1.82E-08	1.66E-04	5.24E-08	2.22E-08	1.46E-04	4.60E-08	1.95E-08
665	490236.72, 3860085.12	1.35E-04	4.25E-08	1.80E-08	1.65E-04	5.21E-08	2.21E-08	1.45E-04	4.57E-08	1.94E-08
666	490286.72, 3860085.12	1.34E-04	4.22E-08	1.79E-08	1.64E-04	5.17E-08	2.20E-08	1.44E-04	4.54E-08	1.92E-08
667	490336.72, 3860085.12	1.33E-04	4.19E-08	1.78E-08	1.63E-04	5.13E-08	2.18E-08	1.43E-04	4.50E-08	1.91E-08
668	490386.72, 3860085.12	1.32E-04	4.16E-08	1.77E-08	1.61E-04	5.10E-08	2.16E-08	1.42E-04	4.47E-08	1.90E-08
669	490436.72, 3860085.12	1.31E-04	4.13E-08	1.75E-08	1.60E-04	5.06E-08	2.15E-08	1.41E-04	4.44E-08	1.88E-08
670	490486.72, 3860085.12	1.30E-04	4.10E-08	1.74E-08	1.59E-04	5.02E-08	2.13E-08	1.40E-04	4.40E-08	1.87E-08
671	490536.72, 3860085.12	1.29E-04	4.08E-08	1.73E-08	1.58E-04	5.00E-08	2.12E-08	1.39E-04	4.38E-08	1.86E-08
672	490586.72, 3860085.12	1.29E-04	4.06E-08	1.72E-08	1.58E-04	4.97E-08	2.11E-08	1.38E-04	4.36E-08	1.85E-08
673	490636.72, 3860085.12	1.28E-04	4.04E-08	1.71E-08	1.57E-04	4.95E-08	2.10E-08	1.37E-04	4.34E-08	1.84E-08
674	490686.72, 3860085.12	1.28E-04	4.03E-08	1.71E-08	1.56E-04	4.94E-08	2.09E-08	1.37E-04	4.33E-08	1.84E-08
675	490736.72, 3860085.12	1.28E-04	4.03E-08	1.71E-08	1.56E-04	4.93E-08	2.09E-08	1.37E-04	4.32E-08	1.84E-08
676	490786.72, 3860085.12	1.28E-04	4.03E-08	1.71E-08	1.56E-04	4.93E-08	2.09E-08	1.37E-04	4.32E-08	1.83E-08
677	490836.72, 3860085.12	1.27E-04	4.02E-08	1.70E-08	1.56E-04	4.92E-08	2.09E-08	1.37E-04	4.31E-08	1.83E-08
678	490086.72, 3860135.12	1.33E-04	4.19E-08	1.78E-08	1.63E-04	5.14E-08	2.18E-08	1.43E-04	4.51E-08	1.91E-08
679	490136.72, 3860135.12	1.33E-04	4.18E-08	1.78E-08	1.62E-04	5.13E-08	2.17E-08	1.42E-04	4.49E-08	1.91E-08
680	490186.72, 3860135.12	1.32E-04	4.17E-08	1.77E-08	1.62E-04	5.11E-08	2.17E-08	1.42E-04	4.48E-08	1.90E-08
681	490236.72, 3860135.12	1.31E-04	4.15E-08	1.76E-08	1.61E-04	5.08E-08	2.16E-08	1.41E-04	4.45E-08	1.89E-08
682	490286.72, 3860135.12	1.31E-04	4.12E-08	1.75E-08	1.60E-04	5.05E-08	2.14E-08	1.40E-04	4.43E-08	1.88E-08
683	490336.72, 3860135.12	1.30E-04	4.10E-08	1.74E-08	1.59E-04	5.02E-08	2.13E-08	1.39E-04	4.40E-08	1.87E-08
684	490386.72, 3860135.12	1.29E-04	4.07E-08	1.73E-08	1.58E-04	4.98E-08	2.11E-08	1.38E-04	4.37E-08	1.85E-08
685	490436.72, 3860135.12	1.28E-04	4.03E-08	1.71E-08	1.57E-04	4.94E-08	2.10E-08	1.37E-04	4.33E-08	1.84E-08
686	490486.72, 3860135.12	1.27E-04	4.01E-08	1.70E-08	1.55E-04	4.91E-08	2.08E-08	1.36E-04	4.30E-08	1.83E-08
687	490536.72, 3860135.12	1.26E-04	3.98E-08	1.69E-08	1.55E-04	4.88E-08	2.07E-08	1.36E-04	4.28E-08	1.81E-08
688	490586.72, 3860135.12	1.25E-04	3.96E-08	1.68E-08	1.54E-04	4.85E-08	2.06E-08	1.35E-04	4.25E-08	1.80E-08
689	490636.72, 3860135.12	1.25E-04	3.94E-08	1.67E-08	1.53E-04	4.82E-08	2.05E-08	1.34E-04	4.23E-08	1.79E-08
690	490686.72, 3860135.12	1.24E-04	3.92E-08	1.66E-08	1.52E-04	4.80E-08	2.04E-08	1.33E-04	4.21E-08	1.78E-08
691	490736.72, 3860135.12	1.24E-04	3.90E-08	1.66E-08	1.51E-04	4.78E-08	2.03E-08	1.33E-04	4.19E-08	1.78E-08
692	490786.72, 3860135.12	1.24E-04	3.90E-08	1.65E-08	1.51E-04	4.78E-08	2.03E-08	1.33E-04	4.19E-08	1.78E-08
693	490836.72, 3860135.12	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.76E-08	2.02E-08	1.32E-04	4.17E-08	1.77E-08
694	490086.72, 3860185.12	1.29E-04	4.07E-08	1.73E-08	1.58E-04	4.99E-08	2.12E-08	1.39E-04	4.38E-08	1.86E-08
695	490136.72, 3860185.12	1.29E-04	4.07E-08	1.73E-08	1.58E-04	4.99E-08	2.12E-08	1.39E-04	4.37E-08	1.86E-08
696	490186.72, 3860185.12	1.29E-04	4.06E-08	1.72E-08	1.58E-04	4.98E-08	2.11E-08	1.38E-04	4.36E-08	1.85E-08
697	490236.72, 3860185.12	1.28E-04	4.05E-08	1.72E-08	1.57E-04	4.95E-08	2.10E-08	1.38E-04	4.34E-08	1.84E-08
698	490286.72, 3860185.12	1.28E-04	4.02E-08	1.71E-08	1.56E-04	4.93E-08	2.09E-08	1.37E-04	4.32E-08	1.83E-08
699	490336.72, 3860185.12	1.27E-04	4.00E-08	1.70E-08	1.55E-04	4.90E-08	2.08E-08	1.36E-04	4.30E-08	1.82E-08
700	490386.72, 3860185.12	1.26E-04	3.97E-08	1.69E-08	1.54E-04	4.87E-08	2.07E-08	1.35E-04	4.27E-08	1.81E-08

701	490436.72, 3860185.12	1.25E-04	3.95E-08	1.67E-08	1.53E-04	4.83E-08	2.05E-08	1.34E-04	4.24E-08	1.80E-08
702	490486.72, 3860185.12	1.24E-04	3.92E-08	1.66E-08	1.52E-04	4.80E-08	2.04E-08	1.33E-04	4.21E-08	1.78E-08
703	490536.72, 3860185.12	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.77E-08	2.02E-08	1.32E-04	4.18E-08	1.77E-08
704	490586.72, 3860185.12	1.23E-04	3.87E-08	1.64E-08	1.50E-04	4.74E-08	2.01E-08	1.32E-04	4.16E-08	1.76E-08
705	490636.72, 3860185.12	1.22E-04	3.84E-08	1.63E-08	1.49E-04	4.71E-08	2.00E-08	1.31E-04	4.13E-08	1.75E-08
706	490686.72, 3860185.12	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.68E-08	1.99E-08	1.30E-04	4.11E-08	1.74E-08
707	490736.72, 3860185.12	1.20E-04	3.80E-08	1.61E-08	1.47E-04	4.65E-08	1.97E-08	1.29E-04	4.08E-08	1.73E-08
708	490786.72, 3860185.12	1.20E-04	3.79E-08	1.61E-08	1.47E-04	4.64E-08	1.97E-08	1.29E-04	4.07E-08	1.73E-08
709	490836.72, 3860185.12	1.20E-04	3.77E-08	1.60E-08	1.46E-04	4.62E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
710	490086.72, 3860235.12	1.26E-04	3.96E-08	1.68E-08	1.54E-04	4.85E-08	2.06E-08	1.35E-04	4.25E-08	1.81E-08
711	490136.72, 3860235.12	1.25E-04	3.96E-08	1.68E-08	1.54E-04	4.85E-08	2.06E-08	1.35E-04	4.25E-08	1.80E-08
712	490186.72, 3860235.12	1.25E-04	3.96E-08	1.68E-08	1.54E-04	4.84E-08	2.06E-08	1.35E-04	4.25E-08	1.80E-08
713	490236.72, 3860235.12	1.25E-04	3.94E-08	1.67E-08	1.53E-04	4.83E-08	2.05E-08	1.34E-04	4.24E-08	1.80E-08
714	490286.72, 3860235.12	1.24E-04	3.93E-08	1.67E-08	1.52E-04	4.81E-08	2.04E-08	1.34E-04	4.22E-08	1.79E-08
715	490336.72, 3860235.12	1.24E-04	3.91E-08	1.66E-08	1.52E-04	4.79E-08	2.03E-08	1.33E-04	4.20E-08	1.78E-08
716	490386.72, 3860235.12	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.76E-08	2.02E-08	1.32E-04	4.17E-08	1.77E-08
717	490436.72, 3860235.12	1.22E-04	3.86E-08	1.64E-08	1.50E-04	4.73E-08	2.01E-08	1.31E-04	4.15E-08	1.76E-08
718	490486.72, 3860235.12	1.22E-04	3.83E-08	1.63E-08	1.49E-04	4.70E-08	1.99E-08	1.30E-04	4.12E-08	1.75E-08
719	490536.72, 3860235.12	1.21E-04	3.81E-08	1.62E-08	1.48E-04	4.67E-08	1.98E-08	1.30E-04	4.09E-08	1.74E-08
720	490586.72, 3860235.12	1.20E-04	3.78E-08	1.61E-08	1.47E-04	4.64E-08	1.97E-08	1.29E-04	4.06E-08	1.72E-08
721	490636.72, 3860235.12	1.19E-04	3.76E-08	1.60E-08	1.46E-04	4.61E-08	1.95E-08	1.28E-04	4.04E-08	1.71E-08
722	490686.72, 3860235.12	1.18E-04	3.74E-08	1.59E-08	1.45E-04	4.58E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
723	490736.72, 3860235.12	1.18E-04	3.71E-08	1.58E-08	1.44E-04	4.55E-08	1.93E-08	1.26E-04	3.99E-08	1.69E-08
724	490786.72, 3860235.12	1.17E-04	3.69E-08	1.57E-08	1.43E-04	4.52E-08	1.92E-08	1.26E-04	3.97E-08	1.68E-08
725	490086.72, 3860285.12	1.22E-04	3.85E-08	1.63E-08	1.49E-04	4.71E-08	2.00E-08	1.31E-04	4.13E-08	1.75E-08
726	490136.72, 3860285.12	1.22E-04	3.85E-08	1.63E-08	1.49E-04	4.72E-08	2.00E-08	1.31E-04	4.14E-08	1.75E-08
727	490186.72, 3860285.12	1.22E-04	3.85E-08	1.63E-08	1.49E-04	4.71E-08	2.00E-08	1.31E-04	4.13E-08	1.75E-08
728	490236.72, 3860285.12	1.22E-04	3.84E-08	1.63E-08	1.49E-04	4.71E-08	2.00E-08	1.31E-04	4.13E-08	1.75E-08
729	490286.72, 3860285.12	1.21E-04	3.83E-08	1.63E-08	1.49E-04	4.69E-08	1.99E-08	1.30E-04	4.11E-08	1.75E-08
730	490336.72, 3860285.12	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.67E-08	1.98E-08	1.30E-04	4.10E-08	1.74E-08
731	490386.72, 3860285.12	1.20E-04	3.80E-08	1.61E-08	1.47E-04	4.65E-08	1.97E-08	1.29E-04	4.08E-08	1.73E-08
732	490436.72, 3860285.12	1.20E-04	3.78E-08	1.60E-08	1.47E-04	4.63E-08	1.96E-08	1.29E-04	4.06E-08	1.72E-08
733	490486.72, 3860285.12	1.19E-04	3.75E-08	1.59E-08	1.46E-04	4.60E-08	1.95E-08	1.28E-04	4.03E-08	1.71E-08
734	490536.72, 3860285.12	1.18E-04	3.73E-08	1.58E-08	1.45E-04	4.57E-08	1.94E-08	1.27E-04	4.00E-08	1.70E-08
735	490586.72, 3860285.12	1.17E-04	3.70E-08	1.57E-08	1.44E-04	4.54E-08	1.92E-08	1.26E-04	3.98E-08	1.69E-08
736	490636.72, 3860285.12	1.17E-04	3.68E-08	1.56E-08	1.43E-04	4.51E-08	1.91E-08	1.25E-04	3.95E-08	1.68E-08
737	490686.72, 3860285.12	1.16E-04	3.66E-08	1.55E-08	1.42E-04	4.48E-08	1.90E-08	1.24E-04	3.93E-08	1.67E-08
738	490736.72, 3860285.12	1.15E-04	3.63E-08	1.54E-08	1.41E-04	4.45E-08	1.89E-08	1.24E-04	3.90E-08	1.66E-08
739	490786.72, 3860285.12	1.14E-04	3.61E-08	1.53E-08	1.40E-04	4.43E-08	1.88E-08	1.23E-04	3.88E-08	1.65E-08
740	490086.72, 3860335.12	1.18E-04	3.74E-08	1.59E-08	1.45E-04	4.58E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
741	490136.72, 3860335.12	1.19E-04	3.74E-08	1.59E-08	1.45E-04	4.59E-08	1.95E-08	1.27E-04	4.02E-08	1.71E-08
742	490186.72, 3860335.12	1.19E-04	3.74E-08	1.59E-08	1.45E-04	4.59E-08	1.95E-08	1.27E-04	4.02E-08	1.71E-08
743	490236.72, 3860335.12	1.19E-04	3.74E-08	1.59E-08	1.45E-04	4.59E-08	1.95E-08	1.27E-04	4.02E-08	1.71E-08
744	490286.72, 3860335.12	1.18E-04	3.74E-08	1.59E-08	1.45E-04	4.58E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
745	490336.72, 3860335.12	1.18E-04	3.72E-08	1.58E-08	1.45E-04	4.56E-08	1.94E-08	1.27E-04	4.00E-08	1.70E-08
746	490386.72, 3860335.12	1.18E-04	3.71E-08	1.57E-08	1.44E-04	4.54E-08	1.93E-08	1.26E-04	3.99E-08	1.69E-08
747	490436.72, 3860335.12	1.17E-04	3.69E-08	1.57E-08	1.43E-04	4.52E-08	1.92E-08	1.26E-04	3.97E-08	1.68E-08
748	490486.72, 3860335.12	1.16E-04	3.67E-08	1.56E-08	1.43E-04	4.50E-08	1.91E-08	1.25E-04	3.95E-08	1.67E-08
749	490536.72, 3860335.12	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.48E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
750	490586.72, 3860335.12	1.15E-04	3.63E-08	1.54E-08	1.41E-04	4.44E-08	1.89E-08	1.23E-04	3.90E-08	1.65E-08
751	490636.72, 3860335.12	1.14E-04	3.61E-08	1.53E-08	1.40E-04	4.42E-08	1.87E-08	1.23E-04	3.87E-08	1.64E-08
752	490686.72, 3860335.12	1.14E-04	3.58E-08	1.52E-08	1.39E-04	4.39E-08	1.86E-08	1.22E-04	3.85E-08	1.63E-08
753	490736.72, 3860335.12	1.13E-04	3.56E-08	1.51E-08	1.38E-04	4.36E-08	1.85E-08	1.21E-04	3.82E-08	1.62E-08
754	490786.72, 3860335.12	1.12E-04	3.54E-08	1.50E-08	1.37E-04	4.34E-08	1.84E-08	1.20E-04	3.80E-08	1.61E-08
755	490086.72, 3860385.12	1.15E-04	3.63E-08	1.54E-08	1.41E-04	4.45E-08	1.89E-08	1.24E-04	3.90E-08	1.66E-08
756	490136.72, 3860385.12	1.15E-04	3.64E-08	1.54E-08	1.41E-04	4.46E-08	1.89E-08	1.24E-04	3.91E-08	1.66E-08
757	490186.72, 3860385.12	1.15E-04	3.64E-08	1.54E-08	1.41E-04	4.46E-08	1.89E-08	1.24E-04	3.91E-08	1.66E-08
758	490236.72, 3860385.12	1.15E-04	3.64E-08	1.55E-08	1.41E-04	4.46E-08	1.89E-08	1.24E-04	3.91E-08	1.66E-08
759	490286.72, 3860385.12	1.15E-04	3.64E-08	1.54E-08	1.41E-04	4.46E-08	1.89E-08	1.24E-04	3.91E-08	1.66E-08
760	490336.72, 3860385.12	1.15E-04	3.63E-08	1.54E-08	1.41E-04	4.45E-08	1.89E-08	1.24E-04	3.90E-08	1.66E-08
761	490386.72, 3860385.12	1.15E-04	3.62E-08	1.54E-08	1.41E-04	4.44E-08	1.88E-08	1.23E-04	3.89E-08	1.65E-08
762	490436.72, 3860385.12	1.14E-04	3.61E-08	1.53E-08	1.40E-04	4.42E-08	1.88E-08	1.23E-04	3.88E-08	1.64E-08
763	490486.72, 3860385.12	1.14E-04	3.60E-08	1.53E-08	1.40E-04	4.40E-08	1.87E-08	1.22E-04	3.86E-08	1.64E-08
764	490536.72, 3860385.12	1.13E-04	3.58E-08	1.52E-08	1.39E-04	4.38E-08	1.86E-08	1.22E-04	3.84E-08	1.63E-08

765	490586.72, 3860385.12	1.13E-04	3.56E-08	1.51E-08	1.38E-04	4.36E-08	1.85E-08	1.21E-04	3.82E-08	1.62E-08
766	490636.72, 3860385.12	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.33E-08	1.84E-08	1.20E-04	3.80E-08	1.61E-08
767	490686.72, 3860385.12	1.11E-04	3.51E-08	1.49E-08	1.36E-04	4.30E-08	1.83E-08	1.20E-04	3.77E-08	1.60E-08
768	490736.72, 3860385.12	1.11E-04	3.49E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.19E-04	3.75E-08	1.59E-08
769	490786.72, 3860385.12	1.10E-04	3.47E-08	1.47E-08	1.35E-04	4.25E-08	1.80E-08	1.18E-04	3.72E-08	1.58E-08
770	490136.72, 3860435.12	1.12E-04	3.54E-08	1.50E-08	1.37E-04	4.33E-08	1.84E-08	1.20E-04	3.80E-08	1.61E-08
771	490186.72, 3860435.12	1.12E-04	3.54E-08	1.50E-08	1.38E-04	4.34E-08	1.84E-08	1.21E-04	3.81E-08	1.61E-08
772	490236.72, 3860435.12	1.12E-04	3.55E-08	1.50E-08	1.38E-04	4.34E-08	1.84E-08	1.21E-04	3.81E-08	1.62E-08
773	490286.72, 3860435.12	1.12E-04	3.54E-08	1.50E-08	1.38E-04	4.34E-08	1.84E-08	1.21E-04	3.81E-08	1.62E-08
774	490336.72, 3860435.12	1.12E-04	3.54E-08	1.50E-08	1.37E-04	4.34E-08	1.84E-08	1.20E-04	3.80E-08	1.61E-08
775	490386.72, 3860435.12	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.33E-08	1.84E-08	1.20E-04	3.80E-08	1.61E-08
776	490436.72, 3860435.12	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.79E-08	1.61E-08
777	490486.72, 3860435.12	1.11E-04	3.51E-08	1.49E-08	1.36E-04	4.30E-08	1.83E-08	1.20E-04	3.77E-08	1.60E-08
778	490536.72, 3860435.12	1.11E-04	3.50E-08	1.49E-08	1.36E-04	4.29E-08	1.82E-08	1.19E-04	3.76E-08	1.60E-08
779	490586.72, 3860435.12	1.10E-04	3.48E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.19E-04	3.74E-08	1.59E-08
780	490636.72, 3860435.12	1.10E-04	3.46E-08	1.47E-08	1.34E-04	4.24E-08	1.80E-08	1.18E-04	3.72E-08	1.58E-08
781	490686.72, 3860435.12	1.09E-04	3.44E-08	1.46E-08	1.34E-04	4.22E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
782	490736.72, 3860435.12	1.08E-04	3.42E-08	1.45E-08	1.33E-04	4.19E-08	1.78E-08	1.16E-04	3.68E-08	1.56E-08
783	490786.72, 3860435.12	1.08E-04	3.40E-08	1.44E-08	1.32E-04	4.17E-08	1.77E-08	1.16E-04	3.65E-08	1.55E-08
784	490136.72, 3860485.12	1.09E-04	3.44E-08	1.46E-08	1.34E-04	4.22E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
785	490186.72, 3860485.12	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.22E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
786	490236.72, 3860485.12	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.23E-08	1.79E-08	1.17E-04	3.71E-08	1.57E-08
787	490286.72, 3860485.12	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.23E-08	1.79E-08	1.17E-04	3.71E-08	1.57E-08
788	490336.72, 3860485.12	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.23E-08	1.79E-08	1.17E-04	3.71E-08	1.57E-08
789	490386.72, 3860485.12	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.22E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
790	490436.72, 3860485.12	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.22E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
791	490486.72, 3860485.12	1.09E-04	3.44E-08	1.46E-08	1.33E-04	4.21E-08	1.79E-08	1.17E-04	3.69E-08	1.57E-08
792	490536.72, 3860485.12	1.08E-04	3.42E-08	1.45E-08	1.33E-04	4.19E-08	1.78E-08	1.16E-04	3.68E-08	1.56E-08
793	490586.72, 3860485.12	1.08E-04	3.41E-08	1.45E-08	1.32E-04	4.17E-08	1.77E-08	1.16E-04	3.66E-08	1.55E-08
794	490636.72, 3860485.12	1.08E-04	3.39E-08	1.44E-08	1.32E-04	4.16E-08	1.76E-08	1.15E-04	3.64E-08	1.55E-08
795	490686.72, 3860485.12	1.07E-04	3.37E-08	1.43E-08	1.31E-04	4.13E-08	1.75E-08	1.15E-04	3.62E-08	1.54E-08
796	490736.72, 3860485.12	1.06E-04	3.36E-08	1.42E-08	1.30E-04	4.11E-08	1.74E-08	1.14E-04	3.60E-08	1.53E-08
797	490786.72, 3860485.12	1.06E-04	3.34E-08	1.42E-08	1.29E-04	4.09E-08	1.73E-08	1.14E-04	3.58E-08	1.52E-08
798	490136.72, 3860535.12	1.06E-04	3.35E-08	1.42E-08	1.30E-04	4.11E-08	1.74E-08	1.14E-04	3.60E-08	1.53E-08
799	490186.72, 3860535.12	1.07E-04	3.36E-08	1.43E-08	1.31E-04	4.12E-08	1.75E-08	1.15E-04	3.61E-08	1.53E-08
800	490236.72, 3860535.12	1.06E-04	3.36E-08	1.43E-08	1.30E-04	4.12E-08	1.75E-08	1.14E-04	3.61E-08	1.53E-08
801	490286.72, 3860535.12	1.06E-04	3.36E-08	1.43E-08	1.30E-04	4.12E-08	1.75E-08	1.14E-04	3.61E-08	1.53E-08
802	490336.72, 3860535.12	1.07E-04	3.36E-08	1.43E-08	1.30E-04	4.12E-08	1.75E-08	1.14E-04	3.61E-08	1.53E-08
803	490386.72, 3860535.12	1.07E-04	3.36E-08	1.43E-08	1.31E-04	4.12E-08	1.75E-08	1.14E-04	3.61E-08	1.53E-08
804	490436.72, 3860535.12	1.07E-04	3.36E-08	1.43E-08	1.31E-04	4.12E-08	1.75E-08	1.14E-04	3.61E-08	1.53E-08
805	490486.72, 3860535.12	1.06E-04	3.36E-08	1.43E-08	1.30E-04	4.12E-08	1.75E-08	1.14E-04	3.61E-08	1.53E-08
806	490536.72, 3860535.12	1.07E-04	3.36E-08	1.43E-08	1.30E-04	4.12E-08	1.75E-08	1.14E-04	3.61E-08	1.53E-08
807	490586.72, 3860535.12	1.06E-04	3.34E-08	1.42E-08	1.30E-04	4.09E-08	1.73E-08	1.14E-04	3.58E-08	1.52E-08
808	490636.72, 3860535.12	1.05E-04	3.32E-08	1.41E-08	1.29E-04	4.07E-08	1.73E-08	1.13E-04	3.57E-08	1.51E-08
809	490686.72, 3860535.12	1.05E-04	3.31E-08	1.40E-08	1.28E-04	4.05E-08	1.72E-08	1.13E-04	3.55E-08	1.51E-08
810	490736.72, 3860535.12	1.04E-04	3.29E-08	1.40E-08	1.28E-04	4.03E-08	1.71E-08	1.12E-04	3.53E-08	1.50E-08
811	490786.72, 3860535.12	1.04E-04	3.27E-08	1.39E-08	1.27E-04	4.01E-08	1.70E-08	1.11E-04	3.52E-08	1.49E-08
812	490136.72, 3860585.12	1.04E-04	3.27E-08	1.39E-08	1.27E-04	4.01E-08	1.70E-08	1.11E-04	3.51E-08	1.49E-08
813	490186.72, 3860585.12	1.03E-04	3.26E-08	1.38E-08	1.26E-04	3.99E-08	1.69E-08	1.11E-04	3.50E-08	1.48E-08
814	490236.72, 3860585.12	1.04E-04	3.27E-08	1.39E-08	1.27E-04	4.00E-08	1.70E-08	1.11E-04	3.51E-08	1.49E-08
815	490286.72, 3860585.12	1.04E-04	3.27E-08	1.39E-08	1.27E-04	4.01E-08	1.70E-08	1.11E-04	3.52E-08	1.49E-08
816	490336.72, 3860585.12	1.04E-04	3.28E-08	1.39E-08	1.27E-04	4.01E-08	1.70E-08	1.12E-04	3.52E-08	1.49E-08
817	490386.72, 3860585.12	1.04E-04	3.28E-08	1.39E-08	1.27E-04	4.01E-08	1.70E-08	1.12E-04	3.52E-08	1.49E-08
818	490436.72, 3860585.12	1.04E-04	3.29E-08	1.40E-08	1.28E-04	4.03E-08	1.71E-08	1.12E-04	3.53E-08	1.50E-08
819	490486.72, 3860585.12	1.04E-04	3.30E-08	1.40E-08	1.28E-04	4.04E-08	1.71E-08	1.12E-04	3.54E-08	1.50E-08
820	490536.72, 3860585.12	1.04E-04	3.29E-08	1.39E-08	1.28E-04	4.02E-08	1.71E-08	1.12E-04	3.53E-08	1.50E-08
821	490586.72, 3860585.12	1.03E-04	3.26E-08	1.38E-08	1.27E-04	3.99E-08	1.69E-08	1.11E-04	3.50E-08	1.49E-08
822	490636.72, 3860585.12	1.03E-04	3.25E-08	1.38E-08	1.26E-04	3.98E-08	1.69E-08	1.11E-04	3.49E-08	1.48E-08
823	490686.72, 3860585.12	1.03E-04	3.24E-08	1.37E-08	1.26E-04	3.97E-08	1.68E-08	1.10E-04	3.48E-08	1.48E-08
824	490736.72, 3860585.12	1.02E-04	3.23E-08	1.37E-08	1.25E-04	3.95E-08	1.68E-08	1.10E-04	3.46E-08	1.47E-08
825	490786.72, 3860585.12	1.02E-04	3.21E-08	1.36E-08	1.25E-04	3.93E-08	1.67E-08	1.09E-04	3.45E-08	1.46E-08
826	490136.72, 3860635.12	1.01E-04	3.20E-08	1.36E-08	1.24E-04	3.92E-08	1.66E-08	1.09E-04	3.44E-08	1.46E-08
827	490186.72, 3860635.12	1.01E-04	3.19E-08	1.35E-08	1.24E-04	3.91E-08	1.66E-08	1.09E-04	3.43E-08	1.46E-08
828	490236.72, 3860635.12	1.01E-04	3.18E-08	1.35E-08	1.24E-04	3.90E-08	1.66E-08	1.08E-04	3.42E-08	1.45E-08

829	490286.72, 3860635.12	1.01E-04	3.19E-08	1.35E-08	1.24E-04	3.90E-08	1.66E-08	1.08E-04	3.42E-08	1.45E-08
830	490336.72, 3860635.12	1.01E-04	3.19E-08	1.35E-08	1.24E-04	3.91E-08	1.66E-08	1.09E-04	3.43E-08	1.45E-08
831	490386.72, 3860635.12	1.01E-04	3.20E-08	1.36E-08	1.24E-04	3.91E-08	1.66E-08	1.09E-04	3.43E-08	1.46E-08
832	490436.72, 3860635.12	1.01E-04	3.20E-08	1.36E-08	1.24E-04	3.92E-08	1.66E-08	1.09E-04	3.43E-08	1.46E-08
833	490486.72, 3860635.12	1.01E-04	3.20E-08	1.36E-08	1.24E-04	3.92E-08	1.66E-08	1.09E-04	3.43E-08	1.46E-08
834	490536.72, 3860635.12	1.01E-04	3.20E-08	1.36E-08	1.24E-04	3.92E-08	1.66E-08	1.09E-04	3.44E-08	1.46E-08
835	490586.72, 3860635.12	1.01E-04	3.19E-08	1.35E-08	1.24E-04	3.91E-08	1.66E-08	1.09E-04	3.43E-08	1.45E-08
836	490636.72, 3860635.12	1.01E-04	3.18E-08	1.35E-08	1.24E-04	3.90E-08	1.65E-08	1.08E-04	3.42E-08	1.45E-08
837	490686.72, 3860635.12	1.01E-04	3.18E-08	1.35E-08	1.23E-04	3.89E-08	1.65E-08	1.08E-04	3.41E-08	1.45E-08
838	490736.72, 3860635.12	1.00E-04	3.16E-08	1.34E-08	1.23E-04	3.87E-08	1.64E-08	1.08E-04	3.39E-08	1.44E-08
839	490786.72, 3860635.12	9.97E-05	3.15E-08	1.34E-08	1.22E-04	3.86E-08	1.64E-08	1.07E-04	3.38E-08	1.43E-08
840	490136.72, 3860685.12	9.87E-05	3.12E-08	1.32E-08	1.21E-04	3.82E-08	1.62E-08	1.06E-04	3.35E-08	1.42E-08
841	490186.72, 3860685.12	9.93E-05	3.13E-08	1.33E-08	1.22E-04	3.84E-08	1.63E-08	1.07E-04	3.37E-08	1.43E-08
842	490236.72, 3860685.12	9.89E-05	3.12E-08	1.32E-08	1.21E-04	3.82E-08	1.62E-08	1.06E-04	3.35E-08	1.42E-08
843	490286.72, 3860685.12	9.83E-05	3.10E-08	1.32E-08	1.20E-04	3.80E-08	1.61E-08	1.06E-04	3.33E-08	1.41E-08
844	490336.72, 3860685.12	9.86E-05	3.11E-08	1.32E-08	1.21E-04	3.81E-08	1.62E-08	1.06E-04	3.34E-08	1.42E-08
845	490386.72, 3860685.12	9.87E-05	3.12E-08	1.32E-08	1.21E-04	3.82E-08	1.62E-08	1.06E-04	3.35E-08	1.42E-08
846	490436.72, 3860685.12	9.87E-05	3.12E-08	1.32E-08	1.21E-04	3.82E-08	1.62E-08	1.06E-04	3.35E-08	1.42E-08
847	490486.72, 3860685.12	9.87E-05	3.11E-08	1.32E-08	1.21E-04	3.81E-08	1.62E-08	1.06E-04	3.34E-08	1.42E-08
848	490536.72, 3860685.12	9.87E-05	3.12E-08	1.32E-08	1.21E-04	3.82E-08	1.62E-08	1.06E-04	3.35E-08	1.42E-08
849	490586.72, 3860685.12	9.87E-05	3.11E-08	1.32E-08	1.21E-04	3.81E-08	1.62E-08	1.06E-04	3.34E-08	1.42E-08
850	490636.72, 3860685.12	9.87E-05	3.11E-08	1.32E-08	1.21E-04	3.81E-08	1.62E-08	1.06E-04	3.34E-08	1.42E-08
851	490686.72, 3860685.12	9.85E-05	3.11E-08	1.32E-08	1.21E-04	3.81E-08	1.62E-08	1.06E-04	3.34E-08	1.42E-08
852	490736.72, 3860685.12	9.82E-05	3.10E-08	1.32E-08	1.20E-04	3.80E-08	1.61E-08	1.05E-04	3.33E-08	1.41E-08
853	490786.72, 3860685.12	9.80E-05	3.09E-08	1.31E-08	1.20E-04	3.79E-08	1.61E-08	1.05E-04	3.32E-08	1.41E-08
854	490136.72, 3860735.12	9.56E-05	3.02E-08	1.28E-08	1.17E-04	3.70E-08	1.57E-08	1.03E-04	3.24E-08	1.38E-08
855	490186.72, 3860735.12	9.56E-05	3.02E-08	1.28E-08	1.17E-04	3.70E-08	1.57E-08	1.03E-04	3.24E-08	1.37E-08
856	490236.72, 3860735.12	9.57E-05	3.02E-08	1.28E-08	1.17E-04	3.70E-08	1.57E-08	1.03E-04	3.24E-08	1.38E-08
857	490286.72, 3860735.12	9.59E-05	3.03E-08	1.28E-08	1.17E-04	3.71E-08	1.57E-08	1.03E-04	3.25E-08	1.38E-08
858	490336.72, 3860735.12	9.60E-05	3.03E-08	1.29E-08	1.18E-04	3.71E-08	1.57E-08	1.03E-04	3.25E-08	1.38E-08
859	490386.72, 3860735.12	9.62E-05	3.04E-08	1.29E-08	1.18E-04	3.72E-08	1.58E-08	1.03E-04	3.26E-08	1.38E-08
860	490436.72, 3860735.12	9.66E-05	3.05E-08	1.29E-08	1.18E-04	3.74E-08	1.58E-08	1.04E-04	3.28E-08	1.39E-08
861	490486.72, 3860735.12	9.65E-05	3.05E-08	1.29E-08	1.18E-04	3.73E-08	1.58E-08	1.04E-04	3.27E-08	1.39E-08
862	490536.72, 3860735.12	9.63E-05	3.04E-08	1.29E-08	1.18E-04	3.72E-08	1.58E-08	1.03E-04	3.26E-08	1.38E-08
863	490586.72, 3860735.12	9.62E-05	3.04E-08	1.29E-08	1.18E-04	3.72E-08	1.58E-08	1.03E-04	3.26E-08	1.38E-08
864	490636.72, 3860735.12	9.62E-05	3.04E-08	1.29E-08	1.18E-04	3.72E-08	1.58E-08	1.03E-04	3.26E-08	1.38E-08
865	490686.72, 3860735.12	9.63E-05	3.04E-08	1.29E-08	1.18E-04	3.72E-08	1.58E-08	1.03E-04	3.26E-08	1.38E-08
866	490736.72, 3860735.12	9.63E-05	3.04E-08	1.29E-08	1.18E-04	3.72E-08	1.58E-08	1.03E-04	3.26E-08	1.38E-08
867	490136.72, 3860785.12	9.29E-05	2.93E-08	1.24E-08	1.14E-04	3.59E-08	1.52E-08	9.98E-05	3.15E-08	1.34E-08
868	490186.72, 3860785.12	9.30E-05	2.94E-08	1.25E-08	1.14E-04	3.60E-08	1.53E-08	9.99E-05	3.15E-08	1.34E-08
869	490236.72, 3860785.12	9.32E-05	2.94E-08	1.25E-08	1.14E-04	3.60E-08	1.53E-08	1.00E-04	3.16E-08	1.34E-08
870	490286.72, 3860785.12	9.33E-05	2.94E-08	1.25E-08	1.14E-04	3.61E-08	1.53E-08	1.00E-04	3.16E-08	1.34E-08
871	490336.72, 3860785.12	9.34E-05	2.95E-08	1.25E-08	1.14E-04	3.61E-08	1.53E-08	1.00E-04	3.17E-08	1.34E-08
872	490386.72, 3860785.12	9.38E-05	2.96E-08	1.26E-08	1.15E-04	3.62E-08	1.54E-08	1.01E-04	3.18E-08	1.35E-08
873	490436.72, 3860785.12	9.39E-05	2.96E-08	1.26E-08	1.15E-04	3.63E-08	1.54E-08	1.01E-04	3.18E-08	1.35E-08
874	490486.72, 3860785.12	9.42E-05	2.97E-08	1.26E-08	1.15E-04	3.64E-08	1.54E-08	1.01E-04	3.19E-08	1.35E-08
875	490536.72, 3860785.12	9.41E-05	2.97E-08	1.26E-08	1.15E-04	3.64E-08	1.54E-08	1.01E-04	3.19E-08	1.35E-08
876	490586.72, 3860785.12	9.38E-05	2.96E-08	1.26E-08	1.15E-04	3.63E-08	1.54E-08	1.01E-04	3.18E-08	1.35E-08
877	490636.72, 3860785.12	9.38E-05	2.96E-08	1.26E-08	1.15E-04	3.63E-08	1.54E-08	1.01E-04	3.18E-08	1.35E-08
878	490686.72, 3860785.12	9.39E-05	2.96E-08	1.26E-08	1.15E-04	3.63E-08	1.54E-08	1.01E-04	3.18E-08	1.35E-08
879	490736.72, 3860785.12	9.40E-05	2.97E-08	1.26E-08	1.15E-04	3.63E-08	1.54E-08	1.01E-04	3.18E-08	1.35E-08
880	490086.72, 3860835.12	9.04E-05	2.85E-08	1.21E-08	1.11E-04	3.49E-08	1.48E-08	9.71E-05	3.06E-08	1.30E-08
881	490136.72, 3860835.12	9.07E-05	2.86E-08	1.21E-08	1.11E-04	3.51E-08	1.49E-08	9.74E-05	3.07E-08	1.30E-08
882	490186.72, 3860835.12	9.07E-05	2.86E-08	1.21E-08	1.11E-04	3.51E-08	1.49E-08	9.74E-05	3.07E-08	1.30E-08
883	490236.72, 3860835.12	9.08E-05	2.87E-08	1.22E-08	1.11E-04	3.51E-08	1.49E-08	9.75E-05	3.08E-08	1.31E-08
884	490286.72, 3860835.12	9.09E-05	2.87E-08	1.22E-08	1.11E-04	3.52E-08	1.49E-08	9.77E-05	3.08E-08	1.31E-08
885	490336.72, 3860835.12	9.10E-05	2.87E-08	1.22E-08	1.11E-04	3.52E-08	1.49E-08	9.78E-05	3.09E-08	1.31E-08
886	490386.72, 3860835.12	9.12E-05	2.88E-08	1.22E-08	1.12E-04	3.52E-08	1.50E-08	9.79E-05	3.09E-08	1.31E-08
887	490436.72, 3860835.12	9.14E-05	2.89E-08	1.22E-08	1.12E-04	3.53E-08	1.50E-08	9.82E-05	3.10E-08	1.31E-08
888	490486.72, 3860835.12	9.16E-05	2.89E-08	1.23E-08	1.12E-04	3.54E-08	1.50E-08	9.84E-05	3.11E-08	1.32E-08
889	490536.72, 3860835.12	9.17E-05	2.89E-08	1.23E-08	1.12E-04	3.54E-08	1.50E-08	9.85E-05	3.11E-08	1.32E-08
890	490586.72, 3860835.12	9.17E-05	2.89E-08	1.23E-08	1.12E-04	3.54E-08	1.50E-08	9.84E-05	3.11E-08	1.32E-08
891	490636.72, 3860835.12	9.16E-05	2.89E-08	1.23E-08	1.12E-04	3.54E-08	1.50E-08	9.84E-05	3.11E-08	1.32E-08
892	490686.72, 3860835.12	9.17E-05	2.89E-08	1.23E-08	1.12E-04	3.54E-08	1.50E-08	9.85E-05	3.11E-08	1.32E-08

893	490736.72, 3860835.12	9.18E-05	2.90E-08	1.23E-08	1.12E-04	3.55E-08	1.51E-08	9.86E-05	3.11E-08	1.32E-08
894	490086.72, 3860885.12	8.83E-05	2.79E-08	1.18E-08	1.08E-04	3.41E-08	1.45E-08	9.48E-05	2.99E-08	1.27E-08
895	490136.72, 3860885.12	8.84E-05	2.79E-08	1.18E-08	1.08E-04	3.42E-08	1.45E-08	9.50E-05	3.00E-08	1.27E-08
896	490186.72, 3860885.12	8.85E-05	2.79E-08	1.19E-08	1.08E-04	3.42E-08	1.45E-08	9.51E-05	3.00E-08	1.27E-08
897	490236.72, 3860885.12	8.86E-05	2.80E-08	1.19E-08	1.09E-04	3.43E-08	1.45E-08	9.52E-05	3.00E-08	1.27E-08
898	490286.72, 3860885.12	8.87E-05	2.80E-08	1.19E-08	1.09E-04	3.43E-08	1.45E-08	9.53E-05	3.01E-08	1.28E-08
899	490336.72, 3860885.12	8.88E-05	2.80E-08	1.19E-08	1.09E-04	3.43E-08	1.46E-08	9.53E-05	3.01E-08	1.28E-08
900	490386.72, 3860885.12	8.89E-05	2.81E-08	1.19E-08	1.09E-04	3.44E-08	1.46E-08	9.55E-05	3.01E-08	1.28E-08
901	490436.72, 3860885.12	8.92E-05	2.81E-08	1.19E-08	1.09E-04	3.45E-08	1.46E-08	9.58E-05	3.02E-08	1.28E-08
902	490486.72, 3860885.12	8.93E-05	2.82E-08	1.20E-08	1.09E-04	3.45E-08	1.47E-08	9.59E-05	3.03E-08	1.28E-08
903	490536.72, 3860885.12	8.94E-05	2.82E-08	1.20E-08	1.10E-04	3.46E-08	1.47E-08	9.60E-05	3.03E-08	1.29E-08
904	490586.72, 3860885.12	8.95E-05	2.82E-08	1.20E-08	1.10E-04	3.46E-08	1.47E-08	9.61E-05	3.03E-08	1.29E-08
905	490636.72, 3860885.12	8.95E-05	2.82E-08	1.20E-08	1.10E-04	3.46E-08	1.47E-08	9.61E-05	3.03E-08	1.29E-08
906	490686.72, 3860885.12	8.95E-05	2.82E-08	1.20E-08	1.10E-04	3.46E-08	1.47E-08	9.61E-05	3.03E-08	1.29E-08
907	490736.72, 3860885.12	8.95E-05	2.83E-08	1.20E-08	1.10E-04	3.46E-08	1.47E-08	9.62E-05	3.03E-08	1.29E-08
908	490086.72, 3860935.12	8.61E-05	2.72E-08	1.15E-08	1.06E-04	3.33E-08	1.41E-08	9.25E-05	2.92E-08	1.24E-08
909	490136.72, 3860935.12	8.61E-05	2.72E-08	1.15E-08	1.06E-04	3.33E-08	1.41E-08	9.25E-05	2.92E-08	1.24E-08
910	490186.72, 3860935.12	8.63E-05	2.72E-08	1.16E-08	1.06E-04	3.34E-08	1.42E-08	9.27E-05	2.93E-08	1.24E-08
911	490236.72, 3860935.12	8.65E-05	2.73E-08	1.16E-08	1.06E-04	3.34E-08	1.42E-08	9.28E-05	2.93E-08	1.24E-08
912	490286.72, 3860935.12	8.66E-05	2.73E-08	1.16E-08	1.06E-04	3.35E-08	1.42E-08	9.30E-05	2.94E-08	1.25E-08
913	490336.72, 3860935.12	8.66E-05	2.73E-08	1.16E-08	1.06E-04	3.35E-08	1.42E-08	9.30E-05	2.94E-08	1.25E-08
914	490386.72, 3860935.12	8.68E-05	2.74E-08	1.16E-08	1.06E-04	3.36E-08	1.42E-08	9.33E-05	2.94E-08	1.25E-08
915	490436.72, 3860935.12	8.70E-05	2.75E-08	1.17E-08	1.07E-04	3.36E-08	1.43E-08	9.35E-05	2.95E-08	1.25E-08
916	490486.72, 3860935.12	8.71E-05	2.75E-08	1.17E-08	1.07E-04	3.37E-08	1.43E-08	9.36E-05	2.95E-08	1.25E-08
917	490536.72, 3860935.12	8.73E-05	2.75E-08	1.17E-08	1.07E-04	3.37E-08	1.43E-08	9.37E-05	2.96E-08	1.26E-08
918	490586.72, 3860935.12	8.73E-05	2.76E-08	1.17E-08	1.07E-04	3.38E-08	1.43E-08	9.38E-05	2.96E-08	1.26E-08
919	490636.72, 3860935.12	8.74E-05	2.76E-08	1.17E-08	1.07E-04	3.38E-08	1.43E-08	9.38E-05	2.96E-08	1.26E-08
920	490686.72, 3860935.12	8.74E-05	2.76E-08	1.17E-08	1.07E-04	3.38E-08	1.43E-08	9.39E-05	2.96E-08	1.26E-08
921	490736.72, 3860935.12	8.75E-05	2.76E-08	1.17E-08	1.07E-04	3.38E-08	1.43E-08	9.39E-05	2.96E-08	1.26E-08
922	490786.72, 3860935.12	8.75E-05	2.76E-08	1.17E-08	1.07E-04	3.38E-08	1.44E-08	9.40E-05	2.97E-08	1.26E-08
923	490836.72, 3860935.12	8.76E-05	2.77E-08	1.17E-08	1.07E-04	3.39E-08	1.44E-08	9.41E-05	2.97E-08	1.26E-08
924	490086.72, 3860985.12	8.42E-05	2.66E-08	1.13E-08	1.03E-04	3.25E-08	1.38E-08	9.04E-05	2.85E-08	1.21E-08
925	490136.72, 3860985.12	8.43E-05	2.66E-08	1.13E-08	1.03E-04	3.26E-08	1.38E-08	9.05E-05	2.86E-08	1.21E-08
926	490186.72, 3860985.12	8.44E-05	2.66E-08	1.13E-08	1.03E-04	3.26E-08	1.38E-08	9.07E-05	2.86E-08	1.21E-08
927	490236.72, 3860985.12	8.44E-05	2.67E-08	1.13E-08	1.03E-04	3.26E-08	1.38E-08	9.07E-05	2.86E-08	1.21E-08
928	490286.72, 3860985.12	8.45E-05	2.67E-08	1.13E-08	1.04E-04	3.27E-08	1.39E-08	9.08E-05	2.86E-08	1.22E-08
929	490336.72, 3860985.12	8.46E-05	2.67E-08	1.13E-08	1.04E-04	3.27E-08	1.39E-08	9.09E-05	2.87E-08	1.22E-08
930	490386.72, 3860985.12	8.48E-05	2.68E-08	1.14E-08	1.04E-04	3.28E-08	1.39E-08	9.10E-05	2.87E-08	1.22E-08
931	490436.72, 3860985.12	8.50E-05	2.68E-08	1.14E-08	1.04E-04	3.29E-08	1.39E-08	9.13E-05	2.88E-08	1.22E-08
932	490486.72, 3860985.12	8.51E-05	2.69E-08	1.14E-08	1.04E-04	3.29E-08	1.40E-08	9.14E-05	2.89E-08	1.22E-08
933	490536.72, 3860985.12	8.52E-05	2.69E-08	1.14E-08	1.04E-04	3.29E-08	1.40E-08	9.15E-05	2.89E-08	1.23E-08
934	490586.72, 3860985.12	8.52E-05	2.69E-08	1.14E-08	1.04E-04	3.30E-08	1.40E-08	9.15E-05	2.89E-08	1.23E-08
935	490636.72, 3860985.12	8.54E-05	2.69E-08	1.14E-08	1.05E-04	3.30E-08	1.40E-08	9.17E-05	2.89E-08	1.23E-08
936	490686.72, 3860985.12	8.54E-05	2.70E-08	1.14E-08	1.05E-04	3.30E-08	1.40E-08	9.17E-05	2.90E-08	1.23E-08
937	490736.72, 3860985.12	8.54E-05	2.70E-08	1.14E-08	1.05E-04	3.30E-08	1.40E-08	9.18E-05	2.90E-08	1.23E-08
938	490786.72, 3860985.12	8.55E-05	2.70E-08	1.15E-08	1.05E-04	3.31E-08	1.40E-08	9.18E-05	2.90E-08	1.23E-08
939	490836.72, 3860985.12	8.56E-05	2.70E-08	1.15E-08	1.05E-04	3.31E-08	1.40E-08	9.20E-05	2.90E-08	1.23E-08
940	490086.72, 3861035.12	8.23E-05	2.60E-08	1.10E-08	1.01E-04	3.18E-08	1.35E-08	8.83E-05	2.79E-08	1.18E-08
941	490136.72, 3861035.12	8.24E-05	2.60E-08	1.10E-08	1.01E-04	3.18E-08	1.35E-08	8.85E-05	2.79E-08	1.18E-08
942	490186.72, 3861035.12	8.24E-05	2.60E-08	1.10E-08	1.01E-04	3.19E-08	1.35E-08	8.85E-05	2.79E-08	1.19E-08
943	490236.72, 3861035.12	8.26E-05	2.61E-08	1.11E-08	1.01E-04	3.19E-08	1.35E-08	8.87E-05	2.80E-08	1.19E-08
944	490286.72, 3861035.12	8.26E-05	2.61E-08	1.11E-08	1.01E-04	3.19E-08	1.35E-08	8.87E-05	2.80E-08	1.19E-08
945	490336.72, 3861035.12	8.26E-05	2.61E-08	1.11E-08	1.01E-04	3.19E-08	1.36E-08	8.88E-05	2.80E-08	1.19E-08
946	490386.72, 3861035.12	8.29E-05	2.62E-08	1.11E-08	1.01E-04	3.20E-08	1.36E-08	8.90E-05	2.81E-08	1.19E-08
947	490436.72, 3861035.12	8.31E-05	2.62E-08	1.11E-08	1.02E-04	3.21E-08	1.36E-08	8.92E-05	2.82E-08	1.19E-08
948	490486.72, 3861035.12	8.32E-05	2.63E-08	1.11E-08	1.02E-04	3.22E-08	1.36E-08	8.93E-05	2.82E-08	1.20E-08
949	490536.72, 3861035.12	8.33E-05	2.63E-08	1.11E-08	1.02E-04	3.22E-08	1.37E-08	8.94E-05	2.82E-08	1.20E-08
950	490586.72, 3861035.12	8.33E-05	2.63E-08	1.12E-08	1.02E-04	3.22E-08	1.37E-08	8.95E-05	2.82E-08	1.20E-08
951	490636.72, 3861035.12	8.34E-05	2.63E-08	1.12E-08	1.02E-04	3.22E-08	1.37E-08	8.95E-05	2.83E-08	1.20E-08
952	490686.72, 3861035.12	8.34E-05	2.63E-08	1.12E-08	1.02E-04	3.22E-08	1.37E-08	8.96E-05	2.83E-08	1.20E-08
953	490736.72, 3861035.12	8.35E-05	2.63E-08	1.12E-08	1.02E-04	3.23E-08	1.37E-08	8.96E-05	2.83E-08	1.20E-08
954	490786.72, 3861035.12	8.36E-05	2.64E-08	1.12E-08	1.02E-04	3.23E-08	1.37E-08	8.97E-05	2.83E-08	1.20E-08
955	490836.72, 3861035.12	8.37E-05	2.64E-08	1.12E-08	1.03E-04	3.24E-08	1.37E-08	8.99E-05	2.84E-08	1.20E-08
956	490086.72, 3861085.12	8.04E-05	2.54E-08	1.08E-08	9.85E-05	3.11E-08	1.32E-08	8.64E-05	2.73E-08	1.16E-08

957	490136.72, 3861085.12	8.06E-05	2.54E-08	1.08E-08	9.88E-05	3.12E-08	1.32E-08	8.66E-05	2.73E-08	1.16E-08
958	490186.72, 3861085.12	8.09E-05	2.55E-08	1.08E-08	9.90E-05	3.13E-08	1.33E-08	8.68E-05	2.74E-08	1.16E-08
959	490236.72, 3861085.12	8.08E-05	2.55E-08	1.08E-08	9.90E-05	3.12E-08	1.33E-08	8.68E-05	2.74E-08	1.16E-08
960	490286.72, 3861085.12	8.08E-05	2.55E-08	1.08E-08	9.90E-05	3.13E-08	1.33E-08	8.68E-05	2.74E-08	1.16E-08
961	490336.72, 3861085.12	8.09E-05	2.55E-08	1.08E-08	9.90E-05	3.13E-08	1.33E-08	8.69E-05	2.74E-08	1.16E-08
962	490386.72, 3861085.12	8.11E-05	2.56E-08	1.09E-08	9.93E-05	3.13E-08	1.33E-08	8.70E-05	2.75E-08	1.17E-08
963	490436.72, 3861085.12	8.12E-05	2.56E-08	1.09E-08	9.94E-05	3.14E-08	1.33E-08	8.72E-05	2.75E-08	1.17E-08
964	490486.72, 3861085.12	8.13E-05	2.56E-08	1.09E-08	9.95E-05	3.14E-08	1.33E-08	8.73E-05	2.75E-08	1.17E-08
965	490536.72, 3861085.12	8.14E-05	2.57E-08	1.09E-08	9.97E-05	3.15E-08	1.34E-08	8.75E-05	2.76E-08	1.17E-08
966	490586.72, 3861085.12	8.15E-05	2.57E-08	1.09E-08	9.98E-05	3.15E-08	1.34E-08	8.75E-05	2.76E-08	1.17E-08
967	490636.72, 3861085.12	8.14E-05	2.57E-08	1.09E-08	9.97E-05	3.15E-08	1.34E-08	8.74E-05	2.76E-08	1.17E-08
968	490686.72, 3861085.12	8.15E-05	2.57E-08	1.09E-08	9.98E-05	3.15E-08	1.34E-08	8.75E-05	2.76E-08	1.17E-08
969	490736.72, 3861085.12	8.16E-05	2.57E-08	1.09E-08	9.99E-05	3.15E-08	1.34E-08	8.76E-05	2.76E-08	1.17E-08
970	490786.72, 3861085.12	8.17E-05	2.58E-08	1.09E-08	1.00E-04	3.16E-08	1.34E-08	8.77E-05	2.77E-08	1.17E-08
971	490836.72, 3861085.12	8.18E-05	2.58E-08	1.10E-08	1.00E-04	3.16E-08	1.34E-08	8.78E-05	2.77E-08	1.18E-08
972	490086.72, 3861135.12	7.87E-05	2.48E-08	1.05E-08	9.64E-05	3.04E-08	1.29E-08	8.45E-05	2.67E-08	1.13E-08
973	490136.72, 3861135.12	7.88E-05	2.49E-08	1.06E-08	9.66E-05	3.05E-08	1.29E-08	8.47E-05	2.67E-08	1.13E-08
974	490186.72, 3861135.12	7.90E-05	2.49E-08	1.06E-08	9.68E-05	3.05E-08	1.30E-08	8.49E-05	2.68E-08	1.14E-08
975	490236.72, 3861135.12	7.91E-05	2.50E-08	1.06E-08	9.69E-05	3.06E-08	1.30E-08	8.50E-05	2.68E-08	1.14E-08
976	490286.72, 3861135.12	7.92E-05	2.50E-08	1.06E-08	9.70E-05	3.06E-08	1.30E-08	8.50E-05	2.68E-08	1.14E-08
977	490336.72, 3861135.12	7.92E-05	2.50E-08	1.06E-08	9.70E-05	3.06E-08	1.30E-08	8.51E-05	2.69E-08	1.14E-08
978	490386.72, 3861135.12	7.93E-05	2.50E-08	1.06E-08	9.71E-05	3.07E-08	1.30E-08	8.52E-05	2.69E-08	1.14E-08
979	490436.72, 3861135.12	7.94E-05	2.51E-08	1.06E-08	9.72E-05	3.07E-08	1.30E-08	8.53E-05	2.69E-08	1.14E-08
980	490486.72, 3861135.12	7.95E-05	2.51E-08	1.06E-08	9.74E-05	3.07E-08	1.30E-08	8.54E-05	2.69E-08	1.14E-08
981	490536.72, 3861135.12	7.96E-05	2.51E-08	1.07E-08	9.75E-05	3.08E-08	1.31E-08	8.55E-05	2.70E-08	1.14E-08
982	490586.72, 3861135.12	7.96E-05	2.51E-08	1.07E-08	9.75E-05	3.08E-08	1.31E-08	8.55E-05	2.70E-08	1.15E-08
983	490636.72, 3861135.12	7.96E-05	2.51E-08	1.07E-08	9.75E-05	3.08E-08	1.31E-08	8.55E-05	2.70E-08	1.15E-08
984	490686.72, 3861135.12	7.97E-05	2.52E-08	1.07E-08	9.76E-05	3.08E-08	1.31E-08	8.56E-05	2.70E-08	1.15E-08
985	490736.72, 3861135.12	7.98E-05	2.52E-08	1.07E-08	9.78E-05	3.09E-08	1.31E-08	8.57E-05	2.71E-08	1.15E-08
986	490786.72, 3861135.12	7.99E-05	2.52E-08	1.07E-08	9.79E-05	3.09E-08	1.31E-08	8.58E-05	2.71E-08	1.15E-08
987	490836.72, 3861135.12	8.00E-05	2.52E-08	1.07E-08	9.80E-05	3.09E-08	1.31E-08	8.59E-05	2.71E-08	1.15E-08
988	490086.72, 3861185.12	7.70E-05	2.43E-08	1.03E-08	9.43E-05	2.98E-08	1.26E-08	8.27E-05	2.61E-08	1.11E-08
989	490136.72, 3861185.12	7.70E-05	2.43E-08	1.03E-08	9.43E-05	2.98E-08	1.26E-08	8.27E-05	2.61E-08	1.11E-08
990	490186.72, 3861185.12	7.72E-05	2.44E-08	1.03E-08	9.45E-05	2.98E-08	1.27E-08	8.29E-05	2.62E-08	1.11E-08
991	490236.72, 3861185.12	7.73E-05	2.44E-08	1.04E-08	9.47E-05	2.99E-08	1.27E-08	8.30E-05	2.62E-08	1.11E-08
992	490286.72, 3861185.12	7.75E-05	2.45E-08	1.04E-08	9.49E-05	3.00E-08	1.27E-08	8.32E-05	2.63E-08	1.11E-08
993	490336.72, 3861185.12	7.74E-05	2.44E-08	1.04E-08	9.48E-05	2.99E-08	1.27E-08	8.31E-05	2.62E-08	1.11E-08
994	490386.72, 3861185.12	7.75E-05	2.45E-08	1.04E-08	9.49E-05	3.00E-08	1.27E-08	8.32E-05	2.63E-08	1.11E-08
995	490436.72, 3861185.12	7.77E-05	2.45E-08	1.04E-08	9.51E-05	3.00E-08	1.27E-08	8.34E-05	2.63E-08	1.12E-08
996	490486.72, 3861185.12	7.77E-05	2.45E-08	1.04E-08	9.52E-05	3.00E-08	1.27E-08	8.35E-05	2.63E-08	1.12E-08
997	490536.72, 3861185.12	7.80E-05	2.46E-08	1.04E-08	9.55E-05	3.01E-08	1.28E-08	8.37E-05	2.64E-08	1.12E-08
998	490586.72, 3861185.12	7.80E-05	2.46E-08	1.04E-08	9.55E-05	3.01E-08	1.28E-08	8.37E-05	2.64E-08	1.12E-08
999	490636.72, 3861185.12	7.79E-05	2.46E-08	1.04E-08	9.54E-05	3.01E-08	1.28E-08	8.36E-05	2.64E-08	1.12E-08
1000	490686.72, 3861185.12	7.79E-05	2.46E-08	1.04E-08	9.54E-05	3.01E-08	1.28E-08	8.37E-05	2.64E-08	1.12E-08
1001	490736.72, 3861185.12	7.81E-05	2.47E-08	1.05E-08	9.57E-05	3.02E-08	1.28E-08	8.39E-05	2.65E-08	1.12E-08
1002	490786.72, 3861185.12	7.82E-05	2.47E-08	1.05E-08	9.58E-05	3.02E-08	1.28E-08	8.40E-05	2.65E-08	1.13E-08
1003	490836.72, 3861185.12	7.83E-05	2.47E-08	1.05E-08	9.59E-05	3.03E-08	1.28E-08	8.41E-05	2.65E-08	1.13E-08
1004	490086.72, 3861235.12	7.53E-05	2.38E-08	1.01E-08	9.22E-05	2.91E-08	1.24E-08	8.09E-05	2.55E-08	1.08E-08
1005	490136.72, 3861235.12	7.54E-05	2.38E-08	1.01E-08	9.23E-05	2.91E-08	1.24E-08	8.10E-05	2.56E-08	1.08E-08
1006	490186.72, 3861235.12	7.55E-05	2.38E-08	1.01E-08	9.25E-05	2.92E-08	1.24E-08	8.11E-05	2.56E-08	1.09E-08
1007	490236.72, 3861235.12	7.56E-05	2.38E-08	1.01E-08	9.25E-05	2.92E-08	1.24E-08	8.11E-05	2.56E-08	1.09E-08
1008	490386.72, 3861235.12	7.58E-05	2.39E-08	1.01E-08	9.28E-05	2.93E-08	1.24E-08	8.14E-05	2.57E-08	1.09E-08
1009	490436.72, 3861235.12	7.58E-05	2.39E-08	1.01E-08	9.28E-05	2.93E-08	1.24E-08	8.14E-05	2.57E-08	1.09E-08
1010	490486.72, 3861235.12	7.59E-05	2.39E-08	1.02E-08	9.29E-05	2.93E-08	1.24E-08	8.15E-05	2.57E-08	1.09E-08
1011	490536.72, 3861235.12	7.62E-05	2.41E-08	1.02E-08	9.34E-05	2.95E-08	1.25E-08	8.19E-05	2.58E-08	1.10E-08
1012	490586.72, 3861235.12	7.64E-05	2.41E-08	1.02E-08	9.36E-05	2.95E-08	1.25E-08	8.21E-05	2.59E-08	1.10E-08
1013	490636.72, 3861235.12	7.62E-05	2.40E-08	1.02E-08	9.33E-05	2.95E-08	1.25E-08	8.18E-05	2.58E-08	1.10E-08
1014	490686.72, 3861235.12	7.63E-05	2.41E-08	1.02E-08	9.34E-05	2.95E-08	1.25E-08	8.19E-05	2.59E-08	1.10E-08
1015	490736.72, 3861235.12	7.64E-05	2.41E-08	1.02E-08	9.36E-05	2.95E-08	1.25E-08	8.21E-05	2.59E-08	1.10E-08
1016	490786.72, 3861235.12	7.66E-05	2.42E-08	1.03E-08	9.38E-05	2.96E-08	1.26E-08	8.23E-05	2.60E-08	1.10E-08
1017	490836.72, 3861235.12	7.67E-05	2.42E-08	1.03E-08	9.39E-05	2.96E-08	1.26E-08	8.24E-05	2.60E-08	1.10E-08
1018	490086.72, 3861285.12	7.38E-05	2.33E-08	9.89E-09	9.04E-05	2.85E-08	1.21E-08	7.93E-05	2.50E-08	1.06E-08
1019	490136.72, 3861285.12	7.40E-05	2.34E-08	9.91E-09	9.07E-05	2.86E-08	1.21E-08	7.95E-05	2.51E-08	1.06E-08
1020	490186.72, 3861285.12	7.40E-05	2.34E-08	9.91E-09	9.06E-05	2.86E-08	1.21E-08	7.95E-05	2.51E-08	1.06E-08

1021	490236.72, 3861285.12	7.40E-05	2.34E-08	9.92E-09	9.07E-05	2.86E-08	1.21E-08	7.95E-05	2.51E-08	1.06E-08
1022	490386.72, 3861285.12	7.42E-05	2.34E-08	9.94E-09	9.09E-05	2.87E-08	1.22E-08	7.97E-05	2.51E-08	1.07E-08
1023	490436.72, 3861285.12	7.43E-05	2.35E-08	9.95E-09	9.10E-05	2.87E-08	1.22E-08	7.98E-05	2.52E-08	1.07E-08
1024	490486.72, 3861285.12	7.43E-05	2.35E-08	9.95E-09	9.10E-05	2.87E-08	1.22E-08	7.98E-05	2.52E-08	1.07E-08
1025	490536.72, 3861285.12	7.44E-05	2.35E-08	9.97E-09	9.12E-05	2.88E-08	1.22E-08	7.99E-05	2.52E-08	1.07E-08
1026	490586.72, 3861285.12	7.46E-05	2.35E-08	9.99E-09	9.13E-05	2.88E-08	1.22E-08	8.01E-05	2.53E-08	1.07E-08
1027	490636.72, 3861285.12	7.45E-05	2.35E-08	9.98E-09	9.13E-05	2.88E-08	1.22E-08	8.00E-05	2.53E-08	1.07E-08
1028	490686.72, 3861285.12	7.46E-05	2.35E-08	9.99E-09	9.14E-05	2.88E-08	1.22E-08	8.01E-05	2.53E-08	1.07E-08
1029	490736.72, 3861285.12	7.49E-05	2.36E-08	1.00E-08	9.17E-05	2.89E-08	1.23E-08	8.04E-05	2.54E-08	1.08E-08
1030	490786.72, 3861285.12	7.49E-05	2.37E-08	1.00E-08	9.18E-05	2.90E-08	1.23E-08	8.05E-05	2.54E-08	1.08E-08
1031	490836.72, 3861285.12	7.50E-05	2.37E-08	1.00E-08	9.18E-05	2.90E-08	1.23E-08	8.05E-05	2.54E-08	1.08E-08
1032	490061.24, 3859716.13	1.69E-04	5.34E-08	2.26E-08	2.07E-04	6.53E-08	2.77E-08	1.82E-04	5.73E-08	2.43E-08
1033	490111.24, 3859716.13	1.68E-04	5.31E-08	2.25E-08	2.06E-04	6.51E-08	2.76E-08	1.81E-04	5.71E-08	2.42E-08
1034	490161.24, 3859716.13	1.68E-04	5.29E-08	2.25E-08	2.05E-04	6.48E-08	2.75E-08	1.80E-04	5.68E-08	2.41E-08
1035	490211.24, 3859716.13	1.67E-04	5.27E-08	2.24E-08	2.05E-04	6.46E-08	2.74E-08	1.79E-04	5.66E-08	2.40E-08
1036	490061.24, 3859766.13	1.64E-04	5.17E-08	2.19E-08	2.00E-04	6.33E-08	2.68E-08	1.76E-04	5.55E-08	2.35E-08
1037	490111.24, 3859766.13	1.63E-04	5.13E-08	2.18E-08	1.99E-04	6.29E-08	2.67E-08	1.75E-04	5.52E-08	2.34E-08
1038	490161.24, 3859766.13	1.62E-04	5.10E-08	2.17E-08	1.98E-04	6.25E-08	2.65E-08	1.74E-04	5.48E-08	2.33E-08
1039	490211.24, 3859766.13	1.61E-04	5.08E-08	2.16E-08	1.97E-04	6.23E-08	2.64E-08	1.73E-04	5.46E-08	2.32E-08
1040	490061.24, 3859816.13	1.59E-04	5.01E-08	2.13E-08	1.95E-04	6.14E-08	2.60E-08	1.71E-04	5.38E-08	2.28E-08
1041	490111.24, 3859816.13	1.58E-04	4.98E-08	2.11E-08	1.93E-04	6.09E-08	2.59E-08	1.69E-04	5.35E-08	2.27E-08
1042	490161.24, 3859816.13	1.57E-04	4.94E-08	2.10E-08	1.92E-04	6.05E-08	2.57E-08	1.68E-04	5.31E-08	2.25E-08
1043	490211.24, 3859816.13	1.56E-04	4.92E-08	2.09E-08	1.91E-04	6.02E-08	2.55E-08	1.67E-04	5.28E-08	2.24E-08
1044	490061.24, 3859866.13	1.54E-04	4.87E-08	2.07E-08	1.89E-04	5.97E-08	2.53E-08	1.66E-04	5.23E-08	2.22E-08
1045	490111.24, 3859866.13	1.53E-04	4.84E-08	2.05E-08	1.88E-04	5.92E-08	2.51E-08	1.65E-04	5.19E-08	2.20E-08
1046	490161.24, 3859866.13	1.52E-04	4.80E-08	2.04E-08	1.86E-04	5.88E-08	2.50E-08	1.63E-04	5.16E-08	2.19E-08
1047	490211.24, 3859866.13	1.51E-04	4.77E-08	2.02E-08	1.85E-04	5.85E-08	2.48E-08	1.62E-04	5.13E-08	2.18E-08
1048	490061.24, 3859916.13	1.50E-04	4.74E-08	2.01E-08	1.84E-04	5.80E-08	2.46E-08	1.61E-04	5.09E-08	2.16E-08
1049	490111.24, 3859916.13	1.49E-04	4.71E-08	2.00E-08	1.83E-04	5.76E-08	2.45E-08	1.60E-04	5.05E-08	2.14E-08
1050	490161.24, 3859916.13	1.48E-04	4.67E-08	1.98E-08	1.81E-04	5.72E-08	2.43E-08	1.59E-04	5.02E-08	2.13E-08
1051	490211.24, 3859916.13	1.47E-04	4.64E-08	1.97E-08	1.80E-04	5.68E-08	2.41E-08	1.58E-04	4.98E-08	2.11E-08
1052	490229.25, 3859815.26	1.56E-04	4.91E-08	2.08E-08	1.91E-04	6.02E-08	2.55E-08	1.67E-04	5.28E-08	2.24E-08
1053	490279.25, 3859815.26	1.55E-04	4.89E-08	2.07E-08	1.90E-04	5.99E-08	2.54E-08	1.66E-04	5.25E-08	2.23E-08
1054	490329.25, 3859815.26	1.54E-04	4.87E-08	2.07E-08	1.89E-04	5.96E-08	2.53E-08	1.66E-04	5.23E-08	2.22E-08
1055	490379.25, 3859815.26	1.54E-04	4.86E-08	2.06E-08	1.89E-04	5.95E-08	2.53E-08	1.65E-04	5.22E-08	2.21E-08
1056	490429.25, 3859815.26	1.54E-04	4.86E-08	2.06E-08	1.89E-04	5.95E-08	2.53E-08	1.65E-04	5.22E-08	2.22E-08
1057	490229.25, 3859865.26	1.51E-04	4.76E-08	2.02E-08	1.85E-04	5.84E-08	2.48E-08	1.62E-04	5.12E-08	2.17E-08
1058	490279.25, 3859865.26	1.50E-04	4.74E-08	2.01E-08	1.84E-04	5.80E-08	2.46E-08	1.61E-04	5.09E-08	2.16E-08
1059	490329.25, 3859865.26	1.49E-04	4.71E-08	2.00E-08	1.83E-04	5.77E-08	2.45E-08	1.60E-04	5.06E-08	2.15E-08
1060	490379.25, 3859865.26	1.49E-04	4.69E-08	1.99E-08	1.82E-04	5.75E-08	2.44E-08	1.60E-04	5.04E-08	2.14E-08
1061	490429.25, 3859865.26	1.48E-04	4.68E-08	1.99E-08	1.82E-04	5.74E-08	2.43E-08	1.59E-04	5.03E-08	2.13E-08
1062	490229.25, 3859915.26	1.47E-04	4.63E-08	1.97E-08	1.80E-04	5.67E-08	2.41E-08	1.58E-04	4.98E-08	2.11E-08
1063	490279.25, 3859915.26	1.46E-04	4.60E-08	1.95E-08	1.78E-04	5.63E-08	2.39E-08	1.57E-04	4.94E-08	2.10E-08
1064	490329.25, 3859915.26	1.45E-04	4.57E-08	1.94E-08	1.77E-04	5.60E-08	2.38E-08	1.56E-04	4.91E-08	2.08E-08
1065	490379.25, 3859915.26	1.44E-04	4.55E-08	1.93E-08	1.77E-04	5.57E-08	2.36E-08	1.55E-04	4.89E-08	2.07E-08
1066	490429.25, 3859915.26	1.44E-04	4.53E-08	1.92E-08	1.76E-04	5.55E-08	2.35E-08	1.54E-04	4.87E-08	2.06E-08
1067	490451.43, 3859872.59	1.47E-04	4.65E-08	1.97E-08	1.81E-04	5.70E-08	2.42E-08	1.58E-04	5.00E-08	2.12E-08
1068	490501.43, 3859872.59	1.47E-04	4.65E-08	1.97E-08	1.81E-04	5.70E-08	2.42E-08	1.58E-04	5.00E-08	2.12E-08
1069	490551.43, 3859872.59	1.48E-04	4.66E-08	1.98E-08	1.81E-04	5.71E-08	2.42E-08	1.59E-04	5.01E-08	2.13E-08
1070	490601.43, 3859872.59	1.48E-04	4.67E-08	1.98E-08	1.81E-04	5.72E-08	2.43E-08	1.59E-04	5.02E-08	2.13E-08
1071	490451.43, 3859922.59	1.43E-04	4.50E-08	1.91E-08	1.75E-04	5.51E-08	2.34E-08	1.53E-04	4.84E-08	2.05E-08
1072	490501.43, 3859922.59	1.42E-04	4.49E-08	1.91E-08	1.74E-04	5.50E-08	2.33E-08	1.53E-04	4.82E-08	2.05E-08
1073	490551.43, 3859922.59	1.42E-04	4.49E-08	1.91E-08	1.74E-04	5.50E-08	2.34E-08	1.53E-04	4.83E-08	2.05E-08
1074	490601.43, 3859922.59	1.43E-04	4.50E-08	1.91E-08	1.75E-04	5.51E-08	2.34E-08	1.53E-04	4.83E-08	2.05E-08
1075	482129.67, 3852241.07	8.34E-05	2.63E-08	1.12E-08	1.02E-04	3.22E-08	1.37E-08	8.96E-05	2.83E-08	1.20E-08
1076	482029.67, 3852291.07	8.48E-05	2.68E-08	1.14E-08	1.04E-04	3.28E-08	1.39E-08	9.11E-05	2.88E-08	1.22E-08
1077	482079.67, 3852291.07	8.52E-05	2.69E-08	1.14E-08	1.04E-04	3.29E-08	1.40E-08	9.15E-05	2.89E-08	1.23E-08
1078	482129.67, 3852291.07	8.54E-05	2.69E-08	1.14E-08	1.05E-04	3.30E-08	1.40E-08	9.18E-05	2.90E-08	1.23E-08
1079	482179.67, 3852291.07	8.54E-05	2.70E-08	1.14E-08	1.05E-04	3.30E-08	1.40E-08	9.18E-05	2.90E-08	1.23E-08
1080	482229.67, 3852291.07	8.52E-05	2.69E-08	1.14E-08	1.04E-04	3.29E-08	1.40E-08	9.15E-05	2.89E-08	1.23E-08
1081	482029.67, 3852341.07	8.62E-05	2.72E-08	1.15E-08	1.06E-04	3.33E-08	1.41E-08	9.26E-05	2.92E-08	1.24E-08
1082	482079.67, 3852341.07	8.69E-05	2.74E-08	1.16E-08	1.06E-04	3.36E-08	1.42E-08	9.33E-05	2.95E-08	1.25E-08
1083	482129.67, 3852341.07	8.72E-05	2.75E-08	1.17E-08	1.07E-04	3.37E-08	1.43E-08	9.38E-05	2.96E-08	1.26E-08
1084	482179.67, 3852341.07	8.75E-05	2.76E-08	1.17E-08	1.07E-04	3.38E-08	1.44E-08	9.41E-05	2.97E-08	1.26E-08

1085	482259.06, 3852400.14	8.95E-05	2.83E-08	1.20E-08	1.10E-04	3.46E-08	1.47E-08	9.62E-05	3.04E-08	1.29E-08
1086	482309.06, 3852400.14	9.00E-05	2.84E-08	1.20E-08	1.10E-04	3.48E-08	1.48E-08	9.67E-05	3.05E-08	1.30E-08
1087	482209.06, 3852450.14	9.13E-05	2.88E-08	1.22E-08	1.12E-04	3.53E-08	1.50E-08	9.81E-05	3.10E-08	1.31E-08
1088	482259.06, 3852450.14	9.17E-05	2.89E-08	1.23E-08	1.12E-04	3.54E-08	1.50E-08	9.85E-05	3.11E-08	1.32E-08
1089	482309.06, 3852450.14	9.23E-05	2.91E-08	1.24E-08	1.13E-04	3.57E-08	1.51E-08	9.92E-05	3.13E-08	1.33E-08
1090	482209.06, 3852500.14	9.33E-05	2.94E-08	1.25E-08	1.14E-04	3.61E-08	1.53E-08	1.00E-04	3.16E-08	1.34E-08
1091	482259.06, 3852500.14	9.39E-05	2.96E-08	1.26E-08	1.15E-04	3.63E-08	1.54E-08	1.01E-04	3.18E-08	1.35E-08
1092	482309.06, 3852500.14	9.44E-05	2.98E-08	1.26E-08	1.16E-04	3.65E-08	1.55E-08	1.01E-04	3.20E-08	1.36E-08
1093	482283.91, 3852513.62	9.47E-05	2.99E-08	1.27E-08	1.16E-04	3.66E-08	1.55E-08	1.02E-04	3.21E-08	1.36E-08
1094	482333.91, 3852513.62	9.51E-05	3.00E-08	1.27E-08	1.17E-04	3.68E-08	1.56E-08	1.02E-04	3.23E-08	1.37E-08
1095	482283.91, 3852563.62	9.66E-05	3.05E-08	1.29E-08	1.18E-04	3.74E-08	1.59E-08	1.04E-04	3.28E-08	1.39E-08
1096	482333.91, 3852563.62	9.71E-05	3.06E-08	1.30E-08	1.19E-04	3.75E-08	1.59E-08	1.04E-04	3.29E-08	1.40E-08
1097	482383.91, 3852563.62	9.74E-05	3.07E-08	1.30E-08	1.19E-04	3.77E-08	1.60E-08	1.05E-04	3.30E-08	1.40E-08
1098	482283.91, 3852613.62	9.91E-05	3.13E-08	1.33E-08	1.21E-04	3.83E-08	1.63E-08	1.06E-04	3.36E-08	1.43E-08
1099	482333.91, 3852613.62	9.94E-05	3.14E-08	1.33E-08	1.22E-04	3.84E-08	1.63E-08	1.07E-04	3.37E-08	1.43E-08
1100	482383.91, 3852613.62	9.96E-05	3.14E-08	1.33E-08	1.22E-04	3.85E-08	1.63E-08	1.07E-04	3.38E-08	1.43E-08
1101	482602.38, 3852600.87	1.02E-04	3.21E-08	1.36E-08	1.24E-04	3.93E-08	1.67E-08	1.09E-04	3.45E-08	1.46E-08
1102	482652.38, 3852600.87	1.02E-04	3.21E-08	1.36E-08	1.25E-04	3.94E-08	1.67E-08	1.09E-04	3.45E-08	1.47E-08
1103	482702.38, 3852600.87	1.01E-04	3.19E-08	1.35E-08	1.24E-04	3.91E-08	1.66E-08	1.09E-04	3.43E-08	1.46E-08
1104	482552.38, 3852650.87	1.04E-04	3.29E-08	1.39E-08	1.28E-04	4.03E-08	1.71E-08	1.12E-04	3.53E-08	1.50E-08
1105	482602.38, 3852650.87	1.05E-04	3.30E-08	1.40E-08	1.28E-04	4.05E-08	1.72E-08	1.13E-04	3.55E-08	1.51E-08
1106	482652.38, 3852650.87	1.05E-04	3.32E-08	1.41E-08	1.29E-04	4.06E-08	1.72E-08	1.13E-04	3.57E-08	1.51E-08
1107	482702.38, 3852650.87	1.05E-04	3.32E-08	1.41E-08	1.29E-04	4.07E-08	1.73E-08	1.13E-04	3.57E-08	1.52E-08
1108	482552.38, 3852700.87	1.07E-04	3.37E-08	1.43E-08	1.31E-04	4.13E-08	1.75E-08	1.15E-04	3.63E-08	1.54E-08
1109	482602.38, 3852700.87	1.08E-04	3.40E-08	1.44E-08	1.32E-04	4.16E-08	1.77E-08	1.16E-04	3.65E-08	1.55E-08
1110	482652.38, 3852700.87	1.08E-04	3.40E-08	1.44E-08	1.32E-04	4.17E-08	1.77E-08	1.16E-04	3.66E-08	1.55E-08
1111	482702.38, 3852700.87	1.09E-04	3.43E-08	1.45E-08	1.33E-04	4.20E-08	1.78E-08	1.17E-04	3.68E-08	1.56E-08
1112	482452.38, 3852750.87	1.08E-04	3.40E-08	1.44E-08	1.32E-04	4.17E-08	1.77E-08	1.16E-04	3.66E-08	1.55E-08
1113	482521.29, 3852749.74	1.09E-04	3.44E-08	1.46E-08	1.33E-04	4.21E-08	1.79E-08	1.17E-04	3.69E-08	1.57E-08
1114	482571.29, 3852749.74	1.10E-04	3.46E-08	1.47E-08	1.34E-04	4.24E-08	1.80E-08	1.18E-04	3.72E-08	1.58E-08
1115	482521.29, 3852799.74	1.12E-04	3.52E-08	1.49E-08	1.37E-04	4.31E-08	1.83E-08	1.20E-04	3.78E-08	1.61E-08
1116	482571.29, 3852799.74	1.12E-04	3.55E-08	1.51E-08	1.38E-04	4.35E-08	1.85E-08	1.21E-04	3.82E-08	1.62E-08
1117	482621.29, 3852799.74	1.14E-04	3.59E-08	1.52E-08	1.39E-04	4.39E-08	1.86E-08	1.22E-04	3.86E-08	1.64E-08
1118	482571.29, 3852849.74	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.47E-08	1.90E-08	1.24E-04	3.92E-08	1.67E-08
1119	482621.29, 3852849.74	1.17E-04	3.70E-08	1.57E-08	1.44E-04	4.53E-08	1.92E-08	1.26E-04	3.98E-08	1.69E-08
1120	482577.42, 3852901.55	1.20E-04	3.77E-08	1.60E-08	1.46E-04	4.62E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
1121	482627.42, 3852901.55	1.21E-04	3.83E-08	1.62E-08	1.49E-04	4.69E-08	1.99E-08	1.30E-04	4.11E-08	1.75E-08
1122	482629.96, 3852955.85	1.25E-04	3.96E-08	1.68E-08	1.54E-04	4.85E-08	2.06E-08	1.35E-04	4.25E-08	1.80E-08
1123	482679.96, 3852955.85	1.27E-04	4.02E-08	1.70E-08	1.56E-04	4.92E-08	2.09E-08	1.37E-04	4.32E-08	1.83E-08
1124	482781.63, 3853034.48	1.38E-04	4.37E-08	1.85E-08	1.70E-04	5.35E-08	2.27E-08	1.49E-04	4.70E-08	1.99E-08
1125	482831.63, 3853034.48	1.39E-04	4.39E-08	1.86E-08	1.70E-04	5.38E-08	2.28E-08	1.50E-04	4.72E-08	2.00E-08
1126	482881.63, 3853034.48	1.39E-04	4.39E-08	1.86E-08	1.70E-04	5.38E-08	2.28E-08	1.50E-04	4.72E-08	2.00E-08
1127	482781.63, 3853084.48	1.44E-04	4.54E-08	1.93E-08	1.76E-04	5.56E-08	2.36E-08	1.55E-04	4.88E-08	2.07E-08
1128	482831.63, 3853084.48	1.45E-04	4.57E-08	1.94E-08	1.78E-04	5.60E-08	2.38E-08	1.56E-04	4.92E-08	2.09E-08
1129	482881.63, 3853084.48	1.45E-04	4.58E-08	1.94E-08	1.78E-04	5.61E-08	2.38E-08	1.56E-04	4.92E-08	2.09E-08
1130	482781.63, 3853134.48	1.50E-04	4.72E-08	2.00E-08	1.83E-04	5.79E-08	2.45E-08	1.61E-04	5.08E-08	2.15E-08
1131	482831.63, 3853134.48	1.51E-04	4.77E-08	2.02E-08	1.85E-04	5.84E-08	2.48E-08	1.62E-04	5.13E-08	2.17E-08
1132	482881.63, 3853134.48	1.51E-04	4.77E-08	2.02E-08	1.85E-04	5.85E-08	2.48E-08	1.63E-04	5.13E-08	2.18E-08
1133	482831.63, 3853184.48	1.58E-04	4.98E-08	2.11E-08	1.93E-04	6.10E-08	2.59E-08	1.70E-04	5.36E-08	2.27E-08
1134	482881.63, 3853184.48	1.58E-04	4.99E-08	2.12E-08	1.94E-04	6.11E-08	2.59E-08	1.70E-04	5.37E-08	2.28E-08
1135	484154.84, 3854250.98	5.53E-04	1.74E-07	7.40E-08	6.77E-04	2.14E-07	9.07E-08	5.95E-04	1.88E-07	7.97E-08
1136	484204.84, 3854250.98	5.36E-04	1.69E-07	7.18E-08	6.57E-04	2.07E-07	8.80E-08	5.77E-04	1.82E-07	7.73E-08
1137	484154.84, 3854300.98	5.73E-04	1.81E-07	7.68E-08	7.03E-04	2.22E-07	9.41E-08	6.17E-04	1.95E-07	8.27E-08
1138	484204.84, 3854300.98	5.64E-04	1.78E-07	7.56E-08	6.92E-04	2.18E-07	9.26E-08	6.08E-04	1.92E-07	8.14E-08
1139	484074.19, 3854519.8	9.25E-04	2.92E-07	1.24E-07	1.13E-03	3.58E-07	1.52E-07	9.95E-04	3.14E-07	1.33E-07
1140	484124.19, 3854519.8	8.79E-04	2.77E-07	1.18E-07	1.08E-03	3.40E-07	1.44E-07	9.46E-04	2.99E-07	1.27E-07
1141	484074.19, 3854569.8	1.10E-03	3.48E-07	1.48E-07	1.35E-03	4.26E-07	1.81E-07	1.19E-03	3.75E-07	1.59E-07
1142	484124.19, 3854569.8	1.03E-03	3.25E-07	1.38E-07	1.26E-03	3.98E-07	1.69E-07	1.11E-03	3.50E-07	1.48E-07
1143	485205.11, 3855188.89	4.23E-03	1.33E-06	5.66E-07	5.18E-03	1.64E-06	6.94E-07	4.54E-03	1.43E-06	6.08E-07
1144	485255.11, 3855188.89	3.78E-03	1.19E-06	5.06E-07	4.63E-03	1.46E-06	6.20E-07	4.06E-03	1.28E-06	5.43E-07
1145	485205.11, 3855238.89	4.63E-03	1.46E-06	6.20E-07	5.68E-03	1.79E-06	7.60E-07	4.98E-03	1.57E-06	6.67E-07
1146	485255.11, 3855238.89	4.18E-03	1.32E-06	5.60E-07	5.12E-03	1.62E-06	6.86E-07	4.49E-03	1.42E-06	6.01E-07
1147	485205.11, 3855288.89	5.65E-03	1.78E-06	7.56E-07	6.92E-03	2.18E-06	9.26E-07	6.08E-03	1.92E-06	8.14E-07
1148	485255.11, 3855288.89	4.89E-03	1.54E-06	6.55E-07	5.99E-03	1.89E-06	8.02E-07	5.26E-03	1.66E-06	7.05E-07

1149	485255.11, 3855338.89	5.85E-03	1.85E-06	7.83E-07	7.16E-03	2.26E-06	9.59E-07	6.30E-03	1.99E-06	8.43E-07
1150	485305.11, 3855338.89	5.06E-03	1.60E-06	6.77E-07	6.19E-03	1.96E-06	8.30E-07	5.44E-03	1.72E-06	7.29E-07
1151	485852.5, 3855635.28	3.50E-03	1.11E-06	4.69E-07	4.29E-03	1.35E-06	5.75E-07	3.78E-03	1.19E-06	5.06E-07
1152	485902.5, 3855635.28	3.23E-03	1.02E-06	4.32E-07	3.96E-03	1.25E-06	5.30E-07	3.48E-03	1.10E-06	4.66E-07
1153	485852.5, 3855685.28	3.83E-03	1.21E-06	5.13E-07	4.69E-03	1.48E-06	6.28E-07	4.13E-03	1.30E-06	5.53E-07
1154	485902.5, 3855685.28	3.50E-03	1.10E-06	4.68E-07	4.28E-03	1.35E-06	5.74E-07	3.77E-03	1.19E-06	5.05E-07
1155	485852.5, 3855735.28	4.23E-03	1.33E-06	5.66E-07	5.18E-03	1.63E-06	6.93E-07	4.56E-03	1.44E-06	6.11E-07
1156	485902.5, 3855735.28	3.85E-03	1.22E-06	5.16E-07	4.72E-03	1.49E-06	6.32E-07	4.15E-03	1.31E-06	5.56E-07
1157	485852.5, 3855785.28	4.81E-03	1.52E-06	6.45E-07	5.90E-03	1.86E-06	7.90E-07	5.19E-03	1.64E-06	6.96E-07
1158	485902.5, 3855785.28	4.24E-03	1.34E-06	5.68E-07	5.19E-03	1.64E-06	6.96E-07	4.57E-03	1.44E-06	6.13E-07
1159	486809.46, 3856465.28	3.76E-03	1.19E-06	5.03E-07	4.61E-03	1.45E-06	6.17E-07	4.06E-03	1.28E-06	5.43E-07
1160	486859.46, 3856465.28	3.52E-03	1.11E-06	4.71E-07	4.31E-03	1.36E-06	5.77E-07	3.80E-03	1.20E-06	5.09E-07
1161	486909.46, 3856465.28	3.31E-03	1.04E-06	4.43E-07	4.06E-03	1.28E-06	5.43E-07	3.57E-03	1.13E-06	4.78E-07
1162	486809.46, 3856515.28	4.12E-03	1.30E-06	5.51E-07	5.04E-03	1.59E-06	6.75E-07	4.44E-03	1.40E-06	5.95E-07
1163	486859.46, 3856515.28	3.82E-03	1.21E-06	5.12E-07	4.68E-03	1.48E-06	6.27E-07	4.12E-03	1.30E-06	5.52E-07
1164	486909.46, 3856515.28	3.57E-03	1.13E-06	4.78E-07	4.37E-03	1.38E-06	5.86E-07	3.85E-03	1.22E-06	5.16E-07
1165	486980.94, 3856357.95	2.68E-03	8.45E-07	3.59E-07	3.28E-03	1.04E-06	4.39E-07	2.89E-03	9.12E-07	3.87E-07
1166	487030.94, 3856357.95	2.57E-03	8.10E-07	3.44E-07	3.14E-03	9.92E-07	4.21E-07	2.77E-03	8.73E-07	3.71E-07
1167	486980.94, 3856407.95	2.85E-03	8.98E-07	3.81E-07	3.49E-03	1.10E-06	4.67E-07	3.07E-03	9.69E-07	4.11E-07
1168	487030.94, 3856407.95	2.72E-03	8.57E-07	3.64E-07	3.33E-03	1.05E-06	4.45E-07	2.93E-03	9.25E-07	3.92E-07
1169	487447.18, 3856437.45	2.03E-03	6.40E-07	2.72E-07	2.48E-03	7.84E-07	3.33E-07	2.19E-03	6.90E-07	2.93E-07
1170	487497.18, 3856437.45	1.96E-03	6.20E-07	2.63E-07	2.40E-03	7.59E-07	3.22E-07	2.12E-03	6.68E-07	2.83E-07
1171	487547.18, 3856437.45	1.90E-03	6.00E-07	2.55E-07	2.33E-03	7.35E-07	3.12E-07	2.05E-03	6.47E-07	2.75E-07
1172	487447.18, 3856487.45	2.11E-03	6.66E-07	2.82E-07	2.58E-03	8.15E-07	3.46E-07	2.27E-03	7.18E-07	3.05E-07
1173	487497.18, 3856487.45	2.04E-03	6.43E-07	2.73E-07	2.50E-03	7.88E-07	3.34E-07	2.20E-03	6.94E-07	2.94E-07
1174	487547.18, 3856487.45	1.97E-03	6.22E-07	2.64E-07	2.41E-03	7.62E-07	3.23E-07	2.13E-03	6.71E-07	2.85E-07
1175	487447.18, 3856537.45	2.19E-03	6.93E-07	2.94E-07	2.69E-03	8.48E-07	3.60E-07	2.37E-03	7.47E-07	3.17E-07
1176	487497.18, 3856537.45	2.12E-03	6.68E-07	2.83E-07	2.59E-03	8.18E-07	3.47E-07	2.28E-03	7.20E-07	3.06E-07
1177	487547.18, 3856537.45	2.04E-03	6.45E-07	2.74E-07	2.50E-03	7.90E-07	3.35E-07	2.20E-03	6.95E-07	2.95E-07
1178	489285.89, 3858826.54	7.69E-04	2.43E-07	1.03E-07	9.42E-04	2.97E-07	1.26E-07	8.29E-04	2.62E-07	1.11E-07
1179	489335.89, 3858826.54	7.18E-04	2.27E-07	9.61E-08	8.80E-04	2.78E-07	1.18E-07	7.74E-04	2.44E-07	1.04E-07
1180	489385.89, 3858826.54	6.75E-04	2.13E-07	9.04E-08	8.27E-04	2.61E-07	1.11E-07	7.27E-04	2.30E-07	9.74E-08
1181	489435.89, 3858826.54	6.39E-04	2.02E-07	8.56E-08	7.83E-04	2.47E-07	1.05E-07	6.89E-04	2.17E-07	9.22E-08
1182	489485.89, 3858826.54	6.09E-04	1.92E-07	8.16E-08	7.46E-04	2.36E-07	9.99E-08	6.56E-04	2.07E-07	8.78E-08
1183	489535.89, 3858826.54	5.83E-04	1.84E-07	7.81E-08	7.14E-04	2.25E-07	9.57E-08	6.28E-04	1.98E-07	8.41E-08
1184	489585.89, 3858826.54	5.60E-04	1.77E-07	7.51E-08	6.87E-04	2.17E-07	9.19E-08	6.03E-04	1.90E-07	8.08E-08
1185	489635.89, 3858826.54	5.41E-04	1.71E-07	7.24E-08	6.62E-04	2.09E-07	8.87E-08	5.82E-04	1.84E-07	7.79E-08
1186	489685.89, 3858826.54	5.23E-04	1.65E-07	7.00E-08	6.40E-04	2.02E-07	8.57E-08	5.63E-04	1.78E-07	7.53E-08
1187	489735.89, 3858826.54	5.07E-04	1.60E-07	6.78E-08	6.21E-04	1.96E-07	8.31E-08	5.45E-04	1.72E-07	7.30E-08
1188	489785.89, 3858826.54	4.92E-04	1.55E-07	6.59E-08	6.03E-04	1.90E-07	8.07E-08	5.30E-04	1.67E-07	7.09E-08
1189	489835.89, 3858826.54	4.79E-04	1.51E-07	6.41E-08	5.87E-04	1.85E-07	7.85E-08	5.15E-04	1.63E-07	6.90E-08
1190	489885.89, 3858826.54	4.67E-04	1.47E-07	6.25E-08	5.72E-04	1.80E-07	7.66E-08	5.02E-04	1.59E-07	6.73E-08
1191	489935.89, 3858826.54	4.56E-04	1.44E-07	6.10E-08	5.58E-04	1.76E-07	7.48E-08	4.90E-04	1.55E-07	6.57E-08
1192	489985.89, 3858826.54	4.46E-04	1.41E-07	5.97E-08	5.46E-04	1.72E-07	7.31E-08	4.79E-04	1.51E-07	6.42E-08
1193	490035.89, 3858826.54	4.36E-04	1.38E-07	5.84E-08	5.34E-04	1.69E-07	7.15E-08	4.69E-04	1.48E-07	6.28E-08
1194	489285.89, 3858876.54	7.03E-04	2.22E-07	9.42E-08	8.62E-04	2.72E-07	1.15E-07	7.58E-04	2.39E-07	1.02E-07
1195	489335.89, 3858876.54	6.60E-04	2.08E-07	8.84E-08	8.09E-04	2.55E-07	1.08E-07	7.11E-04	2.25E-07	9.53E-08
1196	489385.89, 3858876.54	6.24E-04	1.97E-07	8.36E-08	7.65E-04	2.41E-07	1.02E-07	6.73E-04	2.12E-07	9.01E-08
1197	489435.89, 3858876.54	5.94E-04	1.87E-07	7.95E-08	7.27E-04	2.30E-07	9.74E-08	6.40E-04	2.02E-07	8.57E-08
1198	489485.89, 3858876.54	5.67E-04	1.79E-07	7.60E-08	6.95E-04	2.19E-07	9.31E-08	6.11E-04	1.93E-07	8.18E-08
1199	489535.89, 3858876.54	5.45E-04	1.72E-07	7.29E-08	6.67E-04	2.11E-07	8.94E-08	5.87E-04	1.85E-07	7.85E-08
1200	489585.89, 3858876.54	5.25E-04	1.66E-07	7.03E-08	6.43E-04	2.03E-07	8.61E-08	5.65E-04	1.78E-07	7.57E-08
1201	489635.89, 3858876.54	5.08E-04	1.60E-07	6.80E-08	6.22E-04	1.96E-07	8.33E-08	5.46E-04	1.72E-07	7.32E-08
1202	489685.89, 3858876.54	4.92E-04	1.55E-07	6.59E-08	6.03E-04	1.90E-07	8.07E-08	5.30E-04	1.67E-07	7.09E-08
1203	489735.89, 3858876.54	4.78E-04	1.51E-07	6.40E-08	5.86E-04	1.85E-07	7.84E-08	5.14E-04	1.62E-07	6.89E-08
1204	489785.89, 3858876.54	4.65E-04	1.47E-07	6.23E-08	5.70E-04	1.80E-07	7.63E-08	5.01E-04	1.58E-07	6.70E-08
1205	489835.89, 3858876.54	4.54E-04	1.43E-07	6.07E-08	5.56E-04	1.75E-07	7.44E-08	4.88E-04	1.54E-07	6.54E-08
1206	489885.89, 3858876.54	4.43E-04	1.40E-07	5.93E-08	5.43E-04	1.71E-07	7.27E-08	4.77E-04	1.50E-07	6.38E-08
1207	489935.89, 3858876.54	4.33E-04	1.37E-07	5.80E-08	5.31E-04	1.67E-07	7.11E-08	4.66E-04	1.47E-07	6.24E-08
1208	489985.89, 3858876.54	4.24E-04	1.34E-07	5.68E-08	5.19E-04	1.64E-07	6.96E-08	4.56E-04	1.44E-07	6.11E-08
1209	490035.89, 3858876.54	4.16E-04	1.31E-07	5.57E-08	5.09E-04	1.61E-07	6.82E-08	4.47E-04	1.41E-07	5.99E-08
1210	489285.89, 3858926.54	6.23E-04	1.97E-07	8.34E-08	7.63E-04	2.41E-07	1.02E-07	6.71E-04	2.12E-07	8.99E-08
1211	489335.89, 3858926.54	5.92E-04	1.87E-07	7.93E-08	7.26E-04	2.29E-07	9.72E-08	6.38E-04	2.01E-07	8.55E-08
1212	489385.89, 3858926.54	5.66E-04	1.79E-07	7.57E-08	6.93E-04	2.19E-07	9.28E-08	6.09E-04	1.92E-07	8.16E-08

1213	489435.89, 3858926.54	5.42E-04	1.71E-07	7.26E-08	6.64E-04	2.10E-07	8.90E-08	5.84E-04	1.84E-07	7.82E-08
1214	489485.89, 3858926.54	5.22E-04	1.65E-07	6.99E-08	6.39E-04	2.02E-07	8.56E-08	5.62E-04	1.77E-07	7.52E-08
1215	489535.89, 3858926.54	5.03E-04	1.59E-07	6.74E-08	6.17E-04	1.95E-07	8.26E-08	5.42E-04	1.71E-07	7.26E-08
1216	489585.89, 3858926.54	4.87E-04	1.54E-07	6.52E-08	5.97E-04	1.88E-07	7.99E-08	5.24E-04	1.65E-07	7.02E-08
1217	489635.89, 3858926.54	4.72E-04	1.49E-07	6.33E-08	5.79E-04	1.83E-07	7.75E-08	5.09E-04	1.61E-07	6.81E-08
1218	489685.89, 3858926.54	4.60E-04	1.45E-07	6.16E-08	5.63E-04	1.78E-07	7.54E-08	4.95E-04	1.56E-07	6.63E-08
1219	489735.89, 3858926.54	4.48E-04	1.41E-07	6.00E-08	5.49E-04	1.73E-07	7.35E-08	4.82E-04	1.52E-07	6.46E-08
1220	489785.89, 3858926.54	4.37E-04	1.38E-07	5.86E-08	5.36E-04	1.69E-07	7.17E-08	4.71E-04	1.49E-07	6.30E-08
1221	489835.89, 3858926.54	4.27E-04	1.35E-07	5.72E-08	5.24E-04	1.65E-07	7.01E-08	4.60E-04	1.45E-07	6.16E-08
1222	489885.89, 3858926.54	4.18E-04	1.32E-07	5.60E-08	5.13E-04	1.62E-07	6.86E-08	4.50E-04	1.42E-07	6.03E-08
1223	489935.89, 3858926.54	4.10E-04	1.29E-07	5.49E-08	5.02E-04	1.59E-07	6.73E-08	4.41E-04	1.39E-07	5.91E-08
1224	489985.89, 3858926.54	4.02E-04	1.27E-07	5.38E-08	4.93E-04	1.55E-07	6.60E-08	4.32E-04	1.36E-07	5.79E-08
1225	490035.89, 3858926.54	3.95E-04	1.25E-07	5.28E-08	4.83E-04	1.53E-07	6.47E-08	4.24E-04	1.34E-07	5.68E-08
1226	489335.89, 3858976.54	5.23E-04	1.65E-07	7.00E-08	6.41E-04	2.02E-07	8.58E-08	5.63E-04	1.78E-07	7.54E-08
1227	489385.89, 3858976.54	5.06E-04	1.60E-07	6.77E-08	6.19E-04	1.95E-07	8.29E-08	5.44E-04	1.72E-07	7.29E-08
1228	489435.89, 3858976.54	4.90E-04	1.55E-07	6.56E-08	6.00E-04	1.89E-07	8.03E-08	5.27E-04	1.66E-07	7.06E-08
1229	489485.89, 3858976.54	4.75E-04	1.50E-07	6.36E-08	5.82E-04	1.84E-07	7.79E-08	5.11E-04	1.61E-07	6.85E-08
1230	489535.89, 3858976.54	4.61E-04	1.46E-07	6.18E-08	5.65E-04	1.78E-07	7.57E-08	4.97E-04	1.57E-07	6.65E-08
1231	489585.89, 3858976.54	4.49E-04	1.42E-07	6.01E-08	5.50E-04	1.74E-07	7.36E-08	4.83E-04	1.53E-07	6.47E-08
1232	489635.89, 3858976.54	4.37E-04	1.38E-07	5.86E-08	5.36E-04	1.69E-07	7.18E-08	4.71E-04	1.49E-07	6.30E-08
1233	489685.89, 3858976.54	4.27E-04	1.35E-07	5.72E-08	5.23E-04	1.65E-07	7.00E-08	4.59E-04	1.45E-07	6.15E-08
1234	489735.89, 3858976.54	4.17E-04	1.32E-07	5.59E-08	5.11E-04	1.61E-07	6.85E-08	4.49E-04	1.42E-07	6.01E-08
1235	489785.89, 3858976.54	4.09E-04	1.29E-07	5.47E-08	5.01E-04	1.58E-07	6.70E-08	4.40E-04	1.39E-07	5.89E-08
1236	489835.89, 3858976.54	4.01E-04	1.26E-07	5.37E-08	4.91E-04	1.55E-07	6.57E-08	4.31E-04	1.36E-07	5.77E-08
1237	489885.89, 3858976.54	3.94E-04	1.24E-07	5.27E-08	4.82E-04	1.52E-07	6.45E-08	4.23E-04	1.34E-07	5.67E-08
1238	489935.89, 3858976.54	3.86E-04	1.22E-07	5.18E-08	4.73E-04	1.49E-07	6.34E-08	4.16E-04	1.31E-07	5.57E-08
1239	489985.89, 3858976.54	3.80E-04	1.20E-07	5.09E-08	4.65E-04	1.47E-07	6.23E-08	4.09E-04	1.29E-07	5.47E-08
1240	490035.89, 3858976.54	3.73E-04	1.18E-07	5.00E-08	4.57E-04	1.44E-07	6.12E-08	4.01E-04	1.27E-07	5.37E-08
1241	489385.89, 3859026.54	4.49E-04	1.42E-07	6.02E-08	5.50E-04	1.74E-07	7.37E-08	4.84E-04	1.53E-07	6.48E-08
1242	489435.89, 3859026.54	4.39E-04	1.39E-07	5.88E-08	5.38E-04	1.70E-07	7.21E-08	4.73E-04	1.49E-07	6.33E-08
1243	489485.89, 3859026.54	4.30E-04	1.36E-07	5.75E-08	5.26E-04	1.66E-07	7.05E-08	4.63E-04	1.46E-07	6.20E-08
1244	489535.89, 3859026.54	4.21E-04	1.33E-07	5.63E-08	5.15E-04	1.63E-07	6.90E-08	4.53E-04	1.43E-07	6.06E-08
1245	489585.89, 3859026.54	4.12E-04	1.30E-07	5.51E-08	5.04E-04	1.59E-07	6.75E-08	4.43E-04	1.40E-07	5.93E-08
1246	489635.89, 3859026.54	4.03E-04	1.27E-07	5.40E-08	4.94E-04	1.56E-07	6.62E-08	4.34E-04	1.37E-07	5.81E-08
1247	489685.89, 3859026.54	3.95E-04	1.25E-07	5.29E-08	4.84E-04	1.53E-07	6.49E-08	4.25E-04	1.34E-07	5.70E-08
1248	489735.89, 3859026.54	3.88E-04	1.22E-07	5.20E-08	4.75E-04	1.50E-07	6.36E-08	4.17E-04	1.32E-07	5.59E-08
1249	489785.89, 3859026.54	3.81E-04	1.20E-07	5.10E-08	4.67E-04	1.47E-07	6.25E-08	4.10E-04	1.29E-07	5.49E-08
1250	489835.89, 3859026.54	3.75E-04	1.18E-07	5.02E-08	4.59E-04	1.45E-07	6.15E-08	4.03E-04	1.27E-07	5.40E-08
1251	489885.89, 3859026.54	3.69E-04	1.16E-07	4.94E-08	4.52E-04	1.43E-07	6.05E-08	3.97E-04	1.25E-07	5.31E-08
1252	489935.89, 3859026.54	3.63E-04	1.15E-07	4.86E-08	4.45E-04	1.40E-07	5.96E-08	3.91E-04	1.23E-07	5.23E-08
1253	489985.89, 3859026.54	3.58E-04	1.13E-07	4.79E-08	4.38E-04	1.38E-07	5.87E-08	3.85E-04	1.21E-07	5.15E-08
1254	490035.89, 3859026.54	3.52E-04	1.11E-07	4.71E-08	4.31E-04	1.36E-07	5.77E-08	3.79E-04	1.19E-07	5.07E-08
1255	489485.89, 3859076.54	3.89E-04	1.23E-07	5.21E-08	4.76E-04	1.50E-07	6.38E-08	4.19E-04	1.32E-07	5.60E-08
1256	489535.89, 3859076.54	3.83E-04	1.21E-07	5.13E-08	4.69E-04	1.48E-07	6.28E-08	4.12E-04	1.30E-07	5.52E-08
1257	489585.89, 3859076.54	3.77E-04	1.19E-07	5.05E-08	4.62E-04	1.46E-07	6.19E-08	4.06E-04	1.28E-07	5.43E-08
1258	489635.89, 3859076.54	3.71E-04	1.17E-07	4.97E-08	4.55E-04	1.44E-07	6.09E-08	3.99E-04	1.26E-07	5.35E-08
1259	489685.89, 3859076.54	3.65E-04	1.15E-07	4.89E-08	4.48E-04	1.41E-07	5.99E-08	3.93E-04	1.24E-07	5.27E-08
1260	489735.89, 3859076.54	3.60E-04	1.14E-07	4.82E-08	4.41E-04	1.39E-07	5.91E-08	3.87E-04	1.22E-07	5.19E-08
1261	489785.89, 3859076.54	3.55E-04	1.12E-07	4.75E-08	4.35E-04	1.37E-07	5.82E-08	3.82E-04	1.20E-07	5.11E-08
1262	489835.89, 3859076.54	3.50E-04	1.10E-07	4.68E-08	4.28E-04	1.35E-07	5.74E-08	3.76E-04	1.19E-07	5.04E-08
1263	489885.89, 3859076.54	3.45E-04	1.09E-07	4.62E-08	4.22E-04	1.33E-07	5.66E-08	3.71E-04	1.17E-07	4.97E-08
1264	489935.89, 3859076.54	3.40E-04	1.07E-07	4.56E-08	4.17E-04	1.32E-07	5.58E-08	3.66E-04	1.16E-07	4.90E-08
1265	489985.89, 3859076.54	3.36E-04	1.06E-07	4.50E-08	4.12E-04	1.30E-07	5.52E-08	3.62E-04	1.14E-07	4.84E-08
1266	490035.89, 3859076.54	3.32E-04	1.05E-07	4.44E-08	4.06E-04	1.28E-07	5.44E-08	3.57E-04	1.13E-07	4.78E-08
1267	489585.89, 3859126.54	3.46E-04	1.09E-07	4.63E-08	4.24E-04	1.34E-07	5.67E-08	3.72E-04	1.17E-07	4.98E-08
1268	489635.89, 3859126.54	3.42E-04	1.08E-07	4.58E-08	4.19E-04	1.32E-07	5.61E-08	3.68E-04	1.16E-07	4.93E-08
1269	489685.89, 3859126.54	3.38E-04	1.07E-07	4.52E-08	4.14E-04	1.31E-07	5.54E-08	3.64E-04	1.15E-07	4.87E-08
1270	489735.89, 3859126.54	3.34E-04	1.05E-07	4.47E-08	4.09E-04	1.29E-07	5.48E-08	3.59E-04	1.13E-07	4.81E-08
1271	489785.89, 3859126.54	3.30E-04	1.04E-07	4.42E-08	4.04E-04	1.28E-07	5.41E-08	3.55E-04	1.12E-07	4.75E-08
1272	489835.89, 3859126.54	3.26E-04	1.03E-07	4.37E-08	4.00E-04	1.26E-07	5.35E-08	3.51E-04	1.11E-07	4.70E-08
1273	489885.89, 3859126.54	3.23E-04	1.02E-07	4.32E-08	3.95E-04	1.25E-07	5.29E-08	3.47E-04	1.09E-07	4.65E-08
1274	489935.89, 3859126.54	3.19E-04	1.01E-07	4.27E-08	3.91E-04	1.23E-07	5.23E-08	3.43E-04	1.08E-07	4.59E-08
1275	489985.89, 3859126.54	3.16E-04	9.96E-08	4.23E-08	3.87E-04	1.22E-07	5.18E-08	3.39E-04	1.07E-07	4.55E-08
1276	490035.89, 3859126.54	3.12E-04	9.86E-08	4.18E-08	3.83E-04	1.21E-07	5.12E-08	3.36E-04	1.06E-07	4.50E-08

1277	489585.89, 3859176.54	3.18E-04	1.00E-07	4.26E-08	3.90E-04	1.23E-07	5.22E-08	3.42E-04	1.08E-07	4.58E-08
1278	489635.89, 3859176.54	3.16E-04	9.97E-08	4.23E-08	3.87E-04	1.22E-07	5.18E-08	3.40E-04	1.07E-07	4.55E-08
1279	489685.89, 3859176.54	3.13E-04	9.88E-08	4.19E-08	3.83E-04	1.21E-07	5.14E-08	3.37E-04	1.06E-07	4.51E-08
1280	489735.89, 3859176.54	3.10E-04	9.79E-08	4.15E-08	3.80E-04	1.20E-07	5.09E-08	3.34E-04	1.05E-07	4.47E-08
1281	489785.89, 3859176.54	3.08E-04	9.71E-08	4.12E-08	3.77E-04	1.19E-07	5.05E-08	3.31E-04	1.04E-07	4.43E-08
1282	489835.89, 3859176.54	3.05E-04	9.62E-08	4.08E-08	3.73E-04	1.18E-07	5.00E-08	3.28E-04	1.03E-07	4.39E-08
1283	489885.89, 3859176.54	3.02E-04	9.54E-08	4.05E-08	3.70E-04	1.17E-07	4.96E-08	3.25E-04	1.03E-07	4.35E-08
1284	489935.89, 3859176.54	2.99E-04	9.45E-08	4.01E-08	3.67E-04	1.16E-07	4.91E-08	3.22E-04	1.02E-07	4.31E-08
1285	489985.89, 3859176.54	2.97E-04	9.36E-08	3.97E-08	3.63E-04	1.15E-07	4.86E-08	3.19E-04	1.01E-07	4.27E-08
1286	490035.89, 3859176.54	2.94E-04	9.28E-08	3.94E-08	3.60E-04	1.14E-07	4.82E-08	3.16E-04	9.98E-08	4.23E-08
1287	489685.89, 3859226.54	2.91E-04	9.18E-08	3.90E-08	3.56E-04	1.12E-07	4.77E-08	3.13E-04	9.88E-08	4.19E-08
1288	489735.89, 3859226.54	2.89E-04	9.12E-08	3.87E-08	3.54E-04	1.12E-07	4.74E-08	3.11E-04	9.81E-08	4.16E-08
1289	489785.89, 3859226.54	2.87E-04	9.06E-08	3.85E-08	3.52E-04	1.11E-07	4.71E-08	3.09E-04	9.75E-08	4.14E-08
1290	489835.89, 3859226.54	2.85E-04	9.01E-08	3.82E-08	3.50E-04	1.10E-07	4.68E-08	3.07E-04	9.69E-08	4.11E-08
1291	489885.89, 3859226.54	2.83E-04	8.95E-08	3.80E-08	3.47E-04	1.10E-07	4.65E-08	3.05E-04	9.62E-08	4.08E-08
1292	489935.89, 3859226.54	2.81E-04	8.88E-08	3.77E-08	3.45E-04	1.09E-07	4.62E-08	3.03E-04	9.55E-08	4.05E-08
1293	489985.89, 3859226.54	2.79E-04	8.81E-08	3.74E-08	3.42E-04	1.08E-07	4.58E-08	3.00E-04	9.47E-08	4.02E-08
1294	490035.89, 3859226.54	2.77E-04	8.75E-08	3.71E-08	3.39E-04	1.07E-07	4.55E-08	2.98E-04	9.40E-08	3.99E-08
1295	489735.89, 3859276.54	2.70E-04	8.52E-08	3.61E-08	3.31E-04	1.04E-07	4.43E-08	2.90E-04	9.16E-08	3.89E-08
1296	489785.89, 3859276.54	2.69E-04	8.48E-08	3.60E-08	3.29E-04	1.04E-07	4.41E-08	2.89E-04	9.12E-08	3.87E-08
1297	489835.89, 3859276.54	2.68E-04	8.45E-08	3.58E-08	3.28E-04	1.03E-07	4.39E-08	2.88E-04	9.08E-08	3.85E-08
1298	489885.89, 3859276.54	2.66E-04	8.40E-08	3.57E-08	3.26E-04	1.03E-07	4.37E-08	2.86E-04	9.04E-08	3.83E-08
1299	489935.89, 3859276.54	2.65E-04	8.36E-08	3.55E-08	3.25E-04	1.02E-07	4.35E-08	2.85E-04	8.99E-08	3.82E-08
1300	489985.89, 3859276.54	2.63E-04	8.31E-08	3.53E-08	3.22E-04	1.02E-07	4.32E-08	2.83E-04	8.93E-08	3.79E-08
1301	490035.89, 3859276.54	2.62E-04	8.26E-08	3.50E-08	3.21E-04	1.01E-07	4.29E-08	2.81E-04	8.88E-08	3.77E-08
1302	490458.06, 3859590.74	1.87E-04	5.89E-08	2.50E-08	2.29E-04	7.22E-08	3.06E-08	2.01E-04	6.33E-08	2.69E-08
1303	490508.06, 3859590.74	1.87E-04	5.90E-08	2.50E-08	2.29E-04	7.22E-08	3.06E-08	2.01E-04	6.33E-08	2.69E-08
1304	490558.06, 3859590.74	1.87E-04	5.90E-08	2.50E-08	2.29E-04	7.22E-08	3.07E-08	2.01E-04	6.34E-08	2.69E-08
1305	490608.06, 3859590.74	1.87E-04	5.90E-08	2.50E-08	2.29E-04	7.22E-08	3.06E-08	2.01E-04	6.33E-08	2.69E-08
1306	490658.06, 3859590.74	1.87E-04	5.89E-08	2.50E-08	2.29E-04	7.21E-08	3.06E-08	2.01E-04	6.33E-08	2.69E-08
1307	490708.06, 3859590.74	1.86E-04	5.88E-08	2.50E-08	2.28E-04	7.21E-08	3.06E-08	2.00E-04	6.32E-08	2.68E-08
1308	490758.06, 3859590.74	1.86E-04	5.87E-08	2.49E-08	2.28E-04	7.19E-08	3.05E-08	2.00E-04	6.31E-08	2.68E-08
1309	490808.06, 3859590.74	1.86E-04	5.86E-08	2.49E-08	2.27E-04	7.18E-08	3.05E-08	1.99E-04	6.30E-08	2.67E-08
1310	490858.06, 3859590.74	1.85E-04	5.85E-08	2.48E-08	2.27E-04	7.16E-08	3.04E-08	1.99E-04	6.28E-08	2.66E-08
1311	490458.06, 3859640.74	1.79E-04	5.63E-08	2.39E-08	2.19E-04	6.90E-08	2.93E-08	1.92E-04	6.05E-08	2.57E-08
1312	490508.06, 3859640.74	1.79E-04	5.64E-08	2.39E-08	2.19E-04	6.90E-08	2.93E-08	1.92E-04	6.06E-08	2.57E-08
1313	490558.06, 3859640.74	1.79E-04	5.64E-08	2.39E-08	2.19E-04	6.91E-08	2.93E-08	1.92E-04	6.06E-08	2.57E-08
1314	490608.06, 3859640.74	1.79E-04	5.65E-08	2.40E-08	2.19E-04	6.92E-08	2.94E-08	1.92E-04	6.07E-08	2.58E-08
1315	490658.06, 3859640.74	1.79E-04	5.65E-08	2.40E-08	2.19E-04	6.93E-08	2.94E-08	1.93E-04	6.08E-08	2.58E-08
1316	490708.06, 3859640.74	1.79E-04	5.65E-08	2.40E-08	2.19E-04	6.92E-08	2.94E-08	1.92E-04	6.07E-08	2.58E-08
1317	490758.06, 3859640.74	1.79E-04	5.65E-08	2.40E-08	2.19E-04	6.92E-08	2.93E-08	1.92E-04	6.07E-08	2.57E-08
1318	490808.06, 3859640.74	1.79E-04	5.64E-08	2.39E-08	2.19E-04	6.91E-08	2.93E-08	1.92E-04	6.06E-08	2.57E-08
1319	490858.06, 3859640.74	1.78E-04	5.63E-08	2.39E-08	2.19E-04	6.90E-08	2.93E-08	1.92E-04	6.05E-08	2.57E-08
1320	490608.06, 3859690.74	1.71E-04	5.41E-08	2.30E-08	2.10E-04	6.63E-08	2.81E-08	1.84E-04	5.82E-08	2.47E-08
1321	490658.06, 3859690.74	1.72E-04	5.43E-08	2.30E-08	2.11E-04	6.65E-08	2.82E-08	1.85E-04	5.83E-08	2.47E-08
1322	490708.06, 3859690.74	1.72E-04	5.43E-08	2.30E-08	2.11E-04	6.65E-08	2.82E-08	1.85E-04	5.84E-08	2.48E-08
1323	490758.06, 3859690.74	1.72E-04	5.43E-08	2.30E-08	2.11E-04	6.65E-08	2.82E-08	1.85E-04	5.84E-08	2.48E-08
1324	490808.06, 3859690.74	1.72E-04	5.43E-08	2.30E-08	2.11E-04	6.65E-08	2.82E-08	1.85E-04	5.83E-08	2.47E-08
1325	490858.06, 3859690.74	1.72E-04	5.42E-08	2.30E-08	2.10E-04	6.64E-08	2.82E-08	1.85E-04	5.82E-08	2.47E-08
1326	490708.06, 3859740.74	1.65E-04	5.21E-08	2.21E-08	2.02E-04	6.39E-08	2.71E-08	1.77E-04	5.60E-08	2.38E-08
1327	490758.06, 3859740.74	1.65E-04	5.22E-08	2.21E-08	2.02E-04	6.39E-08	2.71E-08	1.78E-04	5.60E-08	2.38E-08
1328	490808.06, 3859740.74	1.65E-04	5.22E-08	2.21E-08	2.03E-04	6.39E-08	2.71E-08	1.78E-04	5.61E-08	2.38E-08
1329	490858.06, 3859740.74	1.65E-04	5.22E-08	2.21E-08	2.02E-04	6.39E-08	2.71E-08	1.78E-04	5.60E-08	2.38E-08
1330	490786.56, 3859749.39	1.64E-04	5.18E-08	2.20E-08	2.01E-04	6.35E-08	2.69E-08	1.76E-04	5.57E-08	2.36E-08
1331	490836.56, 3859749.39	1.64E-04	5.18E-08	2.20E-08	2.01E-04	6.35E-08	2.69E-08	1.76E-04	5.57E-08	2.36E-08
1332	490786.56, 3859799.39	1.57E-04	4.97E-08	2.11E-08	1.93E-04	6.09E-08	2.58E-08	1.69E-04	5.34E-08	2.27E-08
1333	490836.56, 3859799.39	1.58E-04	4.98E-08	2.11E-08	1.93E-04	6.10E-08	2.59E-08	1.69E-04	5.35E-08	2.27E-08
1334	492307.84, 3854508.36	2.36E-04	7.45E-08	3.16E-08	2.89E-04	9.12E-08	3.87E-08	2.54E-04	8.00E-08	3.40E-08
1335	486445.7, 3854753.6	6.65E-04	2.10E-07	8.91E-08	8.15E-04	2.57E-07	1.09E-07	7.12E-04	2.25E-07	9.54E-08
1336	472599.75, 3877830.11	6.35E-06	2.00E-09	8.51E-10	7.78E-06	2.46E-09	1.04E-09	6.83E-06	2.15E-09	9.14E-10
1337	493107.48, 3866840.19	1.98E-05	6.25E-09	2.65E-09	2.42E-05	7.65E-09	3.25E-09	2.12E-05	6.71E-09	2.85E-09
1338	495815.8, 3861662.87	6.10E-05	1.92E-08	8.16E-09	7.47E-05	2.36E-08	1.00E-08	6.54E-05	2.07E-08	8.76E-09
1339	480272.33, 3841389.2	2.09E-06	6.58E-10	2.79E-10	2.55E-06	8.06E-10	3.42E-10	2.24E-06	7.07E-10	3.00E-10
1340	497005.18, 3862813.64	4.25E-05	1.34E-08	5.70E-09	5.21E-05	1.64E-08	6.98E-09	4.57E-05	1.44E-08	6.12E-09

1341	493677.33, 3860302.55	1.13E-04	3.58E-08	1.52E-08	1.39E-04	4.38E-08	1.86E-08	1.22E-04	3.84E-08	1.63E-08
1342	493727.33, 3860302.55	1.13E-04	3.57E-08	1.51E-08	1.39E-04	4.37E-08	1.85E-08	1.21E-04	3.83E-08	1.63E-08
1343	493777.33, 3860302.55	1.13E-04	3.56E-08	1.51E-08	1.38E-04	4.36E-08	1.85E-08	1.21E-04	3.83E-08	1.62E-08
1344	493827.33, 3860302.55	1.13E-04	3.56E-08	1.51E-08	1.38E-04	4.36E-08	1.85E-08	1.21E-04	3.82E-08	1.62E-08
1345	493877.33, 3860302.55	1.12E-04	3.55E-08	1.51E-08	1.38E-04	4.35E-08	1.84E-08	1.21E-04	3.81E-08	1.62E-08
1346	493927.33, 3860302.55	1.12E-04	3.54E-08	1.50E-08	1.37E-04	4.33E-08	1.84E-08	1.20E-04	3.80E-08	1.61E-08
1347	493977.33, 3860302.55	1.12E-04	3.54E-08	1.50E-08	1.37E-04	4.33E-08	1.84E-08	1.20E-04	3.80E-08	1.61E-08
1348	494027.33, 3860302.55	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.79E-08	1.61E-08
1349	493677.33, 3860352.55	1.11E-04	3.49E-08	1.48E-08	1.36E-04	4.28E-08	1.82E-08	1.19E-04	3.75E-08	1.59E-08
1350	493727.33, 3860352.55	1.10E-04	3.49E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.19E-04	3.74E-08	1.59E-08
1351	493777.33, 3860352.55	1.10E-04	3.48E-08	1.48E-08	1.35E-04	4.26E-08	1.81E-08	1.18E-04	3.73E-08	1.58E-08
1352	493827.33, 3860352.55	1.10E-04	3.47E-08	1.47E-08	1.35E-04	4.25E-08	1.80E-08	1.18E-04	3.73E-08	1.58E-08
1353	493877.33, 3860352.55	1.10E-04	3.47E-08	1.47E-08	1.35E-04	4.25E-08	1.80E-08	1.18E-04	3.72E-08	1.58E-08
1354	493927.33, 3860352.55	1.10E-04	3.47E-08	1.47E-08	1.34E-04	4.24E-08	1.80E-08	1.18E-04	3.72E-08	1.58E-08
1355	493977.33, 3860352.55	1.10E-04	3.46E-08	1.47E-08	1.34E-04	4.24E-08	1.80E-08	1.18E-04	3.72E-08	1.58E-08
1356	494027.33, 3860352.55	1.09E-04	3.45E-08	1.47E-08	1.34E-04	4.23E-08	1.80E-08	1.18E-04	3.71E-08	1.57E-08
1357	493677.33, 3860402.55	1.08E-04	3.41E-08	1.45E-08	1.32E-04	4.18E-08	1.77E-08	1.16E-04	3.66E-08	1.55E-08
1358	493727.33, 3860402.55	1.08E-04	3.40E-08	1.44E-08	1.32E-04	4.17E-08	1.77E-08	1.16E-04	3.65E-08	1.55E-08
1359	493777.33, 3860402.55	1.08E-04	3.40E-08	1.44E-08	1.32E-04	4.17E-08	1.77E-08	1.16E-04	3.65E-08	1.55E-08
1360	493827.33, 3860402.55	1.08E-04	3.39E-08	1.44E-08	1.32E-04	4.16E-08	1.76E-08	1.15E-04	3.64E-08	1.55E-08
1361	493877.33, 3860402.55	1.07E-04	3.39E-08	1.44E-08	1.31E-04	4.15E-08	1.76E-08	1.15E-04	3.64E-08	1.54E-08
1362	493927.33, 3860402.55	1.07E-04	3.39E-08	1.44E-08	1.31E-04	4.15E-08	1.76E-08	1.15E-04	3.64E-08	1.54E-08
1363	493977.33, 3860402.55	1.07E-04	3.39E-08	1.44E-08	1.32E-04	4.15E-08	1.76E-08	1.15E-04	3.64E-08	1.54E-08
1364	494027.33, 3860402.55	1.07E-04	3.38E-08	1.43E-08	1.31E-04	4.14E-08	1.76E-08	1.15E-04	3.63E-08	1.54E-08
1365	493677.33, 3860452.55	1.06E-04	3.33E-08	1.41E-08	1.29E-04	4.08E-08	1.73E-08	1.13E-04	3.58E-08	1.52E-08
1366	493727.33, 3860452.55	1.05E-04	3.32E-08	1.41E-08	1.29E-04	4.07E-08	1.73E-08	1.13E-04	3.56E-08	1.51E-08
1367	493777.33, 3860452.55	1.05E-04	3.32E-08	1.41E-08	1.29E-04	4.06E-08	1.72E-08	1.13E-04	3.56E-08	1.51E-08
1368	493827.33, 3860452.55	1.05E-04	3.32E-08	1.41E-08	1.29E-04	4.06E-08	1.72E-08	1.13E-04	3.56E-08	1.51E-08
1369	493877.33, 3860452.55	1.05E-04	3.31E-08	1.41E-08	1.29E-04	4.06E-08	1.72E-08	1.13E-04	3.56E-08	1.51E-08
1370	493927.33, 3860452.55	1.05E-04	3.32E-08	1.41E-08	1.29E-04	4.06E-08	1.72E-08	1.13E-04	3.56E-08	1.51E-08
1371	493977.33, 3860452.55	1.05E-04	3.31E-08	1.40E-08	1.28E-04	4.05E-08	1.72E-08	1.13E-04	3.55E-08	1.51E-08
1372	494027.33, 3860452.55	1.05E-04	3.30E-08	1.40E-08	1.28E-04	4.05E-08	1.72E-08	1.12E-04	3.55E-08	1.51E-08
1373	493677.33, 3860502.55	1.03E-04	3.25E-08	1.38E-08	1.26E-04	3.98E-08	1.69E-08	1.11E-04	3.49E-08	1.48E-08
1374	493727.33, 3860502.55	1.03E-04	3.24E-08	1.38E-08	1.26E-04	3.97E-08	1.69E-08	1.10E-04	3.48E-08	1.48E-08
1375	493777.33, 3860502.55	1.03E-04	3.24E-08	1.37E-08	1.26E-04	3.97E-08	1.68E-08	1.10E-04	3.48E-08	1.48E-08
1376	493827.33, 3860502.55	1.03E-04	3.24E-08	1.37E-08	1.26E-04	3.96E-08	1.68E-08	1.10E-04	3.47E-08	1.47E-08
1377	493877.33, 3860502.55	1.03E-04	3.24E-08	1.37E-08	1.26E-04	3.97E-08	1.68E-08	1.10E-04	3.48E-08	1.47E-08
1378	493927.33, 3860502.55	1.03E-04	3.24E-08	1.37E-08	1.26E-04	3.97E-08	1.68E-08	1.10E-04	3.48E-08	1.48E-08
1379	493977.33, 3860502.55	1.02E-04	3.23E-08	1.37E-08	1.25E-04	3.96E-08	1.68E-08	1.10E-04	3.47E-08	1.47E-08
1380	494027.33, 3860502.55	1.02E-04	3.23E-08	1.37E-08	1.25E-04	3.96E-08	1.68E-08	1.10E-04	3.47E-08	1.47E-08
1381	493627.33, 3860552.55	1.01E-04	3.18E-08	1.35E-08	1.23E-04	3.89E-08	1.65E-08	1.08E-04	3.41E-08	1.45E-08
1382	493677.33, 3860552.55	1.00E-04	3.17E-08	1.34E-08	1.23E-04	3.88E-08	1.65E-08	1.08E-04	3.40E-08	1.44E-08
1383	493727.33, 3860552.55	1.00E-04	3.16E-08	1.34E-08	1.23E-04	3.88E-08	1.64E-08	1.08E-04	3.40E-08	1.44E-08
1384	493777.33, 3860552.55	1.00E-04	3.16E-08	1.34E-08	1.23E-04	3.87E-08	1.64E-08	1.08E-04	3.40E-08	1.44E-08
1385	493827.33, 3860552.55	1.00E-04	3.17E-08	1.34E-08	1.23E-04	3.88E-08	1.64E-08	1.08E-04	3.40E-08	1.44E-08
1386	493877.33, 3860552.55	1.00E-04	3.16E-08	1.34E-08	1.23E-04	3.87E-08	1.64E-08	1.07E-04	3.39E-08	1.44E-08
1387	493927.33, 3860552.55	1.00E-04	3.16E-08	1.34E-08	1.23E-04	3.87E-08	1.64E-08	1.08E-04	3.39E-08	1.44E-08
1388	493977.33, 3860552.55	1.00E-04	3.16E-08	1.34E-08	1.23E-04	3.87E-08	1.64E-08	1.08E-04	3.39E-08	1.44E-08
1389	494027.33, 3860552.55	1.00E-04	3.16E-08	1.34E-08	1.22E-04	3.87E-08	1.64E-08	1.07E-04	3.39E-08	1.44E-08
1390	493627.33, 3860602.55	9.82E-05	3.10E-08	1.31E-08	1.20E-04	3.80E-08	1.61E-08	1.05E-04	3.33E-08	1.41E-08
1391	493727.33, 3860602.55	9.77E-05	3.08E-08	1.31E-08	1.20E-04	3.78E-08	1.60E-08	1.05E-04	3.31E-08	1.40E-08
1392	493777.33, 3860602.55	9.78E-05	3.09E-08	1.31E-08	1.20E-04	3.78E-08	1.60E-08	1.05E-04	3.32E-08	1.41E-08
1393	493827.33, 3860602.55	9.78E-05	3.09E-08	1.31E-08	1.20E-04	3.78E-08	1.60E-08	1.05E-04	3.31E-08	1.41E-08
1394	493877.33, 3860602.55	9.79E-05	3.09E-08	1.31E-08	1.20E-04	3.78E-08	1.61E-08	1.05E-04	3.32E-08	1.41E-08
1395	493927.33, 3860602.55	9.79E-05	3.09E-08	1.31E-08	1.20E-04	3.78E-08	1.61E-08	1.05E-04	3.32E-08	1.41E-08
1396	493977.33, 3860602.55	9.79E-05	3.09E-08	1.31E-08	1.20E-04	3.78E-08	1.61E-08	1.05E-04	3.32E-08	1.41E-08
1397	494027.33, 3860602.55	9.77E-05	3.08E-08	1.31E-08	1.20E-04	3.78E-08	1.60E-08	1.05E-04	3.31E-08	1.40E-08
1398	493627.33, 3860652.55	9.57E-05	3.02E-08	1.28E-08	1.17E-04	3.70E-08	1.57E-08	1.03E-04	3.24E-08	1.38E-08
1399	493727.33, 3860652.55	9.53E-05	3.01E-08	1.28E-08	1.17E-04	3.68E-08	1.56E-08	1.02E-04	3.23E-08	1.37E-08
1400	493777.33, 3860652.55	9.54E-05	3.01E-08	1.28E-08	1.17E-04	3.69E-08	1.56E-08	1.02E-04	3.23E-08	1.37E-08
1401	493827.33, 3860652.55	9.55E-05	3.01E-08	1.28E-08	1.17E-04	3.69E-08	1.57E-08	1.03E-04	3.24E-08	1.37E-08
1402	493877.33, 3860652.55	9.56E-05	3.02E-08	1.28E-08	1.17E-04	3.70E-08	1.57E-08	1.03E-04	3.24E-08	1.37E-08
1403	493927.33, 3860652.55	9.56E-05	3.02E-08	1.28E-08	1.17E-04	3.70E-08	1.57E-08	1.03E-04	3.24E-08	1.37E-08
1404	493977.33, 3860652.55	9.56E-05	3.02E-08	1.28E-08	1.17E-04	3.70E-08	1.57E-08	1.03E-04	3.24E-08	1.37E-08

1405	494027.33, 3860652.55	9.57E-05	3.02E-08	1.28E-08	1.17E-04	3.70E-08	1.57E-08	1.03E-04	3.24E-08	1.38E-08
1406	494311.06, 3858401.99	1.28E-04	4.05E-08	1.72E-08	1.57E-04	4.96E-08	2.10E-08	1.38E-04	4.35E-08	1.84E-08
1407	494361.06, 3858401.99	1.26E-04	3.98E-08	1.69E-08	1.54E-04	4.87E-08	2.07E-08	1.35E-04	4.27E-08	1.81E-08
1408	494411.06, 3858401.99	1.24E-04	3.93E-08	1.67E-08	1.52E-04	4.81E-08	2.04E-08	1.34E-04	4.21E-08	1.79E-08
1409	494461.06, 3858401.99	1.24E-04	3.90E-08	1.66E-08	1.51E-04	4.78E-08	2.03E-08	1.33E-04	4.19E-08	1.78E-08
1410	494511.06, 3858401.99	1.22E-04	3.85E-08	1.63E-08	1.49E-04	4.72E-08	2.00E-08	1.31E-04	4.13E-08	1.75E-08
1411	494561.06, 3858401.99	1.21E-04	3.83E-08	1.62E-08	1.48E-04	4.69E-08	1.99E-08	1.30E-04	4.11E-08	1.74E-08
1412	494611.06, 3858401.99	1.19E-04	3.77E-08	1.60E-08	1.46E-04	4.62E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
1413	494661.06, 3858401.99	1.18E-04	3.73E-08	1.58E-08	1.45E-04	4.56E-08	1.94E-08	1.27E-04	4.00E-08	1.70E-08
1414	494711.06, 3858401.99	1.16E-04	3.66E-08	1.55E-08	1.42E-04	4.48E-08	1.90E-08	1.24E-04	3.93E-08	1.67E-08
1415	494761.06, 3858401.99	1.15E-04	3.62E-08	1.54E-08	1.41E-04	4.44E-08	1.88E-08	1.23E-04	3.89E-08	1.65E-08
1416	494811.06, 3858401.99	1.13E-04	3.57E-08	1.51E-08	1.39E-04	4.37E-08	1.86E-08	1.21E-04	3.83E-08	1.63E-08
1417	494861.06, 3858401.99	1.12E-04	3.52E-08	1.50E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.78E-08	1.60E-08
1418	494911.06, 3858401.99	1.10E-04	3.48E-08	1.48E-08	1.35E-04	4.26E-08	1.81E-08	1.18E-04	3.73E-08	1.58E-08
1419	494961.06, 3858401.99	1.09E-04	3.43E-08	1.46E-08	1.33E-04	4.20E-08	1.78E-08	1.17E-04	3.68E-08	1.56E-08
1420	495011.06, 3858401.99	1.07E-04	3.37E-08	1.43E-08	1.31E-04	4.13E-08	1.75E-08	1.15E-04	3.62E-08	1.54E-08
1421	495061.06, 3858401.99	1.05E-04	3.32E-08	1.41E-08	1.29E-04	4.07E-08	1.73E-08	1.13E-04	3.57E-08	1.51E-08
1422	495111.06, 3858401.99	1.03E-04	3.24E-08	1.37E-08	1.26E-04	3.96E-08	1.68E-08	1.10E-04	3.47E-08	1.47E-08
1423	495161.06, 3858401.99	1.02E-04	3.22E-08	1.37E-08	1.25E-04	3.94E-08	1.67E-08	1.10E-04	3.46E-08	1.47E-08
1424	495211.06, 3858401.99	9.96E-05	3.14E-08	1.33E-08	1.22E-04	3.85E-08	1.63E-08	1.07E-04	3.38E-08	1.43E-08
1425	495261.06, 3858401.99	9.83E-05	3.10E-08	1.32E-08	1.20E-04	3.80E-08	1.61E-08	1.06E-04	3.33E-08	1.41E-08
1426	495311.06, 3858401.99	9.70E-05	3.06E-08	1.30E-08	1.19E-04	3.75E-08	1.59E-08	1.04E-04	3.29E-08	1.39E-08
1427	495361.06, 3858401.99	9.61E-05	3.03E-08	1.29E-08	1.18E-04	3.71E-08	1.58E-08	1.03E-04	3.25E-08	1.38E-08
1428	495411.06, 3858401.99	9.56E-05	3.02E-08	1.28E-08	1.17E-04	3.69E-08	1.57E-08	1.03E-04	3.24E-08	1.37E-08
1429	495461.06, 3858401.99	9.52E-05	3.01E-08	1.28E-08	1.17E-04	3.68E-08	1.56E-08	1.02E-04	3.23E-08	1.37E-08
1430	495511.06, 3858401.99	9.47E-05	2.99E-08	1.27E-08	1.16E-04	3.66E-08	1.55E-08	1.02E-04	3.21E-08	1.36E-08
1431	495561.06, 3858401.99	9.35E-05	2.95E-08	1.25E-08	1.15E-04	3.61E-08	1.53E-08	1.00E-04	3.17E-08	1.34E-08
1432	495611.06, 3858401.99	9.31E-05	2.94E-08	1.25E-08	1.14E-04	3.60E-08	1.53E-08	9.99E-05	3.15E-08	1.34E-08
1433	495661.06, 3858401.99	9.37E-05	2.96E-08	1.25E-08	1.15E-04	3.62E-08	1.54E-08	1.01E-04	3.17E-08	1.35E-08
1434	494311.06, 3858451.99	1.31E-04	4.13E-08	1.75E-08	1.60E-04	5.06E-08	2.15E-08	1.40E-04	4.43E-08	1.88E-08
1435	494361.06, 3858451.99	1.29E-04	4.07E-08	1.73E-08	1.58E-04	4.99E-08	2.12E-08	1.38E-04	4.37E-08	1.85E-08
1436	494411.06, 3858451.99	1.27E-04	4.02E-08	1.71E-08	1.56E-04	4.93E-08	2.09E-08	1.37E-04	4.32E-08	1.83E-08
1437	494461.06, 3858451.99	1.26E-04	3.98E-08	1.69E-08	1.54E-04	4.87E-08	2.07E-08	1.35E-04	4.27E-08	1.81E-08
1438	494511.06, 3858451.99	1.25E-04	3.95E-08	1.68E-08	1.53E-04	4.84E-08	2.05E-08	1.34E-04	4.24E-08	1.80E-08
1439	494561.06, 3858451.99	1.23E-04	3.90E-08	1.65E-08	1.51E-04	4.77E-08	2.02E-08	1.32E-04	4.18E-08	1.77E-08
1440	494611.06, 3858451.99	1.22E-04	3.85E-08	1.63E-08	1.50E-04	4.72E-08	2.00E-08	1.31E-04	4.14E-08	1.75E-08
1441	494661.06, 3858451.99	1.21E-04	3.81E-08	1.62E-08	1.48E-04	4.66E-08	1.98E-08	1.29E-04	4.09E-08	1.73E-08
1442	494711.06, 3858451.99	1.19E-04	3.75E-08	1.59E-08	1.45E-04	4.59E-08	1.95E-08	1.27E-04	4.02E-08	1.71E-08
1443	494761.06, 3858451.99	1.17E-04	3.69E-08	1.57E-08	1.43E-04	4.52E-08	1.92E-08	1.25E-04	3.96E-08	1.68E-08
1444	494811.06, 3858451.99	1.15E-04	3.64E-08	1.55E-08	1.41E-04	4.46E-08	1.89E-08	1.24E-04	3.91E-08	1.66E-08
1445	494861.06, 3858451.99	1.14E-04	3.59E-08	1.52E-08	1.39E-04	4.40E-08	1.87E-08	1.22E-04	3.85E-08	1.63E-08
1446	494911.06, 3858451.99	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.78E-08	1.61E-08
1447	494961.06, 3858451.99	1.10E-04	3.47E-08	1.47E-08	1.35E-04	4.25E-08	1.80E-08	1.18E-04	3.72E-08	1.58E-08
1448	495011.06, 3858451.99	1.08E-04	3.40E-08	1.44E-08	1.32E-04	4.17E-08	1.77E-08	1.16E-04	3.65E-08	1.55E-08
1449	495061.06, 3858451.99	1.07E-04	3.37E-08	1.43E-08	1.31E-04	4.13E-08	1.75E-08	1.15E-04	3.62E-08	1.54E-08
1450	495111.06, 3858451.99	1.05E-04	3.31E-08	1.41E-08	1.29E-04	4.06E-08	1.72E-08	1.13E-04	3.55E-08	1.51E-08
1451	495161.06, 3858451.99	1.03E-04	3.24E-08	1.38E-08	1.26E-04	3.97E-08	1.68E-08	1.10E-04	3.48E-08	1.48E-08
1452	495211.06, 3858451.99	1.01E-04	3.18E-08	1.35E-08	1.23E-04	3.89E-08	1.65E-08	1.08E-04	3.41E-08	1.45E-08
1453	495261.06, 3858451.99	9.95E-05	3.14E-08	1.33E-08	1.22E-04	3.85E-08	1.63E-08	1.07E-04	3.37E-08	1.43E-08
1454	495311.06, 3858451.99	9.84E-05	3.11E-08	1.32E-08	1.21E-04	3.81E-08	1.61E-08	1.06E-04	3.34E-08	1.42E-08
1455	495361.06, 3858451.99	9.76E-05	3.08E-08	1.31E-08	1.20E-04	3.77E-08	1.60E-08	1.05E-04	3.31E-08	1.40E-08
1456	495411.06, 3858451.99	9.72E-05	3.07E-08	1.30E-08	1.19E-04	3.76E-08	1.59E-08	1.04E-04	3.29E-08	1.40E-08
1457	495461.06, 3858451.99	9.69E-05	3.06E-08	1.30E-08	1.19E-04	3.75E-08	1.59E-08	1.04E-04	3.28E-08	1.39E-08
1458	495511.06, 3858451.99	9.59E-05	3.03E-08	1.28E-08	1.17E-04	3.71E-08	1.57E-08	1.03E-04	3.25E-08	1.38E-08
1459	495561.06, 3858451.99	9.60E-05	3.03E-08	1.29E-08	1.18E-04	3.71E-08	1.57E-08	1.03E-04	3.25E-08	1.38E-08
1460	495611.06, 3858451.99	9.48E-05	2.99E-08	1.27E-08	1.16E-04	3.66E-08	1.55E-08	1.02E-04	3.21E-08	1.36E-08
1461	495661.06, 3858451.99	9.46E-05	2.99E-08	1.27E-08	1.16E-04	3.66E-08	1.55E-08	1.02E-04	3.21E-08	1.36E-08
1462	494311.06, 3858501.99	1.31E-04	4.14E-08	1.76E-08	1.61E-04	5.07E-08	2.15E-08	1.41E-04	4.44E-08	1.88E-08
1463	494361.06, 3858501.99	1.30E-04	4.10E-08	1.74E-08	1.59E-04	5.02E-08	2.13E-08	1.39E-04	4.40E-08	1.87E-08
1464	494411.06, 3858501.99	1.28E-04	4.05E-08	1.72E-08	1.57E-04	4.97E-08	2.11E-08	1.38E-04	4.35E-08	1.85E-08
1465	494461.06, 3858501.99	1.28E-04	4.03E-08	1.71E-08	1.56E-04	4.93E-08	2.09E-08	1.37E-04	4.32E-08	1.83E-08
1466	494511.06, 3858501.99	1.26E-04	3.97E-08	1.68E-08	1.54E-04	4.86E-08	2.06E-08	1.35E-04	4.26E-08	1.81E-08
1467	494561.06, 3858501.99	1.26E-04	3.97E-08	1.68E-08	1.54E-04	4.86E-08	2.06E-08	1.35E-04	4.26E-08	1.81E-08
1468	494611.06, 3858501.99	1.24E-04	3.92E-08	1.66E-08	1.52E-04	4.80E-08	2.04E-08	1.33E-04	4.20E-08	1.78E-08

1469	494661.06, 3858501.99	1.23E-04	3.88E-08	1.65E-08	1.51E-04	4.76E-08	2.02E-08	1.32E-04	4.17E-08	1.77E-08
1470	494711.06, 3858501.99	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.68E-08	1.99E-08	1.30E-04	4.10E-08	1.74E-08
1471	494761.06, 3858501.99	1.19E-04	3.76E-08	1.59E-08	1.46E-04	4.60E-08	1.95E-08	1.28E-04	4.03E-08	1.71E-08
1472	494811.06, 3858501.99	1.17E-04	3.69E-08	1.57E-08	1.43E-04	4.52E-08	1.92E-08	1.26E-04	3.96E-08	1.68E-08
1473	494861.06, 3858501.99	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.47E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
1474	494911.06, 3858501.99	1.13E-04	3.56E-08	1.51E-08	1.38E-04	4.37E-08	1.85E-08	1.21E-04	3.83E-08	1.62E-08
1475	494961.06, 3858501.99	1.12E-04	3.52E-08	1.49E-08	1.37E-04	4.31E-08	1.83E-08	1.20E-04	3.78E-08	1.60E-08
1476	495011.06, 3858501.99	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.22E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
1477	495061.06, 3858501.99	1.08E-04	3.42E-08	1.45E-08	1.33E-04	4.19E-08	1.78E-08	1.16E-04	3.67E-08	1.56E-08
1478	495111.06, 3858501.99	1.05E-04	3.33E-08	1.41E-08	1.29E-04	4.08E-08	1.73E-08	1.13E-04	3.57E-08	1.52E-08
1479	495161.06, 3858501.99	1.04E-04	3.27E-08	1.39E-08	1.27E-04	4.01E-08	1.70E-08	1.11E-04	3.51E-08	1.49E-08
1480	495211.06, 3858501.99	1.02E-04	3.22E-08	1.36E-08	1.25E-04	3.94E-08	1.67E-08	1.09E-04	3.45E-08	1.46E-08
1481	495261.06, 3858501.99	1.01E-04	3.18E-08	1.35E-08	1.23E-04	3.89E-08	1.65E-08	1.08E-04	3.41E-08	1.45E-08
1482	495311.06, 3858501.99	1.00E-04	3.15E-08	1.34E-08	1.22E-04	3.86E-08	1.64E-08	1.07E-04	3.39E-08	1.44E-08
1483	495361.06, 3858501.99	9.93E-05	3.13E-08	1.33E-08	1.22E-04	3.84E-08	1.63E-08	1.07E-04	3.36E-08	1.43E-08
1484	495411.06, 3858501.99	9.89E-05	3.12E-08	1.32E-08	1.21E-04	3.82E-08	1.62E-08	1.06E-04	3.35E-08	1.42E-08
1485	495461.06, 3858501.99	9.84E-05	3.11E-08	1.32E-08	1.21E-04	3.81E-08	1.61E-08	1.06E-04	3.33E-08	1.41E-08
1486	495511.06, 3858501.99	9.78E-05	3.09E-08	1.31E-08	1.20E-04	3.78E-08	1.60E-08	1.05E-04	3.31E-08	1.41E-08
1487	495561.06, 3858501.99	9.78E-05	3.09E-08	1.31E-08	1.20E-04	3.78E-08	1.60E-08	1.05E-04	3.31E-08	1.41E-08
1488	495611.06, 3858501.99	9.67E-05	3.05E-08	1.30E-08	1.18E-04	3.74E-08	1.59E-08	1.04E-04	3.28E-08	1.39E-08
1489	495661.06, 3858501.99	9.66E-05	3.05E-08	1.29E-08	1.18E-04	3.73E-08	1.58E-08	1.04E-04	3.27E-08	1.39E-08
1490	494311.06, 3858551.99	1.29E-04	4.06E-08	1.72E-08	1.58E-04	4.98E-08	2.11E-08	1.38E-04	4.36E-08	1.85E-08
1491	494361.06, 3858551.99	1.30E-04	4.09E-08	1.73E-08	1.59E-04	5.01E-08	2.12E-08	1.39E-04	4.39E-08	1.86E-08
1492	494411.06, 3858551.99	1.30E-04	4.11E-08	1.74E-08	1.60E-04	5.04E-08	2.14E-08	1.40E-04	4.41E-08	1.87E-08
1493	494461.06, 3858551.99	1.30E-04	4.10E-08	1.74E-08	1.59E-04	5.02E-08	2.13E-08	1.39E-04	4.40E-08	1.87E-08
1494	494511.06, 3858551.99	1.29E-04	4.07E-08	1.73E-08	1.58E-04	4.98E-08	2.11E-08	1.38E-04	4.36E-08	1.85E-08
1495	494561.06, 3858551.99	1.28E-04	4.04E-08	1.71E-08	1.57E-04	4.95E-08	2.10E-08	1.37E-04	4.33E-08	1.84E-08
1496	494611.06, 3858551.99	1.27E-04	4.00E-08	1.70E-08	1.55E-04	4.90E-08	2.08E-08	1.36E-04	4.29E-08	1.82E-08
1497	494661.06, 3858551.99	1.25E-04	3.96E-08	1.68E-08	1.54E-04	4.85E-08	2.06E-08	1.35E-04	4.25E-08	1.80E-08
1498	494711.06, 3858551.99	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.77E-08	2.02E-08	1.32E-04	4.18E-08	1.77E-08
1499	494761.06, 3858551.99	1.21E-04	3.83E-08	1.62E-08	1.49E-04	4.69E-08	1.99E-08	1.30E-04	4.11E-08	1.74E-08
1500	494811.06, 3858551.99	1.20E-04	3.78E-08	1.60E-08	1.47E-04	4.62E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
1501	494861.06, 3858551.99	1.18E-04	3.71E-08	1.57E-08	1.44E-04	4.54E-08	1.93E-08	1.26E-04	3.98E-08	1.69E-08
1502	494911.06, 3858551.99	1.15E-04	3.63E-08	1.54E-08	1.41E-04	4.45E-08	1.89E-08	1.24E-04	3.90E-08	1.65E-08
1503	494961.06, 3858551.99	1.13E-04	3.58E-08	1.52E-08	1.39E-04	4.38E-08	1.86E-08	1.22E-04	3.84E-08	1.63E-08
1504	495011.06, 3858551.99	1.11E-04	3.50E-08	1.48E-08	1.36E-04	4.29E-08	1.82E-08	1.19E-04	3.76E-08	1.59E-08
1505	495061.06, 3858551.99	1.09E-04	3.45E-08	1.47E-08	1.34E-04	4.23E-08	1.79E-08	1.17E-04	3.71E-08	1.57E-08
1506	495111.06, 3858551.99	1.07E-04	3.36E-08	1.43E-08	1.31E-04	4.12E-08	1.75E-08	1.14E-04	3.61E-08	1.53E-08
1507	495161.06, 3858551.99	1.05E-04	3.31E-08	1.40E-08	1.28E-04	4.05E-08	1.72E-08	1.12E-04	3.55E-08	1.51E-08
1508	495211.06, 3858551.99	1.03E-04	3.26E-08	1.38E-08	1.26E-04	3.99E-08	1.69E-08	1.11E-04	3.50E-08	1.48E-08
1509	495261.06, 3858551.99	1.02E-04	3.22E-08	1.37E-08	1.25E-04	3.95E-08	1.67E-08	1.10E-04	3.46E-08	1.47E-08
1510	495311.06, 3858551.99	1.02E-04	3.20E-08	1.36E-08	1.24E-04	3.93E-08	1.67E-08	1.09E-04	3.44E-08	1.46E-08
1511	495361.06, 3858551.99	1.01E-04	3.18E-08	1.35E-08	1.24E-04	3.90E-08	1.65E-08	1.08E-04	3.42E-08	1.45E-08
1512	495411.06, 3858551.99	1.01E-04	3.18E-08	1.35E-08	1.23E-04	3.89E-08	1.65E-08	1.08E-04	3.41E-08	1.45E-08
1513	495461.06, 3858551.99	1.00E-04	3.16E-08	1.34E-08	1.23E-04	3.87E-08	1.64E-08	1.07E-04	3.39E-08	1.44E-08
1514	495511.06, 3858551.99	9.98E-05	3.15E-08	1.34E-08	1.22E-04	3.86E-08	1.64E-08	1.07E-04	3.38E-08	1.43E-08
1515	495561.06, 3858551.99	9.93E-05	3.13E-08	1.33E-08	1.22E-04	3.84E-08	1.63E-08	1.07E-04	3.36E-08	1.43E-08
1516	495611.06, 3858551.99	9.86E-05	3.11E-08	1.32E-08	1.21E-04	3.81E-08	1.62E-08	1.06E-04	3.34E-08	1.42E-08
1517	495661.06, 3858551.99	9.78E-05	3.09E-08	1.31E-08	1.20E-04	3.78E-08	1.60E-08	1.05E-04	3.31E-08	1.41E-08
1518	494311.06, 3858601.99	1.22E-04	3.85E-08	1.63E-08	1.49E-04	4.72E-08	2.00E-08	1.31E-04	4.13E-08	1.75E-08
1519	494361.06, 3858601.99	1.28E-04	4.05E-08	1.72E-08	1.57E-04	4.96E-08	2.11E-08	1.38E-04	4.35E-08	1.84E-08
1520	494411.06, 3858601.99	1.33E-04	4.19E-08	1.78E-08	1.63E-04	5.14E-08	2.18E-08	1.43E-04	4.50E-08	1.91E-08
1521	494461.06, 3858601.99	1.32E-04	4.18E-08	1.77E-08	1.62E-04	5.12E-08	2.17E-08	1.42E-04	4.48E-08	1.90E-08
1522	494511.06, 3858601.99	1.31E-04	4.13E-08	1.75E-08	1.60E-04	5.05E-08	2.14E-08	1.40E-04	4.43E-08	1.88E-08
1523	494561.06, 3858601.99	1.31E-04	4.12E-08	1.75E-08	1.60E-04	5.05E-08	2.14E-08	1.40E-04	4.43E-08	1.88E-08
1524	494611.06, 3858601.99	1.29E-04	4.07E-08	1.73E-08	1.58E-04	4.98E-08	2.11E-08	1.38E-04	4.37E-08	1.85E-08
1525	494661.06, 3858601.99	1.28E-04	4.03E-08	1.71E-08	1.56E-04	4.93E-08	2.09E-08	1.37E-04	4.32E-08	1.83E-08
1526	494711.06, 3858601.99	1.26E-04	3.96E-08	1.68E-08	1.54E-04	4.86E-08	2.06E-08	1.35E-04	4.25E-08	1.81E-08
1527	494761.06, 3858601.99	1.24E-04	3.90E-08	1.66E-08	1.51E-04	4.78E-08	2.03E-08	1.33E-04	4.19E-08	1.78E-08
1528	494811.06, 3858601.99	1.21E-04	3.81E-08	1.62E-08	1.48E-04	4.67E-08	1.98E-08	1.30E-04	4.09E-08	1.73E-08
1529	494861.06, 3858601.99	1.19E-04	3.76E-08	1.60E-08	1.46E-04	4.61E-08	1.95E-08	1.28E-04	4.04E-08	1.71E-08
1530	494911.06, 3858601.99	1.16E-04	3.67E-08	1.56E-08	1.43E-04	4.50E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
1531	494961.06, 3858601.99	1.15E-04	3.61E-08	1.53E-08	1.40E-04	4.43E-08	1.88E-08	1.23E-04	3.88E-08	1.65E-08
1532	495011.06, 3858601.99	1.13E-04	3.55E-08	1.51E-08	1.38E-04	4.35E-08	1.85E-08	1.21E-04	3.81E-08	1.62E-08

1533	495061.06, 3858601.99	1.11E-04	3.49E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.19E-04	3.74E-08	1.59E-08
1534	495111.06, 3858601.99	1.07E-04	3.39E-08	1.44E-08	1.32E-04	4.15E-08	1.76E-08	1.15E-04	3.64E-08	1.54E-08
1535	495161.06, 3858601.99	1.06E-04	3.34E-08	1.42E-08	1.30E-04	4.09E-08	1.74E-08	1.14E-04	3.59E-08	1.52E-08
1536	495211.06, 3858601.99	1.05E-04	3.31E-08	1.40E-08	1.28E-04	4.05E-08	1.72E-08	1.13E-04	3.55E-08	1.51E-08
1537	495261.06, 3858601.99	1.04E-04	3.27E-08	1.39E-08	1.27E-04	4.01E-08	1.70E-08	1.11E-04	3.51E-08	1.49E-08
1538	495311.06, 3858601.99	1.03E-04	3.24E-08	1.38E-08	1.26E-04	3.97E-08	1.69E-08	1.10E-04	3.48E-08	1.48E-08
1539	495361.06, 3858601.99	1.02E-04	3.23E-08	1.37E-08	1.25E-04	3.96E-08	1.68E-08	1.10E-04	3.47E-08	1.47E-08
1540	495411.06, 3858601.99	1.02E-04	3.22E-08	1.36E-08	1.25E-04	3.94E-08	1.67E-08	1.09E-04	3.45E-08	1.46E-08
1541	495461.06, 3858601.99	1.02E-04	3.20E-08	1.36E-08	1.24E-04	3.92E-08	1.66E-08	1.09E-04	3.44E-08	1.46E-08
1542	495511.06, 3858601.99	1.01E-04	3.18E-08	1.35E-08	1.23E-04	3.89E-08	1.65E-08	1.08E-04	3.41E-08	1.45E-08
1543	495561.06, 3858601.99	1.01E-04	3.17E-08	1.35E-08	1.23E-04	3.89E-08	1.65E-08	1.08E-04	3.40E-08	1.44E-08
1544	495611.06, 3858601.99	9.95E-05	3.14E-08	1.33E-08	1.22E-04	3.84E-08	1.63E-08	1.07E-04	3.37E-08	1.43E-08
1545	495661.06, 3858601.99	9.92E-05	3.13E-08	1.33E-08	1.21E-04	3.83E-08	1.63E-08	1.06E-04	3.36E-08	1.43E-08
1546	494311.06, 3858651.99	1.21E-04	3.81E-08	1.61E-08	1.48E-04	4.66E-08	1.98E-08	1.29E-04	4.08E-08	1.73E-08
1547	494361.06, 3858651.99	1.27E-04	4.00E-08	1.70E-08	1.55E-04	4.90E-08	2.08E-08	1.36E-04	4.29E-08	1.82E-08
1548	494411.06, 3858651.99	1.34E-04	4.22E-08	1.79E-08	1.64E-04	5.17E-08	2.19E-08	1.43E-04	4.53E-08	1.92E-08
1549	494461.06, 3858651.99	1.34E-04	4.24E-08	1.80E-08	1.64E-04	5.19E-08	2.20E-08	1.44E-04	4.55E-08	1.93E-08
1550	494511.06, 3858651.99	1.33E-04	4.20E-08	1.78E-08	1.63E-04	5.15E-08	2.18E-08	1.43E-04	4.51E-08	1.91E-08
1551	494561.06, 3858651.99	1.32E-04	4.18E-08	1.77E-08	1.62E-04	5.12E-08	2.17E-08	1.42E-04	4.49E-08	1.90E-08
1552	494611.06, 3858651.99	1.31E-04	4.15E-08	1.76E-08	1.61E-04	5.08E-08	2.15E-08	1.41E-04	4.45E-08	1.89E-08
1553	494661.06, 3858651.99	1.30E-04	4.09E-08	1.74E-08	1.59E-04	5.01E-08	2.13E-08	1.39E-04	4.39E-08	1.86E-08
1554	494711.06, 3858651.99	1.27E-04	4.02E-08	1.71E-08	1.56E-04	4.93E-08	2.09E-08	1.37E-04	4.32E-08	1.83E-08
1555	494761.06, 3858651.99	1.26E-04	3.97E-08	1.68E-08	1.54E-04	4.86E-08	2.06E-08	1.35E-04	4.26E-08	1.81E-08
1556	494811.06, 3858651.99	1.23E-04	3.88E-08	1.65E-08	1.51E-04	4.76E-08	2.02E-08	1.32E-04	4.17E-08	1.77E-08
1557	494861.06, 3858651.99	1.21E-04	3.81E-08	1.62E-08	1.48E-04	4.66E-08	1.98E-08	1.29E-04	4.09E-08	1.73E-08
1558	494911.06, 3858651.99	1.18E-04	3.72E-08	1.58E-08	1.45E-04	4.56E-08	1.94E-08	1.27E-04	4.00E-08	1.70E-08
1559	494961.06, 3858651.99	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.47E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
1560	495011.06, 3858651.99	1.14E-04	3.59E-08	1.52E-08	1.39E-04	4.40E-08	1.87E-08	1.22E-04	3.86E-08	1.64E-08
1561	495061.06, 3858651.99	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.79E-08	1.61E-08
1562	495111.06, 3858651.99	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.23E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
1563	495161.06, 3858651.99	1.08E-04	3.40E-08	1.44E-08	1.32E-04	4.17E-08	1.77E-08	1.16E-04	3.65E-08	1.55E-08
1564	495211.06, 3858651.99	1.06E-04	3.35E-08	1.42E-08	1.30E-04	4.10E-08	1.74E-08	1.14E-04	3.59E-08	1.52E-08
1565	495261.06, 3858651.99	1.05E-04	3.33E-08	1.41E-08	1.29E-04	4.08E-08	1.73E-08	1.13E-04	3.57E-08	1.52E-08
1566	495311.06, 3858651.99	1.05E-04	3.30E-08	1.40E-08	1.28E-04	4.04E-08	1.72E-08	1.12E-04	3.54E-08	1.50E-08
1567	495361.06, 3858651.99	1.04E-04	3.28E-08	1.39E-08	1.27E-04	4.02E-08	1.71E-08	1.12E-04	3.52E-08	1.50E-08
1568	495411.06, 3858651.99	1.04E-04	3.27E-08	1.39E-08	1.27E-04	4.01E-08	1.70E-08	1.11E-04	3.51E-08	1.49E-08
1569	495461.06, 3858651.99	1.04E-04	3.27E-08	1.39E-08	1.27E-04	4.01E-08	1.70E-08	1.11E-04	3.51E-08	1.49E-08
1570	495511.06, 3858651.99	1.03E-04	3.24E-08	1.37E-08	1.26E-04	3.97E-08	1.68E-08	1.10E-04	3.48E-08	1.47E-08
1571	495561.06, 3858651.99	1.02E-04	3.21E-08	1.36E-08	1.25E-04	3.94E-08	1.67E-08	1.09E-04	3.45E-08	1.46E-08
1572	495611.06, 3858651.99	1.01E-04	3.18E-08	1.35E-08	1.23E-04	3.89E-08	1.65E-08	1.08E-04	3.41E-08	1.45E-08
1573	495661.06, 3858651.99	1.00E-04	3.17E-08	1.34E-08	1.23E-04	3.88E-08	1.65E-08	1.08E-04	3.40E-08	1.44E-08
1574	494311.06, 3858701.99	1.22E-04	3.85E-08	1.63E-08	1.50E-04	4.72E-08	2.00E-08	1.31E-04	4.14E-08	1.75E-08
1575	494361.06, 3858701.99	1.31E-04	4.12E-08	1.75E-08	1.60E-04	5.05E-08	2.14E-08	1.40E-04	4.42E-08	1.88E-08
1576	494411.06, 3858701.99	1.35E-04	4.27E-08	1.81E-08	1.66E-04	5.23E-08	2.22E-08	1.45E-04	4.58E-08	1.95E-08
1577	494461.06, 3858701.99	1.35E-04	4.27E-08	1.81E-08	1.66E-04	5.23E-08	2.22E-08	1.45E-04	4.58E-08	1.94E-08
1578	494511.06, 3858701.99	1.35E-04	4.26E-08	1.81E-08	1.65E-04	5.22E-08	2.21E-08	1.45E-04	4.57E-08	1.94E-08
1579	494561.06, 3858701.99	1.34E-04	4.23E-08	1.79E-08	1.64E-04	5.18E-08	2.20E-08	1.44E-04	4.54E-08	1.93E-08
1580	494611.06, 3858701.99	1.31E-04	4.14E-08	1.76E-08	1.61E-04	5.07E-08	2.15E-08	1.41E-04	4.45E-08	1.89E-08
1581	494661.06, 3858701.99	1.31E-04	4.13E-08	1.75E-08	1.60E-04	5.06E-08	2.15E-08	1.41E-04	4.44E-08	1.88E-08
1582	494711.06, 3858701.99	1.25E-04	3.96E-08	1.68E-08	1.53E-04	4.84E-08	2.06E-08	1.34E-04	4.24E-08	1.80E-08
1583	494761.06, 3858701.99	1.26E-04	3.99E-08	1.69E-08	1.55E-04	4.89E-08	2.07E-08	1.36E-04	4.28E-08	1.82E-08
1584	494811.06, 3858701.99	1.24E-04	3.91E-08	1.66E-08	1.52E-04	4.79E-08	2.03E-08	1.33E-04	4.19E-08	1.78E-08
1585	494861.06, 3858701.99	1.22E-04	3.84E-08	1.63E-08	1.49E-04	4.70E-08	2.00E-08	1.31E-04	4.12E-08	1.75E-08
1586	494911.06, 3858701.99	1.20E-04	3.78E-08	1.61E-08	1.47E-04	4.63E-08	1.97E-08	1.29E-04	4.06E-08	1.72E-08
1587	494961.06, 3858701.99	1.16E-04	3.67E-08	1.56E-08	1.42E-04	4.50E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
1588	495011.06, 3858701.99	1.14E-04	3.60E-08	1.53E-08	1.40E-04	4.41E-08	1.87E-08	1.22E-04	3.87E-08	1.64E-08
1589	495061.06, 3858701.99	1.13E-04	3.57E-08	1.51E-08	1.39E-04	4.37E-08	1.85E-08	1.21E-04	3.83E-08	1.63E-08
1590	495111.06, 3858701.99	1.10E-04	3.49E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.19E-04	3.74E-08	1.59E-08
1591	495161.06, 3858701.99	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.22E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
1592	495211.06, 3858701.99	1.07E-04	3.39E-08	1.44E-08	1.32E-04	4.15E-08	1.76E-08	1.15E-04	3.64E-08	1.54E-08
1593	495261.06, 3858701.99	1.07E-04	3.38E-08	1.43E-08	1.31E-04	4.14E-08	1.76E-08	1.15E-04	3.62E-08	1.54E-08
1594	495311.06, 3858701.99	1.07E-04	3.36E-08	1.43E-08	1.31E-04	4.12E-08	1.75E-08	1.14E-04	3.61E-08	1.53E-08
1595	495361.06, 3858701.99	1.06E-04	3.34E-08	1.42E-08	1.30E-04	4.09E-08	1.74E-08	1.14E-04	3.59E-08	1.52E-08
1596	495411.06, 3858701.99	1.06E-04	3.34E-08	1.42E-08	1.30E-04	4.09E-08	1.73E-08	1.13E-04	3.58E-08	1.52E-08

1597	495461.06, 3858701.99	1.05E-04	3.32E-08	1.41E-08	1.29E-04	4.07E-08	1.73E-08	1.13E-04	3.56E-08	1.51E-08
1598	495511.06, 3858701.99	1.04E-04	3.29E-08	1.40E-08	1.28E-04	4.04E-08	1.71E-08	1.12E-04	3.54E-08	1.50E-08
1599	495561.06, 3858701.99	1.03E-04	3.26E-08	1.38E-08	1.27E-04	4.00E-08	1.70E-08	1.11E-04	3.50E-08	1.49E-08
1600	495611.06, 3858701.99	1.02E-04	3.23E-08	1.37E-08	1.25E-04	3.96E-08	1.68E-08	1.10E-04	3.47E-08	1.47E-08
1601	495661.06, 3858701.99	1.02E-04	3.21E-08	1.36E-08	1.25E-04	3.93E-08	1.67E-08	1.09E-04	3.45E-08	1.46E-08
1602	494311.06, 3858751.99	1.24E-04	3.92E-08	1.66E-08	1.52E-04	4.80E-08	2.04E-08	1.33E-04	4.20E-08	1.78E-08
1603	494361.06, 3858751.99	1.34E-04	4.22E-08	1.79E-08	1.64E-04	5.17E-08	2.19E-08	1.44E-04	4.53E-08	1.92E-08
1604	494411.06, 3858751.99	1.37E-04	4.33E-08	1.84E-08	1.68E-04	5.31E-08	2.25E-08	1.47E-04	4.65E-08	1.97E-08
1605	494461.06, 3858751.99	1.37E-04	4.33E-08	1.84E-08	1.68E-04	5.30E-08	2.25E-08	1.47E-04	4.64E-08	1.97E-08
1606	494511.06, 3858751.99	1.37E-04	4.33E-08	1.84E-08	1.68E-04	5.31E-08	2.25E-08	1.47E-04	4.65E-08	1.97E-08
1607	494561.06, 3858751.99	1.36E-04	4.28E-08	1.82E-08	1.66E-04	5.24E-08	2.22E-08	1.46E-04	4.59E-08	1.95E-08
1608	494611.06, 3858751.99	1.33E-04	4.21E-08	1.79E-08	1.63E-04	5.16E-08	2.19E-08	1.43E-04	4.52E-08	1.92E-08
1609	494661.06, 3858751.99	1.32E-04	4.17E-08	1.77E-08	1.62E-04	5.10E-08	2.17E-08	1.42E-04	4.47E-08	1.90E-08
1610	494711.06, 3858751.99	1.29E-04	4.07E-08	1.73E-08	1.58E-04	4.98E-08	2.11E-08	1.38E-04	4.36E-08	1.85E-08
1611	494761.06, 3858751.99	1.28E-04	4.03E-08	1.71E-08	1.57E-04	4.94E-08	2.10E-08	1.37E-04	4.33E-08	1.84E-08
1612	494811.06, 3858751.99	1.25E-04	3.94E-08	1.67E-08	1.53E-04	4.83E-08	2.05E-08	1.34E-04	4.23E-08	1.80E-08
1613	494861.06, 3858751.99	1.22E-04	3.87E-08	1.64E-08	1.50E-04	4.74E-08	2.01E-08	1.31E-04	4.15E-08	1.76E-08
1614	494911.06, 3858751.99	1.20E-04	3.78E-08	1.60E-08	1.47E-04	4.63E-08	1.96E-08	1.29E-04	4.06E-08	1.72E-08
1615	494961.06, 3858751.99	1.18E-04	3.72E-08	1.58E-08	1.44E-04	4.55E-08	1.93E-08	1.26E-04	3.99E-08	1.69E-08
1616	495011.06, 3858751.99	1.16E-04	3.68E-08	1.56E-08	1.43E-04	4.50E-08	1.91E-08	1.25E-04	3.95E-08	1.67E-08
1617	495061.06, 3858751.99	1.14E-04	3.61E-08	1.53E-08	1.40E-04	4.42E-08	1.88E-08	1.23E-04	3.88E-08	1.64E-08
1618	495111.06, 3858751.99	1.12E-04	3.54E-08	1.50E-08	1.37E-04	4.33E-08	1.84E-08	1.20E-04	3.80E-08	1.61E-08
1619	495161.06, 3858751.99	1.11E-04	3.49E-08	1.48E-08	1.36E-04	4.28E-08	1.82E-08	1.19E-04	3.75E-08	1.59E-08
1620	495211.06, 3858751.99	1.09E-04	3.44E-08	1.46E-08	1.33E-04	4.21E-08	1.79E-08	1.17E-04	3.69E-08	1.57E-08
1621	495261.06, 3858751.99	1.08E-04	3.42E-08	1.45E-08	1.33E-04	4.19E-08	1.78E-08	1.16E-04	3.67E-08	1.56E-08
1622	495311.06, 3858751.99	1.08E-04	3.41E-08	1.45E-08	1.32E-04	4.18E-08	1.77E-08	1.16E-04	3.66E-08	1.55E-08
1623	495361.06, 3858751.99	1.07E-04	3.39E-08	1.44E-08	1.32E-04	4.15E-08	1.76E-08	1.15E-04	3.64E-08	1.54E-08
1624	495411.06, 3858751.99	1.07E-04	3.39E-08	1.44E-08	1.32E-04	4.15E-08	1.76E-08	1.15E-04	3.64E-08	1.54E-08
1625	495461.06, 3858751.99	1.07E-04	3.37E-08	1.43E-08	1.31E-04	4.13E-08	1.75E-08	1.15E-04	3.62E-08	1.54E-08
1626	495511.06, 3858751.99	1.06E-04	3.35E-08	1.42E-08	1.30E-04	4.10E-08	1.74E-08	1.14E-04	3.59E-08	1.52E-08
1627	495561.06, 3858751.99	1.05E-04	3.31E-08	1.41E-08	1.29E-04	4.06E-08	1.72E-08	1.13E-04	3.56E-08	1.51E-08
1628	495611.06, 3858751.99	1.04E-04	3.28E-08	1.39E-08	1.27E-04	4.02E-08	1.71E-08	1.12E-04	3.52E-08	1.50E-08
1629	495661.06, 3858751.99	1.03E-04	3.26E-08	1.38E-08	1.27E-04	3.99E-08	1.69E-08	1.11E-04	3.50E-08	1.48E-08
1630	494311.06, 3858801.99	1.28E-04	4.04E-08	1.71E-08	1.57E-04	4.95E-08	2.10E-08	1.37E-04	4.34E-08	1.84E-08
1631	494361.06, 3858801.99	1.36E-04	4.30E-08	1.82E-08	1.67E-04	5.26E-08	2.23E-08	1.46E-04	4.61E-08	1.96E-08
1632	494411.06, 3858801.99	1.38E-04	4.35E-08	1.85E-08	1.69E-04	5.33E-08	2.26E-08	1.48E-04	4.67E-08	1.98E-08
1633	494461.06, 3858801.99	1.39E-04	4.37E-08	1.86E-08	1.70E-04	5.36E-08	2.27E-08	1.49E-04	4.69E-08	1.99E-08
1634	494511.06, 3858801.99	1.39E-04	4.38E-08	1.86E-08	1.70E-04	5.37E-08	2.28E-08	1.49E-04	4.70E-08	2.00E-08
1635	494561.06, 3858801.99	1.38E-04	4.36E-08	1.85E-08	1.69E-04	5.34E-08	2.27E-08	1.48E-04	4.68E-08	1.98E-08
1636	494611.06, 3858801.99	1.37E-04	4.32E-08	1.83E-08	1.67E-04	5.29E-08	2.24E-08	1.47E-04	4.63E-08	1.96E-08
1637	494661.06, 3858801.99	1.34E-04	4.24E-08	1.80E-08	1.65E-04	5.20E-08	2.21E-08	1.44E-04	4.55E-08	1.93E-08
1638	494711.06, 3858801.99	1.32E-04	4.16E-08	1.76E-08	1.61E-04	5.09E-08	2.16E-08	1.41E-04	4.46E-08	1.89E-08
1639	494761.06, 3858801.99	1.29E-04	4.06E-08	1.72E-08	1.58E-04	4.97E-08	2.11E-08	1.38E-04	4.36E-08	1.85E-08
1640	494811.06, 3858801.99	1.25E-04	3.96E-08	1.68E-08	1.54E-04	4.85E-08	2.06E-08	1.35E-04	4.25E-08	1.80E-08
1641	494861.06, 3858801.99	1.24E-04	3.90E-08	1.66E-08	1.51E-04	4.78E-08	2.03E-08	1.33E-04	4.19E-08	1.78E-08
1642	494911.06, 3858801.99	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.68E-08	1.99E-08	1.30E-04	4.10E-08	1.74E-08
1643	494961.06, 3858801.99	1.19E-04	3.76E-08	1.60E-08	1.46E-04	4.61E-08	1.95E-08	1.28E-04	4.04E-08	1.71E-08
1644	495011.06, 3858801.99	1.17E-04	3.70E-08	1.57E-08	1.43E-04	4.53E-08	1.92E-08	1.26E-04	3.97E-08	1.68E-08
1645	495061.06, 3858801.99	1.16E-04	3.66E-08	1.55E-08	1.42E-04	4.48E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
1646	495111.06, 3858801.99	1.13E-04	3.57E-08	1.52E-08	1.39E-04	4.38E-08	1.86E-08	1.21E-04	3.83E-08	1.63E-08
1647	495161.06, 3858801.99	1.11E-04	3.51E-08	1.49E-08	1.36E-04	4.30E-08	1.83E-08	1.19E-04	3.77E-08	1.60E-08
1648	495211.06, 3858801.99	1.10E-04	3.48E-08	1.48E-08	1.35E-04	4.26E-08	1.81E-08	1.18E-04	3.74E-08	1.59E-08
1649	495261.06, 3858801.99	1.10E-04	3.47E-08	1.47E-08	1.35E-04	4.25E-08	1.80E-08	1.18E-04	3.72E-08	1.58E-08
1650	495311.06, 3858801.99	1.10E-04	3.46E-08	1.47E-08	1.34E-04	4.24E-08	1.80E-08	1.18E-04	3.71E-08	1.57E-08
1651	495361.06, 3858801.99	1.09E-04	3.44E-08	1.46E-08	1.33E-04	4.21E-08	1.79E-08	1.17E-04	3.69E-08	1.57E-08
1652	495411.06, 3858801.99	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.22E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
1653	495461.06, 3858801.99	1.09E-04	3.43E-08	1.45E-08	1.33E-04	4.20E-08	1.78E-08	1.17E-04	3.68E-08	1.56E-08
1654	495511.06, 3858801.99	1.08E-04	3.39E-08	1.44E-08	1.32E-04	4.16E-08	1.76E-08	1.15E-04	3.64E-08	1.55E-08
1655	495561.06, 3858801.99	1.07E-04	3.37E-08	1.43E-08	1.31E-04	4.13E-08	1.75E-08	1.15E-04	3.62E-08	1.53E-08
1656	495611.06, 3858801.99	1.06E-04	3.33E-08	1.41E-08	1.29E-04	4.08E-08	1.73E-08	1.13E-04	3.57E-08	1.52E-08
1657	495661.06, 3858801.99	1.05E-04	3.31E-08	1.41E-08	1.29E-04	4.06E-08	1.72E-08	1.13E-04	3.56E-08	1.51E-08
1658	494311.06, 3858851.99	1.37E-04	4.31E-08	1.83E-08	1.67E-04	5.28E-08	2.24E-08	1.47E-04	4.63E-08	1.96E-08
1659	494361.06, 3858851.99	1.41E-04	4.45E-08	1.89E-08	1.73E-04	5.45E-08	2.31E-08	1.51E-04	4.77E-08	2.03E-08
1660	494411.06, 3858851.99	1.40E-04	4.43E-08	1.88E-08	1.72E-04	5.43E-08	2.30E-08	1.51E-04	4.75E-08	2.02E-08

1661	494461.06, 3858851.99	1.40E-04	4.43E-08	1.88E-08	1.72E-04	5.43E-08	2.30E-08	1.51E-04	4.76E-08	2.02E-08
1662	494511.06, 3858851.99	1.40E-04	4.42E-08	1.88E-08	1.72E-04	5.42E-08	2.30E-08	1.50E-04	4.75E-08	2.01E-08
1663	494561.06, 3858851.99	1.39E-04	4.39E-08	1.86E-08	1.70E-04	5.38E-08	2.28E-08	1.49E-04	4.71E-08	2.00E-08
1664	494611.06, 3858851.99	1.37E-04	4.34E-08	1.84E-08	1.68E-04	5.31E-08	2.25E-08	1.47E-04	4.65E-08	1.97E-08
1665	494661.06, 3858851.99	1.35E-04	4.27E-08	1.81E-08	1.66E-04	5.23E-08	2.22E-08	1.45E-04	4.58E-08	1.94E-08
1666	494711.06, 3858851.99	1.32E-04	4.17E-08	1.77E-08	1.62E-04	5.11E-08	2.17E-08	1.42E-04	4.48E-08	1.90E-08
1667	494761.06, 3858851.99	1.29E-04	4.08E-08	1.73E-08	1.58E-04	4.99E-08	2.12E-08	1.39E-04	4.37E-08	1.86E-08
1668	494811.06, 3858851.99	1.27E-04	4.00E-08	1.70E-08	1.55E-04	4.90E-08	2.08E-08	1.36E-04	4.29E-08	1.82E-08
1669	494861.06, 3858851.99	1.25E-04	3.94E-08	1.67E-08	1.53E-04	4.83E-08	2.05E-08	1.34E-04	4.23E-08	1.80E-08
1670	494911.06, 3858851.99	1.23E-04	3.87E-08	1.64E-08	1.50E-04	4.74E-08	2.01E-08	1.32E-04	4.16E-08	1.76E-08
1671	494961.06, 3858851.99	1.21E-04	3.81E-08	1.62E-08	1.48E-04	4.66E-08	1.98E-08	1.29E-04	4.09E-08	1.73E-08
1672	495011.06, 3858851.99	1.19E-04	3.76E-08	1.59E-08	1.46E-04	4.60E-08	1.95E-08	1.28E-04	4.03E-08	1.71E-08
1673	495061.06, 3858851.99	1.17E-04	3.70E-08	1.57E-08	1.43E-04	4.53E-08	1.92E-08	1.26E-04	3.97E-08	1.68E-08
1674	495111.06, 3858851.99	1.14E-04	3.58E-08	1.52E-08	1.39E-04	4.39E-08	1.86E-08	1.22E-04	3.85E-08	1.63E-08
1675	495161.06, 3858851.99	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.79E-08	1.61E-08
1676	495211.06, 3858851.99	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.79E-08	1.61E-08
1677	495261.06, 3858851.99	1.11E-04	3.51E-08	1.49E-08	1.36E-04	4.30E-08	1.83E-08	1.19E-04	3.77E-08	1.60E-08
1678	495311.06, 3858851.99	1.11E-04	3.51E-08	1.49E-08	1.36E-04	4.30E-08	1.82E-08	1.19E-04	3.77E-08	1.60E-08
1679	495361.06, 3858851.99	1.11E-04	3.50E-08	1.48E-08	1.36E-04	4.28E-08	1.82E-08	1.19E-04	3.75E-08	1.59E-08
1680	495411.06, 3858851.99	1.10E-04	3.48E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.18E-04	3.74E-08	1.59E-08
1681	495461.06, 3858851.99	1.10E-04	3.48E-08	1.47E-08	1.35E-04	4.26E-08	1.81E-08	1.18E-04	3.73E-08	1.58E-08
1682	495511.06, 3858851.99	1.10E-04	3.46E-08	1.47E-08	1.34E-04	4.24E-08	1.80E-08	1.18E-04	3.71E-08	1.57E-08
1683	495561.06, 3858851.99	1.08E-04	3.40E-08	1.44E-08	1.32E-04	4.17E-08	1.77E-08	1.16E-04	3.65E-08	1.55E-08
1684	495611.06, 3858851.99	1.06E-04	3.36E-08	1.43E-08	1.30E-04	4.12E-08	1.75E-08	1.14E-04	3.61E-08	1.53E-08
1685	495661.06, 3858851.99	1.06E-04	3.35E-08	1.42E-08	1.30E-04	4.11E-08	1.74E-08	1.14E-04	3.60E-08	1.53E-08
1686	494311.06, 3858901.99	1.40E-04	4.40E-08	1.87E-08	1.71E-04	5.40E-08	2.29E-08	1.50E-04	4.73E-08	2.01E-08
1687	494361.06, 3858901.99	1.43E-04	4.50E-08	1.91E-08	1.75E-04	5.51E-08	2.34E-08	1.53E-04	4.83E-08	2.05E-08
1688	494411.06, 3858901.99	1.43E-04	4.50E-08	1.91E-08	1.75E-04	5.51E-08	2.34E-08	1.53E-04	4.83E-08	2.05E-08
1689	494461.06, 3858901.99	1.43E-04	4.50E-08	1.91E-08	1.75E-04	5.52E-08	2.34E-08	1.53E-04	4.83E-08	2.05E-08
1690	494511.06, 3858901.99	1.42E-04	4.49E-08	1.91E-08	1.74E-04	5.50E-08	2.33E-08	1.53E-04	4.82E-08	2.04E-08
1691	494561.06, 3858901.99	1.41E-04	4.44E-08	1.88E-08	1.72E-04	5.43E-08	2.31E-08	1.51E-04	4.76E-08	2.02E-08
1692	494611.06, 3858901.99	1.38E-04	4.34E-08	1.84E-08	1.69E-04	5.32E-08	2.26E-08	1.48E-04	4.66E-08	1.98E-08
1693	494661.06, 3858901.99	1.36E-04	4.29E-08	1.82E-08	1.66E-04	5.25E-08	2.23E-08	1.46E-04	4.60E-08	1.95E-08
1694	494711.06, 3858901.99	1.33E-04	4.20E-08	1.78E-08	1.63E-04	5.15E-08	2.18E-08	1.43E-04	4.51E-08	1.91E-08
1695	494761.06, 3858901.99	1.30E-04	4.10E-08	1.74E-08	1.59E-04	5.02E-08	2.13E-08	1.39E-04	4.40E-08	1.87E-08
1696	494811.06, 3858901.99	1.28E-04	4.04E-08	1.71E-08	1.57E-04	4.94E-08	2.10E-08	1.37E-04	4.33E-08	1.84E-08
1697	494861.06, 3858901.99	1.26E-04	3.99E-08	1.69E-08	1.55E-04	4.89E-08	2.07E-08	1.36E-04	4.28E-08	1.82E-08
1698	494911.06, 3858901.99	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.76E-08	2.02E-08	1.32E-04	4.17E-08	1.77E-08
1699	494961.06, 3858901.99	1.21E-04	3.83E-08	1.63E-08	1.49E-04	4.69E-08	1.99E-08	1.30E-04	4.11E-08	1.74E-08
1700	495011.06, 3858901.99	1.20E-04	3.78E-08	1.60E-08	1.47E-04	4.63E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
1701	495061.06, 3858901.99	1.17E-04	3.70E-08	1.57E-08	1.44E-04	4.53E-08	1.92E-08	1.26E-04	3.97E-08	1.68E-08
1702	495111.06, 3858901.99	1.14E-04	3.59E-08	1.52E-08	1.39E-04	4.39E-08	1.86E-08	1.22E-04	3.85E-08	1.63E-08
1703	495161.06, 3858901.99	1.13E-04	3.55E-08	1.51E-08	1.38E-04	4.35E-08	1.85E-08	1.21E-04	3.81E-08	1.62E-08
1704	495211.06, 3858901.99	1.13E-04	3.57E-08	1.52E-08	1.39E-04	4.38E-08	1.86E-08	1.22E-04	3.84E-08	1.63E-08
1705	495261.06, 3858901.99	1.13E-04	3.57E-08	1.51E-08	1.38E-04	4.37E-08	1.85E-08	1.21E-04	3.83E-08	1.62E-08
1706	495311.06, 3858901.99	1.12E-04	3.55E-08	1.51E-08	1.38E-04	4.35E-08	1.84E-08	1.21E-04	3.81E-08	1.62E-08
1707	495361.06, 3858901.99	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.33E-08	1.84E-08	1.20E-04	3.79E-08	1.61E-08
1708	495411.06, 3858901.99	1.12E-04	3.54E-08	1.50E-08	1.37E-04	4.33E-08	1.84E-08	1.20E-04	3.79E-08	1.61E-08
1709	495461.06, 3858901.99	1.11E-04	3.51E-08	1.49E-08	1.36E-04	4.30E-08	1.83E-08	1.19E-04	3.77E-08	1.60E-08
1710	495511.06, 3858901.99	1.10E-04	3.48E-08	1.47E-08	1.35E-04	4.26E-08	1.81E-08	1.18E-04	3.73E-08	1.58E-08
1711	495561.06, 3858901.99	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.22E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
1712	495611.06, 3858901.99	1.08E-04	3.41E-08	1.44E-08	1.32E-04	4.17E-08	1.77E-08	1.16E-04	3.65E-08	1.55E-08
1713	495661.06, 3858901.99	1.08E-04	3.40E-08	1.44E-08	1.32E-04	4.16E-08	1.77E-08	1.16E-04	3.65E-08	1.55E-08
1714	494311.06, 3858951.99	1.44E-04	4.55E-08	1.93E-08	1.76E-04	5.57E-08	2.36E-08	1.55E-04	4.88E-08	2.07E-08
1715	494361.06, 3858951.99	1.45E-04	4.58E-08	1.94E-08	1.78E-04	5.60E-08	2.38E-08	1.56E-04	4.91E-08	2.08E-08
1716	494411.06, 3858951.99	1.44E-04	4.54E-08	1.92E-08	1.76E-04	5.56E-08	2.36E-08	1.54E-04	4.87E-08	2.07E-08
1717	494461.06, 3858951.99	1.44E-04	4.54E-08	1.93E-08	1.76E-04	5.56E-08	2.36E-08	1.54E-04	4.87E-08	2.07E-08
1718	494511.06, 3858951.99	1.43E-04	4.51E-08	1.91E-08	1.75E-04	5.52E-08	2.34E-08	1.53E-04	4.84E-08	2.05E-08
1719	494561.06, 3858951.99	1.41E-04	4.46E-08	1.89E-08	1.73E-04	5.46E-08	2.32E-08	1.52E-04	4.78E-08	2.03E-08
1720	494611.06, 3858951.99	1.39E-04	4.38E-08	1.86E-08	1.70E-04	5.37E-08	2.28E-08	1.49E-04	4.70E-08	2.00E-08
1721	494661.06, 3858951.99	1.37E-04	4.31E-08	1.83E-08	1.67E-04	5.28E-08	2.24E-08	1.47E-04	4.63E-08	1.96E-08
1722	494711.06, 3858951.99	1.33E-04	4.21E-08	1.79E-08	1.63E-04	5.16E-08	2.19E-08	1.43E-04	4.52E-08	1.92E-08
1723	494761.06, 3858951.99	1.31E-04	4.13E-08	1.75E-08	1.60E-04	5.06E-08	2.15E-08	1.41E-04	4.44E-08	1.88E-08
1724	494811.06, 3858951.99	1.29E-04	4.08E-08	1.73E-08	1.58E-04	5.00E-08	2.12E-08	1.39E-04	4.38E-08	1.86E-08

1725	494861.06, 3858951.99	1.28E-04	4.03E-08	1.71E-08	1.56E-04	4.93E-08	2.09E-08	1.37E-04	4.32E-08	1.83E-08
1726	494911.06, 3858951.99	1.25E-04	3.95E-08	1.68E-08	1.53E-04	4.84E-08	2.05E-08	1.34E-04	4.24E-08	1.80E-08
1727	494961.06, 3858951.99	1.24E-04	3.91E-08	1.66E-08	1.52E-04	4.79E-08	2.03E-08	1.33E-04	4.20E-08	1.78E-08
1728	495011.06, 3858951.99	1.20E-04	3.79E-08	1.61E-08	1.47E-04	4.64E-08	1.97E-08	1.29E-04	4.07E-08	1.73E-08
1729	495061.06, 3858951.99	1.16E-04	3.68E-08	1.56E-08	1.43E-04	4.50E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
1730	495111.06, 3858951.99	1.14E-04	3.59E-08	1.52E-08	1.39E-04	4.40E-08	1.87E-08	1.22E-04	3.85E-08	1.63E-08
1731	495161.06, 3858951.99	1.15E-04	3.63E-08	1.54E-08	1.41E-04	4.44E-08	1.88E-08	1.23E-04	3.89E-08	1.65E-08
1732	495211.06, 3858951.99	1.15E-04	3.62E-08	1.54E-08	1.40E-04	4.43E-08	1.88E-08	1.23E-04	3.89E-08	1.65E-08
1733	495261.06, 3858951.99	1.14E-04	3.61E-08	1.53E-08	1.40E-04	4.43E-08	1.88E-08	1.23E-04	3.88E-08	1.65E-08
1734	495311.06, 3858951.99	1.13E-04	3.57E-08	1.51E-08	1.39E-04	4.37E-08	1.86E-08	1.21E-04	3.83E-08	1.63E-08
1735	495361.06, 3858951.99	1.13E-04	3.57E-08	1.51E-08	1.38E-04	4.37E-08	1.85E-08	1.21E-04	3.83E-08	1.62E-08
1736	495411.06, 3858951.99	1.13E-04	3.57E-08	1.52E-08	1.39E-04	4.38E-08	1.86E-08	1.21E-04	3.83E-08	1.63E-08
1737	495461.06, 3858951.99	1.13E-04	3.55E-08	1.51E-08	1.38E-04	4.35E-08	1.85E-08	1.21E-04	3.81E-08	1.62E-08
1738	495511.06, 3858951.99	1.12E-04	3.55E-08	1.51E-08	1.38E-04	4.35E-08	1.84E-08	1.21E-04	3.81E-08	1.62E-08
1739	495561.06, 3858951.99	1.11E-04	3.49E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.19E-04	3.74E-08	1.59E-08
1740	495611.06, 3858951.99	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.23E-08	1.79E-08	1.17E-04	3.71E-08	1.57E-08
1741	495661.06, 3858951.99	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.22E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
1742	494311.06, 3859001.99	1.47E-04	4.63E-08	1.96E-08	1.79E-04	5.67E-08	2.40E-08	1.57E-04	4.96E-08	2.11E-08
1743	494361.06, 3859001.99	1.46E-04	4.61E-08	1.96E-08	1.79E-04	5.65E-08	2.40E-08	1.57E-04	4.95E-08	2.10E-08
1744	494411.06, 3859001.99	1.46E-04	4.60E-08	1.95E-08	1.78E-04	5.63E-08	2.39E-08	1.56E-04	4.93E-08	2.09E-08
1745	494461.06, 3859001.99	1.45E-04	4.57E-08	1.94E-08	1.77E-04	5.60E-08	2.37E-08	1.55E-04	4.90E-08	2.08E-08
1746	494511.06, 3859001.99	1.44E-04	4.54E-08	1.93E-08	1.76E-04	5.56E-08	2.36E-08	1.54E-04	4.87E-08	2.07E-08
1747	494561.06, 3859001.99	1.42E-04	4.47E-08	1.90E-08	1.73E-04	5.47E-08	2.32E-08	1.52E-04	4.80E-08	2.04E-08
1748	494611.06, 3859001.99	1.40E-04	4.40E-08	1.87E-08	1.71E-04	5.39E-08	2.29E-08	1.50E-04	4.73E-08	2.00E-08
1749	494661.06, 3859001.99	1.37E-04	4.32E-08	1.83E-08	1.68E-04	5.29E-08	2.25E-08	1.47E-04	4.64E-08	1.97E-08
1750	494711.06, 3859001.99	1.34E-04	4.22E-08	1.79E-08	1.64E-04	5.17E-08	2.20E-08	1.44E-04	4.53E-08	1.92E-08
1751	494761.06, 3859001.99	1.32E-04	4.16E-08	1.77E-08	1.62E-04	5.10E-08	2.16E-08	1.42E-04	4.47E-08	1.90E-08
1752	494811.06, 3859001.99	1.31E-04	4.13E-08	1.75E-08	1.60E-04	5.05E-08	2.14E-08	1.40E-04	4.43E-08	1.88E-08
1753	494861.06, 3859001.99	1.29E-04	4.06E-08	1.72E-08	1.58E-04	4.97E-08	2.11E-08	1.38E-04	4.36E-08	1.85E-08
1754	494911.06, 3859001.99	1.26E-04	3.99E-08	1.69E-08	1.55E-04	4.89E-08	2.07E-08	1.36E-04	4.28E-08	1.82E-08
1755	494961.06, 3859001.99	1.24E-04	3.92E-08	1.66E-08	1.52E-04	4.80E-08	2.04E-08	1.33E-04	4.21E-08	1.78E-08
1756	495011.06, 3859001.99	1.18E-04	3.73E-08	1.58E-08	1.45E-04	4.57E-08	1.94E-08	1.27E-04	4.00E-08	1.70E-08
1757	495061.06, 3859001.99	1.17E-04	3.69E-08	1.57E-08	1.43E-04	4.52E-08	1.92E-08	1.25E-04	3.96E-08	1.68E-08
1758	495111.06, 3859001.99	1.14E-04	3.61E-08	1.53E-08	1.40E-04	4.42E-08	1.88E-08	1.23E-04	3.87E-08	1.64E-08
1759	495161.06, 3859001.99	1.16E-04	3.67E-08	1.56E-08	1.42E-04	4.49E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
1760	495211.06, 3859001.99	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.47E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
1761	495261.06, 3859001.99	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.47E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
1762	495311.06, 3859001.99	1.15E-04	3.63E-08	1.54E-08	1.41E-04	4.44E-08	1.88E-08	1.23E-04	3.89E-08	1.65E-08
1763	495361.06, 3859001.99	1.15E-04	3.62E-08	1.54E-08	1.41E-04	4.44E-08	1.88E-08	1.23E-04	3.89E-08	1.65E-08
1764	495411.06, 3859001.99	1.14E-04	3.61E-08	1.53E-08	1.40E-04	4.42E-08	1.88E-08	1.23E-04	3.87E-08	1.64E-08
1765	495461.06, 3859001.99	1.14E-04	3.60E-08	1.53E-08	1.40E-04	4.41E-08	1.87E-08	1.22E-04	3.86E-08	1.64E-08
1766	495511.06, 3859001.99	1.13E-04	3.55E-08	1.51E-08	1.38E-04	4.35E-08	1.85E-08	1.21E-04	3.81E-08	1.62E-08
1767	495561.06, 3859001.99	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.78E-08	1.61E-08
1768	495611.06, 3859001.99	1.11E-04	3.50E-08	1.48E-08	1.36E-04	4.28E-08	1.82E-08	1.19E-04	3.75E-08	1.59E-08
1769	495661.06, 3859001.99	1.11E-04	3.51E-08	1.49E-08	1.36E-04	4.30E-08	1.83E-08	1.19E-04	3.77E-08	1.60E-08
1770	494311.06, 3859051.99	1.48E-04	4.67E-08	1.98E-08	1.81E-04	5.72E-08	2.43E-08	1.59E-04	5.01E-08	2.13E-08
1771	494361.06, 3859051.99	1.48E-04	4.66E-08	1.98E-08	1.81E-04	5.71E-08	2.42E-08	1.59E-04	5.00E-08	2.12E-08
1772	494411.06, 3859051.99	1.47E-04	4.62E-08	1.96E-08	1.79E-04	5.66E-08	2.40E-08	1.57E-04	4.96E-08	2.11E-08
1773	494461.06, 3859051.99	1.45E-04	4.58E-08	1.94E-08	1.78E-04	5.61E-08	2.38E-08	1.56E-04	4.92E-08	2.09E-08
1774	494511.06, 3859051.99	1.43E-04	4.52E-08	1.92E-08	1.76E-04	5.54E-08	2.35E-08	1.54E-04	4.85E-08	2.06E-08
1775	494561.06, 3859051.99	1.42E-04	4.47E-08	1.90E-08	1.74E-04	5.48E-08	2.33E-08	1.52E-04	4.80E-08	2.04E-08
1776	494611.06, 3859051.99	1.40E-04	4.41E-08	1.87E-08	1.71E-04	5.40E-08	2.29E-08	1.50E-04	4.73E-08	2.01E-08
1777	494661.06, 3859051.99	1.37E-04	4.34E-08	1.84E-08	1.68E-04	5.31E-08	2.25E-08	1.47E-04	4.65E-08	1.97E-08
1778	494711.06, 3859051.99	1.35E-04	4.27E-08	1.81E-08	1.66E-04	5.23E-08	2.22E-08	1.45E-04	4.58E-08	1.94E-08
1779	494761.06, 3859051.99	1.33E-04	4.19E-08	1.78E-08	1.63E-04	5.14E-08	2.18E-08	1.43E-04	4.50E-08	1.91E-08
1780	494811.06, 3859051.99	1.31E-04	4.14E-08	1.76E-08	1.61E-04	5.08E-08	2.15E-08	1.41E-04	4.45E-08	1.89E-08
1781	494861.06, 3859051.99	1.30E-04	4.09E-08	1.74E-08	1.59E-04	5.01E-08	2.13E-08	1.39E-04	4.39E-08	1.86E-08
1782	494911.06, 3859051.99	1.27E-04	4.01E-08	1.70E-08	1.56E-04	4.91E-08	2.08E-08	1.36E-04	4.30E-08	1.83E-08
1783	494961.06, 3859051.99	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.76E-08	2.02E-08	1.32E-04	4.17E-08	1.77E-08
1784	495011.06, 3859051.99	1.20E-04	3.79E-08	1.61E-08	1.47E-04	4.65E-08	1.97E-08	1.29E-04	4.07E-08	1.73E-08
1785	495061.06, 3859051.99	1.18E-04	3.73E-08	1.58E-08	1.45E-04	4.57E-08	1.94E-08	1.27E-04	4.00E-08	1.70E-08
1786	495111.06, 3859051.99	1.17E-04	3.70E-08	1.57E-08	1.43E-04	4.53E-08	1.92E-08	1.26E-04	3.97E-08	1.68E-08
1787	495161.06, 3859051.99	1.18E-04	3.72E-08	1.58E-08	1.44E-04	4.56E-08	1.93E-08	1.27E-04	4.00E-08	1.70E-08
1788	495211.06, 3859051.99	1.17E-04	3.68E-08	1.56E-08	1.43E-04	4.51E-08	1.91E-08	1.25E-04	3.95E-08	1.68E-08

1789	495261.06, 3859051.99	1.17E-04	3.69E-08	1.57E-08	1.43E-04	4.52E-08	1.92E-08	1.26E-04	3.96E-08	1.68E-08
1790	495311.06, 3859051.99	1.16E-04	3.67E-08	1.56E-08	1.42E-04	4.49E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
1791	495361.06, 3859051.99	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.48E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
1792	495411.06, 3859051.99	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.48E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
1793	495461.06, 3859051.99	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.47E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
1794	495511.06, 3859051.99	1.14E-04	3.60E-08	1.53E-08	1.40E-04	4.41E-08	1.87E-08	1.23E-04	3.87E-08	1.64E-08
1795	495561.06, 3859051.99	1.13E-04	3.57E-08	1.51E-08	1.38E-04	4.37E-08	1.85E-08	1.21E-04	3.83E-08	1.62E-08
1796	495611.06, 3859051.99	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.33E-08	1.84E-08	1.20E-04	3.79E-08	1.61E-08
1797	495661.06, 3859051.99	1.12E-04	3.55E-08	1.51E-08	1.38E-04	4.35E-08	1.84E-08	1.21E-04	3.81E-08	1.62E-08
1798	494311.06, 3859101.99	1.49E-04	4.70E-08	2.00E-08	1.83E-04	5.76E-08	2.44E-08	1.60E-04	5.05E-08	2.14E-08
1799	494361.06, 3859101.99	1.48E-04	4.67E-08	1.98E-08	1.81E-04	5.72E-08	2.43E-08	1.59E-04	5.01E-08	2.13E-08
1800	494411.06, 3859101.99	1.47E-04	4.64E-08	1.97E-08	1.80E-04	5.69E-08	2.41E-08	1.58E-04	4.98E-08	2.11E-08
1801	494461.06, 3859101.99	1.46E-04	4.60E-08	1.95E-08	1.78E-04	5.63E-08	2.39E-08	1.56E-04	4.94E-08	2.09E-08
1802	494511.06, 3859101.99	1.44E-04	4.53E-08	1.92E-08	1.76E-04	5.55E-08	2.36E-08	1.54E-04	4.87E-08	2.06E-08
1803	494561.06, 3859101.99	1.42E-04	4.48E-08	1.90E-08	1.74E-04	5.49E-08	2.33E-08	1.52E-04	4.81E-08	2.04E-08
1804	494611.06, 3859101.99	1.39E-04	4.40E-08	1.87E-08	1.71E-04	5.39E-08	2.29E-08	1.50E-04	4.72E-08	2.00E-08
1805	494661.06, 3859101.99	1.38E-04	4.35E-08	1.85E-08	1.69E-04	5.33E-08	2.26E-08	1.48E-04	4.67E-08	1.98E-08
1806	494711.06, 3859101.99	1.35E-04	4.26E-08	1.81E-08	1.65E-04	5.21E-08	2.21E-08	1.45E-04	4.57E-08	1.94E-08
1807	494761.06, 3859101.99	1.34E-04	4.23E-08	1.80E-08	1.64E-04	5.18E-08	2.20E-08	1.44E-04	4.54E-08	1.93E-08
1808	494811.06, 3859101.99	1.32E-04	4.17E-08	1.77E-08	1.62E-04	5.11E-08	2.17E-08	1.42E-04	4.47E-08	1.90E-08
1809	494861.06, 3859101.99	1.30E-04	4.11E-08	1.75E-08	1.60E-04	5.04E-08	2.14E-08	1.40E-04	4.41E-08	1.87E-08
1810	494911.06, 3859101.99	1.28E-04	4.03E-08	1.71E-08	1.56E-04	4.94E-08	2.10E-08	1.37E-04	4.33E-08	1.84E-08
1811	494961.06, 3859101.99	1.24E-04	3.91E-08	1.66E-08	1.52E-04	4.78E-08	2.03E-08	1.33E-04	4.19E-08	1.78E-08
1812	495011.06, 3859101.99	1.19E-04	3.77E-08	1.60E-08	1.46E-04	4.62E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
1813	495061.06, 3859101.99	1.19E-04	3.77E-08	1.60E-08	1.46E-04	4.62E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
1814	495111.06, 3859101.99	1.18E-04	3.73E-08	1.58E-08	1.45E-04	4.57E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
1815	495161.06, 3859101.99	1.19E-04	3.76E-08	1.59E-08	1.46E-04	4.60E-08	1.95E-08	1.28E-04	4.03E-08	1.71E-08
1816	495211.06, 3859101.99	1.18E-04	3.72E-08	1.58E-08	1.44E-04	4.56E-08	1.93E-08	1.27E-04	3.99E-08	1.69E-08
1817	495261.06, 3859101.99	1.18E-04	3.72E-08	1.58E-08	1.44E-04	4.56E-08	1.93E-08	1.27E-04	3.99E-08	1.69E-08
1818	495311.06, 3859101.99	1.18E-04	3.71E-08	1.57E-08	1.44E-04	4.55E-08	1.93E-08	1.26E-04	3.98E-08	1.69E-08
1819	495361.06, 3859101.99	1.18E-04	3.71E-08	1.57E-08	1.44E-04	4.54E-08	1.93E-08	1.26E-04	3.98E-08	1.69E-08
1820	495411.06, 3859101.99	1.17E-04	3.70E-08	1.57E-08	1.44E-04	4.53E-08	1.92E-08	1.26E-04	3.97E-08	1.69E-08
1821	495461.06, 3859101.99	1.16E-04	3.67E-08	1.56E-08	1.43E-04	4.50E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
1822	495511.06, 3859101.99	1.16E-04	3.66E-08	1.55E-08	1.42E-04	4.48E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
1823	495561.06, 3859101.99	1.15E-04	3.62E-08	1.54E-08	1.40E-04	4.43E-08	1.88E-08	1.23E-04	3.88E-08	1.65E-08
1824	495611.06, 3859101.99	1.13E-04	3.58E-08	1.52E-08	1.39E-04	4.39E-08	1.86E-08	1.22E-04	3.84E-08	1.63E-08
1825	495661.06, 3859101.99	1.13E-04	3.58E-08	1.52E-08	1.39E-04	4.38E-08	1.86E-08	1.22E-04	3.84E-08	1.63E-08
1826	494311.06, 3859151.99	1.49E-04	4.71E-08	2.00E-08	1.83E-04	5.77E-08	2.45E-08	1.60E-04	5.06E-08	2.15E-08
1827	494361.06, 3859151.99	1.49E-04	4.69E-08	1.99E-08	1.82E-04	5.74E-08	2.44E-08	1.59E-04	5.03E-08	2.13E-08
1828	494411.06, 3859151.99	1.47E-04	4.64E-08	1.97E-08	1.80E-04	5.68E-08	2.41E-08	1.58E-04	4.98E-08	2.11E-08
1829	494461.06, 3859151.99	1.45E-04	4.59E-08	1.95E-08	1.78E-04	5.62E-08	2.38E-08	1.56E-04	4.92E-08	2.09E-08
1830	494511.06, 3859151.99	1.43E-04	4.52E-08	1.92E-08	1.75E-04	5.54E-08	2.35E-08	1.54E-04	4.85E-08	2.06E-08
1831	494561.06, 3859151.99	1.42E-04	4.48E-08	1.90E-08	1.74E-04	5.49E-08	2.33E-08	1.52E-04	4.81E-08	2.04E-08
1832	494611.06, 3859151.99	1.40E-04	4.41E-08	1.87E-08	1.71E-04	5.40E-08	2.29E-08	1.50E-04	4.73E-08	2.01E-08
1833	494661.06, 3859151.99	1.38E-04	4.37E-08	1.85E-08	1.69E-04	5.35E-08	2.27E-08	1.48E-04	4.69E-08	1.99E-08
1834	494711.06, 3859151.99	1.37E-04	4.33E-08	1.84E-08	1.68E-04	5.30E-08	2.25E-08	1.47E-04	4.64E-08	1.97E-08
1835	494761.06, 3859151.99	1.35E-04	4.25E-08	1.80E-08	1.65E-04	5.20E-08	2.21E-08	1.44E-04	4.56E-08	1.93E-08
1836	494811.06, 3859151.99	1.32E-04	4.18E-08	1.77E-08	1.62E-04	5.12E-08	2.17E-08	1.42E-04	4.48E-08	1.90E-08
1837	494861.06, 3859151.99	1.31E-04	4.13E-08	1.75E-08	1.60E-04	5.06E-08	2.15E-08	1.40E-04	4.43E-08	1.88E-08
1838	494911.06, 3859151.99	1.28E-04	4.04E-08	1.72E-08	1.57E-04	4.95E-08	2.10E-08	1.37E-04	4.34E-08	1.84E-08
1839	494961.06, 3859151.99	1.24E-04	3.93E-08	1.67E-08	1.52E-04	4.81E-08	2.04E-08	1.33E-04	4.21E-08	1.79E-08
1840	495011.06, 3859151.99	1.21E-04	3.80E-08	1.61E-08	1.48E-04	4.66E-08	1.98E-08	1.29E-04	4.08E-08	1.73E-08
1841	495061.06, 3859151.99	1.20E-04	3.79E-08	1.61E-08	1.47E-04	4.65E-08	1.97E-08	1.29E-04	4.07E-08	1.73E-08
1842	495111.06, 3859151.99	1.19E-04	3.77E-08	1.60E-08	1.46E-04	4.62E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
1843	495161.06, 3859151.99	1.20E-04	3.79E-08	1.61E-08	1.47E-04	4.65E-08	1.97E-08	1.29E-04	4.07E-08	1.73E-08
1844	495211.06, 3859151.99	1.20E-04	3.77E-08	1.60E-08	1.46E-04	4.62E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
1845	495261.06, 3859151.99	1.19E-04	3.76E-08	1.59E-08	1.46E-04	4.60E-08	1.95E-08	1.28E-04	4.03E-08	1.71E-08
1846	495311.06, 3859151.99	1.19E-04	3.75E-08	1.59E-08	1.45E-04	4.59E-08	1.95E-08	1.27E-04	4.02E-08	1.71E-08
1847	495361.06, 3859151.99	1.18E-04	3.73E-08	1.58E-08	1.45E-04	4.57E-08	1.94E-08	1.27E-04	4.00E-08	1.70E-08
1848	495411.06, 3859151.99	1.19E-04	3.75E-08	1.59E-08	1.45E-04	4.59E-08	1.95E-08	1.27E-04	4.02E-08	1.71E-08
1849	495461.06, 3859151.99	1.18E-04	3.73E-08	1.58E-08	1.45E-04	4.57E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
1850	495511.06, 3859151.99	1.17E-04	3.69E-08	1.57E-08	1.43E-04	4.52E-08	1.92E-08	1.25E-04	3.96E-08	1.68E-08
1851	495561.06, 3859151.99	1.16E-04	3.66E-08	1.55E-08	1.42E-04	4.48E-08	1.90E-08	1.24E-04	3.93E-08	1.67E-08
1852	495611.06, 3859151.99	1.15E-04	3.63E-08	1.54E-08	1.41E-04	4.45E-08	1.89E-08	1.24E-04	3.90E-08	1.65E-08

1853	495661.06, 3859151.99	1.14E-04	3.61E-08	1.53E-08	1.40E-04	4.43E-08	1.88E-08	1.23E-04	3.88E-08	1.65E-08
1854	494311.06, 3859201.99	1.49E-04	4.71E-08	2.00E-08	1.83E-04	5.76E-08	2.45E-08	1.60E-04	5.05E-08	2.14E-08
1855	494361.06, 3859201.99	1.48E-04	4.67E-08	1.98E-08	1.81E-04	5.73E-08	2.43E-08	1.59E-04	5.02E-08	2.13E-08
1856	494411.06, 3859201.99	1.47E-04	4.63E-08	1.97E-08	1.80E-04	5.68E-08	2.41E-08	1.58E-04	4.97E-08	2.11E-08
1857	494461.06, 3859201.99	1.45E-04	4.57E-08	1.94E-08	1.78E-04	5.60E-08	2.38E-08	1.56E-04	4.91E-08	2.08E-08
1858	494511.06, 3859201.99	1.44E-04	4.53E-08	1.92E-08	1.76E-04	5.55E-08	2.36E-08	1.54E-04	4.86E-08	2.06E-08
1859	494561.06, 3859201.99	1.41E-04	4.47E-08	1.89E-08	1.73E-04	5.47E-08	2.32E-08	1.52E-04	4.79E-08	2.03E-08
1860	494611.06, 3859201.99	1.40E-04	4.41E-08	1.87E-08	1.71E-04	5.40E-08	2.29E-08	1.50E-04	4.73E-08	2.01E-08
1861	494661.06, 3859201.99	1.38E-04	4.37E-08	1.85E-08	1.70E-04	5.35E-08	2.27E-08	1.49E-04	4.69E-08	1.99E-08
1862	494711.06, 3859201.99	1.37E-04	4.32E-08	1.83E-08	1.68E-04	5.30E-08	2.25E-08	1.47E-04	4.64E-08	1.97E-08
1863	494761.06, 3859201.99	1.35E-04	4.25E-08	1.80E-08	1.65E-04	5.21E-08	2.21E-08	1.45E-04	4.56E-08	1.94E-08
1864	494811.06, 3859201.99	1.33E-04	4.19E-08	1.78E-08	1.63E-04	5.13E-08	2.18E-08	1.42E-04	4.50E-08	1.91E-08
1865	494861.06, 3859201.99	1.31E-04	4.12E-08	1.75E-08	1.60E-04	5.05E-08	2.14E-08	1.40E-04	4.42E-08	1.88E-08
1866	494911.06, 3859201.99	1.27E-04	4.02E-08	1.71E-08	1.56E-04	4.93E-08	2.09E-08	1.37E-04	4.32E-08	1.83E-08
1867	494961.06, 3859201.99	1.24E-04	3.92E-08	1.66E-08	1.52E-04	4.80E-08	2.04E-08	1.33E-04	4.21E-08	1.79E-08
1868	495011.06, 3859201.99	1.20E-04	3.79E-08	1.61E-08	1.47E-04	4.64E-08	1.97E-08	1.29E-04	4.06E-08	1.72E-08
1869	495061.06, 3859201.99	1.21E-04	3.83E-08	1.63E-08	1.49E-04	4.69E-08	1.99E-08	1.30E-04	4.11E-08	1.75E-08
1870	495111.06, 3859201.99	1.21E-04	3.83E-08	1.62E-08	1.49E-04	4.69E-08	1.99E-08	1.30E-04	4.11E-08	1.74E-08
1871	495161.06, 3859201.99	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.68E-08	1.98E-08	1.30E-04	4.10E-08	1.74E-08
1872	495211.06, 3859201.99	1.20E-04	3.79E-08	1.61E-08	1.47E-04	4.64E-08	1.97E-08	1.29E-04	4.07E-08	1.72E-08
1873	495261.06, 3859201.99	1.20E-04	3.79E-08	1.61E-08	1.47E-04	4.64E-08	1.97E-08	1.29E-04	4.06E-08	1.72E-08
1874	495311.06, 3859201.99	1.20E-04	3.77E-08	1.60E-08	1.46E-04	4.62E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
1875	495361.06, 3859201.99	1.19E-04	3.77E-08	1.60E-08	1.46E-04	4.61E-08	1.96E-08	1.28E-04	4.04E-08	1.71E-08
1876	495411.06, 3859201.99	1.20E-04	3.78E-08	1.60E-08	1.47E-04	4.62E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
1877	495461.06, 3859201.99	1.19E-04	3.76E-08	1.59E-08	1.46E-04	4.60E-08	1.95E-08	1.28E-04	4.03E-08	1.71E-08
1878	495511.06, 3859201.99	1.18E-04	3.74E-08	1.58E-08	1.45E-04	4.57E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
1879	495561.06, 3859201.99	1.17E-04	3.69E-08	1.57E-08	1.43E-04	4.52E-08	1.92E-08	1.25E-04	3.96E-08	1.68E-08
1880	495611.06, 3859201.99	1.16E-04	3.66E-08	1.55E-08	1.42E-04	4.48E-08	1.90E-08	1.24E-04	3.93E-08	1.67E-08
1881	495661.06, 3859201.99	1.15E-04	3.64E-08	1.54E-08	1.41E-04	4.46E-08	1.89E-08	1.24E-04	3.90E-08	1.66E-08
1882	494311.06, 3859251.99	1.49E-04	4.69E-08	1.99E-08	1.82E-04	5.75E-08	2.44E-08	1.60E-04	5.04E-08	2.14E-08
1883	494361.06, 3859251.99	1.47E-04	4.65E-08	1.97E-08	1.81E-04	5.70E-08	2.42E-08	1.58E-04	4.99E-08	2.12E-08
1884	494411.06, 3859251.99	1.46E-04	4.60E-08	1.95E-08	1.78E-04	5.63E-08	2.39E-08	1.56E-04	4.93E-08	2.09E-08
1885	494461.06, 3859251.99	1.44E-04	4.56E-08	1.93E-08	1.77E-04	5.58E-08	2.37E-08	1.55E-04	4.89E-08	2.08E-08
1886	494511.06, 3859251.99	1.42E-04	4.49E-08	1.91E-08	1.74E-04	5.50E-08	2.34E-08	1.53E-04	4.82E-08	2.05E-08
1887	494561.06, 3859251.99	1.41E-04	4.45E-08	1.89E-08	1.73E-04	5.45E-08	2.31E-08	1.51E-04	4.78E-08	2.03E-08
1888	494611.06, 3859251.99	1.39E-04	4.39E-08	1.86E-08	1.71E-04	5.38E-08	2.28E-08	1.49E-04	4.72E-08	2.00E-08
1889	494661.06, 3859251.99	1.38E-04	4.36E-08	1.85E-08	1.69E-04	5.34E-08	2.27E-08	1.48E-04	4.68E-08	1.99E-08
1890	494711.06, 3859251.99	1.37E-04	4.32E-08	1.83E-08	1.68E-04	5.29E-08	2.24E-08	1.47E-04	4.64E-08	1.97E-08
1891	494761.06, 3859251.99	1.34E-04	4.21E-08	1.79E-08	1.64E-04	5.16E-08	2.19E-08	1.43E-04	4.52E-08	1.92E-08
1892	494811.06, 3859251.99	1.33E-04	4.19E-08	1.78E-08	1.63E-04	5.14E-08	2.18E-08	1.43E-04	4.50E-08	1.91E-08
1893	494861.06, 3859251.99	1.30E-04	4.09E-08	1.74E-08	1.59E-04	5.01E-08	2.13E-08	1.39E-04	4.39E-08	1.86E-08
1894	494911.06, 3859251.99	1.27E-04	4.00E-08	1.70E-08	1.55E-04	4.90E-08	2.08E-08	1.36E-04	4.29E-08	1.82E-08
1895	494961.06, 3859251.99	1.25E-04	3.95E-08	1.68E-08	1.53E-04	4.84E-08	2.05E-08	1.34E-04	4.24E-08	1.80E-08
1896	495011.06, 3859251.99	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.77E-08	2.02E-08	1.32E-04	4.18E-08	1.77E-08
1897	495061.06, 3859251.99	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.77E-08	2.02E-08	1.32E-04	4.18E-08	1.77E-08
1898	495111.06, 3859251.99	1.23E-04	3.87E-08	1.64E-08	1.50E-04	4.74E-08	2.01E-08	1.32E-04	4.15E-08	1.76E-08
1899	495161.06, 3859251.99	1.22E-04	3.86E-08	1.64E-08	1.50E-04	4.72E-08	2.00E-08	1.31E-04	4.14E-08	1.76E-08
1900	495211.06, 3859251.99	1.21E-04	3.83E-08	1.62E-08	1.49E-04	4.69E-08	1.99E-08	1.30E-04	4.11E-08	1.74E-08
1901	495261.06, 3859251.99	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.68E-08	1.99E-08	1.30E-04	4.10E-08	1.74E-08
1902	495311.06, 3859251.99	1.21E-04	3.81E-08	1.62E-08	1.48E-04	4.67E-08	1.98E-08	1.30E-04	4.09E-08	1.74E-08
1903	495361.06, 3859251.99	1.20E-04	3.80E-08	1.61E-08	1.47E-04	4.65E-08	1.97E-08	1.29E-04	4.08E-08	1.73E-08
1904	495411.06, 3859251.99	1.20E-04	3.80E-08	1.61E-08	1.48E-04	4.66E-08	1.98E-08	1.29E-04	4.08E-08	1.73E-08
1905	495461.06, 3859251.99	1.20E-04	3.78E-08	1.60E-08	1.47E-04	4.63E-08	1.97E-08	1.29E-04	4.06E-08	1.72E-08
1906	495511.06, 3859251.99	1.18E-04	3.74E-08	1.59E-08	1.45E-04	4.58E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
1907	495561.06, 3859251.99	1.18E-04	3.71E-08	1.58E-08	1.44E-04	4.55E-08	1.93E-08	1.26E-04	3.99E-08	1.69E-08
1908	495611.06, 3859251.99	1.16E-04	3.68E-08	1.56E-08	1.43E-04	4.50E-08	1.91E-08	1.25E-04	3.95E-08	1.67E-08
1909	495661.06, 3859251.99	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.47E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
1910	494311.06, 3859301.99	1.48E-04	4.67E-08	1.98E-08	1.81E-04	5.72E-08	2.43E-08	1.59E-04	5.01E-08	2.13E-08
1911	494361.06, 3859301.99	1.47E-04	4.63E-08	1.96E-08	1.80E-04	5.67E-08	2.41E-08	1.57E-04	4.97E-08	2.11E-08
1912	494411.06, 3859301.99	1.45E-04	4.58E-08	1.94E-08	1.78E-04	5.60E-08	2.38E-08	1.56E-04	4.91E-08	2.08E-08
1913	494461.06, 3859301.99	1.43E-04	4.52E-08	1.92E-08	1.75E-04	5.54E-08	2.35E-08	1.54E-04	4.85E-08	2.06E-08
1914	494511.06, 3859301.99	1.42E-04	4.47E-08	1.90E-08	1.74E-04	5.48E-08	2.32E-08	1.52E-04	4.80E-08	2.04E-08
1915	494561.06, 3859301.99	1.40E-04	4.43E-08	1.88E-08	1.72E-04	5.43E-08	2.30E-08	1.51E-04	4.76E-08	2.02E-08
1916	494611.06, 3859301.99	1.39E-04	4.39E-08	1.86E-08	1.70E-04	5.37E-08	2.28E-08	1.49E-04	4.71E-08	2.00E-08

1917	494661.06, 3859301.99	1.38E-04	4.34E-08	1.84E-08	1.69E-04	5.32E-08	2.26E-08	1.48E-04	4.66E-08	1.98E-08
1918	494711.06, 3859301.99	1.36E-04	4.29E-08	1.82E-08	1.66E-04	5.25E-08	2.23E-08	1.46E-04	4.60E-08	1.95E-08
1919	494761.06, 3859301.99	1.34E-04	4.24E-08	1.80E-08	1.65E-04	5.20E-08	2.20E-08	1.44E-04	4.55E-08	1.93E-08
1920	494811.06, 3859301.99	1.32E-04	4.17E-08	1.77E-08	1.62E-04	5.11E-08	2.17E-08	1.42E-04	4.48E-08	1.90E-08
1921	494861.06, 3859301.99	1.29E-04	4.07E-08	1.73E-08	1.58E-04	4.99E-08	2.12E-08	1.39E-04	4.37E-08	1.85E-08
1922	494911.06, 3859301.99	1.27E-04	4.02E-08	1.71E-08	1.56E-04	4.93E-08	2.09E-08	1.37E-04	4.32E-08	1.83E-08
1923	494961.06, 3859301.99	1.24E-04	3.92E-08	1.66E-08	1.52E-04	4.80E-08	2.04E-08	1.33E-04	4.21E-08	1.79E-08
1924	495011.06, 3859301.99	1.23E-04	3.88E-08	1.65E-08	1.51E-04	4.76E-08	2.02E-08	1.32E-04	4.17E-08	1.77E-08
1925	495061.06, 3859301.99	1.24E-04	3.93E-08	1.67E-08	1.52E-04	4.81E-08	2.04E-08	1.33E-04	4.21E-08	1.79E-08
1926	495111.06, 3859301.99	1.23E-04	3.87E-08	1.64E-08	1.50E-04	4.74E-08	2.01E-08	1.32E-04	4.15E-08	1.76E-08
1927	495161.06, 3859301.99	1.22E-04	3.86E-08	1.64E-08	1.50E-04	4.72E-08	2.00E-08	1.31E-04	4.14E-08	1.76E-08
1928	495211.06, 3859301.99	1.22E-04	3.87E-08	1.64E-08	1.50E-04	4.73E-08	2.01E-08	1.31E-04	4.15E-08	1.76E-08
1929	495261.06, 3859301.99	1.22E-04	3.86E-08	1.64E-08	1.50E-04	4.73E-08	2.01E-08	1.31E-04	4.14E-08	1.76E-08
1930	495311.06, 3859301.99	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.68E-08	1.99E-08	1.30E-04	4.10E-08	1.74E-08
1931	495361.06, 3859301.99	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.68E-08	1.99E-08	1.30E-04	4.10E-08	1.74E-08
1932	495411.06, 3859301.99	1.21E-04	3.81E-08	1.62E-08	1.48E-04	4.66E-08	1.98E-08	1.29E-04	4.09E-08	1.73E-08
1933	495461.06, 3859301.99	1.20E-04	3.80E-08	1.61E-08	1.47E-04	4.65E-08	1.97E-08	1.29E-04	4.08E-08	1.73E-08
1934	495511.06, 3859301.99	1.19E-04	3.77E-08	1.60E-08	1.46E-04	4.61E-08	1.96E-08	1.28E-04	4.04E-08	1.71E-08
1935	495561.06, 3859301.99	1.18E-04	3.71E-08	1.57E-08	1.44E-04	4.55E-08	1.93E-08	1.26E-04	3.98E-08	1.69E-08
1936	495611.06, 3859301.99	1.17E-04	3.69E-08	1.56E-08	1.43E-04	4.52E-08	1.92E-08	1.25E-04	3.96E-08	1.68E-08
1937	495661.06, 3859301.99	1.16E-04	3.66E-08	1.55E-08	1.42E-04	4.49E-08	1.90E-08	1.25E-04	3.93E-08	1.67E-08
1938	494311.06, 3859351.99	1.47E-04	4.63E-08	1.97E-08	1.80E-04	5.67E-08	2.41E-08	1.58E-04	4.97E-08	2.11E-08
1939	494361.06, 3859351.99	1.45E-04	4.59E-08	1.95E-08	1.78E-04	5.62E-08	2.39E-08	1.56E-04	4.93E-08	2.09E-08
1940	494411.06, 3859351.99	1.44E-04	4.54E-08	1.92E-08	1.76E-04	5.56E-08	2.36E-08	1.54E-04	4.87E-08	2.07E-08
1941	494461.06, 3859351.99	1.42E-04	4.49E-08	1.90E-08	1.74E-04	5.50E-08	2.33E-08	1.53E-04	4.82E-08	2.04E-08
1942	494511.06, 3859351.99	1.41E-04	4.44E-08	1.88E-08	1.72E-04	5.44E-08	2.31E-08	1.51E-04	4.77E-08	2.02E-08
1943	494561.06, 3859351.99	1.40E-04	4.41E-08	1.87E-08	1.71E-04	5.40E-08	2.29E-08	1.50E-04	4.73E-08	2.01E-08
1944	494611.06, 3859351.99	1.38E-04	4.37E-08	1.85E-08	1.69E-04	5.35E-08	2.27E-08	1.49E-04	4.69E-08	1.99E-08
1945	494661.06, 3859351.99	1.37E-04	4.33E-08	1.84E-08	1.68E-04	5.30E-08	2.25E-08	1.47E-04	4.64E-08	1.97E-08
1946	494711.06, 3859351.99	1.35E-04	4.27E-08	1.81E-08	1.66E-04	5.23E-08	2.22E-08	1.45E-04	4.58E-08	1.94E-08
1947	494761.06, 3859351.99	1.33E-04	4.20E-08	1.78E-08	1.63E-04	5.15E-08	2.18E-08	1.43E-04	4.51E-08	1.91E-08
1948	494811.06, 3859351.99	1.30E-04	4.10E-08	1.74E-08	1.59E-04	5.03E-08	2.13E-08	1.40E-04	4.40E-08	1.87E-08
1949	494861.06, 3859351.99	1.29E-04	4.06E-08	1.72E-08	1.58E-04	4.98E-08	2.11E-08	1.38E-04	4.36E-08	1.85E-08
1950	494911.06, 3859351.99	1.28E-04	4.04E-08	1.71E-08	1.57E-04	4.94E-08	2.10E-08	1.37E-04	4.33E-08	1.84E-08
1951	494961.06, 3859351.99	1.26E-04	3.99E-08	1.69E-08	1.55E-04	4.89E-08	2.07E-08	1.36E-04	4.28E-08	1.82E-08
1952	495011.06, 3859351.99	1.25E-04	3.95E-08	1.68E-08	1.53E-04	4.84E-08	2.06E-08	1.34E-04	4.24E-08	1.80E-08
1953	495061.06, 3859351.99	1.26E-04	3.97E-08	1.68E-08	1.54E-04	4.86E-08	2.06E-08	1.35E-04	4.26E-08	1.81E-08
1954	495111.06, 3859351.99	1.25E-04	3.93E-08	1.67E-08	1.53E-04	4.82E-08	2.04E-08	1.34E-04	4.22E-08	1.79E-08
1955	495161.06, 3859351.99	1.24E-04	3.91E-08	1.66E-08	1.52E-04	4.79E-08	2.03E-08	1.33E-04	4.20E-08	1.78E-08
1956	495211.06, 3859351.99	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.77E-08	2.02E-08	1.32E-04	4.18E-08	1.77E-08
1957	495261.06, 3859351.99	1.23E-04	3.88E-08	1.65E-08	1.51E-04	4.76E-08	2.02E-08	1.32E-04	4.17E-08	1.77E-08
1958	495311.06, 3859351.99	1.22E-04	3.85E-08	1.63E-08	1.50E-04	4.72E-08	2.00E-08	1.31E-04	4.13E-08	1.75E-08
1959	495361.06, 3859351.99	1.21E-04	3.83E-08	1.63E-08	1.49E-04	4.70E-08	1.99E-08	1.30E-04	4.11E-08	1.75E-08
1960	495411.06, 3859351.99	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.68E-08	1.99E-08	1.30E-04	4.10E-08	1.74E-08
1961	495461.06, 3859351.99	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.68E-08	1.98E-08	1.30E-04	4.10E-08	1.74E-08
1962	495511.06, 3859351.99	1.20E-04	3.78E-08	1.60E-08	1.47E-04	4.62E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
1963	495561.06, 3859351.99	1.19E-04	3.74E-08	1.59E-08	1.45E-04	4.58E-08	1.95E-08	1.27E-04	4.02E-08	1.70E-08
1964	495611.06, 3859351.99	1.18E-04	3.72E-08	1.58E-08	1.44E-04	4.56E-08	1.93E-08	1.26E-04	3.99E-08	1.69E-08
1965	495661.06, 3859351.99	1.16E-04	3.67E-08	1.56E-08	1.43E-04	4.50E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
1966	494311.06, 3859401.99	1.46E-04	4.60E-08	1.95E-08	1.78E-04	5.63E-08	2.39E-08	1.56E-04	4.94E-08	2.09E-08
1967	494361.06, 3859401.99	1.44E-04	4.55E-08	1.93E-08	1.76E-04	5.57E-08	2.36E-08	1.55E-04	4.88E-08	2.07E-08
1968	494411.06, 3859401.99	1.42E-04	4.49E-08	1.91E-08	1.74E-04	5.51E-08	2.34E-08	1.53E-04	4.82E-08	2.05E-08
1969	494461.06, 3859401.99	1.41E-04	4.45E-08	1.89E-08	1.73E-04	5.45E-08	2.31E-08	1.51E-04	4.78E-08	2.03E-08
1970	494511.06, 3859401.99	1.40E-04	4.42E-08	1.88E-08	1.72E-04	5.42E-08	2.30E-08	1.50E-04	4.75E-08	2.01E-08
1971	494561.06, 3859401.99	1.39E-04	4.39E-08	1.86E-08	1.70E-04	5.37E-08	2.28E-08	1.49E-04	4.71E-08	2.00E-08
1972	494611.06, 3859401.99	1.38E-04	4.34E-08	1.84E-08	1.69E-04	5.32E-08	2.26E-08	1.48E-04	4.66E-08	1.98E-08
1973	494661.06, 3859401.99	1.37E-04	4.31E-08	1.83E-08	1.67E-04	5.28E-08	2.24E-08	1.47E-04	4.63E-08	1.96E-08
1974	494711.06, 3859401.99	1.35E-04	4.27E-08	1.81E-08	1.66E-04	5.23E-08	2.22E-08	1.45E-04	4.58E-08	1.95E-08
1975	494761.06, 3859401.99	1.33E-04	4.20E-08	1.78E-08	1.63E-04	5.15E-08	2.18E-08	1.43E-04	4.51E-08	1.91E-08
1976	494811.06, 3859401.99	1.31E-04	4.15E-08	1.76E-08	1.61E-04	5.08E-08	2.15E-08	1.41E-04	4.45E-08	1.89E-08
1977	494861.06, 3859401.99	1.29E-04	4.07E-08	1.73E-08	1.58E-04	4.99E-08	2.12E-08	1.39E-04	4.37E-08	1.86E-08
1978	494911.06, 3859401.99	1.28E-04	4.03E-08	1.71E-08	1.56E-04	4.94E-08	2.09E-08	1.37E-04	4.33E-08	1.84E-08
1979	494961.06, 3859401.99	1.27E-04	4.00E-08	1.70E-08	1.55E-04	4.90E-08	2.08E-08	1.36E-04	4.30E-08	1.82E-08
1980	495011.06, 3859401.99	1.26E-04	3.98E-08	1.69E-08	1.55E-04	4.88E-08	2.07E-08	1.35E-04	4.28E-08	1.81E-08

1981	495061.06, 3859401.99	1.26E-04	3.97E-08	1.69E-08	1.54E-04	4.87E-08	2.06E-08	1.35E-04	4.26E-08	1.81E-08
1982	495111.06, 3859401.99	1.25E-04	3.93E-08	1.67E-08	1.53E-04	4.82E-08	2.04E-08	1.34E-04	4.22E-08	1.79E-08
1983	495161.06, 3859401.99	1.24E-04	3.92E-08	1.66E-08	1.52E-04	4.80E-08	2.04E-08	1.33E-04	4.21E-08	1.78E-08
1984	495211.06, 3859401.99	1.24E-04	3.91E-08	1.66E-08	1.52E-04	4.79E-08	2.03E-08	1.33E-04	4.20E-08	1.78E-08
1985	495261.06, 3859401.99	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.77E-08	2.02E-08	1.32E-04	4.18E-08	1.77E-08
1986	495311.06, 3859401.99	1.23E-04	3.87E-08	1.64E-08	1.50E-04	4.74E-08	2.01E-08	1.32E-04	4.15E-08	1.76E-08
1987	495361.06, 3859401.99	1.22E-04	3.87E-08	1.64E-08	1.50E-04	4.73E-08	2.01E-08	1.31E-04	4.15E-08	1.76E-08
1988	495411.06, 3859401.99	1.22E-04	3.85E-08	1.63E-08	1.49E-04	4.72E-08	2.00E-08	1.31E-04	4.13E-08	1.75E-08
1989	495461.06, 3859401.99	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.68E-08	1.99E-08	1.30E-04	4.10E-08	1.74E-08
1990	495511.06, 3859401.99	1.20E-04	3.78E-08	1.60E-08	1.47E-04	4.63E-08	1.97E-08	1.29E-04	4.06E-08	1.72E-08
1991	495561.06, 3859401.99	1.18E-04	3.74E-08	1.58E-08	1.45E-04	4.58E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
1992	495611.06, 3859401.99	1.18E-04	3.71E-08	1.57E-08	1.44E-04	4.54E-08	1.93E-08	1.26E-04	3.98E-08	1.69E-08
1993	495661.06, 3859401.99	1.17E-04	3.69E-08	1.56E-08	1.43E-04	4.52E-08	1.92E-08	1.25E-04	3.96E-08	1.68E-08
1994	494311.06, 3859451.99	1.44E-04	4.54E-08	1.93E-08	1.76E-04	5.57E-08	2.36E-08	1.55E-04	4.88E-08	2.07E-08
1995	494361.06, 3859451.99	1.43E-04	4.50E-08	1.91E-08	1.75E-04	5.51E-08	2.34E-08	1.53E-04	4.83E-08	2.05E-08
1996	494411.06, 3859451.99	1.41E-04	4.44E-08	1.88E-08	1.72E-04	5.44E-08	2.31E-08	1.51E-04	4.77E-08	2.02E-08
1997	494461.06, 3859451.99	1.40E-04	4.41E-08	1.87E-08	1.71E-04	5.41E-08	2.29E-08	1.50E-04	4.74E-08	2.01E-08
1998	494511.06, 3859451.99	1.39E-04	4.38E-08	1.86E-08	1.70E-04	5.36E-08	2.27E-08	1.49E-04	4.70E-08	1.99E-08
1999	494561.06, 3859451.99	1.38E-04	4.34E-08	1.84E-08	1.69E-04	5.32E-08	2.26E-08	1.48E-04	4.66E-08	1.98E-08
2000	494611.06, 3859451.99	1.37E-04	4.32E-08	1.83E-08	1.68E-04	5.29E-08	2.25E-08	1.47E-04	4.64E-08	1.97E-08
2001	494661.06, 3859451.99	1.36E-04	4.28E-08	1.82E-08	1.66E-04	5.24E-08	2.22E-08	1.45E-04	4.59E-08	1.95E-08
2002	494711.06, 3859451.99	1.34E-04	4.23E-08	1.80E-08	1.64E-04	5.19E-08	2.20E-08	1.44E-04	4.55E-08	1.93E-08
2003	494761.06, 3859451.99	1.33E-04	4.20E-08	1.78E-08	1.63E-04	5.14E-08	2.18E-08	1.43E-04	4.51E-08	1.91E-08
2004	494811.06, 3859451.99	1.31E-04	4.14E-08	1.76E-08	1.61E-04	5.07E-08	2.15E-08	1.41E-04	4.45E-08	1.89E-08
2005	494861.06, 3859451.99	1.30E-04	4.09E-08	1.74E-08	1.59E-04	5.01E-08	2.13E-08	1.39E-04	4.39E-08	1.86E-08
2006	494911.06, 3859451.99	1.29E-04	4.06E-08	1.72E-08	1.57E-04	4.97E-08	2.11E-08	1.38E-04	4.35E-08	1.85E-08
2007	494961.06, 3859451.99	1.28E-04	4.03E-08	1.71E-08	1.57E-04	4.94E-08	2.10E-08	1.37E-04	4.33E-08	1.84E-08
2008	495011.06, 3859451.99	1.27E-04	4.00E-08	1.70E-08	1.55E-04	4.90E-08	2.08E-08	1.36E-04	4.30E-08	1.82E-08
2009	495061.06, 3859451.99	1.26E-04	3.98E-08	1.69E-08	1.54E-04	4.87E-08	2.07E-08	1.35E-04	4.27E-08	1.81E-08
2010	495111.06, 3859451.99	1.25E-04	3.95E-08	1.67E-08	1.53E-04	4.83E-08	2.05E-08	1.34E-04	4.24E-08	1.80E-08
2011	495161.06, 3859451.99	1.25E-04	3.93E-08	1.67E-08	1.53E-04	4.82E-08	2.04E-08	1.34E-04	4.22E-08	1.79E-08
2012	495211.06, 3859451.99	1.24E-04	3.92E-08	1.66E-08	1.52E-04	4.80E-08	2.04E-08	1.33E-04	4.21E-08	1.79E-08
2013	495261.06, 3859451.99	1.24E-04	3.91E-08	1.66E-08	1.52E-04	4.79E-08	2.03E-08	1.33E-04	4.20E-08	1.78E-08
2014	495311.06, 3859451.99	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.76E-08	2.02E-08	1.32E-04	4.17E-08	1.77E-08
2015	495361.06, 3859451.99	1.23E-04	3.87E-08	1.64E-08	1.50E-04	4.74E-08	2.01E-08	1.32E-04	4.15E-08	1.76E-08
2016	495411.06, 3859451.99	1.22E-04	3.84E-08	1.63E-08	1.49E-04	4.71E-08	2.00E-08	1.31E-04	4.13E-08	1.75E-08
2017	495461.06, 3859451.99	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.68E-08	1.99E-08	1.30E-04	4.11E-08	1.74E-08
2018	495511.06, 3859451.99	1.20E-04	3.78E-08	1.60E-08	1.47E-04	4.63E-08	1.96E-08	1.29E-04	4.06E-08	1.72E-08
2019	495561.06, 3859451.99	1.19E-04	3.75E-08	1.59E-08	1.46E-04	4.60E-08	1.95E-08	1.28E-04	4.03E-08	1.71E-08
2020	495611.06, 3859451.99	1.18E-04	3.72E-08	1.58E-08	1.45E-04	4.56E-08	1.94E-08	1.27E-04	4.00E-08	1.70E-08
2021	495661.06, 3859451.99	1.17E-04	3.70E-08	1.57E-08	1.44E-04	4.53E-08	1.92E-08	1.26E-04	3.97E-08	1.68E-08
2022	494311.06, 3859501.99	1.42E-04	4.50E-08	1.91E-08	1.74E-04	5.51E-08	2.34E-08	1.53E-04	4.83E-08	2.05E-08
2023	494361.06, 3859501.99	1.41E-04	4.45E-08	1.89E-08	1.73E-04	5.46E-08	2.31E-08	1.51E-04	4.78E-08	2.03E-08
2024	494411.06, 3859501.99	1.39E-04	4.39E-08	1.86E-08	1.70E-04	5.37E-08	2.28E-08	1.49E-04	4.71E-08	2.00E-08
2025	494461.06, 3859501.99	1.39E-04	4.38E-08	1.86E-08	1.70E-04	5.36E-08	2.28E-08	1.49E-04	4.70E-08	1.99E-08
2026	494511.06, 3859501.99	1.37E-04	4.34E-08	1.84E-08	1.68E-04	5.31E-08	2.25E-08	1.47E-04	4.66E-08	1.98E-08
2027	494561.06, 3859501.99	1.36E-04	4.30E-08	1.82E-08	1.67E-04	5.27E-08	2.23E-08	1.46E-04	4.62E-08	1.96E-08
2028	494611.06, 3859501.99	1.36E-04	4.30E-08	1.82E-08	1.67E-04	5.26E-08	2.23E-08	1.46E-04	4.61E-08	1.96E-08
2029	494661.06, 3859501.99	1.35E-04	4.25E-08	1.80E-08	1.65E-04	5.21E-08	2.21E-08	1.45E-04	4.56E-08	1.94E-08
2030	494711.06, 3859501.99	1.33E-04	4.20E-08	1.78E-08	1.63E-04	5.14E-08	2.18E-08	1.43E-04	4.50E-08	1.91E-08
2031	494761.06, 3859501.99	1.32E-04	4.18E-08	1.77E-08	1.62E-04	5.12E-08	2.17E-08	1.42E-04	4.49E-08	1.90E-08
2032	494811.06, 3859501.99	1.30E-04	4.11E-08	1.74E-08	1.60E-04	5.04E-08	2.14E-08	1.40E-04	4.41E-08	1.87E-08
2033	494861.06, 3859501.99	1.29E-04	4.08E-08	1.73E-08	1.58E-04	5.00E-08	2.12E-08	1.39E-04	4.38E-08	1.86E-08
2034	494911.06, 3859501.99	1.29E-04	4.06E-08	1.72E-08	1.58E-04	4.97E-08	2.11E-08	1.38E-04	4.36E-08	1.85E-08
2035	494961.06, 3859501.99	1.27E-04	4.02E-08	1.71E-08	1.56E-04	4.92E-08	2.09E-08	1.37E-04	4.31E-08	1.83E-08
2036	495011.06, 3859501.99	1.27E-04	4.00E-08	1.70E-08	1.55E-04	4.90E-08	2.08E-08	1.36E-04	4.29E-08	1.82E-08
2037	495061.06, 3859501.99	1.26E-04	3.98E-08	1.69E-08	1.55E-04	4.88E-08	2.07E-08	1.35E-04	4.27E-08	1.81E-08
2038	495111.06, 3859501.99	1.25E-04	3.94E-08	1.67E-08	1.53E-04	4.83E-08	2.05E-08	1.34E-04	4.23E-08	1.80E-08
2039	495161.06, 3859501.99	1.24E-04	3.93E-08	1.67E-08	1.52E-04	4.81E-08	2.04E-08	1.34E-04	4.22E-08	1.79E-08
2040	495211.06, 3859501.99	1.24E-04	3.92E-08	1.66E-08	1.52E-04	4.80E-08	2.04E-08	1.33E-04	4.21E-08	1.78E-08
2041	495261.06, 3859501.99	1.24E-04	3.90E-08	1.66E-08	1.51E-04	4.78E-08	2.03E-08	1.33E-04	4.19E-08	1.78E-08
2042	495311.06, 3859501.99	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.76E-08	2.02E-08	1.32E-04	4.17E-08	1.77E-08
2043	495361.06, 3859501.99	1.22E-04	3.87E-08	1.64E-08	1.50E-04	4.74E-08	2.01E-08	1.31E-04	4.15E-08	1.76E-08
2044	495411.06, 3859501.99	1.22E-04	3.85E-08	1.63E-08	1.49E-04	4.71E-08	2.00E-08	1.31E-04	4.13E-08	1.75E-08

2045	495461.06, 3859501.99	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.68E-08	1.99E-08	1.30E-04	4.10E-08	1.74E-08
2046	495511.06, 3859501.99	1.20E-04	3.77E-08	1.60E-08	1.46E-04	4.62E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
2047	495561.06, 3859501.99	1.19E-04	3.76E-08	1.60E-08	1.46E-04	4.61E-08	1.95E-08	1.28E-04	4.04E-08	1.71E-08
2048	495611.06, 3859501.99	1.18E-04	3.73E-08	1.58E-08	1.45E-04	4.57E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
2049	495661.06, 3859501.99	1.17E-04	3.70E-08	1.57E-08	1.44E-04	4.53E-08	1.92E-08	1.26E-04	3.97E-08	1.69E-08
2050	494311.06, 3859551.99	1.41E-04	4.44E-08	1.88E-08	1.72E-04	5.44E-08	2.31E-08	1.51E-04	4.77E-08	2.02E-08
2051	494361.06, 3859551.99	1.39E-04	4.40E-08	1.87E-08	1.71E-04	5.39E-08	2.29E-08	1.50E-04	4.72E-08	2.00E-08
2052	494411.06, 3859551.99	1.37E-04	4.33E-08	1.84E-08	1.68E-04	5.31E-08	2.25E-08	1.47E-04	4.65E-08	1.97E-08
2053	494461.06, 3859551.99	1.37E-04	4.33E-08	1.84E-08	1.68E-04	5.31E-08	2.25E-08	1.47E-04	4.65E-08	1.97E-08
2054	494511.06, 3859551.99	1.36E-04	4.29E-08	1.82E-08	1.67E-04	5.26E-08	2.23E-08	1.46E-04	4.61E-08	1.96E-08
2055	494561.06, 3859551.99	1.35E-04	4.26E-08	1.81E-08	1.65E-04	5.22E-08	2.22E-08	1.45E-04	4.58E-08	1.94E-08
2056	494611.06, 3859551.99	1.34E-04	4.24E-08	1.80E-08	1.65E-04	5.20E-08	2.21E-08	1.44E-04	4.56E-08	1.93E-08
2057	494661.06, 3859551.99	1.34E-04	4.22E-08	1.79E-08	1.64E-04	5.16E-08	2.19E-08	1.43E-04	4.53E-08	1.92E-08
2058	494711.06, 3859551.99	1.31E-04	4.14E-08	1.76E-08	1.61E-04	5.07E-08	2.15E-08	1.41E-04	4.45E-08	1.89E-08
2059	494761.06, 3859551.99	1.31E-04	4.15E-08	1.76E-08	1.61E-04	5.08E-08	2.16E-08	1.41E-04	4.45E-08	1.89E-08
2060	494811.06, 3859551.99	1.30E-04	4.09E-08	1.74E-08	1.59E-04	5.01E-08	2.13E-08	1.39E-04	4.39E-08	1.86E-08
2061	494861.06, 3859551.99	1.29E-04	4.07E-08	1.73E-08	1.58E-04	4.98E-08	2.11E-08	1.38E-04	4.36E-08	1.85E-08
2062	494911.06, 3859551.99	1.28E-04	4.03E-08	1.71E-08	1.56E-04	4.94E-08	2.10E-08	1.37E-04	4.33E-08	1.84E-08
2063	494961.06, 3859551.99	1.27E-04	4.01E-08	1.70E-08	1.56E-04	4.92E-08	2.09E-08	1.36E-04	4.31E-08	1.83E-08
2064	495011.06, 3859551.99	1.27E-04	4.00E-08	1.70E-08	1.55E-04	4.90E-08	2.08E-08	1.36E-04	4.29E-08	1.82E-08
2065	495061.06, 3859551.99	1.26E-04	3.97E-08	1.69E-08	1.54E-04	4.87E-08	2.06E-08	1.35E-04	4.26E-08	1.81E-08
2066	495111.06, 3859551.99	1.25E-04	3.94E-08	1.67E-08	1.53E-04	4.83E-08	2.05E-08	1.34E-04	4.23E-08	1.79E-08
2067	495161.06, 3859551.99	1.24E-04	3.93E-08	1.67E-08	1.52E-04	4.81E-08	2.04E-08	1.34E-04	4.21E-08	1.79E-08
2068	495211.06, 3859551.99	1.24E-04	3.92E-08	1.66E-08	1.52E-04	4.80E-08	2.04E-08	1.33E-04	4.20E-08	1.78E-08
2069	495261.06, 3859551.99	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.77E-08	2.02E-08	1.32E-04	4.18E-08	1.77E-08
2070	495311.06, 3859551.99	1.23E-04	3.87E-08	1.64E-08	1.50E-04	4.74E-08	2.01E-08	1.32E-04	4.15E-08	1.76E-08
2071	495361.06, 3859551.99	1.22E-04	3.85E-08	1.63E-08	1.49E-04	4.72E-08	2.00E-08	1.31E-04	4.13E-08	1.75E-08
2072	495411.06, 3859551.99	1.22E-04	3.84E-08	1.63E-08	1.49E-04	4.70E-08	1.99E-08	1.31E-04	4.12E-08	1.75E-08
2073	495461.06, 3859551.99	1.21E-04	3.81E-08	1.61E-08	1.48E-04	4.66E-08	1.98E-08	1.29E-04	4.08E-08	1.73E-08
2074	495511.06, 3859551.99	1.19E-04	3.77E-08	1.60E-08	1.46E-04	4.62E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
2075	495561.06, 3859551.99	1.19E-04	3.75E-08	1.59E-08	1.45E-04	4.59E-08	1.95E-08	1.27E-04	4.02E-08	1.71E-08
2076	495611.06, 3859551.99	1.18E-04	3.73E-08	1.58E-08	1.45E-04	4.56E-08	1.94E-08	1.27E-04	4.00E-08	1.70E-08
2077	495661.06, 3859551.99	1.17E-04	3.70E-08	1.57E-08	1.43E-04	4.53E-08	1.92E-08	1.26E-04	3.97E-08	1.68E-08
2078	494311.06, 3859601.99	1.39E-04	4.39E-08	1.86E-08	1.70E-04	5.38E-08	2.28E-08	1.49E-04	4.71E-08	2.00E-08
2079	494361.06, 3859601.99	1.37E-04	4.33E-08	1.84E-08	1.68E-04	5.30E-08	2.25E-08	1.47E-04	4.65E-08	1.97E-08
2080	494411.06, 3859601.99	1.36E-04	4.29E-08	1.82E-08	1.66E-04	5.25E-08	2.23E-08	1.46E-04	4.61E-08	1.95E-08
2081	494461.06, 3859601.99	1.36E-04	4.28E-08	1.82E-08	1.66E-04	5.25E-08	2.23E-08	1.46E-04	4.60E-08	1.95E-08
2082	494511.06, 3859601.99	1.34E-04	4.24E-08	1.80E-08	1.65E-04	5.19E-08	2.20E-08	1.44E-04	4.55E-08	1.93E-08
2083	494561.06, 3859601.99	1.34E-04	4.23E-08	1.79E-08	1.64E-04	5.18E-08	2.20E-08	1.44E-04	4.54E-08	1.93E-08
2084	494611.06, 3859601.99	1.33E-04	4.21E-08	1.79E-08	1.63E-04	5.16E-08	2.19E-08	1.43E-04	4.52E-08	1.92E-08
2085	494661.06, 3859601.99	1.32E-04	4.16E-08	1.77E-08	1.61E-04	5.10E-08	2.16E-08	1.42E-04	4.47E-08	1.90E-08
2086	494711.06, 3859601.99	1.30E-04	4.11E-08	1.74E-08	1.60E-04	5.04E-08	2.14E-08	1.40E-04	4.41E-08	1.87E-08
2087	494761.06, 3859601.99	1.31E-04	4.13E-08	1.75E-08	1.60E-04	5.06E-08	2.14E-08	1.40E-04	4.43E-08	1.88E-08
2088	494811.06, 3859601.99	1.29E-04	4.08E-08	1.73E-08	1.58E-04	4.99E-08	2.12E-08	1.39E-04	4.37E-08	1.86E-08
2089	494861.06, 3859601.99	1.28E-04	4.05E-08	1.72E-08	1.57E-04	4.96E-08	2.11E-08	1.38E-04	4.35E-08	1.84E-08
2090	494911.06, 3859601.99	1.27E-04	4.01E-08	1.70E-08	1.56E-04	4.91E-08	2.08E-08	1.36E-04	4.30E-08	1.83E-08
2091	494961.06, 3859601.99	1.27E-04	4.01E-08	1.70E-08	1.56E-04	4.91E-08	2.08E-08	1.36E-04	4.30E-08	1.83E-08
2092	495011.06, 3859601.99	1.26E-04	3.97E-08	1.68E-08	1.54E-04	4.86E-08	2.06E-08	1.35E-04	4.26E-08	1.81E-08
2093	495061.06, 3859601.99	1.25E-04	3.96E-08	1.68E-08	1.54E-04	4.85E-08	2.06E-08	1.35E-04	4.25E-08	1.80E-08
2094	495111.06, 3859601.99	1.24E-04	3.92E-08	1.66E-08	1.52E-04	4.81E-08	2.04E-08	1.33E-04	4.21E-08	1.79E-08
2095	495161.06, 3859601.99	1.24E-04	3.91E-08	1.66E-08	1.52E-04	4.79E-08	2.03E-08	1.33E-04	4.20E-08	1.78E-08
2096	495211.06, 3859601.99	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.77E-08	2.02E-08	1.32E-04	4.18E-08	1.77E-08
2097	495261.06, 3859601.99	1.23E-04	3.88E-08	1.64E-08	1.50E-04	4.75E-08	2.01E-08	1.32E-04	4.16E-08	1.77E-08
2098	495311.06, 3859601.99	1.22E-04	3.86E-08	1.64E-08	1.50E-04	4.73E-08	2.01E-08	1.31E-04	4.14E-08	1.76E-08
2099	495361.06, 3859601.99	1.22E-04	3.84E-08	1.63E-08	1.49E-04	4.70E-08	2.00E-08	1.31E-04	4.12E-08	1.75E-08
2100	495411.06, 3859601.99	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.68E-08	1.99E-08	1.30E-04	4.11E-08	1.74E-08
2101	495461.06, 3859601.99	1.20E-04	3.79E-08	1.61E-08	1.47E-04	4.64E-08	1.97E-08	1.29E-04	4.06E-08	1.72E-08
2102	495511.06, 3859601.99	1.19E-04	3.75E-08	1.59E-08	1.46E-04	4.60E-08	1.95E-08	1.28E-04	4.03E-08	1.71E-08
2103	495561.06, 3859601.99	1.19E-04	3.74E-08	1.59E-08	1.45E-04	4.58E-08	1.95E-08	1.27E-04	4.02E-08	1.70E-08
2104	495611.06, 3859601.99	1.17E-04	3.70E-08	1.57E-08	1.44E-04	4.53E-08	1.92E-08	1.26E-04	3.97E-08	1.69E-08
2105	495661.06, 3859601.99	1.17E-04	3.69E-08	1.56E-08	1.43E-04	4.52E-08	1.92E-08	1.25E-04	3.96E-08	1.68E-08
2106	494311.06, 3859651.99	1.37E-04	4.32E-08	1.83E-08	1.68E-04	5.30E-08	2.25E-08	1.47E-04	4.64E-08	1.97E-08
2107	494361.06, 3859651.99	1.35E-04	4.27E-08	1.81E-08	1.66E-04	5.23E-08	2.22E-08	1.45E-04	4.59E-08	1.95E-08
2108	494411.06, 3859651.99	1.35E-04	4.25E-08	1.80E-08	1.65E-04	5.20E-08	2.21E-08	1.44E-04	4.56E-08	1.93E-08

2109	494461.06, 3859651.99	1.34E-04	4.24E-08	1.80E-08	1.64E-04	5.19E-08	2.20E-08	1.44E-04	4.55E-08	1.93E-08
2110	494511.06, 3859651.99	1.33E-04	4.21E-08	1.79E-08	1.63E-04	5.16E-08	2.19E-08	1.43E-04	4.52E-08	1.92E-08
2111	494561.06, 3859651.99	1.33E-04	4.19E-08	1.78E-08	1.63E-04	5.13E-08	2.18E-08	1.42E-04	4.50E-08	1.91E-08
2112	494611.06, 3859651.99	1.32E-04	4.17E-08	1.77E-08	1.62E-04	5.10E-08	2.17E-08	1.42E-04	4.47E-08	1.90E-08
2113	494661.06, 3859651.99	1.30E-04	4.12E-08	1.75E-08	1.60E-04	5.04E-08	2.14E-08	1.40E-04	4.42E-08	1.87E-08
2114	494711.06, 3859651.99	1.30E-04	4.10E-08	1.74E-08	1.59E-04	5.02E-08	2.13E-08	1.39E-04	4.40E-08	1.87E-08
2115	494761.06, 3859651.99	1.29E-04	4.08E-08	1.73E-08	1.58E-04	5.00E-08	2.12E-08	1.39E-04	4.38E-08	1.86E-08
2116	494811.06, 3859651.99	1.28E-04	4.05E-08	1.72E-08	1.57E-04	4.95E-08	2.10E-08	1.38E-04	4.34E-08	1.84E-08
2117	494861.06, 3859651.99	1.28E-04	4.03E-08	1.71E-08	1.56E-04	4.93E-08	2.09E-08	1.37E-04	4.32E-08	1.83E-08
2118	494911.06, 3859651.99	1.27E-04	4.00E-08	1.70E-08	1.55E-04	4.90E-08	2.08E-08	1.36E-04	4.29E-08	1.82E-08
2119	494961.06, 3859651.99	1.26E-04	3.98E-08	1.69E-08	1.54E-04	4.87E-08	2.07E-08	1.35E-04	4.27E-08	1.81E-08
2120	495011.06, 3859651.99	1.25E-04	3.95E-08	1.68E-08	1.53E-04	4.84E-08	2.06E-08	1.34E-04	4.24E-08	1.80E-08
2121	495061.06, 3859651.99	1.25E-04	3.94E-08	1.67E-08	1.53E-04	4.82E-08	2.05E-08	1.34E-04	4.23E-08	1.79E-08
2122	495111.06, 3859651.99	1.24E-04	3.91E-08	1.66E-08	1.52E-04	4.79E-08	2.03E-08	1.33E-04	4.20E-08	1.78E-08
2123	495161.06, 3859651.99	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.77E-08	2.02E-08	1.32E-04	4.18E-08	1.77E-08
2124	495211.06, 3859651.99	1.23E-04	3.88E-08	1.64E-08	1.50E-04	4.75E-08	2.01E-08	1.32E-04	4.16E-08	1.77E-08
2125	495261.06, 3859651.99	1.22E-04	3.85E-08	1.64E-08	1.50E-04	4.72E-08	2.00E-08	1.31E-04	4.14E-08	1.76E-08
2126	495311.06, 3859651.99	1.22E-04	3.84E-08	1.63E-08	1.49E-04	4.70E-08	1.99E-08	1.30E-04	4.12E-08	1.75E-08
2127	495361.06, 3859651.99	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.68E-08	1.99E-08	1.30E-04	4.10E-08	1.74E-08
2128	495411.06, 3859651.99	1.20E-04	3.80E-08	1.61E-08	1.47E-04	4.65E-08	1.97E-08	1.29E-04	4.08E-08	1.73E-08
2129	495461.06, 3859651.99	1.19E-04	3.77E-08	1.60E-08	1.46E-04	4.61E-08	1.96E-08	1.28E-04	4.04E-08	1.72E-08
2130	495511.06, 3859651.99	1.18E-04	3.74E-08	1.58E-08	1.45E-04	4.58E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
2131	495561.06, 3859651.99	1.18E-04	3.72E-08	1.58E-08	1.44E-04	4.56E-08	1.93E-08	1.27E-04	3.99E-08	1.69E-08
2132	495611.06, 3859651.99	1.17E-04	3.70E-08	1.57E-08	1.43E-04	4.53E-08	1.92E-08	1.26E-04	3.97E-08	1.68E-08
2133	495661.06, 3859651.99	1.16E-04	3.67E-08	1.56E-08	1.42E-04	4.50E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
2134	494311.06, 3859701.99	1.34E-04	4.24E-08	1.80E-08	1.64E-04	5.19E-08	2.20E-08	1.44E-04	4.55E-08	1.93E-08
2135	494361.06, 3859701.99	1.33E-04	4.21E-08	1.79E-08	1.63E-04	5.15E-08	2.19E-08	1.43E-04	4.52E-08	1.92E-08
2136	494411.06, 3859701.99	1.33E-04	4.19E-08	1.78E-08	1.63E-04	5.13E-08	2.18E-08	1.43E-04	4.50E-08	1.91E-08
2137	494461.06, 3859701.99	1.33E-04	4.19E-08	1.78E-08	1.62E-04	5.13E-08	2.18E-08	1.42E-04	4.49E-08	1.91E-08
2138	494511.06, 3859701.99	1.32E-04	4.16E-08	1.77E-08	1.62E-04	5.10E-08	2.16E-08	1.42E-04	4.47E-08	1.90E-08
2139	494561.06, 3859701.99	1.31E-04	4.14E-08	1.76E-08	1.61E-04	5.08E-08	2.15E-08	1.41E-04	4.45E-08	1.89E-08
2140	494611.06, 3859701.99	1.31E-04	4.12E-08	1.75E-08	1.60E-04	5.05E-08	2.14E-08	1.40E-04	4.43E-08	1.88E-08
2141	494661.06, 3859701.99	1.29E-04	4.07E-08	1.73E-08	1.58E-04	4.99E-08	2.12E-08	1.39E-04	4.37E-08	1.86E-08
2142	494711.06, 3859701.99	1.29E-04	4.06E-08	1.72E-08	1.58E-04	4.97E-08	2.11E-08	1.38E-04	4.36E-08	1.85E-08
2143	494761.06, 3859701.99	1.28E-04	4.03E-08	1.71E-08	1.57E-04	4.94E-08	2.10E-08	1.37E-04	4.33E-08	1.84E-08
2144	494811.06, 3859701.99	1.27E-04	4.00E-08	1.70E-08	1.55E-04	4.90E-08	2.08E-08	1.36E-04	4.30E-08	1.82E-08
2145	494861.06, 3859701.99	1.27E-04	3.99E-08	1.69E-08	1.55E-04	4.89E-08	2.08E-08	1.36E-04	4.29E-08	1.82E-08
2146	494911.06, 3859701.99	1.26E-04	3.97E-08	1.68E-08	1.54E-04	4.86E-08	2.06E-08	1.35E-04	4.26E-08	1.81E-08
2147	494961.06, 3859701.99	1.25E-04	3.95E-08	1.67E-08	1.53E-04	4.83E-08	2.05E-08	1.34E-04	4.24E-08	1.80E-08
2148	495011.06, 3859701.99	1.24E-04	3.93E-08	1.67E-08	1.52E-04	4.81E-08	2.04E-08	1.34E-04	4.22E-08	1.79E-08
2149	495061.06, 3859701.99	1.24E-04	3.91E-08	1.66E-08	1.52E-04	4.79E-08	2.03E-08	1.33E-04	4.20E-08	1.78E-08
2150	495111.06, 3859701.99	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.76E-08	2.02E-08	1.32E-04	4.17E-08	1.77E-08
2151	495161.06, 3859701.99	1.22E-04	3.86E-08	1.64E-08	1.50E-04	4.73E-08	2.01E-08	1.31E-04	4.15E-08	1.76E-08
2152	495211.06, 3859701.99	1.22E-04	3.84E-08	1.63E-08	1.49E-04	4.70E-08	2.00E-08	1.31E-04	4.12E-08	1.75E-08
2153	495261.06, 3859701.99	1.21E-04	3.83E-08	1.63E-08	1.49E-04	4.69E-08	1.99E-08	1.30E-04	4.11E-08	1.74E-08
2154	495311.06, 3859701.99	1.21E-04	3.81E-08	1.62E-08	1.48E-04	4.66E-08	1.98E-08	1.30E-04	4.09E-08	1.73E-08
2155	495361.06, 3859701.99	1.20E-04	3.79E-08	1.61E-08	1.47E-04	4.64E-08	1.97E-08	1.29E-04	4.07E-08	1.72E-08
2156	495411.06, 3859701.99	1.19E-04	3.76E-08	1.60E-08	1.46E-04	4.61E-08	1.95E-08	1.28E-04	4.04E-08	1.71E-08
2157	495461.06, 3859701.99	1.18E-04	3.74E-08	1.59E-08	1.45E-04	4.58E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
2158	495511.06, 3859701.99	1.17E-04	3.70E-08	1.57E-08	1.44E-04	4.53E-08	1.92E-08	1.26E-04	3.97E-08	1.69E-08
2159	495561.06, 3859701.99	1.17E-04	3.70E-08	1.57E-08	1.43E-04	4.53E-08	1.92E-08	1.26E-04	3.97E-08	1.68E-08
2160	495611.06, 3859701.99	1.16E-04	3.68E-08	1.56E-08	1.43E-04	4.50E-08	1.91E-08	1.25E-04	3.95E-08	1.67E-08
2161	495661.06, 3859701.99	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.47E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
2162	494311.06, 3859751.99	1.33E-04	4.19E-08	1.78E-08	1.62E-04	5.13E-08	2.17E-08	1.42E-04	4.49E-08	1.91E-08
2163	494361.06, 3859751.99	1.32E-04	4.16E-08	1.77E-08	1.62E-04	5.10E-08	2.16E-08	1.42E-04	4.47E-08	1.90E-08
2164	494411.06, 3859751.99	1.31E-04	4.14E-08	1.76E-08	1.61E-04	5.07E-08	2.15E-08	1.41E-04	4.44E-08	1.88E-08
2165	494461.06, 3859751.99	1.31E-04	4.13E-08	1.75E-08	1.60E-04	5.06E-08	2.15E-08	1.40E-04	4.43E-08	1.88E-08
2166	494511.06, 3859751.99	1.30E-04	4.11E-08	1.75E-08	1.60E-04	5.04E-08	2.14E-08	1.40E-04	4.42E-08	1.87E-08
2167	494561.06, 3859751.99	1.30E-04	4.09E-08	1.74E-08	1.59E-04	5.01E-08	2.13E-08	1.39E-04	4.39E-08	1.86E-08
2168	494611.06, 3859751.99	1.29E-04	4.07E-08	1.73E-08	1.58E-04	4.98E-08	2.11E-08	1.38E-04	4.37E-08	1.85E-08
2169	494661.06, 3859751.99	1.28E-04	4.03E-08	1.71E-08	1.56E-04	4.94E-08	2.09E-08	1.37E-04	4.33E-08	1.84E-08
2170	494711.06, 3859751.99	1.27E-04	4.02E-08	1.71E-08	1.56E-04	4.92E-08	2.09E-08	1.37E-04	4.31E-08	1.83E-08
2171	494761.06, 3859751.99	1.27E-04	4.00E-08	1.70E-08	1.55E-04	4.90E-08	2.08E-08	1.36E-04	4.30E-08	1.82E-08
2172	494811.06, 3859751.99	1.26E-04	3.98E-08	1.69E-08	1.54E-04	4.87E-08	2.07E-08	1.35E-04	4.27E-08	1.81E-08

2173	494861.06, 3859751.99	1.25E-04	3.96E-08	1.68E-08	1.54E-04	4.85E-08	2.06E-08	1.35E-04	4.25E-08	1.80E-08
2174	494911.06, 3859751.99	1.25E-04	3.94E-08	1.67E-08	1.53E-04	4.82E-08	2.05E-08	1.34E-04	4.23E-08	1.79E-08
2175	494961.06, 3859751.99	1.24E-04	3.92E-08	1.66E-08	1.52E-04	4.80E-08	2.04E-08	1.33E-04	4.21E-08	1.78E-08
2176	495011.06, 3859751.99	1.23E-04	3.90E-08	1.65E-08	1.51E-04	4.77E-08	2.02E-08	1.33E-04	4.18E-08	1.77E-08
2177	495061.06, 3859751.99	1.23E-04	3.88E-08	1.65E-08	1.51E-04	4.75E-08	2.02E-08	1.32E-04	4.17E-08	1.77E-08
2178	495111.06, 3859751.99	1.22E-04	3.86E-08	1.64E-08	1.50E-04	4.73E-08	2.01E-08	1.31E-04	4.14E-08	1.76E-08
2179	495161.06, 3859751.99	1.22E-04	3.84E-08	1.63E-08	1.49E-04	4.70E-08	1.99E-08	1.31E-04	4.12E-08	1.75E-08
2180	495211.06, 3859751.99	1.21E-04	3.81E-08	1.62E-08	1.48E-04	4.67E-08	1.98E-08	1.30E-04	4.09E-08	1.74E-08
2181	495261.06, 3859751.99	1.20E-04	3.80E-08	1.61E-08	1.47E-04	4.65E-08	1.97E-08	1.29E-04	4.08E-08	1.73E-08
2182	495311.06, 3859751.99	1.20E-04	3.78E-08	1.60E-08	1.47E-04	4.63E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
2183	495361.06, 3859751.99	1.19E-04	3.76E-08	1.59E-08	1.46E-04	4.60E-08	1.95E-08	1.28E-04	4.03E-08	1.71E-08
2184	495411.06, 3859751.99	1.18E-04	3.74E-08	1.59E-08	1.45E-04	4.58E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
2185	495461.06, 3859751.99	1.18E-04	3.71E-08	1.57E-08	1.44E-04	4.55E-08	1.93E-08	1.26E-04	3.98E-08	1.69E-08
2186	495511.06, 3859751.99	1.17E-04	3.69E-08	1.56E-08	1.43E-04	4.51E-08	1.92E-08	1.25E-04	3.96E-08	1.68E-08
2187	495561.06, 3859751.99	1.16E-04	3.67E-08	1.56E-08	1.42E-04	4.49E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
2188	495611.06, 3859751.99	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.47E-08	1.90E-08	1.24E-04	3.91E-08	1.66E-08
2189	495661.06, 3859751.99	1.15E-04	3.63E-08	1.54E-08	1.41E-04	4.45E-08	1.89E-08	1.24E-04	3.90E-08	1.65E-08
2190	494311.06, 3859801.99	1.31E-04	4.13E-08	1.75E-08	1.60E-04	5.06E-08	2.15E-08	1.40E-04	4.43E-08	1.88E-08
2191	494361.06, 3859801.99	1.30E-04	4.11E-08	1.74E-08	1.59E-04	5.03E-08	2.13E-08	1.40E-04	4.41E-08	1.87E-08
2192	494411.06, 3859801.99	1.29E-04	4.08E-08	1.73E-08	1.58E-04	5.00E-08	2.12E-08	1.39E-04	4.38E-08	1.86E-08
2193	494461.06, 3859801.99	1.29E-04	4.07E-08	1.73E-08	1.58E-04	4.98E-08	2.11E-08	1.38E-04	4.37E-08	1.85E-08
2194	494511.06, 3859801.99	1.29E-04	4.06E-08	1.72E-08	1.57E-04	4.97E-08	2.11E-08	1.38E-04	4.35E-08	1.85E-08
2195	494561.06, 3859801.99	1.28E-04	4.04E-08	1.71E-08	1.57E-04	4.95E-08	2.10E-08	1.37E-04	4.33E-08	1.84E-08
2196	494611.06, 3859801.99	1.27E-04	4.01E-08	1.70E-08	1.56E-04	4.91E-08	2.08E-08	1.36E-04	4.30E-08	1.83E-08
2197	494661.06, 3859801.99	1.26E-04	3.99E-08	1.69E-08	1.55E-04	4.88E-08	2.07E-08	1.36E-04	4.28E-08	1.82E-08
2198	494711.06, 3859801.99	1.26E-04	3.96E-08	1.68E-08	1.54E-04	4.85E-08	2.06E-08	1.35E-04	4.25E-08	1.80E-08
2199	494761.06, 3859801.99	1.25E-04	3.95E-08	1.68E-08	1.53E-04	4.84E-08	2.05E-08	1.34E-04	4.24E-08	1.80E-08
2200	494811.06, 3859801.99	1.25E-04	3.93E-08	1.67E-08	1.53E-04	4.82E-08	2.04E-08	1.34E-04	4.22E-08	1.79E-08
2201	494861.06, 3859801.99	1.24E-04	3.92E-08	1.66E-08	1.52E-04	4.80E-08	2.03E-08	1.33E-04	4.20E-08	1.78E-08
2202	494911.06, 3859801.99	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.77E-08	2.02E-08	1.32E-04	4.18E-08	1.77E-08
2203	494961.06, 3859801.99	1.23E-04	3.87E-08	1.64E-08	1.50E-04	4.74E-08	2.01E-08	1.32E-04	4.16E-08	1.76E-08
2204	495011.06, 3859801.99	1.22E-04	3.85E-08	1.64E-08	1.50E-04	4.72E-08	2.00E-08	1.31E-04	4.14E-08	1.76E-08
2205	495061.06, 3859801.99	1.22E-04	3.84E-08	1.63E-08	1.49E-04	4.70E-08	1.99E-08	1.31E-04	4.12E-08	1.75E-08
2206	495111.06, 3859801.99	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.67E-08	1.98E-08	1.30E-04	4.10E-08	1.74E-08
2207	495161.06, 3859801.99	1.20E-04	3.80E-08	1.61E-08	1.47E-04	4.65E-08	1.97E-08	1.29E-04	4.07E-08	1.73E-08
2208	495211.06, 3859801.99	1.20E-04	3.78E-08	1.60E-08	1.47E-04	4.63E-08	1.96E-08	1.29E-04	4.06E-08	1.72E-08
2209	495261.06, 3859801.99	1.19E-04	3.76E-08	1.59E-08	1.46E-04	4.60E-08	1.95E-08	1.28E-04	4.03E-08	1.71E-08
2210	495311.06, 3859801.99	1.19E-04	3.74E-08	1.59E-08	1.45E-04	4.58E-08	1.94E-08	1.27E-04	4.02E-08	1.70E-08
2211	495361.06, 3859801.99	1.18E-04	3.72E-08	1.58E-08	1.44E-04	4.56E-08	1.93E-08	1.27E-04	3.99E-08	1.69E-08
2212	495411.06, 3859801.99	1.17E-04	3.70E-08	1.57E-08	1.44E-04	4.53E-08	1.92E-08	1.26E-04	3.97E-08	1.68E-08
2213	495461.06, 3859801.99	1.17E-04	3.68E-08	1.56E-08	1.43E-04	4.51E-08	1.91E-08	1.25E-04	3.95E-08	1.68E-08
2214	495511.06, 3859801.99	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.48E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
2215	495561.06, 3859801.99	1.15E-04	3.64E-08	1.54E-08	1.41E-04	4.46E-08	1.89E-08	1.24E-04	3.90E-08	1.66E-08
2216	495611.06, 3859801.99	1.15E-04	3.63E-08	1.54E-08	1.41E-04	4.44E-08	1.88E-08	1.23E-04	3.89E-08	1.65E-08
2217	495661.06, 3859801.99	1.14E-04	3.60E-08	1.53E-08	1.40E-04	4.41E-08	1.87E-08	1.23E-04	3.87E-08	1.64E-08
2218	494311.06, 3859851.99	1.29E-04	4.07E-08	1.73E-08	1.58E-04	4.98E-08	2.11E-08	1.38E-04	4.37E-08	1.85E-08
2219	494361.06, 3859851.99	1.28E-04	4.05E-08	1.72E-08	1.57E-04	4.96E-08	2.10E-08	1.38E-04	4.34E-08	1.84E-08
2220	494411.06, 3859851.99	1.27E-04	4.02E-08	1.71E-08	1.56E-04	4.93E-08	2.09E-08	1.37E-04	4.32E-08	1.83E-08
2221	494461.06, 3859851.99	1.27E-04	4.00E-08	1.70E-08	1.55E-04	4.90E-08	2.08E-08	1.36E-04	4.30E-08	1.82E-08
2222	494511.06, 3859851.99	1.26E-04	3.99E-08	1.69E-08	1.55E-04	4.89E-08	2.07E-08	1.36E-04	4.28E-08	1.82E-08
2223	494561.06, 3859851.99	1.26E-04	3.98E-08	1.69E-08	1.54E-04	4.87E-08	2.07E-08	1.35E-04	4.27E-08	1.81E-08
2224	494611.06, 3859851.99	1.25E-04	3.95E-08	1.68E-08	1.53E-04	4.84E-08	2.05E-08	1.34E-04	4.24E-08	1.80E-08
2225	494661.06, 3859851.99	1.25E-04	3.94E-08	1.67E-08	1.53E-04	4.82E-08	2.05E-08	1.34E-04	4.23E-08	1.79E-08
2226	494711.06, 3859851.99	1.24E-04	3.91E-08	1.66E-08	1.52E-04	4.79E-08	2.03E-08	1.33E-04	4.20E-08	1.78E-08
2227	494761.06, 3859851.99	1.24E-04	3.90E-08	1.66E-08	1.51E-04	4.78E-08	2.03E-08	1.33E-04	4.19E-08	1.78E-08
2228	494811.06, 3859851.99	1.23E-04	3.88E-08	1.65E-08	1.51E-04	4.75E-08	2.02E-08	1.32E-04	4.17E-08	1.77E-08
2229	494861.06, 3859851.99	1.22E-04	3.87E-08	1.64E-08	1.50E-04	4.73E-08	2.01E-08	1.31E-04	4.15E-08	1.76E-08
2230	494911.06, 3859851.99	1.22E-04	3.85E-08	1.63E-08	1.49E-04	4.71E-08	2.00E-08	1.31E-04	4.13E-08	1.75E-08
2231	494961.06, 3859851.99	1.21E-04	3.83E-08	1.62E-08	1.49E-04	4.69E-08	1.99E-08	1.30E-04	4.11E-08	1.74E-08
2232	495011.06, 3859851.99	1.21E-04	3.81E-08	1.62E-08	1.48E-04	4.67E-08	1.98E-08	1.30E-04	4.09E-08	1.74E-08
2233	495061.06, 3859851.99	1.20E-04	3.79E-08	1.61E-08	1.47E-04	4.65E-08	1.97E-08	1.29E-04	4.07E-08	1.73E-08
2234	495111.06, 3859851.99	1.20E-04	3.77E-08	1.60E-08	1.46E-04	4.62E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
2235	495161.06, 3859851.99	1.19E-04	3.75E-08	1.59E-08	1.46E-04	4.60E-08	1.95E-08	1.28E-04	4.03E-08	1.71E-08
2236	495211.06, 3859851.99	1.18E-04	3.74E-08	1.59E-08	1.45E-04	4.58E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08

2237	495261.06, 3859851.99	1.18E-04	3.72E-08	1.58E-08	1.44E-04	4.55E-08	1.93E-08	1.26E-04	3.99E-08	1.69E-08
2238	495311.06, 3859851.99	1.17E-04	3.70E-08	1.57E-08	1.44E-04	4.53E-08	1.92E-08	1.26E-04	3.97E-08	1.69E-08
2239	495361.06, 3859851.99	1.17E-04	3.68E-08	1.56E-08	1.43E-04	4.51E-08	1.91E-08	1.25E-04	3.95E-08	1.68E-08
2240	495411.06, 3859851.99	1.16E-04	3.66E-08	1.55E-08	1.42E-04	4.49E-08	1.90E-08	1.25E-04	3.93E-08	1.67E-08
2241	495461.06, 3859851.99	1.15E-04	3.64E-08	1.55E-08	1.41E-04	4.46E-08	1.89E-08	1.24E-04	3.91E-08	1.66E-08
2242	495511.06, 3859851.99	1.15E-04	3.62E-08	1.54E-08	1.41E-04	4.44E-08	1.88E-08	1.23E-04	3.89E-08	1.65E-08
2243	495561.06, 3859851.99	1.14E-04	3.61E-08	1.53E-08	1.40E-04	4.42E-08	1.87E-08	1.23E-04	3.87E-08	1.64E-08
2244	495611.06, 3859851.99	1.14E-04	3.59E-08	1.52E-08	1.39E-04	4.40E-08	1.87E-08	1.22E-04	3.86E-08	1.64E-08
2245	495661.06, 3859851.99	1.13E-04	3.57E-08	1.52E-08	1.39E-04	4.37E-08	1.86E-08	1.21E-04	3.83E-08	1.63E-08
2246	494311.06, 3859901.99	1.27E-04	4.00E-08	1.70E-08	1.55E-04	4.90E-08	2.08E-08	1.36E-04	4.30E-08	1.82E-08
2247	494361.06, 3859901.99	1.26E-04	3.98E-08	1.69E-08	1.54E-04	4.87E-08	2.07E-08	1.35E-04	4.27E-08	1.81E-08
2248	494411.06, 3859901.99	1.26E-04	3.96E-08	1.68E-08	1.54E-04	4.85E-08	2.06E-08	1.35E-04	4.25E-08	1.80E-08
2249	494461.06, 3859901.99	1.25E-04	3.94E-08	1.67E-08	1.53E-04	4.83E-08	2.05E-08	1.34E-04	4.23E-08	1.80E-08
2250	494511.06, 3859901.99	1.24E-04	3.93E-08	1.67E-08	1.52E-04	4.81E-08	2.04E-08	1.34E-04	4.22E-08	1.79E-08
2251	494561.06, 3859901.99	1.24E-04	3.92E-08	1.66E-08	1.52E-04	4.80E-08	2.04E-08	1.33E-04	4.21E-08	1.78E-08
2252	494611.06, 3859901.99	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.77E-08	2.02E-08	1.32E-04	4.18E-08	1.77E-08
2253	494661.06, 3859901.99	1.23E-04	3.88E-08	1.65E-08	1.51E-04	4.75E-08	2.02E-08	1.32E-04	4.17E-08	1.77E-08
2254	494711.06, 3859901.99	1.22E-04	3.86E-08	1.64E-08	1.50E-04	4.72E-08	2.00E-08	1.31E-04	4.14E-08	1.76E-08
2255	494761.06, 3859901.99	1.22E-04	3.84E-08	1.63E-08	1.49E-04	4.71E-08	2.00E-08	1.31E-04	4.12E-08	1.75E-08
2256	494811.06, 3859901.99	1.21E-04	3.83E-08	1.62E-08	1.49E-04	4.69E-08	1.99E-08	1.30E-04	4.11E-08	1.74E-08
2257	494861.06, 3859901.99	1.21E-04	3.81E-08	1.62E-08	1.48E-04	4.67E-08	1.98E-08	1.30E-04	4.09E-08	1.74E-08
2258	494911.06, 3859901.99	1.20E-04	3.79E-08	1.61E-08	1.47E-04	4.65E-08	1.97E-08	1.29E-04	4.07E-08	1.73E-08
2259	494961.06, 3859901.99	1.20E-04	3.78E-08	1.60E-08	1.47E-04	4.63E-08	1.96E-08	1.29E-04	4.06E-08	1.72E-08
2260	495011.06, 3859901.99	1.19E-04	3.76E-08	1.60E-08	1.46E-04	4.61E-08	1.95E-08	1.28E-04	4.04E-08	1.71E-08
2261	495061.06, 3859901.99	1.19E-04	3.74E-08	1.59E-08	1.45E-04	4.58E-08	1.95E-08	1.27E-04	4.02E-08	1.70E-08
2262	495111.06, 3859901.99	1.18E-04	3.72E-08	1.58E-08	1.45E-04	4.56E-08	1.94E-08	1.27E-04	4.00E-08	1.70E-08
2263	495161.06, 3859901.99	1.17E-04	3.70E-08	1.57E-08	1.44E-04	4.54E-08	1.93E-08	1.26E-04	3.98E-08	1.69E-08
2264	495211.06, 3859901.99	1.17E-04	3.69E-08	1.57E-08	1.43E-04	4.52E-08	1.92E-08	1.25E-04	3.96E-08	1.68E-08
2265	495261.06, 3859901.99	1.16E-04	3.67E-08	1.56E-08	1.42E-04	4.49E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
2266	495311.06, 3859901.99	1.16E-04	3.66E-08	1.55E-08	1.42E-04	4.48E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
2267	495361.06, 3859901.99	1.15E-04	3.64E-08	1.54E-08	1.41E-04	4.46E-08	1.89E-08	1.24E-04	3.91E-08	1.66E-08
2268	495411.06, 3859901.99	1.15E-04	3.62E-08	1.54E-08	1.40E-04	4.43E-08	1.88E-08	1.23E-04	3.88E-08	1.65E-08
2269	495461.06, 3859901.99	1.14E-04	3.60E-08	1.53E-08	1.40E-04	4.41E-08	1.87E-08	1.22E-04	3.87E-08	1.64E-08
2270	495511.06, 3859901.99	1.14E-04	3.59E-08	1.52E-08	1.39E-04	4.39E-08	1.86E-08	1.22E-04	3.85E-08	1.63E-08
2271	495561.06, 3859901.99	1.13E-04	3.57E-08	1.52E-08	1.39E-04	4.37E-08	1.86E-08	1.21E-04	3.83E-08	1.63E-08
2272	495611.06, 3859901.99	1.13E-04	3.55E-08	1.51E-08	1.38E-04	4.35E-08	1.85E-08	1.21E-04	3.81E-08	1.62E-08
2273	495661.06, 3859901.99	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.33E-08	1.84E-08	1.20E-04	3.79E-08	1.61E-08
2274	494311.06, 3859951.99	1.25E-04	3.94E-08	1.67E-08	1.53E-04	4.82E-08	2.05E-08	1.34E-04	4.23E-08	1.79E-08
2275	494361.06, 3859951.99	1.24E-04	3.92E-08	1.66E-08	1.52E-04	4.80E-08	2.04E-08	1.33E-04	4.21E-08	1.79E-08
2276	494411.06, 3859951.99	1.24E-04	3.90E-08	1.65E-08	1.51E-04	4.78E-08	2.03E-08	1.33E-04	4.19E-08	1.78E-08
2277	494461.06, 3859951.99	1.23E-04	3.88E-08	1.65E-08	1.51E-04	4.76E-08	2.02E-08	1.32E-04	4.17E-08	1.77E-08
2278	494511.06, 3859951.99	1.23E-04	3.87E-08	1.64E-08	1.50E-04	4.74E-08	2.01E-08	1.32E-04	4.15E-08	1.76E-08
2279	494561.06, 3859951.99	1.22E-04	3.86E-08	1.64E-08	1.50E-04	4.73E-08	2.01E-08	1.31E-04	4.14E-08	1.76E-08
2280	494611.06, 3859951.99	1.22E-04	3.84E-08	1.63E-08	1.49E-04	4.70E-08	1.99E-08	1.30E-04	4.12E-08	1.75E-08
2281	494661.06, 3859951.99	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.68E-08	1.99E-08	1.30E-04	4.11E-08	1.74E-08
2282	494711.06, 3859951.99	1.20E-04	3.80E-08	1.61E-08	1.48E-04	4.66E-08	1.98E-08	1.29E-04	4.08E-08	1.73E-08
2283	494761.06, 3859951.99	1.20E-04	3.79E-08	1.61E-08	1.47E-04	4.64E-08	1.97E-08	1.29E-04	4.07E-08	1.72E-08
2284	494811.06, 3859951.99	1.20E-04	3.77E-08	1.60E-08	1.46E-04	4.62E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
2285	494861.06, 3859951.99	1.19E-04	3.76E-08	1.59E-08	1.46E-04	4.60E-08	1.95E-08	1.28E-04	4.03E-08	1.71E-08
2286	494911.06, 3859951.99	1.19E-04	3.74E-08	1.59E-08	1.45E-04	4.58E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
2287	494961.06, 3859951.99	1.18E-04	3.72E-08	1.58E-08	1.44E-04	4.56E-08	1.93E-08	1.27E-04	4.00E-08	1.70E-08
2288	495011.06, 3859951.99	1.17E-04	3.71E-08	1.57E-08	1.44E-04	4.54E-08	1.93E-08	1.26E-04	3.98E-08	1.69E-08
2289	495061.06, 3859951.99	1.17E-04	3.69E-08	1.57E-08	1.43E-04	4.52E-08	1.92E-08	1.25E-04	3.96E-08	1.68E-08
2290	495111.06, 3859951.99	1.16E-04	3.67E-08	1.56E-08	1.43E-04	4.50E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
2291	495161.06, 3859951.99	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.48E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
2292	495211.06, 3859951.99	1.15E-04	3.64E-08	1.54E-08	1.41E-04	4.45E-08	1.89E-08	1.24E-04	3.90E-08	1.66E-08
2293	495261.06, 3859951.99	1.15E-04	3.62E-08	1.54E-08	1.41E-04	4.43E-08	1.88E-08	1.23E-04	3.89E-08	1.65E-08
2294	495311.06, 3859951.99	1.14E-04	3.61E-08	1.53E-08	1.40E-04	4.42E-08	1.87E-08	1.23E-04	3.87E-08	1.64E-08
2295	495361.06, 3859951.99	1.14E-04	3.59E-08	1.52E-08	1.39E-04	4.40E-08	1.87E-08	1.22E-04	3.86E-08	1.64E-08
2296	495411.06, 3859951.99	1.13E-04	3.57E-08	1.52E-08	1.39E-04	4.38E-08	1.86E-08	1.22E-04	3.84E-08	1.63E-08
2297	495461.06, 3859951.99	1.13E-04	3.56E-08	1.51E-08	1.38E-04	4.36E-08	1.85E-08	1.21E-04	3.82E-08	1.62E-08
2298	495511.06, 3859951.99	1.12E-04	3.54E-08	1.50E-08	1.37E-04	4.34E-08	1.84E-08	1.20E-04	3.80E-08	1.61E-08
2299	495561.06, 3859951.99	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.79E-08	1.61E-08
2300	495611.06, 3859951.99	1.11E-04	3.51E-08	1.49E-08	1.36E-04	4.30E-08	1.82E-08	1.19E-04	3.77E-08	1.60E-08

2301	495661.06, 3859951.99	1.11E-04	3.49E-08	1.48E-08	1.36E-04	4.28E-08	1.82E-08	1.19E-04	3.75E-08	1.59E-08
2302	494311.06, 3860001.99	1.23E-04	3.87E-08	1.64E-08	1.50E-04	4.74E-08	2.01E-08	1.32E-04	4.16E-08	1.76E-08
2303	494361.06, 3860001.99	1.22E-04	3.86E-08	1.64E-08	1.50E-04	4.72E-08	2.00E-08	1.31E-04	4.14E-08	1.76E-08
2304	494411.06, 3860001.99	1.22E-04	3.84E-08	1.63E-08	1.49E-04	4.70E-08	1.99E-08	1.31E-04	4.12E-08	1.75E-08
2305	494461.06, 3860001.99	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.68E-08	1.99E-08	1.30E-04	4.10E-08	1.74E-08
2306	494511.06, 3860001.99	1.21E-04	3.81E-08	1.62E-08	1.48E-04	4.66E-08	1.98E-08	1.29E-04	4.09E-08	1.73E-08
2307	494561.06, 3860001.99	1.20E-04	3.80E-08	1.61E-08	1.47E-04	4.65E-08	1.97E-08	1.29E-04	4.08E-08	1.73E-08
2308	494611.06, 3860001.99	1.20E-04	3.78E-08	1.60E-08	1.47E-04	4.63E-08	1.96E-08	1.29E-04	4.06E-08	1.72E-08
2309	494661.06, 3860001.99	1.19E-04	3.76E-08	1.60E-08	1.46E-04	4.61E-08	1.96E-08	1.28E-04	4.04E-08	1.71E-08
2310	494711.06, 3860001.99	1.19E-04	3.74E-08	1.59E-08	1.45E-04	4.58E-08	1.94E-08	1.27E-04	4.02E-08	1.70E-08
2311	494761.06, 3860001.99	1.18E-04	3.73E-08	1.58E-08	1.45E-04	4.57E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
2312	494811.06, 3860001.99	1.18E-04	3.72E-08	1.58E-08	1.44E-04	4.55E-08	1.93E-08	1.26E-04	3.99E-08	1.69E-08
2313	494861.06, 3860001.99	1.17E-04	3.70E-08	1.57E-08	1.44E-04	4.53E-08	1.92E-08	1.26E-04	3.97E-08	1.69E-08
2314	494911.06, 3860001.99	1.17E-04	3.68E-08	1.56E-08	1.43E-04	4.51E-08	1.91E-08	1.25E-04	3.95E-08	1.68E-08
2315	494961.06, 3860001.99	1.16E-04	3.67E-08	1.56E-08	1.42E-04	4.49E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
2316	495011.06, 3860001.99	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.47E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
2317	495061.06, 3860001.99	1.15E-04	3.64E-08	1.54E-08	1.41E-04	4.45E-08	1.89E-08	1.24E-04	3.90E-08	1.66E-08
2318	495111.06, 3860001.99	1.15E-04	3.62E-08	1.54E-08	1.40E-04	4.43E-08	1.88E-08	1.23E-04	3.88E-08	1.65E-08
2319	495161.06, 3860001.99	1.14E-04	3.60E-08	1.53E-08	1.40E-04	4.41E-08	1.87E-08	1.23E-04	3.87E-08	1.64E-08
2320	495211.06, 3860001.99	1.14E-04	3.59E-08	1.52E-08	1.39E-04	4.40E-08	1.86E-08	1.22E-04	3.85E-08	1.63E-08
2321	495261.06, 3860001.99	1.13E-04	3.57E-08	1.52E-08	1.39E-04	4.38E-08	1.86E-08	1.22E-04	3.84E-08	1.63E-08
2322	495311.06, 3860001.99	1.13E-04	3.56E-08	1.51E-08	1.38E-04	4.36E-08	1.85E-08	1.21E-04	3.82E-08	1.62E-08
2323	495361.06, 3860001.99	1.12E-04	3.54E-08	1.50E-08	1.37E-04	4.34E-08	1.84E-08	1.20E-04	3.80E-08	1.61E-08
2324	495411.06, 3860001.99	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.79E-08	1.61E-08
2325	495461.06, 3860001.99	1.11E-04	3.51E-08	1.49E-08	1.36E-04	4.30E-08	1.83E-08	1.19E-04	3.77E-08	1.60E-08
2326	495511.06, 3860001.99	1.11E-04	3.50E-08	1.48E-08	1.36E-04	4.28E-08	1.82E-08	1.19E-04	3.75E-08	1.59E-08
2327	495561.06, 3860001.99	1.10E-04	3.48E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.18E-04	3.74E-08	1.59E-08
2328	495611.06, 3860001.99	1.10E-04	3.47E-08	1.47E-08	1.35E-04	4.25E-08	1.80E-08	1.18E-04	3.72E-08	1.58E-08
2329	495661.06, 3860001.99	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.23E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
2330	494411.06, 3860051.99	1.20E-04	3.78E-08	1.60E-08	1.47E-04	4.63E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
2331	494461.06, 3860051.99	1.19E-04	3.76E-08	1.60E-08	1.46E-04	4.61E-08	1.95E-08	1.28E-04	4.04E-08	1.71E-08
2332	494511.06, 3860051.99	1.19E-04	3.75E-08	1.59E-08	1.45E-04	4.59E-08	1.95E-08	1.27E-04	4.02E-08	1.71E-08
2333	494561.06, 3860051.99	1.18E-04	3.73E-08	1.58E-08	1.45E-04	4.57E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
2334	494611.06, 3860051.99	1.18E-04	3.72E-08	1.58E-08	1.44E-04	4.55E-08	1.93E-08	1.26E-04	3.99E-08	1.69E-08
2335	494661.06, 3860051.99	1.17E-04	3.70E-08	1.57E-08	1.44E-04	4.54E-08	1.93E-08	1.26E-04	3.98E-08	1.69E-08
2336	494711.06, 3860051.99	1.17E-04	3.69E-08	1.56E-08	1.43E-04	4.52E-08	1.92E-08	1.25E-04	3.96E-08	1.68E-08
2337	494761.06, 3860051.99	1.16E-04	3.67E-08	1.56E-08	1.43E-04	4.50E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
2338	494811.06, 3860051.99	1.16E-04	3.66E-08	1.55E-08	1.42E-04	4.48E-08	1.90E-08	1.24E-04	3.93E-08	1.67E-08
2339	494861.06, 3860051.99	1.16E-04	3.65E-08	1.55E-08	1.41E-04	4.47E-08	1.89E-08	1.24E-04	3.91E-08	1.66E-08
2340	494911.06, 3860051.99	1.15E-04	3.63E-08	1.54E-08	1.41E-04	4.45E-08	1.89E-08	1.23E-04	3.90E-08	1.65E-08
2341	494961.06, 3860051.99	1.14E-04	3.61E-08	1.53E-08	1.40E-04	4.43E-08	1.88E-08	1.23E-04	3.88E-08	1.65E-08
2342	495011.06, 3860051.99	1.14E-04	3.60E-08	1.53E-08	1.40E-04	4.41E-08	1.87E-08	1.22E-04	3.86E-08	1.64E-08
2343	495061.06, 3860051.99	1.13E-04	3.58E-08	1.52E-08	1.39E-04	4.39E-08	1.86E-08	1.22E-04	3.84E-08	1.63E-08
2344	495111.06, 3860051.99	1.13E-04	3.57E-08	1.51E-08	1.38E-04	4.37E-08	1.85E-08	1.21E-04	3.83E-08	1.62E-08
2345	495161.06, 3860051.99	1.13E-04	3.55E-08	1.51E-08	1.38E-04	4.35E-08	1.85E-08	1.21E-04	3.81E-08	1.62E-08
2346	495211.06, 3860051.99	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.33E-08	1.84E-08	1.20E-04	3.79E-08	1.61E-08
2347	495261.06, 3860051.99	1.12E-04	3.52E-08	1.49E-08	1.37E-04	4.31E-08	1.83E-08	1.20E-04	3.78E-08	1.60E-08
2348	495311.06, 3860051.99	1.11E-04	3.51E-08	1.49E-08	1.36E-04	4.29E-08	1.82E-08	1.19E-04	3.76E-08	1.60E-08
2349	495361.06, 3860051.99	1.11E-04	3.49E-08	1.48E-08	1.36E-04	4.28E-08	1.82E-08	1.19E-04	3.75E-08	1.59E-08
2350	495411.06, 3860051.99	1.10E-04	3.48E-08	1.48E-08	1.35E-04	4.26E-08	1.81E-08	1.18E-04	3.73E-08	1.58E-08
2351	495461.06, 3860051.99	1.10E-04	3.46E-08	1.47E-08	1.34E-04	4.24E-08	1.80E-08	1.18E-04	3.72E-08	1.58E-08
2352	495511.06, 3860051.99	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.23E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
2353	495561.06, 3860051.99	1.09E-04	3.44E-08	1.46E-08	1.33E-04	4.21E-08	1.79E-08	1.17E-04	3.69E-08	1.56E-08
2354	495611.06, 3860051.99	1.08E-04	3.42E-08	1.45E-08	1.33E-04	4.19E-08	1.78E-08	1.16E-04	3.67E-08	1.56E-08
2355	495661.06, 3860051.99	1.08E-04	3.41E-08	1.44E-08	1.32E-04	4.17E-08	1.77E-08	1.16E-04	3.66E-08	1.55E-08
2356	494411.06, 3860101.99	1.18E-04	3.71E-08	1.57E-08	1.44E-04	4.55E-08	1.93E-08	1.26E-04	3.98E-08	1.69E-08
2357	494461.06, 3860101.99	1.17E-04	3.70E-08	1.57E-08	1.44E-04	4.53E-08	1.92E-08	1.26E-04	3.97E-08	1.68E-08
2358	494511.06, 3860101.99	1.17E-04	3.68E-08	1.56E-08	1.43E-04	4.51E-08	1.91E-08	1.25E-04	3.95E-08	1.68E-08
2359	494561.06, 3860101.99	1.16E-04	3.67E-08	1.56E-08	1.42E-04	4.49E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
2360	494611.06, 3860101.99	1.16E-04	3.66E-08	1.55E-08	1.42E-04	4.48E-08	1.90E-08	1.24E-04	3.93E-08	1.67E-08
2361	494661.06, 3860101.99	1.15E-04	3.64E-08	1.55E-08	1.41E-04	4.46E-08	1.89E-08	1.24E-04	3.91E-08	1.66E-08
2362	494711.06, 3860101.99	1.15E-04	3.63E-08	1.54E-08	1.41E-04	4.44E-08	1.89E-08	1.23E-04	3.89E-08	1.65E-08
2363	494761.06, 3860101.99	1.14E-04	3.61E-08	1.53E-08	1.40E-04	4.43E-08	1.88E-08	1.23E-04	3.88E-08	1.65E-08
2364	494811.06, 3860101.99	1.14E-04	3.60E-08	1.53E-08	1.40E-04	4.41E-08	1.87E-08	1.22E-04	3.86E-08	1.64E-08

2365	494861.06, 3860101.99	1.14E-04	3.58E-08	1.52E-08	1.39E-04	4.39E-08	1.86E-08	1.22E-04	3.85E-08	1.63E-08
2366	494911.06, 3860101.99	1.13E-04	3.57E-08	1.52E-08	1.39E-04	4.37E-08	1.86E-08	1.21E-04	3.83E-08	1.63E-08
2367	494961.06, 3860101.99	1.13E-04	3.56E-08	1.51E-08	1.38E-04	4.36E-08	1.85E-08	1.21E-04	3.82E-08	1.62E-08
2368	495011.06, 3860101.99	1.12E-04	3.54E-08	1.50E-08	1.37E-04	4.34E-08	1.84E-08	1.20E-04	3.80E-08	1.61E-08
2369	495061.06, 3860101.99	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.79E-08	1.61E-08
2370	495111.06, 3860101.99	1.11E-04	3.51E-08	1.49E-08	1.36E-04	4.30E-08	1.82E-08	1.19E-04	3.77E-08	1.60E-08
2371	495161.06, 3860101.99	1.11E-04	3.50E-08	1.48E-08	1.36E-04	4.28E-08	1.82E-08	1.19E-04	3.75E-08	1.59E-08
2372	495211.06, 3860101.99	1.10E-04	3.48E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.18E-04	3.74E-08	1.59E-08
2373	495261.06, 3860101.99	1.10E-04	3.47E-08	1.47E-08	1.35E-04	4.25E-08	1.80E-08	1.18E-04	3.72E-08	1.58E-08
2374	495311.06, 3860101.99	1.09E-04	3.46E-08	1.47E-08	1.34E-04	4.23E-08	1.80E-08	1.18E-04	3.71E-08	1.57E-08
2375	495361.06, 3860101.99	1.09E-04	3.44E-08	1.46E-08	1.34E-04	4.22E-08	1.79E-08	1.17E-04	3.69E-08	1.57E-08
2376	495411.06, 3860101.99	1.09E-04	3.43E-08	1.45E-08	1.33E-04	4.20E-08	1.78E-08	1.17E-04	3.68E-08	1.56E-08
2377	495461.06, 3860101.99	1.08E-04	3.41E-08	1.45E-08	1.32E-04	4.18E-08	1.77E-08	1.16E-04	3.66E-08	1.55E-08
2378	495511.06, 3860101.99	1.08E-04	3.40E-08	1.44E-08	1.32E-04	4.16E-08	1.77E-08	1.16E-04	3.65E-08	1.55E-08
2379	495561.06, 3860101.99	1.07E-04	3.39E-08	1.44E-08	1.31E-04	4.15E-08	1.76E-08	1.15E-04	3.64E-08	1.54E-08
2380	495611.06, 3860101.99	1.07E-04	3.37E-08	1.43E-08	1.31E-04	4.13E-08	1.75E-08	1.15E-04	3.62E-08	1.54E-08
2381	495661.06, 3860101.99	1.06E-04	3.36E-08	1.42E-08	1.30E-04	4.11E-08	1.75E-08	1.14E-04	3.60E-08	1.53E-08
2382	494861.06, 3860151.99	1.12E-04	3.52E-08	1.49E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.78E-08	1.60E-08
2383	494911.06, 3860151.99	1.11E-04	3.51E-08	1.49E-08	1.36E-04	4.30E-08	1.82E-08	1.19E-04	3.77E-08	1.60E-08
2384	494961.06, 3860151.99	1.11E-04	3.50E-08	1.48E-08	1.36E-04	4.29E-08	1.82E-08	1.19E-04	3.76E-08	1.59E-08
2385	495011.06, 3860151.99	1.10E-04	3.49E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.19E-04	3.74E-08	1.59E-08
2386	495061.06, 3860151.99	1.10E-04	3.47E-08	1.47E-08	1.35E-04	4.25E-08	1.80E-08	1.18E-04	3.73E-08	1.58E-08
2387	495111.06, 3860151.99	1.10E-04	3.46E-08	1.47E-08	1.34E-04	4.24E-08	1.80E-08	1.18E-04	3.71E-08	1.57E-08
2388	495161.06, 3860151.99	1.09E-04	3.44E-08	1.46E-08	1.34E-04	4.22E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
2389	495211.06, 3860151.99	1.09E-04	3.43E-08	1.46E-08	1.33E-04	4.20E-08	1.78E-08	1.17E-04	3.68E-08	1.56E-08
2390	495261.06, 3860151.99	1.08E-04	3.42E-08	1.45E-08	1.33E-04	4.19E-08	1.78E-08	1.16E-04	3.67E-08	1.56E-08
2391	495311.06, 3860151.99	1.08E-04	3.40E-08	1.44E-08	1.32E-04	4.17E-08	1.77E-08	1.16E-04	3.65E-08	1.55E-08
2392	495361.06, 3860151.99	1.07E-04	3.39E-08	1.44E-08	1.32E-04	4.15E-08	1.76E-08	1.15E-04	3.64E-08	1.54E-08
2393	495411.06, 3860151.99	1.07E-04	3.38E-08	1.43E-08	1.31E-04	4.14E-08	1.76E-08	1.15E-04	3.63E-08	1.54E-08
2394	495461.06, 3860151.99	1.07E-04	3.36E-08	1.43E-08	1.31E-04	4.12E-08	1.75E-08	1.14E-04	3.61E-08	1.53E-08
2395	495511.06, 3860151.99	1.06E-04	3.35E-08	1.42E-08	1.30E-04	4.10E-08	1.74E-08	1.14E-04	3.60E-08	1.53E-08
2396	495561.06, 3860151.99	1.06E-04	3.34E-08	1.42E-08	1.30E-04	4.09E-08	1.73E-08	1.14E-04	3.58E-08	1.52E-08
2397	495611.06, 3860151.99	1.05E-04	3.32E-08	1.41E-08	1.29E-04	4.07E-08	1.73E-08	1.13E-04	3.57E-08	1.51E-08
2398	495661.06, 3860151.99	1.05E-04	3.31E-08	1.40E-08	1.28E-04	4.05E-08	1.72E-08	1.13E-04	3.55E-08	1.51E-08
2399	495718.25, 3859442.96	1.16E-04	3.66E-08	1.55E-08	1.42E-04	4.49E-08	1.90E-08	1.25E-04	3.93E-08	1.67E-08
2400	495818.25, 3859442.96	1.14E-04	3.60E-08	1.53E-08	1.40E-04	4.41E-08	1.87E-08	1.23E-04	3.87E-08	1.64E-08
2401	495918.25, 3859442.96	1.13E-04	3.56E-08	1.51E-08	1.38E-04	4.36E-08	1.85E-08	1.21E-04	3.82E-08	1.62E-08
2402	496018.25, 3859442.96	1.12E-04	3.52E-08	1.49E-08	1.37E-04	4.31E-08	1.83E-08	1.20E-04	3.78E-08	1.60E-08
2403	496118.25, 3859442.96	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.33E-08	1.84E-08	1.20E-04	3.79E-08	1.61E-08
2404	496218.25, 3859442.96	1.12E-04	3.54E-08	1.50E-08	1.37E-04	4.33E-08	1.84E-08	1.20E-04	3.80E-08	1.61E-08
2405	496318.25, 3859442.96	1.11E-04	3.51E-08	1.49E-08	1.36E-04	4.29E-08	1.82E-08	1.19E-04	3.76E-08	1.60E-08
2406	496418.25, 3859442.96	1.10E-04	3.47E-08	1.47E-08	1.35E-04	4.25E-08	1.80E-08	1.18E-04	3.72E-08	1.58E-08
2407	495718.25, 3859542.96	1.16E-04	3.67E-08	1.56E-08	1.42E-04	4.49E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
2408	495818.25, 3859542.96	1.15E-04	3.63E-08	1.54E-08	1.41E-04	4.44E-08	1.88E-08	1.23E-04	3.89E-08	1.65E-08
2409	495918.25, 3859542.96	1.13E-04	3.57E-08	1.52E-08	1.39E-04	4.38E-08	1.86E-08	1.22E-04	3.84E-08	1.63E-08
2410	496018.25, 3859542.96	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.79E-08	1.61E-08
2411	496118.25, 3859542.96	1.12E-04	3.54E-08	1.50E-08	1.37E-04	4.33E-08	1.84E-08	1.20E-04	3.80E-08	1.61E-08
2412	496218.25, 3859542.96	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.79E-08	1.61E-08
2413	496318.25, 3859542.96	1.11E-04	3.51E-08	1.49E-08	1.36E-04	4.30E-08	1.82E-08	1.19E-04	3.77E-08	1.60E-08
2414	496418.25, 3859542.96	1.10E-04	3.47E-08	1.47E-08	1.35E-04	4.25E-08	1.80E-08	1.18E-04	3.72E-08	1.58E-08
2415	495718.25, 3859642.96	1.15E-04	3.64E-08	1.55E-08	1.41E-04	4.46E-08	1.89E-08	1.24E-04	3.91E-08	1.66E-08
2416	495818.25, 3859642.96	1.14E-04	3.60E-08	1.53E-08	1.40E-04	4.40E-08	1.87E-08	1.22E-04	3.86E-08	1.64E-08
2417	495918.25, 3859642.96	1.13E-04	3.56E-08	1.51E-08	1.38E-04	4.37E-08	1.85E-08	1.21E-04	3.83E-08	1.62E-08
2418	496018.25, 3859642.96	1.12E-04	3.52E-08	1.49E-08	1.37E-04	4.31E-08	1.83E-08	1.20E-04	3.78E-08	1.60E-08
2419	496118.25, 3859642.96	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.79E-08	1.61E-08
2420	496218.25, 3859642.96	1.12E-04	3.52E-08	1.49E-08	1.37E-04	4.31E-08	1.83E-08	1.20E-04	3.78E-08	1.60E-08
2421	496318.25, 3859642.96	1.10E-04	3.49E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.19E-04	3.74E-08	1.59E-08
2422	496418.25, 3859642.96	1.07E-04	3.38E-08	1.44E-08	1.31E-04	4.15E-08	1.76E-08	1.15E-04	3.63E-08	1.54E-08
2423	495718.25, 3859742.96	1.15E-04	3.61E-08	1.53E-08	1.40E-04	4.43E-08	1.88E-08	1.23E-04	3.88E-08	1.65E-08
2424	495818.25, 3859742.96	1.13E-04	3.57E-08	1.51E-08	1.38E-04	4.37E-08	1.85E-08	1.21E-04	3.83E-08	1.62E-08
2425	495918.25, 3859742.96	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.79E-08	1.61E-08
2426	496018.25, 3859742.96	1.11E-04	3.49E-08	1.48E-08	1.35E-04	4.28E-08	1.81E-08	1.19E-04	3.75E-08	1.59E-08
2427	496118.25, 3859742.96	1.10E-04	3.49E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.19E-04	3.74E-08	1.59E-08
2428	496218.25, 3859742.96	1.11E-04	3.49E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.19E-04	3.74E-08	1.59E-08

2429	496318.25, 3859742.96	1.08E-04	3.41E-08	1.45E-08	1.32E-04	4.18E-08	1.77E-08	1.16E-04	3.66E-08	1.55E-08
2430	496418.25, 3859742.96	1.06E-04	3.34E-08	1.42E-08	1.30E-04	4.09E-08	1.74E-08	1.14E-04	3.59E-08	1.52E-08
2431	495718.25, 3859842.96	1.13E-04	3.56E-08	1.51E-08	1.38E-04	4.36E-08	1.85E-08	1.21E-04	3.82E-08	1.62E-08
2432	495818.25, 3859842.96	1.12E-04	3.52E-08	1.49E-08	1.37E-04	4.31E-08	1.83E-08	1.20E-04	3.78E-08	1.60E-08
2433	495918.25, 3859842.96	1.10E-04	3.49E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.19E-04	3.74E-08	1.59E-08
2434	496018.25, 3859842.96	1.10E-04	3.46E-08	1.47E-08	1.34E-04	4.24E-08	1.80E-08	1.18E-04	3.71E-08	1.58E-08
2435	496118.25, 3859842.96	1.10E-04	3.46E-08	1.47E-08	1.34E-04	4.24E-08	1.80E-08	1.18E-04	3.71E-08	1.58E-08
2436	496218.25, 3859842.96	1.08E-04	3.40E-08	1.44E-08	1.32E-04	4.16E-08	1.77E-08	1.16E-04	3.65E-08	1.55E-08
2437	496318.25, 3859842.96	1.04E-04	3.28E-08	1.39E-08	1.27E-04	4.01E-08	1.70E-08	1.11E-04	3.52E-08	1.49E-08
2438	496418.25, 3859842.96	1.01E-04	3.18E-08	1.35E-08	1.24E-04	3.90E-08	1.65E-08	1.08E-04	3.42E-08	1.45E-08
2439	495718.25, 3859942.96	1.10E-04	3.48E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.18E-04	3.74E-08	1.59E-08
2440	495818.25, 3859942.96	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.23E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
2441	495918.25, 3859942.96	1.08E-04	3.42E-08	1.45E-08	1.33E-04	4.19E-08	1.78E-08	1.16E-04	3.67E-08	1.56E-08
2442	496018.25, 3859942.96	1.08E-04	3.41E-08	1.45E-08	1.32E-04	4.17E-08	1.77E-08	1.16E-04	3.66E-08	1.55E-08
2443	496118.25, 3859942.96	1.07E-04	3.36E-08	1.43E-08	1.31E-04	4.12E-08	1.75E-08	1.14E-04	3.61E-08	1.53E-08
2444	496218.25, 3859942.96	1.04E-04	3.30E-08	1.40E-08	1.28E-04	4.04E-08	1.71E-08	1.12E-04	3.54E-08	1.50E-08
2445	496318.25, 3859942.96	1.02E-04	3.22E-08	1.37E-08	1.25E-04	3.94E-08	1.67E-08	1.09E-04	3.46E-08	1.47E-08
2446	496418.25, 3859942.96	9.82E-05	3.10E-08	1.31E-08	1.20E-04	3.80E-08	1.61E-08	1.05E-04	3.33E-08	1.41E-08
2447	496856.82, 3858864.83	9.78E-05	3.09E-08	1.31E-08	1.20E-04	3.78E-08	1.60E-08	1.05E-04	3.31E-08	1.41E-08
2448	496956.82, 3858864.83	9.63E-05	3.04E-08	1.29E-08	1.18E-04	3.72E-08	1.58E-08	1.03E-04	3.26E-08	1.38E-08
2449	497056.82, 3858864.83	9.50E-05	3.00E-08	1.27E-08	1.16E-04	3.67E-08	1.56E-08	1.02E-04	3.22E-08	1.37E-08
2450	497156.82, 3858864.83	9.33E-05	2.94E-08	1.25E-08	1.14E-04	3.61E-08	1.53E-08	1.00E-04	3.16E-08	1.34E-08
2451	497256.82, 3858864.83	9.28E-05	2.93E-08	1.24E-08	1.14E-04	3.59E-08	1.52E-08	9.96E-05	3.14E-08	1.33E-08
2452	496856.82, 3858964.83	9.98E-05	3.15E-08	1.34E-08	1.22E-04	3.86E-08	1.64E-08	1.07E-04	3.38E-08	1.43E-08
2453	496956.82, 3858964.83	9.77E-05	3.08E-08	1.31E-08	1.20E-04	3.78E-08	1.60E-08	1.05E-04	3.31E-08	1.40E-08
2454	497056.82, 3858964.83	9.62E-05	3.04E-08	1.29E-08	1.18E-04	3.72E-08	1.58E-08	1.03E-04	3.26E-08	1.38E-08
2455	497156.82, 3858964.83	9.46E-05	2.99E-08	1.27E-08	1.16E-04	3.66E-08	1.55E-08	1.02E-04	3.21E-08	1.36E-08
2456	497256.82, 3858964.83	9.54E-05	3.01E-08	1.28E-08	1.17E-04	3.69E-08	1.56E-08	1.02E-04	3.23E-08	1.37E-08
2457	496856.82, 3859064.83	1.00E-04	3.16E-08	1.34E-08	1.23E-04	3.87E-08	1.64E-08	1.08E-04	3.39E-08	1.44E-08
2458	496956.82, 3859064.83	9.86E-05	3.11E-08	1.32E-08	1.21E-04	3.81E-08	1.62E-08	1.06E-04	3.34E-08	1.42E-08
2459	497056.82, 3859064.83	9.73E-05	3.07E-08	1.30E-08	1.19E-04	3.76E-08	1.60E-08	1.04E-04	3.30E-08	1.40E-08
2460	497156.82, 3859064.83	9.61E-05	3.03E-08	1.29E-08	1.18E-04	3.72E-08	1.58E-08	1.03E-04	3.26E-08	1.38E-08
2461	497256.82, 3859064.83	9.77E-05	3.08E-08	1.31E-08	1.20E-04	3.78E-08	1.60E-08	1.05E-04	3.31E-08	1.40E-08
2462	496856.82, 3859164.83	9.95E-05	3.14E-08	1.33E-08	1.22E-04	3.85E-08	1.63E-08	1.07E-04	3.37E-08	1.43E-08
2463	496956.82, 3859164.83	9.78E-05	3.09E-08	1.31E-08	1.20E-04	3.78E-08	1.60E-08	1.05E-04	3.31E-08	1.41E-08
2464	497056.82, 3859164.83	9.72E-05	3.07E-08	1.30E-08	1.19E-04	3.76E-08	1.59E-08	1.04E-04	3.29E-08	1.40E-08
2465	497156.82, 3859164.83	9.77E-05	3.08E-08	1.31E-08	1.20E-04	3.78E-08	1.60E-08	1.05E-04	3.31E-08	1.40E-08
2466	497256.82, 3859164.83	9.95E-05	3.14E-08	1.33E-08	1.22E-04	3.85E-08	1.63E-08	1.07E-04	3.37E-08	1.43E-08
2467	496856.82, 3859264.83	9.82E-05	3.10E-08	1.31E-08	1.20E-04	3.79E-08	1.61E-08	1.05E-04	3.32E-08	1.41E-08
2468	496956.82, 3859264.83	9.79E-05	3.09E-08	1.31E-08	1.20E-04	3.78E-08	1.61E-08	1.05E-04	3.32E-08	1.41E-08
2469	497056.82, 3859264.83	9.85E-05	3.11E-08	1.32E-08	1.21E-04	3.81E-08	1.62E-08	1.06E-04	3.34E-08	1.42E-08
2470	497156.82, 3859264.83	9.89E-05	3.12E-08	1.32E-08	1.21E-04	3.82E-08	1.62E-08	1.06E-04	3.35E-08	1.42E-08
2471	497256.82, 3859264.83	1.00E-04	3.17E-08	1.34E-08	1.23E-04	3.88E-08	1.65E-08	1.08E-04	3.40E-08	1.44E-08
2472	497088.92, 3858620.93	8.94E-05	2.82E-08	1.20E-08	1.09E-04	3.46E-08	1.47E-08	9.59E-05	3.03E-08	1.28E-08
2473	497138.92, 3858620.93	8.93E-05	2.82E-08	1.20E-08	1.09E-04	3.45E-08	1.46E-08	9.58E-05	3.02E-08	1.28E-08
2474	497188.92, 3858620.93	8.85E-05	2.79E-08	1.19E-08	1.08E-04	3.42E-08	1.45E-08	9.50E-05	3.00E-08	1.27E-08
2475	497238.92, 3858620.93	8.81E-05	2.78E-08	1.18E-08	1.08E-04	3.40E-08	1.44E-08	9.46E-05	2.98E-08	1.27E-08
2476	497088.92, 3858670.93	8.94E-05	2.82E-08	1.20E-08	1.09E-04	3.45E-08	1.47E-08	9.59E-05	3.03E-08	1.28E-08
2477	497138.92, 3858670.93	8.97E-05	2.83E-08	1.20E-08	1.10E-04	3.47E-08	1.47E-08	9.63E-05	3.04E-08	1.29E-08
2478	497188.92, 3858670.93	8.89E-05	2.81E-08	1.19E-08	1.09E-04	3.44E-08	1.46E-08	9.55E-05	3.01E-08	1.28E-08
2479	497238.92, 3858670.93	8.88E-05	2.80E-08	1.19E-08	1.09E-04	3.43E-08	1.46E-08	9.53E-05	3.01E-08	1.28E-08
2480	497088.92, 3858720.93	9.13E-05	2.88E-08	1.22E-08	1.12E-04	3.53E-08	1.50E-08	9.80E-05	3.09E-08	1.31E-08
2481	497138.92, 3858720.93	8.91E-05	2.81E-08	1.19E-08	1.09E-04	3.44E-08	1.46E-08	9.56E-05	3.02E-08	1.28E-08
2482	497188.92, 3858720.93	8.86E-05	2.80E-08	1.19E-08	1.09E-04	3.43E-08	1.45E-08	9.51E-05	3.00E-08	1.27E-08
2483	497238.92, 3858720.93	8.97E-05	2.83E-08	1.20E-08	1.10E-04	3.47E-08	1.47E-08	9.63E-05	3.04E-08	1.29E-08
2484	497088.92, 3858770.93	9.17E-05	2.89E-08	1.23E-08	1.12E-04	3.55E-08	1.50E-08	9.85E-05	3.11E-08	1.32E-08
2485	497138.92, 3858770.93	9.08E-05	2.87E-08	1.22E-08	1.11E-04	3.51E-08	1.49E-08	9.75E-05	3.08E-08	1.31E-08
2486	497188.92, 3858770.93	9.02E-05	2.85E-08	1.21E-08	1.10E-04	3.49E-08	1.48E-08	9.68E-05	3.06E-08	1.30E-08
2487	497238.92, 3858770.93	9.07E-05	2.86E-08	1.21E-08	1.11E-04	3.51E-08	1.49E-08	9.74E-05	3.07E-08	1.30E-08
2488	497396.65, 3858622.63	9.15E-05	2.89E-08	1.23E-08	1.12E-04	3.54E-08	1.50E-08	9.82E-05	3.10E-08	1.32E-08
2489	497496.65, 3858622.63	9.33E-05	2.95E-08	1.25E-08	1.14E-04	3.61E-08	1.53E-08	1.00E-04	3.16E-08	1.34E-08
2490	497596.65, 3858622.63	9.68E-05	3.06E-08	1.30E-08	1.19E-04	3.74E-08	1.59E-08	1.04E-04	3.28E-08	1.39E-08
2491	497696.65, 3858622.63	9.76E-05	3.08E-08	1.31E-08	1.20E-04	3.77E-08	1.60E-08	1.05E-04	3.31E-08	1.40E-08
2492	497796.65, 3858622.63	9.96E-05	3.14E-08	1.33E-08	1.22E-04	3.85E-08	1.63E-08	1.07E-04	3.37E-08	1.43E-08

2493	497896.65, 3858622.63	1.02E-04	3.20E-08	1.36E-08	1.24E-04	3.93E-08	1.67E-08	1.09E-04	3.44E-08	1.46E-08
2494	497396.65, 3858722.63	9.37E-05	2.96E-08	1.25E-08	1.15E-04	3.62E-08	1.54E-08	1.01E-04	3.17E-08	1.35E-08
2495	497496.65, 3858722.63	9.55E-05	3.01E-08	1.28E-08	1.17E-04	3.69E-08	1.57E-08	1.03E-04	3.24E-08	1.37E-08
2496	497596.65, 3858722.63	9.86E-05	3.11E-08	1.32E-08	1.21E-04	3.81E-08	1.62E-08	1.06E-04	3.34E-08	1.42E-08
2497	497696.65, 3858722.63	1.00E-04	3.16E-08	1.34E-08	1.23E-04	3.87E-08	1.64E-08	1.08E-04	3.40E-08	1.44E-08
2498	497796.65, 3858722.63	1.01E-04	3.19E-08	1.35E-08	1.24E-04	3.90E-08	1.66E-08	1.08E-04	3.42E-08	1.45E-08
2499	497896.65, 3858722.63	1.02E-04	3.22E-08	1.37E-08	1.25E-04	3.95E-08	1.67E-08	1.10E-04	3.46E-08	1.47E-08
2500	497396.65, 3858822.63	9.49E-05	2.99E-08	1.27E-08	1.16E-04	3.67E-08	1.56E-08	1.02E-04	3.21E-08	1.36E-08
2501	497496.65, 3858822.63	9.63E-05	3.04E-08	1.29E-08	1.18E-04	3.72E-08	1.58E-08	1.03E-04	3.26E-08	1.38E-08
2502	497596.65, 3858822.63	9.99E-05	3.15E-08	1.34E-08	1.22E-04	3.86E-08	1.64E-08	1.07E-04	3.39E-08	1.44E-08
2503	497696.65, 3858822.63	1.01E-04	3.19E-08	1.35E-08	1.24E-04	3.90E-08	1.66E-08	1.08E-04	3.42E-08	1.45E-08
2504	497796.65, 3858822.63	1.02E-04	3.21E-08	1.36E-08	1.25E-04	3.93E-08	1.67E-08	1.09E-04	3.44E-08	1.46E-08
2505	497896.65, 3858822.63	1.04E-04	3.27E-08	1.39E-08	1.27E-04	4.01E-08	1.70E-08	1.11E-04	3.51E-08	1.49E-08
2506	497396.65, 3858922.63	9.62E-05	3.04E-08	1.29E-08	1.18E-04	3.72E-08	1.58E-08	1.03E-04	3.26E-08	1.38E-08
2507	497496.65, 3858922.63	9.92E-05	3.13E-08	1.33E-08	1.21E-04	3.83E-08	1.63E-08	1.06E-04	3.36E-08	1.43E-08
2508	497596.65, 3858922.63	9.89E-05	3.12E-08	1.32E-08	1.21E-04	3.82E-08	1.62E-08	1.06E-04	3.35E-08	1.42E-08
2509	497696.65, 3858922.63	1.02E-04	3.23E-08	1.37E-08	1.25E-04	3.95E-08	1.68E-08	1.10E-04	3.46E-08	1.47E-08
2510	497796.65, 3858922.63	1.04E-04	3.27E-08	1.39E-08	1.27E-04	4.01E-08	1.70E-08	1.11E-04	3.51E-08	1.49E-08
2511	497896.65, 3858922.63	1.06E-04	3.35E-08	1.42E-08	1.30E-04	4.10E-08	1.74E-08	1.14E-04	3.59E-08	1.52E-08
2512	497364.44, 3858201.52	8.75E-05	2.76E-08	1.17E-08	1.07E-04	3.38E-08	1.44E-08	9.40E-05	2.97E-08	1.26E-08
2513	497414.44, 3858201.52	8.85E-05	2.79E-08	1.19E-08	1.08E-04	3.42E-08	1.45E-08	9.51E-05	3.00E-08	1.27E-08
2514	497464.44, 3858201.52	8.94E-05	2.82E-08	1.20E-08	1.09E-04	3.45E-08	1.47E-08	9.59E-05	3.03E-08	1.28E-08
2515	497514.44, 3858201.52	8.97E-05	2.83E-08	1.20E-08	1.10E-04	3.47E-08	1.47E-08	9.63E-05	3.04E-08	1.29E-08
2516	497564.44, 3858201.52	8.93E-05	2.82E-08	1.20E-08	1.09E-04	3.45E-08	1.46E-08	9.59E-05	3.03E-08	1.28E-08
2517	497614.44, 3858201.52	8.95E-05	2.82E-08	1.20E-08	1.10E-04	3.46E-08	1.47E-08	9.61E-05	3.03E-08	1.29E-08
2518	497364.44, 3858251.52	8.90E-05	2.81E-08	1.19E-08	1.09E-04	3.44E-08	1.46E-08	9.55E-05	3.01E-08	1.28E-08
2519	497414.44, 3858251.52	9.03E-05	2.85E-08	1.21E-08	1.11E-04	3.49E-08	1.48E-08	9.69E-05	3.06E-08	1.30E-08
2520	497464.44, 3858251.52	8.95E-05	2.83E-08	1.20E-08	1.10E-04	3.46E-08	1.47E-08	9.61E-05	3.03E-08	1.29E-08
2521	497514.44, 3858251.52	8.86E-05	2.80E-08	1.19E-08	1.09E-04	3.42E-08	1.45E-08	9.51E-05	3.00E-08	1.27E-08
2522	497564.44, 3858251.52	8.83E-05	2.79E-08	1.18E-08	1.08E-04	3.41E-08	1.45E-08	9.48E-05	2.99E-08	1.27E-08
2523	497614.44, 3858251.52	8.80E-05	2.78E-08	1.18E-08	1.08E-04	3.40E-08	1.44E-08	9.45E-05	2.98E-08	1.27E-08
2524	497364.44, 3858301.52	8.92E-05	2.82E-08	1.20E-08	1.09E-04	3.45E-08	1.46E-08	9.58E-05	3.02E-08	1.28E-08
2525	497414.44, 3858301.52	9.00E-05	2.84E-08	1.20E-08	1.10E-04	3.48E-08	1.48E-08	9.66E-05	3.05E-08	1.29E-08
2526	497464.44, 3858301.52	8.90E-05	2.81E-08	1.19E-08	1.09E-04	3.44E-08	1.46E-08	9.56E-05	3.02E-08	1.28E-08
2527	497514.44, 3858301.52	8.84E-05	2.79E-08	1.18E-08	1.08E-04	3.42E-08	1.45E-08	9.49E-05	2.99E-08	1.27E-08
2528	497564.44, 3858301.52	8.74E-05	2.76E-08	1.17E-08	1.07E-04	3.38E-08	1.43E-08	9.38E-05	2.96E-08	1.26E-08
2529	497614.44, 3858301.52	8.71E-05	2.75E-08	1.17E-08	1.07E-04	3.37E-08	1.43E-08	9.35E-05	2.95E-08	1.25E-08
2530	497364.44, 3858351.52	8.96E-05	2.83E-08	1.20E-08	1.10E-04	3.47E-08	1.47E-08	9.62E-05	3.04E-08	1.29E-08
2531	497414.44, 3858351.52	8.90E-05	2.81E-08	1.19E-08	1.09E-04	3.44E-08	1.46E-08	9.56E-05	3.02E-08	1.28E-08
2532	497464.44, 3858351.52	8.88E-05	2.80E-08	1.19E-08	1.09E-04	3.43E-08	1.46E-08	9.53E-05	3.01E-08	1.28E-08
2533	497514.44, 3858351.52	8.83E-05	2.79E-08	1.18E-08	1.08E-04	3.41E-08	1.45E-08	9.48E-05	2.99E-08	1.27E-08
2534	497564.44, 3858351.52	8.71E-05	2.75E-08	1.17E-08	1.07E-04	3.37E-08	1.43E-08	9.35E-05	2.95E-08	1.25E-08
2535	497614.44, 3858351.52	8.68E-05	2.74E-08	1.16E-08	1.06E-04	3.35E-08	1.42E-08	9.32E-05	2.94E-08	1.25E-08
2536	497364.44, 3858401.52	8.87E-05	2.80E-08	1.19E-08	1.09E-04	3.43E-08	1.45E-08	9.52E-05	3.00E-08	1.27E-08
2537	497414.44, 3858401.52	8.86E-05	2.79E-08	1.19E-08	1.08E-04	3.42E-08	1.45E-08	9.51E-05	3.00E-08	1.27E-08
2538	497464.44, 3858401.52	8.79E-05	2.77E-08	1.18E-08	1.08E-04	3.40E-08	1.44E-08	9.43E-05	2.98E-08	1.26E-08
2539	497514.44, 3858401.52	8.75E-05	2.76E-08	1.17E-08	1.07E-04	3.38E-08	1.44E-08	9.40E-05	2.97E-08	1.26E-08
2540	497564.44, 3858401.52	8.84E-05	2.79E-08	1.18E-08	1.08E-04	3.42E-08	1.45E-08	9.49E-05	3.00E-08	1.27E-08
2541	497614.44, 3858401.52	8.93E-05	2.82E-08	1.20E-08	1.09E-04	3.45E-08	1.47E-08	9.59E-05	3.03E-08	1.28E-08
2542	493478.11, 3860497.94	1.04E-04	3.27E-08	1.39E-08	1.27E-04	4.01E-08	1.70E-08	1.11E-04	3.51E-08	1.49E-08
2543	493528.11, 3860497.94	1.03E-04	3.27E-08	1.39E-08	1.27E-04	4.00E-08	1.70E-08	1.11E-04	3.51E-08	1.49E-08
2544	493478.11, 3860547.94	1.01E-04	3.19E-08	1.35E-08	1.24E-04	3.90E-08	1.66E-08	1.08E-04	3.42E-08	1.45E-08
2545	493528.11, 3860547.94	1.01E-04	3.18E-08	1.35E-08	1.24E-04	3.90E-08	1.65E-08	1.08E-04	3.42E-08	1.45E-08
2546	493478.11, 3860597.94	9.85E-05	3.11E-08	1.32E-08	1.21E-04	3.81E-08	1.62E-08	1.06E-04	3.34E-08	1.42E-08
2547	493528.11, 3860597.94	9.84E-05	3.10E-08	1.32E-08	1.20E-04	3.80E-08	1.61E-08	1.06E-04	3.33E-08	1.41E-08
2548	493561.88, 3860524.64	1.02E-04	3.22E-08	1.37E-08	1.25E-04	3.94E-08	1.67E-08	1.10E-04	3.46E-08	1.47E-08
2549	493591.88, 3860524.64	1.02E-04	3.22E-08	1.37E-08	1.25E-04	3.95E-08	1.67E-08	1.10E-04	3.46E-08	1.47E-08
2550	493561.88, 3860554.64	1.00E-04	3.17E-08	1.35E-08	1.23E-04	3.88E-08	1.65E-08	1.08E-04	3.40E-08	1.44E-08
2551	493591.88, 3860554.64	1.01E-04	3.17E-08	1.35E-08	1.23E-04	3.89E-08	1.65E-08	1.08E-04	3.41E-08	1.45E-08
2552	492880.5, 3860293.11	1.15E-04	3.63E-08	1.54E-08	1.41E-04	4.45E-08	1.89E-08	1.24E-04	3.90E-08	1.65E-08
2553	492930.5, 3860293.11	1.15E-04	3.64E-08	1.54E-08	1.41E-04	4.45E-08	1.89E-08	1.24E-04	3.90E-08	1.66E-08
2554	492980.5, 3860293.11	1.15E-04	3.64E-08	1.54E-08	1.41E-04	4.46E-08	1.89E-08	1.24E-04	3.91E-08	1.66E-08
2555	493030.5, 3860293.11	1.16E-04	3.66E-08	1.55E-08	1.42E-04	4.48E-08	1.90E-08	1.25E-04	3.93E-08	1.67E-08
2556	493080.5, 3860293.11	1.16E-04	3.68E-08	1.56E-08	1.43E-04	4.50E-08	1.91E-08	1.25E-04	3.95E-08	1.67E-08

2557	493130.5, 3860293.11	1.16E-04	3.66E-08	1.55E-08	1.42E-04	4.49E-08	1.90E-08	1.25E-04	3.93E-08	1.67E-08
2558	493180.5, 3860293.11	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.47E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
2559	493230.5, 3860293.11	1.15E-04	3.64E-08	1.55E-08	1.41E-04	4.46E-08	1.89E-08	1.24E-04	3.91E-08	1.66E-08
2560	493280.5, 3860293.11	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.47E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
2561	493330.5, 3860293.11	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.47E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
2562	493380.5, 3860293.11	1.15E-04	3.64E-08	1.55E-08	1.41E-04	4.46E-08	1.89E-08	1.24E-04	3.91E-08	1.66E-08
2563	492880.5, 3860343.11	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.79E-08	1.61E-08
2564	492930.5, 3860343.11	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.33E-08	1.84E-08	1.20E-04	3.79E-08	1.61E-08
2565	492980.5, 3860343.11	1.13E-04	3.56E-08	1.51E-08	1.38E-04	4.36E-08	1.85E-08	1.21E-04	3.82E-08	1.62E-08
2566	493030.5, 3860343.11	1.13E-04	3.56E-08	1.51E-08	1.38E-04	4.36E-08	1.85E-08	1.21E-04	3.82E-08	1.62E-08
2567	493080.5, 3860343.11	1.13E-04	3.58E-08	1.52E-08	1.39E-04	4.38E-08	1.86E-08	1.22E-04	3.84E-08	1.63E-08
2568	493130.5, 3860343.11	1.13E-04	3.57E-08	1.52E-08	1.39E-04	4.37E-08	1.86E-08	1.21E-04	3.83E-08	1.63E-08
2569	493180.5, 3860343.11	1.13E-04	3.55E-08	1.51E-08	1.38E-04	4.35E-08	1.85E-08	1.21E-04	3.82E-08	1.62E-08
2570	493230.5, 3860343.11	1.12E-04	3.55E-08	1.51E-08	1.38E-04	4.35E-08	1.84E-08	1.21E-04	3.81E-08	1.62E-08
2571	493280.5, 3860343.11	1.13E-04	3.56E-08	1.51E-08	1.38E-04	4.36E-08	1.85E-08	1.21E-04	3.82E-08	1.62E-08
2572	493330.5, 3860343.11	1.13E-04	3.56E-08	1.51E-08	1.38E-04	4.36E-08	1.85E-08	1.21E-04	3.82E-08	1.62E-08
2573	493380.5, 3860343.11	1.13E-04	3.56E-08	1.51E-08	1.38E-04	4.36E-08	1.85E-08	1.21E-04	3.82E-08	1.62E-08
2574	492880.5, 3860393.11	1.09E-04	3.43E-08	1.45E-08	1.33E-04	4.20E-08	1.78E-08	1.17E-04	3.68E-08	1.56E-08
2575	492930.5, 3860393.11	1.09E-04	3.44E-08	1.46E-08	1.33E-04	4.21E-08	1.79E-08	1.17E-04	3.69E-08	1.57E-08
2576	492980.5, 3860393.11	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.23E-08	1.79E-08	1.17E-04	3.71E-08	1.57E-08
2577	493030.5, 3860393.11	1.10E-04	3.46E-08	1.47E-08	1.34E-04	4.24E-08	1.80E-08	1.18E-04	3.71E-08	1.58E-08
2578	493080.5, 3860393.11	1.10E-04	3.48E-08	1.48E-08	1.35E-04	4.26E-08	1.81E-08	1.18E-04	3.74E-08	1.59E-08
2579	493130.5, 3860393.11	1.10E-04	3.47E-08	1.47E-08	1.35E-04	4.25E-08	1.80E-08	1.18E-04	3.73E-08	1.58E-08
2580	493180.5, 3860393.11	1.10E-04	3.46E-08	1.47E-08	1.34E-04	4.23E-08	1.80E-08	1.18E-04	3.71E-08	1.57E-08
2581	493230.5, 3860393.11	1.10E-04	3.46E-08	1.47E-08	1.34E-04	4.24E-08	1.80E-08	1.18E-04	3.71E-08	1.58E-08
2582	493280.5, 3860393.11	1.10E-04	3.47E-08	1.47E-08	1.35E-04	4.25E-08	1.80E-08	1.18E-04	3.72E-08	1.58E-08
2583	493330.5, 3860393.11	1.10E-04	3.47E-08	1.47E-08	1.35E-04	4.25E-08	1.80E-08	1.18E-04	3.73E-08	1.58E-08
2584	493380.5, 3860393.11	1.10E-04	3.47E-08	1.47E-08	1.35E-04	4.25E-08	1.80E-08	1.18E-04	3.73E-08	1.58E-08
2585	492880.5, 3860443.11	1.06E-04	3.33E-08	1.41E-08	1.29E-04	4.08E-08	1.73E-08	1.13E-04	3.58E-08	1.52E-08
2586	492930.5, 3860443.11	1.06E-04	3.34E-08	1.42E-08	1.30E-04	4.09E-08	1.73E-08	1.14E-04	3.58E-08	1.52E-08
2587	492980.5, 3860443.11	1.06E-04	3.35E-08	1.42E-08	1.30E-04	4.10E-08	1.74E-08	1.14E-04	3.60E-08	1.53E-08
2588	493030.5, 3860443.11	1.07E-04	3.36E-08	1.43E-08	1.30E-04	4.12E-08	1.75E-08	1.14E-04	3.61E-08	1.53E-08
2589	493080.5, 3860443.11	1.07E-04	3.37E-08	1.43E-08	1.31E-04	4.12E-08	1.75E-08	1.14E-04	3.61E-08	1.53E-08
2590	493130.5, 3860443.11	1.07E-04	3.37E-08	1.43E-08	1.31E-04	4.13E-08	1.75E-08	1.15E-04	3.62E-08	1.53E-08
2591	493180.5, 3860443.11	1.06E-04	3.36E-08	1.43E-08	1.30E-04	4.11E-08	1.75E-08	1.14E-04	3.61E-08	1.53E-08
2592	493230.5, 3860443.11	1.07E-04	3.37E-08	1.43E-08	1.31E-04	4.13E-08	1.75E-08	1.15E-04	3.62E-08	1.54E-08
2593	493280.5, 3860443.11	1.07E-04	3.38E-08	1.43E-08	1.31E-04	4.13E-08	1.75E-08	1.15E-04	3.62E-08	1.54E-08
2594	493330.5, 3860443.11	1.07E-04	3.39E-08	1.44E-08	1.31E-04	4.15E-08	1.76E-08	1.15E-04	3.63E-08	1.54E-08
2595	493380.5, 3860443.11	1.07E-04	3.38E-08	1.43E-08	1.31E-04	4.14E-08	1.76E-08	1.15E-04	3.63E-08	1.54E-08
2596	493180.5, 3860493.11	1.04E-04	3.27E-08	1.39E-08	1.27E-04	4.01E-08	1.70E-08	1.11E-04	3.51E-08	1.49E-08
2597	493230.5, 3860493.11	1.04E-04	3.28E-08	1.39E-08	1.27E-04	4.02E-08	1.70E-08	1.12E-04	3.52E-08	1.49E-08
2598	493280.5, 3860493.11	1.04E-04	3.29E-08	1.40E-08	1.28E-04	4.03E-08	1.71E-08	1.12E-04	3.53E-08	1.50E-08
2599	493330.5, 3860493.11	1.04E-04	3.29E-08	1.40E-08	1.28E-04	4.03E-08	1.71E-08	1.12E-04	3.53E-08	1.50E-08
2600	493380.5, 3860493.11	1.04E-04	3.29E-08	1.40E-08	1.28E-04	4.03E-08	1.71E-08	1.12E-04	3.53E-08	1.50E-08
2601	493330.5, 3860543.11	1.02E-04	3.21E-08	1.36E-08	1.24E-04	3.93E-08	1.67E-08	1.09E-04	3.44E-08	1.46E-08
2602	493380.5, 3860543.11	1.02E-04	3.20E-08	1.36E-08	1.24E-04	3.92E-08	1.67E-08	1.09E-04	3.44E-08	1.46E-08
2603	494135.94, 3860876.85	8.59E-05	2.71E-08	1.15E-08	1.05E-04	3.32E-08	1.41E-08	9.22E-05	2.91E-08	1.23E-08
2604	494185.94, 3860876.85	8.59E-05	2.71E-08	1.15E-08	1.05E-04	3.32E-08	1.41E-08	9.22E-05	2.91E-08	1.23E-08
2605	494135.94, 3860926.85	8.38E-05	2.64E-08	1.12E-08	1.03E-04	3.24E-08	1.37E-08	8.99E-05	2.84E-08	1.20E-08
2606	494185.94, 3860926.85	8.39E-05	2.65E-08	1.12E-08	1.03E-04	3.24E-08	1.38E-08	9.00E-05	2.84E-08	1.21E-08
2607	494135.94, 3860976.85	8.18E-05	2.58E-08	1.10E-08	1.00E-04	3.16E-08	1.34E-08	8.78E-05	2.77E-08	1.18E-08
2608	494185.94, 3860976.85	8.19E-05	2.58E-08	1.10E-08	1.00E-04	3.16E-08	1.34E-08	8.79E-05	2.77E-08	1.18E-08
2609	494135.94, 3861026.85	7.98E-05	2.52E-08	1.07E-08	9.78E-05	3.09E-08	1.31E-08	8.57E-05	2.70E-08	1.15E-08
2610	494185.94, 3861026.85	7.99E-05	2.52E-08	1.07E-08	9.79E-05	3.09E-08	1.31E-08	8.58E-05	2.71E-08	1.15E-08
2611	494135.94, 3861076.85	7.79E-05	2.46E-08	1.04E-08	9.54E-05	3.01E-08	1.28E-08	8.36E-05	2.64E-08	1.12E-08
2612	494185.94, 3861076.85	7.80E-05	2.46E-08	1.04E-08	9.55E-05	3.01E-08	1.28E-08	8.37E-05	2.64E-08	1.12E-08
2613	490360.04, 3858710.04	4.22E-04	1.33E-07	5.65E-08	5.17E-04	1.63E-07	6.93E-08	4.54E-04	1.43E-07	6.08E-08
2614	490410.04, 3858710.04	4.15E-04	1.31E-07	5.56E-08	5.08E-04	1.60E-07	6.80E-08	4.46E-04	1.41E-07	5.97E-08
2615	490460.04, 3858710.04	4.07E-04	1.29E-07	5.45E-08	4.99E-04	1.57E-07	6.68E-08	4.38E-04	1.38E-07	5.86E-08
2616	490510.04, 3858710.04	4.00E-04	1.26E-07	5.36E-08	4.90E-04	1.55E-07	6.57E-08	4.30E-04	1.36E-07	5.76E-08
2617	490560.04, 3858710.04	3.94E-04	1.24E-07	5.27E-08	4.82E-04	1.52E-07	6.46E-08	4.23E-04	1.34E-07	5.67E-08
2618	490610.04, 3858710.04	3.88E-04	1.22E-07	5.19E-08	4.75E-04	1.50E-07	6.36E-08	4.16E-04	1.31E-07	5.58E-08
2619	490660.04, 3858710.04	3.82E-04	1.21E-07	5.12E-08	4.68E-04	1.48E-07	6.27E-08	4.10E-04	1.30E-07	5.50E-08
2620	490710.04, 3858710.04	3.76E-04	1.19E-07	5.03E-08	4.60E-04	1.45E-07	6.16E-08	4.04E-04	1.27E-07	5.41E-08

2621	490760.04, 3858710.04	3.70E-04	1.17E-07	4.95E-08	4.53E-04	1.43E-07	6.07E-08	3.97E-04	1.25E-07	5.32E-08
2622	490810.04, 3858710.04	3.64E-04	1.15E-07	4.88E-08	4.46E-04	1.41E-07	5.97E-08	3.91E-04	1.23E-07	5.24E-08
2623	490860.04, 3858710.04	3.58E-04	1.13E-07	4.80E-08	4.39E-04	1.38E-07	5.88E-08	3.85E-04	1.21E-07	5.15E-08
2624	490360.04, 3858760.04	4.08E-04	1.29E-07	5.46E-08	4.99E-04	1.58E-07	6.69E-08	4.38E-04	1.38E-07	5.87E-08
2625	490410.04, 3858760.04	4.01E-04	1.26E-07	5.36E-08	4.91E-04	1.55E-07	6.57E-08	4.31E-04	1.36E-07	5.77E-08
2626	490460.04, 3858760.04	3.94E-04	1.24E-07	5.27E-08	4.82E-04	1.52E-07	6.46E-08	4.23E-04	1.33E-07	5.66E-08
2627	490510.04, 3858760.04	3.87E-04	1.22E-07	5.18E-08	4.74E-04	1.49E-07	6.34E-08	4.15E-04	1.31E-07	5.56E-08
2628	490560.04, 3858760.04	3.80E-04	1.20E-07	5.09E-08	4.66E-04	1.47E-07	6.24E-08	4.09E-04	1.29E-07	5.47E-08
2629	490610.04, 3858760.04	3.74E-04	1.18E-07	5.01E-08	4.58E-04	1.45E-07	6.14E-08	4.02E-04	1.27E-07	5.38E-08
2630	490660.04, 3858760.04	3.68E-04	1.16E-07	4.93E-08	4.51E-04	1.42E-07	6.04E-08	3.96E-04	1.25E-07	5.30E-08
2631	490710.04, 3858760.04	3.63E-04	1.14E-07	4.85E-08	4.44E-04	1.40E-07	5.95E-08	3.89E-04	1.23E-07	5.22E-08
2632	490760.04, 3858760.04	3.57E-04	1.13E-07	4.78E-08	4.37E-04	1.38E-07	5.85E-08	3.83E-04	1.21E-07	5.13E-08
2633	490810.04, 3858760.04	3.51E-04	1.11E-07	4.70E-08	4.30E-04	1.36E-07	5.76E-08	3.77E-04	1.19E-07	5.05E-08
2634	490860.04, 3858760.04	3.46E-04	1.09E-07	4.63E-08	4.24E-04	1.34E-07	5.68E-08	3.72E-04	1.17E-07	4.98E-08
2635	490360.04, 3858810.04	3.92E-04	1.24E-07	5.25E-08	4.81E-04	1.52E-07	6.43E-08	4.22E-04	1.33E-07	5.65E-08
2636	490410.04, 3858810.04	3.86E-04	1.22E-07	5.16E-08	4.72E-04	1.49E-07	6.32E-08	4.14E-04	1.31E-07	5.55E-08
2637	490460.04, 3858810.04	3.79E-04	1.20E-07	5.07E-08	4.64E-04	1.46E-07	6.21E-08	4.07E-04	1.29E-07	5.45E-08
2638	490510.04, 3858810.04	3.73E-04	1.18E-07	4.99E-08	4.57E-04	1.44E-07	6.12E-08	4.01E-04	1.26E-07	5.37E-08
2639	490560.04, 3858810.04	3.67E-04	1.16E-07	4.91E-08	4.50E-04	1.42E-07	6.02E-08	3.94E-04	1.24E-07	5.28E-08
2640	490610.04, 3858810.04	3.61E-04	1.14E-07	4.83E-08	4.42E-04	1.39E-07	5.92E-08	3.88E-04	1.22E-07	5.19E-08
2641	490660.04, 3858810.04	3.55E-04	1.12E-07	4.75E-08	4.35E-04	1.37E-07	5.82E-08	3.81E-04	1.20E-07	5.11E-08
2642	490710.04, 3858810.04	3.49E-04	1.10E-07	4.68E-08	4.28E-04	1.35E-07	5.73E-08	3.75E-04	1.18E-07	5.03E-08
2643	490760.04, 3858810.04	3.43E-04	1.08E-07	4.60E-08	4.20E-04	1.33E-07	5.63E-08	3.69E-04	1.16E-07	4.94E-08
2644	490810.04, 3858810.04	3.39E-04	1.07E-07	4.54E-08	4.15E-04	1.31E-07	5.56E-08	3.64E-04	1.15E-07	4.87E-08
2645	490860.04, 3858810.04	3.33E-04	1.05E-07	4.47E-08	4.08E-04	1.29E-07	5.47E-08	3.58E-04	1.13E-07	4.80E-08
2646	490360.04, 3858860.04	3.76E-04	1.19E-07	5.04E-08	4.61E-04	1.45E-07	6.17E-08	4.04E-04	1.28E-07	5.41E-08
2647	490410.04, 3858860.04	3.70E-04	1.17E-07	4.96E-08	4.54E-04	1.43E-07	6.08E-08	3.98E-04	1.26E-07	5.33E-08
2648	490460.04, 3858860.04	3.64E-04	1.15E-07	4.87E-08	4.46E-04	1.41E-07	5.97E-08	3.91E-04	1.23E-07	5.24E-08
2649	490510.04, 3858860.04	3.59E-04	1.13E-07	4.81E-08	4.40E-04	1.39E-07	5.89E-08	3.86E-04	1.22E-07	5.16E-08
2650	490560.04, 3858860.04	3.53E-04	1.11E-07	4.73E-08	4.33E-04	1.37E-07	5.79E-08	3.79E-04	1.20E-07	5.08E-08
2651	490610.04, 3858860.04	3.47E-04	1.09E-07	4.64E-08	4.25E-04	1.34E-07	5.69E-08	3.73E-04	1.18E-07	4.99E-08
2652	490660.04, 3858860.04	3.42E-04	1.08E-07	4.57E-08	4.18E-04	1.32E-07	5.60E-08	3.67E-04	1.16E-07	4.91E-08
2653	490710.04, 3858860.04	3.37E-04	1.06E-07	4.51E-08	4.13E-04	1.30E-07	5.53E-08	3.62E-04	1.14E-07	4.85E-08
2654	490760.04, 3858860.04	3.31E-04	1.05E-07	4.44E-08	4.06E-04	1.28E-07	5.43E-08	3.56E-04	1.12E-07	4.76E-08
2655	490810.04, 3858860.04	3.26E-04	1.03E-07	4.36E-08	3.99E-04	1.26E-07	5.35E-08	3.50E-04	1.10E-07	4.69E-08
2656	490860.04, 3858860.04	3.21E-04	1.01E-07	4.29E-08	3.93E-04	1.24E-07	5.26E-08	3.44E-04	1.09E-07	4.61E-08
2657	490360.04, 3858910.04	3.61E-04	1.14E-07	4.83E-08	4.42E-04	1.39E-07	5.92E-08	3.88E-04	1.22E-07	5.19E-08
2658	490410.04, 3858910.04	3.55E-04	1.12E-07	4.76E-08	4.35E-04	1.37E-07	5.83E-08	3.82E-04	1.20E-07	5.11E-08
2659	490460.04, 3858910.04	3.50E-04	1.10E-07	4.68E-08	4.28E-04	1.35E-07	5.74E-08	3.76E-04	1.19E-07	5.03E-08
2660	490510.04, 3858910.04	3.44E-04	1.09E-07	4.61E-08	4.22E-04	1.33E-07	5.65E-08	3.70E-04	1.17E-07	4.95E-08
2661	490560.04, 3858910.04	3.39E-04	1.07E-07	4.54E-08	4.15E-04	1.31E-07	5.56E-08	3.64E-04	1.15E-07	4.87E-08
2662	490610.04, 3858910.04	3.33E-04	1.05E-07	4.46E-08	4.08E-04	1.29E-07	5.46E-08	3.58E-04	1.13E-07	4.79E-08
2663	490660.04, 3858910.04	3.28E-04	1.04E-07	4.40E-08	4.02E-04	1.27E-07	5.38E-08	3.53E-04	1.11E-07	4.72E-08
2664	490710.04, 3858910.04	3.23E-04	1.02E-07	4.33E-08	3.96E-04	1.25E-07	5.30E-08	3.47E-04	1.10E-07	4.65E-08
2665	490760.04, 3858910.04	3.18E-04	1.00E-07	4.25E-08	3.89E-04	1.23E-07	5.21E-08	3.41E-04	1.08E-07	4.57E-08
2666	490810.04, 3858910.04	3.13E-04	9.88E-08	4.19E-08	3.83E-04	1.21E-07	5.14E-08	3.36E-04	1.06E-07	4.50E-08
2667	490860.04, 3858910.04	3.08E-04	9.71E-08	4.12E-08	3.77E-04	1.19E-07	5.05E-08	3.30E-04	1.04E-07	4.43E-08
2668	490360.04, 3858960.04	3.45E-04	1.09E-07	4.62E-08	4.22E-04	1.33E-07	5.65E-08	3.70E-04	1.17E-07	4.96E-08
2669	490410.04, 3858960.04	3.40E-04	1.07E-07	4.55E-08	4.16E-04	1.31E-07	5.57E-08	3.65E-04	1.15E-07	4.89E-08
2670	490460.04, 3858960.04	3.34E-04	1.05E-07	4.48E-08	4.09E-04	1.29E-07	5.48E-08	3.59E-04	1.13E-07	4.81E-08
2671	490510.04, 3858960.04	3.29E-04	1.04E-07	4.41E-08	4.03E-04	1.27E-07	5.40E-08	3.54E-04	1.12E-07	4.74E-08
2672	490560.04, 3858960.04	3.24E-04	1.02E-07	4.34E-08	3.97E-04	1.25E-07	5.32E-08	3.49E-04	1.10E-07	4.67E-08
2673	490610.04, 3858960.04	3.19E-04	1.01E-07	4.27E-08	3.91E-04	1.23E-07	5.23E-08	3.43E-04	1.08E-07	4.59E-08
2674	490660.04, 3858960.04	3.15E-04	9.94E-08	4.22E-08	3.86E-04	1.22E-07	5.17E-08	3.38E-04	1.07E-07	4.53E-08
2675	490710.04, 3858960.04	3.10E-04	9.78E-08	4.15E-08	3.80E-04	1.20E-07	5.08E-08	3.33E-04	1.05E-07	4.46E-08
2676	490760.04, 3858960.04	3.05E-04	9.63E-08	4.08E-08	3.74E-04	1.18E-07	5.00E-08	3.28E-04	1.03E-07	4.39E-08
2677	490810.04, 3858960.04	3.00E-04	9.47E-08	4.02E-08	3.68E-04	1.16E-07	4.92E-08	3.22E-04	1.02E-07	4.32E-08
2678	490860.04, 3858960.04	2.95E-04	9.31E-08	3.95E-08	3.61E-04	1.14E-07	4.84E-08	3.17E-04	1.00E-07	4.24E-08
2679	490360.04, 3859010.04	3.29E-04	1.04E-07	4.40E-08	4.03E-04	1.27E-07	5.39E-08	3.53E-04	1.12E-07	4.73E-08
2680	490410.04, 3859010.04	3.24E-04	1.02E-07	4.34E-08	3.97E-04	1.25E-07	5.31E-08	3.48E-04	1.10E-07	4.66E-08
2681	490460.04, 3859010.04	3.19E-04	1.01E-07	4.27E-08	3.90E-04	1.23E-07	5.23E-08	3.42E-04	1.08E-07	4.59E-08
2682	490510.04, 3859010.04	3.13E-04	9.89E-08	4.20E-08	3.84E-04	1.21E-07	5.14E-08	3.37E-04	1.06E-07	4.51E-08
2683	490560.04, 3859010.04	3.10E-04	9.77E-08	4.15E-08	3.79E-04	1.20E-07	5.08E-08	3.33E-04	1.05E-07	4.46E-08
2684	490610.04, 3859010.04	3.05E-04	9.62E-08	4.08E-08	3.73E-04	1.18E-07	5.00E-08	3.27E-04	1.03E-07	4.38E-08

2685	490660.04, 3859010.04	3.01E-04	9.51E-08	4.04E-08	3.69E-04	1.17E-07	4.94E-08	3.24E-04	1.02E-07	4.34E-08
2686	490710.04, 3859010.04	2.96E-04	9.36E-08	3.97E-08	3.63E-04	1.15E-07	4.86E-08	3.18E-04	1.00E-07	4.26E-08
2687	490760.04, 3859010.04	2.92E-04	9.21E-08	3.91E-08	3.57E-04	1.13E-07	4.79E-08	3.13E-04	9.89E-08	4.20E-08
2688	490810.04, 3859010.04	2.87E-04	9.06E-08	3.84E-08	3.52E-04	1.11E-07	4.71E-08	3.08E-04	9.73E-08	4.13E-08
2689	490860.04, 3859010.04	2.83E-04	8.92E-08	3.79E-08	3.46E-04	1.09E-07	4.64E-08	3.04E-04	9.58E-08	4.07E-08
2690	490360.04, 3859060.04	3.13E-04	9.87E-08	4.19E-08	3.83E-04	1.21E-07	5.13E-08	3.36E-04	1.06E-07	4.50E-08
2691	490410.04, 3859060.04	3.08E-04	9.71E-08	4.12E-08	3.77E-04	1.19E-07	5.05E-08	3.31E-04	1.04E-07	4.43E-08
2692	490460.04, 3859060.04	3.03E-04	9.57E-08	4.06E-08	3.71E-04	1.17E-07	4.97E-08	3.26E-04	1.03E-07	4.36E-08
2693	490510.04, 3859060.04	2.99E-04	9.44E-08	4.01E-08	3.66E-04	1.16E-07	4.91E-08	3.21E-04	1.01E-07	4.30E-08
2694	490560.04, 3859060.04	2.94E-04	9.29E-08	3.94E-08	3.61E-04	1.14E-07	4.83E-08	3.16E-04	9.98E-08	4.24E-08
2695	490610.04, 3859060.04	2.91E-04	9.18E-08	3.89E-08	3.56E-04	1.12E-07	4.77E-08	3.12E-04	9.86E-08	4.18E-08
2696	490660.04, 3859060.04	2.87E-04	9.07E-08	3.85E-08	3.52E-04	1.11E-07	4.71E-08	3.09E-04	9.75E-08	4.13E-08
2697	490710.04, 3859060.04	2.83E-04	8.92E-08	3.79E-08	3.46E-04	1.09E-07	4.64E-08	3.04E-04	9.58E-08	4.07E-08
2698	490760.04, 3859060.04	2.78E-04	8.79E-08	3.73E-08	3.41E-04	1.08E-07	4.57E-08	2.99E-04	9.44E-08	4.00E-08
2699	490810.04, 3859060.04	2.74E-04	8.65E-08	3.67E-08	3.36E-04	1.06E-07	4.49E-08	2.94E-04	9.28E-08	3.94E-08
2700	490860.04, 3859060.04	2.70E-04	8.51E-08	3.61E-08	3.30E-04	1.04E-07	4.43E-08	2.90E-04	9.14E-08	3.88E-08
2701	490360.04, 3859110.04	2.98E-04	9.39E-08	3.99E-08	3.65E-04	1.15E-07	4.88E-08	3.20E-04	1.01E-07	4.28E-08
2702	490410.04, 3859110.04	2.93E-04	9.25E-08	3.93E-08	3.59E-04	1.13E-07	4.81E-08	3.15E-04	9.94E-08	4.22E-08
2703	490460.04, 3859110.04	2.90E-04	9.14E-08	3.88E-08	3.55E-04	1.12E-07	4.75E-08	3.11E-04	9.82E-08	4.17E-08
2704	490510.04, 3859110.04	2.84E-04	8.97E-08	3.81E-08	3.48E-04	1.10E-07	4.66E-08	3.05E-04	9.64E-08	4.09E-08
2705	490560.04, 3859110.04	2.80E-04	8.85E-08	3.76E-08	3.44E-04	1.08E-07	4.60E-08	3.01E-04	9.51E-08	4.03E-08
2706	490610.04, 3859110.04	2.76E-04	8.72E-08	3.70E-08	3.38E-04	1.07E-07	4.53E-08	2.97E-04	9.37E-08	3.98E-08
2707	490660.04, 3859110.04	2.72E-04	8.58E-08	3.64E-08	3.33E-04	1.05E-07	4.46E-08	2.92E-04	9.21E-08	3.91E-08
2708	490710.04, 3859110.04	2.69E-04	8.48E-08	3.60E-08	3.29E-04	1.04E-07	4.41E-08	2.89E-04	9.11E-08	3.86E-08
2709	490760.04, 3859110.04	2.65E-04	8.36E-08	3.55E-08	3.25E-04	1.02E-07	4.35E-08	2.85E-04	8.98E-08	3.81E-08
2710	490810.04, 3859110.04	2.61E-04	8.22E-08	3.49E-08	3.19E-04	1.01E-07	4.27E-08	2.80E-04	8.83E-08	3.75E-08
2711	490860.04, 3859110.04	2.56E-04	8.09E-08	3.43E-08	3.14E-04	9.91E-08	4.20E-08	2.75E-04	8.69E-08	3.69E-08
2712	490360.04, 3859160.04	2.83E-04	8.93E-08	3.79E-08	3.47E-04	1.09E-07	4.64E-08	3.04E-04	9.60E-08	4.07E-08
2713	490410.04, 3859160.04	2.79E-04	8.82E-08	3.74E-08	3.42E-04	1.08E-07	4.58E-08	3.00E-04	9.48E-08	4.02E-08
2714	490460.04, 3859160.04	2.76E-04	8.71E-08	3.69E-08	3.38E-04	1.07E-07	4.52E-08	2.96E-04	9.35E-08	3.97E-08
2715	490510.04, 3859160.04	2.72E-04	8.59E-08	3.64E-08	3.33E-04	1.05E-07	4.46E-08	2.92E-04	9.23E-08	3.91E-08
2716	490560.04, 3859160.04	2.68E-04	8.45E-08	3.58E-08	3.28E-04	1.03E-07	4.39E-08	2.88E-04	9.08E-08	3.85E-08
2717	490610.04, 3859160.04	2.64E-04	8.34E-08	3.54E-08	3.24E-04	1.02E-07	4.34E-08	2.84E-04	8.96E-08	3.80E-08
2718	490660.04, 3859160.04	2.58E-04	8.15E-08	3.46E-08	3.16E-04	9.98E-08	4.24E-08	2.77E-04	8.75E-08	3.71E-08
2719	490710.04, 3859160.04	2.55E-04	8.06E-08	3.42E-08	3.13E-04	9.87E-08	4.19E-08	2.74E-04	8.65E-08	3.67E-08
2720	490760.04, 3859160.04	2.50E-04	7.90E-08	3.35E-08	3.07E-04	9.68E-08	4.11E-08	2.69E-04	8.49E-08	3.60E-08
2721	490810.04, 3859160.04	2.47E-04	7.81E-08	3.31E-08	3.03E-04	9.57E-08	4.06E-08	2.66E-04	8.39E-08	3.56E-08
2722	490860.04, 3859160.04	2.44E-04	7.71E-08	3.27E-08	2.99E-04	9.44E-08	4.01E-08	2.62E-04	8.28E-08	3.51E-08
2723	490360.04, 3859210.04	2.69E-04	8.49E-08	3.60E-08	3.29E-04	1.04E-07	4.41E-08	2.89E-04	9.12E-08	3.87E-08
2724	490410.04, 3859210.04	2.67E-04	8.42E-08	3.57E-08	3.27E-04	1.03E-07	4.38E-08	2.87E-04	9.05E-08	3.84E-08
2725	490460.04, 3859210.04	2.63E-04	8.29E-08	3.52E-08	3.22E-04	1.02E-07	4.31E-08	2.82E-04	8.91E-08	3.78E-08
2726	490510.04, 3859210.04	2.59E-04	8.18E-08	3.47E-08	3.18E-04	1.00E-07	4.25E-08	2.79E-04	8.79E-08	3.73E-08
2727	490560.04, 3859210.04	2.57E-04	8.10E-08	3.44E-08	3.14E-04	9.92E-08	4.21E-08	2.76E-04	8.70E-08	3.69E-08
2728	490610.04, 3859210.04	2.53E-04	7.99E-08	3.39E-08	3.10E-04	9.78E-08	4.15E-08	2.72E-04	8.58E-08	3.64E-08
2729	490660.04, 3859210.04	2.48E-04	7.82E-08	3.32E-08	3.04E-04	9.58E-08	4.07E-08	2.66E-04	8.40E-08	3.57E-08
2730	490710.04, 3859210.04	2.45E-04	7.72E-08	3.28E-08	3.00E-04	9.46E-08	4.01E-08	2.63E-04	8.29E-08	3.52E-08
2731	490760.04, 3859210.04	2.40E-04	7.58E-08	3.21E-08	2.94E-04	9.28E-08	3.94E-08	2.58E-04	8.14E-08	3.45E-08
2732	490810.04, 3859210.04	2.39E-04	7.54E-08	3.20E-08	2.93E-04	9.23E-08	3.92E-08	2.57E-04	8.10E-08	3.43E-08
2733	490860.04, 3859210.04	2.37E-04	7.50E-08	3.18E-08	2.91E-04	9.18E-08	3.90E-08	2.55E-04	8.05E-08	3.41E-08
2734	490360.04, 3859260.04	2.55E-04	8.06E-08	3.42E-08	3.13E-04	9.88E-08	4.19E-08	2.75E-04	8.67E-08	3.68E-08
2735	490410.04, 3859260.04	2.53E-04	8.00E-08	3.39E-08	3.10E-04	9.80E-08	4.16E-08	2.72E-04	8.59E-08	3.65E-08
2736	490460.04, 3859260.04	2.51E-04	7.94E-08	3.37E-08	3.08E-04	9.72E-08	4.13E-08	2.70E-04	8.53E-08	3.62E-08
2737	490510.04, 3859260.04	2.50E-04	7.87E-08	3.34E-08	3.06E-04	9.65E-08	4.09E-08	2.68E-04	8.46E-08	3.59E-08
2738	490560.04, 3859260.04	2.47E-04	7.79E-08	3.30E-08	3.02E-04	9.54E-08	4.05E-08	2.65E-04	8.37E-08	3.55E-08
2739	490610.04, 3859260.04	2.43E-04	7.66E-08	3.25E-08	2.97E-04	9.39E-08	3.98E-08	2.61E-04	8.23E-08	3.49E-08
2740	490660.04, 3859260.04	2.42E-04	7.62E-08	3.23E-08	2.96E-04	9.34E-08	3.96E-08	2.59E-04	8.19E-08	3.47E-08
2741	490710.04, 3859260.04	2.39E-04	7.54E-08	3.20E-08	2.93E-04	9.24E-08	3.92E-08	2.57E-04	8.10E-08	3.44E-08
2742	490760.04, 3859260.04	2.35E-04	7.41E-08	3.14E-08	2.88E-04	9.07E-08	3.85E-08	2.52E-04	7.96E-08	3.38E-08
2743	490810.04, 3859260.04	2.33E-04	7.36E-08	3.12E-08	2.86E-04	9.01E-08	3.82E-08	2.50E-04	7.90E-08	3.35E-08
2744	490860.04, 3859260.04	2.32E-04	7.31E-08	3.10E-08	2.84E-04	8.95E-08	3.80E-08	2.49E-04	7.85E-08	3.33E-08
2745	490360.04, 3859310.04	2.44E-04	7.69E-08	3.26E-08	2.98E-04	9.42E-08	3.99E-08	2.62E-04	8.26E-08	3.51E-08
2746	490410.04, 3859310.04	2.42E-04	7.63E-08	3.24E-08	2.96E-04	9.35E-08	3.97E-08	2.60E-04	8.20E-08	3.48E-08
2747	490460.04, 3859310.04	2.40E-04	7.58E-08	3.22E-08	2.94E-04	9.29E-08	3.94E-08	2.58E-04	8.15E-08	3.46E-08
2748	490510.04, 3859310.04	2.39E-04	7.54E-08	3.20E-08	2.93E-04	9.23E-08	3.92E-08	2.57E-04	8.10E-08	3.44E-08

2749	490560.04, 3859310.04	2.37E-04	7.49E-08	3.18E-08	2.91E-04	9.17E-08	3.89E-08	2.55E-04	8.04E-08	3.41E-08
2750	490610.04, 3859310.04	2.36E-04	7.44E-08	3.16E-08	2.89E-04	9.12E-08	3.87E-08	2.53E-04	8.00E-08	3.39E-08
2751	490660.04, 3859310.04	2.34E-04	7.38E-08	3.13E-08	2.87E-04	9.05E-08	3.84E-08	2.51E-04	7.93E-08	3.37E-08
2752	490710.04, 3859310.04	2.31E-04	7.28E-08	3.09E-08	2.82E-04	8.91E-08	3.78E-08	2.48E-04	7.82E-08	3.32E-08
2753	490760.04, 3859310.04	2.28E-04	7.21E-08	3.06E-08	2.80E-04	8.83E-08	3.74E-08	2.45E-04	7.74E-08	3.28E-08
2754	490810.04, 3859310.04	2.27E-04	7.16E-08	3.04E-08	2.78E-04	8.77E-08	3.72E-08	2.44E-04	7.69E-08	3.26E-08
2755	490860.04, 3859310.04	2.25E-04	7.09E-08	3.01E-08	2.75E-04	8.68E-08	3.68E-08	2.41E-04	7.61E-08	3.23E-08
2756	490360.04, 3859360.04	2.32E-04	7.33E-08	3.11E-08	2.85E-04	8.98E-08	3.81E-08	2.50E-04	7.88E-08	3.34E-08
2757	490410.04, 3859360.04	2.31E-04	7.30E-08	3.10E-08	2.83E-04	8.94E-08	3.79E-08	2.49E-04	7.84E-08	3.33E-08
2758	490460.04, 3859360.04	2.30E-04	7.27E-08	3.08E-08	2.82E-04	8.90E-08	3.78E-08	2.47E-04	7.81E-08	3.31E-08
2759	490510.04, 3859360.04	2.29E-04	7.23E-08	3.07E-08	2.81E-04	8.86E-08	3.76E-08	2.46E-04	7.77E-08	3.30E-08
2760	490560.04, 3859360.04	2.28E-04	7.19E-08	3.05E-08	2.79E-04	8.80E-08	3.73E-08	2.45E-04	7.72E-08	3.28E-08
2761	490610.04, 3859360.04	2.26E-04	7.14E-08	3.03E-08	2.77E-04	8.74E-08	3.71E-08	2.43E-04	7.67E-08	3.25E-08
2762	490660.04, 3859360.04	2.25E-04	7.10E-08	3.01E-08	2.75E-04	8.69E-08	3.69E-08	2.42E-04	7.62E-08	3.23E-08
2763	490710.04, 3859360.04	2.23E-04	7.03E-08	2.98E-08	2.73E-04	8.62E-08	3.66E-08	2.39E-04	7.56E-08	3.21E-08
2764	490760.04, 3859360.04	2.21E-04	6.96E-08	2.95E-08	2.70E-04	8.53E-08	3.62E-08	2.37E-04	7.48E-08	3.17E-08
2765	490810.04, 3859360.04	2.20E-04	6.94E-08	2.94E-08	2.69E-04	8.50E-08	3.61E-08	2.36E-04	7.45E-08	3.16E-08
2766	490860.04, 3859360.04	2.18E-04	6.89E-08	2.92E-08	2.67E-04	8.44E-08	3.58E-08	2.34E-04	7.40E-08	3.14E-08
2767	490360.04, 3859410.04	2.22E-04	7.00E-08	2.97E-08	2.71E-04	8.57E-08	3.64E-08	2.38E-04	7.52E-08	3.19E-08
2768	490410.04, 3859410.04	2.21E-04	6.97E-08	2.96E-08	2.71E-04	8.54E-08	3.62E-08	2.37E-04	7.49E-08	3.18E-08
2769	490460.04, 3859410.04	2.20E-04	6.95E-08	2.95E-08	2.70E-04	8.51E-08	3.61E-08	2.37E-04	7.47E-08	3.17E-08
2770	490510.04, 3859410.04	2.19E-04	6.92E-08	2.94E-08	2.69E-04	8.48E-08	3.60E-08	2.36E-04	7.44E-08	3.16E-08
2771	490560.04, 3859410.04	2.18E-04	6.89E-08	2.92E-08	2.68E-04	8.44E-08	3.58E-08	2.35E-04	7.41E-08	3.14E-08
2772	490610.04, 3859410.04	2.18E-04	6.86E-08	2.91E-08	2.66E-04	8.41E-08	3.57E-08	2.34E-04	7.38E-08	3.13E-08
2773	490660.04, 3859410.04	2.16E-04	6.82E-08	2.89E-08	2.65E-04	8.36E-08	3.55E-08	2.32E-04	7.33E-08	3.11E-08
2774	490710.04, 3859410.04	2.15E-04	6.78E-08	2.88E-08	2.63E-04	8.30E-08	3.52E-08	2.31E-04	7.28E-08	3.09E-08
2775	490760.04, 3859410.04	2.13E-04	6.72E-08	2.85E-08	2.61E-04	8.23E-08	3.49E-08	2.29E-04	7.22E-08	3.06E-08
2776	490810.04, 3859410.04	2.12E-04	6.70E-08	2.84E-08	2.60E-04	8.20E-08	3.48E-08	2.28E-04	7.19E-08	3.05E-08
2777	490860.04, 3859410.04	2.12E-04	6.68E-08	2.84E-08	2.59E-04	8.19E-08	3.47E-08	2.27E-04	7.18E-08	3.05E-08
2778	490360.04, 3859460.04	2.11E-04	6.68E-08	2.83E-08	2.59E-04	8.18E-08	3.47E-08	2.27E-04	7.17E-08	3.04E-08
2779	490410.04, 3859460.04	2.11E-04	6.66E-08	2.83E-08	2.58E-04	8.16E-08	3.46E-08	2.27E-04	7.16E-08	3.04E-08
2780	490460.04, 3859460.04	2.10E-04	6.64E-08	2.82E-08	2.58E-04	8.13E-08	3.45E-08	2.26E-04	7.14E-08	3.03E-08
2781	490510.04, 3859460.04	2.10E-04	6.62E-08	2.81E-08	2.57E-04	8.11E-08	3.44E-08	2.25E-04	7.12E-08	3.02E-08
2782	490560.04, 3859460.04	2.09E-04	6.60E-08	2.80E-08	2.56E-04	8.09E-08	3.43E-08	2.25E-04	7.10E-08	3.01E-08
2783	490610.04, 3859460.04	2.09E-04	6.58E-08	2.79E-08	2.55E-04	8.06E-08	3.42E-08	2.24E-04	7.07E-08	3.00E-08
2784	490660.04, 3859460.04	2.08E-04	6.56E-08	2.78E-08	2.54E-04	8.03E-08	3.41E-08	2.23E-04	7.04E-08	2.99E-08
2785	490710.04, 3859460.04	2.07E-04	6.53E-08	2.77E-08	2.53E-04	8.00E-08	3.39E-08	2.22E-04	7.02E-08	2.98E-08
2786	490760.04, 3859460.04	2.06E-04	6.50E-08	2.76E-08	2.52E-04	7.96E-08	3.38E-08	2.21E-04	6.98E-08	2.96E-08
2787	490810.04, 3859460.04	2.05E-04	6.47E-08	2.75E-08	2.51E-04	7.93E-08	3.36E-08	2.20E-04	6.95E-08	2.95E-08
2788	490860.04, 3859460.04	2.04E-04	6.45E-08	2.74E-08	2.50E-04	7.90E-08	3.35E-08	2.20E-04	6.93E-08	2.94E-08
2789	490360.04, 3859510.04	2.02E-04	6.36E-08	2.70E-08	2.47E-04	7.79E-08	3.31E-08	2.17E-04	6.84E-08	2.90E-08
2790	490410.04, 3859510.04	2.01E-04	6.36E-08	2.70E-08	2.47E-04	7.79E-08	3.30E-08	2.16E-04	6.83E-08	2.90E-08
2791	490460.04, 3859510.04	2.01E-04	6.35E-08	2.69E-08	2.46E-04	7.78E-08	3.30E-08	2.16E-04	6.82E-08	2.89E-08
2792	490510.04, 3859510.04	2.01E-04	6.34E-08	2.69E-08	2.46E-04	7.76E-08	3.29E-08	2.16E-04	6.81E-08	2.89E-08
2793	490560.04, 3859510.04	2.00E-04	6.32E-08	2.68E-08	2.45E-04	7.75E-08	3.29E-08	2.15E-04	6.80E-08	2.88E-08
2794	490610.04, 3859510.04	2.00E-04	6.31E-08	2.68E-08	2.45E-04	7.73E-08	3.28E-08	2.15E-04	6.78E-08	2.88E-08
2795	490660.04, 3859510.04	1.99E-04	6.29E-08	2.67E-08	2.44E-04	7.71E-08	3.27E-08	2.14E-04	6.76E-08	2.87E-08
2796	490710.04, 3859510.04	1.99E-04	6.28E-08	2.66E-08	2.44E-04	7.69E-08	3.26E-08	2.14E-04	6.74E-08	2.86E-08
2797	490760.04, 3859510.04	1.98E-04	6.26E-08	2.65E-08	2.43E-04	7.66E-08	3.25E-08	2.13E-04	6.72E-08	2.85E-08
2798	490810.04, 3859510.04	1.98E-04	6.24E-08	2.65E-08	2.42E-04	7.64E-08	3.24E-08	2.12E-04	6.70E-08	2.84E-08
2799	490860.04, 3859510.04	1.97E-04	6.22E-08	2.64E-08	2.41E-04	7.62E-08	3.23E-08	2.12E-04	6.68E-08	2.83E-08
2800	490360.04, 3859560.04	1.92E-04	6.07E-08	2.57E-08	2.35E-04	7.43E-08	3.15E-08	2.07E-04	6.52E-08	2.77E-08
2801	490410.04, 3859560.04	1.92E-04	6.06E-08	2.57E-08	2.35E-04	7.43E-08	3.15E-08	2.06E-04	6.52E-08	2.76E-08
2802	490460.04, 3859560.04	1.92E-04	6.06E-08	2.57E-08	2.35E-04	7.43E-08	3.15E-08	2.06E-04	6.51E-08	2.76E-08
2803	490510.04, 3859560.04	1.92E-04	6.07E-08	2.57E-08	2.35E-04	7.43E-08	3.15E-08	2.07E-04	6.52E-08	2.77E-08
2804	490560.04, 3859560.04	1.92E-04	6.06E-08	2.57E-08	2.35E-04	7.42E-08	3.15E-08	2.06E-04	6.51E-08	2.76E-08
2805	490610.04, 3859560.04	1.92E-04	6.05E-08	2.57E-08	2.35E-04	7.41E-08	3.14E-08	2.06E-04	6.50E-08	2.76E-08
2806	490660.04, 3859560.04	1.91E-04	6.04E-08	2.56E-08	2.34E-04	7.40E-08	3.14E-08	2.06E-04	6.49E-08	2.75E-08
2807	490710.04, 3859560.04	1.91E-04	6.03E-08	2.56E-08	2.34E-04	7.39E-08	3.13E-08	2.05E-04	6.48E-08	2.75E-08
2808	490760.04, 3859560.04	1.91E-04	6.02E-08	2.55E-08	2.33E-04	7.37E-08	3.13E-08	2.05E-04	6.46E-08	2.74E-08
2809	490810.04, 3859560.04	1.90E-04	6.00E-08	2.55E-08	2.33E-04	7.35E-08	3.12E-08	2.04E-04	6.45E-08	2.73E-08
2810	490860.04, 3859560.04	1.90E-04	5.98E-08	2.54E-08	2.32E-04	7.33E-08	3.11E-08	2.04E-04	6.43E-08	2.73E-08
2811	490187.25, 3859422.08	2.21E-04	6.97E-08	2.96E-08	2.71E-04	8.54E-08	3.62E-08	2.37E-04	7.49E-08	3.18E-08
2812	490237.25, 3859422.08	2.21E-04	6.96E-08	2.95E-08	2.70E-04	8.53E-08	3.62E-08	2.37E-04	7.48E-08	3.17E-08

2813	490287.25, 3859422.08	2.20E-04	6.95E-08	2.95E-08	2.70E-04	8.51E-08	3.61E-08	2.37E-04	7.47E-08	3.17E-08
2814	490337.25, 3859422.08	2.19E-04	6.93E-08	2.94E-08	2.69E-04	8.48E-08	3.60E-08	2.36E-04	7.44E-08	3.16E-08
2815	490187.25, 3859472.08	2.10E-04	6.63E-08	2.81E-08	2.57E-04	8.12E-08	3.44E-08	2.26E-04	7.12E-08	3.02E-08
2816	490237.25, 3859472.08	2.10E-04	6.62E-08	2.81E-08	2.57E-04	8.11E-08	3.44E-08	2.25E-04	7.11E-08	3.02E-08
2817	490287.25, 3859472.08	2.10E-04	6.61E-08	2.81E-08	2.57E-04	8.10E-08	3.44E-08	2.25E-04	7.11E-08	3.02E-08
2818	490337.25, 3859472.08	2.09E-04	6.60E-08	2.80E-08	2.56E-04	8.09E-08	3.43E-08	2.25E-04	7.10E-08	3.01E-08
2819	490297.07, 3859500.42	2.04E-04	6.43E-08	2.73E-08	2.50E-04	7.88E-08	3.34E-08	2.19E-04	6.91E-08	2.93E-08
2820	490327.07, 3859500.42	2.03E-04	6.42E-08	2.72E-08	2.49E-04	7.87E-08	3.34E-08	2.19E-04	6.90E-08	2.93E-08
2821	490297.07, 3859530.42	1.98E-04	6.24E-08	2.65E-08	2.42E-04	7.65E-08	3.24E-08	2.13E-04	6.71E-08	2.85E-08
2822	490327.07, 3859530.42	1.98E-04	6.24E-08	2.65E-08	2.42E-04	7.64E-08	3.24E-08	2.12E-04	6.71E-08	2.85E-08
2823	490319.73, 3859055.34	3.18E-04	1.00E-07	4.26E-08	3.90E-04	1.23E-07	5.22E-08	3.42E-04	1.08E-07	4.58E-08
2824	490319.73, 3859105.34	3.02E-04	9.54E-08	4.05E-08	3.70E-04	1.17E-07	4.96E-08	3.25E-04	1.03E-07	4.35E-08
2825	490069.73, 3859155.34	3.00E-04	9.47E-08	4.02E-08	3.67E-04	1.16E-07	4.92E-08	3.22E-04	1.02E-07	4.32E-08
2826	490119.73, 3859155.34	2.97E-04	9.38E-08	3.98E-08	3.64E-04	1.15E-07	4.88E-08	3.20E-04	1.01E-07	4.28E-08
2827	490269.73, 3859155.34	2.90E-04	9.15E-08	3.88E-08	3.55E-04	1.12E-07	4.76E-08	3.12E-04	9.84E-08	4.17E-08
2828	490319.73, 3859155.34	2.87E-04	9.06E-08	3.84E-08	3.52E-04	1.11E-07	4.71E-08	3.09E-04	9.74E-08	4.13E-08
2829	490069.73, 3859205.34	2.83E-04	8.92E-08	3.79E-08	3.46E-04	1.09E-07	4.64E-08	3.04E-04	9.59E-08	4.07E-08
2830	490119.73, 3859205.34	2.81E-04	8.86E-08	3.76E-08	3.44E-04	1.08E-07	4.60E-08	3.02E-04	9.52E-08	4.04E-08
2831	490169.73, 3859205.34	2.79E-04	8.80E-08	3.73E-08	3.41E-04	1.08E-07	4.57E-08	3.00E-04	9.46E-08	4.01E-08
2832	490219.73, 3859205.34	2.77E-04	8.73E-08	3.71E-08	3.39E-04	1.07E-07	4.54E-08	2.97E-04	9.39E-08	3.98E-08
2833	490269.73, 3859205.34	2.74E-04	8.66E-08	3.67E-08	3.36E-04	1.06E-07	4.50E-08	2.95E-04	9.31E-08	3.95E-08
2834	490319.73, 3859205.34	2.72E-04	8.59E-08	3.65E-08	3.34E-04	1.05E-07	4.47E-08	2.93E-04	9.24E-08	3.92E-08
2835	490069.73, 3859255.34	2.67E-04	8.43E-08	3.58E-08	3.27E-04	1.03E-07	4.38E-08	2.87E-04	9.06E-08	3.84E-08
2836	490119.73, 3859255.34	2.65E-04	8.37E-08	3.55E-08	3.25E-04	1.03E-07	4.35E-08	2.85E-04	9.00E-08	3.82E-08
2837	490169.73, 3859255.34	2.64E-04	8.32E-08	3.53E-08	3.23E-04	1.02E-07	4.32E-08	2.83E-04	8.94E-08	3.79E-08
2838	490219.73, 3859255.34	2.62E-04	8.27E-08	3.51E-08	3.21E-04	1.01E-07	4.30E-08	2.82E-04	8.89E-08	3.77E-08
2839	490269.73, 3859255.34	2.60E-04	8.22E-08	3.49E-08	3.19E-04	1.01E-07	4.27E-08	2.80E-04	8.83E-08	3.75E-08
2840	490319.73, 3859255.34	2.59E-04	8.16E-08	3.46E-08	3.17E-04	1.00E-07	4.24E-08	2.78E-04	8.78E-08	3.72E-08
2841	490069.73, 3859305.34	2.53E-04	7.97E-08	3.38E-08	3.09E-04	9.77E-08	4.14E-08	2.72E-04	8.57E-08	3.64E-08
2842	490119.73, 3859305.34	2.51E-04	7.93E-08	3.36E-08	3.08E-04	9.71E-08	4.12E-08	2.70E-04	8.52E-08	3.62E-08
2843	490169.73, 3859305.34	2.50E-04	7.89E-08	3.35E-08	3.06E-04	9.66E-08	4.10E-08	2.69E-04	8.48E-08	3.60E-08
2844	490219.73, 3859305.34	2.49E-04	7.85E-08	3.33E-08	3.05E-04	9.61E-08	4.08E-08	2.67E-04	8.43E-08	3.58E-08
2845	490269.73, 3859305.34	2.47E-04	7.81E-08	3.31E-08	3.03E-04	9.56E-08	4.06E-08	2.66E-04	8.39E-08	3.56E-08
2846	490319.73, 3859305.34	2.46E-04	7.76E-08	3.29E-08	3.01E-04	9.51E-08	4.03E-08	2.64E-04	8.34E-08	3.54E-08
2847	490069.73, 3859355.34	2.39E-04	7.54E-08	3.20E-08	2.93E-04	9.24E-08	3.92E-08	2.57E-04	8.11E-08	3.44E-08
2848	490119.73, 3859355.34	2.38E-04	7.51E-08	3.18E-08	2.91E-04	9.19E-08	3.90E-08	2.56E-04	8.07E-08	3.42E-08
2849	490169.73, 3859355.34	2.37E-04	7.48E-08	3.17E-08	2.90E-04	9.16E-08	3.89E-08	2.55E-04	8.04E-08	3.41E-08
2850	490219.73, 3859355.34	2.36E-04	7.45E-08	3.16E-08	2.89E-04	9.13E-08	3.87E-08	2.54E-04	8.01E-08	3.40E-08
2851	490269.73, 3859355.34	2.35E-04	7.42E-08	3.15E-08	2.88E-04	9.09E-08	3.86E-08	2.53E-04	7.98E-08	3.39E-08
2852	490319.73, 3859355.34	2.34E-04	7.39E-08	3.14E-08	2.87E-04	9.06E-08	3.84E-08	2.52E-04	7.95E-08	3.37E-08
2853	490069.73, 3859405.34	2.26E-04	7.14E-08	3.03E-08	2.77E-04	8.74E-08	3.71E-08	2.43E-04	7.67E-08	3.26E-08
2854	490119.73, 3859405.34	2.25E-04	7.12E-08	3.02E-08	2.76E-04	8.72E-08	3.70E-08	2.42E-04	7.65E-08	3.25E-08
2855	490169.73, 3859405.34	2.25E-04	7.10E-08	3.01E-08	2.76E-04	8.70E-08	3.69E-08	2.42E-04	7.63E-08	3.24E-08
2856	490219.73, 3859405.34	2.24E-04	7.08E-08	3.01E-08	2.75E-04	8.68E-08	3.68E-08	2.41E-04	7.62E-08	3.23E-08
2857	490269.73, 3859405.34	2.24E-04	7.07E-08	3.00E-08	2.74E-04	8.66E-08	3.67E-08	2.41E-04	7.60E-08	3.22E-08
2858	490319.73, 3859405.34	2.23E-04	7.05E-08	2.99E-08	2.73E-04	8.63E-08	3.66E-08	2.40E-04	7.57E-08	3.21E-08
2859	490161.89, 3859541.83	1.96E-04	6.18E-08	2.62E-08	2.40E-04	7.57E-08	3.21E-08	2.11E-04	6.64E-08	2.82E-08
2860	490171.89, 3859541.83	1.96E-04	6.18E-08	2.62E-08	2.40E-04	7.57E-08	3.21E-08	2.11E-04	6.64E-08	2.82E-08
2861	490161.89, 3859551.83	1.94E-04	6.12E-08	2.60E-08	2.38E-04	7.50E-08	3.18E-08	2.08E-04	6.58E-08	2.79E-08
2862	490171.89, 3859551.83	1.94E-04	6.12E-08	2.60E-08	2.38E-04	7.50E-08	3.18E-08	2.08E-04	6.58E-08	2.79E-08
2863	489799.72, 3859348.21	2.45E-04	7.74E-08	3.28E-08	3.00E-04	9.48E-08	4.02E-08	2.64E-04	8.32E-08	3.53E-08
2864	489819.72, 3859348.21	2.45E-04	7.73E-08	3.28E-08	3.00E-04	9.47E-08	4.02E-08	2.63E-04	8.31E-08	3.53E-08
2865	489799.72, 3859368.21	2.39E-04	7.54E-08	3.20E-08	2.93E-04	9.24E-08	3.92E-08	2.57E-04	8.11E-08	3.44E-08
2866	489819.72, 3859368.21	2.39E-04	7.54E-08	3.20E-08	2.93E-04	9.24E-08	3.92E-08	2.57E-04	8.11E-08	3.44E-08
2867	489775.41, 3859329.72	2.51E-04	7.92E-08	3.36E-08	3.08E-04	9.71E-08	4.12E-08	2.70E-04	8.52E-08	3.62E-08
2868	489795.41, 3859329.72	2.51E-04	7.92E-08	3.36E-08	3.07E-04	9.70E-08	4.11E-08	2.70E-04	8.51E-08	3.61E-08
2869	489775.41, 3859349.72	2.45E-04	7.73E-08	3.28E-08	3.00E-04	9.46E-08	4.02E-08	2.63E-04	8.31E-08	3.52E-08
2870	489795.41, 3859349.72	2.45E-04	7.72E-08	3.28E-08	3.00E-04	9.46E-08	4.01E-08	2.63E-04	8.30E-08	3.52E-08
2871	489595.05, 3859219.43	2.97E-04	9.36E-08	3.97E-08	3.63E-04	1.15E-07	4.87E-08	3.19E-04	1.01E-07	4.27E-08
2872	489615.05, 3859219.43	2.96E-04	9.35E-08	3.97E-08	3.63E-04	1.15E-07	4.86E-08	3.19E-04	1.01E-07	4.27E-08
2873	489595.05, 3859239.43	2.87E-04	9.07E-08	3.85E-08	3.52E-04	1.11E-07	4.71E-08	3.09E-04	9.75E-08	4.14E-08
2874	489615.05, 3859239.43	2.87E-04	9.06E-08	3.85E-08	3.52E-04	1.11E-07	4.71E-08	3.09E-04	9.75E-08	4.14E-08
2875	489372.4, 3859092.58	3.87E-04	1.22E-07	5.18E-08	4.74E-04	1.50E-07	6.35E-08	4.16E-04	1.31E-07	5.58E-08
2876	489422.4, 3859092.58	3.83E-04	1.21E-07	5.13E-08	4.69E-04	1.48E-07	6.28E-08	4.12E-04	1.30E-07	5.52E-08

2877	489372.4, 3859142.58	3.46E-04	1.09E-07	4.63E-08	4.24E-04	1.34E-07	5.68E-08	3.72E-04	1.18E-07	4.99E-08
2878	489422.4, 3859142.58	3.45E-04	1.09E-07	4.62E-08	4.23E-04	1.33E-07	5.66E-08	3.71E-04	1.17E-07	4.97E-08
2879	488870.84, 3858666.64	1.49E-03	4.70E-07	1.99E-07	1.82E-03	5.76E-07	2.44E-07	1.61E-03	5.07E-07	2.15E-07
2880	488900.84, 3858666.64	1.40E-03	4.41E-07	1.87E-07	1.71E-03	5.41E-07	2.29E-07	1.51E-03	4.76E-07	2.02E-07
2881	488870.84, 3858696.64	1.61E-03	5.09E-07	2.16E-07	1.98E-03	6.24E-07	2.65E-07	1.74E-03	5.49E-07	2.33E-07
2882	488900.84, 3858696.64	1.50E-03	4.74E-07	2.01E-07	1.84E-03	5.81E-07	2.46E-07	1.62E-03	5.12E-07	2.17E-07
2883	488889.67, 3858683.97	1.49E-03	4.71E-07	2.00E-07	1.83E-03	5.77E-07	2.45E-07	1.61E-03	5.08E-07	2.15E-07
2884	488919.67, 3858683.97	1.40E-03	4.42E-07	1.87E-07	1.72E-03	5.41E-07	2.30E-07	1.51E-03	4.77E-07	2.02E-07
2885	488889.67, 3858713.97	1.62E-03	5.11E-07	2.17E-07	1.98E-03	6.26E-07	2.65E-07	1.75E-03	5.51E-07	2.34E-07
2886	488919.67, 3858713.97	1.50E-03	4.75E-07	2.01E-07	1.84E-03	5.82E-07	2.47E-07	1.62E-03	5.12E-07	2.17E-07
2887	488906.61, 3858703.33	1.51E-03	4.76E-07	2.02E-07	1.85E-03	5.83E-07	2.47E-07	1.63E-03	5.14E-07	2.18E-07
2888	488936.61, 3858703.33	1.41E-03	4.46E-07	1.89E-07	1.73E-03	5.46E-07	2.32E-07	1.52E-03	4.81E-07	2.04E-07
2889	488906.61, 3858733.33	1.64E-03	5.17E-07	2.19E-07	2.01E-03	6.33E-07	2.69E-07	1.77E-03	5.57E-07	2.37E-07
2890	488936.61, 3858733.33	1.52E-03	4.79E-07	2.03E-07	1.86E-03	5.87E-07	2.49E-07	1.64E-03	5.17E-07	2.19E-07
2891	488637.63, 3858467.85	1.48E-03	4.68E-07	1.99E-07	1.82E-03	5.74E-07	2.44E-07	1.60E-03	5.05E-07	2.14E-07
2892	488662.63, 3858467.85	1.42E-03	4.48E-07	1.90E-07	1.74E-03	5.49E-07	2.33E-07	1.53E-03	4.84E-07	2.05E-07
2893	488637.63, 3858492.85	1.57E-03	4.97E-07	2.11E-07	1.93E-03	6.08E-07	2.58E-07	1.70E-03	5.36E-07	2.27E-07
2894	488662.63, 3858492.85	1.50E-03	4.73E-07	2.01E-07	1.84E-03	5.79E-07	2.46E-07	1.62E-03	5.10E-07	2.16E-07
2895	488687.63, 3858492.85	1.43E-03	4.52E-07	1.92E-07	1.75E-03	5.54E-07	2.35E-07	1.54E-03	4.87E-07	2.07E-07
2896	488637.63, 3858517.85	1.68E-03	5.31E-07	2.25E-07	2.06E-03	6.50E-07	2.76E-07	1.81E-03	5.73E-07	2.43E-07
2897	488662.63, 3858517.85	1.59E-03	5.03E-07	2.13E-07	1.95E-03	6.16E-07	2.61E-07	1.72E-03	5.42E-07	2.30E-07
2898	488687.63, 3858517.85	1.51E-03	4.78E-07	2.03E-07	1.85E-03	5.85E-07	2.48E-07	1.63E-03	5.15E-07	2.19E-07
2899	488194.42, 3857168.98	1.70E-03	5.38E-07	2.28E-07	2.09E-03	6.59E-07	2.80E-07	1.81E-03	5.72E-07	2.43E-07
2900	488244.42, 3857168.98	1.64E-03	5.19E-07	2.20E-07	2.01E-03	6.35E-07	2.69E-07	1.75E-03	5.52E-07	2.34E-07
2901	488294.42, 3857168.98	1.59E-03	5.01E-07	2.13E-07	1.95E-03	6.14E-07	2.61E-07	1.69E-03	5.34E-07	2.27E-07
2902	488244.42, 3857218.98	1.67E-03	5.26E-07	2.23E-07	2.04E-03	6.45E-07	2.74E-07	1.77E-03	5.60E-07	2.38E-07
2903	488294.42, 3857218.98	1.61E-03	5.08E-07	2.16E-07	1.97E-03	6.22E-07	2.64E-07	1.71E-03	5.41E-07	2.29E-07
2904	488294.42, 3857268.98	1.63E-03	5.14E-07	2.18E-07	1.99E-03	6.29E-07	2.67E-07	1.73E-03	5.47E-07	2.32E-07
2905	488139.13, 3857111.68	1.74E-03	5.49E-07	2.33E-07	2.13E-03	6.72E-07	2.85E-07	1.85E-03	5.84E-07	2.48E-07
2906	488189.13, 3857111.68	1.68E-03	5.29E-07	2.24E-07	2.05E-03	6.48E-07	2.75E-07	1.79E-03	5.64E-07	2.39E-07
2907	488189.13, 3857161.68	1.71E-03	5.39E-07	2.29E-07	2.09E-03	6.60E-07	2.80E-07	1.82E-03	5.73E-07	2.43E-07
2908	487951.04, 3856961.26	1.88E-03	5.93E-07	2.52E-07	2.30E-03	7.26E-07	3.08E-07	2.01E-03	6.35E-07	2.69E-07
2909	488001.04, 3856961.26	1.81E-03	5.73E-07	2.43E-07	2.22E-03	7.01E-07	2.98E-07	1.94E-03	6.13E-07	2.60E-07
2910	488051.04, 3856961.26	1.76E-03	5.55E-07	2.35E-07	2.15E-03	6.79E-07	2.88E-07	1.88E-03	5.93E-07	2.52E-07
2911	488101.04, 3856961.26	1.70E-03	5.35E-07	2.27E-07	2.08E-03	6.55E-07	2.78E-07	1.81E-03	5.72E-07	2.43E-07
2912	487951.04, 3857011.26	1.91E-03	6.02E-07	2.55E-07	2.34E-03	7.37E-07	3.13E-07	2.04E-03	6.43E-07	2.73E-07
2913	488001.04, 3857011.26	1.85E-03	5.83E-07	2.47E-07	2.26E-03	7.13E-07	3.03E-07	1.97E-03	6.22E-07	2.64E-07
2914	488051.04, 3857011.26	1.79E-03	5.64E-07	2.39E-07	2.19E-03	6.90E-07	2.93E-07	1.91E-03	6.02E-07	2.56E-07
2915	488101.04, 3857011.26	1.72E-03	5.44E-07	2.31E-07	2.11E-03	6.66E-07	2.82E-07	1.84E-03	5.81E-07	2.46E-07
2916	488001.04, 3857061.26	1.88E-03	5.93E-07	2.51E-07	2.30E-03	7.26E-07	3.08E-07	2.00E-03	6.32E-07	2.68E-07
2917	488051.04, 3857061.26	1.81E-03	5.72E-07	2.43E-07	2.22E-03	7.01E-07	2.97E-07	1.93E-03	6.10E-07	2.59E-07
2918	488101.04, 3857061.26	1.75E-03	5.53E-07	2.34E-07	2.14E-03	6.77E-07	2.87E-07	1.87E-03	5.89E-07	2.50E-07
2919	487638.98, 3856673.79	2.10E-03	6.64E-07	2.82E-07	2.58E-03	8.13E-07	3.45E-07	2.27E-03	7.15E-07	3.03E-07
2920	487688.98, 3856673.79	2.03E-03	6.39E-07	2.71E-07	2.48E-03	7.83E-07	3.32E-07	2.18E-03	6.89E-07	2.92E-07
2921	487638.98, 3856723.79	2.17E-03	6.85E-07	2.90E-07	2.66E-03	8.38E-07	3.56E-07	2.34E-03	7.37E-07	3.13E-07
2922	487688.98, 3856723.79	2.09E-03	6.58E-07	2.79E-07	2.55E-03	8.06E-07	3.42E-07	2.25E-03	7.09E-07	3.01E-07
2923	486324.61, 3855740.57	2.25E-03	7.10E-07	3.01E-07	2.76E-03	8.70E-07	3.69E-07	2.42E-03	7.65E-07	3.25E-07
2924	486374.61, 3855740.57	2.10E-03	6.63E-07	2.81E-07	2.57E-03	8.12E-07	3.45E-07	2.26E-03	7.15E-07	3.03E-07
2925	486424.61, 3855740.57	2.01E-03	6.34E-07	2.69E-07	2.46E-03	7.77E-07	3.30E-07	2.17E-03	6.83E-07	2.90E-07
2926	486324.61, 3855790.57	2.36E-03	7.46E-07	3.17E-07	2.90E-03	9.14E-07	3.88E-07	2.55E-03	8.05E-07	3.41E-07
2927	486374.61, 3855790.57	2.21E-03	6.98E-07	2.96E-07	2.71E-03	8.55E-07	3.63E-07	2.38E-03	7.53E-07	3.19E-07
2928	486424.61, 3855790.57	2.13E-03	6.73E-07	2.85E-07	2.61E-03	8.24E-07	3.50E-07	2.30E-03	7.25E-07	3.08E-07
2929	486324.61, 3855840.57	2.49E-03	7.86E-07	3.33E-07	3.05E-03	9.62E-07	4.08E-07	2.68E-03	8.47E-07	3.59E-07
2930	486374.61, 3855840.57	2.38E-03	7.51E-07	3.19E-07	2.91E-03	9.20E-07	3.90E-07	2.57E-03	8.10E-07	3.44E-07
2931	486424.61, 3855840.57	2.27E-03	7.15E-07	3.03E-07	2.77E-03	8.76E-07	3.72E-07	2.44E-03	7.71E-07	3.27E-07
2932	486324.61, 3855890.57	2.69E-03	8.49E-07	3.60E-07	3.30E-03	1.04E-06	4.41E-07	2.90E-03	9.16E-07	3.89E-07
2933	486374.61, 3855890.57	2.56E-03	8.07E-07	3.42E-07	3.13E-03	9.88E-07	4.19E-07	2.76E-03	8.70E-07	3.69E-07
2934	486424.61, 3855890.57	2.42E-03	7.64E-07	3.24E-07	2.96E-03	9.35E-07	3.97E-07	2.61E-03	8.24E-07	3.49E-07
2935	488735.69, 3858285.64	1.06E-03	3.33E-07	1.41E-07	1.29E-03	4.08E-07	1.73E-07	1.14E-03	3.59E-07	1.52E-07
2936	488765.69, 3858285.64	1.03E-03	3.25E-07	1.38E-07	1.26E-03	3.98E-07	1.69E-07	1.11E-03	3.50E-07	1.48E-07
2937	488735.69, 3858315.64	1.08E-03	3.39E-07	1.44E-07	1.32E-03	4.16E-07	1.76E-07	1.16E-03	3.65E-07	1.55E-07
2938	488765.69, 3858315.64	1.05E-03	3.31E-07	1.40E-07	1.28E-03	4.05E-07	1.72E-07	1.13E-03	3.56E-07	1.51E-07
2939	478676.63, 3849871.93	2.61E-05	8.24E-09	3.50E-09	3.20E-05	1.01E-08	4.28E-09	2.81E-05	8.86E-09	3.76E-09
2940	479326.63, 3849871.93	3.21E-05	1.01E-08	4.30E-09	3.94E-05	1.24E-08	5.27E-09	3.45E-05	1.09E-08	4.62E-09

2941	479376.63, 3849871.93	3.24E-05	1.02E-08	4.34E-09	3.97E-05	1.25E-08	5.32E-09	3.48E-05	1.10E-08	4.67E-09
2942	479426.63, 3849871.93	3.28E-05	1.04E-08	4.39E-09	4.02E-05	1.27E-08	5.38E-09	3.52E-05	1.11E-08	4.72E-09
2943	478726.63, 3849921.93	2.66E-05	8.39E-09	3.56E-09	3.26E-05	1.03E-08	4.36E-09	2.86E-05	9.02E-09	3.83E-09
2944	478776.63, 3849921.93	2.71E-05	8.54E-09	3.62E-09	3.32E-05	1.05E-08	4.44E-09	2.91E-05	9.18E-09	3.89E-09
2945	478826.63, 3849921.93	2.75E-05	8.69E-09	3.69E-09	3.37E-05	1.07E-08	4.52E-09	2.96E-05	9.34E-09	3.96E-09
2946	478976.63, 3849921.93	2.90E-05	9.16E-09	3.89E-09	3.56E-05	1.12E-08	4.76E-09	3.12E-05	9.85E-09	4.18E-09
2947	479026.63, 3849921.93	2.97E-05	9.38E-09	3.98E-09	3.64E-05	1.15E-08	4.88E-09	3.19E-05	1.01E-08	4.28E-09
2948	479076.63, 3849921.93	3.03E-05	9.56E-09	4.06E-09	3.71E-05	1.17E-08	4.97E-09	3.25E-05	1.03E-08	4.36E-09
2949	479126.63, 3849921.93	3.08E-05	9.73E-09	4.13E-09	3.77E-05	1.19E-08	5.06E-09	3.31E-05	1.04E-08	4.43E-09
2950	479176.63, 3849921.93	3.14E-05	9.91E-09	4.21E-09	3.85E-05	1.21E-08	5.15E-09	3.37E-05	1.07E-08	4.52E-09
2951	479226.63, 3849921.93	3.17E-05	1.00E-08	4.25E-09	3.89E-05	1.23E-08	5.20E-09	3.41E-05	1.08E-08	4.56E-09
2952	479276.63, 3849921.93	3.17E-05	1.00E-08	4.25E-09	3.89E-05	1.23E-08	5.21E-09	3.41E-05	1.08E-08	4.57E-09
2953	479326.63, 3849921.93	3.27E-05	1.03E-08	4.38E-09	4.01E-05	1.26E-08	5.36E-09	3.51E-05	1.11E-08	4.70E-09
2954	479376.63, 3849921.93	3.27E-05	1.03E-08	4.37E-09	4.00E-05	1.26E-08	5.36E-09	3.51E-05	1.11E-08	4.70E-09
2955	479426.63, 3849921.93	3.33E-05	1.05E-08	4.46E-09	4.08E-05	1.29E-08	5.47E-09	3.58E-05	1.13E-08	4.80E-09
2956	478726.63, 3849971.93	2.66E-05	8.39E-09	3.56E-09	3.26E-05	1.03E-08	4.36E-09	2.86E-05	9.01E-09	3.82E-09
2957	478776.63, 3849971.93	2.70E-05	8.53E-09	3.62E-09	3.31E-05	1.05E-08	4.43E-09	2.91E-05	9.17E-09	3.89E-09
2958	478826.63, 3849971.93	2.75E-05	8.68E-09	3.68E-09	3.37E-05	1.06E-08	4.51E-09	2.95E-05	9.33E-09	3.96E-09
2959	478976.63, 3849971.93	2.92E-05	9.22E-09	3.91E-09	3.58E-05	1.13E-08	4.79E-09	3.14E-05	9.91E-09	4.20E-09
2960	479026.63, 3849971.93	2.97E-05	9.38E-09	3.98E-09	3.64E-05	1.15E-08	4.87E-09	3.19E-05	1.01E-08	4.28E-09
2961	479076.63, 3849971.93	3.02E-05	9.54E-09	4.05E-09	3.70E-05	1.17E-08	4.96E-09	3.25E-05	1.02E-08	4.35E-09
2962	479126.63, 3849971.93	3.08E-05	9.72E-09	4.12E-09	3.77E-05	1.19E-08	5.05E-09	3.31E-05	1.04E-08	4.43E-09
2963	479176.63, 3849971.93	3.14E-05	9.90E-09	4.20E-09	3.84E-05	1.21E-08	5.14E-09	3.37E-05	1.06E-08	4.51E-09
2964	479226.63, 3849971.93	3.13E-05	9.87E-09	4.19E-09	3.83E-05	1.21E-08	5.13E-09	3.36E-05	1.06E-08	4.50E-09
2965	479276.63, 3849971.93	3.22E-05	1.02E-08	4.32E-09	3.95E-05	1.25E-08	5.29E-09	3.46E-05	1.09E-08	4.64E-09
2966	479326.63, 3849971.93	3.30E-05	1.04E-08	4.42E-09	4.04E-05	1.28E-08	5.41E-09	3.54E-05	1.12E-08	4.75E-09
2967	479376.63, 3849971.93	3.30E-05	1.04E-08	4.42E-09	4.05E-05	1.28E-08	5.42E-09	3.55E-05	1.12E-08	4.75E-09
2968	479426.63, 3849971.93	3.36E-05	1.06E-08	4.50E-09	4.11E-05	1.30E-08	5.51E-09	3.61E-05	1.14E-08	4.83E-09
2969	478726.63, 3850021.93	2.66E-05	8.39E-09	3.56E-09	3.26E-05	1.03E-08	4.36E-09	2.86E-05	9.02E-09	3.83E-09
2970	478776.63, 3850021.93	2.70E-05	8.52E-09	3.62E-09	3.31E-05	1.04E-08	4.43E-09	2.90E-05	9.16E-09	3.89E-09
2971	478826.63, 3850021.93	2.75E-05	8.67E-09	3.68E-09	3.37E-05	1.06E-08	4.51E-09	2.95E-05	9.32E-09	3.95E-09
2972	478976.63, 3850021.93	2.92E-05	9.20E-09	3.90E-09	3.57E-05	1.13E-08	4.78E-09	3.13E-05	9.89E-09	4.20E-09
2973	478726.63, 3850071.93	2.66E-05	8.41E-09	3.57E-09	3.26E-05	1.03E-08	4.37E-09	2.86E-05	9.04E-09	3.83E-09
2974	478776.63, 3850071.93	2.71E-05	8.54E-09	3.62E-09	3.31E-05	1.05E-08	4.44E-09	2.91E-05	9.18E-09	3.89E-09
2975	478826.63, 3850071.93	2.75E-05	8.68E-09	3.68E-09	3.37E-05	1.06E-08	4.51E-09	2.96E-05	9.33E-09	3.96E-09
2976	478876.63, 3850071.93	2.80E-05	8.84E-09	3.75E-09	3.43E-05	1.08E-08	4.59E-09	3.01E-05	9.50E-09	4.03E-09
2977	478976.63, 3850071.93	2.91E-05	9.20E-09	3.90E-09	3.57E-05	1.13E-08	4.78E-09	3.13E-05	9.88E-09	4.19E-09
2978	478726.63, 3850121.93	2.67E-05	8.44E-09	3.58E-09	3.28E-05	1.03E-08	4.39E-09	2.87E-05	9.07E-09	3.85E-09
2979	478776.63, 3850121.93	2.72E-05	8.58E-09	3.64E-09	3.33E-05	1.05E-08	4.46E-09	2.92E-05	9.22E-09	3.91E-09
2980	478826.63, 3850121.93	2.76E-05	8.71E-09	3.70E-09	3.38E-05	1.07E-08	4.53E-09	2.97E-05	9.36E-09	3.97E-09
2981	478876.63, 3850121.93	2.80E-05	8.85E-09	3.75E-09	3.43E-05	1.08E-08	4.60E-09	3.01E-05	9.51E-09	4.03E-09
2982	478976.63, 3850121.93	2.92E-05	9.20E-09	3.90E-09	3.57E-05	1.13E-08	4.78E-09	3.13E-05	9.89E-09	4.20E-09
2983	479026.63, 3850121.93	2.97E-05	9.38E-09	3.98E-09	3.64E-05	1.15E-08	4.87E-09	3.19E-05	1.01E-08	4.28E-09
2984	479076.63, 3850121.93	3.02E-05	9.54E-09	4.05E-09	3.70E-05	1.17E-08	4.96E-09	3.25E-05	1.03E-08	4.35E-09
2985	479126.63, 3850121.93	3.08E-05	9.71E-09	4.12E-09	3.77E-05	1.19E-08	5.05E-09	3.31E-05	1.04E-08	4.43E-09
2986	478776.63, 3850171.93	2.73E-05	8.60E-09	3.65E-09	3.34E-05	1.05E-08	4.47E-09	2.93E-05	9.24E-09	3.92E-09
2987	478826.63, 3850171.93	2.76E-05	8.73E-09	3.70E-09	3.39E-05	1.07E-08	4.54E-09	2.97E-05	9.38E-09	3.98E-09
2988	478876.63, 3850171.93	2.81E-05	8.86E-09	3.76E-09	3.44E-05	1.09E-08	4.61E-09	3.02E-05	9.52E-09	4.04E-09
2989	478976.63, 3850171.93	2.92E-05	9.20E-09	3.91E-09	3.57E-05	1.13E-08	4.78E-09	3.13E-05	9.89E-09	4.20E-09
2990	479026.63, 3850171.93	2.97E-05	9.39E-09	3.98E-09	3.64E-05	1.15E-08	4.88E-09	3.20E-05	1.01E-08	4.28E-09
2991	479076.63, 3850171.93	3.03E-05	9.55E-09	4.05E-09	3.71E-05	1.17E-08	4.96E-09	3.25E-05	1.03E-08	4.35E-09
2992	479126.63, 3850171.93	3.08E-05	9.72E-09	4.12E-09	3.77E-05	1.19E-08	5.05E-09	3.31E-05	1.04E-08	4.43E-09
2993	479176.63, 3850171.93	3.14E-05	9.91E-09	4.21E-09	3.85E-05	1.21E-08	5.15E-09	3.37E-05	1.07E-08	4.52E-09
2994	479226.63, 3850171.93	3.22E-05	1.02E-08	4.31E-09	3.94E-05	1.24E-08	5.28E-09	3.46E-05	1.09E-08	4.63E-09
2995	479276.63, 3850171.93	3.29E-05	1.04E-08	4.41E-09	4.03E-05	1.27E-08	5.40E-09	3.54E-05	1.12E-08	4.74E-09
2996	479326.63, 3850171.93	3.34E-05	1.05E-08	4.48E-09	4.09E-05	1.29E-08	5.48E-09	3.59E-05	1.13E-08	4.81E-09
2997	479376.63, 3850171.93	3.39E-05	1.07E-08	4.54E-09	4.15E-05	1.31E-08	5.56E-09	3.64E-05	1.15E-08	4.88E-09
2998	478676.63, 3850221.93	2.66E-05	8.39E-09	3.56E-09	3.25E-05	1.03E-08	4.36E-09	2.86E-05	9.01E-09	3.82E-09
2999	478726.63, 3850221.93	2.70E-05	8.51E-09	3.61E-09	3.30E-05	1.04E-08	4.42E-09	2.90E-05	9.15E-09	3.88E-09
3000	478976.63, 3850221.93	2.92E-05	9.22E-09	3.91E-09	3.58E-05	1.13E-08	4.79E-09	3.14E-05	9.91E-09	4.20E-09
3001	479026.63, 3850221.93	2.98E-05	9.39E-09	3.99E-09	3.65E-05	1.15E-08	4.88E-09	3.20E-05	1.01E-08	4.28E-09
3002	479076.63, 3850221.93	3.03E-05	9.56E-09	4.05E-09	3.71E-05	1.17E-08	4.97E-09	3.25E-05	1.03E-08	4.36E-09
3003	479126.63, 3850221.93	3.08E-05	9.73E-09	4.13E-09	3.78E-05	1.19E-08	5.06E-09	3.31E-05	1.05E-08	4.44E-09
3004	479176.63, 3850221.93	3.15E-05	9.94E-09	4.22E-09	3.86E-05	1.22E-08	5.17E-09	3.39E-05	1.07E-08	4.53E-09

3005	479226.63, 3850221.93	3.22E-05	1.02E-08	4.31E-09	3.94E-05	1.24E-08	5.28E-09	3.46E-05	1.09E-08	4.63E-09
3006	479276.63, 3850221.93	3.29E-05	1.04E-08	4.40E-09	4.03E-05	1.27E-08	5.39E-09	3.53E-05	1.11E-08	4.73E-09
3007	479326.63, 3850221.93	3.34E-05	1.05E-08	4.47E-09	4.09E-05	1.29E-08	5.47E-09	3.59E-05	1.13E-08	4.80E-09
3008	479376.63, 3850221.93	3.39E-05	1.07E-08	4.54E-09	4.16E-05	1.31E-08	5.57E-09	3.65E-05	1.15E-08	4.88E-09
3009	478676.63, 3850271.93	2.68E-05	8.45E-09	3.59E-09	3.28E-05	1.04E-08	4.39E-09	2.88E-05	9.08E-09	3.85E-09
3010	478726.63, 3850271.93	2.71E-05	8.57E-09	3.64E-09	3.33E-05	1.05E-08	4.45E-09	2.92E-05	9.21E-09	3.91E-09
3011	478976.63, 3850271.93	2.92E-05	9.23E-09	3.92E-09	3.58E-05	1.13E-08	4.80E-09	3.14E-05	9.92E-09	4.21E-09
3012	479026.63, 3850271.93	2.98E-05	9.40E-09	3.99E-09	3.65E-05	1.15E-08	4.89E-09	3.20E-05	1.01E-08	4.29E-09
3013	479076.63, 3850271.93	3.03E-05	9.57E-09	4.06E-09	3.71E-05	1.17E-08	4.97E-09	3.26E-05	1.03E-08	4.36E-09
3014	479126.63, 3850271.93	3.09E-05	9.75E-09	4.14E-09	3.78E-05	1.19E-08	5.07E-09	3.32E-05	1.05E-08	4.44E-09
3015	479176.63, 3850271.93	3.15E-05	9.94E-09	4.22E-09	3.86E-05	1.22E-08	5.17E-09	3.38E-05	1.07E-08	4.53E-09
3016	479226.63, 3850271.93	3.21E-05	1.01E-08	4.30E-09	3.94E-05	1.24E-08	5.27E-09	3.45E-05	1.09E-08	4.63E-09
3017	479276.63, 3850271.93	3.28E-05	1.03E-08	4.39E-09	4.01E-05	1.27E-08	5.37E-09	3.52E-05	1.11E-08	4.71E-09
3018	479326.63, 3850271.93	3.33E-05	1.05E-08	4.46E-09	4.08E-05	1.29E-08	5.47E-09	3.58E-05	1.13E-08	4.79E-09
3019	479376.63, 3850271.93	3.38E-05	1.07E-08	4.53E-09	4.14E-05	1.31E-08	5.55E-09	3.63E-05	1.15E-08	4.87E-09
3020	479053.24, 3850293.52	3.01E-05	9.50E-09	4.03E-09	3.69E-05	1.16E-08	4.94E-09	3.24E-05	1.02E-08	4.33E-09
3021	479103.24, 3850293.52	3.07E-05	9.68E-09	4.11E-09	3.76E-05	1.19E-08	5.03E-09	3.29E-05	1.04E-08	4.41E-09
3022	479153.24, 3850293.52	3.12E-05	9.85E-09	4.18E-09	3.82E-05	1.21E-08	5.12E-09	3.35E-05	1.06E-08	4.49E-09
3023	479203.24, 3850293.52	3.18E-05	1.01E-08	4.26E-09	3.90E-05	1.23E-08	5.22E-09	3.42E-05	1.08E-08	4.58E-09
3024	479253.24, 3850293.52	3.25E-05	1.03E-08	4.35E-09	3.98E-05	1.26E-08	5.33E-09	3.49E-05	1.10E-08	4.67E-09
3025	479303.24, 3850293.52	3.30E-05	1.04E-08	4.42E-09	4.04E-05	1.28E-08	5.42E-09	3.55E-05	1.12E-08	4.75E-09
3026	479353.24, 3850293.52	3.36E-05	1.06E-08	4.49E-09	4.11E-05	1.30E-08	5.50E-09	3.61E-05	1.14E-08	4.83E-09
3027	479153.24, 3850343.52	3.13E-05	9.86E-09	4.19E-09	3.83E-05	1.21E-08	5.13E-09	3.36E-05	1.06E-08	4.50E-09
3028	479203.24, 3850343.52	3.18E-05	1.01E-08	4.26E-09	3.90E-05	1.23E-08	5.22E-09	3.42E-05	1.08E-08	4.58E-09
3029	479253.24, 3850343.52	3.24E-05	1.02E-08	4.34E-09	3.97E-05	1.25E-08	5.31E-09	3.48E-05	1.10E-08	4.66E-09
3030	479303.24, 3850343.52	3.29E-05	1.04E-08	4.41E-09	4.03E-05	1.27E-08	5.40E-09	3.54E-05	1.12E-08	4.74E-09
3031	479353.24, 3850343.52	3.34E-05	1.06E-08	4.48E-09	4.10E-05	1.29E-08	5.49E-09	3.59E-05	1.13E-08	4.81E-09
3032	479203.24, 3850393.52	3.18E-05	1.00E-08	4.26E-09	3.89E-05	1.23E-08	5.21E-09	3.42E-05	1.08E-08	4.57E-09
3033	479253.24, 3850393.52	3.23E-05	1.02E-08	4.33E-09	3.96E-05	1.25E-08	5.30E-09	3.47E-05	1.10E-08	4.65E-09
3034	479303.24, 3850393.52	3.29E-05	1.04E-08	4.40E-09	4.03E-05	1.27E-08	5.39E-09	3.53E-05	1.11E-08	4.73E-09
3035	479353.24, 3850393.52	3.34E-05	1.05E-08	4.47E-09	4.09E-05	1.29E-08	5.48E-09	3.59E-05	1.13E-08	4.81E-09
3036	479403.24, 3850393.52	3.39E-05	1.07E-08	4.54E-09	4.16E-05	1.31E-08	5.57E-09	3.65E-05	1.15E-08	4.88E-09
3037	479453.24, 3850393.52	3.45E-05	1.09E-08	4.61E-09	4.22E-05	1.33E-08	5.65E-09	3.70E-05	1.17E-08	4.96E-09
3038	479503.24, 3850393.52	3.49E-05	1.10E-08	4.68E-09	4.28E-05	1.35E-08	5.73E-09	3.75E-05	1.18E-08	5.03E-09
3039	479303.24, 3850443.52	3.28E-05	1.03E-08	4.39E-09	4.01E-05	1.27E-08	5.37E-09	3.52E-05	1.11E-08	4.72E-09
3040	479353.24, 3850443.52	3.33E-05	1.05E-08	4.46E-09	4.08E-05	1.29E-08	5.46E-09	3.58E-05	1.13E-08	4.79E-09
3041	479403.24, 3850443.52	3.38E-05	1.07E-08	4.52E-09	4.14E-05	1.31E-08	5.54E-09	3.63E-05	1.15E-08	4.86E-09
3042	479453.24, 3850443.52	3.43E-05	1.08E-08	4.59E-09	4.20E-05	1.33E-08	5.63E-09	3.69E-05	1.16E-08	4.93E-09
3043	479503.24, 3850443.52	3.48E-05	1.10E-08	4.66E-09	4.26E-05	1.34E-08	5.71E-09	3.74E-05	1.18E-08	5.00E-09
3044	480327.18, 3850987.04	4.60E-05	1.45E-08	6.15E-09	5.63E-05	1.78E-08	7.54E-09	4.94E-05	1.56E-08	6.61E-09
3045	480377.18, 3850987.04	4.66E-05	1.47E-08	6.24E-09	5.71E-05	1.80E-08	7.64E-09	5.00E-05	1.58E-08	6.70E-09
3046	480427.18, 3850987.04	4.72E-05	1.49E-08	6.32E-09	5.78E-05	1.82E-08	7.74E-09	5.07E-05	1.60E-08	6.79E-09
3047	480477.18, 3850987.04	4.77E-05	1.51E-08	6.39E-09	5.84E-05	1.84E-08	7.82E-09	5.12E-05	1.62E-08	6.86E-09
3048	480327.18, 3851037.04	4.60E-05	1.45E-08	6.16E-09	5.64E-05	1.78E-08	7.55E-09	4.94E-05	1.56E-08	6.62E-09
3049	480377.18, 3851037.04	4.67E-05	1.47E-08	6.25E-09	5.72E-05	1.81E-08	7.66E-09	5.02E-05	1.58E-08	6.72E-09
3050	480427.18, 3851037.04	4.74E-05	1.49E-08	6.34E-09	5.80E-05	1.83E-08	7.77E-09	5.09E-05	1.61E-08	6.81E-09
3051	480477.18, 3851037.04	4.80E-05	1.51E-08	6.42E-09	5.88E-05	1.85E-08	7.87E-09	5.15E-05	1.63E-08	6.90E-09
3052	480622.06, 3851087.39	4.98E-05	1.57E-08	6.67E-09	6.10E-05	1.93E-08	8.17E-09	5.35E-05	1.69E-08	7.17E-09
3053	480672.06, 3851087.39	5.03E-05	1.59E-08	6.73E-09	6.16E-05	1.94E-08	8.25E-09	5.40E-05	1.71E-08	7.23E-09
3054	480622.06, 3851137.39	5.02E-05	1.58E-08	6.72E-09	6.15E-05	1.94E-08	8.23E-09	5.39E-05	1.70E-08	7.22E-09
3055	480672.06, 3851137.39	5.07E-05	1.60E-08	6.79E-09	6.21E-05	1.96E-08	8.32E-09	5.45E-05	1.72E-08	7.29E-09
3056	480722.06, 3851137.39	5.12E-05	1.62E-08	6.85E-09	6.27E-05	1.98E-08	8.40E-09	5.50E-05	1.74E-08	7.36E-09
3057	480622.06, 3851187.39	5.04E-05	1.59E-08	6.75E-09	6.18E-05	1.95E-08	8.27E-09	5.42E-05	1.71E-08	7.26E-09
3058	480672.06, 3851187.39	5.10E-05	1.61E-08	6.84E-09	6.25E-05	1.97E-08	8.37E-09	5.48E-05	1.73E-08	7.34E-09
3059	480722.06, 3851187.39	5.16E-05	1.63E-08	6.91E-09	6.32E-05	1.99E-08	8.46E-09	5.54E-05	1.75E-08	7.42E-09
3060	471363.09, 3845877.25	7.13E-06	2.25E-09	9.54E-10	8.73E-06	2.76E-09	1.17E-09	7.65E-06	2.42E-09	1.02E-09
3061	471863.09, 3845877.25	6.83E-06	2.16E-09	9.15E-10	8.37E-06	2.64E-09	1.12E-09	7.34E-06	2.32E-09	9.82E-10
3062	472363.09, 3845877.25	7.44E-06	2.35E-09	9.96E-10	9.11E-06	2.88E-09	1.22E-09	7.99E-06	2.52E-09	1.07E-09
3063	472863.09, 3845877.25	6.26E-06	1.98E-09	8.38E-10	7.67E-06	2.42E-09	1.03E-09	6.72E-06	2.12E-09	9.00E-10
3064	473363.09, 3845877.25	6.12E-06	1.93E-09	8.19E-10	7.49E-06	2.36E-09	1.00E-09	6.57E-06	2.07E-09	8.80E-10
3065	473863.09, 3845877.25	6.42E-06	2.02E-09	8.59E-10	7.86E-06	2.48E-09	1.05E-09	6.89E-06	2.17E-09	9.23E-10
3066	474363.09, 3845877.25	7.59E-06	2.40E-09	1.02E-09	9.30E-06	2.94E-09	1.25E-09	8.16E-06	2.57E-09	1.09E-09
3067	474863.09, 3845877.25	9.63E-06	3.04E-09	1.29E-09	1.18E-05	3.72E-09	1.58E-09	1.03E-05	3.26E-09	1.38E-09
3068	475363.09, 3845877.25	1.22E-05	3.84E-09	1.63E-09	1.49E-05	4.71E-09	2.00E-09	1.31E-05	4.13E-09	1.75E-09

3069	475863.09, 3845877.25	1.27E-05	4.00E-09	1.70E-09	1.55E-05	4.90E-09	2.08E-09	1.36E-05	4.30E-09	1.82E-09
3070	476363.09, 3845877.25	1.17E-05	3.71E-09	1.57E-09	1.44E-05	4.54E-09	1.93E-09	1.26E-05	3.98E-09	1.69E-09
3071	476863.09, 3845877.25	1.06E-05	3.34E-09	1.42E-09	1.30E-05	4.09E-09	1.74E-09	1.14E-05	3.59E-09	1.52E-09
3072	477363.09, 3845877.25	8.88E-06	2.80E-09	1.19E-09	1.09E-05	3.43E-09	1.46E-09	9.54E-06	3.01E-09	1.28E-09
3073	477863.09, 3845877.25	7.72E-06	2.44E-09	1.03E-09	9.46E-06	2.99E-09	1.27E-09	8.29E-06	2.62E-09	1.11E-09
3074	478363.09, 3845877.25	7.44E-06	2.35E-09	9.96E-10	9.11E-06	2.88E-09	1.22E-09	8.00E-06	2.52E-09	1.07E-09
3075	478863.09, 3845877.25	7.13E-06	2.25E-09	9.55E-10	8.74E-06	2.76E-09	1.17E-09	7.66E-06	2.42E-09	1.03E-09
3076	479363.09, 3845877.25	6.87E-06	2.17E-09	9.20E-10	8.41E-06	2.66E-09	1.13E-09	7.38E-06	2.33E-09	9.88E-10
3077	479863.09, 3845877.25	6.64E-06	2.10E-09	8.89E-10	8.13E-06	2.57E-09	1.09E-09	7.13E-06	2.25E-09	9.55E-10
3078	480363.09, 3845877.25	5.60E-06	1.77E-09	7.50E-10	6.86E-06	2.17E-09	9.19E-10	6.02E-06	1.90E-09	8.06E-10
3079	480863.09, 3845877.25	5.06E-06	1.60E-09	6.78E-10	6.20E-06	1.96E-09	8.30E-10	5.44E-06	1.72E-09	7.28E-10
3080	481363.09, 3845877.25	4.67E-06	1.48E-09	6.26E-10	5.73E-06	1.81E-09	7.67E-10	5.02E-06	1.58E-09	6.72E-10
3081	481863.09, 3845877.25	4.19E-06	1.32E-09	5.61E-10	5.13E-06	1.62E-09	6.87E-10	4.50E-06	1.42E-09	6.02E-10
3082	482363.09, 3845877.25	3.76E-06	1.19E-09	5.04E-10	4.61E-06	1.46E-09	6.17E-10	4.05E-06	1.28E-09	5.42E-10
3083	482863.09, 3845877.25	3.05E-06	9.63E-10	4.09E-10	3.74E-06	1.18E-09	5.01E-10	3.28E-06	1.03E-09	4.39E-10
3084	483363.09, 3845877.25	2.80E-06	8.84E-10	3.75E-10	3.43E-06	1.08E-09	4.60E-10	3.01E-06	9.49E-10	4.03E-10
3085	483863.09, 3845877.25	3.18E-06	1.00E-09	4.26E-10	3.90E-06	1.23E-09	5.22E-10	3.42E-06	1.08E-09	4.58E-10
3086	484363.09, 3845877.25	3.12E-06	9.86E-10	4.18E-10	3.82E-06	1.21E-09	5.12E-10	3.35E-06	1.06E-09	4.49E-10
3087	484863.09, 3845877.25	2.97E-06	9.36E-10	3.97E-10	3.63E-06	1.15E-09	4.87E-10	3.19E-06	1.01E-09	4.27E-10
3088	485363.09, 3845877.25	2.79E-06	8.82E-10	3.74E-10	3.42E-06	1.08E-09	4.58E-10	3.00E-06	9.47E-10	4.02E-10
3089	485863.09, 3845877.25	2.74E-06	8.65E-10	3.67E-10	3.36E-06	1.06E-09	4.50E-10	2.94E-06	9.29E-10	3.94E-10
3090	486363.09, 3845877.25	2.61E-06	8.24E-10	3.50E-10	3.20E-06	1.01E-09	4.28E-10	2.80E-06	8.85E-10	3.76E-10
3091	486863.09, 3845877.25	2.42E-06	7.64E-10	3.24E-10	2.97E-06	9.36E-10	3.97E-10	2.60E-06	8.21E-10	3.48E-10
3092	487363.09, 3845877.25	2.37E-06	7.47E-10	3.17E-10	2.90E-06	9.15E-10	3.88E-10	2.54E-06	8.02E-10	3.40E-10
3093	487863.09, 3845877.25	2.21E-06	6.97E-10	2.96E-10	2.71E-06	8.54E-10	3.62E-10	2.37E-06	7.49E-10	3.18E-10
3094	488363.09, 3845877.25	2.13E-06	6.71E-10	2.85E-10	2.61E-06	8.22E-10	3.49E-10	2.28E-06	7.21E-10	3.06E-10
3095	488863.09, 3845877.25	2.34E-06	7.40E-10	3.14E-10	2.87E-06	9.06E-10	3.84E-10	2.52E-06	7.95E-10	3.37E-10
3096	489363.09, 3845877.25	2.34E-06	7.38E-10	3.13E-10	2.87E-06	9.05E-10	3.84E-10	2.51E-06	7.93E-10	3.37E-10
3097	489863.09, 3845877.25	2.24E-06	7.08E-10	3.00E-10	2.75E-06	8.67E-10	3.68E-10	2.41E-06	7.60E-10	3.23E-10
3098	490363.09, 3845877.25	2.13E-06	6.73E-10	2.85E-10	2.61E-06	8.24E-10	3.50E-10	2.29E-06	7.22E-10	3.06E-10
3099	490863.09, 3845877.25	1.92E-06	6.07E-10	2.57E-10	2.35E-06	7.43E-10	3.15E-10	2.06E-06	6.51E-10	2.76E-10
3100	491363.09, 3845877.25	2.10E-06	6.64E-10	2.82E-10	2.58E-06	8.13E-10	3.45E-10	2.26E-06	7.12E-10	3.02E-10
3101	491863.09, 3845877.25	2.26E-06	7.14E-10	3.03E-10	2.77E-06	8.74E-10	3.71E-10	2.43E-06	7.66E-10	3.25E-10
3102	492363.09, 3845877.25	2.14E-06	6.74E-10	2.86E-10	2.62E-06	8.26E-10	3.50E-10	2.29E-06	7.24E-10	3.07E-10
3103	492863.09, 3845877.25	2.45E-06	7.72E-10	3.28E-10	3.00E-06	9.46E-10	4.01E-10	2.63E-06	8.29E-10	3.52E-10
3104	493363.09, 3845877.25	2.64E-06	8.35E-10	3.54E-10	3.24E-06	1.02E-09	4.34E-10	2.84E-06	8.96E-10	3.80E-10
3105	493863.09, 3845877.25	2.88E-06	9.08E-10	3.85E-10	3.52E-06	1.11E-09	4.72E-10	3.09E-06	9.75E-10	4.14E-10
3106	494363.09, 3845877.25	3.07E-06	9.70E-10	4.12E-10	3.76E-06	1.19E-09	5.04E-10	3.30E-06	1.04E-09	4.42E-10
3107	494863.09, 3845877.25	3.25E-06	1.03E-09	4.35E-10	3.98E-06	1.26E-09	5.33E-10	3.49E-06	1.10E-09	4.68E-10
3108	495363.09, 3845877.25	3.49E-06	1.10E-09	4.67E-10	4.27E-06	1.35E-09	5.72E-10	3.74E-06	1.18E-09	5.01E-10
3109	495863.09, 3845877.25	3.75E-06	1.18E-09	5.02E-10	4.59E-06	1.45E-09	6.14E-10	4.02E-06	1.27E-09	5.39E-10
3110	496363.09, 3845877.25	4.03E-06	1.27E-09	5.40E-10	4.94E-06	1.56E-09	6.61E-10	4.33E-06	1.37E-09	5.79E-10
3111	496863.09, 3845877.25	4.25E-06	1.34E-09	5.69E-10	5.21E-06	1.64E-09	6.97E-10	4.56E-06	1.44E-09	6.11E-10
3112	497363.09, 3845877.25	4.47E-06	1.41E-09	5.98E-10	5.47E-06	1.73E-09	7.32E-10	4.79E-06	1.51E-09	6.42E-10
3113	497863.09, 3845877.25	4.74E-06	1.50E-09	6.35E-10	5.81E-06	1.83E-09	7.77E-10	5.09E-06	1.61E-09	6.81E-10
3114	498363.09, 3845877.25	5.00E-06	1.58E-09	6.69E-10	6.12E-06	1.93E-09	8.20E-10	5.37E-06	1.69E-09	7.19E-10
3115	471363.09, 3846377.25	1.07E-05	3.37E-09	1.43E-09	1.31E-05	4.13E-09	1.75E-09	1.15E-05	3.62E-09	1.54E-09
3116	471863.09, 3846377.25	9.95E-06	3.14E-09	1.33E-09	1.22E-05	3.85E-09	1.63E-09	1.07E-05	3.37E-09	1.43E-09
3117	472363.09, 3846377.25	7.40E-06	2.34E-09	9.91E-10	9.07E-06	2.86E-09	1.21E-09	7.95E-06	2.51E-09	1.06E-09
3118	472863.09, 3846377.25	7.50E-06	2.37E-09	1.00E-09	9.19E-06	2.90E-09	1.23E-09	8.05E-06	2.54E-09	1.08E-09
3119	473363.09, 3846377.25	7.40E-06	2.34E-09	9.91E-10	9.06E-06	2.86E-09	1.21E-09	7.95E-06	2.51E-09	1.06E-09
3120	473863.09, 3846377.25	7.45E-06	2.35E-09	9.98E-10	9.13E-06	2.88E-09	1.22E-09	8.00E-06	2.53E-09	1.07E-09
3121	474363.09, 3846377.25	7.77E-06	2.45E-09	1.04E-09	9.52E-06	3.00E-09	1.27E-09	8.34E-06	2.63E-09	1.12E-09
3122	474863.09, 3846377.25	9.01E-06	2.84E-09	1.21E-09	1.10E-05	3.48E-09	1.48E-09	9.68E-06	3.05E-09	1.30E-09
3123	475363.09, 3846377.25	1.12E-05	3.53E-09	1.50E-09	1.37E-05	4.32E-09	1.83E-09	1.20E-05	3.79E-09	1.61E-09
3124	475863.09, 3846377.25	1.39E-05	4.39E-09	1.86E-09	1.70E-05	5.38E-09	2.28E-09	1.49E-05	4.71E-09	2.00E-09
3125	476363.09, 3846377.25	1.39E-05	4.40E-09	1.87E-09	1.71E-05	5.39E-09	2.29E-09	1.50E-05	4.73E-09	2.01E-09
3126	476863.09, 3846377.25	1.29E-05	4.07E-09	1.73E-09	1.58E-05	4.98E-09	2.11E-09	1.38E-05	4.37E-09	1.85E-09
3127	477363.09, 3846377.25	1.16E-05	3.66E-09	1.55E-09	1.42E-05	4.49E-09	1.90E-09	1.25E-05	3.93E-09	1.67E-09
3128	477863.09, 3846377.25	9.45E-06	2.98E-09	1.27E-09	1.16E-05	3.65E-09	1.55E-09	1.01E-05	3.20E-09	1.36E-09
3129	478363.09, 3846377.25	8.55E-06	2.70E-09	1.14E-09	1.05E-05	3.30E-09	1.40E-09	9.18E-06	2.90E-09	1.23E-09
3130	478863.09, 3846377.25	8.55E-06	2.70E-09	1.14E-09	1.05E-05	3.30E-09	1.40E-09	9.18E-06	2.90E-09	1.23E-09
3131	479363.09, 3846377.25	8.20E-06	2.59E-09	1.10E-09	1.00E-05	3.17E-09	1.34E-09	8.81E-06	2.78E-09	1.18E-09
3132	479863.09, 3846377.25	7.42E-06	2.34E-09	9.93E-10	9.09E-06	2.87E-09	1.22E-09	7.97E-06	2.51E-09	1.07E-09

3133	480363.09, 3846377.25	7.27E-06	2.29E-09	9.74E-10	8.91E-06	2.81E-09	1.19E-09	7.81E-06	2.47E-09	1.05E-09
3134	480863.09, 3846377.25	5.96E-06	1.88E-09	7.98E-10	7.30E-06	2.30E-09	9.78E-10	6.40E-06	2.02E-09	8.58E-10
3135	481363.09, 3846377.25	5.61E-06	1.77E-09	7.51E-10	6.87E-06	2.17E-09	9.20E-10	6.02E-06	1.90E-09	8.07E-10
3136	481863.09, 3846377.25	4.99E-06	1.57E-09	6.68E-10	6.11E-06	1.93E-09	8.18E-10	5.36E-06	1.69E-09	7.17E-10
3137	482363.09, 3846377.25	4.29E-06	1.35E-09	5.75E-10	5.26E-06	1.66E-09	7.04E-10	4.61E-06	1.46E-09	6.18E-10
3138	482863.09, 3846377.25	3.64E-06	1.15E-09	4.87E-10	4.46E-06	1.41E-09	5.97E-10	3.91E-06	1.23E-09	5.23E-10
3139	483363.09, 3846377.25	3.82E-06	1.20E-09	5.11E-10	4.68E-06	1.48E-09	6.26E-10	4.10E-06	1.29E-09	5.49E-10
3140	483863.09, 3846377.25	3.65E-06	1.15E-09	4.89E-10	4.47E-06	1.41E-09	5.99E-10	3.92E-06	1.24E-09	5.25E-10
3141	484363.09, 3846377.25	3.26E-06	1.03E-09	4.37E-10	3.99E-06	1.26E-09	5.35E-10	3.50E-06	1.11E-09	4.69E-10
3142	484863.09, 3846377.25	3.49E-06	1.10E-09	4.68E-10	4.28E-06	1.35E-09	5.73E-10	3.75E-06	1.18E-09	5.03E-10
3143	485363.09, 3846377.25	3.42E-06	1.08E-09	4.58E-10	4.19E-06	1.32E-09	5.61E-10	3.67E-06	1.16E-09	4.92E-10
3144	485863.09, 3846377.25	3.09E-06	9.76E-10	4.14E-10	3.79E-06	1.20E-09	5.07E-10	3.32E-06	1.05E-09	4.45E-10
3145	486363.09, 3846377.25	2.61E-06	8.25E-10	3.50E-10	3.20E-06	1.01E-09	4.29E-10	2.81E-06	8.86E-10	3.76E-10
3146	486863.09, 3846377.25	2.50E-06	7.90E-10	3.35E-10	3.06E-06	9.67E-10	4.10E-10	2.69E-06	8.48E-10	3.60E-10
3147	487363.09, 3846377.25	2.52E-06	7.97E-10	3.38E-10	3.09E-06	9.76E-10	4.14E-10	2.71E-06	8.55E-10	3.63E-10
3148	487863.09, 3846377.25	2.70E-06	8.52E-10	3.61E-10	3.30E-06	1.04E-09	4.43E-10	2.90E-06	9.14E-10	3.88E-10
3149	488363.09, 3846377.25	2.62E-06	8.26E-10	3.50E-10	3.20E-06	1.01E-09	4.29E-10	2.81E-06	8.87E-10	3.76E-10
3150	488863.09, 3846377.25	2.62E-06	8.27E-10	3.51E-10	3.21E-06	1.01E-09	4.30E-10	2.81E-06	8.88E-10	3.77E-10
3151	489363.09, 3846377.25	2.57E-06	8.12E-10	3.45E-10	3.15E-06	9.95E-10	4.22E-10	2.76E-06	8.73E-10	3.70E-10
3152	489863.09, 3846377.25	2.48E-06	7.83E-10	3.32E-10	3.04E-06	9.59E-10	4.07E-10	2.66E-06	8.41E-10	3.57E-10
3153	490363.09, 3846377.25	2.23E-06	7.05E-10	2.99E-10	2.74E-06	8.63E-10	3.66E-10	2.40E-06	7.57E-10	3.21E-10
3154	490863.09, 3846377.25	2.18E-06	6.89E-10	2.92E-10	2.67E-06	8.44E-10	3.58E-10	2.34E-06	7.39E-10	3.14E-10
3155	491363.09, 3846377.25	2.24E-06	7.08E-10	3.00E-10	2.75E-06	8.67E-10	3.68E-10	2.41E-06	7.59E-10	3.22E-10
3156	491863.09, 3846377.25	2.51E-06	7.93E-10	3.37E-10	3.08E-06	9.72E-10	4.12E-10	2.70E-06	8.51E-10	3.61E-10
3157	492363.09, 3846377.25	2.54E-06	8.03E-10	3.41E-10	3.12E-06	9.84E-10	4.17E-10	2.73E-06	8.62E-10	3.66E-10
3158	492863.09, 3846377.25	2.67E-06	8.41E-10	3.57E-10	3.26E-06	1.03E-09	4.37E-10	2.86E-06	9.03E-10	3.83E-10
3159	493363.09, 3846377.25	2.98E-06	9.40E-10	3.99E-10	3.65E-06	1.15E-09	4.89E-10	3.20E-06	1.01E-09	4.28E-10
3160	493863.09, 3846377.25	3.23E-06	1.02E-09	4.33E-10	3.96E-06	1.25E-09	5.30E-10	3.47E-06	1.09E-09	4.65E-10
3161	494363.09, 3846377.25	3.47E-06	1.09E-09	4.64E-10	4.25E-06	1.34E-09	5.69E-10	3.72E-06	1.18E-09	4.99E-10
3162	494863.09, 3846377.25	3.70E-06	1.17E-09	4.96E-10	4.53E-06	1.43E-09	6.07E-10	3.98E-06	1.25E-09	5.32E-10
3163	495363.09, 3846377.25	3.96E-06	1.25E-09	5.30E-10	4.85E-06	1.53E-09	6.50E-10	4.25E-06	1.34E-09	5.69E-10
3164	495863.09, 3846377.25	4.29E-06	1.35E-09	5.74E-10	5.25E-06	1.66E-09	7.03E-10	4.60E-06	1.45E-09	6.16E-10
3165	496363.09, 3846377.25	4.61E-06	1.45E-09	6.17E-10	5.64E-06	1.78E-09	7.56E-10	4.95E-06	1.56E-09	6.62E-10
3166	496863.09, 3846377.25	4.94E-06	1.56E-09	6.62E-10	6.05E-06	1.91E-09	8.10E-10	5.30E-06	1.67E-09	7.10E-10
3167	497363.09, 3846377.25	5.25E-06	1.66E-09	7.04E-10	6.44E-06	2.03E-09	8.62E-10	5.64E-06	1.78E-09	7.55E-10
3168	497863.09, 3846377.25	5.55E-06	1.75E-09	7.43E-10	6.80E-06	2.15E-09	9.11E-10	5.96E-06	1.88E-09	7.98E-10
3169	498363.09, 3846377.25	5.83E-06	1.84E-09	7.81E-10	7.14E-06	2.25E-09	9.56E-10	6.26E-06	1.98E-09	8.38E-10
3170	471363.09, 3846877.25	1.17E-05	3.69E-09	1.56E-09	1.43E-05	4.52E-09	1.92E-09	1.25E-05	3.96E-09	1.68E-09
3171	471863.09, 3846877.25	1.18E-05	3.72E-09	1.58E-09	1.44E-05	4.55E-09	1.93E-09	1.26E-05	3.99E-09	1.69E-09
3172	472363.09, 3846877.25	1.14E-05	3.59E-09	1.52E-09	1.39E-05	4.40E-09	1.87E-09	1.22E-05	3.86E-09	1.64E-09
3173	472863.09, 3846877.25	7.94E-06	2.50E-09	1.06E-09	9.72E-06	3.07E-09	1.30E-09	8.52E-06	2.69E-09	1.14E-09
3174	473363.09, 3846877.25	8.66E-06	2.73E-09	1.16E-09	1.06E-05	3.35E-09	1.42E-09	9.30E-06	2.93E-09	1.25E-09
3175	473863.09, 3846877.25	9.23E-06	2.91E-09	1.24E-09	1.13E-05	3.57E-09	1.51E-09	9.91E-06	3.13E-09	1.33E-09
3176	474363.09, 3846877.25	8.75E-06	2.76E-09	1.17E-09	1.07E-05	3.38E-09	1.43E-09	9.40E-06	2.97E-09	1.26E-09
3177	474863.09, 3846877.25	8.77E-06	2.77E-09	1.17E-09	1.07E-05	3.39E-09	1.44E-09	9.42E-06	2.97E-09	1.26E-09
3178	475363.09, 3846877.25	9.56E-06	3.02E-09	1.28E-09	1.17E-05	3.70E-09	1.57E-09	1.03E-05	3.24E-09	1.38E-09
3179	475863.09, 3846877.25	1.25E-05	3.94E-09	1.67E-09	1.53E-05	4.83E-09	2.05E-09	1.34E-05	4.23E-09	1.80E-09
3180	476363.09, 3846877.25	1.52E-05	4.81E-09	2.04E-09	1.87E-05	5.89E-09	2.50E-09	1.64E-05	5.17E-09	2.19E-09
3181	476863.09, 3846877.25	1.53E-05	4.84E-09	2.05E-09	1.88E-05	5.93E-09	2.51E-09	1.65E-05	5.20E-09	2.20E-09
3182	477363.09, 3846877.25	1.43E-05	4.50E-09	1.91E-09	1.75E-05	5.52E-09	2.34E-09	1.53E-05	4.84E-09	2.05E-09
3183	477863.09, 3846877.25	1.24E-05	3.92E-09	1.66E-09	1.52E-05	4.80E-09	2.04E-09	1.33E-05	4.21E-09	1.79E-09
3184	478363.09, 3846877.25	1.05E-05	3.33E-09	1.41E-09	1.29E-05	4.08E-09	1.73E-09	1.13E-05	3.57E-09	1.52E-09
3185	478863.09, 3846877.25	1.01E-05	3.20E-09	1.36E-09	1.24E-05	3.92E-09	1.66E-09	1.09E-05	3.44E-09	1.46E-09
3186	479363.09, 3846877.25	9.73E-06	3.07E-09	1.30E-09	1.19E-05	3.76E-09	1.60E-09	1.04E-05	3.30E-09	1.40E-09
3187	479863.09, 3846877.25	7.59E-06	2.40E-09	1.02E-09	9.30E-06	2.93E-09	1.25E-09	8.15E-06	2.57E-09	1.09E-09
3188	480363.09, 3846877.25	6.38E-06	2.01E-09	8.55E-10	7.82E-06	2.47E-09	1.05E-09	6.86E-06	2.16E-09	9.18E-10
3189	480863.09, 3846877.25	5.78E-06	1.83E-09	7.74E-10	7.08E-06	2.24E-09	9.49E-10	6.21E-06	1.96E-09	8.32E-10
3190	481363.09, 3846877.25	5.87E-06	1.85E-09	7.86E-10	7.19E-06	2.27E-09	9.63E-10	6.31E-06	1.99E-09	8.45E-10
3191	481863.09, 3846877.25	5.62E-06	1.77E-09	7.53E-10	6.89E-06	2.17E-09	9.22E-10	6.04E-06	1.91E-09	8.08E-10
3192	482363.09, 3846877.25	4.63E-06	1.46E-09	6.20E-10	5.67E-06	1.79E-09	7.60E-10	4.98E-06	1.57E-09	6.67E-10
3193	482863.09, 3846877.25	4.52E-06	1.43E-09	6.05E-10	5.53E-06	1.75E-09	7.41E-10	4.85E-06	1.53E-09	6.50E-10
3194	483363.09, 3846877.25	4.44E-06	1.40E-09	5.95E-10	5.44E-06	1.72E-09	7.29E-10	4.77E-06	1.51E-09	6.39E-10
3195	483863.09, 3846877.25	4.22E-06	1.33E-09	5.65E-10	5.17E-06	1.63E-09	6.92E-10	4.53E-06	1.43E-09	6.07E-10
3196	484363.09, 3846877.25	4.07E-06	1.28E-09	5.45E-10	4.98E-06	1.57E-09	6.68E-10	4.37E-06	1.38E-09	5.85E-10

3197	484863.09, 3846877.25	3.90E-06	1.23E-09	5.23E-10	4.78E-06	1.51E-09	6.40E-10	4.19E-06	1.32E-09	5.62E-10
3198	485363.09, 3846877.25	3.83E-06	1.21E-09	5.13E-10	4.69E-06	1.48E-09	6.28E-10	4.11E-06	1.30E-09	5.51E-10
3199	485863.09, 3846877.25	3.50E-06	1.11E-09	4.69E-10	4.29E-06	1.35E-09	5.75E-10	3.76E-06	1.19E-09	5.04E-10
3200	486363.09, 3846877.25	3.53E-06	1.12E-09	4.73E-10	4.33E-06	1.37E-09	5.80E-10	3.80E-06	1.20E-09	5.08E-10
3201	486863.09, 3846877.25	3.09E-06	9.76E-10	4.14E-10	3.79E-06	1.19E-09	5.07E-10	3.32E-06	1.05E-09	4.45E-10
3202	487363.09, 3846877.25	3.11E-06	9.83E-10	4.17E-10	3.82E-06	1.20E-09	5.11E-10	3.35E-06	1.06E-09	4.48E-10
3203	487863.09, 3846877.25	3.01E-06	9.50E-10	4.03E-10	3.69E-06	1.16E-09	4.94E-10	3.23E-06	1.02E-09	4.33E-10
3204	488363.09, 3846877.25	2.91E-06	9.19E-10	3.90E-10	3.57E-06	1.13E-09	4.78E-10	3.13E-06	9.87E-10	4.19E-10
3205	488863.09, 3846877.25	2.91E-06	9.19E-10	3.90E-10	3.57E-06	1.13E-09	4.78E-10	3.13E-06	9.87E-10	4.19E-10
3206	489363.09, 3846877.25	2.89E-06	9.11E-10	3.86E-10	3.53E-06	1.12E-09	4.73E-10	3.10E-06	9.79E-10	4.15E-10
3207	489863.09, 3846877.25	2.82E-06	8.89E-10	3.77E-10	3.45E-06	1.09E-09	4.62E-10	3.03E-06	9.55E-10	4.05E-10
3208	490363.09, 3846877.25	2.59E-06	8.18E-10	3.47E-10	3.18E-06	1.00E-09	4.25E-10	2.78E-06	8.78E-10	3.73E-10
3209	490863.09, 3846877.25	2.60E-06	8.21E-10	3.48E-10	3.18E-06	1.01E-09	4.26E-10	2.79E-06	8.80E-10	3.74E-10
3210	491363.09, 3846877.25	2.67E-06	8.44E-10	3.58E-10	3.27E-06	1.03E-09	4.38E-10	2.87E-06	9.06E-10	3.84E-10
3211	491863.09, 3846877.25	2.66E-06	8.41E-10	3.57E-10	3.26E-06	1.03E-09	4.37E-10	2.86E-06	9.03E-10	3.83E-10
3212	492363.09, 3846877.25	3.04E-06	9.59E-10	4.07E-10	3.72E-06	1.17E-09	4.98E-10	3.26E-06	1.03E-09	4.37E-10
3213	492863.09, 3846877.25	3.22E-06	1.02E-09	4.31E-10	3.94E-06	1.24E-09	5.27E-10	3.45E-06	1.09E-09	4.62E-10
3214	493363.09, 3846877.25	3.49E-06	1.10E-09	4.67E-10	4.27E-06	1.35E-09	5.72E-10	3.75E-06	1.18E-09	5.02E-10
3215	493863.09, 3846877.25	3.72E-06	1.17E-09	4.99E-10	4.56E-06	1.44E-09	6.11E-10	4.00E-06	1.26E-09	5.35E-10
3216	494363.09, 3846877.25	3.92E-06	1.24E-09	5.25E-10	4.80E-06	1.51E-09	6.43E-10	4.21E-06	1.33E-09	5.64E-10
3217	494863.09, 3846877.25	4.20E-06	1.32E-09	5.62E-10	5.14E-06	1.62E-09	6.88E-10	4.51E-06	1.42E-09	6.03E-10
3218	495363.09, 3846877.25	4.47E-06	1.41E-09	5.98E-10	5.47E-06	1.73E-09	7.32E-10	4.79E-06	1.51E-09	6.42E-10
3219	495863.09, 3846877.25	4.77E-06	1.50E-09	6.38E-10	5.84E-06	1.84E-09	7.82E-10	5.12E-06	1.62E-09	6.85E-10
3220	496363.09, 3846877.25	5.10E-06	1.61E-09	6.83E-10	6.25E-06	1.97E-09	8.37E-10	5.47E-06	1.73E-09	7.33E-10
3221	496863.09, 3846877.25	5.51E-06	1.74E-09	7.38E-10	6.75E-06	2.13E-09	9.04E-10	5.92E-06	1.87E-09	7.93E-10
3222	497363.09, 3846877.25	6.07E-06	1.91E-09	8.12E-10	7.43E-06	2.35E-09	9.95E-10	6.51E-06	2.06E-09	8.72E-10
3223	497863.09, 3846877.25	6.58E-06	2.08E-09	8.81E-10	8.06E-06	2.54E-09	1.08E-09	7.06E-06	2.23E-09	9.46E-10
3224	498363.09, 3846877.25	6.84E-06	2.16E-09	9.15E-10	8.37E-06	2.64E-09	1.12E-09	7.34E-06	2.32E-09	9.83E-10
3225	471363.09, 3847377.25	1.25E-05	3.95E-09	1.68E-09	1.53E-05	4.84E-09	2.05E-09	1.34E-05	4.24E-09	1.80E-09
3226	471863.09, 3847377.25	1.27E-05	4.02E-09	1.71E-09	1.56E-05	4.93E-09	2.09E-09	1.37E-05	4.32E-09	1.83E-09
3227	472363.09, 3847377.25	1.29E-05	4.08E-09	1.73E-09	1.58E-05	4.99E-09	2.12E-09	1.39E-05	4.38E-09	1.86E-09
3228	472863.09, 3847377.25	1.26E-05	3.96E-09	1.68E-09	1.54E-05	4.86E-09	2.06E-09	1.35E-05	4.26E-09	1.81E-09
3229	473363.09, 3847377.25	1.05E-05	3.33E-09	1.41E-09	1.29E-05	4.08E-09	1.73E-09	1.13E-05	3.58E-09	1.52E-09
3230	473863.09, 3847377.25	1.04E-05	3.29E-09	1.40E-09	1.28E-05	4.03E-09	1.71E-09	1.12E-05	3.53E-09	1.50E-09
3231	474363.09, 3847377.25	1.08E-05	3.42E-09	1.45E-09	1.33E-05	4.19E-09	1.78E-09	1.16E-05	3.67E-09	1.56E-09
3232	474863.09, 3847377.25	1.00E-05	3.16E-09	1.34E-09	1.23E-05	3.88E-09	1.64E-09	1.08E-05	3.40E-09	1.44E-09
3233	475363.09, 3847377.25	9.45E-06	2.98E-09	1.27E-09	1.16E-05	3.65E-09	1.55E-09	1.02E-05	3.21E-09	1.36E-09
3234	475863.09, 3847377.25	1.12E-05	3.52E-09	1.50E-09	1.37E-05	4.32E-09	1.83E-09	1.20E-05	3.79E-09	1.61E-09
3235	476363.09, 3847377.25	1.48E-05	4.67E-09	1.98E-09	1.81E-05	5.71E-09	2.42E-09	1.59E-05	5.01E-09	2.13E-09
3236	476863.09, 3847377.25	1.70E-05	5.36E-09	2.27E-09	2.08E-05	6.56E-09	2.79E-09	1.82E-05	5.76E-09	2.44E-09
3237	477363.09, 3847377.25	1.74E-05	5.50E-09	2.33E-09	2.13E-05	6.73E-09	2.86E-09	1.87E-05	5.90E-09	2.51E-09
3238	477863.09, 3847377.25	1.58E-05	4.98E-09	2.11E-09	1.93E-05	6.10E-09	2.59E-09	1.69E-05	5.35E-09	2.27E-09
3239	478363.09, 3847377.25	1.40E-05	4.40E-09	1.87E-09	1.71E-05	5.39E-09	2.29E-09	1.50E-05	4.73E-09	2.01E-09
3240	478863.09, 3847377.25	1.24E-05	3.90E-09	1.66E-09	1.52E-05	4.78E-09	2.03E-09	1.33E-05	4.19E-09	1.78E-09
3241	479363.09, 3847377.25	9.93E-06	3.13E-09	1.33E-09	1.22E-05	3.84E-09	1.63E-09	1.07E-05	3.37E-09	1.43E-09
3242	479863.09, 3847377.25	7.38E-06	2.33E-09	9.89E-10	9.05E-06	2.85E-09	1.21E-09	7.93E-06	2.50E-09	1.06E-09
3243	480363.09, 3847377.25	5.05E-06	1.59E-09	6.76E-10	6.18E-06	1.95E-09	8.28E-10	5.42E-06	1.71E-09	7.26E-10
3244	480863.09, 3847377.25	4.48E-06	1.41E-09	6.00E-10	5.49E-06	1.73E-09	7.35E-10	4.81E-06	1.52E-09	6.44E-10
3245	481363.09, 3847377.25	4.91E-06	1.55E-09	6.57E-10	6.01E-06	1.90E-09	8.05E-10	5.27E-06	1.66E-09	7.06E-10
3246	481863.09, 3847377.25	6.22E-06	1.96E-09	8.33E-10	7.62E-06	2.41E-09	1.02E-09	6.68E-06	2.11E-09	8.95E-10
3247	482363.09, 3847377.25	5.79E-06	1.83E-09	7.75E-10	7.09E-06	2.24E-09	9.49E-10	6.22E-06	1.96E-09	8.32E-10
3248	482863.09, 3847377.25	5.28E-06	1.67E-09	7.07E-10	6.46E-06	2.04E-09	8.66E-10	5.67E-06	1.79E-09	7.59E-10
3249	483363.09, 3847377.25	5.02E-06	1.58E-09	6.72E-10	6.14E-06	1.94E-09	8.23E-10	5.39E-06	1.70E-09	7.22E-10
3250	483863.09, 3847377.25	4.82E-06	1.52E-09	6.46E-10	5.91E-06	1.86E-09	7.91E-10	5.18E-06	1.64E-09	6.94E-10
3251	484363.09, 3847377.25	4.92E-06	1.55E-09	6.58E-10	6.02E-06	1.90E-09	8.06E-10	5.28E-06	1.67E-09	7.07E-10
3252	484863.09, 3847377.25	4.61E-06	1.45E-09	6.17E-10	5.65E-06	1.78E-09	7.56E-10	4.95E-06	1.56E-09	6.63E-10
3253	485363.09, 3847377.25	4.43E-06	1.40E-09	5.94E-10	5.43E-06	1.71E-09	7.27E-10	4.76E-06	1.50E-09	6.38E-10
3254	485863.09, 3847377.25	4.27E-06	1.35E-09	5.72E-10	5.23E-06	1.65E-09	7.00E-10	4.59E-06	1.45E-09	6.14E-10
3255	486363.09, 3847377.25	4.18E-06	1.32E-09	5.60E-10	5.13E-06	1.62E-09	6.86E-10	4.50E-06	1.42E-09	6.02E-10
3256	486863.09, 3847377.25	3.76E-06	1.19E-09	5.03E-10	4.60E-06	1.45E-09	6.16E-10	4.04E-06	1.27E-09	5.41E-10
3257	487363.09, 3847377.25	3.72E-06	1.17E-09	4.98E-10	4.56E-06	1.44E-09	6.10E-10	4.00E-06	1.26E-09	5.35E-10
3258	487863.09, 3847377.25	3.42E-06	1.08E-09	4.58E-10	4.19E-06	1.32E-09	5.61E-10	3.67E-06	1.16E-09	4.92E-10
3259	488363.09, 3847377.25	3.35E-06	1.06E-09	4.48E-10	4.10E-06	1.29E-09	5.49E-10	3.59E-06	1.13E-09	4.81E-10
3260	488863.09, 3847377.25	3.30E-06	1.04E-09	4.42E-10	4.04E-06	1.28E-09	5.41E-10	3.54E-06	1.12E-09	4.75E-10

3261	489363.09, 3847377.25	3.30E-06	1.04E-09	4.42E-10	4.04E-06	1.28E-09	5.41E-10	3.54E-06	1.12E-09	4.75E-10
3262	489863.09, 3847377.25	3.18E-06	1.00E-09	4.25E-10	3.89E-06	1.23E-09	5.21E-10	3.41E-06	1.08E-09	4.57E-10
3263	490363.09, 3847377.25	3.11E-06	9.83E-10	4.17E-10	3.81E-06	1.20E-09	5.11E-10	3.34E-06	1.05E-09	4.47E-10
3264	490863.09, 3847377.25	3.17E-06	1.00E-09	4.24E-10	3.88E-06	1.23E-09	5.20E-10	3.40E-06	1.07E-09	4.56E-10
3265	491363.09, 3847377.25	3.20E-06	1.01E-09	4.28E-10	3.92E-06	1.24E-09	5.25E-10	3.43E-06	1.08E-09	4.60E-10
3266	491863.09, 3847377.25	3.49E-06	1.10E-09	4.67E-10	4.27E-06	1.35E-09	5.72E-10	3.75E-06	1.18E-09	5.02E-10
3267	492363.09, 3847377.25	3.57E-06	1.13E-09	4.78E-10	4.37E-06	1.38E-09	5.86E-10	3.83E-06	1.21E-09	5.14E-10
3268	492863.09, 3847377.25	3.84E-06	1.21E-09	5.15E-10	4.71E-06	1.49E-09	6.30E-10	4.13E-06	1.30E-09	5.53E-10
3269	493363.09, 3847377.25	4.06E-06	1.28E-09	5.43E-10	4.97E-06	1.57E-09	6.65E-10	4.36E-06	1.37E-09	5.83E-10
3270	493863.09, 3847377.25	4.19E-06	1.32E-09	5.61E-10	5.14E-06	1.62E-09	6.88E-10	4.50E-06	1.42E-09	6.03E-10
3271	494363.09, 3847377.25	4.35E-06	1.37E-09	5.83E-10	5.33E-06	1.68E-09	7.14E-10	4.68E-06	1.48E-09	6.26E-10
3272	494863.09, 3847377.25	4.61E-06	1.45E-09	6.17E-10	5.64E-06	1.78E-09	7.55E-10	4.94E-06	1.56E-09	6.62E-10
3273	495363.09, 3847377.25	4.89E-06	1.54E-09	6.55E-10	5.99E-06	1.89E-09	8.02E-10	5.25E-06	1.66E-09	7.03E-10
3274	495863.09, 3847377.25	5.22E-06	1.65E-09	6.99E-10	6.40E-06	2.02E-09	8.56E-10	5.60E-06	1.77E-09	7.50E-10
3275	496363.09, 3847377.25	5.55E-06	1.75E-09	7.44E-10	6.80E-06	2.15E-09	9.11E-10	5.96E-06	1.88E-09	7.98E-10
3276	496863.09, 3847377.25	6.09E-06	1.92E-09	8.15E-10	7.46E-06	2.35E-09	9.99E-10	6.53E-06	2.06E-09	8.75E-10
3277	497363.09, 3847377.25	6.82E-06	2.15E-09	9.13E-10	8.35E-06	2.64E-09	1.12E-09	7.32E-06	2.31E-09	9.80E-10
3278	497863.09, 3847377.25	7.68E-06	2.43E-09	1.03E-09	9.41E-06	2.97E-09	1.26E-09	8.25E-06	2.60E-09	1.10E-09
3279	498363.09, 3847377.25	8.09E-06	2.55E-09	1.08E-09	9.92E-06	3.13E-09	1.33E-09	8.69E-06	2.74E-09	1.16E-09
3280	471363.09, 3847877.25	1.34E-05	4.24E-09	1.80E-09	1.64E-05	5.19E-09	2.20E-09	1.44E-05	4.55E-09	1.93E-09
3281	471863.09, 3847877.25	1.38E-05	4.35E-09	1.84E-09	1.69E-05	5.32E-09	2.26E-09	1.48E-05	4.67E-09	1.98E-09
3282	472363.09, 3847877.25	1.40E-05	4.43E-09	1.88E-09	1.72E-05	5.42E-09	2.30E-09	1.51E-05	4.75E-09	2.02E-09
3283	472863.09, 3847877.25	1.42E-05	4.48E-09	1.90E-09	1.74E-05	5.49E-09	2.33E-09	1.52E-05	4.81E-09	2.04E-09
3284	473363.09, 3847877.25	1.44E-05	4.54E-09	1.93E-09	1.76E-05	5.56E-09	2.36E-09	1.54E-05	4.88E-09	2.07E-09
3285	473863.09, 3847877.25	1.38E-05	4.36E-09	1.85E-09	1.69E-05	5.34E-09	2.27E-09	1.48E-05	4.68E-09	1.99E-09
3286	474363.09, 3847877.25	1.21E-05	3.81E-09	1.61E-09	1.48E-05	4.66E-09	1.98E-09	1.30E-05	4.09E-09	1.73E-09
3287	474863.09, 3847877.25	1.25E-05	3.94E-09	1.67E-09	1.53E-05	4.83E-09	2.05E-09	1.34E-05	4.23E-09	1.80E-09
3288	475363.09, 3847877.25	1.14E-05	3.61E-09	1.53E-09	1.40E-05	4.42E-09	1.88E-09	1.23E-05	3.88E-09	1.65E-09
3289	475863.09, 3847877.25	1.06E-05	3.33E-09	1.41E-09	1.29E-05	4.08E-09	1.73E-09	1.13E-05	3.58E-09	1.52E-09
3290	476363.09, 3847877.25	1.32E-05	4.17E-09	1.77E-09	1.62E-05	5.11E-09	2.17E-09	1.42E-05	4.48E-09	1.90E-09
3291	476863.09, 3847877.25	1.64E-05	5.19E-09	2.20E-09	2.01E-05	6.35E-09	2.70E-09	1.77E-05	5.57E-09	2.36E-09
3292	477363.09, 3847877.25	1.94E-05	6.14E-09	2.60E-09	2.38E-05	7.52E-09	3.19E-09	2.09E-05	6.59E-09	2.80E-09
3293	477863.09, 3847877.25	1.97E-05	6.21E-09	2.63E-09	2.41E-05	7.60E-09	3.23E-09	2.11E-05	6.67E-09	2.83E-09
3294	478363.09, 3847877.25	1.78E-05	5.63E-09	2.39E-09	2.18E-05	6.89E-09	2.92E-09	1.92E-05	6.05E-09	2.56E-09
3295	478863.09, 3847877.25	1.54E-05	4.86E-09	2.06E-09	1.89E-05	5.96E-09	2.53E-09	1.65E-05	5.22E-09	2.22E-09
3296	479363.09, 3847877.25	1.03E-05	3.24E-09	1.38E-09	1.26E-05	3.97E-09	1.69E-09	1.10E-05	3.48E-09	1.48E-09
3297	479863.09, 3847877.25	5.97E-06	1.88E-09	8.00E-10	7.31E-06	2.31E-09	9.79E-10	6.42E-06	2.02E-09	8.59E-10
3298	480363.09, 3847877.25	6.17E-06	1.95E-09	8.26E-10	7.56E-06	2.39E-09	1.01E-09	6.63E-06	2.09E-09	8.87E-10
3299	480863.09, 3847877.25	5.35E-06	1.69E-09	7.17E-10	6.55E-06	2.07E-09	8.78E-10	5.75E-06	1.81E-09	7.70E-10
3300	481363.09, 3847877.25	5.40E-06	1.70E-09	7.23E-10	6.61E-06	2.09E-09	8.85E-10	5.80E-06	1.83E-09	7.77E-10
3301	481863.09, 3847877.25	7.41E-06	2.34E-09	9.92E-10	9.08E-06	2.87E-09	1.22E-09	7.96E-06	2.51E-09	1.07E-09
3302	482363.09, 3847877.25	6.92E-06	2.18E-09	9.27E-10	8.48E-06	2.67E-09	1.13E-09	7.43E-06	2.35E-09	9.95E-10
3303	482863.09, 3847877.25	6.02E-06	1.90E-09	8.07E-10	7.38E-06	2.33E-09	9.88E-10	6.47E-06	2.04E-09	8.67E-10
3304	483363.09, 3847877.25	5.80E-06	1.83E-09	7.77E-10	7.11E-06	2.24E-09	9.52E-10	6.23E-06	1.97E-09	8.35E-10
3305	483863.09, 3847877.25	5.64E-06	1.78E-09	7.55E-10	6.91E-06	2.18E-09	9.25E-10	6.06E-06	1.91E-09	8.11E-10
3306	484363.09, 3847877.25	5.73E-06	1.81E-09	7.67E-10	7.01E-06	2.21E-09	9.39E-10	6.15E-06	1.94E-09	8.23E-10
3307	484863.09, 3847877.25	5.47E-06	1.73E-09	7.32E-10	6.70E-06	2.11E-09	8.97E-10	5.88E-06	1.86E-09	7.87E-10
3308	485363.09, 3847877.25	5.37E-06	1.69E-09	7.19E-10	6.57E-06	2.08E-09	8.80E-10	5.77E-06	1.82E-09	7.72E-10
3309	485863.09, 3847877.25	5.24E-06	1.65E-09	7.01E-10	6.41E-06	2.02E-09	8.59E-10	5.62E-06	1.77E-09	7.53E-10
3310	486363.09, 3847877.25	4.78E-06	1.51E-09	6.40E-10	5.86E-06	1.85E-09	7.84E-10	5.14E-06	1.62E-09	6.88E-10
3311	486863.09, 3847877.25	4.48E-06	1.41E-09	6.00E-10	5.49E-06	1.73E-09	7.35E-10	4.81E-06	1.52E-09	6.45E-10
3312	487363.09, 3847877.25	4.25E-06	1.34E-09	5.69E-10	5.20E-06	1.64E-09	6.97E-10	4.56E-06	1.44E-09	6.11E-10
3313	487863.09, 3847877.25	3.97E-06	1.25E-09	5.31E-10	4.86E-06	1.53E-09	6.51E-10	4.26E-06	1.35E-09	5.71E-10
3314	488363.09, 3847877.25	3.85E-06	1.22E-09	5.16E-10	4.72E-06	1.49E-09	6.32E-10	4.14E-06	1.31E-09	5.54E-10
3315	488863.09, 3847877.25	3.83E-06	1.21E-09	5.12E-10	4.69E-06	1.48E-09	6.28E-10	4.11E-06	1.30E-09	5.51E-10
3316	489363.09, 3847877.25	3.87E-06	1.22E-09	5.19E-10	4.74E-06	1.50E-09	6.35E-10	4.16E-06	1.31E-09	5.57E-10
3317	489863.09, 3847877.25	4.12E-06	1.30E-09	5.51E-10	5.04E-06	1.59E-09	6.75E-10	4.42E-06	1.39E-09	5.92E-10
3318	490363.09, 3847877.25	4.18E-06	1.32E-09	5.60E-10	5.12E-06	1.62E-09	6.86E-10	4.49E-06	1.42E-09	6.01E-10
3319	490863.09, 3847877.25	4.13E-06	1.30E-09	5.53E-10	5.06E-06	1.60E-09	6.77E-10	4.43E-06	1.40E-09	5.93E-10
3320	491363.09, 3847877.25	4.00E-06	1.26E-09	5.36E-10	4.90E-06	1.55E-09	6.56E-10	4.30E-06	1.36E-09	5.75E-10
3321	491863.09, 3847877.25	4.14E-06	1.31E-09	5.54E-10	5.07E-06	1.60E-09	6.79E-10	4.44E-06	1.40E-09	5.95E-10
3322	492363.09, 3847877.25	4.37E-06	1.38E-09	5.86E-10	5.36E-06	1.69E-09	7.18E-10	4.70E-06	1.48E-09	6.29E-10
3323	492863.09, 3847877.25	4.53E-06	1.43E-09	6.06E-10	5.54E-06	1.75E-09	7.43E-10	4.86E-06	1.53E-09	6.51E-10
3324	493363.09, 3847877.25	4.51E-06	1.42E-09	6.04E-10	5.52E-06	1.74E-09	7.39E-10	4.84E-06	1.53E-09	6.48E-10

3325	493863.09, 3847877.25	4.61E-06	1.46E-09	6.18E-10	5.65E-06	1.78E-09	7.56E-10	4.95E-06	1.56E-09	6.63E-10
3326	494363.09, 3847877.25	4.82E-06	1.52E-09	6.46E-10	5.91E-06	1.86E-09	7.91E-10	5.18E-06	1.63E-09	6.93E-10
3327	494863.09, 3847877.25	5.13E-06	1.62E-09	6.87E-10	6.28E-06	1.98E-09	8.41E-10	5.50E-06	1.74E-09	7.37E-10
3328	495363.09, 3847877.25	5.30E-06	1.67E-09	7.10E-10	6.49E-06	2.05E-09	8.70E-10	5.69E-06	1.80E-09	7.62E-10
3329	495863.09, 3847877.25	5.06E-06	1.60E-09	6.78E-10	6.20E-06	1.96E-09	8.30E-10	5.43E-06	1.71E-09	7.27E-10
3330	496363.09, 3847877.25	6.07E-06	1.92E-09	8.13E-10	7.43E-06	2.35E-09	9.95E-10	6.51E-06	2.06E-09	8.72E-10
3331	496863.09, 3847877.25	6.68E-06	2.11E-09	8.95E-10	8.19E-06	2.58E-09	1.10E-09	7.17E-06	2.26E-09	9.61E-10
3332	497363.09, 3847877.25	7.45E-06	2.35E-09	9.97E-10	9.12E-06	2.88E-09	1.22E-09	8.00E-06	2.52E-09	1.07E-09
3333	497863.09, 3847877.25	8.86E-06	2.80E-09	1.19E-09	1.09E-05	3.43E-09	1.45E-09	9.52E-06	3.00E-09	1.27E-09
3334	498363.09, 3847877.25	9.67E-06	3.05E-09	1.29E-09	1.18E-05	3.74E-09	1.59E-09	1.04E-05	3.28E-09	1.39E-09
3335	471363.09, 3848377.25	1.37E-05	4.32E-09	1.83E-09	1.68E-05	5.29E-09	2.24E-09	1.47E-05	4.64E-09	1.97E-09
3336	471863.09, 3848377.25	1.45E-05	4.56E-09	1.94E-09	1.77E-05	5.59E-09	2.37E-09	1.55E-05	4.90E-09	2.08E-09
3337	472363.09, 3848377.25	1.50E-05	4.73E-09	2.01E-09	1.83E-05	5.79E-09	2.46E-09	1.61E-05	5.08E-09	2.15E-09
3338	472863.09, 3848377.25	1.54E-05	4.85E-09	2.06E-09	1.88E-05	5.95E-09	2.52E-09	1.65E-05	5.21E-09	2.21E-09
3339	473363.09, 3848377.25	1.56E-05	4.93E-09	2.09E-09	1.91E-05	6.04E-09	2.56E-09	1.68E-05	5.30E-09	2.25E-09
3340	473863.09, 3848377.25	1.59E-05	5.01E-09	2.13E-09	1.94E-05	6.14E-09	2.60E-09	1.71E-05	5.38E-09	2.28E-09
3341	474363.09, 3848377.25	1.56E-05	4.92E-09	2.09E-09	1.91E-05	6.02E-09	2.56E-09	1.67E-05	5.28E-09	2.24E-09
3342	474863.09, 3848377.25	1.41E-05	4.44E-09	1.89E-09	1.72E-05	5.44E-09	2.31E-09	1.51E-05	4.77E-09	2.03E-09
3343	475363.09, 3848377.25	1.48E-05	4.68E-09	1.98E-09	1.81E-05	5.73E-09	2.43E-09	1.59E-05	5.02E-09	2.13E-09
3344	475863.09, 3848377.25	1.35E-05	4.26E-09	1.81E-09	1.65E-05	5.21E-09	2.21E-09	1.45E-05	4.57E-09	1.94E-09
3345	476363.09, 3848377.25	1.20E-05	3.80E-09	1.61E-09	1.47E-05	4.65E-09	1.97E-09	1.29E-05	4.08E-09	1.73E-09
3346	476863.09, 3848377.25	1.52E-05	4.80E-09	2.04E-09	1.86E-05	5.88E-09	2.49E-09	1.63E-05	5.15E-09	2.19E-09
3347	477363.09, 3848377.25	1.81E-05	5.73E-09	2.43E-09	2.22E-05	7.01E-09	2.98E-09	1.95E-05	6.15E-09	2.61E-09
3348	477863.09, 3848377.25	2.18E-05	6.88E-09	2.92E-09	2.67E-05	8.43E-09	3.58E-09	2.34E-05	7.39E-09	3.14E-09
3349	478363.09, 3848377.25	2.19E-05	6.90E-09	2.93E-09	2.68E-05	8.45E-09	3.59E-09	2.35E-05	7.41E-09	3.14E-09
3350	478863.09, 3848377.25	1.90E-05	5.98E-09	2.54E-09	2.32E-05	7.33E-09	3.11E-09	2.04E-05	6.43E-09	2.73E-09
3351	479363.09, 3848377.25	1.29E-05	4.07E-09	1.73E-09	1.58E-05	4.99E-09	2.12E-09	1.38E-05	4.37E-09	1.85E-09
3352	479863.09, 3848377.25	4.41E-06	1.39E-09	5.91E-10	5.40E-06	1.71E-09	7.23E-10	4.74E-06	1.50E-09	6.34E-10
3353	480363.09, 3848377.25	6.25E-06	1.97E-09	8.38E-10	7.66E-06	2.42E-09	1.03E-09	6.72E-06	2.12E-09	9.00E-10
3354	480863.09, 3848377.25	8.80E-06	2.78E-09	1.18E-09	1.08E-05	3.40E-09	1.44E-09	9.45E-06	2.98E-09	1.27E-09
3355	481363.09, 3848377.25	8.62E-06	2.72E-09	1.15E-09	1.06E-05	3.33E-09	1.41E-09	9.26E-06	2.92E-09	1.24E-09
3356	481863.09, 3848377.25	8.77E-06	2.77E-09	1.18E-09	1.07E-05	3.39E-09	1.44E-09	9.43E-06	2.98E-09	1.26E-09
3357	482363.09, 3848377.25	8.78E-06	2.77E-09	1.18E-09	1.08E-05	3.40E-09	1.44E-09	9.43E-06	2.98E-09	1.26E-09
3358	482863.09, 3848377.25	7.37E-06	2.33E-09	9.87E-10	9.03E-06	2.85E-09	1.21E-09	7.92E-06	2.50E-09	1.06E-09
3359	483363.09, 3848377.25	7.12E-06	2.25E-09	9.53E-10	8.72E-06	2.75E-09	1.17E-09	7.65E-06	2.41E-09	1.02E-09
3360	483863.09, 3848377.25	6.42E-06	2.03E-09	8.60E-10	7.86E-06	2.48E-09	1.05E-09	6.90E-06	2.18E-09	9.24E-10
3361	484363.09, 3848377.25	6.31E-06	1.99E-09	8.45E-10	7.73E-06	2.44E-09	1.04E-09	6.78E-06	2.14E-09	9.08E-10
3362	484863.09, 3848377.25	6.72E-06	2.12E-09	9.00E-10	8.23E-06	2.60E-09	1.10E-09	7.22E-06	2.28E-09	9.67E-10
3363	485363.09, 3848377.25	6.36E-06	2.01E-09	8.51E-10	7.79E-06	2.46E-09	1.04E-09	6.83E-06	2.16E-09	9.15E-10
3364	485863.09, 3848377.25	6.13E-06	1.93E-09	8.20E-10	7.50E-06	2.37E-09	1.00E-09	6.58E-06	2.08E-09	8.81E-10
3365	486363.09, 3848377.25	5.71E-06	1.80E-09	7.64E-10	6.99E-06	2.21E-09	9.36E-10	6.13E-06	1.94E-09	8.21E-10
3366	486863.09, 3848377.25	5.24E-06	1.65E-09	7.02E-10	6.42E-06	2.03E-09	8.60E-10	5.63E-06	1.78E-09	7.54E-10
3367	487363.09, 3848377.25	4.73E-06	1.49E-09	6.34E-10	5.80E-06	1.83E-09	7.77E-10	5.09E-06	1.61E-09	6.81E-10
3368	487863.09, 3848377.25	4.62E-06	1.46E-09	6.19E-10	5.66E-06	1.79E-09	7.58E-10	4.96E-06	1.57E-09	6.65E-10
3369	488363.09, 3848377.25	4.50E-06	1.42E-09	6.02E-10	5.51E-06	1.74E-09	7.38E-10	4.83E-06	1.53E-09	6.47E-10
3370	488863.09, 3848377.25	4.53E-06	1.43E-09	6.07E-10	5.55E-06	1.75E-09	7.44E-10	4.87E-06	1.54E-09	6.52E-10
3371	489363.09, 3848377.25	4.69E-06	1.48E-09	6.28E-10	5.75E-06	1.81E-09	7.70E-10	5.04E-06	1.59E-09	6.75E-10
3372	489863.09, 3848377.25	5.07E-06	1.60E-09	6.79E-10	6.21E-06	1.96E-09	8.32E-10	5.44E-06	1.72E-09	7.29E-10
3373	490363.09, 3848377.25	5.08E-06	1.60E-09	6.80E-10	6.22E-06	1.96E-09	8.33E-10	5.45E-06	1.72E-09	7.30E-10
3374	490863.09, 3848377.25	4.93E-06	1.56E-09	6.60E-10	6.04E-06	1.91E-09	8.08E-10	5.29E-06	1.67E-09	7.09E-10
3375	491363.09, 3848377.25	4.92E-06	1.55E-09	6.59E-10	6.03E-06	1.90E-09	8.07E-10	5.29E-06	1.67E-09	7.08E-10
3376	491863.09, 3848377.25	5.04E-06	1.59E-09	6.76E-10	6.18E-06	1.95E-09	8.27E-10	5.42E-06	1.71E-09	7.25E-10
3377	492363.09, 3848377.25	4.96E-06	1.57E-09	6.64E-10	6.07E-06	1.92E-09	8.13E-10	5.33E-06	1.68E-09	7.13E-10
3378	492863.09, 3848377.25	4.84E-06	1.53E-09	6.48E-10	5.93E-06	1.87E-09	7.94E-10	5.20E-06	1.64E-09	6.96E-10
3379	493363.09, 3848377.25	4.99E-06	1.57E-09	6.68E-10	6.11E-06	1.93E-09	8.18E-10	5.36E-06	1.69E-09	7.17E-10
3380	493863.09, 3848377.25	5.18E-06	1.63E-09	6.93E-10	6.34E-06	2.00E-09	8.49E-10	5.56E-06	1.75E-09	7.44E-10
3381	494363.09, 3848377.25	5.37E-06	1.69E-09	7.19E-10	6.57E-06	2.07E-09	8.80E-10	5.76E-06	1.82E-09	7.71E-10
3382	494863.09, 3848377.25	5.72E-06	1.81E-09	7.66E-10	7.01E-06	2.21E-09	9.38E-10	6.14E-06	1.94E-09	8.22E-10
3383	495363.09, 3848377.25	5.67E-06	1.79E-09	7.60E-10	6.95E-06	2.19E-09	9.31E-10	6.09E-06	1.92E-09	8.16E-10
3384	495863.09, 3848377.25	5.95E-06	1.88E-09	7.97E-10	7.29E-06	2.30E-09	9.76E-10	6.39E-06	2.02E-09	8.56E-10
3385	496363.09, 3848377.25	6.64E-06	2.10E-09	8.90E-10	8.14E-06	2.57E-09	1.09E-09	7.13E-06	2.25E-09	9.55E-10
3386	496863.09, 3848377.25	6.84E-06	2.16E-09	9.16E-10	8.38E-06	2.64E-09	1.12E-09	7.34E-06	2.32E-09	9.83E-10
3387	497363.09, 3848377.25	7.86E-06	2.48E-09	1.05E-09	9.63E-06	3.04E-09	1.29E-09	8.44E-06	2.66E-09	1.13E-09
3388	497863.09, 3848377.25	1.07E-05	3.39E-09	1.44E-09	1.31E-05	4.15E-09	1.76E-09	1.15E-05	3.64E-09	1.54E-09

3389	498363.09, 3848377.25	1.14E-05	3.61E-09	1.53E-09	1.40E-05	4.42E-09	1.87E-09	1.23E-05	3.87E-09	1.64E-09
3390	471363.09, 3848877.25	1.34E-05	4.23E-09	1.79E-09	1.64E-05	5.18E-09	2.20E-09	1.44E-05	4.54E-09	1.93E-09
3391	471863.09, 3848877.25	1.44E-05	4.56E-09	1.93E-09	1.77E-05	5.58E-09	2.37E-09	1.55E-05	4.89E-09	2.08E-09
3392	472363.09, 3848877.25	1.54E-05	4.86E-09	2.06E-09	1.89E-05	5.96E-09	2.53E-09	1.66E-05	5.23E-09	2.22E-09
3393	472863.09, 3848877.25	1.63E-05	5.13E-09	2.18E-09	1.99E-05	6.29E-09	2.67E-09	1.75E-05	5.51E-09	2.34E-09
3394	473363.09, 3848877.25	1.70E-05	5.35E-09	2.27E-09	2.08E-05	6.55E-09	2.78E-09	1.82E-05	5.75E-09	2.44E-09
3395	473863.09, 3848877.25	1.74E-05	5.48E-09	2.32E-09	2.13E-05	6.71E-09	2.85E-09	1.87E-05	5.89E-09	2.50E-09
3396	474363.09, 3848877.25	1.78E-05	5.63E-09	2.39E-09	2.18E-05	6.90E-09	2.93E-09	1.92E-05	6.05E-09	2.57E-09
3397	474863.09, 3848877.25	1.72E-05	5.44E-09	2.31E-09	2.11E-05	6.66E-09	2.82E-09	1.85E-05	5.84E-09	2.48E-09
3398	475363.09, 3848877.25	1.68E-05	5.31E-09	2.25E-09	2.06E-05	6.51E-09	2.76E-09	1.81E-05	5.71E-09	2.42E-09
3399	475863.09, 3848877.25	1.71E-05	5.41E-09	2.29E-09	2.10E-05	6.62E-09	2.81E-09	1.84E-05	5.81E-09	2.46E-09
3400	476363.09, 3848877.25	1.62E-05	5.11E-09	2.17E-09	1.98E-05	6.26E-09	2.66E-09	1.74E-05	5.49E-09	2.33E-09
3401	476863.09, 3848877.25	1.49E-05	4.71E-09	2.00E-09	1.83E-05	5.76E-09	2.45E-09	1.60E-05	5.06E-09	2.14E-09
3402	477363.09, 3848877.25	1.77E-05	5.58E-09	2.37E-09	2.17E-05	6.83E-09	2.90E-09	1.90E-05	5.99E-09	2.54E-09
3403	477863.09, 3848877.25	2.08E-05	6.56E-09	2.78E-09	2.54E-05	8.03E-09	3.41E-09	2.23E-05	7.04E-09	2.99E-09
3404	478363.09, 3848877.25	2.50E-05	7.88E-09	3.34E-09	3.06E-05	9.66E-09	4.10E-09	2.68E-05	8.47E-09	3.59E-09
3405	478863.09, 3848877.25	2.44E-05	7.69E-09	3.26E-09	2.99E-05	9.42E-09	4.00E-09	2.62E-05	8.26E-09	3.51E-09
3406	479363.09, 3848877.25	1.98E-05	6.25E-09	2.65E-09	2.43E-05	7.66E-09	3.25E-09	2.13E-05	6.72E-09	2.85E-09
3407	479863.09, 3848877.25	1.43E-05	4.51E-09	1.91E-09	1.75E-05	5.52E-09	2.34E-09	1.53E-05	4.84E-09	2.05E-09
3408	480363.09, 3848877.25	1.36E-05	4.28E-09	1.81E-09	1.66E-05	5.24E-09	2.22E-09	1.46E-05	4.60E-09	1.95E-09
3409	480863.09, 3848877.25	1.39E-05	4.38E-09	1.86E-09	1.70E-05	5.37E-09	2.28E-09	1.49E-05	4.71E-09	2.00E-09
3410	481363.09, 3848877.25	1.27E-05	4.00E-09	1.70E-09	1.55E-05	4.91E-09	2.08E-09	1.36E-05	4.30E-09	1.83E-09
3411	481863.09, 3848877.25	1.05E-05	3.32E-09	1.41E-09	1.29E-05	4.07E-09	1.72E-09	1.13E-05	3.57E-09	1.51E-09
3412	482363.09, 3848877.25	8.64E-06	2.73E-09	1.16E-09	1.06E-05	3.34E-09	1.42E-09	9.28E-06	2.93E-09	1.24E-09
3413	482863.09, 3848877.25	7.13E-06	2.25E-09	9.54E-10	8.73E-06	2.76E-09	1.17E-09	7.66E-06	2.42E-09	1.03E-09
3414	483363.09, 3848877.25	6.22E-06	1.96E-09	8.32E-10	7.61E-06	2.40E-09	1.02E-09	6.68E-06	2.11E-09	8.94E-10
3415	483863.09, 3848877.25	6.08E-06	1.92E-09	8.14E-10	7.44E-06	2.35E-09	9.97E-10	6.53E-06	2.06E-09	8.74E-10
3416	484363.09, 3848877.25	7.17E-06	2.26E-09	9.60E-10	8.78E-06	2.77E-09	1.18E-09	7.70E-06	2.43E-09	1.03E-09
3417	484863.09, 3848877.25	8.20E-06	2.59E-09	1.10E-09	1.00E-05	3.17E-09	1.34E-09	8.81E-06	2.78E-09	1.18E-09
3418	485363.09, 3848877.25	7.68E-06	2.42E-09	1.03E-09	9.40E-06	2.97E-09	1.26E-09	8.25E-06	2.61E-09	1.11E-09
3419	485863.09, 3848877.25	7.29E-06	2.30E-09	9.77E-10	8.93E-06	2.82E-09	1.20E-09	7.83E-06	2.47E-09	1.05E-09
3420	486363.09, 3848877.25	6.53E-06	2.06E-09	8.75E-10	8.00E-06	2.53E-09	1.07E-09	7.02E-06	2.22E-09	9.40E-10
3421	486863.09, 3848877.25	5.80E-06	1.83E-09	7.77E-10	7.11E-06	2.24E-09	9.51E-10	6.23E-06	1.97E-09	8.35E-10
3422	487363.09, 3848877.25	5.76E-06	1.82E-09	7.71E-10	7.06E-06	2.23E-09	9.45E-10	6.19E-06	1.95E-09	8.29E-10
3423	487863.09, 3848877.25	5.48E-06	1.73E-09	7.34E-10	6.71E-06	2.12E-09	8.99E-10	5.89E-06	1.86E-09	7.88E-10
3424	488363.09, 3848877.25	5.46E-06	1.72E-09	7.31E-10	6.69E-06	2.11E-09	8.96E-10	5.87E-06	1.85E-09	7.86E-10
3425	488863.09, 3848877.25	5.49E-06	1.73E-09	7.35E-10	6.72E-06	2.12E-09	9.00E-10	5.89E-06	1.86E-09	7.89E-10
3426	489363.09, 3848877.25	5.77E-06	1.82E-09	7.73E-10	7.07E-06	2.23E-09	9.47E-10	6.20E-06	1.96E-09	8.30E-10
3427	489863.09, 3848877.25	6.07E-06	1.92E-09	8.13E-10	7.44E-06	2.35E-09	9.96E-10	6.52E-06	2.06E-09	8.73E-10
3428	490363.09, 3848877.25	5.90E-06	1.86E-09	7.90E-10	7.23E-06	2.28E-09	9.68E-10	6.33E-06	2.00E-09	8.48E-10
3429	490863.09, 3848877.25	5.81E-06	1.83E-09	7.78E-10	7.11E-06	2.24E-09	9.52E-10	6.24E-06	1.97E-09	8.35E-10
3430	491363.09, 3848877.25	5.89E-06	1.86E-09	7.88E-10	7.21E-06	2.28E-09	9.66E-10	6.32E-06	2.00E-09	8.47E-10
3431	491863.09, 3848877.25	5.73E-06	1.81E-09	7.67E-10	7.02E-06	2.21E-09	9.39E-10	6.15E-06	1.94E-09	8.24E-10
3432	492363.09, 3848877.25	5.59E-06	1.76E-09	7.48E-10	6.85E-06	2.16E-09	9.17E-10	6.00E-06	1.89E-09	8.04E-10
3433	492863.09, 3848877.25	5.42E-06	1.71E-09	7.26E-10	6.64E-06	2.10E-09	8.90E-10	5.82E-06	1.84E-09	7.80E-10
3434	493363.09, 3848877.25	5.30E-06	1.67E-09	7.10E-10	6.49E-06	2.05E-09	8.69E-10	5.69E-06	1.80E-09	7.62E-10
3435	493863.09, 3848877.25	5.72E-06	1.81E-09	7.66E-10	7.01E-06	2.21E-09	9.39E-10	6.14E-06	1.94E-09	8.22E-10
3436	494363.09, 3848877.25	6.02E-06	1.90E-09	8.06E-10	7.37E-06	2.33E-09	9.87E-10	6.46E-06	2.04E-09	8.65E-10
3437	494863.09, 3848877.25	6.55E-06	2.07E-09	8.77E-10	8.02E-06	2.53E-09	1.07E-09	7.03E-06	2.22E-09	9.41E-10
3438	495363.09, 3848877.25	7.02E-06	2.22E-09	9.40E-10	8.60E-06	2.71E-09	1.15E-09	7.54E-06	2.38E-09	1.01E-09
3439	495863.09, 3848877.25	6.86E-06	2.17E-09	9.19E-10	8.40E-06	2.65E-09	1.13E-09	7.37E-06	2.32E-09	9.86E-10
3440	496363.09, 3848877.25	7.29E-06	2.30E-09	9.77E-10	8.93E-06	2.82E-09	1.20E-09	7.83E-06	2.47E-09	1.05E-09
3441	496863.09, 3848877.25	8.40E-06	2.65E-09	1.12E-09	1.03E-05	3.25E-09	1.38E-09	9.01E-06	2.84E-09	1.21E-09
3442	497363.09, 3848877.25	1.08E-05	3.42E-09	1.45E-09	1.33E-05	4.19E-09	1.78E-09	1.16E-05	3.67E-09	1.56E-09
3443	497863.09, 3848877.25	1.23E-05	3.89E-09	1.65E-09	1.51E-05	4.77E-09	2.02E-09	1.32E-05	4.18E-09	1.77E-09
3444	498363.09, 3848877.25	1.36E-05	4.30E-09	1.83E-09	1.67E-05	5.27E-09	2.24E-09	1.46E-05	4.62E-09	1.96E-09
3445	471363.09, 3849377.25	1.29E-05	4.09E-09	1.73E-09	1.59E-05	5.01E-09	2.12E-09	1.39E-05	4.39E-09	1.86E-09
3446	471863.09, 3849377.25	1.42E-05	4.48E-09	1.90E-09	1.74E-05	5.49E-09	2.33E-09	1.52E-05	4.81E-09	2.04E-09
3447	472363.09, 3849377.25	1.53E-05	4.82E-09	2.05E-09	1.87E-05	5.91E-09	2.51E-09	1.64E-05	5.18E-09	2.20E-09
3448	472863.09, 3849377.25	1.64E-05	5.18E-09	2.20E-09	2.01E-05	6.35E-09	2.69E-09	1.76E-05	5.57E-09	2.36E-09
3449	473363.09, 3849377.25	1.75E-05	5.52E-09	2.34E-09	2.14E-05	6.76E-09	2.87E-09	1.88E-05	5.93E-09	2.52E-09
3450	473863.09, 3849377.25	1.85E-05	5.84E-09	2.48E-09	2.27E-05	7.15E-09	3.03E-09	1.99E-05	6.27E-09	2.66E-09
3451	474363.09, 3849377.25	1.93E-05	6.09E-09	2.58E-09	2.36E-05	7.46E-09	3.16E-09	2.07E-05	6.54E-09	2.77E-09
3452	474863.09, 3849377.25	2.00E-05	6.31E-09	2.68E-09	2.45E-05	7.72E-09	3.28E-09	2.15E-05	6.77E-09	2.87E-09

3453	475363.09, 3849377.25	2.02E-05	6.38E-09	2.71E-09	2.48E-05	7.82E-09	3.32E-09	2.17E-05	6.86E-09	2.91E-09
3454	475863.09, 3849377.25	2.07E-05	6.53E-09	2.77E-09	2.53E-05	7.99E-09	3.39E-09	2.22E-05	7.01E-09	2.98E-09
3455	476363.09, 3849377.25	2.08E-05	6.57E-09	2.79E-09	2.55E-05	8.05E-09	3.42E-09	2.24E-05	7.06E-09	3.00E-09
3456	476863.09, 3849377.25	2.00E-05	6.32E-09	2.68E-09	2.45E-05	7.74E-09	3.29E-09	2.15E-05	6.79E-09	2.88E-09
3457	477363.09, 3849377.25	1.88E-05	5.94E-09	2.52E-09	2.30E-05	7.27E-09	3.09E-09	2.02E-05	6.38E-09	2.71E-09
3458	477863.09, 3849377.25	1.94E-05	6.12E-09	2.60E-09	2.37E-05	7.49E-09	3.18E-09	2.08E-05	6.57E-09	2.79E-09
3459	478363.09, 3849377.25	2.37E-05	7.48E-09	3.18E-09	2.90E-05	9.17E-09	3.89E-09	2.55E-05	8.04E-09	3.41E-09
3460	478863.09, 3849377.25	2.75E-05	8.67E-09	3.68E-09	3.36E-05	1.06E-08	4.51E-09	2.95E-05	9.31E-09	3.95E-09
3461	479363.09, 3849377.25	2.74E-05	8.64E-09	3.67E-09	3.35E-05	1.06E-08	4.49E-09	2.94E-05	9.28E-09	3.94E-09
3462	479863.09, 3849377.25	2.13E-05	6.74E-09	2.86E-09	2.61E-05	8.25E-09	3.50E-09	2.29E-05	7.24E-09	3.07E-09
3463	480363.09, 3849377.25	2.11E-05	6.64E-09	2.82E-09	2.58E-05	8.14E-09	3.45E-09	2.26E-05	7.14E-09	3.03E-09
3464	480863.09, 3849377.25	1.84E-05	5.82E-09	2.47E-09	2.26E-05	7.13E-09	3.02E-09	1.98E-05	6.25E-09	2.65E-09
3465	481363.09, 3849377.25	1.52E-05	4.81E-09	2.04E-09	1.87E-05	5.89E-09	2.50E-09	1.64E-05	5.16E-09	2.19E-09
3466	481863.09, 3849377.25	1.02E-05	3.22E-09	1.37E-09	1.25E-05	3.95E-09	1.68E-09	1.10E-05	3.46E-09	1.47E-09
3467	482363.09, 3849377.25	8.78E-06	2.77E-09	1.18E-09	1.08E-05	3.39E-09	1.44E-09	9.43E-06	2.98E-09	1.26E-09
3468	482863.09, 3849377.25	7.12E-06	2.25E-09	9.54E-10	8.73E-06	2.75E-09	1.17E-09	7.65E-06	2.42E-09	1.02E-09
3469	483363.09, 3849377.25	6.46E-06	2.04E-09	8.65E-10	7.91E-06	2.50E-09	1.06E-09	6.94E-06	2.19E-09	9.29E-10
3470	483863.09, 3849377.25	5.54E-06	1.75E-09	7.42E-10	6.78E-06	2.14E-09	9.09E-10	5.95E-06	1.88E-09	7.97E-10
3471	484363.09, 3849377.25	7.99E-06	2.52E-09	1.07E-09	9.78E-06	3.09E-09	1.31E-09	8.58E-06	2.71E-09	1.15E-09
3472	484863.09, 3849377.25	9.81E-06	3.10E-09	1.31E-09	1.20E-05	3.79E-09	1.61E-09	1.05E-05	3.33E-09	1.41E-09
3473	485363.09, 3849377.25	9.32E-06	2.94E-09	1.25E-09	1.14E-05	3.60E-09	1.53E-09	1.00E-05	3.16E-09	1.34E-09
3474	485863.09, 3849377.25	6.98E-06	2.20E-09	9.34E-10	8.55E-06	2.70E-09	1.14E-09	7.49E-06	2.36E-09	1.00E-09
3475	486363.09, 3849377.25	5.73E-06	1.81E-09	7.67E-10	7.02E-06	2.22E-09	9.40E-10	6.16E-06	1.94E-09	8.24E-10
3476	486863.09, 3849377.25	6.70E-06	2.11E-09	8.97E-10	8.20E-06	2.59E-09	1.10E-09	7.20E-06	2.27E-09	9.64E-10
3477	487363.09, 3849377.25	6.89E-06	2.17E-09	9.22E-10	8.44E-06	2.66E-09	1.13E-09	7.40E-06	2.33E-09	9.91E-10
3478	487863.09, 3849377.25	6.65E-06	2.10E-09	8.90E-10	8.14E-06	2.57E-09	1.09E-09	7.14E-06	2.25E-09	9.57E-10
3479	488363.09, 3849377.25	6.69E-06	2.11E-09	8.96E-10	8.19E-06	2.59E-09	1.10E-09	7.18E-06	2.27E-09	9.62E-10
3480	488863.09, 3849377.25	6.96E-06	2.20E-09	9.32E-10	8.52E-06	2.69E-09	1.14E-09	7.47E-06	2.36E-09	1.00E-09
3481	489363.09, 3849377.25	7.21E-06	2.28E-09	9.66E-10	8.84E-06	2.79E-09	1.18E-09	7.74E-06	2.44E-09	1.04E-09
3482	489863.09, 3849377.25	7.28E-06	2.30E-09	9.75E-10	8.91E-06	2.81E-09	1.19E-09	7.82E-06	2.47E-09	1.05E-09
3483	490363.09, 3849377.25	7.05E-06	2.23E-09	9.44E-10	8.64E-06	2.73E-09	1.16E-09	7.57E-06	2.39E-09	1.01E-09
3484	490863.09, 3849377.25	7.04E-06	2.22E-09	9.43E-10	8.62E-06	2.72E-09	1.15E-09	7.56E-06	2.39E-09	1.01E-09
3485	491363.09, 3849377.25	7.10E-06	2.24E-09	9.51E-10	8.70E-06	2.75E-09	1.16E-09	7.63E-06	2.41E-09	1.02E-09
3486	491863.09, 3849377.25	6.94E-06	2.19E-09	9.30E-10	8.51E-06	2.69E-09	1.14E-09	7.46E-06	2.35E-09	9.99E-10
3487	492363.09, 3849377.25	6.86E-06	2.17E-09	9.19E-10	8.41E-06	2.65E-09	1.13E-09	7.37E-06	2.33E-09	9.87E-10
3488	492863.09, 3849377.25	6.46E-06	2.04E-09	8.65E-10	7.91E-06	2.50E-09	1.06E-09	6.94E-06	2.19E-09	9.29E-10
3489	493363.09, 3849377.25	6.59E-06	2.08E-09	8.83E-10	8.07E-06	2.55E-09	1.08E-09	7.08E-06	2.23E-09	9.47E-10
3490	493863.09, 3849377.25	6.87E-06	2.17E-09	9.20E-10	8.42E-06	2.66E-09	1.13E-09	7.37E-06	2.33E-09	9.88E-10
3491	494363.09, 3849377.25	7.46E-06	2.35E-09	9.99E-10	9.14E-06	2.88E-09	1.22E-09	8.01E-06	2.53E-09	1.07E-09
3492	494863.09, 3849377.25	8.84E-06	2.79E-09	1.18E-09	1.08E-05	3.42E-09	1.45E-09	9.49E-06	2.99E-09	1.27E-09
3493	495363.09, 3849377.25	9.62E-06	3.04E-09	1.29E-09	1.18E-05	3.72E-09	1.58E-09	1.03E-05	3.26E-09	1.38E-09
3494	495863.09, 3849377.25	8.20E-06	2.59E-09	1.10E-09	1.00E-05	3.17E-09	1.35E-09	8.81E-06	2.78E-09	1.18E-09
3495	496363.09, 3849377.25	8.34E-06	2.63E-09	1.12E-09	1.02E-05	3.23E-09	1.37E-09	8.96E-06	2.83E-09	1.20E-09
3496	496863.09, 3849377.25	1.12E-05	3.55E-09	1.50E-09	1.38E-05	4.34E-09	1.84E-09	1.21E-05	3.81E-09	1.62E-09
3497	497363.09, 3849377.25	1.26E-05	3.97E-09	1.69E-09	1.54E-05	4.87E-09	2.07E-09	1.35E-05	4.27E-09	1.81E-09
3498	497863.09, 3849377.25	1.67E-05	5.26E-09	2.23E-09	2.04E-05	6.44E-09	2.73E-09	1.79E-05	5.65E-09	2.40E-09
3499	498363.09, 3849377.25	1.65E-05	5.21E-09	2.21E-09	2.02E-05	6.38E-09	2.71E-09	1.77E-05	5.60E-09	2.37E-09
3500	471363.09, 3849877.25	1.20E-05	3.78E-09	1.60E-09	1.47E-05	4.63E-09	1.96E-09	1.29E-05	4.06E-09	1.72E-09
3501	471863.09, 3849877.25	1.35E-05	4.26E-09	1.81E-09	1.65E-05	5.22E-09	2.21E-09	1.45E-05	4.58E-09	1.94E-09
3502	472363.09, 3849877.25	1.50E-05	4.73E-09	2.01E-09	1.84E-05	5.79E-09	2.46E-09	1.61E-05	5.08E-09	2.16E-09
3503	472863.09, 3849877.25	1.63E-05	5.15E-09	2.19E-09	2.00E-05	6.31E-09	2.68E-09	1.75E-05	5.54E-09	2.35E-09
3504	473363.09, 3849877.25	1.74E-05	5.50E-09	2.34E-09	2.14E-05	6.74E-09	2.86E-09	1.87E-05	5.91E-09	2.51E-09
3505	473863.09, 3849877.25	1.88E-05	5.93E-09	2.52E-09	2.30E-05	7.26E-09	3.08E-09	2.02E-05	6.37E-09	2.70E-09
3506	474363.09, 3849877.25	2.01E-05	6.36E-09	2.70E-09	2.47E-05	7.79E-09	3.30E-09	2.16E-05	6.83E-09	2.90E-09
3507	474863.09, 3849877.25	2.13E-05	6.73E-09	2.86E-09	2.61E-05	8.24E-09	3.50E-09	2.29E-05	7.23E-09	3.07E-09
3508	475363.09, 3849877.25	2.22E-05	7.00E-09	2.97E-09	2.72E-05	8.57E-09	3.64E-09	2.38E-05	7.52E-09	3.19E-09
3509	475863.09, 3849877.25	2.29E-05	7.24E-09	3.07E-09	2.81E-05	8.87E-09	3.76E-09	2.46E-05	7.78E-09	3.30E-09
3510	476363.09, 3849877.25	2.35E-05	7.42E-09	3.15E-09	2.88E-05	9.09E-09	3.86E-09	2.53E-05	7.97E-09	3.38E-09
3511	476863.09, 3849877.25	2.41E-05	7.62E-09	3.23E-09	2.96E-05	9.33E-09	3.96E-09	2.59E-05	8.18E-09	3.47E-09
3512	477363.09, 3849877.25	2.43E-05	7.68E-09	3.26E-09	2.98E-05	9.40E-09	3.99E-09	2.61E-05	8.25E-09	3.50E-09
3513	477863.09, 3849877.25	2.32E-05	7.33E-09	3.11E-09	2.85E-05	8.98E-09	3.81E-09	2.50E-05	7.88E-09	3.34E-09
3514	478363.09, 3849877.25	2.32E-05	7.31E-09	3.10E-09	2.84E-05	8.96E-09	3.80E-09	2.49E-05	7.86E-09	3.33E-09
3515	478863.09, 3849877.25	2.80E-05	8.85E-09	3.75E-09	3.43E-05	1.08E-08	4.60E-09	3.01E-05	9.51E-09	4.03E-09
3516	479363.09, 3849877.25	3.24E-05	1.02E-08	4.33E-09	3.96E-05	1.25E-08	5.31E-09	3.48E-05	1.10E-08	4.65E-09

3517	479863.09, 3849877.25	3.36E-05	1.06E-08	4.50E-09	4.12E-05	1.30E-08	5.51E-09	3.61E-05	1.14E-08	4.83E-09
3518	480363.09, 3849877.25	2.76E-05	8.73E-09	3.70E-09	3.39E-05	1.07E-08	4.54E-09	2.97E-05	9.37E-09	3.98E-09
3519	480863.09, 3849877.25	2.18E-05	6.89E-09	2.92E-09	2.67E-05	8.44E-09	3.58E-09	2.34E-05	7.40E-09	3.14E-09
3520	481363.09, 3849877.25	1.85E-05	5.84E-09	2.48E-09	2.27E-05	7.16E-09	3.04E-09	1.99E-05	6.28E-09	2.66E-09
3521	481863.09, 3849877.25	1.15E-05	3.64E-09	1.54E-09	1.41E-05	4.45E-09	1.89E-09	1.24E-05	3.91E-09	1.66E-09
3522	482363.09, 3849877.25	8.94E-06	2.82E-09	1.20E-09	1.10E-05	3.46E-09	1.47E-09	9.61E-06	3.03E-09	1.29E-09
3523	482863.09, 3849877.25	7.67E-06	2.42E-09	1.03E-09	9.40E-06	2.97E-09	1.26E-09	8.24E-06	2.60E-09	1.10E-09
3524	483363.09, 3849877.25	6.70E-06	2.11E-09	8.97E-10	8.20E-06	2.59E-09	1.10E-09	7.19E-06	2.27E-09	9.63E-10
3525	483863.09, 3849877.25	6.60E-06	2.08E-09	8.84E-10	8.08E-06	2.55E-09	1.08E-09	7.09E-06	2.24E-09	9.50E-10
3526	484363.09, 3849877.25	9.00E-06	2.84E-09	1.21E-09	1.10E-05	3.48E-09	1.48E-09	9.67E-06	3.05E-09	1.30E-09
3527	484863.09, 3849877.25	1.23E-05	3.88E-09	1.65E-09	1.51E-05	4.75E-09	2.02E-09	1.32E-05	4.17E-09	1.77E-09
3528	485363.09, 3849877.25	1.09E-05	3.42E-09	1.45E-09	1.33E-05	4.20E-09	1.78E-09	1.17E-05	3.68E-09	1.56E-09
3529	485863.09, 3849877.25	8.94E-06	2.82E-09	1.20E-09	1.10E-05	3.46E-09	1.47E-09	9.60E-06	3.03E-09	1.29E-09
3530	486363.09, 3849877.25	8.02E-06	2.53E-09	1.07E-09	9.82E-06	3.10E-09	1.32E-09	8.62E-06	2.72E-09	1.15E-09
3531	486863.09, 3849877.25	8.74E-06	2.76E-09	1.17E-09	1.07E-05	3.38E-09	1.43E-09	9.39E-06	2.96E-09	1.26E-09
3532	487363.09, 3849877.25	8.59E-06	2.71E-09	1.15E-09	1.05E-05	3.32E-09	1.41E-09	9.22E-06	2.91E-09	1.24E-09
3533	487863.09, 3849877.25	8.37E-06	2.64E-09	1.12E-09	1.03E-05	3.24E-09	1.37E-09	8.99E-06	2.84E-09	1.20E-09
3534	488363.09, 3849877.25	8.59E-06	2.71E-09	1.15E-09	1.05E-05	3.32E-09	1.41E-09	9.22E-06	2.91E-09	1.23E-09
3535	488863.09, 3849877.25	8.93E-06	2.82E-09	1.20E-09	1.09E-05	3.45E-09	1.46E-09	9.59E-06	3.03E-09	1.28E-09
3536	489363.09, 3849877.25	9.05E-06	2.86E-09	1.21E-09	1.11E-05	3.50E-09	1.48E-09	9.72E-06	3.07E-09	1.30E-09
3537	489863.09, 3849877.25	8.98E-06	2.83E-09	1.20E-09	1.10E-05	3.47E-09	1.47E-09	9.65E-06	3.04E-09	1.29E-09
3538	490363.09, 3849877.25	8.76E-06	2.77E-09	1.17E-09	1.07E-05	3.39E-09	1.44E-09	9.42E-06	2.97E-09	1.26E-09
3539	490863.09, 3849877.25	8.90E-06	2.81E-09	1.19E-09	1.09E-05	3.44E-09	1.46E-09	9.56E-06	3.02E-09	1.28E-09
3540	491363.09, 3849877.25	9.11E-06	2.88E-09	1.22E-09	1.12E-05	3.52E-09	1.49E-09	9.79E-06	3.09E-09	1.31E-09
3541	491863.09, 3849877.25	8.97E-06	2.83E-09	1.20E-09	1.10E-05	3.47E-09	1.47E-09	9.63E-06	3.04E-09	1.29E-09
3542	492363.09, 3849877.25	8.98E-06	2.84E-09	1.20E-09	1.10E-05	3.47E-09	1.47E-09	9.65E-06	3.04E-09	1.29E-09
3543	492863.09, 3849877.25	8.69E-06	2.74E-09	1.16E-09	1.06E-05	3.36E-09	1.42E-09	9.32E-06	2.94E-09	1.25E-09
3544	493363.09, 3849877.25	8.44E-06	2.66E-09	1.13E-09	1.03E-05	3.26E-09	1.38E-09	9.06E-06	2.86E-09	1.21E-09
3545	493863.09, 3849877.25	8.49E-06	2.68E-09	1.14E-09	1.04E-05	3.28E-09	1.39E-09	9.11E-06	2.88E-09	1.22E-09
3546	494363.09, 3849877.25	1.05E-05	3.32E-09	1.41E-09	1.29E-05	4.07E-09	1.73E-09	1.13E-05	3.56E-09	1.51E-09
3547	494863.09, 3849877.25	1.23E-05	3.87E-09	1.64E-09	1.50E-05	4.74E-09	2.01E-09	1.32E-05	4.16E-09	1.76E-09
3548	495363.09, 3849877.25	1.13E-05	3.57E-09	1.51E-09	1.38E-05	4.37E-09	1.85E-09	1.21E-05	3.83E-09	1.63E-09
3549	495863.09, 3849877.25	1.33E-05	4.21E-09	1.79E-09	1.63E-05	5.16E-09	2.19E-09	1.43E-05	4.52E-09	1.92E-09
3550	496363.09, 3849877.25	1.44E-05	4.55E-09	1.93E-09	1.76E-05	5.57E-09	2.36E-09	1.55E-05	4.88E-09	2.07E-09
3551	496863.09, 3849877.25	1.53E-05	4.83E-09	2.05E-09	1.88E-05	5.92E-09	2.51E-09	1.64E-05	5.19E-09	2.20E-09
3552	497363.09, 3849877.25	1.86E-05	5.88E-09	2.50E-09	2.28E-05	7.21E-09	3.06E-09	2.00E-05	6.32E-09	2.68E-09
3553	497863.09, 3849877.25	2.02E-05	6.38E-09	2.71E-09	2.48E-05	7.81E-09	3.32E-09	2.17E-05	6.85E-09	2.91E-09
3554	498363.09, 3849877.25	1.98E-05	6.26E-09	2.66E-09	2.43E-05	7.67E-09	3.25E-09	2.13E-05	6.72E-09	2.85E-09
3555	471363.09, 3850377.25	1.06E-05	3.33E-09	1.41E-09	1.29E-05	4.08E-09	1.73E-09	1.13E-05	3.58E-09	1.52E-09
3556	471863.09, 3850377.25	1.31E-05	4.15E-09	1.76E-09	1.61E-05	5.08E-09	2.16E-09	1.41E-05	4.45E-09	1.89E-09
3557	472363.09, 3850377.25	1.42E-05	4.48E-09	1.90E-09	1.74E-05	5.49E-09	2.33E-09	1.53E-05	4.81E-09	2.04E-09
3558	472863.09, 3850377.25	1.61E-05	5.07E-09	2.15E-09	1.97E-05	6.21E-09	2.63E-09	1.72E-05	5.44E-09	2.31E-09
3559	473363.09, 3850377.25	1.70E-05	5.38E-09	2.28E-09	2.09E-05	6.59E-09	2.80E-09	1.83E-05	5.78E-09	2.45E-09
3560	473863.09, 3850377.25	1.86E-05	5.86E-09	2.49E-09	2.27E-05	7.18E-09	3.05E-09	1.99E-05	6.30E-09	2.67E-09
3561	474363.09, 3850377.25	2.02E-05	6.37E-09	2.70E-09	2.47E-05	7.81E-09	3.31E-09	2.17E-05	6.85E-09	2.91E-09
3562	474863.09, 3850377.25	2.18E-05	6.89E-09	2.92E-09	2.67E-05	8.44E-09	3.58E-09	2.34E-05	7.40E-09	3.14E-09
3563	475363.09, 3850377.25	2.35E-05	7.41E-09	3.14E-09	2.87E-05	9.07E-09	3.85E-09	2.52E-05	7.96E-09	3.38E-09
3564	475863.09, 3850377.25	2.49E-05	7.85E-09	3.33E-09	3.05E-05	9.61E-09	4.08E-09	2.67E-05	8.43E-09	3.58E-09
3565	476363.09, 3850377.25	2.60E-05	8.19E-09	3.48E-09	3.18E-05	1.00E-08	4.26E-09	2.79E-05	8.80E-09	3.74E-09
3566	476863.09, 3850377.25	2.69E-05	8.49E-09	3.60E-09	3.30E-05	1.04E-08	4.41E-09	2.89E-05	9.13E-09	3.87E-09
3567	477363.09, 3850377.25	2.77E-05	8.76E-09	3.72E-09	3.40E-05	1.07E-08	4.55E-09	2.98E-05	9.41E-09	3.99E-09
3568	477863.09, 3850377.25	2.81E-05	8.86E-09	3.76E-09	3.44E-05	1.09E-08	4.61E-09	3.02E-05	9.52E-09	4.04E-09
3569	478363.09, 3850377.25	2.72E-05	8.57E-09	3.64E-09	3.33E-05	1.05E-08	4.46E-09	2.92E-05	9.21E-09	3.91E-09
3570	478863.09, 3850377.25	2.86E-05	9.03E-09	3.83E-09	3.51E-05	1.11E-08	4.70E-09	3.08E-05	9.71E-09	4.12E-09
3571	479363.09, 3850377.25	3.35E-05	1.06E-08	4.49E-09	4.11E-05	1.30E-08	5.50E-09	3.60E-05	1.14E-08	4.83E-09
3572	479863.09, 3850377.25	3.83E-05	1.21E-08	5.13E-09	4.69E-05	1.48E-08	6.28E-09	4.11E-05	1.30E-08	5.51E-09
3573	480363.09, 3850377.25	3.88E-05	1.22E-08	5.19E-09	4.75E-05	1.50E-08	6.36E-09	4.16E-05	1.31E-08	5.58E-09
3574	480863.09, 3850377.25	3.54E-05	1.12E-08	4.73E-09	4.33E-05	1.37E-08	5.80E-09	3.80E-05	1.20E-08	5.09E-09
3575	481363.09, 3850377.25	2.34E-05	7.40E-09	3.14E-09	2.87E-05	9.07E-09	3.85E-09	2.52E-05	7.95E-09	3.37E-09
3576	481863.09, 3850377.25	2.14E-05	6.77E-09	2.87E-09	2.63E-05	8.29E-09	3.52E-09	2.30E-05	7.27E-09	3.08E-09
3577	482363.09, 3850377.25	1.86E-05	5.87E-09	2.49E-09	2.28E-05	7.19E-09	3.05E-09	2.00E-05	6.31E-09	2.68E-09
3578	482863.09, 3850377.25	1.20E-05	3.79E-09	1.61E-09	1.47E-05	4.64E-09	1.97E-09	1.29E-05	4.07E-09	1.73E-09
3579	483363.09, 3850377.25	9.40E-06	2.97E-09	1.26E-09	1.15E-05	3.64E-09	1.54E-09	1.01E-05	3.19E-09	1.35E-09
3580	483863.09, 3850377.25	1.02E-05	3.23E-09	1.37E-09	1.25E-05	3.95E-09	1.68E-09	1.10E-05	3.47E-09	1.47E-09

3581	484363.09, 3850377.25	1.24E-05	3.91E-09	1.66E-09	1.52E-05	4.80E-09	2.03E-09	1.33E-05	4.21E-09	1.78E-09
3582	484863.09, 3850377.25	1.49E-05	4.71E-09	2.00E-09	1.83E-05	5.77E-09	2.45E-09	1.61E-05	5.07E-09	2.15E-09
3583	485363.09, 3850377.25	1.43E-05	4.53E-09	1.92E-09	1.76E-05	5.55E-09	2.35E-09	1.54E-05	4.87E-09	2.07E-09
3584	485863.09, 3850377.25	1.26E-05	3.96E-09	1.68E-09	1.54E-05	4.85E-09	2.06E-09	1.35E-05	4.26E-09	1.81E-09
3585	486363.09, 3850377.25	1.20E-05	3.78E-09	1.60E-09	1.47E-05	4.63E-09	1.96E-09	1.29E-05	4.06E-09	1.72E-09
3586	486863.09, 3850377.25	1.16E-05	3.66E-09	1.55E-09	1.42E-05	4.49E-09	1.90E-09	1.25E-05	3.94E-09	1.67E-09
3587	487363.09, 3850377.25	1.08E-05	3.42E-09	1.45E-09	1.33E-05	4.19E-09	1.78E-09	1.17E-05	3.68E-09	1.56E-09
3588	487863.09, 3850377.25	1.11E-05	3.50E-09	1.48E-09	1.36E-05	4.29E-09	1.82E-09	1.19E-05	3.76E-09	1.59E-09
3589	488363.09, 3850377.25	1.13E-05	3.56E-09	1.51E-09	1.38E-05	4.36E-09	1.85E-09	1.21E-05	3.82E-09	1.62E-09
3590	488863.09, 3850377.25	1.15E-05	3.63E-09	1.54E-09	1.41E-05	4.45E-09	1.89E-09	1.24E-05	3.90E-09	1.66E-09
3591	489363.09, 3850377.25	1.16E-05	3.67E-09	1.56E-09	1.43E-05	4.50E-09	1.91E-09	1.25E-05	3.95E-09	1.67E-09
3592	489863.09, 3850377.25	1.14E-05	3.61E-09	1.53E-09	1.40E-05	4.42E-09	1.88E-09	1.23E-05	3.88E-09	1.65E-09
3593	490363.09, 3850377.25	1.15E-05	3.62E-09	1.54E-09	1.41E-05	4.44E-09	1.88E-09	1.23E-05	3.89E-09	1.65E-09
3594	490863.09, 3850377.25	1.19E-05	3.74E-09	1.59E-09	1.45E-05	4.58E-09	1.94E-09	1.27E-05	4.02E-09	1.71E-09
3595	491363.09, 3850377.25	1.22E-05	3.84E-09	1.63E-09	1.49E-05	4.70E-09	2.00E-09	1.31E-05	4.12E-09	1.75E-09
3596	491863.09, 3850377.25	1.20E-05	3.77E-09	1.60E-09	1.46E-05	4.62E-09	1.96E-09	1.28E-05	4.05E-09	1.72E-09
3597	492363.09, 3850377.25	1.16E-05	3.65E-09	1.55E-09	1.42E-05	4.47E-09	1.90E-09	1.24E-05	3.92E-09	1.66E-09
3598	492863.09, 3850377.25	1.16E-05	3.65E-09	1.55E-09	1.42E-05	4.47E-09	1.90E-09	1.24E-05	3.92E-09	1.66E-09
3599	493363.09, 3850377.25	1.13E-05	3.56E-09	1.51E-09	1.38E-05	4.36E-09	1.85E-09	1.21E-05	3.82E-09	1.62E-09
3600	493863.09, 3850377.25	1.27E-05	4.00E-09	1.70E-09	1.55E-05	4.90E-09	2.08E-09	1.36E-05	4.29E-09	1.82E-09
3601	494363.09, 3850377.25	1.39E-05	4.40E-09	1.87E-09	1.71E-05	5.39E-09	2.29E-09	1.50E-05	4.72E-09	2.00E-09
3602	494863.09, 3850377.25	1.60E-05	5.04E-09	2.14E-09	1.96E-05	6.17E-09	2.62E-09	1.71E-05	5.41E-09	2.30E-09
3603	495363.09, 3850377.25	1.85E-05	5.83E-09	2.48E-09	2.26E-05	7.15E-09	3.03E-09	1.98E-05	6.26E-09	2.66E-09
3604	495863.09, 3850377.25	1.80E-05	5.69E-09	2.41E-09	2.21E-05	6.96E-09	2.95E-09	1.93E-05	6.11E-09	2.59E-09
3605	496363.09, 3850377.25	2.05E-05	6.48E-09	2.75E-09	2.52E-05	7.94E-09	3.37E-09	2.21E-05	6.96E-09	2.95E-09
3606	496863.09, 3850377.25	2.30E-05	7.26E-09	3.08E-09	2.82E-05	8.89E-09	3.77E-09	2.47E-05	7.80E-09	3.31E-09
3607	497363.09, 3850377.25	2.43E-05	7.66E-09	3.25E-09	2.97E-05	9.38E-09	3.98E-09	2.61E-05	8.22E-09	3.49E-09
3608	497863.09, 3850377.25	2.44E-05	7.70E-09	3.27E-09	2.99E-05	9.43E-09	4.00E-09	2.62E-05	8.27E-09	3.51E-09
3609	498363.09, 3850377.25	2.44E-05	7.71E-09	3.27E-09	2.99E-05	9.45E-09	4.01E-09	2.62E-05	8.28E-09	3.51E-09
3610	471363.09, 3850877.25	1.31E-05	4.13E-09	1.75E-09	1.60E-05	5.06E-09	2.15E-09	1.41E-05	4.43E-09	1.88E-09
3611	471863.09, 3850877.25	1.44E-05	4.55E-09	1.93E-09	1.77E-05	5.57E-09	2.36E-09	1.55E-05	4.89E-09	2.07E-09
3612	472363.09, 3850877.25	1.60E-05	5.04E-09	2.14E-09	1.96E-05	6.18E-09	2.62E-09	1.72E-05	5.42E-09	2.30E-09
3613	472863.09, 3850877.25	1.72E-05	5.43E-09	2.30E-09	2.11E-05	6.65E-09	2.82E-09	1.85E-05	5.83E-09	2.47E-09
3614	473363.09, 3850877.25	1.68E-05	5.32E-09	2.26E-09	2.06E-05	6.51E-09	2.76E-09	1.81E-05	5.71E-09	2.42E-09
3615	473863.09, 3850877.25	1.84E-05	5.80E-09	2.46E-09	2.25E-05	7.10E-09	3.01E-09	1.97E-05	6.23E-09	2.64E-09
3616	474363.09, 3850877.25	2.05E-05	6.47E-09	2.74E-09	2.51E-05	7.92E-09	3.36E-09	2.20E-05	6.95E-09	2.95E-09
3617	474863.09, 3850877.25	2.21E-05	6.97E-09	2.96E-09	2.71E-05	8.54E-09	3.62E-09	2.37E-05	7.49E-09	3.18E-09
3618	475363.09, 3850877.25	2.38E-05	7.51E-09	3.19E-09	2.92E-05	9.20E-09	3.90E-09	2.56E-05	8.07E-09	3.42E-09
3619	475863.09, 3850877.25	2.57E-05	8.12E-09	3.45E-09	3.15E-05	9.95E-09	4.22E-09	2.77E-05	8.73E-09	3.70E-09
3620	476363.09, 3850877.25	2.77E-05	8.74E-09	3.71E-09	3.39E-05	1.07E-08	4.54E-09	2.97E-05	9.39E-09	3.98E-09
3621	476863.09, 3850877.25	2.95E-05	9.30E-09	3.95E-09	3.61E-05	1.14E-08	4.83E-09	3.17E-05	1.00E-08	4.24E-09
3622	477363.09, 3850877.25	3.10E-05	9.79E-09	4.15E-09	3.80E-05	1.20E-08	5.09E-09	3.33E-05	1.05E-08	4.46E-09
3623	477863.09, 3850877.25	3.22E-05	1.02E-08	4.31E-09	3.94E-05	1.24E-08	5.28E-09	3.46E-05	1.09E-08	4.63E-09
3624	478363.09, 3850877.25	3.29E-05	1.04E-08	4.41E-09	4.03E-05	1.27E-08	5.40E-09	3.54E-05	1.12E-08	4.73E-09
3625	478863.09, 3850877.25	3.33E-05	1.05E-08	4.46E-09	4.08E-05	1.29E-08	5.46E-09	3.58E-05	1.13E-08	4.79E-09
3626	479363.09, 3850877.25	3.41E-05	1.08E-08	4.57E-09	4.18E-05	1.32E-08	5.59E-09	3.67E-05	1.16E-08	4.91E-09
3627	479863.09, 3850877.25	3.90E-05	1.23E-08	5.22E-09	4.77E-05	1.51E-08	6.39E-09	4.19E-05	1.32E-08	5.61E-09
3628	480363.09, 3850877.25	4.60E-05	1.45E-08	6.16E-09	5.63E-05	1.78E-08	7.54E-09	4.94E-05	1.56E-08	6.62E-09
3629	480863.09, 3850877.25	4.78E-05	1.51E-08	6.40E-09	5.86E-05	1.85E-08	7.84E-09	5.14E-05	1.62E-08	6.88E-09
3630	481363.09, 3850877.25	4.33E-05	1.37E-08	5.79E-09	5.30E-05	1.67E-08	7.10E-09	4.65E-05	1.47E-08	6.23E-09
3631	481863.09, 3850877.25	3.56E-05	1.12E-08	4.77E-09	4.36E-05	1.38E-08	5.84E-09	3.83E-05	1.21E-08	5.12E-09
3632	482363.09, 3850877.25	2.77E-05	8.73E-09	3.71E-09	3.39E-05	1.07E-08	4.54E-09	2.97E-05	9.38E-09	3.98E-09
3633	482863.09, 3850877.25	2.14E-05	6.77E-09	2.87E-09	2.63E-05	8.29E-09	3.52E-09	2.30E-05	7.27E-09	3.09E-09
3634	483363.09, 3850877.25	1.60E-05	5.04E-09	2.14E-09	1.96E-05	6.18E-09	2.62E-09	1.72E-05	5.42E-09	2.30E-09
3635	483863.09, 3850877.25	1.55E-05	4.89E-09	2.08E-09	1.90E-05	6.00E-09	2.54E-09	1.67E-05	5.26E-09	2.23E-09
3636	484363.09, 3850877.25	1.80E-05	5.69E-09	2.41E-09	2.21E-05	6.97E-09	2.96E-09	1.94E-05	6.12E-09	2.60E-09
3637	484863.09, 3850877.25	1.76E-05	5.54E-09	2.35E-09	2.15E-05	6.79E-09	2.88E-09	1.89E-05	5.96E-09	2.53E-09
3638	485363.09, 3850877.25	1.84E-05	5.79E-09	2.46E-09	2.25E-05	7.10E-09	3.01E-09	1.97E-05	6.22E-09	2.64E-09
3639	485863.09, 3850877.25	1.53E-05	4.83E-09	2.05E-09	1.87E-05	5.91E-09	2.51E-09	1.64E-05	5.19E-09	2.20E-09
3640	486363.09, 3850877.25	1.57E-05	4.97E-09	2.11E-09	1.93E-05	6.09E-09	2.58E-09	1.69E-05	5.34E-09	2.26E-09
3641	486863.09, 3850877.25	1.51E-05	4.76E-09	2.02E-09	1.85E-05	5.83E-09	2.47E-09	1.62E-05	5.11E-09	2.17E-09
3642	487363.09, 3850877.25	1.44E-05	4.55E-09	1.93E-09	1.77E-05	5.57E-09	2.36E-09	1.55E-05	4.89E-09	2.07E-09
3643	487863.09, 3850877.25	1.47E-05	4.63E-09	1.96E-09	1.80E-05	5.67E-09	2.40E-09	1.57E-05	4.97E-09	2.11E-09
3644	488363.09, 3850877.25	1.50E-05	4.73E-09	2.01E-09	1.83E-05	5.79E-09	2.46E-09	1.61E-05	5.08E-09	2.16E-09

3645	488863.09, 3850877.25	1.51E-05	4.78E-09	2.03E-09	1.85E-05	5.85E-09	2.48E-09	1.63E-05	5.13E-09	2.18E-09
3646	489363.09, 3850877.25	1.54E-05	4.88E-09	2.07E-09	1.89E-05	5.97E-09	2.53E-09	1.66E-05	5.24E-09	2.22E-09
3647	489863.09, 3850877.25	1.56E-05	4.93E-09	2.09E-09	1.91E-05	6.04E-09	2.56E-09	1.68E-05	5.29E-09	2.25E-09
3648	490363.09, 3850877.25	1.63E-05	5.13E-09	2.18E-09	1.99E-05	6.28E-09	2.67E-09	1.75E-05	5.51E-09	2.34E-09
3649	490863.09, 3850877.25	1.69E-05	5.32E-09	2.26E-09	2.07E-05	6.52E-09	2.77E-09	1.81E-05	5.71E-09	2.42E-09
3650	491363.09, 3850877.25	1.68E-05	5.31E-09	2.25E-09	2.06E-05	6.51E-09	2.76E-09	1.81E-05	5.70E-09	2.42E-09
3651	491863.09, 3850877.25	1.66E-05	5.23E-09	2.22E-09	2.03E-05	6.40E-09	2.72E-09	1.78E-05	5.61E-09	2.38E-09
3652	492363.09, 3850877.25	1.64E-05	5.17E-09	2.19E-09	2.01E-05	6.34E-09	2.69E-09	1.76E-05	5.55E-09	2.36E-09
3653	492863.09, 3850877.25	1.65E-05	5.20E-09	2.21E-09	2.02E-05	6.37E-09	2.70E-09	1.77E-05	5.58E-09	2.37E-09
3654	493363.09, 3850877.25	1.70E-05	5.36E-09	2.27E-09	2.08E-05	6.56E-09	2.78E-09	1.82E-05	5.75E-09	2.44E-09
3655	493863.09, 3850877.25	1.90E-05	6.00E-09	2.55E-09	2.33E-05	7.35E-09	3.12E-09	2.04E-05	6.44E-09	2.73E-09
3656	494363.09, 3850877.25	2.02E-05	6.37E-09	2.70E-09	2.47E-05	7.81E-09	3.31E-09	2.17E-05	6.84E-09	2.90E-09
3657	494863.09, 3850877.25	2.26E-05	7.13E-09	3.03E-09	2.77E-05	8.74E-09	3.71E-09	2.43E-05	7.66E-09	3.25E-09
3658	495363.09, 3850877.25	2.52E-05	7.96E-09	3.38E-09	3.09E-05	9.76E-09	4.14E-09	2.71E-05	8.55E-09	3.63E-09
3659	495863.09, 3850877.25	2.59E-05	8.19E-09	3.47E-09	3.18E-05	1.00E-08	4.25E-09	2.79E-05	8.79E-09	3.73E-09
3660	496363.09, 3850877.25	2.75E-05	8.68E-09	3.68E-09	3.37E-05	1.06E-08	4.51E-09	2.95E-05	9.32E-09	3.95E-09
3661	496863.09, 3850877.25	3.00E-05	9.46E-09	4.01E-09	3.67E-05	1.16E-08	4.92E-09	3.22E-05	1.02E-08	4.31E-09
3662	497363.09, 3850877.25	3.03E-05	9.56E-09	4.06E-09	3.71E-05	1.17E-08	4.97E-09	3.25E-05	1.03E-08	4.36E-09
3663	497863.09, 3850877.25	2.99E-05	9.43E-09	4.00E-09	3.66E-05	1.16E-08	4.90E-09	3.21E-05	1.01E-08	4.30E-09
3664	498363.09, 3850877.25	2.94E-05	9.28E-09	3.94E-09	3.60E-05	1.14E-08	4.82E-09	3.16E-05	9.97E-09	4.23E-09
3665	471363.09, 3851377.25	1.40E-05	4.41E-09	1.87E-09	1.71E-05	5.41E-09	2.29E-09	1.50E-05	4.74E-09	2.01E-09
3666	471863.09, 3851377.25	1.67E-05	5.27E-09	2.23E-09	2.04E-05	6.45E-09	2.74E-09	1.79E-05	5.66E-09	2.40E-09
3667	472363.09, 3851377.25	1.72E-05	5.44E-09	2.31E-09	2.11E-05	6.66E-09	2.83E-09	1.85E-05	5.84E-09	2.48E-09
3668	472863.09, 3851377.25	1.79E-05	5.63E-09	2.39E-09	2.19E-05	6.90E-09	2.93E-09	1.92E-05	6.05E-09	2.57E-09
3669	473363.09, 3851377.25	1.70E-05	5.37E-09	2.28E-09	2.08E-05	6.58E-09	2.79E-09	1.83E-05	5.76E-09	2.45E-09
3670	473863.09, 3851377.25	1.79E-05	5.65E-09	2.40E-09	2.19E-05	6.92E-09	2.94E-09	1.92E-05	6.07E-09	2.57E-09
3671	474363.09, 3851377.25	2.02E-05	6.39E-09	2.71E-09	2.48E-05	7.82E-09	3.32E-09	2.17E-05	6.86E-09	2.91E-09
3672	474863.09, 3851377.25	2.21E-05	6.98E-09	2.96E-09	2.71E-05	8.55E-09	3.63E-09	2.37E-05	7.50E-09	3.18E-09
3673	475363.09, 3851377.25	2.42E-05	7.62E-09	3.23E-09	2.96E-05	9.34E-09	3.96E-09	2.60E-05	8.19E-09	3.48E-09
3674	475863.09, 3851377.25	2.60E-05	8.22E-09	3.49E-09	3.19E-05	1.01E-08	4.27E-09	2.80E-05	8.83E-09	3.75E-09
3675	476363.09, 3851377.25	2.82E-05	8.90E-09	3.78E-09	3.45E-05	1.09E-08	4.63E-09	3.03E-05	9.56E-09	4.06E-09
3676	476863.09, 3851377.25	3.02E-05	9.54E-09	4.05E-09	3.70E-05	1.17E-08	4.96E-09	3.25E-05	1.02E-08	4.35E-09
3677	477363.09, 3851377.25	3.32E-05	1.05E-08	4.45E-09	4.07E-05	1.28E-08	5.45E-09	3.57E-05	1.13E-08	4.78E-09
3678	477863.09, 3851377.25	3.56E-05	1.12E-08	4.77E-09	4.36E-05	1.38E-08	5.84E-09	3.83E-05	1.21E-08	5.13E-09
3679	478363.09, 3851377.25	3.75E-05	1.18E-08	5.03E-09	4.60E-05	1.45E-08	6.16E-09	4.03E-05	1.27E-08	5.40E-09
3680	478863.09, 3851377.25	3.89E-05	1.23E-08	5.22E-09	4.77E-05	1.51E-08	6.39E-09	4.19E-05	1.32E-08	5.60E-09
3681	479363.09, 3851377.25	3.97E-05	1.25E-08	5.31E-09	4.86E-05	1.53E-08	6.51E-09	4.26E-05	1.35E-08	5.71E-09
3682	479863.09, 3851377.25	4.07E-05	1.29E-08	5.45E-09	4.99E-05	1.57E-08	6.68E-09	4.38E-05	1.38E-08	5.86E-09
3683	480363.09, 3851377.25	4.64E-05	1.46E-08	6.22E-09	5.69E-05	1.79E-08	7.61E-09	4.99E-05	1.57E-08	6.68E-09
3684	480863.09, 3851377.25	5.47E-05	1.73E-08	7.33E-09	6.71E-05	2.12E-08	8.98E-09	5.88E-05	1.86E-08	7.88E-09
3685	481363.09, 3851377.25	5.76E-05	1.82E-08	7.72E-09	7.06E-05	2.23E-08	9.45E-09	6.19E-05	1.95E-08	8.29E-09
3686	481863.09, 3851377.25	5.12E-05	1.62E-08	6.86E-09	6.27E-05	1.98E-08	8.40E-09	5.50E-05	1.74E-08	7.37E-09
3687	482363.09, 3851377.25	4.42E-05	1.40E-08	5.93E-09	5.42E-05	1.71E-08	7.26E-09	4.75E-05	1.50E-08	6.37E-09
3688	482863.09, 3851377.25	3.44E-05	1.08E-08	4.60E-09	4.21E-05	1.33E-08	5.64E-09	3.69E-05	1.17E-08	4.95E-09
3689	483363.09, 3851377.25	2.44E-05	7.69E-09	3.26E-09	2.98E-05	9.42E-09	4.00E-09	2.62E-05	8.26E-09	3.51E-09
3690	483863.09, 3851377.25	2.12E-05	6.70E-09	2.84E-09	2.60E-05	8.21E-09	3.48E-09	2.28E-05	7.20E-09	3.06E-09
3691	484363.09, 3851377.25	2.66E-05	8.40E-09	3.56E-09	3.26E-05	1.03E-08	4.36E-09	2.86E-05	9.02E-09	3.83E-09
3692	484863.09, 3851377.25	1.84E-05	5.82E-09	2.47E-09	2.26E-05	7.13E-09	3.02E-09	1.98E-05	6.25E-09	2.65E-09
3693	485363.09, 3851377.25	2.47E-05	7.78E-09	3.30E-09	3.02E-05	9.53E-09	4.05E-09	2.65E-05	8.36E-09	3.55E-09
3694	485863.09, 3851377.25	1.99E-05	6.30E-09	2.67E-09	2.44E-05	7.71E-09	3.27E-09	2.14E-05	6.77E-09	2.87E-09
3695	486363.09, 3851377.25	2.17E-05	6.86E-09	2.91E-09	2.66E-05	8.40E-09	3.56E-09	2.33E-05	7.37E-09	3.13E-09
3696	486863.09, 3851377.25	2.05E-05	6.48E-09	2.75E-09	2.52E-05	7.94E-09	3.37E-09	2.21E-05	6.97E-09	2.96E-09
3697	487363.09, 3851377.25	1.77E-05	5.60E-09	2.37E-09	2.17E-05	6.86E-09	2.91E-09	1.90E-05	6.01E-09	2.55E-09
3698	487863.09, 3851377.25	1.98E-05	6.26E-09	2.66E-09	2.43E-05	7.67E-09	3.25E-09	2.13E-05	6.73E-09	2.85E-09
3699	488363.09, 3851377.25	2.06E-05	6.50E-09	2.76E-09	2.52E-05	7.97E-09	3.38E-09	2.21E-05	6.99E-09	2.96E-09
3700	488863.09, 3851377.25	2.09E-05	6.61E-09	2.80E-09	2.57E-05	8.10E-09	3.44E-09	2.25E-05	7.10E-09	3.01E-09
3701	489363.09, 3851377.25	2.16E-05	6.82E-09	2.89E-09	2.65E-05	8.35E-09	3.54E-09	2.32E-05	7.32E-09	3.11E-09
3702	489863.09, 3851377.25	2.23E-05	7.03E-09	2.98E-09	2.73E-05	8.61E-09	3.65E-09	2.39E-05	7.55E-09	3.20E-09
3703	490363.09, 3851377.25	2.31E-05	7.28E-09	3.09E-09	2.83E-05	8.92E-09	3.79E-09	2.48E-05	7.82E-09	3.32E-09
3704	490863.09, 3851377.25	2.35E-05	7.42E-09	3.15E-09	2.88E-05	9.10E-09	3.86E-09	2.53E-05	7.97E-09	3.38E-09
3705	491363.09, 3851377.25	2.33E-05	7.36E-09	3.12E-09	2.86E-05	9.02E-09	3.83E-09	2.50E-05	7.90E-09	3.35E-09
3706	491863.09, 3851377.25	2.33E-05	7.36E-09	3.12E-09	2.86E-05	9.01E-09	3.82E-09	2.50E-05	7.90E-09	3.35E-09
3707	492363.09, 3851377.25	2.37E-05	7.47E-09	3.17E-09	2.90E-05	9.15E-09	3.88E-09	2.54E-05	8.02E-09	3.40E-09
3708	492863.09, 3851377.25	2.33E-05	7.37E-09	3.13E-09	2.86E-05	9.03E-09	3.83E-09	2.51E-05	7.91E-09	3.36E-09

3709	493363.09, 3851377.25	2.12E-05	6.70E-09	2.84E-09	2.60E-05	8.21E-09	3.48E-09	2.28E-05	7.19E-09	3.05E-09
3710	493863.09, 3851377.25	2.35E-05	7.42E-09	3.15E-09	2.88E-05	9.09E-09	3.86E-09	2.53E-05	7.97E-09	3.38E-09
3711	494363.09, 3851377.25	2.83E-05	8.93E-09	3.79E-09	3.47E-05	1.09E-08	4.64E-09	3.04E-05	9.59E-09	4.07E-09
3712	494863.09, 3851377.25	2.97E-05	9.36E-09	3.97E-09	3.63E-05	1.15E-08	4.87E-09	3.19E-05	1.01E-08	4.27E-09
3713	495363.09, 3851377.25	3.46E-05	1.09E-08	4.63E-09	4.24E-05	1.34E-08	5.67E-09	3.71E-05	1.17E-08	4.97E-09
3714	495863.09, 3851377.25	3.65E-05	1.15E-08	4.89E-09	4.47E-05	1.41E-08	5.99E-09	3.92E-05	1.24E-08	5.25E-09
3715	496363.09, 3851377.25	3.75E-05	1.18E-08	5.02E-09	4.59E-05	1.45E-08	6.15E-09	4.02E-05	1.27E-08	5.39E-09
3716	496863.09, 3851377.25	3.77E-05	1.19E-08	5.05E-09	4.62E-05	1.46E-08	6.18E-09	4.05E-05	1.28E-08	5.42E-09
3717	497363.09, 3851377.25	3.77E-05	1.19E-08	5.05E-09	4.62E-05	1.46E-08	6.18E-09	4.05E-05	1.28E-08	5.42E-09
3718	497863.09, 3851377.25	3.70E-05	1.17E-08	4.95E-09	4.53E-05	1.43E-08	6.07E-09	3.97E-05	1.25E-08	5.32E-09
3719	498363.09, 3851377.25	3.49E-05	1.10E-08	4.67E-09	4.28E-05	1.35E-08	5.73E-09	3.75E-05	1.18E-08	5.02E-09
3720	471363.09, 3851877.25	1.56E-05	4.91E-09	2.08E-09	1.91E-05	6.02E-09	2.55E-09	1.67E-05	5.27E-09	2.24E-09
3721	471863.09, 3851877.25	1.53E-05	4.84E-09	2.05E-09	1.88E-05	5.93E-09	2.52E-09	1.65E-05	5.20E-09	2.21E-09
3722	472363.09, 3851877.25	1.71E-05	5.40E-09	2.29E-09	2.09E-05	6.61E-09	2.80E-09	1.84E-05	5.80E-09	2.46E-09
3723	472863.09, 3851877.25	1.87E-05	5.90E-09	2.50E-09	2.29E-05	7.23E-09	3.07E-09	2.01E-05	6.34E-09	2.69E-09
3724	473363.09, 3851877.25	1.81E-05	5.70E-09	2.42E-09	2.21E-05	6.99E-09	2.96E-09	1.94E-05	6.13E-09	2.60E-09
3725	473863.09, 3851877.25	1.88E-05	5.94E-09	2.52E-09	2.30E-05	7.27E-09	3.08E-09	2.02E-05	6.38E-09	2.70E-09
3726	474363.09, 3851877.25	2.16E-05	6.80E-09	2.89E-09	2.64E-05	8.34E-09	3.54E-09	2.32E-05	7.31E-09	3.10E-09
3727	474863.09, 3851877.25	2.40E-05	7.56E-09	3.21E-09	2.93E-05	9.26E-09	3.93E-09	2.57E-05	8.12E-09	3.44E-09
3728	475363.09, 3851877.25	2.54E-05	8.02E-09	3.40E-09	3.11E-05	9.82E-09	4.17E-09	2.73E-05	8.61E-09	3.65E-09
3729	475863.09, 3851877.25	2.66E-05	8.40E-09	3.57E-09	3.26E-05	1.03E-08	4.37E-09	2.86E-05	9.02E-09	3.83E-09
3730	476363.09, 3851877.25	2.71E-05	8.55E-09	3.63E-09	3.32E-05	1.05E-08	4.44E-09	2.91E-05	9.18E-09	3.90E-09
3731	476863.09, 3851877.25	2.97E-05	9.38E-09	3.98E-09	3.64E-05	1.15E-08	4.87E-09	3.19E-05	1.01E-08	4.27E-09
3732	477363.09, 3851877.25	3.29E-05	1.04E-08	4.41E-09	4.03E-05	1.27E-08	5.40E-09	3.54E-05	1.12E-08	4.74E-09
3733	477863.09, 3851877.25	3.64E-05	1.15E-08	4.87E-09	4.46E-05	1.41E-08	5.97E-09	3.91E-05	1.23E-08	5.24E-09
3734	478363.09, 3851877.25	3.94E-05	1.24E-08	5.28E-09	4.83E-05	1.52E-08	6.47E-09	4.23E-05	1.34E-08	5.67E-09
3735	478863.09, 3851877.25	4.34E-05	1.37E-08	5.81E-09	5.32E-05	1.68E-08	7.12E-09	4.66E-05	1.47E-08	6.25E-09
3736	479363.09, 3851877.25	4.67E-05	1.47E-08	6.26E-09	5.72E-05	1.81E-08	7.66E-09	5.02E-05	1.58E-08	6.72E-09
3737	479863.09, 3851877.25	4.83E-05	1.52E-08	6.46E-09	5.91E-05	1.87E-08	7.92E-09	5.19E-05	1.64E-08	6.95E-09
3738	480363.09, 3851877.25	4.96E-05	1.57E-08	6.65E-09	6.08E-05	1.92E-08	8.14E-09	5.34E-05	1.68E-08	7.14E-09
3739	480863.09, 3851877.25	5.63E-05	1.78E-08	7.53E-09	6.89E-05	2.17E-08	9.23E-09	6.05E-05	1.91E-08	8.10E-09
3740	481363.09, 3851877.25	6.63E-05	2.09E-08	8.88E-09	8.12E-05	2.56E-08	1.09E-08	7.13E-05	2.25E-08	9.54E-09
3741	481863.09, 3851877.25	7.04E-05	2.22E-08	9.43E-09	8.62E-05	2.72E-08	1.15E-08	7.57E-05	2.39E-08	1.01E-08
3742	482363.09, 3851877.25	5.66E-05	1.79E-08	7.58E-09	6.93E-05	2.19E-08	9.28E-09	6.08E-05	1.92E-08	8.14E-09
3743	482863.09, 3851877.25	3.92E-05	1.24E-08	5.25E-09	4.80E-05	1.52E-08	6.43E-09	4.21E-05	1.33E-08	5.64E-09
3744	483363.09, 3851877.25	3.94E-05	1.24E-08	5.27E-09	4.82E-05	1.52E-08	6.46E-09	4.23E-05	1.33E-08	5.66E-09
3745	483863.09, 3851877.25	3.58E-05	1.13E-08	4.79E-09	4.38E-05	1.38E-08	5.87E-09	3.84E-05	1.21E-08	5.15E-09
3746	484363.09, 3851877.25	3.78E-05	1.19E-08	5.06E-09	4.63E-05	1.46E-08	6.20E-09	4.06E-05	1.28E-08	5.44E-09
3747	484863.09, 3851877.25	3.24E-05	1.02E-08	4.33E-09	3.97E-05	1.25E-08	5.31E-09	3.48E-05	1.10E-08	4.66E-09
3748	485363.09, 3851877.25	3.31E-05	1.04E-08	4.43E-09	4.05E-05	1.28E-08	5.43E-09	3.56E-05	1.12E-08	4.76E-09
3749	485863.09, 3851877.25	3.31E-05	1.05E-08	4.43E-09	4.06E-05	1.28E-08	5.43E-09	3.56E-05	1.12E-08	4.77E-09
3750	486363.09, 3851877.25	2.89E-05	9.11E-09	3.87E-09	3.54E-05	1.12E-08	4.74E-09	3.10E-05	9.79E-09	4.16E-09
3751	486863.09, 3851877.25	2.86E-05	9.04E-09	3.83E-09	3.51E-05	1.11E-08	4.70E-09	3.08E-05	9.71E-09	4.12E-09
3752	487363.09, 3851877.25	2.84E-05	8.96E-09	3.80E-09	3.48E-05	1.10E-08	4.66E-09	3.05E-05	9.62E-09	4.08E-09
3753	487863.09, 3851877.25	2.49E-05	7.85E-09	3.33E-09	3.05E-05	9.62E-09	4.08E-09	2.67E-05	8.44E-09	3.58E-09
3754	488363.09, 3851877.25	2.59E-05	8.17E-09	3.47E-09	3.17E-05	1.00E-08	4.25E-09	2.78E-05	8.78E-09	3.73E-09
3755	488863.09, 3851877.25	2.58E-05	8.13E-09	3.45E-09	3.16E-05	9.96E-09	4.23E-09	2.77E-05	8.73E-09	3.71E-09
3756	489363.09, 3851877.25	2.61E-05	8.23E-09	3.49E-09	3.19E-05	1.01E-08	4.28E-09	2.80E-05	8.84E-09	3.75E-09
3757	489863.09, 3851877.25	2.69E-05	8.50E-09	3.61E-09	3.30E-05	1.04E-08	4.42E-09	2.89E-05	9.13E-09	3.87E-09
3758	490363.09, 3851877.25	2.86E-05	9.03E-09	3.83E-09	3.51E-05	1.11E-08	4.70E-09	3.07E-05	9.70E-09	4.12E-09
3759	490863.09, 3851877.25	3.06E-05	9.65E-09	4.10E-09	3.75E-05	1.18E-08	5.02E-09	3.28E-05	1.04E-08	4.40E-09
3760	491363.09, 3851877.25	3.27E-05	1.03E-08	4.37E-09	4.00E-05	1.26E-08	5.36E-09	3.51E-05	1.11E-08	4.70E-09
3761	491863.09, 3851877.25	3.41E-05	1.08E-08	4.56E-09	4.17E-05	1.32E-08	5.59E-09	3.66E-05	1.15E-08	4.90E-09
3762	492363.09, 3851877.25	3.34E-05	1.05E-08	4.47E-09	4.09E-05	1.29E-08	5.48E-09	3.58E-05	1.13E-08	4.80E-09
3763	492863.09, 3851877.25	2.90E-05	9.16E-09	3.89E-09	3.56E-05	1.12E-08	4.76E-09	3.12E-05	9.84E-09	4.17E-09
3764	493363.09, 3851877.25	3.51E-05	1.11E-08	4.70E-09	4.30E-05	1.36E-08	5.76E-09	3.77E-05	1.19E-08	5.05E-09
3765	493863.09, 3851877.25	4.20E-05	1.32E-08	5.62E-09	5.14E-05	1.62E-08	6.88E-09	4.51E-05	1.42E-08	6.03E-09
3766	494363.09, 3851877.25	4.08E-05	1.29E-08	5.46E-09	5.00E-05	1.58E-08	6.69E-09	4.38E-05	1.38E-08	5.86E-09
3767	494863.09, 3851877.25	4.51E-05	1.42E-08	6.04E-09	5.53E-05	1.75E-08	7.40E-09	4.85E-05	1.53E-08	6.49E-09
3768	495363.09, 3851877.25	4.78E-05	1.51E-08	6.40E-09	5.85E-05	1.85E-08	7.84E-09	5.13E-05	1.62E-08	6.87E-09
3769	495863.09, 3851877.25	4.93E-05	1.55E-08	6.60E-09	6.03E-05	1.90E-08	8.08E-09	5.29E-05	1.67E-08	7.08E-09
3770	496363.09, 3851877.25	4.85E-05	1.53E-08	6.49E-09	5.94E-05	1.87E-08	7.96E-09	5.21E-05	1.64E-08	6.97E-09
3771	496863.09, 3851877.25	4.73E-05	1.49E-08	6.33E-09	5.79E-05	1.83E-08	7.75E-09	5.08E-05	1.60E-08	6.80E-09
3772	497363.09, 3851877.25	4.57E-05	1.44E-08	6.12E-09	5.60E-05	1.77E-08	7.50E-09	4.91E-05	1.55E-08	6.57E-09

3773	497863.09, 3851877.25	4.25E-05	1.34E-08	5.69E-09	5.20E-05	1.64E-08	6.96E-09	4.56E-05	1.44E-08	6.11E-09
3774	498363.09, 3851877.25	3.95E-05	1.25E-08	5.30E-09	4.84E-05	1.53E-08	6.49E-09	4.25E-05	1.34E-08	5.69E-09
3775	471363.09, 3852377.25	1.45E-05	4.58E-09	1.95E-09	1.78E-05	5.62E-09	2.38E-09	1.56E-05	4.92E-09	2.09E-09
3776	471863.09, 3852377.25	1.66E-05	5.23E-09	2.22E-09	2.03E-05	6.40E-09	2.72E-09	1.78E-05	5.61E-09	2.38E-09
3777	472363.09, 3852377.25	1.80E-05	5.68E-09	2.41E-09	2.21E-05	6.96E-09	2.95E-09	1.93E-05	6.10E-09	2.59E-09
3778	472863.09, 3852377.25	1.93E-05	6.08E-09	2.58E-09	2.36E-05	7.45E-09	3.16E-09	2.07E-05	6.53E-09	2.77E-09
3779	473363.09, 3852377.25	2.01E-05	6.34E-09	2.69E-09	2.46E-05	7.77E-09	3.30E-09	2.16E-05	6.81E-09	2.89E-09
3780	473863.09, 3852377.25	2.06E-05	6.49E-09	2.75E-09	2.52E-05	7.95E-09	3.37E-09	2.21E-05	6.97E-09	2.96E-09
3781	474363.09, 3852377.25	2.13E-05	6.72E-09	2.85E-09	2.61E-05	8.24E-09	3.49E-09	2.29E-05	7.22E-09	3.06E-09
3782	474863.09, 3852377.25	2.58E-05	8.14E-09	3.45E-09	3.16E-05	9.97E-09	4.23E-09	2.77E-05	8.74E-09	3.71E-09
3783	475363.09, 3852377.25	2.69E-05	8.50E-09	3.61E-09	3.30E-05	1.04E-08	4.42E-09	2.89E-05	9.13E-09	3.88E-09
3784	475863.09, 3852377.25	2.81E-05	8.85E-09	3.76E-09	3.44E-05	1.08E-08	4.60E-09	3.01E-05	9.51E-09	4.03E-09
3785	476363.09, 3852377.25	2.87E-05	9.05E-09	3.84E-09	3.51E-05	1.11E-08	4.70E-09	3.08E-05	9.72E-09	4.12E-09
3786	476863.09, 3852377.25	3.04E-05	9.59E-09	4.07E-09	3.72E-05	1.17E-08	4.98E-09	3.26E-05	1.03E-08	4.37E-09
3787	477363.09, 3852377.25	3.15E-05	9.94E-09	4.22E-09	3.86E-05	1.22E-08	5.17E-09	3.38E-05	1.07E-08	4.53E-09
3788	477863.09, 3852377.25	2.95E-05	9.32E-09	3.96E-09	3.62E-05	1.14E-08	4.85E-09	3.17E-05	1.00E-08	4.25E-09
3789	478363.09, 3852377.25	2.90E-05	9.17E-09	3.89E-09	3.56E-05	1.12E-08	4.76E-09	3.12E-05	9.84E-09	4.18E-09
3790	478863.09, 3852377.25	3.82E-05	1.20E-08	5.11E-09	4.68E-05	1.48E-08	6.26E-09	4.10E-05	1.29E-08	5.49E-09
3791	479363.09, 3852377.25	4.59E-05	1.45E-08	6.15E-09	5.62E-05	1.77E-08	7.53E-09	4.93E-05	1.56E-08	6.60E-09
3792	479863.09, 3852377.25	5.55E-05	1.75E-08	7.43E-09	6.80E-05	2.15E-08	9.10E-09	5.96E-05	1.88E-08	7.98E-09
3793	480363.09, 3852377.25	6.05E-05	1.91E-08	8.11E-09	7.42E-05	2.34E-08	9.93E-09	6.51E-05	2.05E-08	8.71E-09
3794	480863.09, 3852377.25	6.28E-05	1.98E-08	8.41E-09	7.70E-05	2.43E-08	1.03E-08	6.75E-05	2.13E-08	9.05E-09
3795	481363.09, 3852377.25	7.11E-05	2.24E-08	9.52E-09	8.71E-05	2.75E-08	1.17E-08	7.65E-05	2.41E-08	1.02E-08
3796	481863.09, 3852377.25	8.40E-05	2.65E-08	1.12E-08	1.03E-04	3.25E-08	1.38E-08	9.02E-05	2.85E-08	1.21E-08
3797	482363.09, 3852377.25	8.82E-05	2.79E-08	1.18E-08	1.08E-04	3.41E-08	1.45E-08	9.48E-05	2.99E-08	1.27E-08
3798	482863.09, 3852377.25	7.96E-05	2.51E-08	1.07E-08	9.75E-05	3.08E-08	1.31E-08	8.55E-05	2.70E-08	1.15E-08
3799	483363.09, 3852377.25	5.82E-05	1.84E-08	7.79E-09	7.13E-05	2.25E-08	9.55E-09	6.25E-05	1.97E-08	8.37E-09
3800	483863.09, 3852377.25	4.77E-05	1.51E-08	6.39E-09	5.85E-05	1.85E-08	7.83E-09	5.13E-05	1.62E-08	6.87E-09
3801	484363.09, 3852377.25	5.25E-05	1.66E-08	7.03E-09	6.43E-05	2.03E-08	8.61E-09	5.64E-05	1.78E-08	7.55E-09
3802	484863.09, 3852377.25	5.29E-05	1.67E-08	7.08E-09	6.48E-05	2.05E-08	8.68E-09	5.69E-05	1.80E-08	7.62E-09
3803	485363.09, 3852377.25	5.47E-05	1.73E-08	7.33E-09	6.71E-05	2.12E-08	8.98E-09	5.89E-05	1.86E-08	7.88E-09
3804	485863.09, 3852377.25	4.96E-05	1.56E-08	6.64E-09	6.07E-05	1.92E-08	8.13E-09	5.33E-05	1.68E-08	7.14E-09
3805	486363.09, 3852377.25	4.15E-05	1.31E-08	5.56E-09	5.08E-05	1.60E-08	6.81E-09	4.46E-05	1.41E-08	5.97E-09
3806	486863.09, 3852377.25	3.91E-05	1.23E-08	5.23E-09	4.79E-05	1.51E-08	6.41E-09	4.20E-05	1.33E-08	5.63E-09
3807	487363.09, 3852377.25	3.60E-05	1.14E-08	4.82E-09	4.41E-05	1.39E-08	5.90E-09	3.87E-05	1.22E-08	5.18E-09
3808	487863.09, 3852377.25	3.44E-05	1.08E-08	4.60E-09	4.21E-05	1.33E-08	5.64E-09	3.69E-05	1.17E-08	4.95E-09
3809	488363.09, 3852377.25	3.37E-05	1.06E-08	4.51E-09	4.13E-05	1.30E-08	5.52E-09	3.62E-05	1.14E-08	4.84E-09
3810	488863.09, 3852377.25	3.27E-05	1.03E-08	4.38E-09	4.00E-05	1.26E-08	5.36E-09	3.51E-05	1.11E-08	4.70E-09
3811	489363.09, 3852377.25	3.28E-05	1.03E-08	4.39E-09	4.02E-05	1.27E-08	5.38E-09	3.52E-05	1.11E-08	4.71E-09
3812	489863.09, 3852377.25	3.15E-05	9.95E-09	4.22E-09	3.86E-05	1.22E-08	5.17E-09	3.38E-05	1.07E-08	4.53E-09
3813	490363.09, 3852377.25	3.63E-05	1.15E-08	4.86E-09	4.45E-05	1.40E-08	5.95E-09	3.89E-05	1.23E-08	5.22E-09
3814	490863.09, 3852377.25	4.01E-05	1.27E-08	5.37E-09	4.91E-05	1.55E-08	6.58E-09	4.30E-05	1.36E-08	5.76E-09
3815	491363.09, 3852377.25	4.81E-05	1.52E-08	6.44E-09	5.89E-05	1.86E-08	7.89E-09	5.16E-05	1.63E-08	6.91E-09
3816	491863.09, 3852377.25	5.00E-05	1.58E-08	6.70E-09	6.12E-05	1.93E-08	8.20E-09	5.37E-05	1.69E-08	7.19E-09
3817	492363.09, 3852377.25	5.09E-05	1.61E-08	6.82E-09	6.24E-05	1.97E-08	8.36E-09	5.47E-05	1.73E-08	7.32E-09
3818	492863.09, 3852377.25	5.46E-05	1.72E-08	7.31E-09	6.68E-05	2.11E-08	8.95E-09	5.86E-05	1.85E-08	7.85E-09
3819	493363.09, 3852377.25	6.08E-05	1.92E-08	8.14E-09	7.44E-05	2.35E-08	9.97E-09	6.52E-05	2.06E-08	8.74E-09
3820	493863.09, 3852377.25	6.01E-05	1.90E-08	8.04E-09	7.36E-05	2.32E-08	9.85E-09	6.45E-05	2.04E-08	8.64E-09
3821	494363.09, 3852377.25	5.94E-05	1.87E-08	7.96E-09	7.28E-05	2.30E-08	9.74E-09	6.38E-05	2.01E-08	8.54E-09
3822	494863.09, 3852377.25	6.23E-05	1.97E-08	8.34E-09	7.63E-05	2.41E-08	1.02E-08	6.69E-05	2.11E-08	8.96E-09
3823	495363.09, 3852377.25	6.51E-05	2.05E-08	8.72E-09	7.97E-05	2.52E-08	1.07E-08	6.99E-05	2.21E-08	9.36E-09
3824	495863.09, 3852377.25	6.23E-05	1.97E-08	8.35E-09	7.64E-05	2.41E-08	1.02E-08	6.69E-05	2.11E-08	8.97E-09
3825	496363.09, 3852377.25	5.94E-05	1.87E-08	7.95E-09	7.27E-05	2.30E-08	9.74E-09	6.38E-05	2.01E-08	8.54E-09
3826	496863.09, 3852377.25	5.73E-05	1.81E-08	7.68E-09	7.02E-05	2.22E-08	9.40E-09	6.16E-05	1.94E-08	8.25E-09
3827	497363.09, 3852377.25	5.19E-05	1.64E-08	6.95E-09	6.36E-05	2.01E-08	8.52E-09	5.58E-05	1.76E-08	7.47E-09
3828	497863.09, 3852377.25	4.67E-05	1.47E-08	6.25E-09	5.72E-05	1.80E-08	7.66E-09	5.01E-05	1.58E-08	6.71E-09
3829	498363.09, 3852377.25	4.20E-05	1.33E-08	5.63E-09	5.15E-05	1.62E-08	6.89E-09	4.51E-05	1.42E-08	6.04E-09
3830	471363.09, 3852877.25	1.50E-05	4.72E-09	2.00E-09	1.83E-05	5.78E-09	2.45E-09	1.61E-05	5.07E-09	2.15E-09
3831	471863.09, 3852877.25	1.66E-05	5.23E-09	2.22E-09	2.03E-05	6.41E-09	2.72E-09	1.78E-05	5.62E-09	2.38E-09
3832	472363.09, 3852877.25	1.83E-05	5.76E-09	2.45E-09	2.24E-05	7.06E-09	3.00E-09	1.96E-05	6.19E-09	2.63E-09
3833	472863.09, 3852877.25	1.98E-05	6.26E-09	2.66E-09	2.43E-05	7.67E-09	3.25E-09	2.13E-05	6.72E-09	2.85E-09
3834	473363.09, 3852877.25	2.16E-05	6.83E-09	2.90E-09	2.65E-05	8.36E-09	3.55E-09	2.32E-05	7.33E-09	3.11E-09
3835	473863.09, 3852877.25	2.38E-05	7.50E-09	3.18E-09	2.91E-05	9.18E-09	3.90E-09	2.55E-05	8.05E-09	3.41E-09
3836	474363.09, 3852877.25	2.59E-05	8.19E-09	3.47E-09	3.18E-05	1.00E-08	4.25E-09	2.78E-05	8.79E-09	3.73E-09

3837	474863.09, 3852877.25	2.54E-05	8.02E-09	3.40E-09	3.11E-05	9.82E-09	4.17E-09	2.73E-05	8.61E-09	3.65E-09
3838	475363.09, 3852877.25	2.78E-05	8.79E-09	3.73E-09	3.41E-05	1.08E-08	4.57E-09	2.99E-05	9.43E-09	4.00E-09
3839	475863.09, 3852877.25	2.90E-05	9.16E-09	3.89E-09	3.55E-05	1.12E-08	4.76E-09	3.12E-05	9.84E-09	4.17E-09
3840	476363.09, 3852877.25	2.83E-05	8.93E-09	3.79E-09	3.47E-05	1.09E-08	4.64E-09	3.04E-05	9.59E-09	4.07E-09
3841	476863.09, 3852877.25	2.59E-05	8.17E-09	3.47E-09	3.17E-05	1.00E-08	4.25E-09	2.78E-05	8.78E-09	3.72E-09
3842	477363.09, 3852877.25	2.42E-05	7.64E-09	3.24E-09	2.96E-05	9.36E-09	3.97E-09	2.60E-05	8.20E-09	3.48E-09
3843	477863.09, 3852877.25	2.21E-05	6.99E-09	2.97E-09	2.71E-05	8.56E-09	3.63E-09	2.38E-05	7.50E-09	3.18E-09
3844	478363.09, 3852877.25	1.73E-05	5.46E-09	2.32E-09	2.12E-05	6.69E-09	2.84E-09	1.86E-05	5.86E-09	2.49E-09
3845	478863.09, 3852877.25	2.12E-05	6.69E-09	2.84E-09	2.60E-05	8.20E-09	3.48E-09	2.28E-05	7.18E-09	3.05E-09
3846	479363.09, 3852877.25	3.06E-05	9.66E-09	4.10E-09	3.75E-05	1.18E-08	5.02E-09	3.29E-05	1.04E-08	4.40E-09
3847	479863.09, 3852877.25	5.37E-05	1.70E-08	7.20E-09	6.58E-05	2.08E-08	8.81E-09	5.77E-05	1.82E-08	7.73E-09
3848	480363.09, 3852877.25	7.14E-05	2.25E-08	9.56E-09	8.74E-05	2.76E-08	1.17E-08	7.67E-05	2.42E-08	1.03E-08
3849	480863.09, 3852877.25	7.96E-05	2.51E-08	1.07E-08	9.75E-05	3.08E-08	1.31E-08	8.55E-05	2.70E-08	1.15E-08
3850	481363.09, 3852877.25	8.43E-05	2.66E-08	1.13E-08	1.03E-04	3.26E-08	1.38E-08	9.06E-05	2.86E-08	1.21E-08
3851	481863.09, 3852877.25	9.67E-05	3.05E-08	1.30E-08	1.19E-04	3.74E-08	1.59E-08	1.04E-04	3.28E-08	1.39E-08
3852	482363.09, 3852877.25	1.14E-04	3.61E-08	1.53E-08	1.40E-04	4.42E-08	1.87E-08	1.23E-04	3.88E-08	1.64E-08
3853	482863.09, 3852877.25	1.23E-04	3.87E-08	1.64E-08	1.50E-04	4.74E-08	2.01E-08	1.32E-04	4.16E-08	1.76E-08
3854	483363.09, 3852877.25	1.05E-04	3.32E-08	1.41E-08	1.29E-04	4.06E-08	1.72E-08	1.13E-04	3.56E-08	1.51E-08
3855	483863.09, 3852877.25	7.69E-05	2.43E-08	1.03E-08	9.42E-05	2.97E-08	1.26E-08	8.26E-05	2.61E-08	1.11E-08
3856	484363.09, 3852877.25	8.65E-05	2.73E-08	1.16E-08	1.06E-04	3.35E-08	1.42E-08	9.31E-05	2.94E-08	1.25E-08
3857	484863.09, 3852877.25	8.91E-05	2.81E-08	1.19E-08	1.09E-04	3.44E-08	1.46E-08	9.58E-05	3.02E-08	1.28E-08
3858	485363.09, 3852877.25	6.44E-05	2.03E-08	8.63E-09	7.90E-05	2.49E-08	1.06E-08	6.93E-05	2.19E-08	9.29E-09
3859	485863.09, 3852877.25	5.76E-05	1.82E-08	7.72E-09	7.06E-05	2.23E-08	9.46E-09	6.20E-05	1.96E-08	8.30E-09
3860	486363.09, 3852877.25	5.04E-05	1.59E-08	6.75E-09	6.18E-05	1.95E-08	8.27E-09	5.42E-05	1.71E-08	7.26E-09
3861	486863.09, 3852877.25	4.94E-05	1.56E-08	6.61E-09	6.05E-05	1.91E-08	8.10E-09	5.31E-05	1.68E-08	7.11E-09
3862	487363.09, 3852877.25	4.73E-05	1.49E-08	6.33E-09	5.79E-05	1.83E-08	7.76E-09	5.08E-05	1.60E-08	6.80E-09
3863	487863.09, 3852877.25	4.70E-05	1.48E-08	6.30E-09	5.76E-05	1.82E-08	7.72E-09	5.05E-05	1.59E-08	6.76E-09
3864	488363.09, 3852877.25	3.71E-05	1.17E-08	4.96E-09	4.54E-05	1.43E-08	6.08E-09	3.98E-05	1.26E-08	5.33E-09
3865	488863.09, 3852877.25	4.23E-05	1.34E-08	5.67E-09	5.19E-05	1.64E-08	6.95E-09	4.54E-05	1.43E-08	6.08E-09
3866	489363.09, 3852877.25	4.52E-05	1.43E-08	6.05E-09	5.54E-05	1.75E-08	7.41E-09	4.85E-05	1.53E-08	6.49E-09
3867	489863.09, 3852877.25	4.75E-05	1.50E-08	6.36E-09	5.82E-05	1.84E-08	7.79E-09	5.09E-05	1.61E-08	6.82E-09
3868	490363.09, 3852877.25	6.14E-05	1.94E-08	8.22E-09	7.52E-05	2.37E-08	1.01E-08	6.59E-05	2.08E-08	8.82E-09
3869	490863.09, 3852877.25	6.80E-05	2.15E-08	9.11E-09	8.34E-05	2.63E-08	1.12E-08	7.30E-05	2.31E-08	9.78E-09
3870	491363.09, 3852877.25	7.35E-05	2.32E-08	9.84E-09	9.00E-05	2.84E-08	1.21E-08	7.89E-05	2.49E-08	1.06E-08
3871	491863.09, 3852877.25	7.52E-05	2.37E-08	1.01E-08	9.21E-05	2.91E-08	1.23E-08	8.07E-05	2.55E-08	1.08E-08
3872	492363.09, 3852877.25	7.75E-05	2.45E-08	1.04E-08	9.50E-05	3.00E-08	1.27E-08	8.33E-05	2.63E-08	1.12E-08
3873	492863.09, 3852877.25	8.32E-05	2.63E-08	1.11E-08	1.02E-04	3.22E-08	1.36E-08	8.93E-05	2.82E-08	1.20E-08
3874	493363.09, 3852877.25	8.63E-05	2.72E-08	1.16E-08	1.06E-04	3.34E-08	1.42E-08	9.27E-05	2.92E-08	1.24E-08
3875	493863.09, 3852877.25	8.46E-05	2.67E-08	1.13E-08	1.04E-04	3.27E-08	1.39E-08	9.09E-05	2.87E-08	1.22E-08
3876	494363.09, 3852877.25	8.34E-05	2.63E-08	1.12E-08	1.02E-04	3.23E-08	1.37E-08	8.96E-05	2.83E-08	1.20E-08
3877	494863.09, 3852877.25	8.36E-05	2.64E-08	1.12E-08	1.02E-04	3.23E-08	1.37E-08	8.98E-05	2.83E-08	1.20E-08
3878	495363.09, 3852877.25	7.87E-05	2.49E-08	1.05E-08	9.65E-05	3.04E-08	1.29E-08	8.46E-05	2.67E-08	1.13E-08
3879	495863.09, 3852877.25	7.40E-05	2.34E-08	9.91E-09	9.07E-05	2.86E-08	1.21E-08	7.95E-05	2.51E-08	1.06E-08
3880	496363.09, 3852877.25	7.22E-05	2.28E-08	9.67E-09	8.84E-05	2.79E-08	1.18E-08	7.75E-05	2.45E-08	1.04E-08
3881	496863.09, 3852877.25	6.85E-05	2.16E-08	9.18E-09	8.39E-05	2.65E-08	1.12E-08	7.36E-05	2.32E-08	9.85E-09
3882	497363.09, 3852877.25	5.87E-05	1.85E-08	7.86E-09	7.19E-05	2.27E-08	9.63E-09	6.31E-05	1.99E-08	8.44E-09
3883	497863.09, 3852877.25	4.46E-05	1.41E-08	5.98E-09	5.47E-05	1.72E-08	7.32E-09	4.79E-05	1.51E-08	6.42E-09
3884	498363.09, 3852877.25	4.18E-05	1.32E-08	5.59E-09	5.12E-05	1.62E-08	6.85E-09	4.49E-05	1.42E-08	6.01E-09
3885	471363.09, 3853377.25	1.56E-05	4.94E-09	2.09E-09	1.92E-05	6.05E-09	2.56E-09	1.68E-05	5.30E-09	2.25E-09
3886	471863.09, 3853377.25	1.70E-05	5.38E-09	2.28E-09	2.09E-05	6.59E-09	2.80E-09	1.83E-05	5.78E-09	2.45E-09
3887	472363.09, 3853377.25	1.85E-05	5.82E-09	2.47E-09	2.26E-05	7.13E-09	3.03E-09	1.98E-05	6.26E-09	2.65E-09
3888	472863.09, 3853377.25	2.00E-05	6.31E-09	2.68E-09	2.45E-05	7.72E-09	3.28E-09	2.15E-05	6.77E-09	2.87E-09
3889	473363.09, 3853377.25	2.13E-05	6.72E-09	2.85E-09	2.61E-05	8.24E-09	3.49E-09	2.29E-05	7.22E-09	3.06E-09
3890	473863.09, 3853377.25	2.29E-05	7.23E-09	3.07E-09	2.80E-05	8.85E-09	3.76E-09	2.46E-05	7.76E-09	3.29E-09
3891	474363.09, 3853377.25	2.45E-05	7.75E-09	3.29E-09	3.01E-05	9.49E-09	4.03E-09	2.64E-05	8.32E-09	3.53E-09
3892	474863.09, 3853377.25	2.50E-05	7.89E-09	3.35E-09	3.06E-05	9.66E-09	4.10E-09	2.68E-05	8.47E-09	3.59E-09
3893	475363.09, 3853377.25	2.59E-05	8.19E-09	3.47E-09	3.18E-05	1.00E-08	4.26E-09	2.79E-05	8.79E-09	3.73E-09
3894	475863.09, 3853377.25	2.67E-05	8.44E-09	3.58E-09	3.28E-05	1.03E-08	4.39E-09	2.87E-05	9.06E-09	3.84E-09
3895	476363.09, 3853377.25	2.55E-05	8.06E-09	3.42E-09	3.13E-05	9.87E-09	4.19E-09	2.74E-05	8.65E-09	3.67E-09
3896	476863.09, 3853377.25	2.20E-05	6.94E-09	2.94E-09	2.69E-05	8.50E-09	3.61E-09	2.36E-05	7.45E-09	3.16E-09
3897	477363.09, 3853377.25	2.15E-05	6.80E-09	2.88E-09	2.64E-05	8.32E-09	3.53E-09	2.31E-05	7.30E-09	3.10E-09
3898	477863.09, 3853377.25	2.20E-05	6.94E-09	2.95E-09	2.70E-05	8.51E-09	3.61E-09	2.36E-05	7.46E-09	3.17E-09
3899	478363.09, 3853377.25	1.87E-05	5.89E-09	2.50E-09	2.29E-05	7.21E-09	3.06E-09	2.00E-05	6.33E-09	2.68E-09
3900	478863.09, 3853377.25	1.45E-05	4.56E-09	1.94E-09	1.77E-05	5.59E-09	2.37E-09	1.55E-05	4.90E-09	2.08E-09

3901	479363.09, 3853377.25	2.60E-05	8.19E-09	3.48E-09	3.18E-05	1.00E-08	4.26E-09	2.79E-05	8.79E-09	3.73E-09
3902	479863.09, 3853377.25	4.28E-05	1.35E-08	5.73E-09	5.24E-05	1.65E-08	7.02E-09	4.59E-05	1.45E-08	6.15E-09
3903	480363.09, 3853377.25	7.03E-05	2.22E-08	9.41E-09	8.61E-05	2.72E-08	1.15E-08	7.55E-05	2.38E-08	1.01E-08
3904	480863.09, 3853377.25	7.65E-05	2.42E-08	1.03E-08	9.38E-05	2.96E-08	1.26E-08	8.22E-05	2.60E-08	1.10E-08
3905	481363.09, 3853377.25	1.08E-04	3.42E-08	1.45E-08	1.33E-04	4.19E-08	1.78E-08	1.17E-04	3.68E-08	1.56E-08
3906	481863.09, 3853377.25	1.29E-04	4.06E-08	1.72E-08	1.58E-04	4.98E-08	2.11E-08	1.38E-04	4.37E-08	1.85E-08
3907	482363.09, 3853377.25	1.65E-04	5.19E-08	2.20E-08	2.02E-04	6.36E-08	2.70E-08	1.77E-04	5.59E-08	2.37E-08
3908	482863.09, 3853377.25	2.02E-04	6.36E-08	2.70E-08	2.47E-04	7.79E-08	3.31E-08	2.17E-04	6.84E-08	2.90E-08
3909	483363.09, 3853377.25	2.12E-04	6.70E-08	2.84E-08	2.60E-04	8.21E-08	3.48E-08	2.28E-04	7.21E-08	3.06E-08
3910	483863.09, 3853377.25	1.93E-04	6.08E-08	2.58E-08	2.36E-04	7.45E-08	3.16E-08	2.07E-04	6.55E-08	2.78E-08
3911	484363.09, 3853377.25	1.81E-04	5.73E-08	2.43E-08	2.22E-04	7.02E-08	2.98E-08	1.95E-04	6.16E-08	2.62E-08
3912	484863.09, 3853377.25	1.38E-04	4.37E-08	1.85E-08	1.70E-04	5.35E-08	2.27E-08	1.49E-04	4.70E-08	2.00E-08
3913	485363.09, 3853377.25	8.62E-05	2.72E-08	1.15E-08	1.06E-04	3.33E-08	1.41E-08	9.28E-05	2.93E-08	1.24E-08
3914	485863.09, 3853377.25	6.34E-05	2.00E-08	8.49E-09	7.77E-05	2.45E-08	1.04E-08	6.82E-05	2.15E-08	9.14E-09
3915	486363.09, 3853377.25	6.81E-05	2.15E-08	9.12E-09	8.34E-05	2.63E-08	1.12E-08	7.32E-05	2.31E-08	9.80E-09
3916	486863.09, 3853377.25	7.27E-05	2.29E-08	9.73E-09	8.90E-05	2.81E-08	1.19E-08	7.80E-05	2.46E-08	1.04E-08
3917	487363.09, 3853377.25	8.18E-05	2.58E-08	1.10E-08	1.00E-04	3.16E-08	1.34E-08	8.78E-05	2.77E-08	1.18E-08
3918	487863.09, 3853377.25	8.85E-05	2.79E-08	1.19E-08	1.08E-04	3.42E-08	1.45E-08	9.50E-05	3.00E-08	1.27E-08
3919	488363.09, 3853377.25	9.67E-05	3.05E-08	1.30E-08	1.19E-04	3.74E-08	1.59E-08	1.04E-04	3.28E-08	1.39E-08
3920	488863.09, 3853377.25	9.90E-05	3.13E-08	1.33E-08	1.21E-04	3.83E-08	1.62E-08	1.06E-04	3.35E-08	1.42E-08
3921	489363.09, 3853377.25	1.00E-04	3.16E-08	1.34E-08	1.23E-04	3.87E-08	1.64E-08	1.07E-04	3.39E-08	1.44E-08
3922	489863.09, 3853377.25	9.77E-05	3.08E-08	1.31E-08	1.20E-04	3.78E-08	1.60E-08	1.05E-04	3.31E-08	1.40E-08
3923	490363.09, 3853377.25	1.04E-04	3.29E-08	1.39E-08	1.28E-04	4.03E-08	1.71E-08	1.12E-04	3.53E-08	1.50E-08
3924	490863.09, 3853377.25	1.08E-04	3.40E-08	1.44E-08	1.32E-04	4.16E-08	1.77E-08	1.16E-04	3.65E-08	1.55E-08
3925	491363.09, 3853377.25	1.10E-04	3.49E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.19E-04	3.74E-08	1.59E-08
3926	491863.09, 3853377.25	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.33E-08	1.84E-08	1.20E-04	3.79E-08	1.61E-08
3927	492363.09, 3853377.25	1.16E-04	3.66E-08	1.55E-08	1.42E-04	4.49E-08	1.90E-08	1.25E-04	3.94E-08	1.67E-08
3928	492863.09, 3853377.25	1.19E-04	3.77E-08	1.60E-08	1.46E-04	4.62E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
3929	493363.09, 3853377.25	1.18E-04	3.72E-08	1.58E-08	1.44E-04	4.56E-08	1.93E-08	1.27E-04	3.99E-08	1.69E-08
3930	493863.09, 3853377.25	1.15E-04	3.63E-08	1.54E-08	1.41E-04	4.45E-08	1.89E-08	1.24E-04	3.90E-08	1.65E-08
3931	494363.09, 3853377.25	1.09E-04	3.44E-08	1.46E-08	1.33E-04	4.21E-08	1.79E-08	1.17E-04	3.69E-08	1.57E-08
3932	494863.09, 3853377.25	1.02E-04	3.21E-08	1.36E-08	1.24E-04	3.93E-08	1.67E-08	1.09E-04	3.44E-08	1.46E-08
3933	495363.09, 3853377.25	9.73E-05	3.07E-08	1.30E-08	1.19E-04	3.76E-08	1.60E-08	1.05E-04	3.30E-08	1.40E-08
3934	495863.09, 3853377.25	9.14E-05	2.88E-08	1.22E-08	1.12E-04	3.53E-08	1.50E-08	9.81E-05	3.10E-08	1.31E-08
3935	496363.09, 3853377.25	8.36E-05	2.64E-08	1.12E-08	1.02E-04	3.23E-08	1.37E-08	8.98E-05	2.83E-08	1.20E-08
3936	496863.09, 3853377.25	7.31E-05	2.31E-08	9.79E-09	8.95E-05	2.83E-08	1.20E-08	7.85E-05	2.48E-08	1.05E-08
3937	497363.09, 3853377.25	6.07E-05	1.92E-08	8.14E-09	7.44E-05	2.35E-08	9.96E-09	6.52E-05	2.06E-08	8.74E-09
3938	497863.09, 3853377.25	4.11E-05	1.30E-08	5.50E-09	5.03E-05	1.59E-08	6.74E-09	4.41E-05	1.39E-08	5.91E-09
3939	498363.09, 3853377.25	3.26E-05	1.03E-08	4.36E-09	3.99E-05	1.26E-08	5.34E-09	3.50E-05	1.10E-08	4.68E-09
3940	471363.09, 3853877.25	1.58E-05	5.00E-09	2.12E-09	1.94E-05	6.12E-09	2.60E-09	1.70E-05	5.37E-09	2.28E-09
3941	471863.09, 3853877.25	1.74E-05	5.50E-09	2.34E-09	2.14E-05	6.74E-09	2.86E-09	1.87E-05	5.91E-09	2.51E-09
3942	472363.09, 3853877.25	1.85E-05	5.85E-09	2.48E-09	2.27E-05	7.17E-09	3.04E-09	1.99E-05	6.29E-09	2.67E-09
3943	472863.09, 3853877.25	2.00E-05	6.32E-09	2.68E-09	2.45E-05	7.74E-09	3.28E-09	2.15E-05	6.79E-09	2.88E-09
3944	473363.09, 3853877.25	2.11E-05	6.66E-09	2.83E-09	2.59E-05	8.16E-09	3.46E-09	2.27E-05	7.16E-09	3.04E-09
3945	473863.09, 3853877.25	2.23E-05	7.05E-09	2.99E-09	2.74E-05	8.64E-09	3.66E-09	2.40E-05	7.57E-09	3.21E-09
3946	474363.09, 3853877.25	2.40E-05	7.57E-09	3.21E-09	2.94E-05	9.27E-09	3.93E-09	2.58E-05	8.13E-09	3.45E-09
3947	474863.09, 3853877.25	2.55E-05	8.05E-09	3.41E-09	3.12E-05	9.85E-09	4.18E-09	2.74E-05	8.64E-09	3.67E-09
3948	475363.09, 3853877.25	2.54E-05	8.01E-09	3.40E-09	3.11E-05	9.81E-09	4.16E-09	2.73E-05	8.60E-09	3.65E-09
3949	475863.09, 3853877.25	2.24E-05	7.08E-09	3.00E-09	2.75E-05	8.67E-09	3.68E-09	2.41E-05	7.60E-09	3.23E-09
3950	476363.09, 3853877.25	1.91E-05	6.02E-09	2.55E-09	2.34E-05	7.37E-09	3.13E-09	2.05E-05	6.46E-09	2.74E-09
3951	476863.09, 3853877.25	1.50E-05	4.74E-09	2.01E-09	1.84E-05	5.81E-09	2.47E-09	1.61E-05	5.09E-09	2.16E-09
3952	477363.09, 3853877.25	1.67E-05	5.27E-09	2.24E-09	2.05E-05	6.46E-09	2.74E-09	1.79E-05	5.66E-09	2.40E-09
3953	477863.09, 3853877.25	1.97E-05	6.20E-09	2.63E-09	2.41E-05	7.60E-09	3.22E-09	2.11E-05	6.66E-09	2.83E-09
3954	478363.09, 3853877.25	2.11E-05	6.66E-09	2.83E-09	2.58E-05	8.16E-09	3.46E-09	2.27E-05	7.15E-09	3.03E-09
3955	478863.09, 3853877.25	1.49E-05	4.69E-09	1.99E-09	1.82E-05	5.75E-09	2.44E-09	1.60E-05	5.04E-09	2.14E-09
3956	479363.09, 3853877.25	2.09E-05	6.61E-09	2.80E-09	2.56E-05	8.09E-09	3.43E-09	2.25E-05	7.10E-09	3.01E-09
3957	479863.09, 3853877.25	4.23E-05	1.34E-08	5.66E-09	5.18E-05	1.64E-08	6.94E-09	4.54E-05	1.43E-08	6.08E-09
3958	480363.09, 3853877.25	6.46E-05	2.04E-08	8.64E-09	7.91E-05	2.50E-08	1.06E-08	6.93E-05	2.19E-08	9.28E-09
3959	480863.09, 3853877.25	1.01E-04	3.17E-08	1.35E-08	1.23E-04	3.89E-08	1.65E-08	1.08E-04	3.41E-08	1.45E-08
3960	481363.09, 3853877.25	1.32E-04	4.15E-08	1.76E-08	1.61E-04	5.09E-08	2.16E-08	1.41E-04	4.46E-08	1.89E-08
3961	481863.09, 3853877.25	1.67E-04	5.26E-08	2.23E-08	2.04E-04	6.44E-08	2.73E-08	1.79E-04	5.66E-08	2.40E-08
3962	482363.09, 3853877.25	2.53E-04	7.99E-08	3.39E-08	3.10E-04	9.79E-08	4.15E-08	2.73E-04	8.60E-08	3.65E-08
3963	482863.09, 3853877.25	1.22E-03	3.84E-07	1.63E-07	1.49E-03	4.71E-07	2.00E-07	1.31E-03	4.15E-07	1.76E-07
3964	483363.09, 3853877.25	7.27E-04	2.29E-07	9.74E-08	8.91E-04	2.81E-07	1.19E-07	7.84E-04	2.47E-07	1.05E-07

3965	483863.09, 3853877.25	4.78E-04	1.51E-07	6.41E-08	5.86E-04	1.85E-07	7.85E-08	5.15E-04	1.63E-07	6.90E-08
3966	484363.09, 3853877.25	3.23E-04	1.02E-07	4.32E-08	3.96E-04	1.25E-07	5.30E-08	3.48E-04	1.10E-07	4.66E-08
3967	484863.09, 3853877.25	2.04E-04	6.45E-08	2.74E-08	2.50E-04	7.90E-08	3.35E-08	2.20E-04	6.94E-08	2.95E-08
3968	485363.09, 3853877.25	1.23E-04	3.88E-08	1.64E-08	1.50E-04	4.75E-08	2.02E-08	1.32E-04	4.17E-08	1.77E-08
3969	485863.09, 3853877.25	1.42E-04	4.47E-08	1.90E-08	1.74E-04	5.48E-08	2.33E-08	1.52E-04	4.81E-08	2.04E-08
3970	486363.09, 3853877.25	1.45E-04	4.58E-08	1.94E-08	1.78E-04	5.62E-08	2.38E-08	1.56E-04	4.92E-08	2.09E-08
3971	486863.09, 3853877.25	1.43E-04	4.51E-08	1.91E-08	1.75E-04	5.53E-08	2.34E-08	1.53E-04	4.84E-08	2.05E-08
3972	487363.09, 3853877.25	1.54E-04	4.85E-08	2.06E-08	1.88E-04	5.94E-08	2.52E-08	1.65E-04	5.20E-08	2.21E-08
3973	487863.09, 3853877.25	1.75E-04	5.54E-08	2.35E-08	2.15E-04	6.78E-08	2.88E-08	1.88E-04	5.94E-08	2.52E-08
3974	488363.09, 3853877.25	1.81E-04	5.73E-08	2.43E-08	2.22E-04	7.01E-08	2.98E-08	1.95E-04	6.14E-08	2.61E-08
3975	488863.09, 3853877.25	1.91E-04	6.02E-08	2.56E-08	2.34E-04	7.38E-08	3.13E-08	2.05E-04	6.46E-08	2.74E-08
3976	489363.09, 3853877.25	1.77E-04	5.60E-08	2.37E-08	2.17E-04	6.86E-08	2.91E-08	1.90E-04	6.01E-08	2.55E-08
3977	489863.09, 3853877.25	1.77E-04	5.59E-08	2.37E-08	2.17E-04	6.85E-08	2.91E-08	1.90E-04	6.00E-08	2.55E-08
3978	490363.09, 3853877.25	1.71E-04	5.39E-08	2.29E-08	2.09E-04	6.60E-08	2.80E-08	1.83E-04	5.78E-08	2.45E-08
3979	490863.09, 3853877.25	1.68E-04	5.30E-08	2.25E-08	2.06E-04	6.49E-08	2.75E-08	1.80E-04	5.69E-08	2.41E-08
3980	491363.09, 3853877.25	1.66E-04	5.23E-08	2.22E-08	2.03E-04	6.41E-08	2.72E-08	1.78E-04	5.62E-08	2.39E-08
3981	491863.09, 3853877.25	1.63E-04	5.15E-08	2.18E-08	2.00E-04	6.30E-08	2.67E-08	1.75E-04	5.53E-08	2.34E-08
3982	492363.09, 3853877.25	1.65E-04	5.20E-08	2.21E-08	2.02E-04	6.37E-08	2.70E-08	1.77E-04	5.59E-08	2.37E-08
3983	492863.09, 3853877.25	1.63E-04	5.13E-08	2.18E-08	1.99E-04	6.29E-08	2.67E-08	1.75E-04	5.51E-08	2.34E-08
3984	493363.09, 3853877.25	1.55E-04	4.90E-08	2.08E-08	1.90E-04	6.01E-08	2.55E-08	1.67E-04	5.27E-08	2.23E-08
3985	493863.09, 3853877.25	1.46E-04	4.62E-08	1.96E-08	1.79E-04	5.66E-08	2.40E-08	1.57E-04	4.97E-08	2.11E-08
3986	494363.09, 3853877.25	1.39E-04	4.39E-08	1.86E-08	1.70E-04	5.38E-08	2.28E-08	1.49E-04	4.72E-08	2.00E-08
3987	494863.09, 3853877.25	1.29E-04	4.08E-08	1.73E-08	1.58E-04	5.00E-08	2.12E-08	1.39E-04	4.38E-08	1.86E-08
3988	495363.09, 3853877.25	1.12E-04	3.52E-08	1.49E-08	1.37E-04	4.31E-08	1.83E-08	1.20E-04	3.78E-08	1.60E-08
3989	495863.09, 3853877.25	9.77E-05	3.08E-08	1.31E-08	1.20E-04	3.78E-08	1.60E-08	1.05E-04	3.31E-08	1.41E-08
3990	496363.09, 3853877.25	8.87E-05	2.80E-08	1.19E-08	1.09E-04	3.43E-08	1.45E-08	9.52E-05	3.01E-08	1.28E-08
3991	496863.09, 3853877.25	7.45E-05	2.35E-08	9.97E-09	9.12E-05	2.88E-08	1.22E-08	8.00E-05	2.52E-08	1.07E-08
3992	497363.09, 3853877.25	6.34E-05	2.00E-08	8.49E-09	7.76E-05	2.45E-08	1.04E-08	6.81E-05	2.15E-08	9.11E-09
3993	497863.09, 3853877.25	4.99E-05	1.57E-08	6.68E-09	6.11E-05	1.93E-08	8.18E-09	5.35E-05	1.69E-08	7.17E-09
3994	498363.09, 3853877.25	4.23E-05	1.34E-08	5.67E-09	5.19E-05	1.64E-08	6.95E-09	4.55E-05	1.44E-08	6.09E-09
3995	471363.09, 3854377.25	1.63E-05	5.13E-09	2.18E-09	1.99E-05	6.28E-09	2.67E-09	1.74E-05	5.51E-09	2.34E-09
3996	471863.09, 3854377.25	1.78E-05	5.63E-09	2.39E-09	2.18E-05	6.89E-09	2.92E-09	1.91E-05	6.04E-09	2.56E-09
3997	472363.09, 3854377.25	1.91E-05	6.02E-09	2.55E-09	2.34E-05	7.37E-09	3.13E-09	2.05E-05	6.46E-09	2.74E-09
3998	472863.09, 3854377.25	2.01E-05	6.36E-09	2.70E-09	2.47E-05	7.79E-09	3.30E-09	2.16E-05	6.82E-09	2.90E-09
3999	473363.09, 3854377.25	2.16E-05	6.82E-09	2.89E-09	2.65E-05	8.35E-09	3.54E-09	2.32E-05	7.32E-09	3.10E-09
4000	473863.09, 3854377.25	2.34E-05	7.38E-09	3.13E-09	2.87E-05	9.04E-09	3.84E-09	2.51E-05	7.93E-09	3.36E-09
4001	474363.09, 3854377.25	2.52E-05	7.96E-09	3.38E-09	3.09E-05	9.75E-09	4.14E-09	2.71E-05	8.55E-09	3.63E-09
4002	474863.09, 3854377.25	2.51E-05	7.91E-09	3.36E-09	3.07E-05	9.69E-09	4.11E-09	2.69E-05	8.50E-09	3.61E-09
4003	475363.09, 3854377.25	2.25E-05	7.12E-09	3.02E-09	2.76E-05	8.72E-09	3.70E-09	2.42E-05	7.64E-09	3.24E-09
4004	475863.09, 3854377.25	1.58E-05	4.98E-09	2.11E-09	1.93E-05	6.10E-09	2.59E-09	1.69E-05	5.35E-09	2.27E-09
4005	476363.09, 3854377.25	1.42E-05	4.49E-09	1.90E-09	1.74E-05	5.50E-09	2.33E-09	1.53E-05	4.82E-09	2.05E-09
4006	476863.09, 3854377.25	1.38E-05	4.36E-09	1.85E-09	1.69E-05	5.34E-09	2.27E-09	1.48E-05	4.68E-09	1.99E-09
4007	477363.09, 3854377.25	1.38E-05	4.37E-09	1.85E-09	1.70E-05	5.35E-09	2.27E-09	1.49E-05	4.69E-09	1.99E-09
4008	477863.09, 3854377.25	1.43E-05	4.52E-09	1.92E-09	1.75E-05	5.54E-09	2.35E-09	1.54E-05	4.86E-09	2.06E-09
4009	478363.09, 3854377.25	1.72E-05	5.41E-09	2.30E-09	2.10E-05	6.63E-09	2.81E-09	1.84E-05	5.81E-09	2.47E-09
4010	478863.09, 3854377.25	1.91E-05	6.02E-09	2.56E-09	2.34E-05	7.38E-09	3.13E-09	2.05E-05	6.47E-09	2.74E-09
4011	479363.09, 3854377.25	3.10E-05	9.80E-09	4.16E-09	3.80E-05	1.20E-08	5.09E-09	3.33E-05	1.05E-08	4.46E-09
4012	479863.09, 3854377.25	4.24E-05	1.34E-08	5.67E-09	5.19E-05	1.64E-08	6.95E-09	4.55E-05	1.44E-08	6.09E-09
4013	480363.09, 3854377.25	6.31E-05	1.99E-08	8.46E-09	7.74E-05	2.44E-08	1.04E-08	6.78E-05	2.14E-08	9.08E-09
4014	480863.09, 3854377.25	1.01E-04	3.19E-08	1.35E-08	1.24E-04	3.90E-08	1.66E-08	1.08E-04	3.42E-08	1.45E-08
4015	481363.09, 3854377.25	1.46E-04	4.60E-08	1.95E-08	1.79E-04	5.64E-08	2.39E-08	1.57E-04	4.94E-08	2.10E-08
4016	481863.09, 3854377.25	1.95E-04	6.16E-08	2.61E-08	2.39E-04	7.54E-08	3.20E-08	2.10E-04	6.62E-08	2.81E-08
4017	482363.09, 3854377.25	2.76E-04	8.70E-08	3.69E-08	3.38E-04	1.07E-07	4.52E-08	2.96E-04	9.36E-08	3.97E-08
4018	482863.09, 3854377.25	5.76E-04	1.82E-07	7.72E-08	7.06E-04	2.23E-07	9.46E-08	6.21E-04	1.96E-07	8.31E-08
4019	483363.09, 3854377.25	1.67E-03	5.27E-07	2.24E-07	2.05E-03	6.46E-07	2.74E-07	1.80E-03	5.69E-07	2.41E-07
4020	483863.09, 3854377.25	8.48E-04	2.68E-07	1.14E-07	1.04E-03	3.28E-07	1.39E-07	9.13E-04	2.88E-07	1.22E-07
4021	484363.09, 3854377.25	5.06E-04	1.60E-07	6.77E-08	6.20E-04	1.96E-07	8.30E-08	5.44E-04	1.72E-07	7.29E-08
4022	484863.09, 3854377.25	3.18E-04	1.00E-07	4.26E-08	3.90E-04	1.23E-07	5.22E-08	3.42E-04	1.08E-07	4.58E-08
4023	485363.09, 3854377.25	4.21E-04	1.33E-07	5.63E-08	5.16E-04	1.63E-07	6.90E-08	4.51E-04	1.42E-07	6.05E-08
4024	485863.09, 3854377.25	3.37E-04	1.06E-07	4.51E-08	4.13E-04	1.30E-07	5.53E-08	3.61E-04	1.14E-07	4.83E-08
4025	486363.09, 3854377.25	3.53E-04	1.11E-07	4.72E-08	4.32E-04	1.36E-07	5.79E-08	3.78E-04	1.19E-07	5.06E-08
4026	486863.09, 3854377.25	3.17E-04	1.00E-07	4.25E-08	3.89E-04	1.23E-07	5.21E-08	3.40E-04	1.07E-07	4.55E-08
4027	487363.09, 3854377.25	3.17E-04	1.00E-07	4.25E-08	3.89E-04	1.23E-07	5.20E-08	3.40E-04	1.07E-07	4.55E-08
4028	487863.09, 3854377.25	3.26E-04	1.03E-07	4.37E-08	4.00E-04	1.26E-07	5.35E-08	3.50E-04	1.10E-07	4.68E-08

4029	488363.09, 3854377.25	3.20E-04	1.01E-07	4.28E-08	3.92E-04	1.24E-07	5.25E-08	3.43E-04	1.08E-07	4.60E-08
4030	488863.09, 3854377.25	3.10E-04	9.78E-08	4.15E-08	3.79E-04	1.20E-07	5.08E-08	3.32E-04	1.05E-07	4.45E-08
4031	489363.09, 3854377.25	2.96E-04	9.33E-08	3.96E-08	3.62E-04	1.14E-07	4.85E-08	3.17E-04	1.00E-07	4.25E-08
4032	489863.09, 3854377.25	2.79E-04	8.80E-08	3.74E-08	3.42E-04	1.08E-07	4.58E-08	3.00E-04	9.45E-08	4.01E-08
4033	490363.09, 3854377.25	2.61E-04	8.23E-08	3.49E-08	3.19E-04	1.01E-07	4.28E-08	2.80E-04	8.84E-08	3.75E-08
4034	490863.09, 3854377.25	2.13E-04	6.73E-08	2.86E-08	2.61E-04	8.25E-08	3.50E-08	2.29E-04	7.23E-08	3.07E-08
4035	491363.09, 3854377.25	2.24E-04	7.06E-08	3.00E-08	2.74E-04	8.65E-08	3.67E-08	2.40E-04	7.58E-08	3.22E-08
4036	491863.09, 3854377.25	2.27E-04	7.15E-08	3.03E-08	2.78E-04	8.76E-08	3.72E-08	2.43E-04	7.68E-08	3.26E-08
4037	492363.09, 3854377.25	2.20E-04	6.96E-08	2.95E-08	2.70E-04	8.52E-08	3.62E-08	2.37E-04	7.47E-08	3.17E-08
4038	492863.09, 3854377.25	2.09E-04	6.58E-08	2.79E-08	2.55E-04	8.06E-08	3.42E-08	2.24E-04	7.07E-08	3.00E-08
4039	493363.09, 3854377.25	1.94E-04	6.13E-08	2.60E-08	2.38E-04	7.51E-08	3.19E-08	2.09E-04	6.59E-08	2.79E-08
4040	493863.09, 3854377.25	1.80E-04	5.68E-08	2.41E-08	2.21E-04	6.96E-08	2.95E-08	1.93E-04	6.11E-08	2.59E-08
4041	494363.09, 3854377.25	1.67E-04	5.28E-08	2.24E-08	2.05E-04	6.46E-08	2.74E-08	1.80E-04	5.67E-08	2.40E-08
4042	494863.09, 3854377.25	1.37E-04	4.32E-08	1.83E-08	1.68E-04	5.30E-08	2.25E-08	1.47E-04	4.65E-08	1.97E-08
4043	495363.09, 3854377.25	1.08E-04	3.41E-08	1.45E-08	1.32E-04	4.18E-08	1.77E-08	1.16E-04	3.66E-08	1.55E-08
4044	495863.09, 3854377.25	8.98E-05	2.83E-08	1.20E-08	1.10E-04	3.47E-08	1.47E-08	9.64E-05	3.04E-08	1.29E-08
4045	496363.09, 3854377.25	8.09E-05	2.55E-08	1.08E-08	9.90E-05	3.13E-08	1.33E-08	8.68E-05	2.74E-08	1.16E-08
4046	496863.09, 3854377.25	7.01E-05	2.21E-08	9.39E-09	8.58E-05	2.71E-08	1.15E-08	7.53E-05	2.38E-08	1.01E-08
4047	497363.09, 3854377.25	5.51E-05	1.74E-08	7.38E-09	6.75E-05	2.13E-08	9.05E-09	5.92E-05	1.87E-08	7.93E-09
4048	497863.09, 3854377.25	5.60E-05	1.77E-08	7.50E-09	6.86E-05	2.16E-08	9.18E-09	6.01E-05	1.90E-08	8.05E-09
4049	498363.09, 3854377.25	4.81E-05	1.52E-08	6.44E-09	5.89E-05	1.86E-08	7.88E-09	5.16E-05	1.63E-08	6.91E-09
4050	471363.09, 3854877.25	1.66E-05	5.25E-09	2.23E-09	2.04E-05	6.43E-09	2.73E-09	1.78E-05	5.63E-09	2.39E-09
4051	471863.09, 3854877.25	1.79E-05	5.65E-09	2.40E-09	2.19E-05	6.92E-09	2.94E-09	1.92E-05	6.07E-09	2.57E-09
4052	472363.09, 3854877.25	1.91E-05	6.03E-09	2.56E-09	2.34E-05	7.39E-09	3.13E-09	2.05E-05	6.48E-09	2.75E-09
4053	472863.09, 3854877.25	1.98E-05	6.26E-09	2.66E-09	2.43E-05	7.67E-09	3.26E-09	2.13E-05	6.73E-09	2.85E-09
4054	473363.09, 3854877.25	2.17E-05	6.85E-09	2.91E-09	2.66E-05	8.39E-09	3.56E-09	2.33E-05	7.36E-09	3.12E-09
4055	473863.09, 3854877.25	2.36E-05	7.44E-09	3.16E-09	2.89E-05	9.11E-09	3.87E-09	2.53E-05	7.98E-09	3.39E-09
4056	474363.09, 3854877.25	2.60E-05	8.19E-09	3.48E-09	3.18E-05	1.00E-08	4.26E-09	2.79E-05	8.79E-09	3.73E-09
4057	474863.09, 3854877.25	2.32E-05	7.33E-09	3.11E-09	2.85E-05	8.98E-09	3.81E-09	2.49E-05	7.87E-09	3.34E-09
4058	475363.09, 3854877.25	1.87E-05	5.92E-09	2.51E-09	2.30E-05	7.25E-09	3.08E-09	2.01E-05	6.35E-09	2.70E-09
4059	475863.09, 3854877.25	1.41E-05	4.45E-09	1.89E-09	1.73E-05	5.45E-09	2.31E-09	1.51E-05	4.78E-09	2.03E-09
4060	476363.09, 3854877.25	9.02E-06	2.85E-09	1.21E-09	1.11E-05	3.49E-09	1.48E-09	9.69E-06	3.06E-09	1.30E-09
4061	476863.09, 3854877.25	9.02E-06	2.85E-09	1.21E-09	1.10E-05	3.49E-09	1.48E-09	9.69E-06	3.06E-09	1.30E-09
4062	477363.09, 3854877.25	1.11E-05	3.52E-09	1.49E-09	1.37E-05	4.31E-09	1.83E-09	1.20E-05	3.78E-09	1.60E-09
4063	477863.09, 3854877.25	1.33E-05	4.20E-09	1.78E-09	1.63E-05	5.15E-09	2.18E-09	1.43E-05	4.51E-09	1.91E-09
4064	478363.09, 3854877.25	1.85E-05	5.84E-09	2.48E-09	2.27E-05	7.15E-09	3.03E-09	1.99E-05	6.27E-09	2.66E-09
4065	478863.09, 3854877.25	2.76E-05	8.70E-09	3.69E-09	3.38E-05	1.07E-08	4.52E-09	2.96E-05	9.34E-09	3.96E-09
4066	479363.09, 3854877.25	4.16E-05	1.31E-08	5.57E-09	5.09E-05	1.61E-08	6.82E-09	4.46E-05	1.41E-08	5.98E-09
4067	479863.09, 3854877.25	6.10E-05	1.92E-08	8.17E-09	7.47E-05	2.36E-08	1.00E-08	6.55E-05	2.07E-08	8.77E-09
4068	480363.09, 3854877.25	8.16E-05	2.58E-08	1.09E-08	1.00E-04	3.16E-08	1.34E-08	8.77E-05	2.77E-08	1.17E-08
4069	480863.09, 3854877.25	1.17E-04	3.71E-08	1.57E-08	1.44E-04	4.54E-08	1.93E-08	1.26E-04	3.98E-08	1.69E-08
4070	481363.09, 3854877.25	1.52E-04	4.81E-08	2.04E-08	1.87E-04	5.90E-08	2.50E-08	1.64E-04	5.17E-08	2.19E-08
4071	481863.09, 3854877.25	1.80E-04	5.69E-08	2.41E-08	2.21E-04	6.97E-08	2.96E-08	1.93E-04	6.10E-08	2.59E-08
4072	482363.09, 3854877.25	2.64E-04	8.34E-08	3.54E-08	3.24E-04	1.02E-07	4.33E-08	2.84E-04	8.96E-08	3.80E-08
4073	482863.09, 3854877.25	3.96E-04	1.25E-07	5.31E-08	4.85E-04	1.53E-07	6.50E-08	4.25E-04	1.34E-07	5.70E-08
4074	483363.09, 3854877.25	6.76E-04	2.13E-07	9.06E-08	8.29E-04	2.62E-07	1.11E-07	7.26E-04	2.29E-07	9.72E-08
4075	483863.09, 3854877.25	2.25E-03	7.09E-07	3.01E-07	2.75E-03	8.69E-07	3.69E-07	2.40E-03	7.58E-07	3.22E-07
4076	484363.09, 3854877.25	8.75E-03	2.76E-06	1.17E-06	1.07E-02	3.38E-06	1.44E-06	9.35E-03	2.95E-06	1.25E-06
4077	484863.09, 3854877.25	3.58E-03	1.13E-06	4.79E-07	4.38E-03	1.38E-06	5.87E-07	3.82E-03	1.21E-06	5.12E-07
4078	485363.09, 3854877.25	1.74E-03	5.51E-07	2.34E-07	2.14E-03	6.75E-07	2.86E-07	1.86E-03	5.88E-07	2.50E-07
4079	485863.09, 3854877.25	1.12E-03	3.52E-07	1.49E-07	1.37E-03	4.31E-07	1.83E-07	1.19E-03	3.77E-07	1.60E-07
4080	486363.09, 3854877.25	8.08E-04	2.55E-07	1.08E-07	9.90E-04	3.13E-07	1.33E-07	8.66E-04	2.73E-07	1.16E-07
4081	486863.09, 3854877.25	6.46E-04	2.04E-07	8.65E-08	7.92E-04	2.50E-07	1.06E-07	6.93E-04	2.19E-07	9.28E-08
4082	487363.09, 3854877.25	5.88E-04	1.86E-07	7.88E-08	7.21E-04	2.28E-07	9.65E-08	6.31E-04	1.99E-07	8.45E-08
4083	487863.09, 3854877.25	5.41E-04	1.71E-07	7.25E-08	6.63E-04	2.09E-07	8.88E-08	5.81E-04	1.83E-07	7.78E-08
4084	488363.09, 3854877.25	5.02E-04	1.58E-07	6.72E-08	6.15E-04	1.94E-07	8.24E-08	5.39E-04	1.70E-07	7.22E-08
4085	488863.09, 3854877.25	4.71E-04	1.49E-07	6.30E-08	5.77E-04	1.82E-07	7.72E-08	5.06E-04	1.60E-07	6.77E-08
4086	489363.09, 3854877.25	4.33E-04	1.37E-07	5.79E-08	5.30E-04	1.67E-07	7.10E-08	4.65E-04	1.47E-07	6.23E-08
4087	489863.09, 3854877.25	3.86E-04	1.22E-07	5.18E-08	4.73E-04	1.49E-07	6.34E-08	4.15E-04	1.31E-07	5.56E-08
4088	490363.09, 3854877.25	2.94E-04	9.27E-08	3.93E-08	3.60E-04	1.14E-07	4.82E-08	3.16E-04	9.97E-08	4.23E-08
4089	490863.09, 3854877.25	2.06E-04	6.50E-08	2.76E-08	2.52E-04	7.96E-08	3.38E-08	2.21E-04	6.98E-08	2.96E-08
4090	491363.09, 3854877.25	2.16E-04	6.83E-08	2.90E-08	2.65E-04	8.36E-08	3.55E-08	2.32E-04	7.34E-08	3.11E-08
4091	491863.09, 3854877.25	2.87E-04	9.07E-08	3.85E-08	3.52E-04	1.11E-07	4.71E-08	3.09E-04	9.75E-08	4.14E-08
4092	492363.09, 3854877.25	2.74E-04	8.64E-08	3.67E-08	3.35E-04	1.06E-07	4.49E-08	2.94E-04	9.28E-08	3.94E-08

4093	492863.09, 3854877.25	2.53E-04	7.98E-08	3.38E-08	3.10E-04	9.77E-08	4.15E-08	2.72E-04	8.57E-08	3.64E-08
4094	493363.09, 3854877.25	2.30E-04	7.27E-08	3.09E-08	2.82E-04	8.91E-08	3.78E-08	2.48E-04	7.81E-08	3.31E-08
4095	493863.09, 3854877.25	2.12E-04	6.68E-08	2.83E-08	2.59E-04	8.18E-08	3.47E-08	2.27E-04	7.17E-08	3.04E-08
4096	494363.09, 3854877.25	1.65E-04	5.21E-08	2.21E-08	2.02E-04	6.39E-08	2.71E-08	1.77E-04	5.60E-08	2.38E-08
4097	494863.09, 3854877.25	1.20E-04	3.79E-08	1.61E-08	1.47E-04	4.64E-08	1.97E-08	1.29E-04	4.07E-08	1.73E-08
4098	495363.09, 3854877.25	9.44E-05	2.98E-08	1.26E-08	1.16E-04	3.65E-08	1.55E-08	1.01E-04	3.20E-08	1.36E-08
4099	495863.09, 3854877.25	8.05E-05	2.54E-08	1.08E-08	9.86E-05	3.11E-08	1.32E-08	8.65E-05	2.73E-08	1.16E-08
4100	496363.09, 3854877.25	6.42E-05	2.03E-08	8.60E-09	7.87E-05	2.48E-08	1.05E-08	6.90E-05	2.18E-08	9.24E-09
4101	496863.09, 3854877.25	5.48E-05	1.73E-08	7.33E-09	6.71E-05	2.12E-08	8.98E-09	5.88E-05	1.86E-08	7.88E-09
4102	497363.09, 3854877.25	5.13E-05	1.62E-08	6.87E-09	6.29E-05	1.98E-08	8.42E-09	5.51E-05	1.74E-08	7.38E-09
4103	497863.09, 3854877.25	5.51E-05	1.74E-08	7.38E-09	6.75E-05	2.13E-08	9.04E-09	5.92E-05	1.87E-08	7.93E-09
4104	498363.09, 3854877.25	5.27E-05	1.66E-08	7.06E-09	6.46E-05	2.04E-08	8.65E-09	5.66E-05	1.79E-08	7.58E-09
4105	471363.09, 3855377.25	1.66E-05	5.25E-09	2.23E-09	2.04E-05	6.43E-09	2.73E-09	1.79E-05	5.64E-09	2.39E-09
4106	471863.09, 3855377.25	1.75E-05	5.52E-09	2.34E-09	2.14E-05	6.76E-09	2.87E-09	1.88E-05	5.93E-09	2.52E-09
4107	472363.09, 3855377.25	1.89E-05	5.98E-09	2.54E-09	2.32E-05	7.32E-09	3.11E-09	2.04E-05	6.42E-09	2.73E-09
4108	472863.09, 3855377.25	1.99E-05	6.29E-09	2.67E-09	2.44E-05	7.70E-09	3.27E-09	2.14E-05	6.76E-09	2.87E-09
4109	473363.09, 3855377.25	2.19E-05	6.91E-09	2.93E-09	2.68E-05	8.47E-09	3.59E-09	2.35E-05	7.43E-09	3.15E-09
4110	473863.09, 3855377.25	2.38E-05	7.50E-09	3.18E-09	2.91E-05	9.18E-09	3.90E-09	2.55E-05	8.05E-09	3.42E-09
4111	474363.09, 3855377.25	2.56E-05	8.09E-09	3.43E-09	3.14E-05	9.90E-09	4.20E-09	2.75E-05	8.69E-09	3.69E-09
4112	474863.09, 3855377.25	2.33E-05	7.35E-09	3.12E-09	2.85E-05	9.01E-09	3.82E-09	2.50E-05	7.90E-09	3.35E-09
4113	475363.09, 3855377.25	1.19E-05	3.76E-09	1.60E-09	1.46E-05	4.61E-09	1.95E-09	1.28E-05	4.04E-09	1.71E-09
4114	475863.09, 3855377.25	8.94E-06	2.82E-09	1.20E-09	1.10E-05	3.46E-09	1.47E-09	9.60E-06	3.03E-09	1.29E-09
4115	476363.09, 3855377.25	1.07E-05	3.38E-09	1.44E-09	1.31E-05	4.14E-09	1.76E-09	1.15E-05	3.63E-09	1.54E-09
4116	476863.09, 3855377.25	1.05E-05	3.33E-09	1.41E-09	1.29E-05	4.08E-09	1.73E-09	1.13E-05	3.57E-09	1.52E-09
4117	477363.09, 3855377.25	1.19E-05	3.76E-09	1.60E-09	1.46E-05	4.61E-09	1.95E-09	1.28E-05	4.04E-09	1.71E-09
4118	477863.09, 3855377.25	1.60E-05	5.06E-09	2.15E-09	1.96E-05	6.20E-09	2.63E-09	1.72E-05	5.44E-09	2.31E-09
4119	478363.09, 3855377.25	2.14E-05	6.77E-09	2.87E-09	2.63E-05	8.29E-09	3.52E-09	2.30E-05	7.27E-09	3.08E-09
4120	478863.09, 3855377.25	2.81E-05	8.86E-09	3.76E-09	3.44E-05	1.09E-08	4.61E-09	3.02E-05	9.52E-09	4.04E-09
4121	479363.09, 3855377.25	3.98E-05	1.26E-08	5.33E-09	4.88E-05	1.54E-08	6.53E-09	4.28E-05	1.35E-08	5.73E-09
4122	479863.09, 3855377.25	5.41E-05	1.71E-08	7.25E-09	6.63E-05	2.09E-08	8.88E-09	5.81E-05	1.84E-08	7.79E-09
4123	480363.09, 3855377.25	8.37E-05	2.64E-08	1.12E-08	1.02E-04	3.23E-08	1.37E-08	8.99E-05	2.84E-08	1.20E-08
4124	480863.09, 3855377.25	1.24E-04	3.91E-08	1.66E-08	1.52E-04	4.78E-08	2.03E-08	1.33E-04	4.19E-08	1.78E-08
4125	481363.09, 3855377.25	1.65E-04	5.22E-08	2.21E-08	2.03E-04	6.39E-08	2.71E-08	1.78E-04	5.60E-08	2.38E-08
4126	481863.09, 3855377.25	2.04E-04	6.43E-08	2.73E-08	2.50E-04	7.88E-08	3.34E-08	2.19E-04	6.91E-08	2.93E-08
4127	482363.09, 3855377.25	2.46E-04	7.78E-08	3.30E-08	3.02E-04	9.53E-08	4.04E-08	2.65E-04	8.35E-08	3.54E-08
4128	482863.09, 3855377.25	3.33E-04	1.05E-07	4.46E-08	4.08E-04	1.29E-07	5.46E-08	3.58E-04	1.13E-07	4.79E-08
4129	483363.09, 3855377.25	4.77E-04	1.51E-07	6.39E-08	5.84E-04	1.84E-07	7.83E-08	5.11E-04	1.61E-07	6.85E-08
4130	483863.09, 3855377.25	8.05E-04	2.54E-07	1.08E-07	9.86E-04	3.11E-07	1.32E-07	8.61E-04	2.72E-07	1.15E-07
4131	484363.09, 3855377.25	1.97E-03	6.22E-07	2.64E-07	2.41E-03	7.62E-07	3.23E-07	2.11E-03	6.66E-07	2.83E-07
4132	484863.09, 3855377.25	6.24E-03	1.97E-06	8.36E-07	7.64E-03	2.41E-06	1.02E-06	6.72E-03	2.12E-06	8.99E-07
4133	485363.09, 3855377.25	4.94E-03	1.56E-06	6.61E-07	6.05E-03	1.91E-06	8.10E-07	5.32E-03	1.68E-06	7.12E-07
4134	485863.09, 3855377.25	2.37E-03	7.48E-07	3.17E-07	2.90E-03	9.16E-07	3.89E-07	2.55E-03	8.05E-07	3.41E-07
4135	486363.09, 3855377.25	1.50E-03	4.73E-07	2.01E-07	1.84E-03	5.80E-07	2.46E-07	1.61E-03	5.09E-07	2.16E-07
4136	486863.09, 3855377.25	1.08E-03	3.39E-07	1.44E-07	1.32E-03	4.16E-07	1.76E-07	1.16E-03	3.65E-07	1.55E-07
4137	487363.09, 3855377.25	9.28E-04	2.93E-07	1.24E-07	1.14E-03	3.59E-07	1.52E-07	9.98E-04	3.15E-07	1.34E-07
4138	487863.09, 3855377.25	8.13E-04	2.57E-07	1.09E-07	9.96E-04	3.14E-07	1.33E-07	8.75E-04	2.76E-07	1.17E-07
4139	488363.09, 3855377.25	7.22E-04	2.28E-07	9.66E-08	8.84E-04	2.79E-07	1.18E-07	7.76E-04	2.45E-07	1.04E-07
4140	488863.09, 3855377.25	6.45E-04	2.03E-07	8.63E-08	7.89E-04	2.49E-07	1.06E-07	6.93E-04	2.19E-07	9.28E-08
4141	489363.09, 3855377.25	5.76E-04	1.82E-07	7.71E-08	7.05E-04	2.22E-07	9.44E-08	6.19E-04	1.95E-07	8.29E-08
4142	489863.09, 3855377.25	5.11E-04	1.61E-07	6.84E-08	6.26E-04	1.97E-07	8.38E-08	5.49E-04	1.73E-07	7.36E-08
4143	490363.09, 3855377.25	4.67E-04	1.48E-07	6.26E-08	5.73E-04	1.81E-07	7.67E-08	5.03E-04	1.59E-07	6.73E-08
4144	490863.09, 3855377.25	3.19E-04	1.01E-07	4.28E-08	3.91E-04	1.23E-07	5.24E-08	3.43E-04	1.08E-07	4.60E-08
4145	491363.09, 3855377.25	2.64E-04	8.34E-08	3.54E-08	3.24E-04	1.02E-07	4.33E-08	2.84E-04	8.96E-08	3.80E-08
4146	491863.09, 3855377.25	3.45E-04	1.09E-07	4.62E-08	4.23E-04	1.33E-07	5.66E-08	3.71E-04	1.17E-07	4.97E-08
4147	492363.09, 3855377.25	3.21E-04	1.01E-07	4.30E-08	3.93E-04	1.24E-07	5.26E-08	3.45E-04	1.09E-07	4.62E-08
4148	492863.09, 3855377.25	2.92E-04	9.21E-08	3.91E-08	3.57E-04	1.13E-07	4.79E-08	3.14E-04	9.89E-08	4.20E-08
4149	493363.09, 3855377.25	2.55E-04	8.05E-08	3.42E-08	3.12E-04	9.86E-08	4.18E-08	2.74E-04	8.65E-08	3.67E-08
4150	493863.09, 3855377.25	1.99E-04	6.29E-08	2.67E-08	2.44E-04	7.71E-08	3.27E-08	2.14E-04	6.76E-08	2.87E-08
4151	494363.09, 3855377.25	1.46E-04	4.59E-08	1.95E-08	1.78E-04	5.63E-08	2.39E-08	1.56E-04	4.93E-08	2.09E-08
4152	494863.09, 3855377.25	1.04E-04	3.30E-08	1.40E-08	1.28E-04	4.04E-08	1.71E-08	1.12E-04	3.54E-08	1.50E-08
4153	495363.09, 3855377.25	7.97E-05	2.52E-08	1.07E-08	9.76E-05	3.08E-08	1.31E-08	8.56E-05	2.70E-08	1.15E-08
4154	495863.09, 3855377.25	6.45E-05	2.04E-08	8.64E-09	7.90E-05	2.49E-08	1.06E-08	6.93E-05	2.19E-08	9.27E-09
4155	496363.09, 3855377.25	6.01E-05	1.90E-08	8.04E-09	7.36E-05	2.32E-08	9.85E-09	6.45E-05	2.04E-08	8.64E-09
4156	496863.09, 3855377.25	5.67E-05	1.79E-08	7.60E-09	6.95E-05	2.19E-08	9.31E-09	6.09E-05	1.92E-08	8.16E-09

4157	497363.09, 3855377.25	5.58E-05	1.76E-08	7.47E-09	6.84E-05	2.16E-08	9.15E-09	5.99E-05	1.89E-08	8.02E-09
4158	497863.09, 3855377.25	5.72E-05	1.80E-08	7.65E-09	7.00E-05	2.21E-08	9.37E-09	6.14E-05	1.94E-08	8.22E-09
4159	498363.09, 3855377.25	5.94E-05	1.87E-08	7.95E-09	7.27E-05	2.29E-08	9.74E-09	6.37E-05	2.01E-08	8.54E-09
4160	471363.09, 3855877.25	1.70E-05	5.38E-09	2.28E-09	2.09E-05	6.59E-09	2.79E-09	1.83E-05	5.78E-09	2.45E-09
4161	471863.09, 3855877.25	1.80E-05	5.67E-09	2.41E-09	2.20E-05	6.95E-09	2.95E-09	1.93E-05	6.09E-09	2.58E-09
4162	472363.09, 3855877.25	1.97E-05	6.22E-09	2.64E-09	2.41E-05	7.62E-09	3.23E-09	2.12E-05	6.68E-09	2.83E-09
4163	472863.09, 3855877.25	2.05E-05	6.47E-09	2.75E-09	2.51E-05	7.93E-09	3.36E-09	2.20E-05	6.95E-09	2.95E-09
4164	473363.09, 3855877.25	2.28E-05	7.21E-09	3.06E-09	2.80E-05	8.83E-09	3.75E-09	2.45E-05	7.74E-09	3.28E-09
4165	473863.09, 3855877.25	2.49E-05	7.85E-09	3.33E-09	3.05E-05	9.61E-09	4.08E-09	2.67E-05	8.43E-09	3.58E-09
4166	474363.09, 3855877.25	2.66E-05	8.39E-09	3.56E-09	3.26E-05	1.03E-08	4.36E-09	2.85E-05	9.01E-09	3.82E-09
4167	474863.09, 3855877.25	2.30E-05	7.24E-09	3.07E-09	2.81E-05	8.87E-09	3.76E-09	2.46E-05	7.78E-09	3.30E-09
4168	475363.09, 3855877.25	1.51E-05	4.78E-09	2.03E-09	1.85E-05	5.85E-09	2.48E-09	1.63E-05	5.13E-09	2.18E-09
4169	475863.09, 3855877.25	6.58E-06	2.08E-09	8.81E-10	8.05E-06	2.54E-09	1.08E-09	7.06E-06	2.23E-09	9.46E-10
4170	476363.09, 3855877.25	7.11E-06	2.24E-09	9.52E-10	8.71E-06	2.75E-09	1.17E-09	7.63E-06	2.41E-09	1.02E-09
4171	476863.09, 3855877.25	1.09E-05	3.45E-09	1.46E-09	1.34E-05	4.22E-09	1.79E-09	1.17E-05	3.70E-09	1.57E-09
4172	477363.09, 3855877.25	1.36E-05	4.28E-09	1.82E-09	1.66E-05	5.25E-09	2.23E-09	1.46E-05	4.60E-09	1.95E-09
4173	477863.09, 3855877.25	1.71E-05	5.40E-09	2.29E-09	2.10E-05	6.62E-09	2.81E-09	1.84E-05	5.80E-09	2.46E-09
4174	478363.09, 3855877.25	2.26E-05	7.13E-09	3.03E-09	2.77E-05	8.74E-09	3.71E-09	2.43E-05	7.66E-09	3.25E-09
4175	478863.09, 3855877.25	3.10E-05	9.77E-09	4.15E-09	3.79E-05	1.20E-08	5.08E-09	3.33E-05	1.05E-08	4.45E-09
4176	479363.09, 3855877.25	4.42E-05	1.40E-08	5.92E-09	5.42E-05	1.71E-08	7.26E-09	4.75E-05	1.50E-08	6.36E-09
4177	479863.09, 3855877.25	6.04E-05	1.91E-08	8.09E-09	7.40E-05	2.34E-08	9.91E-09	6.49E-05	2.05E-08	8.69E-09
4178	480363.09, 3855877.25	8.56E-05	2.70E-08	1.15E-08	1.05E-04	3.31E-08	1.40E-08	9.19E-05	2.90E-08	1.23E-08
4179	480863.09, 3855877.25	1.20E-04	3.79E-08	1.61E-08	1.47E-04	4.64E-08	1.97E-08	1.29E-04	4.07E-08	1.73E-08
4180	481363.09, 3855877.25	1.43E-04	4.52E-08	1.92E-08	1.76E-04	5.54E-08	2.35E-08	1.54E-04	4.86E-08	2.06E-08
4181	481863.09, 3855877.25	1.99E-04	6.27E-08	2.66E-08	2.43E-04	7.67E-08	3.26E-08	2.13E-04	6.73E-08	2.85E-08
4182	482363.09, 3855877.25	2.28E-04	7.21E-08	3.06E-08	2.80E-04	8.83E-08	3.75E-08	2.45E-04	7.74E-08	3.28E-08
4183	482863.09, 3855877.25	2.89E-04	9.12E-08	3.87E-08	3.54E-04	1.12E-07	4.74E-08	3.10E-04	9.79E-08	4.16E-08
4184	483363.09, 3855877.25	3.78E-04	1.19E-07	5.06E-08	4.63E-04	1.46E-07	6.20E-08	4.06E-04	1.28E-07	5.43E-08
4185	483863.09, 3855877.25	5.24E-04	1.65E-07	7.02E-08	6.42E-04	2.03E-07	8.59E-08	5.63E-04	1.78E-07	7.53E-08
4186	484363.09, 3855877.25	8.14E-04	2.57E-07	1.09E-07	9.97E-04	3.15E-07	1.33E-07	8.75E-04	2.76E-07	1.17E-07
4187	484863.09, 3855877.25	1.66E-03	5.23E-07	2.22E-07	2.03E-03	6.40E-07	2.72E-07	1.78E-03	5.63E-07	2.39E-07
4188	485363.09, 3855877.25	7.07E-03	2.23E-06	9.47E-07	8.66E-03	2.73E-06	1.16E-06	7.64E-03	2.41E-06	1.02E-06
4189	485863.09, 3855877.25	6.24E-03	1.97E-06	8.35E-07	7.64E-03	2.41E-06	1.02E-06	6.73E-03	2.12E-06	9.01E-07
4190	486363.09, 3855877.25	2.54E-03	8.00E-07	3.40E-07	3.11E-03	9.80E-07	4.16E-07	2.73E-03	8.63E-07	3.66E-07
4191	486863.09, 3855877.25	1.69E-03	5.35E-07	2.27E-07	2.08E-03	6.55E-07	2.78E-07	1.83E-03	5.76E-07	2.45E-07
4192	487363.09, 3855877.25	1.37E-03	4.33E-07	1.84E-07	1.68E-03	5.31E-07	2.25E-07	1.48E-03	4.67E-07	1.98E-07
4193	487863.09, 3855877.25	1.14E-03	3.61E-07	1.53E-07	1.40E-03	4.42E-07	1.88E-07	1.23E-03	3.89E-07	1.65E-07
4194	488363.09, 3855877.25	9.66E-04	3.05E-07	1.29E-07	1.18E-03	3.73E-07	1.58E-07	1.04E-03	3.28E-07	1.39E-07
4195	488863.09, 3855877.25	8.29E-04	2.62E-07	1.11E-07	1.02E-03	3.21E-07	1.36E-07	8.93E-04	2.82E-07	1.20E-07
4196	489363.09, 3855877.25	7.20E-04	2.27E-07	9.65E-08	8.82E-04	2.78E-07	1.18E-07	7.75E-04	2.45E-07	1.04E-07
4197	489863.09, 3855877.25	6.32E-04	1.99E-07	8.46E-08	7.74E-04	2.44E-07	1.04E-07	6.80E-04	2.14E-07	9.10E-08
4198	490363.09, 3855877.25	5.60E-04	1.77E-07	7.50E-08	6.86E-04	2.17E-07	9.19E-08	6.02E-04	1.90E-07	8.06E-08
4199	490863.09, 3855877.25	4.97E-04	1.57E-07	6.65E-08	6.08E-04	1.92E-07	8.15E-08	5.34E-04	1.68E-07	7.15E-08
4200	491363.09, 3855877.25	4.24E-04	1.34E-07	5.67E-08	5.19E-04	1.64E-07	6.95E-08	4.55E-04	1.44E-07	6.10E-08
4201	491863.09, 3855877.25	4.01E-04	1.26E-07	5.37E-08	4.91E-04	1.55E-07	6.57E-08	4.30E-04	1.36E-07	5.76E-08
4202	492363.09, 3855877.25	3.58E-04	1.13E-07	4.79E-08	4.38E-04	1.38E-07	5.87E-08	3.84E-04	1.21E-07	5.14E-08
4203	492863.09, 3855877.25	3.21E-04	1.01E-07	4.29E-08	3.93E-04	1.24E-07	5.26E-08	3.44E-04	1.09E-07	4.61E-08
4204	493363.09, 3855877.25	2.53E-04	7.97E-08	3.38E-08	3.09E-04	9.77E-08	4.14E-08	2.71E-04	8.56E-08	3.63E-08
4205	493863.09, 3855877.25	1.78E-04	5.60E-08	2.38E-08	2.18E-04	6.86E-08	2.91E-08	1.91E-04	6.02E-08	2.55E-08
4206	494363.09, 3855877.25	1.23E-04	3.87E-08	1.64E-08	1.50E-04	4.74E-08	2.01E-08	1.32E-04	4.15E-08	1.76E-08
4207	494863.09, 3855877.25	9.06E-05	2.86E-08	1.21E-08	1.11E-04	3.50E-08	1.49E-08	9.73E-05	3.07E-08	1.30E-08
4208	495363.09, 3855877.25	6.41E-05	2.02E-08	8.59E-09	7.85E-05	2.48E-08	1.05E-08	6.89E-05	2.17E-08	9.22E-09
4209	495863.09, 3855877.25	6.03E-05	1.90E-08	8.08E-09	7.39E-05	2.33E-08	9.90E-09	6.48E-05	2.04E-08	8.68E-09
4210	496363.09, 3855877.25	5.79E-05	1.83E-08	7.75E-09	7.09E-05	2.24E-08	9.49E-09	6.21E-05	1.96E-08	8.32E-09
4211	496863.09, 3855877.25	5.82E-05	1.84E-08	7.79E-09	7.12E-05	2.25E-08	9.54E-09	6.24E-05	1.97E-08	8.36E-09
4212	497363.09, 3855877.25	5.90E-05	1.86E-08	7.90E-09	7.22E-05	2.28E-08	9.67E-09	6.33E-05	2.00E-08	8.48E-09
4213	497863.09, 3855877.25	6.11E-05	1.93E-08	8.18E-09	7.48E-05	2.36E-08	1.00E-08	6.56E-05	2.07E-08	8.78E-09
4214	498363.09, 3855877.25	6.80E-05	2.15E-08	9.10E-09	8.32E-05	2.63E-08	1.11E-08	7.30E-05	2.30E-08	9.77E-09
4215	471363.09, 3856377.25	1.77E-05	5.58E-09	2.37E-09	2.17E-05	6.84E-09	2.90E-09	1.90E-05	5.99E-09	2.54E-09
4216	471863.09, 3856377.25	1.86E-05	5.86E-09	2.48E-09	2.27E-05	7.17E-09	3.04E-09	1.99E-05	6.29E-09	2.67E-09
4217	472363.09, 3856377.25	2.00E-05	6.30E-09	2.67E-09	2.44E-05	7.71E-09	3.27E-09	2.14E-05	6.76E-09	2.87E-09
4218	472863.09, 3856377.25	2.17E-05	6.84E-09	2.90E-09	2.65E-05	8.38E-09	3.55E-09	2.33E-05	7.34E-09	3.12E-09
4219	473363.09, 3856377.25	2.33E-05	7.35E-09	3.12E-09	2.85E-05	9.00E-09	3.82E-09	2.50E-05	7.89E-09	3.35E-09
4220	473863.09, 3856377.25	2.58E-05	8.14E-09	3.45E-09	3.16E-05	9.97E-09	4.23E-09	2.77E-05	8.74E-09	3.71E-09

4221	474363.09, 3856377.25	2.63E-05	8.30E-09	3.52E-09	3.22E-05	1.02E-08	4.31E-09	2.82E-05	8.91E-09	3.78E-09
4222	474863.09, 3856377.25	2.59E-05	8.16E-09	3.46E-09	3.17E-05	1.00E-08	4.24E-09	2.78E-05	8.77E-09	3.72E-09
4223	475363.09, 3856377.25	2.18E-05	6.88E-09	2.92E-09	2.67E-05	8.43E-09	3.58E-09	2.34E-05	7.39E-09	3.14E-09
4224	475863.09, 3856377.25	1.51E-05	4.76E-09	2.02E-09	1.85E-05	5.83E-09	2.48E-09	1.62E-05	5.12E-09	2.17E-09
4225	476363.09, 3856377.25	1.42E-05	4.48E-09	1.90E-09	1.74E-05	5.48E-09	2.33E-09	1.52E-05	4.81E-09	2.04E-09
4226	476863.09, 3856377.25	1.46E-05	4.62E-09	1.96E-09	1.79E-05	5.66E-09	2.40E-09	1.57E-05	4.96E-09	2.10E-09
4227	477363.09, 3856377.25	1.59E-05	5.03E-09	2.13E-09	1.95E-05	6.16E-09	2.61E-09	1.71E-05	5.40E-09	2.29E-09
4228	477863.09, 3856377.25	1.28E-05	4.05E-09	1.72E-09	1.57E-05	4.96E-09	2.11E-09	1.38E-05	4.35E-09	1.85E-09
4229	478363.09, 3856377.25	1.16E-05	3.66E-09	1.55E-09	1.42E-05	4.48E-09	1.90E-09	1.25E-05	3.93E-09	1.67E-09
4230	478863.09, 3856377.25	2.43E-05	7.67E-09	3.25E-09	2.98E-05	9.39E-09	3.98E-09	2.61E-05	8.24E-09	3.49E-09
4231	479363.09, 3856377.25	3.34E-05	1.05E-08	4.47E-09	4.09E-05	1.29E-08	5.48E-09	3.59E-05	1.13E-08	4.80E-09
4232	479863.09, 3856377.25	5.96E-05	1.88E-08	7.99E-09	7.31E-05	2.31E-08	9.78E-09	6.41E-05	2.02E-08	8.58E-09
4233	480363.09, 3856377.25	9.08E-05	2.86E-08	1.22E-08	1.11E-04	3.51E-08	1.49E-08	9.74E-05	3.07E-08	1.30E-08
4234	480863.09, 3856377.25	1.20E-04	3.77E-08	1.60E-08	1.46E-04	4.62E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
4235	481363.09, 3856377.25	1.52E-04	4.81E-08	2.04E-08	1.87E-04	5.89E-08	2.50E-08	1.63E-04	5.16E-08	2.19E-08
4236	481863.09, 3856377.25	1.82E-04	5.74E-08	2.43E-08	2.23E-04	7.03E-08	2.98E-08	1.95E-04	6.16E-08	2.61E-08
4237	482363.09, 3856377.25	2.04E-04	6.44E-08	2.73E-08	2.50E-04	7.89E-08	3.35E-08	2.19E-04	6.92E-08	2.94E-08
4238	482863.09, 3856377.25	2.49E-04	7.87E-08	3.34E-08	3.06E-04	9.64E-08	4.09E-08	2.68E-04	8.46E-08	3.59E-08
4239	483363.09, 3856377.25	3.12E-04	9.84E-08	4.18E-08	3.82E-04	1.21E-07	5.11E-08	3.35E-04	1.06E-07	4.49E-08
4240	483863.09, 3856377.25	4.01E-04	1.26E-07	5.36E-08	4.91E-04	1.55E-07	6.57E-08	4.31E-04	1.36E-07	5.77E-08
4241	484363.09, 3856377.25	5.25E-04	1.66E-07	7.02E-08	6.42E-04	2.03E-07	8.60E-08	5.64E-04	1.78E-07	7.56E-08
4242	484863.09, 3856377.25	7.54E-04	2.38E-07	1.01E-07	9.23E-04	2.91E-07	1.24E-07	8.12E-04	2.56E-07	1.09E-07
4243	485363.09, 3856377.25	1.38E-03	4.37E-07	1.85E-07	1.69E-03	5.35E-07	2.27E-07	1.49E-03	4.71E-07	2.00E-07
4244	485863.09, 3856377.25	5.25E-03	1.66E-06	7.03E-07	6.43E-03	2.03E-06	8.61E-07	5.67E-03	1.79E-06	7.59E-07
4245	486363.09, 3856377.25	6.64E-03	2.10E-06	8.90E-07	8.14E-03	2.57E-06	1.09E-06	7.17E-03	2.26E-06	9.60E-07
4246	486863.09, 3856377.25	3.07E-03	9.70E-07	4.12E-07	3.77E-03	1.19E-06	5.04E-07	3.32E-03	1.05E-06	4.44E-07
4247	487363.09, 3856377.25	2.04E-03	6.45E-07	2.74E-07	2.50E-03	7.90E-07	3.35E-07	2.20E-03	6.96E-07	2.95E-07
4248	487863.09, 3856377.25	1.54E-03	4.85E-07	2.06E-07	1.88E-03	5.93E-07	2.52E-07	1.65E-03	5.22E-07	2.22E-07
4249	488363.09, 3856377.25	1.22E-03	3.84E-07	1.63E-07	1.49E-03	4.70E-07	2.00E-07	1.31E-03	4.14E-07	1.75E-07
4250	488863.09, 3856377.25	1.00E-03	3.16E-07	1.34E-07	1.22E-03	3.86E-07	1.64E-07	1.08E-03	3.39E-07	1.44E-07
4251	489363.09, 3856377.25	8.42E-04	2.66E-07	1.13E-07	1.03E-03	3.25E-07	1.38E-07	9.05E-04	2.86E-07	1.21E-07
4252	489863.09, 3856377.25	7.22E-04	2.28E-07	9.67E-08	8.85E-04	2.79E-07	1.18E-07	7.76E-04	2.45E-07	1.04E-07
4253	490363.09, 3856377.25	6.27E-04	1.98E-07	8.40E-08	7.68E-04	2.42E-07	1.03E-07	6.73E-04	2.13E-07	9.02E-08
4254	490863.09, 3856377.25	5.51E-04	1.74E-07	7.37E-08	6.74E-04	2.13E-07	9.03E-08	5.91E-04	1.87E-07	7.91E-08
4255	491363.09, 3856377.25	4.87E-04	1.54E-07	6.52E-08	5.97E-04	1.88E-07	7.99E-08	5.23E-04	1.65E-07	7.00E-08
4256	491863.09, 3856377.25	4.33E-04	1.37E-07	5.79E-08	5.30E-04	1.67E-07	7.10E-08	4.64E-04	1.47E-07	6.22E-08
4257	492363.09, 3856377.25	3.81E-04	1.20E-07	5.10E-08	4.66E-04	1.47E-07	6.25E-08	4.09E-04	1.29E-07	5.47E-08
4258	492863.09, 3856377.25	3.14E-04	9.91E-08	4.21E-08	3.85E-04	1.21E-07	5.15E-08	3.37E-04	1.06E-07	4.51E-08
4259	493363.09, 3856377.25	2.03E-04	6.40E-08	2.72E-08	2.48E-04	7.84E-08	3.33E-08	2.18E-04	6.87E-08	2.92E-08
4260	493863.09, 3856377.25	1.53E-04	4.83E-08	2.05E-08	1.87E-04	5.91E-08	2.51E-08	1.64E-04	5.18E-08	2.20E-08
4261	494363.09, 3856377.25	1.08E-04	3.41E-08	1.45E-08	1.32E-04	4.18E-08	1.77E-08	1.16E-04	3.66E-08	1.55E-08
4262	494863.09, 3856377.25	7.92E-05	2.50E-08	1.06E-08	9.70E-05	3.06E-08	1.30E-08	8.50E-05	2.68E-08	1.14E-08
4263	495363.09, 3856377.25	6.31E-05	1.99E-08	8.45E-09	7.73E-05	2.44E-08	1.04E-08	6.78E-05	2.14E-08	9.07E-09
4264	495863.09, 3856377.25	5.90E-05	1.86E-08	7.90E-09	7.22E-05	2.28E-08	9.67E-09	6.33E-05	2.00E-08	8.48E-09
4265	496363.09, 3856377.25	5.77E-05	1.82E-08	7.73E-09	7.07E-05	2.23E-08	9.47E-09	6.20E-05	1.96E-08	8.30E-09
4266	496863.09, 3856377.25	6.06E-05	1.91E-08	8.12E-09	7.42E-05	2.34E-08	9.94E-09	6.51E-05	2.05E-08	8.71E-09
4267	497363.09, 3856377.25	6.29E-05	1.99E-08	8.42E-09	7.70E-05	2.43E-08	1.03E-08	6.75E-05	2.13E-08	9.04E-09
4268	497863.09, 3856377.25	6.77E-05	2.14E-08	9.06E-09	8.29E-05	2.62E-08	1.11E-08	7.27E-05	2.29E-08	9.73E-09
4269	498363.09, 3856377.25	7.43E-05	2.35E-08	9.95E-09	9.10E-05	2.87E-08	1.22E-08	7.98E-05	2.52E-08	1.07E-08
4270	471363.09, 3856877.25	1.81E-05	5.72E-09	2.43E-09	2.22E-05	7.00E-09	2.97E-09	1.94E-05	6.14E-09	2.60E-09
4271	471863.09, 3856877.25	1.88E-05	5.94E-09	2.52E-09	2.30E-05	7.27E-09	3.09E-09	2.02E-05	6.37E-09	2.70E-09
4272	472363.09, 3856877.25	2.01E-05	6.36E-09	2.70E-09	2.47E-05	7.79E-09	3.30E-09	2.16E-05	6.83E-09	2.90E-09
4273	472863.09, 3856877.25	2.16E-05	6.81E-09	2.89E-09	2.64E-05	8.34E-09	3.54E-09	2.32E-05	7.31E-09	3.10E-09
4274	473363.09, 3856877.25	2.39E-05	7.55E-09	3.20E-09	2.93E-05	9.25E-09	3.92E-09	2.57E-05	8.11E-09	3.44E-09
4275	473863.09, 3856877.25	2.56E-05	8.09E-09	3.43E-09	3.14E-05	9.92E-09	4.21E-09	2.75E-05	8.69E-09	3.69E-09
4276	474363.09, 3856877.25	2.59E-05	8.18E-09	3.47E-09	3.18E-05	1.00E-08	4.25E-09	2.78E-05	8.78E-09	3.73E-09
4277	474863.09, 3856877.25	2.52E-05	7.96E-09	3.38E-09	3.09E-05	9.75E-09	4.14E-09	2.71E-05	8.55E-09	3.63E-09
4278	475363.09, 3856877.25	2.23E-05	7.05E-09	2.99E-09	2.74E-05	8.64E-09	3.66E-09	2.40E-05	7.57E-09	3.21E-09
4279	475863.09, 3856877.25	2.27E-05	7.18E-09	3.05E-09	2.79E-05	8.79E-09	3.73E-09	2.44E-05	7.71E-09	3.27E-09
4280	476363.09, 3856877.25	2.01E-05	6.33E-09	2.69E-09	2.46E-05	7.76E-09	3.29E-09	2.15E-05	6.80E-09	2.89E-09
4281	476863.09, 3856877.25	1.95E-05	6.16E-09	2.62E-09	2.39E-05	7.55E-09	3.20E-09	2.10E-05	6.62E-09	2.81E-09
4282	477363.09, 3856877.25	1.74E-05	5.48E-09	2.33E-09	2.13E-05	6.71E-09	2.85E-09	1.86E-05	5.89E-09	2.50E-09
4283	477863.09, 3856877.25	1.17E-05	3.70E-09	1.57E-09	1.44E-05	4.53E-09	1.92E-09	1.26E-05	3.97E-09	1.69E-09
4284	478363.09, 3856877.25	1.04E-05	3.29E-09	1.40E-09	1.28E-05	4.03E-09	1.71E-09	1.12E-05	3.54E-09	1.50E-09

4285	478863.09, 3856877.25	1.36E-05	4.31E-09	1.83E-09	1.67E-05	5.27E-09	2.24E-09	1.47E-05	4.62E-09	1.96E-09
4286	479363.09, 3856877.25	1.90E-05	6.00E-09	2.55E-09	2.33E-05	7.35E-09	3.12E-09	2.04E-05	6.45E-09	2.73E-09
4287	479863.09, 3856877.25	5.44E-05	1.72E-08	7.29E-09	6.67E-05	2.10E-08	8.93E-09	5.85E-05	1.85E-08	7.83E-09
4288	480363.09, 3856877.25	8.81E-05	2.78E-08	1.18E-08	1.08E-04	3.41E-08	1.45E-08	9.46E-05	2.99E-08	1.27E-08
4289	480863.09, 3856877.25	1.16E-04	3.67E-08	1.56E-08	1.42E-04	4.49E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
4290	481363.09, 3856877.25	1.40E-04	4.43E-08	1.88E-08	1.72E-04	5.43E-08	2.30E-08	1.51E-04	4.76E-08	2.02E-08
4291	481863.09, 3856877.25	1.65E-04	5.19E-08	2.20E-08	2.02E-04	6.36E-08	2.70E-08	1.77E-04	5.58E-08	2.37E-08
4292	482363.09, 3856877.25	1.83E-04	5.79E-08	2.46E-08	2.25E-04	7.09E-08	3.01E-08	1.97E-04	6.22E-08	2.64E-08
4293	482863.09, 3856877.25	2.15E-04	6.80E-08	2.88E-08	2.64E-04	8.33E-08	3.53E-08	2.31E-04	7.30E-08	3.10E-08
4294	483363.09, 3856877.25	2.59E-04	8.19E-08	3.47E-08	3.18E-04	1.00E-07	4.26E-08	2.79E-04	8.80E-08	3.73E-08
4295	483863.09, 3856877.25	3.18E-04	1.00E-07	4.25E-08	3.89E-04	1.23E-07	5.21E-08	3.41E-04	1.08E-07	4.57E-08
4296	484363.09, 3856877.25	3.96E-04	1.25E-07	5.30E-08	4.84E-04	1.53E-07	6.49E-08	4.26E-04	1.34E-07	5.70E-08
4297	484863.09, 3856877.25	5.05E-04	1.60E-07	6.77E-08	6.19E-04	1.95E-07	8.29E-08	5.44E-04	1.72E-07	7.28E-08
4298	485363.09, 3856877.25	7.14E-04	2.25E-07	9.56E-08	8.74E-04	2.76E-07	1.17E-07	7.68E-04	2.42E-07	1.03E-07
4299	485863.09, 3856877.25	1.19E-03	3.75E-07	1.59E-07	1.45E-03	4.59E-07	1.95E-07	1.28E-03	4.03E-07	1.71E-07
4300	486363.09, 3856877.25	5.40E-03	1.71E-06	7.24E-07	6.62E-03	2.09E-06	8.86E-07	5.83E-03	1.84E-06	7.81E-07
4301	486863.09, 3856877.25	8.01E-03	2.53E-06	1.07E-06	9.80E-03	3.09E-06	1.31E-06	8.64E-03	2.73E-06	1.16E-06
4302	487363.09, 3856877.25	3.21E-03	1.01E-06	4.29E-07	3.93E-03	1.24E-06	5.26E-07	3.45E-03	1.09E-06	4.63E-07
4303	487863.09, 3856877.25	1.95E-03	6.15E-07	2.61E-07	2.39E-03	7.54E-07	3.20E-07	2.09E-03	6.61E-07	2.80E-07
4304	488363.09, 3856877.25	1.43E-03	4.51E-07	1.91E-07	1.75E-03	5.52E-07	2.34E-07	1.53E-03	4.83E-07	2.05E-07
4305	488863.09, 3856877.25	1.13E-03	3.55E-07	1.51E-07	1.38E-03	4.35E-07	1.85E-07	1.21E-03	3.80E-07	1.61E-07
4306	489363.09, 3856877.25	9.20E-04	2.90E-07	1.23E-07	1.13E-03	3.56E-07	1.51E-07	9.85E-04	3.11E-07	1.32E-07
4307	489863.09, 3856877.25	7.72E-04	2.44E-07	1.03E-07	9.45E-04	2.98E-07	1.27E-07	8.27E-04	2.61E-07	1.11E-07
4308	490363.09, 3856877.25	6.59E-04	2.08E-07	8.83E-08	8.07E-04	2.55E-07	1.08E-07	7.06E-04	2.23E-07	9.46E-08
4309	490863.09, 3856877.25	5.70E-04	1.80E-07	7.63E-08	6.98E-04	2.20E-07	9.34E-08	6.11E-04	1.93E-07	8.18E-08
4310	491363.09, 3856877.25	4.99E-04	1.58E-07	6.68E-08	6.11E-04	1.93E-07	8.19E-08	5.35E-04	1.69E-07	7.17E-08
4311	491863.09, 3856877.25	4.40E-04	1.39E-07	5.90E-08	5.39E-04	1.70E-07	7.22E-08	4.72E-04	1.49E-07	6.32E-08
4312	492363.09, 3856877.25	3.64E-04	1.15E-07	4.87E-08	4.45E-04	1.41E-07	5.96E-08	3.90E-04	1.23E-07	5.22E-08
4313	492863.09, 3856877.25	2.86E-04	9.02E-08	3.83E-08	3.50E-04	1.10E-07	4.69E-08	3.06E-04	9.67E-08	4.10E-08
4314	493363.09, 3856877.25	2.04E-04	6.45E-08	2.74E-08	2.50E-04	7.90E-08	3.35E-08	2.19E-04	6.92E-08	2.94E-08
4315	493863.09, 3856877.25	1.35E-04	4.26E-08	1.81E-08	1.65E-04	5.22E-08	2.22E-08	1.45E-04	4.58E-08	1.94E-08
4316	494363.09, 3856877.25	9.39E-05	2.96E-08	1.26E-08	1.15E-04	3.63E-08	1.54E-08	1.01E-04	3.18E-08	1.35E-08
4317	494863.09, 3856877.25	7.69E-05	2.43E-08	1.03E-08	9.42E-05	2.97E-08	1.26E-08	8.26E-05	2.61E-08	1.11E-08
4318	495363.09, 3856877.25	6.76E-05	2.13E-08	9.06E-09	8.28E-05	2.61E-08	1.11E-08	7.26E-05	2.29E-08	9.72E-09
4319	495863.09, 3856877.25	6.45E-05	2.03E-08	8.63E-09	7.90E-05	2.49E-08	1.06E-08	6.92E-05	2.18E-08	9.27E-09
4320	496363.09, 3856877.25	6.26E-05	1.98E-08	8.39E-09	7.67E-05	2.42E-08	1.03E-08	6.72E-05	2.12E-08	9.00E-09
4321	496863.09, 3856877.25	6.32E-05	2.00E-08	8.47E-09	7.75E-05	2.44E-08	1.04E-08	6.79E-05	2.14E-08	9.09E-09
4322	497363.09, 3856877.25	6.61E-05	2.09E-08	8.86E-09	8.10E-05	2.56E-08	1.08E-08	7.10E-05	2.24E-08	9.51E-09
4323	497863.09, 3856877.25	7.41E-05	2.34E-08	9.92E-09	9.08E-05	2.86E-08	1.22E-08	7.95E-05	2.51E-08	1.07E-08
4324	498363.09, 3856877.25	8.38E-05	2.65E-08	1.12E-08	1.03E-04	3.24E-08	1.37E-08	9.00E-05	2.84E-08	1.20E-08
4325	471363.09, 3857377.25	1.84E-05	5.81E-09	2.46E-09	2.25E-05	7.12E-09	3.02E-09	1.98E-05	6.24E-09	2.65E-09
4326	471863.09, 3857377.25	1.91E-05	6.02E-09	2.55E-09	2.34E-05	7.37E-09	3.13E-09	2.05E-05	6.47E-09	2.74E-09
4327	472363.09, 3857377.25	2.02E-05	6.38E-09	2.71E-09	2.48E-05	7.81E-09	3.32E-09	2.17E-05	6.85E-09	2.91E-09
4328	472863.09, 3857377.25	2.17E-05	6.84E-09	2.90E-09	2.65E-05	8.37E-09	3.55E-09	2.33E-05	7.34E-09	3.12E-09
4329	473363.09, 3857377.25	2.35E-05	7.43E-09	3.15E-09	2.88E-05	9.10E-09	3.86E-09	2.53E-05	7.98E-09	3.39E-09
4330	473863.09, 3857377.25	2.58E-05	8.15E-09	3.46E-09	3.16E-05	9.98E-09	4.23E-09	2.77E-05	8.75E-09	3.71E-09
4331	474363.09, 3857377.25	2.55E-05	8.05E-09	3.42E-09	3.13E-05	9.86E-09	4.18E-09	2.74E-05	8.65E-09	3.67E-09
4332	474863.09, 3857377.25	2.09E-05	6.59E-09	2.80E-09	2.56E-05	8.08E-09	3.43E-09	2.24E-05	7.08E-09	3.00E-09
4333	475363.09, 3857377.25	1.47E-05	4.65E-09	1.97E-09	1.81E-05	5.70E-09	2.42E-09	1.58E-05	5.00E-09	2.12E-09
4334	475863.09, 3857377.25	1.38E-05	4.34E-09	1.84E-09	1.68E-05	5.32E-09	2.26E-09	1.48E-05	4.66E-09	1.98E-09
4335	476363.09, 3857377.25	1.86E-05	5.88E-09	2.50E-09	2.28E-05	7.21E-09	3.06E-09	2.00E-05	6.32E-09	2.68E-09
4336	476863.09, 3857377.25	2.03E-05	6.40E-09	2.71E-09	2.48E-05	7.84E-09	3.32E-09	2.18E-05	6.87E-09	2.91E-09
4337	477363.09, 3857377.25	1.77E-05	5.57E-09	2.36E-09	2.16E-05	6.83E-09	2.90E-09	1.90E-05	5.99E-09	2.54E-09
4338	477863.09, 3857377.25	1.30E-05	4.09E-09	1.74E-09	1.59E-05	5.01E-09	2.13E-09	1.39E-05	4.39E-09	1.86E-09
4339	478363.09, 3857377.25	9.78E-06	3.09E-09	1.31E-09	1.20E-05	3.78E-09	1.60E-09	1.05E-05	3.32E-09	1.41E-09
4340	478863.09, 3857377.25	8.38E-06	2.65E-09	1.12E-09	1.03E-05	3.24E-09	1.38E-09	9.01E-06	2.84E-09	1.21E-09
4341	479363.09, 3857377.25	1.42E-05	4.49E-09	1.91E-09	1.74E-05	5.50E-09	2.33E-09	1.53E-05	4.82E-09	2.05E-09
4342	479863.09, 3857377.25	4.48E-05	1.42E-08	6.01E-09	5.49E-05	1.73E-08	7.36E-09	4.82E-05	1.52E-08	6.45E-09
4343	480363.09, 3857377.25	3.60E-05	1.14E-08	4.83E-09	4.41E-05	1.39E-08	5.91E-09	3.87E-05	1.22E-08	5.18E-09
4344	480863.09, 3857377.25	1.07E-04	3.38E-08	1.44E-08	1.31E-04	4.14E-08	1.76E-08	1.15E-04	3.64E-08	1.54E-08
4345	481363.09, 3857377.25	1.22E-04	3.85E-08	1.63E-08	1.49E-04	4.71E-08	2.00E-08	1.31E-04	4.13E-08	1.75E-08
4346	481863.09, 3857377.25	1.47E-04	4.63E-08	1.96E-08	1.80E-04	5.67E-08	2.41E-08	1.58E-04	4.97E-08	2.11E-08
4347	482363.09, 3857377.25	1.67E-04	5.26E-08	2.23E-08	2.04E-04	6.44E-08	2.73E-08	1.79E-04	5.65E-08	2.40E-08
4348	482863.09, 3857377.25	1.87E-04	5.91E-08	2.51E-08	2.30E-04	7.24E-08	3.07E-08	2.01E-04	6.35E-08	2.70E-08

4349	483363.09, 3857377.25	2.17E-04	6.85E-08	2.90E-08	2.66E-04	8.38E-08	3.56E-08	2.33E-04	7.36E-08	3.12E-08
4350	483863.09, 3857377.25	2.57E-04	8.10E-08	3.44E-08	3.14E-04	9.92E-08	4.21E-08	2.76E-04	8.71E-08	3.69E-08
4351	484363.09, 3857377.25	3.04E-04	9.60E-08	4.07E-08	3.73E-04	1.18E-07	4.99E-08	3.27E-04	1.03E-07	4.38E-08
4352	484863.09, 3857377.25	3.70E-04	1.17E-07	4.96E-08	4.54E-04	1.43E-07	6.07E-08	3.98E-04	1.26E-07	5.33E-08
4353	485363.09, 3857377.25	4.65E-04	1.47E-07	6.23E-08	5.70E-04	1.80E-07	7.63E-08	5.00E-04	1.58E-07	6.70E-08
4354	485863.09, 3857377.25	6.22E-04	1.96E-07	8.34E-08	7.62E-04	2.41E-07	1.02E-07	6.69E-04	2.11E-07	8.96E-08
4355	486363.09, 3857377.25	1.02E-03	3.23E-07	1.37E-07	1.25E-03	3.96E-07	1.68E-07	1.10E-03	3.47E-07	1.47E-07
4356	486863.09, 3857377.25	3.32E-03	1.05E-06	4.45E-07	4.07E-03	1.28E-06	5.45E-07	3.55E-03	1.12E-06	4.75E-07
4357	487363.09, 3857377.25	6.20E-03	1.96E-06	8.31E-07	7.60E-03	2.40E-06	1.02E-06	6.46E-03	2.04E-06	8.66E-07
4358	487863.09, 3857377.25	2.42E-03	7.64E-07	3.24E-07	2.96E-03	9.35E-07	3.97E-07	2.56E-03	8.08E-07	3.43E-07
4359	488363.09, 3857377.25	1.58E-03	4.99E-07	2.12E-07	1.94E-03	6.11E-07	2.59E-07	1.68E-03	5.32E-07	2.26E-07
4360	488863.09, 3857377.25	1.17E-03	3.69E-07	1.57E-07	1.43E-03	4.52E-07	1.92E-07	1.25E-03	3.94E-07	1.67E-07
4361	489363.09, 3857377.25	9.23E-04	2.91E-07	1.24E-07	1.13E-03	3.57E-07	1.51E-07	9.87E-04	3.11E-07	1.32E-07
4362	489863.09, 3857377.25	7.60E-04	2.40E-07	1.02E-07	9.31E-04	2.94E-07	1.25E-07	8.14E-04	2.57E-07	1.09E-07
4363	490363.09, 3857377.25	6.41E-04	2.02E-07	8.58E-08	7.85E-04	2.48E-07	1.05E-07	6.86E-04	2.17E-07	9.19E-08
4364	490863.09, 3857377.25	5.51E-04	1.74E-07	7.37E-08	6.74E-04	2.13E-07	9.03E-08	5.90E-04	1.86E-07	7.90E-08
4365	491363.09, 3857377.25	4.80E-04	1.51E-07	6.42E-08	5.88E-04	1.85E-07	7.87E-08	5.14E-04	1.62E-07	6.89E-08
4366	491863.09, 3857377.25	4.20E-04	1.32E-07	5.62E-08	5.14E-04	1.62E-07	6.88E-08	4.50E-04	1.42E-07	6.03E-08
4367	492363.09, 3857377.25	3.27E-04	1.03E-07	4.38E-08	4.01E-04	1.27E-07	5.37E-08	3.51E-04	1.11E-07	4.70E-08
4368	492863.09, 3857377.25	2.27E-04	7.15E-08	3.03E-08	2.78E-04	8.76E-08	3.72E-08	2.43E-04	7.67E-08	3.26E-08
4369	493363.09, 3857377.25	1.51E-04	4.77E-08	2.02E-08	1.85E-04	5.84E-08	2.48E-08	1.62E-04	5.12E-08	2.17E-08
4370	493863.09, 3857377.25	1.22E-04	3.85E-08	1.63E-08	1.49E-04	4.72E-08	2.00E-08	1.31E-04	4.13E-08	1.75E-08
4371	494363.09, 3857377.25	9.70E-05	3.06E-08	1.30E-08	1.19E-04	3.75E-08	1.59E-08	1.04E-04	3.29E-08	1.39E-08
4372	494863.09, 3857377.25	8.52E-05	2.69E-08	1.14E-08	1.04E-04	3.29E-08	1.40E-08	9.14E-05	2.89E-08	1.22E-08
4373	495363.09, 3857377.25	7.61E-05	2.40E-08	1.02E-08	9.33E-05	2.94E-08	1.25E-08	8.17E-05	2.58E-08	1.09E-08
4374	495863.09, 3857377.25	7.27E-05	2.30E-08	9.74E-09	8.91E-05	2.81E-08	1.19E-08	7.81E-05	2.46E-08	1.05E-08
4375	496363.09, 3857377.25	7.08E-05	2.24E-08	9.48E-09	8.67E-05	2.74E-08	1.16E-08	7.60E-05	2.40E-08	1.02E-08
4376	496863.09, 3857377.25	7.01E-05	2.21E-08	9.38E-09	8.58E-05	2.71E-08	1.15E-08	7.52E-05	2.37E-08	1.01E-08
4377	497363.09, 3857377.25	7.29E-05	2.30E-08	9.76E-09	8.93E-05	2.82E-08	1.20E-08	7.83E-05	2.47E-08	1.05E-08
4378	497863.09, 3857377.25	7.86E-05	2.48E-08	1.05E-08	9.63E-05	3.04E-08	1.29E-08	8.44E-05	2.66E-08	1.13E-08
4379	498363.09, 3857377.25	9.51E-05	3.00E-08	1.27E-08	1.16E-04	3.68E-08	1.56E-08	1.02E-04	3.22E-08	1.37E-08
4380	471363.09, 3857877.25	1.84E-05	5.82E-09	2.47E-09	2.26E-05	7.13E-09	3.02E-09	1.98E-05	6.25E-09	2.65E-09
4381	471863.09, 3857877.25	1.93E-05	6.08E-09	2.58E-09	2.36E-05	7.45E-09	3.16E-09	2.07E-05	6.53E-09	2.77E-09
4382	472363.09, 3857877.25	2.05E-05	6.46E-09	2.74E-09	2.51E-05	7.91E-09	3.36E-09	2.20E-05	6.94E-09	2.94E-09
4383	472863.09, 3857877.25	2.22E-05	7.02E-09	2.98E-09	2.72E-05	8.60E-09	3.65E-09	2.39E-05	7.54E-09	3.20E-09
4384	473363.09, 3857877.25	2.37E-05	7.49E-09	3.18E-09	2.91E-05	9.18E-09	3.89E-09	2.55E-05	8.05E-09	3.42E-09
4385	473863.09, 3857877.25	2.59E-05	8.16E-09	3.46E-09	3.17E-05	1.00E-08	4.24E-09	2.78E-05	8.77E-09	3.72E-09
4386	474363.09, 3857877.25	2.53E-05	7.98E-09	3.38E-09	3.10E-05	9.77E-09	4.15E-09	2.71E-05	8.57E-09	3.64E-09
4387	474863.09, 3857877.25	2.00E-05	6.31E-09	2.68E-09	2.45E-05	7.73E-09	3.28E-09	2.15E-05	6.78E-09	2.88E-09
4388	475363.09, 3857877.25	1.10E-05	3.48E-09	1.48E-09	1.35E-05	4.26E-09	1.81E-09	1.18E-05	3.74E-09	1.59E-09
4389	475863.09, 3857877.25	4.90E-06	1.55E-09	6.56E-10	6.00E-06	1.89E-09	8.04E-10	5.26E-06	1.66E-09	7.05E-10
4390	476363.09, 3857877.25	1.28E-05	4.04E-09	1.71E-09	1.57E-05	4.95E-09	2.10E-09	1.37E-05	4.34E-09	1.84E-09
4391	476863.09, 3857877.25	1.64E-05	5.18E-09	2.20E-09	2.01E-05	6.34E-09	2.69E-09	1.76E-05	5.56E-09	2.36E-09
4392	477363.09, 3857877.25	1.61E-05	5.08E-09	2.16E-09	1.97E-05	6.22E-09	2.64E-09	1.73E-05	5.46E-09	2.32E-09
4393	477863.09, 3857877.25	1.55E-05	4.90E-09	2.08E-09	1.90E-05	6.01E-09	2.55E-09	1.67E-05	5.27E-09	2.24E-09
4394	478363.09, 3857877.25	8.25E-06	2.60E-09	1.11E-09	1.01E-05	3.19E-09	1.35E-09	8.86E-06	2.80E-09	1.19E-09
4395	478863.09, 3857877.25	6.73E-06	2.13E-09	9.02E-10	8.25E-06	2.60E-09	1.10E-09	7.23E-06	2.28E-09	9.68E-10
4396	479363.09, 3857877.25	4.01E-05	1.27E-08	5.38E-09	4.92E-05	1.55E-08	6.59E-09	4.31E-05	1.36E-08	5.77E-09
4397	479863.09, 3857877.25	7.23E-05	2.28E-08	9.68E-09	8.86E-05	2.79E-08	1.19E-08	7.77E-05	2.45E-08	1.04E-08
4398	480363.09, 3857877.25	8.69E-05	2.74E-08	1.16E-08	1.06E-04	3.36E-08	1.43E-08	9.34E-05	2.95E-08	1.25E-08
4399	480863.09, 3857877.25	9.83E-05	3.10E-08	1.32E-08	1.20E-04	3.80E-08	1.61E-08	1.06E-04	3.33E-08	1.41E-08
4400	481363.09, 3857877.25	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.79E-08	1.61E-08
4401	481863.09, 3857877.25	1.30E-04	4.11E-08	1.74E-08	1.59E-04	5.03E-08	2.14E-08	1.40E-04	4.41E-08	1.87E-08
4402	482363.09, 3857877.25	1.51E-04	4.76E-08	2.02E-08	1.85E-04	5.83E-08	2.47E-08	1.62E-04	5.11E-08	2.17E-08
4403	482863.09, 3857877.25	1.61E-04	5.09E-08	2.16E-08	1.98E-04	6.23E-08	2.65E-08	1.73E-04	5.47E-08	2.32E-08
4404	483363.09, 3857877.25	1.82E-04	5.76E-08	2.44E-08	2.24E-04	7.05E-08	2.99E-08	1.96E-04	6.19E-08	2.63E-08
4405	483863.09, 3857877.25	2.10E-04	6.63E-08	2.81E-08	2.57E-04	8.12E-08	3.44E-08	2.26E-04	7.12E-08	3.02E-08
4406	484363.09, 3857877.25	2.41E-04	7.62E-08	3.23E-08	2.96E-04	9.33E-08	3.96E-08	2.59E-04	8.19E-08	3.47E-08
4407	484863.09, 3857877.25	2.82E-04	8.89E-08	3.77E-08	3.45E-04	1.09E-07	4.62E-08	3.03E-04	9.55E-08	4.05E-08
4408	485363.09, 3857877.25	3.34E-04	1.05E-07	4.47E-08	4.09E-04	1.29E-07	5.48E-08	3.59E-04	1.13E-07	4.81E-08
4409	485863.09, 3857877.25	4.09E-04	1.29E-07	5.47E-08	5.01E-04	1.58E-07	6.70E-08	4.39E-04	1.38E-07	5.87E-08
4410	486363.09, 3857877.25	5.26E-04	1.66E-07	7.04E-08	6.44E-04	2.03E-07	8.62E-08	5.64E-04	1.78E-07	7.55E-08
4411	486863.09, 3857877.25	7.58E-04	2.39E-07	1.01E-07	9.28E-04	2.93E-07	1.24E-07	8.11E-04	2.56E-07	1.09E-07
4412	487363.09, 3857877.25	1.72E-03	5.43E-07	2.30E-07	2.11E-03	6.65E-07	2.82E-07	1.85E-03	5.84E-07	2.48E-07

4413	487863.09, 3857877.25	2.83E-03	8.92E-07	3.79E-07	3.46E-03	1.09E-06	4.64E-07	3.04E-03	9.60E-07	4.07E-07
4414	488363.09, 3857877.25	1.43E-03	4.51E-07	1.91E-07	1.75E-03	5.52E-07	2.34E-07	1.53E-03	4.84E-07	2.05E-07
4415	488863.09, 3857877.25	1.02E-03	3.21E-07	1.36E-07	1.25E-03	3.93E-07	1.67E-07	1.09E-03	3.44E-07	1.46E-07
4416	489363.09, 3857877.25	8.13E-04	2.57E-07	1.09E-07	9.96E-04	3.14E-07	1.33E-07	8.72E-04	2.75E-07	1.17E-07
4417	489863.09, 3857877.25	6.77E-04	2.14E-07	9.06E-08	8.29E-04	2.62E-07	1.11E-07	7.25E-04	2.29E-07	9.71E-08
4418	490363.09, 3857877.25	5.76E-04	1.82E-07	7.71E-08	7.05E-04	2.23E-07	9.44E-08	6.17E-04	1.95E-07	8.26E-08
4419	490863.09, 3857877.25	4.97E-04	1.57E-07	6.65E-08	6.08E-04	1.92E-07	8.15E-08	5.33E-04	1.68E-07	7.13E-08
4420	491363.09, 3857877.25	4.29E-04	1.36E-07	5.75E-08	5.26E-04	1.66E-07	7.04E-08	4.61E-04	1.45E-07	6.17E-08
4421	491863.09, 3857877.25	3.65E-04	1.15E-07	4.89E-08	4.48E-04	1.41E-07	5.99E-08	3.92E-04	1.24E-07	5.25E-08
4422	492363.09, 3857877.25	2.65E-04	8.35E-08	3.54E-08	3.24E-04	1.02E-07	4.34E-08	2.84E-04	8.96E-08	3.80E-08
4423	492863.09, 3857877.25	1.77E-04	5.59E-08	2.37E-08	2.17E-04	6.84E-08	2.90E-08	1.90E-04	6.00E-08	2.54E-08
4424	493363.09, 3857877.25	1.42E-04	4.49E-08	1.90E-08	1.74E-04	5.50E-08	2.33E-08	1.53E-04	4.82E-08	2.04E-08
4425	493863.09, 3857877.25	1.24E-04	3.91E-08	1.66E-08	1.52E-04	4.78E-08	2.03E-08	1.33E-04	4.19E-08	1.78E-08
4426	494363.09, 3857877.25	1.11E-04	3.49E-08	1.48E-08	1.36E-04	4.28E-08	1.82E-08	1.19E-04	3.75E-08	1.59E-08
4427	494863.09, 3857877.25	9.29E-05	2.93E-08	1.24E-08	1.14E-04	3.59E-08	1.52E-08	9.98E-05	3.15E-08	1.34E-08
4428	495363.09, 3857877.25	8.61E-05	2.72E-08	1.15E-08	1.05E-04	3.33E-08	1.41E-08	9.24E-05	2.92E-08	1.24E-08
4429	495863.09, 3857877.25	8.04E-05	2.54E-08	1.08E-08	9.84E-05	3.11E-08	1.32E-08	8.63E-05	2.72E-08	1.16E-08
4430	496363.09, 3857877.25	7.99E-05	2.52E-08	1.07E-08	9.78E-05	3.09E-08	1.31E-08	8.57E-05	2.71E-08	1.15E-08
4431	496863.09, 3857877.25	7.96E-05	2.51E-08	1.07E-08	9.74E-05	3.08E-08	1.30E-08	8.54E-05	2.70E-08	1.14E-08
4432	497363.09, 3857877.25	7.78E-05	2.46E-08	1.04E-08	9.53E-05	3.01E-08	1.28E-08	8.36E-05	2.64E-08	1.12E-08
4433	497863.09, 3857877.25	8.83E-05	2.79E-08	1.18E-08	1.08E-04	3.41E-08	1.45E-08	9.47E-05	2.99E-08	1.27E-08
4434	498363.09, 3857877.25	9.82E-05	3.10E-08	1.31E-08	1.20E-04	3.79E-08	1.61E-08	1.05E-04	3.33E-08	1.41E-08
4435	471363.09, 3858377.25	1.90E-05	5.99E-09	2.54E-09	2.33E-05	7.34E-09	3.11E-09	2.04E-05	6.44E-09	2.73E-09
4436	471863.09, 3858377.25	1.99E-05	6.28E-09	2.67E-09	2.44E-05	7.70E-09	3.27E-09	2.14E-05	6.75E-09	2.86E-09
4437	472363.09, 3858377.25	2.10E-05	6.62E-09	2.81E-09	2.57E-05	8.11E-09	3.44E-09	2.25E-05	7.11E-09	3.02E-09
4438	472863.09, 3858377.25	2.26E-05	7.13E-09	3.02E-09	2.77E-05	8.73E-09	3.70E-09	2.42E-05	7.65E-09	3.25E-09
4439	473363.09, 3858377.25	2.51E-05	7.92E-09	3.36E-09	3.07E-05	9.70E-09	4.11E-09	2.69E-05	8.50E-09	3.61E-09
4440	473863.09, 3858377.25	2.62E-05	8.27E-09	3.51E-09	3.21E-05	1.01E-08	4.30E-09	2.81E-05	8.88E-09	3.77E-09
4441	474363.09, 3858377.25	2.49E-05	7.86E-09	3.33E-09	3.05E-05	9.63E-09	4.08E-09	2.67E-05	8.44E-09	3.58E-09
4442	474863.09, 3858377.25	2.10E-05	6.61E-09	2.81E-09	2.57E-05	8.10E-09	3.44E-09	2.25E-05	7.10E-09	3.01E-09
4443	475363.09, 3858377.25	1.39E-05	4.38E-09	1.86E-09	1.70E-05	5.37E-09	2.28E-09	1.49E-05	4.71E-09	2.00E-09
4444	475863.09, 3858377.25	9.62E-06	3.04E-09	1.29E-09	1.18E-05	3.72E-09	1.58E-09	1.03E-05	3.26E-09	1.38E-09
4445	476363.09, 3858377.25	1.06E-05	3.36E-09	1.42E-09	1.30E-05	4.11E-09	1.74E-09	1.14E-05	3.61E-09	1.53E-09
4446	476863.09, 3858377.25	1.20E-05	3.79E-09	1.61E-09	1.47E-05	4.65E-09	1.97E-09	1.29E-05	4.08E-09	1.73E-09
4447	477363.09, 3858377.25	1.14E-05	3.59E-09	1.53E-09	1.40E-05	4.40E-09	1.87E-09	1.22E-05	3.86E-09	1.64E-09
4448	477863.09, 3858377.25	1.61E-05	5.10E-09	2.16E-09	1.98E-05	6.24E-09	2.65E-09	1.73E-05	5.47E-09	2.32E-09
4449	478363.09, 3858377.25	1.76E-05	5.56E-09	2.36E-09	2.16E-05	6.82E-09	2.89E-09	1.89E-05	5.97E-09	2.54E-09
4450	478863.09, 3858377.25	1.14E-05	3.60E-09	1.53E-09	1.40E-05	4.41E-09	1.87E-09	1.23E-05	3.87E-09	1.64E-09
4451	479363.09, 3858377.25	4.17E-05	1.32E-08	5.59E-09	5.11E-05	1.61E-08	6.84E-09	4.48E-05	1.41E-08	6.00E-09
4452	479863.09, 3858377.25	7.09E-05	2.24E-08	9.50E-09	8.69E-05	2.74E-08	1.16E-08	7.62E-05	2.40E-08	1.02E-08
4453	480363.09, 3858377.25	8.23E-05	2.60E-08	1.10E-08	1.01E-04	3.18E-08	1.35E-08	8.84E-05	2.79E-08	1.18E-08
4454	480863.09, 3858377.25	9.15E-05	2.89E-08	1.23E-08	1.12E-04	3.54E-08	1.50E-08	9.83E-05	3.10E-08	1.32E-08
4455	481363.09, 3858377.25	1.03E-04	3.25E-08	1.38E-08	1.26E-04	3.99E-08	1.69E-08	1.11E-04	3.50E-08	1.48E-08
4456	481863.09, 3858377.25	1.16E-04	3.67E-08	1.56E-08	1.42E-04	4.50E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
4457	482363.09, 3858377.25	1.32E-04	4.17E-08	1.77E-08	1.62E-04	5.11E-08	2.17E-08	1.42E-04	4.49E-08	1.90E-08
4458	482863.09, 3858377.25	1.48E-04	4.68E-08	1.98E-08	1.82E-04	5.73E-08	2.43E-08	1.59E-04	5.03E-08	2.13E-08
4459	483363.09, 3858377.25	1.58E-04	4.97E-08	2.11E-08	1.93E-04	6.09E-08	2.58E-08	1.69E-04	5.34E-08	2.27E-08
4460	483863.09, 3858377.25	1.73E-04	5.45E-08	2.31E-08	2.12E-04	6.68E-08	2.83E-08	1.86E-04	5.86E-08	2.48E-08
4461	484363.09, 3858377.25	1.95E-04	6.15E-08	2.61E-08	2.39E-04	7.53E-08	3.20E-08	2.09E-04	6.61E-08	2.80E-08
4462	484863.09, 3858377.25	2.20E-04	6.93E-08	2.94E-08	2.69E-04	8.49E-08	3.60E-08	2.36E-04	7.44E-08	3.16E-08
4463	485363.09, 3858377.25	2.49E-04	7.85E-08	3.33E-08	3.04E-04	9.61E-08	4.08E-08	2.67E-04	8.42E-08	3.57E-08
4464	485863.09, 3858377.25	2.86E-04	9.03E-08	3.83E-08	3.50E-04	1.11E-07	4.69E-08	3.07E-04	9.69E-08	4.11E-08
4465	486363.09, 3858377.25	3.35E-04	1.06E-07	4.49E-08	4.11E-04	1.30E-07	5.50E-08	3.60E-04	1.14E-07	4.82E-08
4466	486863.09, 3858377.25	3.98E-04	1.26E-07	5.33E-08	4.88E-04	1.54E-07	6.53E-08	4.27E-04	1.35E-07	5.72E-08
4467	487363.09, 3858377.25	5.07E-04	1.60E-07	6.79E-08	6.21E-04	1.96E-07	8.32E-08	5.45E-04	1.72E-07	7.30E-08
4468	487863.09, 3858377.25	8.55E-04	2.70E-07	1.15E-07	1.05E-03	3.31E-07	1.40E-07	9.21E-04	2.91E-07	1.23E-07
4469	488363.09, 3858377.25	2.16E-03	6.82E-07	2.89E-07	2.65E-03	8.36E-07	3.55E-07	2.33E-03	7.36E-07	3.12E-07
4470	488863.09, 3858377.25	1.00E-03	3.17E-07	1.34E-07	1.23E-03	3.88E-07	1.65E-07	1.08E-03	3.41E-07	1.45E-07
4471	489363.09, 3858377.25	7.31E-04	2.31E-07	9.79E-08	8.96E-04	2.83E-07	1.20E-07	7.86E-04	2.48E-07	1.05E-07
4472	489863.09, 3858377.25	5.92E-04	1.87E-07	7.93E-08	7.26E-04	2.29E-07	9.72E-08	6.37E-04	2.01E-07	8.52E-08
4473	490363.09, 3858377.25	4.97E-04	1.57E-07	6.65E-08	6.08E-04	1.92E-07	8.15E-08	5.34E-04	1.68E-07	7.14E-08
4474	490863.09, 3858377.25	4.26E-04	1.35E-07	5.71E-08	5.22E-04	1.65E-07	6.99E-08	4.58E-04	1.44E-07	6.13E-08
4475	491363.09, 3858377.25	3.66E-04	1.15E-07	4.90E-08	4.48E-04	1.41E-07	6.00E-08	3.92E-04	1.24E-07	5.25E-08
4476	491863.09, 3858377.25	2.89E-04	9.12E-08	3.87E-08	3.54E-04	1.12E-07	4.74E-08	3.10E-04	9.79E-08	4.15E-08

4477	492363.09, 3858377.25	1.89E-04	5.97E-08	2.53E-08	2.32E-04	7.31E-08	3.10E-08	2.03E-04	6.41E-08	2.72E-08
4478	492863.09, 3858377.25	1.95E-04	6.15E-08	2.61E-08	2.39E-04	7.54E-08	3.20E-08	2.09E-04	6.60E-08	2.80E-08
4479	493363.09, 3858377.25	1.62E-04	5.11E-08	2.17E-08	1.98E-04	6.25E-08	2.65E-08	1.74E-04	5.48E-08	2.32E-08
4480	493863.09, 3858377.25	1.44E-04	4.54E-08	1.93E-08	1.76E-04	5.56E-08	2.36E-08	1.54E-04	4.87E-08	2.07E-08
4481	494363.09, 3858377.25	1.25E-04	3.95E-08	1.68E-08	1.53E-04	4.84E-08	2.05E-08	1.34E-04	4.24E-08	1.80E-08
4482	494863.09, 3858377.25	1.11E-04	3.49E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.19E-04	3.75E-08	1.59E-08
4483	495363.09, 3858377.25	9.53E-05	3.01E-08	1.28E-08	1.17E-04	3.68E-08	1.56E-08	1.02E-04	3.23E-08	1.37E-08
4484	495863.09, 3858377.25	9.14E-05	2.89E-08	1.22E-08	1.12E-04	3.53E-08	1.50E-08	9.82E-05	3.10E-08	1.31E-08
4485	496363.09, 3858377.25	8.71E-05	2.75E-08	1.17E-08	1.07E-04	3.37E-08	1.43E-08	9.35E-05	2.95E-08	1.25E-08
4486	496863.09, 3858377.25	8.98E-05	2.83E-08	1.20E-08	1.10E-04	3.47E-08	1.47E-08	9.64E-05	3.04E-08	1.29E-08
4487	497363.09, 3858377.25	8.88E-05	2.80E-08	1.19E-08	1.09E-04	3.43E-08	1.46E-08	9.54E-05	3.01E-08	1.28E-08
4488	497863.09, 3858377.25	9.65E-05	3.05E-08	1.29E-08	1.18E-04	3.73E-08	1.58E-08	1.04E-04	3.27E-08	1.39E-08
4489	498363.09, 3858377.25	1.06E-04	3.34E-08	1.42E-08	1.30E-04	4.09E-08	1.74E-08	1.14E-04	3.59E-08	1.52E-08
4490	471363.09, 3858877.25	1.93E-05	6.08E-09	2.58E-09	2.36E-05	7.44E-09	3.16E-09	2.07E-05	6.52E-09	2.77E-09
4491	471863.09, 3858877.25	2.02E-05	6.38E-09	2.70E-09	2.47E-05	7.81E-09	3.31E-09	2.17E-05	6.84E-09	2.90E-09
4492	472363.09, 3858877.25	2.18E-05	6.89E-09	2.92E-09	2.67E-05	8.43E-09	3.58E-09	2.34E-05	7.39E-09	3.14E-09
4493	472863.09, 3858877.25	2.34E-05	7.39E-09	3.13E-09	2.87E-05	9.05E-09	3.84E-09	2.51E-05	7.93E-09	3.36E-09
4494	473363.09, 3858877.25	2.54E-05	8.03E-09	3.41E-09	3.11E-05	9.83E-09	4.17E-09	2.73E-05	8.62E-09	3.66E-09
4495	473863.09, 3858877.25	2.66E-05	8.38E-09	3.56E-09	3.25E-05	1.03E-08	4.36E-09	2.85E-05	9.00E-09	3.82E-09
4496	474363.09, 3858877.25	2.59E-05	8.18E-09	3.47E-09	3.17E-05	1.00E-08	4.25E-09	2.78E-05	8.78E-09	3.73E-09
4497	474863.09, 3858877.25	1.33E-05	4.20E-09	1.78E-09	1.63E-05	5.15E-09	2.18E-09	1.43E-05	4.51E-09	1.91E-09
4498	475363.09, 3858877.25	9.51E-06	3.00E-09	1.27E-09	1.17E-05	3.68E-09	1.56E-09	1.02E-05	3.23E-09	1.37E-09
4499	475863.09, 3858877.25	1.12E-05	3.55E-09	1.50E-09	1.38E-05	4.34E-09	1.84E-09	1.21E-05	3.81E-09	1.62E-09
4500	476363.09, 3858877.25	6.75E-06	2.13E-09	9.04E-10	8.27E-06	2.61E-09	1.11E-09	7.25E-06	2.29E-09	9.71E-10
4501	476863.09, 3858877.25	8.86E-06	2.80E-09	1.19E-09	1.09E-05	3.43E-09	1.45E-09	9.52E-06	3.00E-09	1.27E-09
4502	477363.09, 3858877.25	9.19E-06	2.90E-09	1.23E-09	1.13E-05	3.55E-09	1.51E-09	9.87E-06	3.12E-09	1.32E-09
4503	477863.09, 3858877.25	1.19E-05	3.76E-09	1.59E-09	1.46E-05	4.60E-09	1.95E-09	1.28E-05	4.04E-09	1.71E-09
4504	478363.09, 3858877.25	2.72E-05	8.58E-09	3.64E-09	3.33E-05	1.05E-08	4.46E-09	2.92E-05	9.21E-09	3.91E-09
4505	478863.09, 3858877.25	2.29E-05	7.23E-09	3.07E-09	2.81E-05	8.86E-09	3.76E-09	2.46E-05	7.77E-09	3.30E-09
4506	479363.09, 3858877.25	1.81E-05	5.73E-09	2.43E-09	2.22E-05	7.02E-09	2.98E-09	1.95E-05	6.15E-09	2.61E-09
4507	479863.09, 3858877.25	6.77E-05	2.14E-08	9.07E-09	8.29E-05	2.62E-08	1.11E-08	7.28E-05	2.30E-08	9.74E-09
4508	480363.09, 3858877.25	7.61E-05	2.40E-08	1.02E-08	9.32E-05	2.94E-08	1.25E-08	8.17E-05	2.58E-08	1.09E-08
4509	480863.09, 3858877.25	8.44E-05	2.66E-08	1.13E-08	1.03E-04	3.26E-08	1.38E-08	9.07E-05	2.86E-08	1.21E-08
4510	481363.09, 3858877.25	9.35E-05	2.95E-08	1.25E-08	1.15E-04	3.61E-08	1.53E-08	1.00E-04	3.17E-08	1.34E-08
4511	481863.09, 3858877.25	1.04E-04	3.29E-08	1.40E-08	1.28E-04	4.03E-08	1.71E-08	1.12E-04	3.53E-08	1.50E-08
4512	482363.09, 3858877.25	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.47E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
4513	482863.09, 3858877.25	1.28E-04	4.05E-08	1.72E-08	1.57E-04	4.96E-08	2.10E-08	1.38E-04	4.35E-08	1.84E-08
4514	483363.09, 3858877.25	1.34E-04	4.22E-08	1.79E-08	1.64E-04	5.17E-08	2.19E-08	1.43E-04	4.53E-08	1.92E-08
4515	483863.09, 3858877.25	1.44E-04	4.54E-08	1.93E-08	1.76E-04	5.56E-08	2.36E-08	1.55E-04	4.88E-08	2.07E-08
4516	484363.09, 3858877.25	1.58E-04	5.00E-08	2.12E-08	1.94E-04	6.13E-08	2.60E-08	1.70E-04	5.37E-08	2.28E-08
4517	484863.09, 3858877.25	1.74E-04	5.48E-08	2.32E-08	2.13E-04	6.71E-08	2.85E-08	1.87E-04	5.89E-08	2.50E-08
4518	485363.09, 3858877.25	1.91E-04	6.02E-08	2.55E-08	2.34E-04	7.37E-08	3.13E-08	2.05E-04	6.46E-08	2.74E-08
4519	485863.09, 3858877.25	2.11E-04	6.66E-08	2.82E-08	2.58E-04	8.15E-08	3.46E-08	2.26E-04	7.15E-08	3.03E-08
4520	486363.09, 3858877.25	2.32E-04	7.31E-08	3.10E-08	2.84E-04	8.95E-08	3.80E-08	2.49E-04	7.85E-08	3.33E-08
4521	486863.09, 3858877.25	2.58E-04	8.13E-08	3.45E-08	3.16E-04	9.96E-08	4.23E-08	2.77E-04	8.73E-08	3.70E-08
4522	487363.09, 3858877.25	2.98E-04	9.40E-08	3.99E-08	3.65E-04	1.15E-07	4.89E-08	3.20E-04	1.01E-07	4.29E-08
4523	487863.09, 3858877.25	3.55E-04	1.12E-07	4.76E-08	4.35E-04	1.37E-07	5.83E-08	3.82E-04	1.21E-07	5.12E-08
4524	488363.09, 3858877.25	5.14E-04	1.62E-07	6.88E-08	6.30E-04	1.99E-07	8.43E-08	5.53E-04	1.75E-07	7.41E-08
4525	488863.09, 3858877.25	1.86E-03	5.87E-07	2.49E-07	2.28E-03	7.19E-07	3.05E-07	2.01E-03	6.33E-07	2.69E-07
4526	489363.09, 3858877.25	6.39E-04	2.02E-07	8.56E-08	7.83E-04	2.47E-07	1.05E-07	6.89E-04	2.17E-07	9.22E-08
4527	489863.09, 3858877.25	4.47E-04	1.41E-07	5.99E-08	5.48E-04	1.73E-07	7.34E-08	4.81E-04	1.52E-07	6.45E-08
4528	490363.09, 3858877.25	3.70E-04	1.17E-07	4.96E-08	4.54E-04	1.43E-07	6.08E-08	3.98E-04	1.26E-07	5.33E-08
4529	490863.09, 3858877.25	3.16E-04	9.97E-08	4.23E-08	3.87E-04	1.22E-07	5.18E-08	3.39E-04	1.07E-07	4.54E-08
4530	491363.09, 3858877.25	2.60E-04	8.20E-08	3.48E-08	3.18E-04	1.00E-07	4.26E-08	2.79E-04	8.80E-08	3.74E-08
4531	491863.09, 3858877.25	1.94E-04	6.12E-08	2.60E-08	2.38E-04	7.50E-08	3.18E-08	2.08E-04	6.57E-08	2.79E-08
4532	492363.09, 3858877.25	2.05E-04	6.48E-08	2.75E-08	2.51E-04	7.94E-08	3.37E-08	2.20E-04	6.96E-08	2.95E-08
4533	492863.09, 3858877.25	2.09E-04	6.60E-08	2.80E-08	2.56E-04	8.08E-08	3.43E-08	2.24E-04	7.08E-08	3.00E-08
4534	493363.09, 3858877.25	1.88E-04	5.92E-08	2.51E-08	2.30E-04	7.26E-08	3.08E-08	2.01E-04	6.36E-08	2.70E-08
4535	493863.09, 3858877.25	1.56E-04	4.92E-08	2.09E-08	1.91E-04	6.03E-08	2.56E-08	1.67E-04	5.28E-08	2.24E-08
4536	494363.09, 3858877.25	1.42E-04	4.47E-08	1.90E-08	1.74E-04	5.48E-08	2.32E-08	1.52E-04	4.80E-08	2.04E-08
4537	494863.09, 3858877.25	1.26E-04	3.96E-08	1.68E-08	1.54E-04	4.86E-08	2.06E-08	1.35E-04	4.25E-08	1.80E-08
4538	495363.09, 3858877.25	1.11E-04	3.52E-08	1.49E-08	1.36E-04	4.31E-08	1.83E-08	1.20E-04	3.77E-08	1.60E-08
4539	495863.09, 3858877.25	1.04E-04	3.28E-08	1.39E-08	1.27E-04	4.02E-08	1.71E-08	1.12E-04	3.52E-08	1.49E-08
4540	496363.09, 3858877.25	1.01E-04	3.19E-08	1.35E-08	1.24E-04	3.90E-08	1.66E-08	1.08E-04	3.42E-08	1.45E-08

4541	496863.09, 3858877.25	9.81E-05	3.10E-08	1.31E-08	1.20E-04	3.79E-08	1.61E-08	1.05E-04	3.32E-08	1.41E-08
4542	497363.09, 3858877.25	9.50E-05	3.00E-08	1.27E-08	1.16E-04	3.67E-08	1.56E-08	1.02E-04	3.22E-08	1.37E-08
4543	497863.09, 3858877.25	1.03E-04	3.24E-08	1.38E-08	1.26E-04	3.97E-08	1.68E-08	1.10E-04	3.48E-08	1.48E-08
4544	498363.09, 3858877.25	1.08E-04	3.39E-08	1.44E-08	1.32E-04	4.16E-08	1.76E-08	1.15E-04	3.64E-08	1.55E-08
4545	471363.09, 3859377.25	1.95E-05	6.16E-09	2.61E-09	2.39E-05	7.55E-09	3.20E-09	2.10E-05	6.62E-09	2.81E-09
4546	471863.09, 3859377.25	2.07E-05	6.53E-09	2.77E-09	2.53E-05	8.00E-09	3.39E-09	2.22E-05	7.01E-09	2.97E-09
4547	472363.09, 3859377.25	2.22E-05	7.00E-09	2.97E-09	2.72E-05	8.57E-09	3.64E-09	2.38E-05	7.52E-09	3.19E-09
4548	472863.09, 3859377.25	2.36E-05	7.45E-09	3.16E-09	2.89E-05	9.13E-09	3.87E-09	2.54E-05	8.00E-09	3.40E-09
4549	473363.09, 3859377.25	2.53E-05	7.97E-09	3.38E-09	3.09E-05	9.77E-09	4.14E-09	2.71E-05	8.56E-09	3.63E-09
4550	473863.09, 3859377.25	2.67E-05	8.42E-09	3.57E-09	3.27E-05	1.03E-08	4.38E-09	2.87E-05	9.04E-09	3.84E-09
4551	474363.09, 3859377.25	2.59E-05	8.19E-09	3.47E-09	3.18E-05	1.00E-08	4.26E-09	2.79E-05	8.80E-09	3.73E-09
4552	474863.09, 3859377.25	2.09E-05	6.60E-09	2.80E-09	2.56E-05	8.09E-09	3.43E-09	2.25E-05	7.09E-09	3.01E-09
4553	475363.09, 3859377.25	1.39E-05	4.38E-09	1.86E-09	1.70E-05	5.37E-09	2.28E-09	1.49E-05	4.70E-09	2.00E-09
4554	475863.09, 3859377.25	8.57E-06	2.70E-09	1.15E-09	1.05E-05	3.31E-09	1.41E-09	9.20E-06	2.90E-09	1.23E-09
4555	476363.09, 3859377.25	7.57E-06	2.39E-09	1.01E-09	9.27E-06	2.93E-09	1.24E-09	8.13E-06	2.57E-09	1.09E-09
4556	476863.09, 3859377.25	6.05E-06	1.91E-09	8.11E-10	7.42E-06	2.34E-09	9.93E-10	6.50E-06	2.05E-09	8.71E-10
4557	477363.09, 3859377.25	6.72E-06	2.12E-09	9.00E-10	8.23E-06	2.60E-09	1.10E-09	7.22E-06	2.28E-09	9.67E-10
4558	477863.09, 3859377.25	1.37E-05	4.32E-09	1.83E-09	1.67E-05	5.29E-09	2.24E-09	1.47E-05	4.64E-09	1.97E-09
4559	478363.09, 3859377.25	2.36E-05	7.45E-09	3.16E-09	2.89E-05	9.13E-09	3.87E-09	2.54E-05	8.00E-09	3.40E-09
4560	478863.09, 3859377.25	3.85E-05	1.21E-08	5.15E-09	4.71E-05	1.49E-08	6.31E-09	4.13E-05	1.30E-08	5.53E-09
4561	479363.09, 3859377.25	5.13E-05	1.62E-08	6.87E-09	6.28E-05	1.98E-08	8.41E-09	5.51E-05	1.74E-08	7.38E-09
4562	479863.09, 3859377.25	6.12E-05	1.93E-08	8.20E-09	7.50E-05	2.37E-08	1.00E-08	6.58E-05	2.08E-08	8.81E-09
4563	480363.09, 3859377.25	6.99E-05	2.21E-08	9.36E-09	8.56E-05	2.70E-08	1.15E-08	7.51E-05	2.37E-08	1.01E-08
4564	480863.09, 3859377.25	7.70E-05	2.43E-08	1.03E-08	9.43E-05	2.97E-08	1.26E-08	8.26E-05	2.61E-08	1.11E-08
4565	481363.09, 3859377.25	8.46E-05	2.67E-08	1.13E-08	1.04E-04	3.27E-08	1.39E-08	9.09E-05	2.87E-08	1.22E-08
4566	481863.09, 3859377.25	9.30E-05	2.94E-08	1.25E-08	1.14E-04	3.60E-08	1.53E-08	9.99E-05	3.15E-08	1.34E-08
4567	482363.09, 3859377.25	1.01E-04	3.20E-08	1.36E-08	1.24E-04	3.92E-08	1.66E-08	1.09E-04	3.44E-08	1.46E-08
4568	482863.09, 3859377.25	1.10E-04	3.49E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.19E-04	3.74E-08	1.59E-08
4569	483363.09, 3859377.25	1.18E-04	3.73E-08	1.58E-08	1.45E-04	4.57E-08	1.94E-08	1.27E-04	4.00E-08	1.70E-08
4570	483863.09, 3859377.25	1.20E-04	3.80E-08	1.61E-08	1.48E-04	4.66E-08	1.98E-08	1.29E-04	4.08E-08	1.73E-08
4571	484363.09, 3859377.25	1.30E-04	4.10E-08	1.74E-08	1.59E-04	5.02E-08	2.13E-08	1.40E-04	4.41E-08	1.87E-08
4572	484863.09, 3859377.25	1.40E-04	4.41E-08	1.87E-08	1.71E-04	5.41E-08	2.29E-08	1.50E-04	4.74E-08	2.01E-08
4573	485363.09, 3859377.25	1.50E-04	4.73E-08	2.01E-08	1.84E-04	5.80E-08	2.46E-08	1.61E-04	5.08E-08	2.16E-08
4574	485863.09, 3859377.25	1.60E-04	5.06E-08	2.15E-08	1.96E-04	6.20E-08	2.63E-08	1.72E-04	5.43E-08	2.31E-08
4575	486363.09, 3859377.25	1.71E-04	5.41E-08	2.30E-08	2.10E-04	6.63E-08	2.81E-08	1.84E-04	5.81E-08	2.47E-08
4576	486863.09, 3859377.25	1.81E-04	5.71E-08	2.42E-08	2.22E-04	6.99E-08	2.97E-08	1.94E-04	6.13E-08	2.60E-08
4577	487363.09, 3859377.25	1.92E-04	6.06E-08	2.57E-08	2.35E-04	7.43E-08	3.15E-08	2.06E-04	6.52E-08	2.77E-08
4578	487863.09, 3859377.25	2.11E-04	6.65E-08	2.82E-08	2.58E-04	8.14E-08	3.45E-08	2.26E-04	7.14E-08	3.03E-08
4579	488363.09, 3859377.25	2.29E-04	7.23E-08	3.07E-08	2.81E-04	8.85E-08	3.76E-08	2.46E-04	7.77E-08	3.30E-08
4580	488863.09, 3859377.25	2.41E-04	7.60E-08	3.22E-08	2.95E-04	9.31E-08	3.95E-08	2.59E-04	8.17E-08	3.47E-08
4581	489363.09, 3859377.25	2.44E-04	7.70E-08	3.27E-08	2.99E-04	9.43E-08	4.00E-08	2.62E-04	8.28E-08	3.51E-08
4582	489863.09, 3859377.25	2.36E-04	7.45E-08	3.16E-08	2.89E-04	9.13E-08	3.87E-08	2.54E-04	8.01E-08	3.40E-08
4583	490363.09, 3859377.25	2.29E-04	7.21E-08	3.06E-08	2.80E-04	8.84E-08	3.75E-08	2.46E-04	7.75E-08	3.29E-08
4584	490863.09, 3859377.25	2.16E-04	6.82E-08	2.89E-08	2.65E-04	8.36E-08	3.55E-08	2.32E-04	7.33E-08	3.11E-08
4585	491363.09, 3859377.25	1.86E-04	5.86E-08	2.49E-08	2.28E-04	7.18E-08	3.05E-08	1.99E-04	6.29E-08	2.67E-08
4586	491863.09, 3859377.25	1.96E-04	6.19E-08	2.63E-08	2.40E-04	7.58E-08	3.22E-08	2.11E-04	6.65E-08	2.82E-08
4587	492363.09, 3859377.25	1.87E-04	5.91E-08	2.51E-08	2.29E-04	7.23E-08	3.07E-08	2.01E-04	6.34E-08	2.69E-08
4588	492863.09, 3859377.25	1.78E-04	5.62E-08	2.38E-08	2.18E-04	6.88E-08	2.92E-08	1.91E-04	6.03E-08	2.56E-08
4589	493363.09, 3859377.25	1.64E-04	5.19E-08	2.20E-08	2.01E-04	6.35E-08	2.70E-08	1.76E-04	5.57E-08	2.36E-08
4590	493863.09, 3859377.25	1.55E-04	4.91E-08	2.08E-08	1.90E-04	6.01E-08	2.55E-08	1.67E-04	5.27E-08	2.23E-08
4591	494363.09, 3859377.25	1.45E-04	4.57E-08	1.94E-08	1.77E-04	5.60E-08	2.38E-08	1.55E-04	4.91E-08	2.08E-08
4592	494863.09, 3859377.25	1.29E-04	4.06E-08	1.72E-08	1.58E-04	4.97E-08	2.11E-08	1.38E-04	4.36E-08	1.85E-08
4593	495363.09, 3859377.25	1.22E-04	3.85E-08	1.64E-08	1.50E-04	4.72E-08	2.00E-08	1.31E-04	4.14E-08	1.76E-08
4594	495863.09, 3859377.25	1.13E-04	3.58E-08	1.52E-08	1.39E-04	4.38E-08	1.86E-08	1.22E-04	3.84E-08	1.63E-08
4595	496363.09, 3859377.25	1.10E-04	3.49E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.19E-04	3.74E-08	1.59E-08
4596	496863.09, 3859377.25	1.00E-04	3.16E-08	1.34E-08	1.23E-04	3.88E-08	1.64E-08	1.08E-04	3.40E-08	1.44E-08
4597	497363.09, 3859377.25	1.01E-04	3.20E-08	1.36E-08	1.24E-04	3.92E-08	1.66E-08	1.09E-04	3.44E-08	1.46E-08
4598	497863.09, 3859377.25	1.04E-04	3.30E-08	1.40E-08	1.28E-04	4.04E-08	1.71E-08	1.12E-04	3.54E-08	1.50E-08
4599	498363.09, 3859377.25	1.03E-04	3.27E-08	1.39E-08	1.27E-04	4.00E-08	1.70E-08	1.11E-04	3.51E-08	1.49E-08
4600	471363.09, 3859877.25	1.98E-05	6.25E-09	2.65E-09	2.43E-05	7.66E-09	3.25E-09	2.13E-05	6.71E-09	2.85E-09
4601	471863.09, 3859877.25	2.09E-05	6.61E-09	2.81E-09	2.57E-05	8.10E-09	3.44E-09	2.25E-05	7.10E-09	3.01E-09
4602	472363.09, 3859877.25	2.21E-05	6.97E-09	2.96E-09	2.70E-05	8.53E-09	3.62E-09	2.37E-05	7.48E-09	3.17E-09
4603	472863.09, 3859877.25	2.36E-05	7.44E-09	3.16E-09	2.89E-05	9.11E-09	3.87E-09	2.53E-05	7.99E-09	3.39E-09
4604	473363.09, 3859877.25	2.52E-05	7.95E-09	3.37E-09	3.09E-05	9.74E-09	4.13E-09	2.71E-05	8.54E-09	3.62E-09

4605	473863.09, 3859877.25	2.69E-05	8.47E-09	3.60E-09	3.29E-05	1.04E-08	4.40E-09	2.88E-05	9.10E-09	3.86E-09
4606	474363.09, 3859877.25	2.72E-05	8.59E-09	3.64E-09	3.33E-05	1.05E-08	4.46E-09	2.92E-05	9.22E-09	3.91E-09
4607	474863.09, 3859877.25	2.55E-05	8.06E-09	3.42E-09	3.13E-05	9.87E-09	4.19E-09	2.74E-05	8.65E-09	3.67E-09
4608	475363.09, 3859877.25	1.69E-05	5.35E-09	2.27E-09	2.08E-05	6.55E-09	2.78E-09	1.82E-05	5.74E-09	2.44E-09
4609	475863.09, 3859877.25	8.29E-06	2.62E-09	1.11E-09	1.01E-05	3.20E-09	1.36E-09	8.90E-06	2.81E-09	1.19E-09
4610	476363.09, 3859877.25	4.86E-06	1.54E-09	6.51E-10	5.96E-06	1.88E-09	7.98E-10	5.22E-06	1.65E-09	7.00E-10
4611	476863.09, 3859877.25	5.75E-06	1.81E-09	7.70E-10	7.04E-06	2.22E-09	9.43E-10	6.18E-06	1.95E-09	8.27E-10
4612	477363.09, 3859877.25	6.29E-06	1.98E-09	8.42E-10	7.70E-06	2.43E-09	1.03E-09	6.75E-06	2.13E-09	9.04E-10
4613	477863.09, 3859877.25	1.23E-05	3.87E-09	1.64E-09	1.50E-05	4.74E-09	2.01E-09	1.32E-05	4.16E-09	1.76E-09
4614	478363.09, 3859877.25	2.32E-05	7.33E-09	3.11E-09	2.85E-05	8.98E-09	3.81E-09	2.50E-05	7.88E-09	3.34E-09
4615	478863.09, 3859877.25	3.70E-05	1.17E-08	4.96E-09	4.54E-05	1.43E-08	6.08E-09	3.98E-05	1.26E-08	5.33E-09
4616	479363.09, 3859877.25	4.98E-05	1.57E-08	6.67E-09	6.10E-05	1.93E-08	8.17E-09	5.35E-05	1.69E-08	7.16E-09
4617	479863.09, 3859877.25	5.80E-05	1.83E-08	7.77E-09	7.10E-05	2.24E-08	9.51E-09	6.23E-05	1.97E-08	8.34E-09
4618	480363.09, 3859877.25	6.44E-05	2.03E-08	8.63E-09	7.89E-05	2.49E-08	1.06E-08	6.92E-05	2.18E-08	9.27E-09
4619	480863.09, 3859877.25	6.99E-05	2.21E-08	9.36E-09	8.57E-05	2.70E-08	1.15E-08	7.51E-05	2.37E-08	1.01E-08
4620	481363.09, 3859877.25	7.60E-05	2.40E-08	1.02E-08	9.30E-05	2.94E-08	1.25E-08	8.15E-05	2.57E-08	1.09E-08
4621	481863.09, 3859877.25	8.21E-05	2.59E-08	1.10E-08	1.01E-04	3.17E-08	1.35E-08	8.81E-05	2.78E-08	1.18E-08
4622	482363.09, 3859877.25	8.81E-05	2.78E-08	1.18E-08	1.08E-04	3.41E-08	1.45E-08	9.46E-05	2.99E-08	1.27E-08
4623	482863.09, 3859877.25	9.49E-05	2.99E-08	1.27E-08	1.16E-04	3.67E-08	1.56E-08	1.02E-04	3.22E-08	1.36E-08
4624	483363.09, 3859877.25	1.02E-04	3.20E-08	1.36E-08	1.24E-04	3.92E-08	1.67E-08	1.09E-04	3.44E-08	1.46E-08
4625	483863.09, 3859877.25	1.03E-04	3.25E-08	1.38E-08	1.26E-04	3.98E-08	1.69E-08	1.11E-04	3.49E-08	1.48E-08
4626	484363.09, 3859877.25	1.08E-04	3.40E-08	1.44E-08	1.32E-04	4.17E-08	1.77E-08	1.16E-04	3.66E-08	1.55E-08
4627	484863.09, 3859877.25	1.14E-04	3.61E-08	1.53E-08	1.40E-04	4.42E-08	1.88E-08	1.23E-04	3.88E-08	1.65E-08
4628	485363.09, 3859877.25	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.67E-08	1.98E-08	1.30E-04	4.10E-08	1.74E-08
4629	485863.09, 3859877.25	1.27E-04	4.00E-08	1.70E-08	1.55E-04	4.90E-08	2.08E-08	1.36E-04	4.29E-08	1.82E-08
4630	486363.09, 3859877.25	1.31E-04	4.14E-08	1.76E-08	1.61E-04	5.07E-08	2.15E-08	1.41E-04	4.45E-08	1.89E-08
4631	486863.09, 3859877.25	1.36E-04	4.29E-08	1.82E-08	1.66E-04	5.25E-08	2.23E-08	1.46E-04	4.61E-08	1.95E-08
4632	487363.09, 3859877.25	1.38E-04	4.35E-08	1.85E-08	1.69E-04	5.33E-08	2.26E-08	1.48E-04	4.68E-08	1.99E-08
4633	487863.09, 3859877.25	1.47E-04	4.63E-08	1.96E-08	1.80E-04	5.67E-08	2.41E-08	1.58E-04	4.97E-08	2.11E-08
4634	488363.09, 3859877.25	1.48E-04	4.67E-08	1.98E-08	1.81E-04	5.72E-08	2.43E-08	1.59E-04	5.02E-08	2.13E-08
4635	488863.09, 3859877.25	1.52E-04	4.80E-08	2.04E-08	1.86E-04	5.88E-08	2.49E-08	1.63E-04	5.16E-08	2.19E-08
4636	489363.09, 3859877.25	1.57E-04	4.94E-08	2.10E-08	1.92E-04	6.05E-08	2.57E-08	1.68E-04	5.31E-08	2.25E-08
4637	489863.09, 3859877.25	1.57E-04	4.97E-08	2.11E-08	1.93E-04	6.08E-08	2.58E-08	1.69E-04	5.33E-08	2.26E-08
4638	490363.09, 3859877.25	1.48E-04	4.67E-08	1.98E-08	1.81E-04	5.72E-08	2.43E-08	1.59E-04	5.01E-08	2.13E-08
4639	490863.09, 3859877.25	1.49E-04	4.70E-08	1.99E-08	1.82E-04	5.76E-08	2.44E-08	1.60E-04	5.05E-08	2.14E-08
4640	491363.09, 3859877.25	1.48E-04	4.69E-08	1.99E-08	1.82E-04	5.74E-08	2.44E-08	1.59E-04	5.03E-08	2.14E-08
4641	491863.09, 3859877.25	1.48E-04	4.69E-08	1.99E-08	1.82E-04	5.74E-08	2.43E-08	1.59E-04	5.03E-08	2.13E-08
4642	492363.09, 3859877.25	1.47E-04	4.64E-08	1.97E-08	1.80E-04	5.68E-08	2.41E-08	1.58E-04	4.98E-08	2.11E-08
4643	492863.09, 3859877.25	1.44E-04	4.54E-08	1.93E-08	1.76E-04	5.56E-08	2.36E-08	1.54E-04	4.87E-08	2.07E-08
4644	493363.09, 3859877.25	1.39E-04	4.39E-08	1.86E-08	1.70E-04	5.37E-08	2.28E-08	1.49E-04	4.71E-08	2.00E-08
4645	493863.09, 3859877.25	1.33E-04	4.21E-08	1.79E-08	1.63E-04	5.16E-08	2.19E-08	1.43E-04	4.52E-08	1.92E-08
4646	494363.09, 3859877.25	1.27E-04	4.01E-08	1.70E-08	1.56E-04	4.91E-08	2.08E-08	1.36E-04	4.30E-08	1.83E-08
4647	494863.09, 3859877.25	1.22E-04	3.84E-08	1.63E-08	1.49E-04	4.70E-08	1.99E-08	1.31E-04	4.12E-08	1.75E-08
4648	495363.09, 3859877.25	1.16E-04	3.66E-08	1.55E-08	1.42E-04	4.48E-08	1.90E-08	1.24E-04	3.93E-08	1.67E-08
4649	495863.09, 3859877.25	1.10E-04	3.48E-08	1.48E-08	1.35E-04	4.26E-08	1.81E-08	1.18E-04	3.73E-08	1.58E-08
4650	496363.09, 3859877.25	1.02E-04	3.23E-08	1.37E-08	1.25E-04	3.95E-08	1.68E-08	1.10E-04	3.46E-08	1.47E-08
4651	496863.09, 3859877.25	8.24E-05	2.60E-08	1.10E-08	1.01E-04	3.19E-08	1.35E-08	8.85E-05	2.79E-08	1.18E-08
4652	497363.09, 3859877.25	9.27E-05	2.93E-08	1.24E-08	1.14E-04	3.58E-08	1.52E-08	9.95E-05	3.14E-08	1.33E-08
4653	497863.09, 3859877.25	9.58E-05	3.02E-08	1.28E-08	1.17E-04	3.70E-08	1.57E-08	1.03E-04	3.25E-08	1.38E-08
4654	498363.09, 3859877.25	9.25E-05	2.92E-08	1.24E-08	1.13E-04	3.57E-08	1.52E-08	9.92E-05	3.13E-08	1.33E-08
4655	471363.09, 3860377.25	1.99E-05	6.27E-09	2.66E-09	2.43E-05	7.68E-09	3.26E-09	2.13E-05	6.74E-09	2.86E-09
4656	471863.09, 3860377.25	2.10E-05	6.62E-09	2.81E-09	2.57E-05	8.11E-09	3.44E-09	2.25E-05	7.11E-09	3.02E-09
4657	472363.09, 3860377.25	2.23E-05	7.02E-09	2.98E-09	2.73E-05	8.60E-09	3.65E-09	2.39E-05	7.55E-09	3.20E-09
4658	472863.09, 3860377.25	2.37E-05	7.49E-09	3.18E-09	2.91E-05	9.18E-09	3.89E-09	2.55E-05	8.05E-09	3.41E-09
4659	473363.09, 3860377.25	2.52E-05	7.97E-09	3.38E-09	3.09E-05	9.76E-09	4.14E-09	2.71E-05	8.56E-09	3.63E-09
4660	473863.09, 3860377.25	2.67E-05	8.42E-09	3.57E-09	3.27E-05	1.03E-08	4.38E-09	2.87E-05	9.05E-09	3.84E-09
4661	474363.09, 3860377.25	2.78E-05	8.77E-09	3.72E-09	3.40E-05	1.07E-08	4.56E-09	2.98E-05	9.42E-09	4.00E-09
4662	474863.09, 3860377.25	2.82E-05	8.89E-09	3.77E-09	3.45E-05	1.09E-08	4.62E-09	3.03E-05	9.55E-09	4.05E-09
4663	475363.09, 3860377.25	2.65E-05	8.38E-09	3.55E-09	3.25E-05	1.03E-08	4.35E-09	2.85E-05	9.00E-09	3.82E-09
4664	475863.09, 3860377.25	2.33E-05	7.36E-09	3.12E-09	2.85E-05	9.01E-09	3.82E-09	2.50E-05	7.90E-09	3.35E-09
4665	476363.09, 3860377.25	1.87E-05	5.92E-09	2.51E-09	2.30E-05	7.25E-09	3.07E-09	2.01E-05	6.36E-09	2.70E-09
4666	476863.09, 3860377.25	1.71E-05	5.38E-09	2.28E-09	2.09E-05	6.59E-09	2.80E-09	1.83E-05	5.78E-09	2.45E-09
4667	477363.09, 3860377.25	9.92E-06	3.13E-09	1.33E-09	1.22E-05	3.84E-09	1.63E-09	1.07E-05	3.36E-09	1.43E-09
4668	477863.09, 3860377.25	1.30E-05	4.10E-09	1.74E-09	1.59E-05	5.03E-09	2.13E-09	1.40E-05	4.41E-09	1.87E-09

4669	478363.09, 3860377.25	2.54E-05	8.01E-09	3.40E-09	3.11E-05	9.82E-09	4.17E-09	2.73E-05	8.61E-09	3.65E-09
4670	478863.09, 3860377.25	3.64E-05	1.15E-08	4.88E-09	4.46E-05	1.41E-08	5.97E-09	3.91E-05	1.23E-08	5.24E-09
4671	479363.09, 3860377.25	4.67E-05	1.48E-08	6.26E-09	5.72E-05	1.81E-08	7.67E-09	5.02E-05	1.58E-08	6.72E-09
4672	479863.09, 3860377.25	5.39E-05	1.70E-08	7.22E-09	6.60E-05	2.08E-08	8.84E-09	5.79E-05	1.83E-08	7.75E-09
4673	480363.09, 3860377.25	5.87E-05	1.85E-08	7.85E-09	7.18E-05	2.27E-08	9.62E-09	6.30E-05	1.99E-08	8.43E-09
4674	480863.09, 3860377.25	6.31E-05	1.99E-08	8.44E-09	7.72E-05	2.44E-08	1.03E-08	6.77E-05	2.14E-08	9.06E-09
4675	481363.09, 3860377.25	6.78E-05	2.14E-08	9.07E-09	8.30E-05	2.62E-08	1.11E-08	7.27E-05	2.30E-08	9.74E-09
4676	481863.09, 3860377.25	7.23E-05	2.28E-08	9.68E-09	8.85E-05	2.79E-08	1.19E-08	7.76E-05	2.45E-08	1.04E-08
4677	482363.09, 3860377.25	7.69E-05	2.43E-08	1.03E-08	9.42E-05	2.97E-08	1.26E-08	8.26E-05	2.61E-08	1.11E-08
4678	482863.09, 3860377.25	8.22E-05	2.59E-08	1.10E-08	1.01E-04	3.18E-08	1.35E-08	8.83E-05	2.79E-08	1.18E-08
4679	483363.09, 3860377.25	8.66E-05	2.73E-08	1.16E-08	1.06E-04	3.35E-08	1.42E-08	9.30E-05	2.94E-08	1.25E-08
4680	483863.09, 3860377.25	9.16E-05	2.89E-08	1.23E-08	1.12E-04	3.54E-08	1.50E-08	9.84E-05	3.11E-08	1.32E-08
4681	484363.09, 3860377.25	9.20E-05	2.90E-08	1.23E-08	1.13E-04	3.56E-08	1.51E-08	9.89E-05	3.12E-08	1.32E-08
4682	484863.09, 3860377.25	9.57E-05	3.02E-08	1.28E-08	1.17E-04	3.70E-08	1.57E-08	1.03E-04	3.24E-08	1.38E-08
4683	485363.09, 3860377.25	9.89E-05	3.12E-08	1.32E-08	1.21E-04	3.82E-08	1.62E-08	1.06E-04	3.35E-08	1.42E-08
4684	485863.09, 3860377.25	1.02E-04	3.22E-08	1.37E-08	1.25E-04	3.94E-08	1.67E-08	1.10E-04	3.46E-08	1.47E-08
4685	486363.09, 3860377.25	1.03E-04	3.26E-08	1.38E-08	1.27E-04	4.00E-08	1.70E-08	1.11E-04	3.50E-08	1.49E-08
4686	486863.09, 3860377.25	1.05E-04	3.30E-08	1.40E-08	1.28E-04	4.05E-08	1.72E-08	1.12E-04	3.55E-08	1.51E-08
4687	487363.09, 3860377.25	1.05E-04	3.33E-08	1.41E-08	1.29E-04	4.08E-08	1.73E-08	1.13E-04	3.58E-08	1.52E-08
4688	487863.09, 3860377.25	1.08E-04	3.42E-08	1.45E-08	1.33E-04	4.19E-08	1.78E-08	1.17E-04	3.68E-08	1.56E-08
4689	488363.09, 3860377.25	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.22E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
4690	488863.09, 3860377.25	1.10E-04	3.48E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.19E-04	3.74E-08	1.59E-08
4691	489363.09, 3860377.25	1.13E-04	3.55E-08	1.51E-08	1.38E-04	4.35E-08	1.85E-08	1.21E-04	3.82E-08	1.62E-08
4692	489863.09, 3860377.25	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.47E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
4693	490363.09, 3860377.25	1.15E-04	3.64E-08	1.54E-08	1.41E-04	4.46E-08	1.89E-08	1.24E-04	3.91E-08	1.66E-08
4694	490863.09, 3860377.25	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.22E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
4695	491363.09, 3860377.25	1.05E-04	3.30E-08	1.40E-08	1.28E-04	4.05E-08	1.72E-08	1.12E-04	3.55E-08	1.51E-08
4696	491863.09, 3860377.25	1.06E-04	3.33E-08	1.41E-08	1.29E-04	4.08E-08	1.73E-08	1.13E-04	3.58E-08	1.52E-08
4697	492363.09, 3860377.25	1.09E-04	3.44E-08	1.46E-08	1.33E-04	4.21E-08	1.79E-08	1.17E-04	3.69E-08	1.57E-08
4698	492863.09, 3860377.25	1.10E-04	3.46E-08	1.47E-08	1.34E-04	4.23E-08	1.80E-08	1.18E-04	3.71E-08	1.57E-08
4699	493363.09, 3860377.25	1.11E-04	3.50E-08	1.48E-08	1.36E-04	4.29E-08	1.82E-08	1.19E-04	3.76E-08	1.59E-08
4700	493863.09, 3860377.25	1.09E-04	3.43E-08	1.46E-08	1.33E-04	4.20E-08	1.78E-08	1.17E-04	3.68E-08	1.56E-08
4701	494363.09, 3860377.25	1.07E-04	3.37E-08	1.43E-08	1.31E-04	4.13E-08	1.75E-08	1.15E-04	3.62E-08	1.53E-08
4702	494863.09, 3860377.25	1.03E-04	3.25E-08	1.38E-08	1.26E-04	3.98E-08	1.69E-08	1.11E-04	3.49E-08	1.48E-08
4703	495363.09, 3860377.25	9.99E-05	3.15E-08	1.34E-08	1.22E-04	3.86E-08	1.64E-08	1.07E-04	3.38E-08	1.44E-08
4704	495863.09, 3860377.25	9.64E-05	3.04E-08	1.29E-08	1.18E-04	3.73E-08	1.58E-08	1.03E-04	3.27E-08	1.39E-08
4705	496363.09, 3860377.25	9.18E-05	2.90E-08	1.23E-08	1.12E-04	3.55E-08	1.51E-08	9.85E-05	3.11E-08	1.32E-08
4706	496863.09, 3860377.25	8.65E-05	2.73E-08	1.16E-08	1.06E-04	3.34E-08	1.42E-08	9.29E-05	2.93E-08	1.24E-08
4707	497363.09, 3860377.25	7.95E-05	2.51E-08	1.06E-08	9.74E-05	3.07E-08	1.30E-08	8.53E-05	2.69E-08	1.14E-08
4708	497863.09, 3860377.25	8.33E-05	2.63E-08	1.12E-08	1.02E-04	3.22E-08	1.37E-08	8.94E-05	2.82E-08	1.20E-08
4709	498363.09, 3860377.25	8.17E-05	2.58E-08	1.09E-08	1.00E-04	3.16E-08	1.34E-08	8.77E-05	2.77E-08	1.17E-08
4710	471363.09, 3860877.25	1.99E-05	6.29E-09	2.67E-09	2.44E-05	7.71E-09	3.27E-09	2.14E-05	6.76E-09	2.87E-09
4711	471863.09, 3860877.25	2.11E-05	6.65E-09	2.82E-09	2.58E-05	8.15E-09	3.46E-09	2.26E-05	7.15E-09	3.03E-09
4712	472363.09, 3860877.25	2.23E-05	7.03E-09	2.98E-09	2.73E-05	8.61E-09	3.65E-09	2.39E-05	7.55E-09	3.20E-09
4713	472863.09, 3860877.25	2.35E-05	7.43E-09	3.15E-09	2.88E-05	9.10E-09	3.86E-09	2.53E-05	7.98E-09	3.39E-09
4714	473363.09, 3860877.25	2.48E-05	7.82E-09	3.32E-09	3.03E-05	9.58E-09	4.06E-09	2.66E-05	8.40E-09	3.56E-09
4715	473863.09, 3860877.25	2.59E-05	8.18E-09	3.47E-09	3.17E-05	1.00E-08	4.25E-09	2.78E-05	8.78E-09	3.73E-09
4716	474363.09, 3860877.25	2.71E-05	8.54E-09	3.62E-09	3.31E-05	1.05E-08	4.44E-09	2.91E-05	9.17E-09	3.89E-09
4717	474863.09, 3860877.25	2.83E-05	8.94E-09	3.79E-09	3.47E-05	1.09E-08	4.65E-09	3.04E-05	9.61E-09	4.08E-09
4718	475363.09, 3860877.25	2.91E-05	9.20E-09	3.90E-09	3.57E-05	1.13E-08	4.78E-09	3.13E-05	9.89E-09	4.19E-09
4719	475863.09, 3860877.25	2.93E-05	9.23E-09	3.92E-09	3.58E-05	1.13E-08	4.80E-09	3.14E-05	9.92E-09	4.21E-09
4720	476363.09, 3860877.25	2.81E-05	8.86E-09	3.76E-09	3.44E-05	1.08E-08	4.60E-09	3.01E-05	9.51E-09	4.04E-09
4721	476863.09, 3860877.25	2.78E-05	8.78E-09	3.72E-09	3.41E-05	1.08E-08	4.56E-09	2.99E-05	9.43E-09	4.00E-09
4722	477363.09, 3860877.25	2.90E-05	9.15E-09	3.88E-09	3.55E-05	1.12E-08	4.76E-09	3.11E-05	9.83E-09	4.17E-09
4723	477863.09, 3860877.25	2.61E-05	8.22E-09	3.49E-09	3.19E-05	1.01E-08	4.27E-09	2.80E-05	8.83E-09	3.75E-09
4724	478363.09, 3860877.25	1.58E-05	4.98E-09	2.11E-09	1.93E-05	6.10E-09	2.59E-09	1.70E-05	5.35E-09	2.27E-09
4725	478863.09, 3860877.25	3.36E-05	1.06E-08	4.50E-09	4.12E-05	1.30E-08	5.51E-09	3.61E-05	1.14E-08	4.84E-09
4726	479363.09, 3860877.25	4.37E-05	1.38E-08	5.85E-09	5.35E-05	1.69E-08	7.17E-09	4.69E-05	1.48E-08	6.28E-09
4727	479863.09, 3860877.25	4.95E-05	1.56E-08	6.63E-09	6.06E-05	1.91E-08	8.12E-09	5.31E-05	1.68E-08	7.11E-09
4728	480363.09, 3860877.25	5.33E-05	1.68E-08	7.14E-09	6.53E-05	2.06E-08	8.74E-09	5.72E-05	1.81E-08	7.66E-09
4729	480863.09, 3860877.25	5.70E-05	1.80E-08	7.63E-09	6.98E-05	2.20E-08	9.35E-09	6.12E-05	1.93E-08	8.19E-09
4730	481363.09, 3860877.25	6.05E-05	1.91E-08	8.11E-09	7.42E-05	2.34E-08	9.93E-09	6.50E-05	2.05E-08	8.71E-09
4731	481863.09, 3860877.25	6.40E-05	2.02E-08	8.57E-09	7.84E-05	2.47E-08	1.05E-08	6.87E-05	2.17E-08	9.21E-09
4732	482363.09, 3860877.25	6.75E-05	2.13E-08	9.03E-09	8.26E-05	2.61E-08	1.11E-08	7.25E-05	2.29E-08	9.71E-09

4733	482863.09, 3860877.25	7.16E-05	2.26E-08	9.59E-09	8.77E-05	2.77E-08	1.17E-08	7.70E-05	2.43E-08	1.03E-08
4734	483363.09, 3860877.25	7.54E-05	2.38E-08	1.01E-08	9.24E-05	2.92E-08	1.24E-08	8.11E-05	2.56E-08	1.09E-08
4735	483863.09, 3860877.25	7.89E-05	2.49E-08	1.06E-08	9.66E-05	3.05E-08	1.29E-08	8.48E-05	2.68E-08	1.14E-08
4736	484363.09, 3860877.25	8.06E-05	2.54E-08	1.08E-08	9.87E-05	3.12E-08	1.32E-08	8.66E-05	2.73E-08	1.16E-08
4737	484863.09, 3860877.25	8.04E-05	2.54E-08	1.08E-08	9.85E-05	3.11E-08	1.32E-08	8.64E-05	2.73E-08	1.16E-08
4738	485363.09, 3860877.25	8.25E-05	2.60E-08	1.10E-08	1.01E-04	3.19E-08	1.35E-08	8.86E-05	2.79E-08	1.19E-08
4739	485863.09, 3860877.25	8.52E-05	2.69E-08	1.14E-08	1.04E-04	3.29E-08	1.40E-08	9.15E-05	2.89E-08	1.23E-08
4740	486363.09, 3860877.25	8.49E-05	2.68E-08	1.14E-08	1.04E-04	3.28E-08	1.39E-08	9.12E-05	2.88E-08	1.22E-08
4741	486863.09, 3860877.25	8.51E-05	2.69E-08	1.14E-08	1.04E-04	3.29E-08	1.40E-08	9.14E-05	2.89E-08	1.22E-08
4742	487363.09, 3860877.25	8.47E-05	2.67E-08	1.13E-08	1.04E-04	3.27E-08	1.39E-08	9.10E-05	2.87E-08	1.22E-08
4743	487863.09, 3860877.25	8.44E-05	2.66E-08	1.13E-08	1.03E-04	3.26E-08	1.38E-08	9.06E-05	2.86E-08	1.21E-08
4744	488363.09, 3860877.25	8.72E-05	2.75E-08	1.17E-08	1.07E-04	3.37E-08	1.43E-08	9.37E-05	2.96E-08	1.25E-08
4745	488863.09, 3860877.25	8.56E-05	2.70E-08	1.15E-08	1.05E-04	3.31E-08	1.40E-08	9.19E-05	2.90E-08	1.23E-08
4746	489363.09, 3860877.25	8.87E-05	2.80E-08	1.19E-08	1.09E-04	3.43E-08	1.46E-08	9.53E-05	3.01E-08	1.28E-08
4747	489863.09, 3860877.25	8.76E-05	2.77E-08	1.17E-08	1.07E-04	3.39E-08	1.44E-08	9.41E-05	2.97E-08	1.26E-08
4748	490363.09, 3860877.25	8.92E-05	2.81E-08	1.19E-08	1.09E-04	3.45E-08	1.46E-08	9.58E-05	3.02E-08	1.28E-08
4749	490863.09, 3860877.25	8.99E-05	2.84E-08	1.20E-08	1.10E-04	3.48E-08	1.47E-08	9.65E-05	3.05E-08	1.29E-08
4750	491363.09, 3860877.25	8.61E-05	2.72E-08	1.15E-08	1.06E-04	3.33E-08	1.41E-08	9.25E-05	2.92E-08	1.24E-08
4751	491863.09, 3860877.25	8.24E-05	2.60E-08	1.10E-08	1.01E-04	3.19E-08	1.35E-08	8.85E-05	2.79E-08	1.19E-08
4752	492363.09, 3860877.25	8.01E-05	2.53E-08	1.07E-08	9.81E-05	3.10E-08	1.31E-08	8.60E-05	2.72E-08	1.15E-08
4753	492863.09, 3860877.25	8.17E-05	2.58E-08	1.09E-08	1.00E-04	3.16E-08	1.34E-08	8.77E-05	2.77E-08	1.17E-08
4754	493363.09, 3860877.25	8.48E-05	2.68E-08	1.14E-08	1.04E-04	3.28E-08	1.39E-08	9.10E-05	2.87E-08	1.22E-08
4755	493863.09, 3860877.25	8.55E-05	2.70E-08	1.15E-08	1.05E-04	3.31E-08	1.40E-08	9.18E-05	2.90E-08	1.23E-08
4756	494363.09, 3860877.25	8.57E-05	2.70E-08	1.15E-08	1.05E-04	3.31E-08	1.41E-08	9.20E-05	2.90E-08	1.23E-08
4757	494863.09, 3860877.25	8.54E-05	2.70E-08	1.14E-08	1.05E-04	3.30E-08	1.40E-08	9.17E-05	2.89E-08	1.23E-08
4758	495363.09, 3860877.25	8.42E-05	2.66E-08	1.13E-08	1.03E-04	3.25E-08	1.38E-08	9.04E-05	2.85E-08	1.21E-08
4759	495863.09, 3860877.25	8.19E-05	2.59E-08	1.10E-08	1.00E-04	3.17E-08	1.34E-08	8.79E-05	2.78E-08	1.18E-08
4760	496363.09, 3860877.25	8.05E-05	2.54E-08	1.08E-08	9.86E-05	3.11E-08	1.32E-08	8.64E-05	2.73E-08	1.16E-08
4761	496863.09, 3860877.25	7.85E-05	2.48E-08	1.05E-08	9.62E-05	3.04E-08	1.29E-08	8.43E-05	2.66E-08	1.13E-08
4762	497363.09, 3860877.25	7.62E-05	2.41E-08	1.02E-08	9.34E-05	2.95E-08	1.25E-08	8.18E-05	2.58E-08	1.10E-08
4763	497863.09, 3860877.25	7.41E-05	2.34E-08	9.92E-09	9.07E-05	2.86E-08	1.21E-08	7.95E-05	2.51E-08	1.06E-08
4764	498363.09, 3860877.25	7.19E-05	2.27E-08	9.63E-09	8.81E-05	2.78E-08	1.18E-08	7.72E-05	2.44E-08	1.03E-08
4765	471363.09, 3861377.25	1.99E-05	6.27E-09	2.66E-09	2.43E-05	7.68E-09	3.26E-09	2.13E-05	6.73E-09	2.86E-09
4766	471863.09, 3861377.25	2.09E-05	6.60E-09	2.80E-09	2.56E-05	8.08E-09	3.43E-09	2.24E-05	7.08E-09	3.01E-09
4767	472363.09, 3861377.25	2.19E-05	6.92E-09	2.93E-09	2.68E-05	8.47E-09	3.59E-09	2.35E-05	7.43E-09	3.15E-09
4768	472863.09, 3861377.25	2.30E-05	7.25E-09	3.08E-09	2.81E-05	8.88E-09	3.77E-09	2.47E-05	7.79E-09	3.30E-09
4769	473363.09, 3861377.25	2.40E-05	7.56E-09	3.21E-09	2.93E-05	9.26E-09	3.93E-09	2.57E-05	8.12E-09	3.45E-09
4770	473863.09, 3861377.25	2.49E-05	7.87E-09	3.34E-09	3.06E-05	9.64E-09	4.09E-09	2.68E-05	8.46E-09	3.59E-09
4771	474363.09, 3861377.25	2.61E-05	8.25E-09	3.50E-09	3.20E-05	1.01E-08	4.29E-09	2.81E-05	8.86E-09	3.76E-09
4772	474863.09, 3861377.25	2.73E-05	8.63E-09	3.66E-09	3.35E-05	1.06E-08	4.48E-09	2.94E-05	9.27E-09	3.93E-09
4773	475363.09, 3861377.25	2.87E-05	9.06E-09	3.84E-09	3.52E-05	1.11E-08	4.71E-09	3.08E-05	9.73E-09	4.13E-09
4774	475863.09, 3861377.25	2.99E-05	9.43E-09	4.00E-09	3.66E-05	1.16E-08	4.90E-09	3.21E-05	1.01E-08	4.30E-09
4775	476363.09, 3861377.25	3.08E-05	9.71E-09	4.12E-09	3.77E-05	1.19E-08	5.05E-09	3.30E-05	1.04E-08	4.43E-09
4776	476863.09, 3861377.25	3.16E-05	9.98E-09	4.24E-09	3.87E-05	1.22E-08	5.19E-09	3.40E-05	1.07E-08	4.55E-09
4777	477363.09, 3861377.25	3.25E-05	1.03E-08	4.35E-09	3.98E-05	1.26E-08	5.33E-09	3.49E-05	1.10E-08	4.67E-09
4778	477863.09, 3861377.25	2.97E-05	9.38E-09	3.98E-09	3.64E-05	1.15E-08	4.87E-09	3.19E-05	1.01E-08	4.27E-09
4779	478363.09, 3861377.25	1.94E-05	6.11E-09	2.59E-09	2.37E-05	7.48E-09	3.18E-09	2.08E-05	6.56E-09	2.79E-09
4780	478863.09, 3861377.25	2.44E-05	7.71E-09	3.27E-09	2.99E-05	9.45E-09	4.01E-09	2.62E-05	8.28E-09	3.51E-09
4781	479363.09, 3861377.25	3.96E-05	1.25E-08	5.30E-09	4.85E-05	1.53E-08	6.49E-09	4.25E-05	1.34E-08	5.69E-09
4782	479863.09, 3861377.25	4.52E-05	1.43E-08	6.05E-09	5.53E-05	1.75E-08	7.41E-09	4.85E-05	1.53E-08	6.49E-09
4783	480363.09, 3861377.25	4.87E-05	1.54E-08	6.52E-09	5.96E-05	1.88E-08	7.98E-09	5.23E-05	1.65E-08	7.00E-09
4784	480863.09, 3861377.25	5.14E-05	1.62E-08	6.88E-09	6.29E-05	1.99E-08	8.42E-09	5.52E-05	1.74E-08	7.39E-09
4785	481363.09, 3861377.25	5.40E-05	1.70E-08	7.23E-09	6.62E-05	2.09E-08	8.86E-09	5.80E-05	1.83E-08	7.77E-09
4786	481863.09, 3861377.25	5.68E-05	1.79E-08	7.60E-09	6.95E-05	2.19E-08	9.31E-09	6.10E-05	1.92E-08	8.17E-09
4787	482363.09, 3861377.25	5.99E-05	1.89E-08	8.02E-09	7.33E-05	2.31E-08	9.82E-09	6.43E-05	2.03E-08	8.61E-09
4788	482863.09, 3861377.25	6.30E-05	1.99E-08	8.44E-09	7.72E-05	2.44E-08	1.03E-08	6.77E-05	2.14E-08	9.07E-09
4789	483363.09, 3861377.25	6.58E-05	2.08E-08	8.81E-09	8.05E-05	2.54E-08	1.08E-08	7.07E-05	2.23E-08	9.46E-09
4790	483863.09, 3861377.25	6.81E-05	2.15E-08	9.11E-09	8.33E-05	2.63E-08	1.12E-08	7.31E-05	2.31E-08	9.79E-09
4791	484363.09, 3861377.25	7.05E-05	2.22E-08	9.44E-09	8.63E-05	2.72E-08	1.16E-08	7.57E-05	2.39E-08	1.01E-08
4792	484863.09, 3861377.25	7.02E-05	2.21E-08	9.40E-09	8.59E-05	2.71E-08	1.15E-08	7.54E-05	2.38E-08	1.01E-08
4793	485363.09, 3861377.25	6.98E-05	2.20E-08	9.35E-09	8.55E-05	2.70E-08	1.14E-08	7.50E-05	2.37E-08	1.00E-08
4794	485863.09, 3861377.25	7.09E-05	2.24E-08	9.49E-09	8.68E-05	2.74E-08	1.16E-08	7.61E-05	2.40E-08	1.02E-08
4795	486363.09, 3861377.25	7.13E-05	2.25E-08	9.55E-09	8.74E-05	2.76E-08	1.17E-08	7.66E-05	2.42E-08	1.03E-08
4796	486863.09, 3861377.25	7.12E-05	2.25E-08	9.53E-09	8.72E-05	2.75E-08	1.17E-08	7.65E-05	2.41E-08	1.02E-08

4797	487363.09, 3861377.25	7.02E-05	2.22E-08	9.40E-09	8.60E-05	2.71E-08	1.15E-08	7.54E-05	2.38E-08	1.01E-08
4798	487863.09, 3861377.25	6.97E-05	2.20E-08	9.34E-09	8.54E-05	2.70E-08	1.14E-08	7.49E-05	2.37E-08	1.00E-08
4799	488363.09, 3861377.25	6.93E-05	2.19E-08	9.27E-09	8.48E-05	2.68E-08	1.14E-08	7.44E-05	2.35E-08	9.96E-09
4800	488863.09, 3861377.25	6.94E-05	2.19E-08	9.29E-09	8.49E-05	2.68E-08	1.14E-08	7.45E-05	2.35E-08	9.98E-09
4801	489363.09, 3861377.25	6.99E-05	2.21E-08	9.36E-09	8.56E-05	2.70E-08	1.15E-08	7.51E-05	2.37E-08	1.01E-08
4802	489863.09, 3861377.25	7.11E-05	2.24E-08	9.52E-09	8.70E-05	2.75E-08	1.17E-08	7.63E-05	2.41E-08	1.02E-08
4803	490363.09, 3861377.25	7.15E-05	2.26E-08	9.58E-09	8.76E-05	2.77E-08	1.17E-08	7.68E-05	2.42E-08	1.03E-08
4804	490863.09, 3861377.25	7.22E-05	2.28E-08	9.66E-09	8.84E-05	2.79E-08	1.18E-08	7.75E-05	2.45E-08	1.04E-08
4805	491363.09, 3861377.25	7.29E-05	2.30E-08	9.77E-09	8.93E-05	2.82E-08	1.20E-08	7.83E-05	2.47E-08	1.05E-08
4806	491863.09, 3861377.25	7.07E-05	2.23E-08	9.47E-09	8.66E-05	2.73E-08	1.16E-08	7.60E-05	2.40E-08	1.02E-08
4807	492363.09, 3861377.25	6.74E-05	2.13E-08	9.02E-09	8.25E-05	2.60E-08	1.10E-08	7.23E-05	2.28E-08	9.68E-09
4808	492863.09, 3861377.25	6.55E-05	2.07E-08	8.77E-09	8.02E-05	2.53E-08	1.07E-08	7.03E-05	2.22E-08	9.42E-09
4809	493363.09, 3861377.25	6.57E-05	2.07E-08	8.80E-09	8.05E-05	2.54E-08	1.08E-08	7.06E-05	2.23E-08	9.45E-09
4810	493863.09, 3861377.25	6.66E-05	2.10E-08	8.92E-09	8.16E-05	2.58E-08	1.09E-08	7.15E-05	2.26E-08	9.58E-09
4811	494363.09, 3861377.25	6.78E-05	2.14E-08	9.07E-09	8.30E-05	2.62E-08	1.11E-08	7.27E-05	2.30E-08	9.74E-09
4812	494863.09, 3861377.25	6.87E-05	2.17E-08	9.20E-09	8.41E-05	2.66E-08	1.13E-08	7.38E-05	2.33E-08	9.88E-09
4813	495363.09, 3861377.25	6.89E-05	2.17E-08	9.22E-09	8.43E-05	2.66E-08	1.13E-08	7.39E-05	2.33E-08	9.90E-09
4814	495863.09, 3861377.25	6.80E-05	2.15E-08	9.11E-09	8.33E-05	2.63E-08	1.12E-08	7.30E-05	2.31E-08	9.78E-09
4815	496363.09, 3861377.25	6.79E-05	2.14E-08	9.09E-09	8.31E-05	2.62E-08	1.11E-08	7.29E-05	2.30E-08	9.76E-09
4816	496863.09, 3861377.25	6.79E-05	2.14E-08	9.10E-09	8.32E-05	2.63E-08	1.11E-08	7.29E-05	2.30E-08	9.76E-09
4817	497363.09, 3861377.25	6.64E-05	2.10E-08	8.90E-09	8.14E-05	2.57E-08	1.09E-08	7.13E-05	2.25E-08	9.55E-09
4818	497863.09, 3861377.25	6.48E-05	2.05E-08	8.68E-09	7.94E-05	2.51E-08	1.06E-08	6.96E-05	2.20E-08	9.32E-09
4819	498363.09, 3861377.25	6.33E-05	2.00E-08	8.48E-09	7.76E-05	2.45E-08	1.04E-08	6.80E-05	2.15E-08	9.10E-09
4820	471363.09, 3861877.25	1.96E-05	6.19E-09	2.63E-09	2.40E-05	7.59E-09	3.22E-09	2.11E-05	6.65E-09	2.82E-09
4821	471863.09, 3861877.25	2.04E-05	6.45E-09	2.74E-09	2.50E-05	7.90E-09	3.35E-09	2.20E-05	6.93E-09	2.94E-09
4822	472363.09, 3861877.25	2.13E-05	6.71E-09	2.85E-09	2.60E-05	8.22E-09	3.49E-09	2.28E-05	7.21E-09	3.06E-09
4823	472863.09, 3861877.25	2.21E-05	6.98E-09	2.96E-09	2.71E-05	8.55E-09	3.63E-09	2.38E-05	7.50E-09	3.18E-09
4824	473363.09, 3861877.25	2.30E-05	7.26E-09	3.08E-09	2.82E-05	8.89E-09	3.77E-09	2.47E-05	7.80E-09	3.31E-09
4825	473863.09, 3861877.25	2.40E-05	7.57E-09	3.21E-09	2.94E-05	9.27E-09	3.93E-09	2.58E-05	8.13E-09	3.45E-09
4826	474363.09, 3861877.25	2.50E-05	7.90E-09	3.35E-09	3.07E-05	9.68E-09	4.11E-09	2.69E-05	8.49E-09	3.60E-09
4827	474863.09, 3861877.25	2.62E-05	8.26E-09	3.50E-09	3.21E-05	1.01E-08	4.29E-09	2.81E-05	8.87E-09	3.76E-09
4828	475363.09, 3861877.25	2.73E-05	8.63E-09	3.66E-09	3.35E-05	1.06E-08	4.48E-09	2.94E-05	9.27E-09	3.93E-09
4829	475863.09, 3861877.25	2.86E-05	9.02E-09	3.83E-09	3.50E-05	1.10E-08	4.69E-09	3.07E-05	9.69E-09	4.11E-09
4830	476363.09, 3861877.25	2.98E-05	9.41E-09	3.99E-09	3.65E-05	1.15E-08	4.89E-09	3.20E-05	1.01E-08	4.29E-09
4831	476863.09, 3861877.25	3.08E-05	9.72E-09	4.12E-09	3.77E-05	1.19E-08	5.05E-09	3.31E-05	1.04E-08	4.43E-09
4832	477363.09, 3861877.25	3.17E-05	1.00E-08	4.24E-09	3.88E-05	1.22E-08	5.19E-09	3.40E-05	1.07E-08	4.55E-09
4833	477863.09, 3861877.25	2.88E-05	9.09E-09	3.86E-09	3.53E-05	1.11E-08	4.72E-09	3.09E-05	9.76E-09	4.14E-09
4834	478363.09, 3861877.25	1.59E-05	5.02E-09	2.13E-09	1.95E-05	6.15E-09	2.61E-09	1.71E-05	5.39E-09	2.29E-09
4835	478863.09, 3861877.25	2.64E-05	8.34E-09	3.54E-09	3.24E-05	1.02E-08	4.33E-09	2.84E-05	8.95E-09	3.80E-09
4836	479363.09, 3861877.25	2.48E-05	7.81E-09	3.32E-09	3.03E-05	9.57E-09	4.06E-09	2.66E-05	8.39E-09	3.56E-09
4837	479863.09, 3861877.25	4.11E-05	1.30E-08	5.50E-09	5.03E-05	1.59E-08	6.74E-09	4.41E-05	1.39E-08	5.91E-09
4838	480363.09, 3861877.25	4.42E-05	1.39E-08	5.92E-09	5.41E-05	1.71E-08	7.25E-09	4.75E-05	1.50E-08	6.36E-09
4839	480863.09, 3861877.25	4.65E-05	1.47E-08	6.22E-09	5.69E-05	1.80E-08	7.62E-09	4.99E-05	1.58E-08	6.68E-09
4840	481363.09, 3861877.25	4.86E-05	1.54E-08	6.51E-09	5.96E-05	1.88E-08	7.98E-09	5.23E-05	1.65E-08	7.00E-09
4841	481863.09, 3861877.25	5.09E-05	1.61E-08	6.82E-09	6.24E-05	1.97E-08	8.35E-09	5.47E-05	1.73E-08	7.33E-09
4842	482363.09, 3861877.25	5.35E-05	1.69E-08	7.16E-09	6.55E-05	2.07E-08	8.77E-09	5.74E-05	1.81E-08	7.69E-09
4843	482863.09, 3861877.25	5.59E-05	1.77E-08	7.49E-09	6.85E-05	2.16E-08	9.17E-09	6.01E-05	1.90E-08	8.05E-09
4844	483363.09, 3861877.25	5.78E-05	1.82E-08	7.74E-09	7.08E-05	2.24E-08	9.48E-09	6.21E-05	1.96E-08	8.32E-09
4845	483863.09, 3861877.25	5.96E-05	1.88E-08	7.98E-09	7.30E-05	2.30E-08	9.78E-09	6.40E-05	2.02E-08	8.57E-09
4846	484363.09, 3861877.25	6.06E-05	1.91E-08	8.12E-09	7.42E-05	2.34E-08	9.94E-09	6.51E-05	2.05E-08	8.72E-09
4847	484863.09, 3861877.25	6.16E-05	1.94E-08	8.25E-09	7.54E-05	2.38E-08	1.01E-08	6.61E-05	2.09E-08	8.86E-09
4848	485363.09, 3861877.25	6.12E-05	1.93E-08	8.19E-09	7.49E-05	2.36E-08	1.00E-08	6.57E-05	2.07E-08	8.80E-09
4849	485863.09, 3861877.25	6.05E-05	1.91E-08	8.11E-09	7.41E-05	2.34E-08	9.93E-09	6.50E-05	2.05E-08	8.71E-09
4850	486363.09, 3861877.25	6.09E-05	1.92E-08	8.16E-09	7.46E-05	2.35E-08	9.99E-09	6.54E-05	2.06E-08	8.76E-09
4851	486863.09, 3861877.25	6.05E-05	1.91E-08	8.10E-09	7.41E-05	2.34E-08	9.93E-09	6.50E-05	2.05E-08	8.71E-09
4852	487363.09, 3861877.25	5.98E-05	1.89E-08	8.00E-09	7.32E-05	2.31E-08	9.80E-09	6.42E-05	2.03E-08	8.60E-09
4853	487863.09, 3861877.25	5.91E-05	1.87E-08	7.91E-09	7.24E-05	2.28E-08	9.69E-09	6.35E-05	2.00E-08	8.51E-09
4854	488363.09, 3861877.25	5.87E-05	1.85E-08	7.86E-09	7.19E-05	2.27E-08	9.63E-09	6.30E-05	1.99E-08	8.44E-09
4855	488863.09, 3861877.25	5.82E-05	1.84E-08	7.80E-09	7.13E-05	2.25E-08	9.55E-09	6.25E-05	1.97E-08	8.37E-09
4856	489363.09, 3861877.25	5.80E-05	1.83E-08	7.77E-09	7.10E-05	2.24E-08	9.51E-09	6.23E-05	1.97E-08	8.34E-09
4857	489863.09, 3861877.25	5.88E-05	1.86E-08	7.88E-09	7.21E-05	2.27E-08	9.65E-09	6.32E-05	1.99E-08	8.46E-09
4858	490363.09, 3861877.25	5.90E-05	1.86E-08	7.90E-09	7.23E-05	2.28E-08	9.68E-09	6.34E-05	2.00E-08	8.49E-09
4859	490863.09, 3861877.25	5.94E-05	1.87E-08	7.95E-09	7.27E-05	2.30E-08	9.74E-09	6.38E-05	2.01E-08	8.54E-09
4860	491363.09, 3861877.25	6.01E-05	1.90E-08	8.05E-09	7.36E-05	2.32E-08	9.86E-09	6.46E-05	2.04E-08	8.65E-09

4861	491863.09, 3861877.25	6.12E-05	1.93E-08	8.20E-09	7.50E-05	2.37E-08	1.00E-08	6.57E-05	2.08E-08	8.80E-09
4862	492363.09, 3861877.25	5.94E-05	1.88E-08	7.96E-09	7.28E-05	2.30E-08	9.75E-09	6.38E-05	2.01E-08	8.55E-09
4863	492863.09, 3861877.25	5.67E-05	1.79E-08	7.59E-09	6.94E-05	2.19E-08	9.30E-09	6.09E-05	1.92E-08	8.15E-09
4864	493363.09, 3861877.25	5.48E-05	1.73E-08	7.34E-09	6.72E-05	2.12E-08	8.99E-09	5.89E-05	1.86E-08	7.89E-09
4865	493863.09, 3861877.25	5.43E-05	1.71E-08	7.27E-09	6.65E-05	2.10E-08	8.90E-09	5.83E-05	1.84E-08	7.81E-09
4866	494363.09, 3861877.25	5.47E-05	1.73E-08	7.32E-09	6.70E-05	2.11E-08	8.97E-09	5.87E-05	1.85E-08	7.86E-09
4867	494863.09, 3861877.25	5.58E-05	1.76E-08	7.48E-09	6.84E-05	2.16E-08	9.16E-09	5.99E-05	1.89E-08	8.03E-09
4868	495363.09, 3861877.25	5.67E-05	1.79E-08	7.60E-09	6.95E-05	2.19E-08	9.31E-09	6.09E-05	1.92E-08	8.16E-09
4869	495863.09, 3861877.25	5.73E-05	1.81E-08	7.67E-09	7.01E-05	2.21E-08	9.39E-09	6.15E-05	1.94E-08	8.23E-09
4870	496363.09, 3861877.25	5.75E-05	1.82E-08	7.71E-09	7.05E-05	2.22E-08	9.44E-09	6.18E-05	1.95E-08	8.27E-09
4871	496863.09, 3861877.25	6.06E-05	1.91E-08	8.12E-09	7.43E-05	2.34E-08	9.95E-09	6.51E-05	2.05E-08	8.72E-09
4872	497363.09, 3861877.25	5.77E-05	1.82E-08	7.72E-09	7.06E-05	2.23E-08	9.46E-09	6.19E-05	1.95E-08	8.29E-09
4873	497863.09, 3861877.25	5.59E-05	1.76E-08	7.49E-09	6.85E-05	2.16E-08	9.17E-09	6.00E-05	1.89E-08	8.04E-09
4874	498363.09, 3861877.25	5.45E-05	1.72E-08	7.30E-09	6.68E-05	2.11E-08	8.94E-09	5.85E-05	1.85E-08	7.84E-09
4875	471363.09, 3862377.25	1.91E-05	6.01E-09	2.55E-09	2.33E-05	7.36E-09	3.12E-09	2.05E-05	6.46E-09	2.74E-09
4876	471863.09, 3862377.25	1.97E-05	6.23E-09	2.64E-09	2.42E-05	7.63E-09	3.24E-09	2.12E-05	6.69E-09	2.84E-09
4877	472363.09, 3862377.25	2.04E-05	6.45E-09	2.74E-09	2.50E-05	7.90E-09	3.35E-09	2.20E-05	6.93E-09	2.94E-09
4878	472863.09, 3862377.25	2.12E-05	6.69E-09	2.84E-09	2.60E-05	8.20E-09	3.48E-09	2.28E-05	7.19E-09	3.05E-09
4879	473363.09, 3862377.25	2.20E-05	6.95E-09	2.95E-09	2.70E-05	8.51E-09	3.61E-09	2.37E-05	7.47E-09	3.17E-09
4880	473863.09, 3862377.25	2.29E-05	7.23E-09	3.07E-09	2.81E-05	8.86E-09	3.76E-09	2.46E-05	7.77E-09	3.30E-09
4881	474363.09, 3862377.25	2.39E-05	7.53E-09	3.20E-09	2.92E-05	9.23E-09	3.91E-09	2.56E-05	8.09E-09	3.43E-09
4882	474863.09, 3862377.25	2.48E-05	7.83E-09	3.32E-09	3.04E-05	9.59E-09	4.07E-09	2.67E-05	8.41E-09	3.57E-09
4883	475363.09, 3862377.25	2.59E-05	8.17E-09	3.46E-09	3.17E-05	1.00E-08	4.24E-09	2.78E-05	8.77E-09	3.72E-09
4884	475863.09, 3862377.25	2.69E-05	8.49E-09	3.60E-09	3.30E-05	1.04E-08	4.41E-09	2.89E-05	9.12E-09	3.87E-09
4885	476363.09, 3862377.25	2.80E-05	8.83E-09	3.75E-09	3.43E-05	1.08E-08	4.59E-09	3.00E-05	9.48E-09	4.02E-09
4886	476863.09, 3862377.25	2.91E-05	9.17E-09	3.89E-09	3.56E-05	1.12E-08	4.77E-09	3.12E-05	9.85E-09	4.18E-09
4887	477363.09, 3862377.25	3.03E-05	9.55E-09	4.05E-09	3.71E-05	1.17E-08	4.96E-09	3.25E-05	1.03E-08	4.35E-09
4888	477863.09, 3862377.25	2.91E-05	9.19E-09	3.90E-09	3.57E-05	1.13E-08	4.78E-09	3.13E-05	9.87E-09	4.19E-09
4889	478363.09, 3862377.25	2.61E-05	8.25E-09	3.50E-09	3.20E-05	1.01E-08	4.29E-09	2.81E-05	8.85E-09	3.76E-09
4890	478863.09, 3862377.25	2.76E-05	8.71E-09	3.70E-09	3.38E-05	1.07E-08	4.53E-09	2.96E-05	9.36E-09	3.97E-09
4891	479363.09, 3862377.25	3.17E-05	1.00E-08	4.24E-09	3.88E-05	1.22E-08	5.19E-09	3.40E-05	1.07E-08	4.56E-09
4892	479863.09, 3862377.25	3.81E-05	1.20E-08	5.10E-09	4.67E-05	1.47E-08	6.25E-09	4.09E-05	1.29E-08	5.48E-09
4893	480363.09, 3862377.25	4.04E-05	1.28E-08	5.42E-09	4.95E-05	1.56E-08	6.63E-09	4.34E-05	1.37E-08	5.82E-09
4894	480863.09, 3862377.25	4.23E-05	1.33E-08	5.66E-09	5.18E-05	1.63E-08	6.94E-09	4.54E-05	1.43E-08	6.08E-09
4895	481363.09, 3862377.25	4.40E-05	1.39E-08	5.89E-09	5.39E-05	1.70E-08	7.22E-09	4.73E-05	1.49E-08	6.33E-09
4896	481863.09, 3862377.25	4.57E-05	1.44E-08	6.12E-09	5.60E-05	1.77E-08	7.50E-09	4.91E-05	1.55E-08	6.58E-09
4897	482363.09, 3862377.25	4.78E-05	1.51E-08	6.40E-09	5.85E-05	1.85E-08	7.84E-09	5.13E-05	1.62E-08	6.87E-09
4898	482863.09, 3862377.25	4.97E-05	1.57E-08	6.66E-09	6.09E-05	1.92E-08	8.15E-09	5.34E-05	1.69E-08	7.15E-09
4899	483363.09, 3862377.25	5.14E-05	1.62E-08	6.88E-09	6.30E-05	1.99E-08	8.43E-09	5.52E-05	1.74E-08	7.39E-09
4900	483863.09, 3862377.25	5.23E-05	1.65E-08	7.00E-09	6.40E-05	2.02E-08	8.58E-09	5.62E-05	1.77E-08	7.52E-09
4901	484363.09, 3862377.25	5.35E-05	1.69E-08	7.17E-09	6.56E-05	2.07E-08	8.78E-09	5.75E-05	1.81E-08	7.70E-09
4902	484863.09, 3862377.25	5.32E-05	1.68E-08	7.12E-09	6.51E-05	2.06E-08	8.72E-09	5.71E-05	1.80E-08	7.65E-09
4903	485363.09, 3862377.25	5.27E-05	1.66E-08	7.06E-09	6.46E-05	2.04E-08	8.65E-09	5.67E-05	1.79E-08	7.59E-09
4904	485863.09, 3862377.25	5.29E-05	1.67E-08	7.09E-09	6.48E-05	2.05E-08	8.68E-09	5.68E-05	1.79E-08	7.61E-09
4905	486363.09, 3862377.25	5.26E-05	1.66E-08	7.04E-09	6.44E-05	2.03E-08	8.63E-09	5.65E-05	1.78E-08	7.57E-09
4906	486863.09, 3862377.25	5.21E-05	1.64E-08	6.98E-09	6.38E-05	2.01E-08	8.55E-09	5.60E-05	1.77E-08	7.49E-09
4907	487363.09, 3862377.25	5.15E-05	1.62E-08	6.89E-09	6.31E-05	1.99E-08	8.44E-09	5.53E-05	1.75E-08	7.41E-09
4908	487863.09, 3862377.25	5.10E-05	1.61E-08	6.83E-09	6.25E-05	1.97E-08	8.37E-09	5.49E-05	1.73E-08	7.35E-09
4909	488363.09, 3862377.25	5.07E-05	1.60E-08	6.79E-09	6.21E-05	1.96E-08	8.31E-09	5.44E-05	1.72E-08	7.29E-09
4910	488863.09, 3862377.25	5.04E-05	1.59E-08	6.75E-09	6.17E-05	1.95E-08	8.27E-09	5.41E-05	1.71E-08	7.25E-09
4911	489363.09, 3862377.25	5.02E-05	1.59E-08	6.73E-09	6.15E-05	1.94E-08	8.24E-09	5.40E-05	1.70E-08	7.22E-09
4912	489863.09, 3862377.25	5.06E-05	1.60E-08	6.77E-09	6.19E-05	1.96E-08	8.30E-09	5.43E-05	1.71E-08	7.28E-09
4913	490363.09, 3862377.25	5.12E-05	1.62E-08	6.85E-09	6.27E-05	1.98E-08	8.40E-09	5.50E-05	1.74E-08	7.36E-09
4914	490863.09, 3862377.25	5.15E-05	1.63E-08	6.90E-09	6.31E-05	1.99E-08	8.45E-09	5.53E-05	1.75E-08	7.41E-09
4915	491363.09, 3862377.25	5.16E-05	1.63E-08	6.90E-09	6.31E-05	1.99E-08	8.46E-09	5.54E-05	1.75E-08	7.41E-09
4916	491863.09, 3862377.25	5.16E-05	1.63E-08	6.91E-09	6.32E-05	2.00E-08	8.47E-09	5.54E-05	1.75E-08	7.42E-09
4917	492363.09, 3862377.25	5.25E-05	1.66E-08	7.04E-09	6.44E-05	2.03E-08	8.62E-09	5.64E-05	1.78E-08	7.56E-09
4918	492863.09, 3862377.25	5.18E-05	1.63E-08	6.94E-09	6.34E-05	2.00E-08	8.50E-09	5.56E-05	1.76E-08	7.45E-09
4919	493363.09, 3862377.25	4.95E-05	1.56E-08	6.63E-09	6.07E-05	1.91E-08	8.12E-09	5.32E-05	1.68E-08	7.12E-09
4920	493863.09, 3862377.25	4.76E-05	1.50E-08	6.37E-09	5.83E-05	1.84E-08	7.80E-09	5.11E-05	1.61E-08	6.84E-09
4921	494363.09, 3862377.25	4.66E-05	1.47E-08	6.25E-09	5.71E-05	1.80E-08	7.65E-09	5.01E-05	1.58E-08	6.71E-09
4922	494863.09, 3862377.25	4.67E-05	1.47E-08	6.25E-09	5.72E-05	1.80E-08	7.66E-09	5.01E-05	1.58E-08	6.71E-09
4923	495363.09, 3862377.25	4.69E-05	1.48E-08	6.28E-09	5.74E-05	1.81E-08	7.69E-09	5.04E-05	1.59E-08	6.74E-09
4924	495863.09, 3862377.25	4.76E-05	1.50E-08	6.38E-09	5.83E-05	1.84E-08	7.81E-09	5.11E-05	1.61E-08	6.85E-09

4925	496363.09, 3862377.25	4.83E-05	1.52E-08	6.46E-09	5.91E-05	1.87E-08	7.91E-09	5.18E-05	1.63E-08	6.94E-09
4926	496863.09, 3862377.25	4.92E-05	1.55E-08	6.59E-09	6.03E-05	1.90E-08	8.07E-09	5.28E-05	1.67E-08	7.08E-09
4927	497363.09, 3862377.25	4.89E-05	1.54E-08	6.55E-09	5.99E-05	1.89E-08	8.02E-09	5.25E-05	1.66E-08	7.03E-09
4928	497863.09, 3862377.25	4.85E-05	1.53E-08	6.49E-09	5.93E-05	1.87E-08	7.95E-09	5.20E-05	1.64E-08	6.96E-09
4929	498363.09, 3862377.25	4.75E-05	1.50E-08	6.36E-09	5.81E-05	1.83E-08	7.78E-09	5.10E-05	1.61E-08	6.82E-09
4930	471363.09, 3862877.25	1.83E-05	5.78E-09	2.45E-09	2.24E-05	7.08E-09	3.00E-09	1.97E-05	6.21E-09	2.63E-09
4931	471863.09, 3862877.25	1.89E-05	5.97E-09	2.53E-09	2.32E-05	7.31E-09	3.10E-09	2.03E-05	6.42E-09	2.72E-09
4932	472363.09, 3862877.25	1.96E-05	6.18E-09	2.62E-09	2.40E-05	7.57E-09	3.21E-09	2.10E-05	6.64E-09	2.82E-09
4933	472863.09, 3862877.25	2.03E-05	6.40E-09	2.72E-09	2.48E-05	7.84E-09	3.33E-09	2.18E-05	6.88E-09	2.92E-09
4934	473363.09, 3862877.25	2.10E-05	6.64E-09	2.82E-09	2.57E-05	8.13E-09	3.45E-09	2.26E-05	7.13E-09	3.02E-09
4935	473863.09, 3862877.25	2.18E-05	6.89E-09	2.92E-09	2.67E-05	8.44E-09	3.58E-09	2.34E-05	7.40E-09	3.14E-09
4936	474363.09, 3862877.25	2.26E-05	7.15E-09	3.03E-09	2.77E-05	8.75E-09	3.71E-09	2.43E-05	7.68E-09	3.26E-09
4937	474863.09, 3862877.25	2.35E-05	7.42E-09	3.15E-09	2.88E-05	9.09E-09	3.86E-09	2.53E-05	7.97E-09	3.38E-09
4938	475363.09, 3862877.25	2.43E-05	7.68E-09	3.26E-09	2.98E-05	9.40E-09	3.99E-09	2.61E-05	8.25E-09	3.50E-09
4939	475863.09, 3862877.25	2.52E-05	7.95E-09	3.37E-09	3.09E-05	9.74E-09	4.13E-09	2.71E-05	8.54E-09	3.62E-09
4940	476363.09, 3862877.25	2.61E-05	8.24E-09	3.50E-09	3.20E-05	1.01E-08	4.28E-09	2.80E-05	8.85E-09	3.75E-09
4941	476863.09, 3862877.25	2.72E-05	8.58E-09	3.64E-09	3.33E-05	1.05E-08	4.46E-09	2.92E-05	9.22E-09	3.91E-09
4942	477363.09, 3862877.25	2.84E-05	8.97E-09	3.80E-09	3.48E-05	1.10E-08	4.66E-09	3.05E-05	9.63E-09	4.08E-09
4943	477863.09, 3862877.25	2.89E-05	9.11E-09	3.86E-09	3.53E-05	1.12E-08	4.73E-09	3.10E-05	9.78E-09	4.15E-09
4944	478363.09, 3862877.25	2.74E-05	8.65E-09	3.67E-09	3.36E-05	1.06E-08	4.49E-09	2.94E-05	9.29E-09	3.94E-09
4945	478863.09, 3862877.25	2.88E-05	9.09E-09	3.86E-09	3.53E-05	1.11E-08	4.72E-09	3.09E-05	9.76E-09	4.14E-09
4946	479363.09, 3862877.25	3.08E-05	9.71E-09	4.12E-09	3.77E-05	1.19E-08	5.05E-09	3.30E-05	1.04E-08	4.42E-09
4947	479863.09, 3862877.25	3.57E-05	1.13E-08	4.78E-09	4.37E-05	1.38E-08	5.85E-09	3.83E-05	1.21E-08	5.13E-09
4948	480363.09, 3862877.25	3.71E-05	1.17E-08	4.97E-09	4.54E-05	1.43E-08	6.09E-09	3.99E-05	1.26E-08	5.34E-09
4949	480863.09, 3862877.25	3.86E-05	1.22E-08	5.17E-09	4.73E-05	1.49E-08	6.33E-09	4.15E-05	1.31E-08	5.55E-09
4950	481363.09, 3862877.25	3.97E-05	1.25E-08	5.32E-09	4.87E-05	1.54E-08	6.52E-09	4.27E-05	1.35E-08	5.72E-09
4951	481863.09, 3862877.25	4.17E-05	1.32E-08	5.58E-09	5.11E-05	1.61E-08	6.84E-09	4.48E-05	1.41E-08	6.00E-09
4952	482363.09, 3862877.25	4.30E-05	1.36E-08	5.75E-09	5.26E-05	1.66E-08	7.05E-09	4.62E-05	1.46E-08	6.18E-09
4953	482863.09, 3862877.25	4.46E-05	1.41E-08	5.97E-09	5.46E-05	1.72E-08	7.32E-09	4.79E-05	1.51E-08	6.42E-09
4954	483363.09, 3862877.25	4.58E-05	1.44E-08	6.13E-09	5.60E-05	1.77E-08	7.51E-09	4.92E-05	1.55E-08	6.58E-09
4955	483863.09, 3862877.25	4.65E-05	1.47E-08	6.23E-09	5.70E-05	1.80E-08	7.63E-09	5.00E-05	1.58E-08	6.69E-09
4956	484363.09, 3862877.25	4.72E-05	1.49E-08	6.32E-09	5.78E-05	1.82E-08	7.74E-09	5.07E-05	1.60E-08	6.78E-09
4957	484863.09, 3862877.25	4.66E-05	1.47E-08	6.24E-09	5.71E-05	1.80E-08	7.65E-09	5.01E-05	1.58E-08	6.71E-09
4958	485363.09, 3862877.25	4.65E-05	1.47E-08	6.22E-09	5.69E-05	1.80E-08	7.62E-09	4.99E-05	1.58E-08	6.69E-09
4959	485863.09, 3862877.25	4.62E-05	1.46E-08	6.19E-09	5.66E-05	1.79E-08	7.59E-09	4.97E-05	1.57E-08	6.65E-09
4960	486363.09, 3862877.25	4.63E-05	1.46E-08	6.20E-09	5.67E-05	1.79E-08	7.59E-09	4.97E-05	1.57E-08	6.66E-09
4961	486863.09, 3862877.25	4.55E-05	1.44E-08	6.09E-09	5.57E-05	1.76E-08	7.46E-09	4.89E-05	1.54E-08	6.54E-09
4962	487363.09, 3862877.25	4.51E-05	1.42E-08	6.04E-09	5.52E-05	1.74E-08	7.39E-09	4.84E-05	1.53E-08	6.48E-09
4963	487863.09, 3862877.25	4.47E-05	1.41E-08	5.98E-09	5.47E-05	1.73E-08	7.33E-09	4.80E-05	1.52E-08	6.43E-09
4964	488363.09, 3862877.25	4.45E-05	1.40E-08	5.96E-09	5.45E-05	1.72E-08	7.30E-09	4.78E-05	1.51E-08	6.40E-09
4965	488863.09, 3862877.25	4.42E-05	1.39E-08	5.92E-09	5.41E-05	1.71E-08	7.25E-09	4.74E-05	1.50E-08	6.35E-09
4966	489363.09, 3862877.25	4.39E-05	1.38E-08	5.87E-09	5.37E-05	1.70E-08	7.19E-09	4.71E-05	1.49E-08	6.31E-09
4967	489863.09, 3862877.25	4.40E-05	1.39E-08	5.89E-09	5.38E-05	1.70E-08	7.21E-09	4.72E-05	1.49E-08	6.32E-09
4968	490363.09, 3862877.25	4.43E-05	1.40E-08	5.94E-09	5.43E-05	1.71E-08	7.27E-09	4.76E-05	1.50E-08	6.38E-09
4969	490863.09, 3862877.25	4.48E-05	1.41E-08	6.00E-09	5.48E-05	1.73E-08	7.34E-09	4.81E-05	1.52E-08	6.44E-09
4970	491363.09, 3862877.25	4.55E-05	1.44E-08	6.09E-09	5.57E-05	1.76E-08	7.46E-09	4.88E-05	1.54E-08	6.54E-09
4971	491863.09, 3862877.25	4.49E-05	1.42E-08	6.01E-09	5.50E-05	1.74E-08	7.37E-09	4.82E-05	1.52E-08	6.46E-09
4972	492363.09, 3862877.25	4.52E-05	1.43E-08	6.06E-09	5.54E-05	1.75E-08	7.42E-09	4.86E-05	1.53E-08	6.50E-09
4973	492863.09, 3862877.25	4.59E-05	1.45E-08	6.15E-09	5.62E-05	1.78E-08	7.53E-09	4.93E-05	1.56E-08	6.60E-09
4974	493363.09, 3862877.25	4.56E-05	1.44E-08	6.11E-09	5.59E-05	1.76E-08	7.48E-09	4.90E-05	1.55E-08	6.56E-09
4975	493863.09, 3862877.25	4.40E-05	1.39E-08	5.89E-09	5.39E-05	1.70E-08	7.22E-09	4.73E-05	1.49E-08	6.33E-09
4976	494363.09, 3862877.25	4.22E-05	1.33E-08	5.65E-09	5.16E-05	1.63E-08	6.92E-09	4.53E-05	1.43E-08	6.06E-09
4977	494863.09, 3862877.25	4.08E-05	1.29E-08	5.46E-09	5.00E-05	1.58E-08	6.69E-09	4.38E-05	1.38E-08	5.87E-09
4978	495363.09, 3862877.25	4.04E-05	1.27E-08	5.41E-09	4.95E-05	1.56E-08	6.62E-09	4.34E-05	1.37E-08	5.81E-09
4979	495863.09, 3862877.25	4.06E-05	1.28E-08	5.43E-09	4.97E-05	1.57E-08	6.65E-09	4.36E-05	1.37E-08	5.83E-09
4980	496363.09, 3862877.25	4.11E-05	1.30E-08	5.50E-09	5.03E-05	1.59E-08	6.73E-09	4.41E-05	1.39E-08	5.90E-09
4981	496863.09, 3862877.25	4.17E-05	1.31E-08	5.58E-09	5.10E-05	1.61E-08	6.83E-09	4.47E-05	1.41E-08	5.99E-09
4982	497363.09, 3862877.25	4.21E-05	1.33E-08	5.63E-09	5.15E-05	1.63E-08	6.90E-09	4.51E-05	1.42E-08	6.05E-09
4983	497863.09, 3862877.25	4.23E-05	1.34E-08	5.67E-09	5.18E-05	1.64E-08	6.94E-09	4.54E-05	1.43E-08	6.08E-09
4984	498363.09, 3862877.25	4.24E-05	1.34E-08	5.68E-09	5.20E-05	1.64E-08	6.96E-09	4.55E-05	1.44E-08	6.10E-09
4985	471363.09, 3863377.25	1.76E-05	5.54E-09	2.35E-09	2.15E-05	6.79E-09	2.88E-09	1.89E-05	5.95E-09	2.53E-09
4986	471863.09, 3863377.25	1.81E-05	5.72E-09	2.43E-09	2.22E-05	7.01E-09	2.97E-09	1.95E-05	6.15E-09	2.61E-09
4987	472363.09, 3863377.25	1.88E-05	5.92E-09	2.51E-09	2.30E-05	7.25E-09	3.08E-09	2.01E-05	6.36E-09	2.70E-09
4988	472863.09, 3863377.25	1.94E-05	6.11E-09	2.59E-09	2.37E-05	7.48E-09	3.18E-09	2.08E-05	6.56E-09	2.78E-09

4989	473363.09, 3863377.25	2.00E-05	6.31E-09	2.68E-09	2.45E-05	7.73E-09	3.28E-09	2.15E-05	6.78E-09	2.88E-09
4990	473863.09, 3863377.25	2.07E-05	6.53E-09	2.77E-09	2.54E-05	8.00E-09	3.40E-09	2.22E-05	7.02E-09	2.98E-09
4991	474363.09, 3863377.25	2.14E-05	6.75E-09	2.87E-09	2.62E-05	8.27E-09	3.51E-09	2.30E-05	7.25E-09	3.08E-09
4992	474863.09, 3863377.25	2.20E-05	6.95E-09	2.95E-09	2.70E-05	8.52E-09	3.61E-09	2.37E-05	7.46E-09	3.17E-09
4993	475363.09, 3863377.25	2.28E-05	7.18E-09	3.05E-09	2.79E-05	8.80E-09	3.73E-09	2.44E-05	7.71E-09	3.27E-09
4994	475863.09, 3863377.25	2.35E-05	7.42E-09	3.15E-09	2.88E-05	9.09E-09	3.86E-09	2.52E-05	7.97E-09	3.38E-09
4995	476363.09, 3863377.25	2.43E-05	7.68E-09	3.26E-09	2.98E-05	9.41E-09	3.99E-09	2.61E-05	8.25E-09	3.50E-09
4996	476863.09, 3863377.25	2.53E-05	7.99E-09	3.39E-09	3.10E-05	9.79E-09	4.15E-09	2.72E-05	8.58E-09	3.64E-09
4997	477363.09, 3863377.25	2.65E-05	8.36E-09	3.55E-09	3.24E-05	1.02E-08	4.34E-09	2.84E-05	8.98E-09	3.81E-09
4998	477863.09, 3863377.25	2.76E-05	8.70E-09	3.69E-09	3.38E-05	1.07E-08	4.52E-09	2.96E-05	9.34E-09	3.96E-09
4999	478363.09, 3863377.25	2.80E-05	8.84E-09	3.75E-09	3.43E-05	1.08E-08	4.60E-09	3.01E-05	9.50E-09	4.03E-09
5000	478863.09, 3863377.25	2.97E-05	9.38E-09	3.98E-09	3.64E-05	1.15E-08	4.87E-09	3.19E-05	1.01E-08	4.27E-09
5001	479363.09, 3863377.25	3.16E-05	9.99E-09	4.24E-09	3.88E-05	1.22E-08	5.19E-09	3.40E-05	1.07E-08	4.55E-09
5002	479863.09, 3863377.25	3.27E-05	1.03E-08	4.38E-09	4.01E-05	1.26E-08	5.36E-09	3.51E-05	1.11E-08	4.70E-09
5003	480363.09, 3863377.25	3.39E-05	1.07E-08	4.54E-09	4.15E-05	1.31E-08	5.56E-09	3.64E-05	1.15E-08	4.88E-09
5004	480863.09, 3863377.25	3.51E-05	1.11E-08	4.70E-09	4.30E-05	1.36E-08	5.76E-09	3.78E-05	1.19E-08	5.06E-09
5005	481363.09, 3863377.25	3.61E-05	1.14E-08	4.83E-09	4.42E-05	1.40E-08	5.92E-09	3.88E-05	1.22E-08	5.19E-09
5006	481863.09, 3863377.25	3.75E-05	1.18E-08	5.03E-09	4.60E-05	1.45E-08	6.16E-09	4.03E-05	1.27E-08	5.40E-09
5007	482363.09, 3863377.25	3.90E-05	1.23E-08	5.22E-09	4.78E-05	1.51E-08	6.39E-09	4.19E-05	1.32E-08	5.61E-09
5008	482863.09, 3863377.25	4.00E-05	1.26E-08	5.35E-09	4.89E-05	1.54E-08	6.55E-09	4.29E-05	1.35E-08	5.75E-09
5009	483363.09, 3863377.25	4.08E-05	1.29E-08	5.47E-09	5.00E-05	1.58E-08	6.70E-09	4.38E-05	1.38E-08	5.87E-09
5010	483863.09, 3863377.25	4.15E-05	1.31E-08	5.55E-09	5.08E-05	1.60E-08	6.80E-09	4.45E-05	1.41E-08	5.96E-09
5011	484363.09, 3863377.25	4.16E-05	1.31E-08	5.58E-09	5.10E-05	1.61E-08	6.83E-09	4.47E-05	1.41E-08	5.99E-09
5012	484863.09, 3863377.25	4.16E-05	1.31E-08	5.57E-09	5.09E-05	1.61E-08	6.82E-09	4.47E-05	1.41E-08	5.98E-09
5013	485363.09, 3863377.25	4.11E-05	1.30E-08	5.51E-09	5.04E-05	1.59E-08	6.74E-09	4.42E-05	1.39E-08	5.92E-09
5014	485863.09, 3863377.25	4.10E-05	1.29E-08	5.48E-09	5.02E-05	1.58E-08	6.72E-09	4.40E-05	1.39E-08	5.89E-09
5015	486363.09, 3863377.25	4.07E-05	1.29E-08	5.45E-09	4.99E-05	1.57E-08	6.68E-09	4.37E-05	1.38E-08	5.86E-09
5016	486863.09, 3863377.25	4.04E-05	1.28E-08	5.41E-09	4.95E-05	1.56E-08	6.63E-09	4.34E-05	1.37E-08	5.81E-09
5017	487363.09, 3863377.25	4.00E-05	1.26E-08	5.36E-09	4.90E-05	1.55E-08	6.56E-09	4.30E-05	1.36E-08	5.76E-09
5018	487863.09, 3863377.25	3.96E-05	1.25E-08	5.30E-09	4.85E-05	1.53E-08	6.49E-09	4.25E-05	1.34E-08	5.70E-09
5019	488363.09, 3863377.25	3.94E-05	1.24E-08	5.28E-09	4.82E-05	1.52E-08	6.46E-09	4.23E-05	1.34E-08	5.67E-09
5020	488863.09, 3863377.25	3.92E-05	1.24E-08	5.25E-09	4.80E-05	1.51E-08	6.43E-09	4.21E-05	1.33E-08	5.64E-09
5021	489363.09, 3863377.25	3.88E-05	1.22E-08	5.19E-09	4.75E-05	1.50E-08	6.36E-09	4.17E-05	1.31E-08	5.58E-09
5022	489863.09, 3863377.25	3.87E-05	1.22E-08	5.18E-09	4.73E-05	1.49E-08	6.34E-09	4.15E-05	1.31E-08	5.56E-09
5023	490363.09, 3863377.25	3.88E-05	1.23E-08	5.20E-09	4.76E-05	1.50E-08	6.37E-09	4.17E-05	1.32E-08	5.59E-09
5024	490863.09, 3863377.25	3.94E-05	1.24E-08	5.28E-09	4.83E-05	1.52E-08	6.47E-09	4.23E-05	1.34E-08	5.67E-09
5025	491363.09, 3863377.25	3.96E-05	1.25E-08	5.30E-09	4.85E-05	1.53E-08	6.50E-09	4.25E-05	1.34E-08	5.70E-09
5026	491863.09, 3863377.25	3.97E-05	1.25E-08	5.32E-09	4.87E-05	1.54E-08	6.52E-09	4.27E-05	1.35E-08	5.72E-09
5027	492363.09, 3863377.25	4.02E-05	1.27E-08	5.38E-09	4.92E-05	1.55E-08	6.59E-09	4.31E-05	1.36E-08	5.78E-09
5028	492863.09, 3863377.25	4.13E-05	1.30E-08	5.53E-09	5.06E-05	1.60E-08	6.77E-09	4.43E-05	1.40E-08	5.94E-09
5029	493363.09, 3863377.25	4.26E-05	1.34E-08	5.70E-09	5.22E-05	1.65E-08	6.98E-09	4.57E-05	1.44E-08	6.12E-09
5030	493863.09, 3863377.25	4.22E-05	1.33E-08	5.66E-09	5.17E-05	1.63E-08	6.93E-09	4.54E-05	1.43E-08	6.07E-09
5031	494363.09, 3863377.25	4.03E-05	1.27E-08	5.39E-09	4.93E-05	1.56E-08	6.60E-09	4.32E-05	1.36E-08	5.79E-09
5032	494863.09, 3863377.25	3.87E-05	1.22E-08	5.18E-09	4.74E-05	1.50E-08	6.34E-09	4.15E-05	1.31E-08	5.56E-09
5033	495363.09, 3863377.25	3.79E-05	1.20E-08	5.07E-09	4.64E-05	1.46E-08	6.21E-09	4.07E-05	1.28E-08	5.45E-09
5034	495863.09, 3863377.25	3.75E-05	1.19E-08	5.03E-09	4.60E-05	1.45E-08	6.16E-09	4.03E-05	1.27E-08	5.40E-09
5035	496363.09, 3863377.25	3.62E-05	1.14E-08	4.85E-09	4.43E-05	1.40E-08	5.94E-09	3.89E-05	1.23E-08	5.20E-09
5036	496863.09, 3863377.25	3.57E-05	1.13E-08	4.78E-09	4.37E-05	1.38E-08	5.86E-09	3.83E-05	1.21E-08	5.13E-09
5037	497363.09, 3863377.25	3.61E-05	1.14E-08	4.84E-09	4.43E-05	1.40E-08	5.93E-09	3.88E-05	1.22E-08	5.19E-09
5038	497863.09, 3863377.25	3.68E-05	1.16E-08	4.92E-09	4.50E-05	1.42E-08	6.03E-09	3.95E-05	1.25E-08	5.29E-09
5039	498363.09, 3863377.25	3.72E-05	1.17E-08	4.98E-09	4.56E-05	1.44E-08	6.10E-09	3.99E-05	1.26E-08	5.35E-09
5040	471363.09, 3863877.25	1.68E-05	5.31E-09	2.25E-09	2.06E-05	6.50E-09	2.76E-09	1.81E-05	5.70E-09	2.42E-09
5041	471863.09, 3863877.25	1.74E-05	5.49E-09	2.33E-09	2.13E-05	6.72E-09	2.85E-09	1.87E-05	5.90E-09	2.50E-09
5042	472363.09, 3863877.25	1.79E-05	5.65E-09	2.40E-09	2.19E-05	6.92E-09	2.94E-09	1.92E-05	6.07E-09	2.57E-09
5043	472863.09, 3863877.25	1.84E-05	5.82E-09	2.47E-09	2.26E-05	7.13E-09	3.02E-09	1.98E-05	6.25E-09	2.65E-09
5044	473363.09, 3863877.25	1.90E-05	5.98E-09	2.54E-09	2.32E-05	7.33E-09	3.11E-09	2.04E-05	6.42E-09	2.73E-09
5045	473863.09, 3863877.25	1.95E-05	6.17E-09	2.62E-09	2.39E-05	7.56E-09	3.21E-09	2.10E-05	6.62E-09	2.81E-09
5046	474363.09, 3863877.25	2.01E-05	6.34E-09	2.69E-09	2.46E-05	7.76E-09	3.29E-09	2.16E-05	6.80E-09	2.89E-09
5047	474863.09, 3863877.25	2.06E-05	6.50E-09	2.76E-09	2.52E-05	7.96E-09	3.38E-09	2.21E-05	6.98E-09	2.96E-09
5048	475363.09, 3863877.25	2.12E-05	6.71E-09	2.85E-09	2.60E-05	8.21E-09	3.49E-09	2.28E-05	7.20E-09	3.06E-09
5049	475863.09, 3863877.25	2.19E-05	6.91E-09	2.93E-09	2.68E-05	8.47E-09	3.59E-09	2.35E-05	7.43E-09	3.15E-09
5050	476363.09, 3863877.25	2.28E-05	7.19E-09	3.05E-09	2.79E-05	8.80E-09	3.73E-09	2.45E-05	7.72E-09	3.28E-09
5051	476863.09, 3863877.25	2.37E-05	7.48E-09	3.17E-09	2.90E-05	9.16E-09	3.89E-09	2.55E-05	8.03E-09	3.41E-09
5052	477363.09, 3863877.25	2.47E-05	7.81E-09	3.31E-09	3.03E-05	9.57E-09	4.06E-09	2.66E-05	8.39E-09	3.56E-09

5053	477863.09, 3863877.25	2.59E-05	8.19E-09	3.47E-09	3.18E-05	1.00E-08	4.26E-09	2.79E-05	8.80E-09	3.73E-09
5054	478363.09, 3863877.25	2.70E-05	8.52E-09	3.61E-09	3.31E-05	1.04E-08	4.43E-09	2.90E-05	9.15E-09	3.88E-09
5055	478863.09, 3863877.25	2.83E-05	8.92E-09	3.78E-09	3.46E-05	1.09E-08	4.64E-09	3.04E-05	9.58E-09	4.07E-09
5056	479363.09, 3863877.25	2.92E-05	9.22E-09	3.91E-09	3.58E-05	1.13E-08	4.79E-09	3.14E-05	9.90E-09	4.20E-09
5057	479863.09, 3863877.25	3.02E-05	9.53E-09	4.04E-09	3.70E-05	1.17E-08	4.95E-09	3.24E-05	1.02E-08	4.34E-09
5058	480363.09, 3863877.25	3.11E-05	9.83E-09	4.17E-09	3.81E-05	1.20E-08	5.11E-09	3.35E-05	1.06E-08	4.48E-09
5059	480863.09, 3863877.25	3.22E-05	1.02E-08	4.31E-09	3.94E-05	1.24E-08	5.28E-09	3.46E-05	1.09E-08	4.63E-09
5060	481363.09, 3863877.25	3.32E-05	1.05E-08	4.44E-09	4.06E-05	1.28E-08	5.44E-09	3.57E-05	1.13E-08	4.77E-09
5061	481863.09, 3863877.25	3.43E-05	1.08E-08	4.60E-09	4.20E-05	1.33E-08	5.63E-09	3.69E-05	1.16E-08	4.94E-09
5062	482363.09, 3863877.25	3.54E-05	1.12E-08	4.75E-09	4.34E-05	1.37E-08	5.81E-09	3.81E-05	1.20E-08	5.10E-09
5063	482863.09, 3863877.25	3.61E-05	1.14E-08	4.83E-09	4.42E-05	1.40E-08	5.92E-09	3.88E-05	1.22E-08	5.19E-09
5064	483363.09, 3863877.25	3.67E-05	1.16E-08	4.91E-09	4.49E-05	1.42E-08	6.02E-09	3.94E-05	1.24E-08	5.28E-09
5065	483863.09, 3863877.25	3.72E-05	1.17E-08	4.98E-09	4.56E-05	1.44E-08	6.10E-09	4.00E-05	1.26E-08	5.35E-09
5066	484363.09, 3863877.25	3.72E-05	1.17E-08	4.98E-09	4.56E-05	1.44E-08	6.10E-09	4.00E-05	1.26E-08	5.35E-09
5067	484863.09, 3863877.25	3.71E-05	1.17E-08	4.97E-09	4.54E-05	1.43E-08	6.08E-09	3.99E-05	1.26E-08	5.34E-09
5068	485363.09, 3863877.25	3.69E-05	1.16E-08	4.94E-09	4.52E-05	1.43E-08	6.05E-09	3.96E-05	1.25E-08	5.30E-09
5069	485863.09, 3863877.25	3.67E-05	1.16E-08	4.92E-09	4.50E-05	1.42E-08	6.03E-09	3.95E-05	1.25E-08	5.28E-09
5070	486363.09, 3863877.25	3.62E-05	1.14E-08	4.85E-09	4.44E-05	1.40E-08	5.94E-09	3.89E-05	1.23E-08	5.21E-09
5071	486863.09, 3863877.25	3.60E-05	1.14E-08	4.82E-09	4.41E-05	1.39E-08	5.90E-09	3.86E-05	1.22E-08	5.18E-09
5072	487363.09, 3863877.25	3.57E-05	1.13E-08	4.78E-09	4.37E-05	1.38E-08	5.85E-09	3.84E-05	1.21E-08	5.14E-09
5073	487863.09, 3863877.25	3.54E-05	1.12E-08	4.74E-09	4.33E-05	1.37E-08	5.80E-09	3.80E-05	1.20E-08	5.09E-09
5074	488363.09, 3863877.25	3.53E-05	1.11E-08	4.73E-09	4.32E-05	1.36E-08	5.79E-09	3.79E-05	1.20E-08	5.08E-09
5075	488863.09, 3863877.25	3.51E-05	1.11E-08	4.70E-09	4.30E-05	1.36E-08	5.76E-09	3.77E-05	1.19E-08	5.05E-09
5076	489363.09, 3863877.25	3.47E-05	1.10E-08	4.65E-09	4.25E-05	1.34E-08	5.70E-09	3.73E-05	1.18E-08	5.00E-09
5077	489863.09, 3863877.25	3.45E-05	1.09E-08	4.62E-09	4.23E-05	1.33E-08	5.66E-09	3.71E-05	1.17E-08	4.97E-09
5078	490363.09, 3863877.25	3.45E-05	1.09E-08	4.62E-09	4.23E-05	1.33E-08	5.66E-09	3.71E-05	1.17E-08	4.97E-09
5079	490863.09, 3863877.25	3.48E-05	1.10E-08	4.66E-09	4.27E-05	1.35E-08	5.71E-09	3.74E-05	1.18E-08	5.01E-09
5080	491363.09, 3863877.25	3.52E-05	1.11E-08	4.71E-09	4.31E-05	1.36E-08	5.77E-09	3.78E-05	1.19E-08	5.06E-09
5081	491863.09, 3863877.25	3.65E-05	1.15E-08	4.88E-09	4.46E-05	1.41E-08	5.98E-09	3.92E-05	1.24E-08	5.24E-09
5082	492363.09, 3863877.25	3.74E-05	1.18E-08	5.01E-09	4.58E-05	1.45E-08	6.13E-09	4.02E-05	1.27E-08	5.38E-09
5083	492863.09, 3863877.25	3.75E-05	1.18E-08	5.02E-09	4.59E-05	1.45E-08	6.14E-09	4.02E-05	1.27E-08	5.39E-09
5084	493363.09, 3863877.25	3.75E-05	1.18E-08	5.03E-09	4.60E-05	1.45E-08	6.15E-09	4.03E-05	1.27E-08	5.40E-09
5085	493863.09, 3863877.25	3.84E-05	1.21E-08	5.15E-09	4.71E-05	1.49E-08	6.30E-09	4.13E-05	1.30E-08	5.52E-09
5086	494363.09, 3863877.25	3.82E-05	1.20E-08	5.11E-09	4.67E-05	1.48E-08	6.26E-09	4.10E-05	1.29E-08	5.49E-09
5087	494863.09, 3863877.25	3.67E-05	1.16E-08	4.92E-09	4.50E-05	1.42E-08	6.03E-09	3.94E-05	1.25E-08	5.28E-09
5088	495363.09, 3863877.25	3.52E-05	1.11E-08	4.71E-09	4.31E-05	1.36E-08	5.77E-09	3.77E-05	1.19E-08	5.05E-09
5089	495863.09, 3863877.25	3.41E-05	1.08E-08	4.57E-09	4.18E-05	1.32E-08	5.59E-09	3.66E-05	1.16E-08	4.90E-09
5090	496363.09, 3863877.25	3.31E-05	1.05E-08	4.44E-09	4.06E-05	1.28E-08	5.43E-09	3.56E-05	1.12E-08	4.76E-09
5091	496863.09, 3863877.25	3.25E-05	1.02E-08	4.35E-09	3.98E-05	1.25E-08	5.32E-09	3.49E-05	1.10E-08	4.67E-09
5092	497363.09, 3863877.25	3.22E-05	1.01E-08	4.31E-09	3.94E-05	1.24E-08	5.27E-09	3.45E-05	1.09E-08	4.62E-09
5093	497863.09, 3863877.25	3.23E-05	1.02E-08	4.32E-09	3.95E-05	1.25E-08	5.29E-09	3.47E-05	1.09E-08	4.64E-09
5094	498363.09, 3863877.25	3.25E-05	1.03E-08	4.35E-09	3.98E-05	1.26E-08	5.33E-09	3.49E-05	1.10E-08	4.67E-09
5095	471363.09, 3864377.25	1.61E-05	5.09E-09	2.16E-09	1.98E-05	6.23E-09	2.65E-09	1.73E-05	5.47E-09	2.32E-09
5096	471863.09, 3864377.25	1.66E-05	5.23E-09	2.22E-09	2.03E-05	6.41E-09	2.72E-09	1.78E-05	5.62E-09	2.39E-09
5097	472363.09, 3864377.25	1.70E-05	5.38E-09	2.28E-09	2.09E-05	6.59E-09	2.80E-09	1.83E-05	5.78E-09	2.45E-09
5098	472863.09, 3864377.25	1.75E-05	5.52E-09	2.34E-09	2.14E-05	6.76E-09	2.87E-09	1.88E-05	5.93E-09	2.52E-09
5099	473363.09, 3864377.25	1.79E-05	5.66E-09	2.40E-09	2.19E-05	6.93E-09	2.94E-09	1.92E-05	6.07E-09	2.58E-09
5100	473863.09, 3864377.25	1.83E-05	5.79E-09	2.46E-09	2.25E-05	7.09E-09	3.01E-09	1.97E-05	6.21E-09	2.64E-09
5101	474363.09, 3864377.25	1.88E-05	5.94E-09	2.52E-09	2.30E-05	7.27E-09	3.09E-09	2.02E-05	6.38E-09	2.71E-09
5102	474863.09, 3864377.25	1.93E-05	6.09E-09	2.58E-09	2.36E-05	7.45E-09	3.16E-09	2.07E-05	6.54E-09	2.77E-09
5103	475363.09, 3864377.25	1.99E-05	6.28E-09	2.67E-09	2.44E-05	7.70E-09	3.27E-09	2.14E-05	6.75E-09	2.86E-09
5104	475863.09, 3864377.25	2.06E-05	6.51E-09	2.76E-09	2.52E-05	7.97E-09	3.38E-09	2.21E-05	6.99E-09	2.97E-09
5105	476363.09, 3864377.25	2.15E-05	6.78E-09	2.87E-09	2.63E-05	8.30E-09	3.52E-09	2.31E-05	7.28E-09	3.09E-09
5106	476863.09, 3864377.25	2.24E-05	7.06E-09	3.00E-09	2.74E-05	8.65E-09	3.67E-09	2.40E-05	7.59E-09	3.22E-09
5107	477363.09, 3864377.25	2.32E-05	7.32E-09	3.11E-09	2.84E-05	8.97E-09	3.81E-09	2.49E-05	7.87E-09	3.34E-09
5108	477863.09, 3864377.25	2.41E-05	7.61E-09	3.23E-09	2.95E-05	9.32E-09	3.95E-09	2.59E-05	8.17E-09	3.47E-09
5109	478363.09, 3864377.25	2.51E-05	7.91E-09	3.36E-09	3.07E-05	9.69E-09	4.11E-09	2.69E-05	8.50E-09	3.61E-09
5110	478863.09, 3864377.25	2.61E-05	8.22E-09	3.49E-09	3.19E-05	1.01E-08	4.27E-09	2.80E-05	8.83E-09	3.75E-09
5111	479363.09, 3864377.25	2.69E-05	8.50E-09	3.61E-09	3.30E-05	1.04E-08	4.42E-09	2.89E-05	9.13E-09	3.88E-09
5112	479863.09, 3864377.25	2.79E-05	8.82E-09	3.74E-09	3.42E-05	1.08E-08	4.58E-09	3.00E-05	9.48E-09	4.02E-09
5113	480363.09, 3864377.25	2.89E-05	9.13E-09	3.87E-09	3.54E-05	1.12E-08	4.74E-09	3.11E-05	9.81E-09	4.16E-09
5114	480863.09, 3864377.25	2.96E-05	9.34E-09	3.96E-09	3.62E-05	1.14E-08	4.85E-09	3.18E-05	1.00E-08	4.26E-09
5115	481363.09, 3864377.25	3.04E-05	9.60E-09	4.07E-09	3.73E-05	1.18E-08	4.99E-09	3.27E-05	1.03E-08	4.38E-09
5116	481863.09, 3864377.25	3.14E-05	9.91E-09	4.20E-09	3.85E-05	1.21E-08	5.15E-09	3.37E-05	1.06E-08	4.52E-09

5117	482363.09, 3864377.25	3.22E-05	1.02E-08	4.31E-09	3.94E-05	1.24E-08	5.28E-09	3.46E-05	1.09E-08	4.63E-09
5118	482863.09, 3864377.25	3.27E-05	1.03E-08	4.38E-09	4.01E-05	1.27E-08	5.37E-09	3.52E-05	1.11E-08	4.71E-09
5119	483363.09, 3864377.25	3.31E-05	1.05E-08	4.44E-09	4.06E-05	1.28E-08	5.44E-09	3.56E-05	1.12E-08	4.77E-09
5120	483863.09, 3864377.25	3.34E-05	1.05E-08	4.47E-09	4.09E-05	1.29E-08	5.48E-09	3.59E-05	1.13E-08	4.81E-09
5121	484363.09, 3864377.25	3.35E-05	1.06E-08	4.48E-09	4.10E-05	1.29E-08	5.49E-09	3.60E-05	1.13E-08	4.81E-09
5122	484863.09, 3864377.25	3.33E-05	1.05E-08	4.45E-09	4.07E-05	1.29E-08	5.45E-09	3.57E-05	1.13E-08	4.79E-09
5123	485363.09, 3864377.25	3.31E-05	1.04E-08	4.43E-09	4.05E-05	1.28E-08	5.43E-09	3.56E-05	1.12E-08	4.76E-09
5124	485863.09, 3864377.25	3.28E-05	1.04E-08	4.40E-09	4.02E-05	1.27E-08	5.39E-09	3.53E-05	1.11E-08	4.73E-09
5125	486363.09, 3864377.25	3.25E-05	1.03E-08	4.36E-09	3.98E-05	1.26E-08	5.33E-09	3.49E-05	1.10E-08	4.68E-09
5126	486863.09, 3864377.25	3.24E-05	1.02E-08	4.33E-09	3.96E-05	1.25E-08	5.31E-09	3.48E-05	1.10E-08	4.65E-09
5127	487363.09, 3864377.25	3.22E-05	1.02E-08	4.31E-09	3.94E-05	1.24E-08	5.28E-09	3.46E-05	1.09E-08	4.63E-09
5128	487863.09, 3864377.25	3.19E-05	1.01E-08	4.27E-09	3.91E-05	1.23E-08	5.23E-09	3.43E-05	1.08E-08	4.59E-09
5129	488363.09, 3864377.25	3.18E-05	1.00E-08	4.26E-09	3.89E-05	1.23E-08	5.21E-09	3.42E-05	1.08E-08	4.57E-09
5130	488863.09, 3864377.25	3.17E-05	1.00E-08	4.25E-09	3.89E-05	1.23E-08	5.20E-09	3.41E-05	1.08E-08	4.56E-09
5131	489363.09, 3864377.25	3.14E-05	9.92E-09	4.21E-09	3.85E-05	1.21E-08	5.15E-09	3.37E-05	1.06E-08	4.52E-09
5132	489863.09, 3864377.25	3.12E-05	9.84E-09	4.17E-09	3.82E-05	1.21E-08	5.11E-09	3.35E-05	1.06E-08	4.48E-09
5133	490363.09, 3864377.25	3.11E-05	9.81E-09	4.16E-09	3.81E-05	1.20E-08	5.10E-09	3.34E-05	1.05E-08	4.47E-09
5134	490863.09, 3864377.25	3.14E-05	9.92E-09	4.21E-09	3.85E-05	1.21E-08	5.15E-09	3.38E-05	1.07E-08	4.52E-09
5135	491363.09, 3864377.25	3.30E-05	1.04E-08	4.42E-09	4.04E-05	1.28E-08	5.41E-09	3.54E-05	1.12E-08	4.74E-09
5136	491863.09, 3864377.25	2.38E-05	7.52E-09	3.19E-09	2.92E-05	9.22E-09	3.91E-09	2.56E-05	8.08E-09	3.43E-09
5137	492363.09, 3864377.25	3.27E-05	1.03E-08	4.37E-09	4.00E-05	1.26E-08	5.36E-09	3.51E-05	1.11E-08	4.70E-09
5138	492863.09, 3864377.25	2.79E-05	8.79E-09	3.73E-09	3.41E-05	1.08E-08	4.57E-09	2.99E-05	9.44E-09	4.01E-09
5139	493363.09, 3864377.25	3.15E-05	9.93E-09	4.21E-09	3.85E-05	1.22E-08	5.16E-09	3.38E-05	1.07E-08	4.52E-09
5140	493863.09, 3864377.25	3.33E-05	1.05E-08	4.46E-09	4.07E-05	1.29E-08	5.46E-09	3.57E-05	1.13E-08	4.78E-09
5141	494363.09, 3864377.25	3.46E-05	1.09E-08	4.63E-09	4.23E-05	1.34E-08	5.67E-09	3.71E-05	1.17E-08	4.97E-09
5142	494863.09, 3864377.25	3.44E-05	1.09E-08	4.61E-09	4.22E-05	1.33E-08	5.65E-09	3.70E-05	1.17E-08	4.95E-09
5143	495363.09, 3864377.25	3.33E-05	1.05E-08	4.46E-09	4.07E-05	1.29E-08	5.46E-09	3.57E-05	1.13E-08	4.78E-09
5144	495863.09, 3864377.25	3.19E-05	1.01E-08	4.27E-09	3.90E-05	1.23E-08	5.23E-09	3.42E-05	1.08E-08	4.58E-09
5145	496363.09, 3864377.25	3.07E-05	9.69E-09	4.11E-09	3.76E-05	1.19E-08	5.04E-09	3.30E-05	1.04E-08	4.42E-09
5146	496863.09, 3864377.25	3.00E-05	9.47E-09	4.02E-09	3.68E-05	1.16E-08	4.92E-09	3.22E-05	1.02E-08	4.31E-09
5147	497363.09, 3864377.25	2.94E-05	9.29E-09	3.94E-09	3.61E-05	1.14E-08	4.83E-09	3.16E-05	9.98E-09	4.23E-09
5148	497863.09, 3864377.25	2.95E-05	9.31E-09	3.95E-09	3.61E-05	1.14E-08	4.84E-09	3.17E-05	9.99E-09	4.24E-09
5149	498363.09, 3864377.25	2.91E-05	9.18E-09	3.89E-09	3.56E-05	1.12E-08	4.77E-09	3.12E-05	9.85E-09	4.18E-09
5150	471363.09, 3864877.25	1.54E-05	4.85E-09	2.06E-09	1.88E-05	5.94E-09	2.52E-09	1.65E-05	5.21E-09	2.21E-09
5151	471863.09, 3864877.25	1.58E-05	4.97E-09	2.11E-09	1.93E-05	6.09E-09	2.59E-09	1.69E-05	5.34E-09	2.27E-09
5152	472363.09, 3864877.25	1.61E-05	5.10E-09	2.16E-09	1.98E-05	6.24E-09	2.65E-09	1.73E-05	5.47E-09	2.32E-09
5153	472863.09, 3864877.25	1.65E-05	5.21E-09	2.21E-09	2.02E-05	6.38E-09	2.71E-09	1.77E-05	5.59E-09	2.37E-09
5154	473363.09, 3864877.25	1.68E-05	5.31E-09	2.25E-09	2.06E-05	6.51E-09	2.76E-09	1.81E-05	5.71E-09	2.42E-09
5155	473863.09, 3864877.25	1.72E-05	5.43E-09	2.30E-09	2.11E-05	6.65E-09	2.82E-09	1.85E-05	5.83E-09	2.47E-09
5156	474363.09, 3864877.25	1.76E-05	5.57E-09	2.36E-09	2.16E-05	6.82E-09	2.89E-09	1.90E-05	5.98E-09	2.54E-09
5157	474863.09, 3864877.25	1.82E-05	5.73E-09	2.43E-09	2.22E-05	7.02E-09	2.98E-09	1.95E-05	6.16E-09	2.61E-09
5158	475363.09, 3864877.25	1.88E-05	5.93E-09	2.51E-09	2.30E-05	7.26E-09	3.08E-09	2.02E-05	6.37E-09	2.70E-09
5159	475863.09, 3864877.25	1.95E-05	6.14E-09	2.61E-09	2.38E-05	7.53E-09	3.19E-09	2.09E-05	6.60E-09	2.80E-09
5160	476363.09, 3864877.25	2.02E-05	6.39E-09	2.71E-09	2.48E-05	7.83E-09	3.32E-09	2.17E-05	6.86E-09	2.91E-09
5161	476863.09, 3864877.25	2.11E-05	6.66E-09	2.83E-09	2.59E-05	8.16E-09	3.46E-09	2.27E-05	7.16E-09	3.04E-09
5162	477363.09, 3864877.25	2.18E-05	6.88E-09	2.92E-09	2.67E-05	8.43E-09	3.58E-09	2.34E-05	7.39E-09	3.14E-09
5163	477863.09, 3864877.25	2.26E-05	7.13E-09	3.03E-09	2.77E-05	8.74E-09	3.71E-09	2.43E-05	7.66E-09	3.25E-09
5164	478363.09, 3864877.25	2.34E-05	7.39E-09	3.14E-09	2.87E-05	9.05E-09	3.84E-09	2.52E-05	7.94E-09	3.37E-09
5165	478863.09, 3864877.25	2.42E-05	7.65E-09	3.25E-09	2.97E-05	9.37E-09	3.98E-09	2.60E-05	8.22E-09	3.49E-09
5166	479363.09, 3864877.25	2.51E-05	7.92E-09	3.36E-09	3.07E-05	9.70E-09	4.12E-09	2.70E-05	8.51E-09	3.61E-09
5167	479863.09, 3864877.25	2.59E-05	8.18E-09	3.47E-09	3.17E-05	1.00E-08	4.25E-09	2.78E-05	8.79E-09	3.73E-09
5168	480363.09, 3864877.25	2.67E-05	8.44E-09	3.58E-09	3.27E-05	1.03E-08	4.38E-09	2.87E-05	9.06E-09	3.85E-09
5169	480863.09, 3864877.25	2.73E-05	8.62E-09	3.66E-09	3.35E-05	1.06E-08	4.48E-09	2.93E-05	9.26E-09	3.93E-09
5170	481363.09, 3864877.25	2.80E-05	8.85E-09	3.75E-09	3.43E-05	1.08E-08	4.60E-09	3.01E-05	9.50E-09	4.03E-09
5171	481863.09, 3864877.25	2.87E-05	9.06E-09	3.84E-09	3.51E-05	1.11E-08	4.71E-09	3.08E-05	9.73E-09	4.13E-09
5172	482363.09, 3864877.25	2.93E-05	9.26E-09	3.93E-09	3.59E-05	1.13E-08	4.81E-09	3.15E-05	9.95E-09	4.22E-09
5173	482863.09, 3864877.25	2.98E-05	9.41E-09	3.99E-09	3.65E-05	1.15E-08	4.89E-09	3.20E-05	1.01E-08	4.29E-09
5174	483363.09, 3864877.25	3.01E-05	9.51E-09	4.04E-09	3.69E-05	1.17E-08	4.94E-09	3.24E-05	1.02E-08	4.34E-09
5175	483863.09, 3864877.25	3.02E-05	9.53E-09	4.04E-09	3.70E-05	1.17E-08	4.95E-09	3.24E-05	1.02E-08	4.35E-09
5176	484363.09, 3864877.25	3.03E-05	9.55E-09	4.05E-09	3.71E-05	1.17E-08	4.96E-09	3.25E-05	1.03E-08	4.35E-09
5177	484863.09, 3864877.25	3.02E-05	9.53E-09	4.04E-09	3.70E-05	1.17E-08	4.95E-09	3.24E-05	1.02E-08	4.34E-09
5178	485363.09, 3864877.25	3.01E-05	9.49E-09	4.03E-09	3.68E-05	1.16E-08	4.93E-09	3.23E-05	1.02E-08	4.33E-09
5179	485863.09, 3864877.25	2.97E-05	9.37E-09	3.97E-09	3.64E-05	1.15E-08	4.87E-09	3.19E-05	1.01E-08	4.27E-09
5180	486363.09, 3864877.25	2.94E-05	9.28E-09	3.94E-09	3.60E-05	1.14E-08	4.82E-09	3.16E-05	9.97E-09	4.23E-09

5181	486863.09, 3864877.25	2.93E-05	9.24E-09	3.92E-09	3.58E-05	1.13E-08	4.80E-09	3.14E-05	9.92E-09	4.21E-09
5182	487363.09, 3864877.25	2.91E-05	9.17E-09	3.89E-09	3.56E-05	1.12E-08	4.77E-09	3.12E-05	9.85E-09	4.18E-09
5183	487863.09, 3864877.25	2.89E-05	9.12E-09	3.87E-09	3.54E-05	1.12E-08	4.74E-09	3.11E-05	9.80E-09	4.16E-09
5184	488363.09, 3864877.25	2.89E-05	9.13E-09	3.87E-09	3.54E-05	1.12E-08	4.74E-09	3.11E-05	9.81E-09	4.16E-09
5185	488863.09, 3864877.25	2.89E-05	9.12E-09	3.87E-09	3.54E-05	1.12E-08	4.74E-09	3.10E-05	9.79E-09	4.16E-09
5186	489363.09, 3864877.25	2.87E-05	9.05E-09	3.84E-09	3.51E-05	1.11E-08	4.70E-09	3.08E-05	9.72E-09	4.12E-09
5187	489863.09, 3864877.25	2.83E-05	8.94E-09	3.80E-09	3.47E-05	1.10E-08	4.65E-09	3.04E-05	9.61E-09	4.08E-09
5188	490363.09, 3864877.25	2.82E-05	8.92E-09	3.78E-09	3.46E-05	1.09E-08	4.63E-09	3.03E-05	9.58E-09	4.06E-09
5189	490863.09, 3864877.25	2.97E-05	9.37E-09	3.98E-09	3.64E-05	1.15E-08	4.87E-09	3.19E-05	1.01E-08	4.27E-09
5190	491363.09, 3864877.25	2.98E-05	9.39E-09	3.98E-09	3.64E-05	1.15E-08	4.88E-09	3.20E-05	1.01E-08	4.28E-09
5191	491863.09, 3864877.25	3.04E-05	9.58E-09	4.06E-09	3.72E-05	1.17E-08	4.98E-09	3.26E-05	1.03E-08	4.36E-09
5192	492363.09, 3864877.25	1.48E-05	4.67E-09	1.98E-09	1.81E-05	5.72E-09	2.43E-09	1.59E-05	5.02E-09	2.13E-09
5193	492863.09, 3864877.25	2.03E-05	6.39E-09	2.71E-09	2.48E-05	7.83E-09	3.32E-09	2.18E-05	6.87E-09	2.91E-09
5194	493363.09, 3864877.25	1.93E-05	6.09E-09	2.58E-09	2.36E-05	7.45E-09	3.16E-09	2.07E-05	6.54E-09	2.77E-09
5195	493863.09, 3864877.25	2.88E-05	9.08E-09	3.85E-09	3.53E-05	1.11E-08	4.72E-09	3.09E-05	9.75E-09	4.14E-09
5196	494363.09, 3864877.25	3.02E-05	9.54E-09	4.05E-09	3.70E-05	1.17E-08	4.96E-09	3.25E-05	1.02E-08	4.35E-09
5197	494863.09, 3864877.25	3.12E-05	9.85E-09	4.18E-09	3.82E-05	1.21E-08	5.12E-09	3.35E-05	1.06E-08	4.49E-09
5198	495363.09, 3864877.25	3.12E-05	9.84E-09	4.18E-09	3.82E-05	1.21E-08	5.12E-09	3.35E-05	1.06E-08	4.48E-09
5199	495863.09, 3864877.25	3.01E-05	9.50E-09	4.03E-09	3.69E-05	1.16E-08	4.94E-09	3.23E-05	1.02E-08	4.33E-09
5200	496363.09, 3864877.25	2.91E-05	9.17E-09	3.89E-09	3.56E-05	1.12E-08	4.77E-09	3.12E-05	9.85E-09	4.18E-09
5201	496863.09, 3864877.25	2.80E-05	8.85E-09	3.75E-09	3.43E-05	1.08E-08	4.60E-09	3.01E-05	9.50E-09	4.03E-09
5202	497363.09, 3864877.25	2.73E-05	8.61E-09	3.65E-09	3.34E-05	1.05E-08	4.47E-09	2.93E-05	9.24E-09	3.92E-09
5203	497863.09, 3864877.25	2.69E-05	8.50E-09	3.61E-09	3.30E-05	1.04E-08	4.42E-09	2.89E-05	9.13E-09	3.87E-09
5204	498363.09, 3864877.25	2.66E-05	8.39E-09	3.56E-09	3.26E-05	1.03E-08	4.36E-09	2.85E-05	9.01E-09	3.82E-09
5205	471363.09, 3865377.25	1.46E-05	4.60E-09	1.95E-09	1.79E-05	5.64E-09	2.39E-09	1.57E-05	4.94E-09	2.10E-09
5206	471863.09, 3865377.25	1.49E-05	4.71E-09	2.00E-09	1.83E-05	5.77E-09	2.45E-09	1.60E-05	5.05E-09	2.14E-09
5207	472363.09, 3865377.25	1.52E-05	4.81E-09	2.04E-09	1.87E-05	5.89E-09	2.50E-09	1.64E-05	5.16E-09	2.19E-09
5208	472863.09, 3865377.25	1.56E-05	4.91E-09	2.08E-09	1.91E-05	6.02E-09	2.55E-09	1.67E-05	5.28E-09	2.24E-09
5209	473363.09, 3865377.25	1.58E-05	5.00E-09	2.12E-09	1.94E-05	6.13E-09	2.60E-09	1.70E-05	5.37E-09	2.28E-09
5210	473863.09, 3865377.25	1.62E-05	5.12E-09	2.17E-09	1.99E-05	6.27E-09	2.66E-09	1.74E-05	5.50E-09	2.33E-09
5211	474363.09, 3865377.25	1.67E-05	5.26E-09	2.23E-09	2.04E-05	6.44E-09	2.73E-09	1.79E-05	5.65E-09	2.40E-09
5212	474863.09, 3865377.25	1.72E-05	5.44E-09	2.31E-09	2.11E-05	6.66E-09	2.83E-09	1.85E-05	5.84E-09	2.48E-09
5213	475363.09, 3865377.25	1.78E-05	5.62E-09	2.38E-09	2.18E-05	6.88E-09	2.92E-09	1.91E-05	6.04E-09	2.56E-09
5214	475863.09, 3865377.25	1.85E-05	5.83E-09	2.48E-09	2.26E-05	7.15E-09	3.03E-09	1.99E-05	6.27E-09	2.66E-09
5215	476363.09, 3865377.25	1.94E-05	6.13E-09	2.60E-09	2.38E-05	7.51E-09	3.19E-09	2.09E-05	6.59E-09	2.79E-09
5216	476863.09, 3865377.25	2.01E-05	6.35E-09	2.70E-09	2.47E-05	7.78E-09	3.30E-09	2.16E-05	6.82E-09	2.90E-09
5217	477363.09, 3865377.25	2.08E-05	6.56E-09	2.78E-09	2.54E-05	8.03E-09	3.41E-09	2.23E-05	7.04E-09	2.99E-09
5218	477863.09, 3865377.25	2.13E-05	6.72E-09	2.85E-09	2.61E-05	8.23E-09	3.49E-09	2.29E-05	7.22E-09	3.06E-09
5219	478363.09, 3865377.25	2.21E-05	6.96E-09	2.95E-09	2.70E-05	8.53E-09	3.62E-09	2.37E-05	7.48E-09	3.17E-09
5220	478863.09, 3865377.25	2.27E-05	7.18E-09	3.04E-09	2.78E-05	8.79E-09	3.73E-09	2.44E-05	7.71E-09	3.27E-09
5221	479363.09, 3865377.25	2.35E-05	7.40E-09	3.14E-09	2.87E-05	9.07E-09	3.85E-09	2.52E-05	7.95E-09	3.37E-09
5222	479863.09, 3865377.25	2.42E-05	7.64E-09	3.24E-09	2.97E-05	9.36E-09	3.97E-09	2.60E-05	8.21E-09	3.48E-09
5223	480363.09, 3865377.25	2.47E-05	7.80E-09	3.31E-09	3.03E-05	9.55E-09	4.05E-09	2.65E-05	8.38E-09	3.55E-09
5224	480863.09, 3865377.25	2.52E-05	7.95E-09	3.37E-09	3.09E-05	9.74E-09	4.13E-09	2.71E-05	8.54E-09	3.63E-09
5225	481363.09, 3865377.25	2.58E-05	8.15E-09	3.46E-09	3.16E-05	9.98E-09	4.24E-09	2.77E-05	8.76E-09	3.72E-09
5226	481863.09, 3865377.25	2.64E-05	8.34E-09	3.54E-09	3.23E-05	1.02E-08	4.33E-09	2.84E-05	8.95E-09	3.80E-09
5227	482363.09, 3865377.25	2.69E-05	8.49E-09	3.60E-09	3.30E-05	1.04E-08	4.41E-09	2.89E-05	9.12E-09	3.87E-09
5228	482863.09, 3865377.25	2.72E-05	8.60E-09	3.65E-09	3.34E-05	1.05E-08	4.47E-09	2.93E-05	9.24E-09	3.92E-09
5229	483363.09, 3865377.25	2.74E-05	8.66E-09	3.68E-09	3.36E-05	1.06E-08	4.50E-09	2.95E-05	9.31E-09	3.95E-09
5230	483863.09, 3865377.25	2.75E-05	8.68E-09	3.68E-09	3.37E-05	1.06E-08	4.51E-09	2.96E-05	9.33E-09	3.96E-09
5231	484363.09, 3865377.25	2.76E-05	8.72E-09	3.70E-09	3.38E-05	1.07E-08	4.53E-09	2.97E-05	9.37E-09	3.97E-09
5232	484863.09, 3865377.25	2.76E-05	8.72E-09	3.70E-09	3.38E-05	1.07E-08	4.53E-09	2.97E-05	9.36E-09	3.97E-09
5233	485363.09, 3865377.25	2.74E-05	8.65E-09	3.67E-09	3.36E-05	1.06E-08	4.49E-09	2.94E-05	9.29E-09	3.94E-09
5234	485863.09, 3865377.25	2.70E-05	8.53E-09	3.62E-09	3.31E-05	1.04E-08	4.43E-09	2.90E-05	9.16E-09	3.89E-09
5235	486363.09, 3865377.25	2.68E-05	8.47E-09	3.59E-09	3.29E-05	1.04E-08	4.40E-09	2.88E-05	9.10E-09	3.86E-09
5236	486863.09, 3865377.25	2.67E-05	8.42E-09	3.57E-09	3.27E-05	1.03E-08	4.38E-09	2.87E-05	9.05E-09	3.84E-09
5237	487363.09, 3865377.25	2.65E-05	8.36E-09	3.55E-09	3.24E-05	1.02E-08	4.35E-09	2.85E-05	8.98E-09	3.81E-09
5238	487863.09, 3865377.25	2.64E-05	8.32E-09	3.53E-09	3.23E-05	1.02E-08	4.33E-09	2.83E-05	8.95E-09	3.80E-09
5239	488363.09, 3865377.25	2.65E-05	8.35E-09	3.54E-09	3.24E-05	1.02E-08	4.34E-09	2.84E-05	8.98E-09	3.81E-09
5240	488863.09, 3865377.25	2.65E-05	8.36E-09	3.55E-09	3.24E-05	1.02E-08	4.34E-09	2.85E-05	8.98E-09	3.81E-09
5241	489363.09, 3865377.25	2.64E-05	8.33E-09	3.54E-09	3.23E-05	1.02E-08	4.33E-09	2.84E-05	8.95E-09	3.80E-09
5242	489863.09, 3865377.25	2.63E-05	8.30E-09	3.52E-09	3.22E-05	1.02E-08	4.31E-09	2.83E-05	8.92E-09	3.78E-09
5243	490363.09, 3865377.25	2.70E-05	8.52E-09	3.62E-09	3.31E-05	1.04E-08	4.43E-09	2.90E-05	9.15E-09	3.88E-09
5244	490863.09, 3865377.25	2.69E-05	8.50E-09	3.60E-09	3.30E-05	1.04E-08	4.41E-09	2.89E-05	9.13E-09	3.87E-09

5245	491363.09, 3865377.25	2.70E-05	8.53E-09	3.62E-09	3.31E-05	1.04E-08	4.43E-09	2.90E-05	9.16E-09	3.89E-09
5246	491863.09, 3865377.25	2.74E-05	8.64E-09	3.67E-09	3.35E-05	1.06E-08	4.49E-09	2.94E-05	9.28E-09	3.94E-09
5247	492363.09, 3865377.25	2.55E-05	8.05E-09	3.41E-09	3.12E-05	9.86E-09	4.18E-09	2.74E-05	8.64E-09	3.67E-09
5248	492863.09, 3865377.25	2.17E-05	6.83E-09	2.90E-09	2.65E-05	8.37E-09	3.55E-09	2.33E-05	7.34E-09	3.11E-09
5249	493363.09, 3865377.25	1.80E-05	5.68E-09	2.41E-09	2.20E-05	6.96E-09	2.95E-09	1.93E-05	6.10E-09	2.59E-09
5250	493863.09, 3865377.25	2.43E-05	7.67E-09	3.26E-09	2.98E-05	9.40E-09	3.99E-09	2.61E-05	8.24E-09	3.50E-09
5251	494363.09, 3865377.25	2.64E-05	8.32E-09	3.53E-09	3.23E-05	1.02E-08	4.32E-09	2.83E-05	8.94E-09	3.79E-09
5252	494863.09, 3865377.25	2.74E-05	8.65E-09	3.67E-09	3.36E-05	1.06E-08	4.50E-09	2.94E-05	9.29E-09	3.94E-09
5253	495363.09, 3865377.25	2.84E-05	8.96E-09	3.80E-09	3.48E-05	1.10E-08	4.65E-09	3.05E-05	9.62E-09	4.08E-09
5254	495863.09, 3865377.25	2.84E-05	8.95E-09	3.80E-09	3.47E-05	1.10E-08	4.65E-09	3.05E-05	9.61E-09	4.08E-09
5255	496363.09, 3865377.25	2.78E-05	8.77E-09	3.72E-09	3.41E-05	1.07E-08	4.56E-09	2.99E-05	9.42E-09	4.00E-09
5256	496863.09, 3865377.25	2.67E-05	8.43E-09	3.58E-09	3.27E-05	1.03E-08	4.38E-09	2.87E-05	9.05E-09	3.84E-09
5257	497363.09, 3865377.25	2.57E-05	8.11E-09	3.44E-09	3.15E-05	9.94E-09	4.22E-09	2.76E-05	8.71E-09	3.70E-09
5258	497863.09, 3865377.25	2.50E-05	7.89E-09	3.35E-09	3.06E-05	9.67E-09	4.10E-09	2.69E-05	8.48E-09	3.60E-09
5259	498363.09, 3865377.25	2.48E-05	7.81E-09	3.32E-09	3.03E-05	9.57E-09	4.06E-09	2.66E-05	8.39E-09	3.56E-09
5260	471363.09, 3865877.25	1.38E-05	4.37E-09	1.85E-09	1.69E-05	5.35E-09	2.27E-09	1.49E-05	4.69E-09	1.99E-09
5261	471863.09, 3865877.25	1.41E-05	4.45E-09	1.89E-09	1.73E-05	5.45E-09	2.31E-09	1.51E-05	4.78E-09	2.03E-09
5262	472363.09, 3865877.25	1.44E-05	4.56E-09	1.93E-09	1.77E-05	5.58E-09	2.37E-09	1.55E-05	4.90E-09	2.08E-09
5263	472863.09, 3865877.25	1.47E-05	4.62E-09	1.96E-09	1.79E-05	5.66E-09	2.40E-09	1.57E-05	4.97E-09	2.11E-09
5264	473363.09, 3865877.25	1.50E-05	4.72E-09	2.00E-09	1.83E-05	5.79E-09	2.46E-09	1.61E-05	5.08E-09	2.15E-09
5265	473863.09, 3865877.25	1.54E-05	4.86E-09	2.06E-09	1.88E-05	5.95E-09	2.52E-09	1.65E-05	5.22E-09	2.21E-09
5266	474363.09, 3865877.25	1.59E-05	5.00E-09	2.12E-09	1.94E-05	6.13E-09	2.60E-09	1.70E-05	5.38E-09	2.28E-09
5267	474863.09, 3865877.25	1.64E-05	5.19E-09	2.20E-09	2.01E-05	6.35E-09	2.70E-09	1.77E-05	5.57E-09	2.36E-09
5268	475363.09, 3865877.25	1.70E-05	5.36E-09	2.28E-09	2.08E-05	6.57E-09	2.79E-09	1.83E-05	5.76E-09	2.44E-09
5269	475863.09, 3865877.25	1.76E-05	5.55E-09	2.36E-09	2.16E-05	6.80E-09	2.89E-09	1.89E-05	5.97E-09	2.53E-09
5270	476363.09, 3865877.25	1.85E-05	5.84E-09	2.48E-09	2.27E-05	7.16E-09	3.04E-09	1.99E-05	6.28E-09	2.66E-09
5271	476863.09, 3865877.25	1.91E-05	6.03E-09	2.56E-09	2.34E-05	7.38E-09	3.13E-09	2.05E-05	6.48E-09	2.75E-09
5272	477363.09, 3865877.25	1.98E-05	6.26E-09	2.65E-09	2.43E-05	7.66E-09	3.25E-09	2.13E-05	6.72E-09	2.85E-09
5273	477863.09, 3865877.25	2.02E-05	6.38E-09	2.71E-09	2.48E-05	7.82E-09	3.32E-09	2.17E-05	6.86E-09	2.91E-09
5274	478363.09, 3865877.25	2.08E-05	6.57E-09	2.79E-09	2.55E-05	8.05E-09	3.42E-09	2.24E-05	7.06E-09	3.00E-09
5275	478863.09, 3865877.25	2.15E-05	6.77E-09	2.87E-09	2.63E-05	8.30E-09	3.52E-09	2.31E-05	7.28E-09	3.09E-09
5276	479363.09, 3865877.25	2.21E-05	6.97E-09	2.96E-09	2.70E-05	8.53E-09	3.62E-09	2.37E-05	7.48E-09	3.18E-09
5277	479863.09, 3865877.25	2.26E-05	7.12E-09	3.02E-09	2.76E-05	8.72E-09	3.70E-09	2.42E-05	7.65E-09	3.24E-09
5278	480363.09, 3865877.25	2.30E-05	7.25E-09	3.08E-09	2.81E-05	8.88E-09	3.77E-09	2.47E-05	7.79E-09	3.30E-09
5279	480863.09, 3865877.25	2.34E-05	7.39E-09	3.14E-09	2.87E-05	9.06E-09	3.84E-09	2.52E-05	7.94E-09	3.37E-09
5280	481363.09, 3865877.25	2.39E-05	7.55E-09	3.20E-09	2.93E-05	9.24E-09	3.92E-09	2.57E-05	8.11E-09	3.44E-09
5281	481863.09, 3865877.25	2.44E-05	7.71E-09	3.27E-09	2.99E-05	9.44E-09	4.00E-09	2.62E-05	8.28E-09	3.51E-09
5282	482363.09, 3865877.25	2.48E-05	7.82E-09	3.32E-09	3.03E-05	9.57E-09	4.06E-09	2.66E-05	8.40E-09	3.56E-09
5283	482863.09, 3865877.25	2.50E-05	7.89E-09	3.35E-09	3.06E-05	9.66E-09	4.10E-09	2.68E-05	8.47E-09	3.60E-09
5284	483363.09, 3865877.25	2.52E-05	7.94E-09	3.37E-09	3.08E-05	9.73E-09	4.13E-09	2.70E-05	8.53E-09	3.62E-09
5285	483863.09, 3865877.25	2.53E-05	7.98E-09	3.39E-09	3.10E-05	9.78E-09	4.15E-09	2.72E-05	8.58E-09	3.64E-09
5286	484363.09, 3865877.25	2.55E-05	8.03E-09	3.41E-09	3.12E-05	9.84E-09	4.17E-09	2.74E-05	8.63E-09	3.66E-09
5287	484863.09, 3865877.25	2.54E-05	8.00E-09	3.39E-09	3.10E-05	9.80E-09	4.16E-09	2.72E-05	8.60E-09	3.65E-09
5288	485363.09, 3865877.25	2.51E-05	7.91E-09	3.35E-09	3.07E-05	9.68E-09	4.11E-09	2.69E-05	8.50E-09	3.60E-09
5289	485863.09, 3865877.25	2.47E-05	7.81E-09	3.31E-09	3.03E-05	9.56E-09	4.06E-09	2.66E-05	8.39E-09	3.56E-09
5290	486363.09, 3865877.25	2.45E-05	7.75E-09	3.29E-09	3.01E-05	9.49E-09	4.03E-09	2.64E-05	8.32E-09	3.53E-09
5291	486863.09, 3865877.25	2.44E-05	7.71E-09	3.27E-09	2.99E-05	9.44E-09	4.00E-09	2.62E-05	8.28E-09	3.51E-09
5292	487363.09, 3865877.25	2.42E-05	7.65E-09	3.25E-09	2.97E-05	9.37E-09	3.98E-09	2.60E-05	8.22E-09	3.49E-09
5293	487863.09, 3865877.25	2.43E-05	7.67E-09	3.25E-09	2.98E-05	9.39E-09	3.99E-09	2.61E-05	8.24E-09	3.50E-09
5294	488363.09, 3865877.25	2.43E-05	7.68E-09	3.26E-09	2.98E-05	9.41E-09	3.99E-09	2.62E-05	8.25E-09	3.50E-09
5295	488863.09, 3865877.25	2.45E-05	7.73E-09	3.28E-09	3.00E-05	9.46E-09	4.01E-09	2.63E-05	8.30E-09	3.52E-09
5296	489363.09, 3865877.25	2.45E-05	7.74E-09	3.28E-09	3.00E-05	9.48E-09	4.02E-09	2.63E-05	8.32E-09	3.53E-09
5297	489863.09, 3865877.25	2.44E-05	7.70E-09	3.27E-09	2.99E-05	9.43E-09	4.00E-09	2.62E-05	8.27E-09	3.51E-09
5298	490363.09, 3865877.25	2.45E-05	7.74E-09	3.29E-09	3.01E-05	9.48E-09	4.02E-09	2.64E-05	8.32E-09	3.53E-09
5299	490863.09, 3865877.25	2.46E-05	7.78E-09	3.30E-09	3.02E-05	9.52E-09	4.04E-09	2.65E-05	8.35E-09	3.54E-09
5300	491363.09, 3865877.25	2.45E-05	7.73E-09	3.28E-09	3.00E-05	9.47E-09	4.02E-09	2.63E-05	8.31E-09	3.53E-09
5301	491863.09, 3865877.25	2.47E-05	7.80E-09	3.31E-09	3.03E-05	9.56E-09	4.05E-09	2.66E-05	8.38E-09	3.56E-09
5302	492363.09, 3865877.25	2.45E-05	7.75E-09	3.29E-09	3.01E-05	9.49E-09	4.03E-09	2.64E-05	8.32E-09	3.53E-09
5303	492863.09, 3865877.25	2.07E-05	6.52E-09	2.77E-09	2.53E-05	7.99E-09	3.39E-09	2.22E-05	7.01E-09	2.97E-09
5304	493363.09, 3865877.25	2.10E-05	6.63E-09	2.81E-09	2.57E-05	8.12E-09	3.44E-09	2.25E-05	7.12E-09	3.02E-09
5305	493863.09, 3865877.25	2.34E-05	7.39E-09	3.13E-09	2.87E-05	9.05E-09	3.84E-09	2.51E-05	7.93E-09	3.37E-09
5306	494363.09, 3865877.25	2.45E-05	7.72E-09	3.27E-09	3.00E-05	9.45E-09	4.01E-09	2.63E-05	8.29E-09	3.52E-09
5307	494863.09, 3865877.25	2.49E-05	7.85E-09	3.33E-09	3.05E-05	9.62E-09	4.08E-09	2.67E-05	8.43E-09	3.58E-09
5308	495363.09, 3865877.25	2.52E-05	7.94E-09	3.37E-09	3.08E-05	9.73E-09	4.13E-09	2.70E-05	8.53E-09	3.62E-09

5309	495863.09, 3865877.25	2.60E-05	8.20E-09	3.48E-09	3.18E-05	1.00E-08	4.26E-09	2.79E-05	8.80E-09	3.73E-09
5310	496363.09, 3865877.25	2.63E-05	8.29E-09	3.52E-09	3.22E-05	1.02E-08	4.31E-09	2.82E-05	8.90E-09	3.78E-09
5311	496863.09, 3865877.25	2.58E-05	8.15E-09	3.46E-09	3.16E-05	9.98E-09	4.24E-09	2.77E-05	8.75E-09	3.71E-09
5312	497363.09, 3865877.25	2.46E-05	7.78E-09	3.30E-09	3.02E-05	9.53E-09	4.04E-09	2.65E-05	8.35E-09	3.54E-09
5313	497863.09, 3865877.25	2.37E-05	7.48E-09	3.17E-09	2.90E-05	9.16E-09	3.89E-09	2.54E-05	8.03E-09	3.41E-09
5314	498363.09, 3865877.25	2.30E-05	7.26E-09	3.08E-09	2.82E-05	8.89E-09	3.77E-09	2.47E-05	7.79E-09	3.31E-09
5315	471363.09, 3866377.25	1.31E-05	4.13E-09	1.75E-09	1.60E-05	5.06E-09	2.15E-09	1.41E-05	4.44E-09	1.88E-09
5316	471863.09, 3866377.25	1.34E-05	4.22E-09	1.79E-09	1.64E-05	5.17E-09	2.20E-09	1.44E-05	4.54E-09	1.93E-09
5317	472363.09, 3866377.25	1.37E-05	4.31E-09	1.83E-09	1.67E-05	5.28E-09	2.24E-09	1.47E-05	4.63E-09	1.97E-09
5318	472863.09, 3866377.25	1.39E-05	4.38E-09	1.86E-09	1.70E-05	5.37E-09	2.28E-09	1.49E-05	4.71E-09	2.00E-09
5319	473363.09, 3866377.25	1.43E-05	4.50E-09	1.91E-09	1.75E-05	5.52E-09	2.34E-09	1.53E-05	4.84E-09	2.05E-09
5320	473863.09, 3866377.25	1.47E-05	4.63E-09	1.96E-09	1.80E-05	5.67E-09	2.41E-09	1.58E-05	4.97E-09	2.11E-09
5321	474363.09, 3866377.25	1.51E-05	4.78E-09	2.03E-09	1.85E-05	5.85E-09	2.48E-09	1.63E-05	5.13E-09	2.18E-09
5322	474863.09, 3866377.25	1.57E-05	4.95E-09	2.10E-09	1.92E-05	6.06E-09	2.57E-09	1.68E-05	5.32E-09	2.26E-09
5323	475363.09, 3866377.25	1.62E-05	5.10E-09	2.17E-09	1.98E-05	6.25E-09	2.65E-09	1.74E-05	5.48E-09	2.33E-09
5324	475863.09, 3866377.25	1.67E-05	5.26E-09	2.23E-09	2.04E-05	6.44E-09	2.73E-09	1.79E-05	5.65E-09	2.40E-09
5325	476363.09, 3866377.25	1.76E-05	5.55E-09	2.35E-09	2.15E-05	6.80E-09	2.88E-09	1.89E-05	5.96E-09	2.53E-09
5326	476863.09, 3866377.25	1.81E-05	5.70E-09	2.42E-09	2.21E-05	6.98E-09	2.96E-09	1.94E-05	6.13E-09	2.60E-09
5327	477363.09, 3866377.25	1.90E-05	5.99E-09	2.54E-09	2.33E-05	7.34E-09	3.11E-09	2.04E-05	6.44E-09	2.73E-09
5328	477863.09, 3866377.25	1.93E-05	6.10E-09	2.59E-09	2.37E-05	7.47E-09	3.17E-09	2.08E-05	6.55E-09	2.78E-09
5329	478363.09, 3866377.25	1.97E-05	6.22E-09	2.64E-09	2.41E-05	7.61E-09	3.23E-09	2.12E-05	6.68E-09	2.83E-09
5330	478863.09, 3866377.25	2.03E-05	6.40E-09	2.71E-09	2.48E-05	7.84E-09	3.33E-09	2.18E-05	6.87E-09	2.92E-09
5331	479363.09, 3866377.25	2.08E-05	6.56E-09	2.79E-09	2.55E-05	8.04E-09	3.41E-09	2.23E-05	7.05E-09	2.99E-09
5332	479863.09, 3866377.25	2.13E-05	6.71E-09	2.85E-09	2.60E-05	8.22E-09	3.49E-09	2.28E-05	7.21E-09	3.06E-09
5333	480363.09, 3866377.25	2.16E-05	6.82E-09	2.90E-09	2.65E-05	8.36E-09	3.55E-09	2.32E-05	7.33E-09	3.11E-09
5334	480863.09, 3866377.25	2.20E-05	6.93E-09	2.94E-09	2.69E-05	8.49E-09	3.60E-09	2.36E-05	7.45E-09	3.16E-09
5335	481363.09, 3866377.25	2.24E-05	7.08E-09	3.00E-09	2.75E-05	8.67E-09	3.68E-09	2.41E-05	7.60E-09	3.22E-09
5336	481863.09, 3866377.25	2.27E-05	7.17E-09	3.04E-09	2.78E-05	8.78E-09	3.73E-09	2.44E-05	7.70E-09	3.27E-09
5337	482363.09, 3866377.25	2.29E-05	7.23E-09	3.07E-09	2.81E-05	8.86E-09	3.76E-09	2.46E-05	7.77E-09	3.30E-09
5338	482863.09, 3866377.25	2.31E-05	7.29E-09	3.09E-09	2.83E-05	8.93E-09	3.79E-09	2.48E-05	7.83E-09	3.32E-09
5339	483363.09, 3866377.25	2.32E-05	7.33E-09	3.11E-09	2.84E-05	8.98E-09	3.81E-09	2.50E-05	7.88E-09	3.34E-09
5340	483863.09, 3866377.25	2.34E-05	7.38E-09	3.13E-09	2.86E-05	9.04E-09	3.84E-09	2.51E-05	7.93E-09	3.37E-09
5341	484363.09, 3866377.25	2.34E-05	7.40E-09	3.14E-09	2.87E-05	9.06E-09	3.85E-09	2.52E-05	7.95E-09	3.37E-09
5342	484863.09, 3866377.25	2.34E-05	7.40E-09	3.14E-09	2.87E-05	9.06E-09	3.84E-09	2.52E-05	7.95E-09	3.37E-09
5343	485363.09, 3866377.25	2.31E-05	7.28E-09	3.09E-09	2.82E-05	8.91E-09	3.78E-09	2.48E-05	7.82E-09	3.32E-09
5344	485863.09, 3866377.25	2.27E-05	7.17E-09	3.04E-09	2.78E-05	8.79E-09	3.73E-09	2.44E-05	7.71E-09	3.27E-09
5345	486363.09, 3866377.25	2.26E-05	7.13E-09	3.03E-09	2.77E-05	8.74E-09	3.71E-09	2.43E-05	7.66E-09	3.25E-09
5346	486863.09, 3866377.25	2.25E-05	7.10E-09	3.01E-09	2.76E-05	8.70E-09	3.69E-09	2.42E-05	7.63E-09	3.24E-09
5347	487363.09, 3866377.25	2.29E-05	7.22E-09	3.06E-09	2.80E-05	8.84E-09	3.75E-09	2.46E-05	7.75E-09	3.29E-09
5348	487863.09, 3866377.25	2.32E-05	7.31E-09	3.10E-09	2.84E-05	8.95E-09	3.80E-09	2.49E-05	7.85E-09	3.33E-09
5349	488363.09, 3866377.25	2.32E-05	7.31E-09	3.10E-09	2.84E-05	8.95E-09	3.80E-09	2.49E-05	7.86E-09	3.33E-09
5350	488863.09, 3866377.25	2.34E-05	7.38E-09	3.13E-09	2.86E-05	9.04E-09	3.83E-09	2.51E-05	7.93E-09	3.36E-09
5351	489363.09, 3866377.25	2.33E-05	7.37E-09	3.13E-09	2.86E-05	9.02E-09	3.83E-09	2.51E-05	7.91E-09	3.36E-09
5352	489863.09, 3866377.25	2.31E-05	7.30E-09	3.10E-09	2.83E-05	8.94E-09	3.79E-09	2.48E-05	7.84E-09	3.33E-09
5353	490363.09, 3866377.25	2.27E-05	7.16E-09	3.04E-09	2.78E-05	8.77E-09	3.72E-09	2.44E-05	7.69E-09	3.26E-09
5354	490863.09, 3866377.25	2.24E-05	7.07E-09	3.00E-09	2.74E-05	8.66E-09	3.68E-09	2.41E-05	7.60E-09	3.22E-09
5355	491363.09, 3866377.25	2.26E-05	7.13E-09	3.02E-09	2.77E-05	8.73E-09	3.70E-09	2.43E-05	7.66E-09	3.25E-09
5356	491863.09, 3866377.25	2.23E-05	7.04E-09	2.98E-09	2.73E-05	8.62E-09	3.66E-09	2.39E-05	7.56E-09	3.21E-09
5357	492363.09, 3866377.25	2.26E-05	7.15E-09	3.03E-09	2.77E-05	8.76E-09	3.71E-09	2.43E-05	7.68E-09	3.26E-09
5358	492863.09, 3866377.25	2.14E-05	6.74E-09	2.86E-09	2.62E-05	8.25E-09	3.50E-09	2.29E-05	7.24E-09	3.07E-09
5359	493363.09, 3866377.25	2.15E-05	6.80E-09	2.89E-09	2.64E-05	8.33E-09	3.53E-09	2.31E-05	7.30E-09	3.10E-09
5360	493863.09, 3866377.25	2.26E-05	7.12E-09	3.02E-09	2.76E-05	8.72E-09	3.70E-09	2.42E-05	7.65E-09	3.24E-09
5361	494363.09, 3866377.25	2.33E-05	7.35E-09	3.12E-09	2.85E-05	9.01E-09	3.82E-09	2.50E-05	7.90E-09	3.35E-09
5362	494863.09, 3866377.25	2.29E-05	7.24E-09	3.07E-09	2.81E-05	8.87E-09	3.76E-09	2.46E-05	7.78E-09	3.30E-09
5363	495363.09, 3866377.25	2.22E-05	7.01E-09	2.98E-09	2.72E-05	8.59E-09	3.64E-09	2.39E-05	7.53E-09	3.20E-09
5364	495863.09, 3866377.25	2.26E-05	7.14E-09	3.03E-09	2.77E-05	8.75E-09	3.71E-09	2.43E-05	7.67E-09	3.26E-09
5365	496363.09, 3866377.25	2.40E-05	7.57E-09	3.21E-09	2.94E-05	9.27E-09	3.93E-09	2.57E-05	8.12E-09	3.45E-09
5366	496863.09, 3866377.25	2.42E-05	7.64E-09	3.24E-09	2.96E-05	9.36E-09	3.97E-09	2.60E-05	8.20E-09	3.48E-09
5367	497363.09, 3866377.25	2.38E-05	7.51E-09	3.19E-09	2.91E-05	9.20E-09	3.90E-09	2.55E-05	8.06E-09	3.42E-09
5368	497863.09, 3866377.25	2.28E-05	7.21E-09	3.06E-09	2.80E-05	8.83E-09	3.75E-09	2.45E-05	7.74E-09	3.28E-09
5369	498363.09, 3866377.25	2.08E-05	6.57E-09	2.79E-09	2.55E-05	8.04E-09	3.41E-09	2.23E-05	7.05E-09	2.99E-09
5370	474494.92, 3848334.16	1.52E-05	4.78E-09	2.03E-09	1.86E-05	5.86E-09	2.49E-09	1.63E-05	5.14E-09	2.18E-09
5371	475167.27, 3848920.79	1.73E-05	5.46E-09	2.32E-09	2.12E-05	6.69E-09	2.84E-09	1.86E-05	5.86E-09	2.49E-09
5372	475297.89, 3848997.96	1.76E-05	5.56E-09	2.36E-09	2.16E-05	6.81E-09	2.89E-09	1.89E-05	5.97E-09	2.53E-09

5373	475439.05, 3849062	1.76E-05	5.55E-09	2.35E-09	2.15E-05	6.80E-09	2.88E-09	1.89E-05	5.96E-09	2.53E-09
5374	475486.86, 3849061.09	1.75E-05	5.52E-09	2.34E-09	2.14E-05	6.76E-09	2.87E-09	1.88E-05	5.93E-09	2.51E-09
5375	475538.46, 3849075.56	1.76E-05	5.55E-09	2.36E-09	2.16E-05	6.80E-09	2.89E-09	1.89E-05	5.97E-09	2.53E-09
5376	475751.79, 3849137.15	1.83E-05	5.79E-09	2.46E-09	2.25E-05	7.09E-09	3.01E-09	1.97E-05	6.22E-09	2.64E-09
5377	476303.62, 3849223.38	1.93E-05	6.08E-09	2.58E-09	2.36E-05	7.44E-09	3.16E-09	2.07E-05	6.53E-09	2.77E-09
5378	476304.51, 3849238.92	1.94E-05	6.11E-09	2.59E-09	2.37E-05	7.48E-09	3.17E-09	2.08E-05	6.56E-09	2.78E-09
5379	476365.04, 3849247.98	1.95E-05	6.14E-09	2.60E-09	2.38E-05	7.52E-09	3.19E-09	2.09E-05	6.60E-09	2.80E-09
5380	476444.86, 3849267.13	1.95E-05	6.15E-09	2.61E-09	2.39E-05	7.53E-09	3.19E-09	2.09E-05	6.60E-09	2.80E-09
5381	476550.75, 3849300.66	1.98E-05	6.24E-09	2.65E-09	2.42E-05	7.65E-09	3.24E-09	2.13E-05	6.71E-09	2.85E-09
5382	476656.71, 3849346.88	2.01E-05	6.33E-09	2.69E-09	2.46E-05	7.75E-09	3.29E-09	2.15E-05	6.80E-09	2.89E-09
5383	476873.55, 3849454.53	2.08E-05	6.57E-09	2.79E-09	2.55E-05	8.05E-09	3.42E-09	2.24E-05	7.06E-09	3.00E-09
5384	477700, 3849859.7	2.38E-05	7.51E-09	3.19E-09	2.91E-05	9.20E-09	3.90E-09	2.56E-05	8.07E-09	3.42E-09
5385	477743.16, 3849856.38	2.35E-05	7.41E-09	3.15E-09	2.88E-05	9.08E-09	3.85E-09	2.52E-05	7.97E-09	3.38E-09
5386	478477.35, 3850216.33	2.55E-05	8.06E-09	3.42E-09	3.13E-05	9.87E-09	4.19E-09	2.74E-05	8.66E-09	3.68E-09
5387	478485.8, 3850201.6	2.55E-05	8.04E-09	3.41E-09	3.12E-05	9.85E-09	4.18E-09	2.74E-05	8.64E-09	3.67E-09
5388	479113.21, 3850501.53	3.09E-05	9.75E-09	4.13E-09	3.78E-05	1.19E-08	5.06E-09	3.32E-05	1.05E-08	4.44E-09
5389	479108.11, 3850382.28	3.07E-05	9.70E-09	4.12E-09	3.76E-05	1.19E-08	5.04E-09	3.30E-05	1.04E-08	4.42E-09
5390	479689.85, 3850674.28	3.66E-05	1.15E-08	4.90E-09	4.48E-05	1.41E-08	6.00E-09	3.93E-05	1.24E-08	5.27E-09
5391	479952.42, 3850774.28	4.03E-05	1.27E-08	5.40E-09	4.94E-05	1.56E-08	6.61E-09	4.33E-05	1.37E-08	5.80E-09
5392	479911.32, 3850884.85	3.97E-05	1.25E-08	5.31E-09	4.86E-05	1.53E-08	6.50E-09	4.26E-05	1.34E-08	5.71E-09
5393	480500.92, 3851178.12	4.87E-05	1.54E-08	6.53E-09	5.97E-05	1.88E-08	8.00E-09	5.24E-05	1.65E-08	7.01E-09
5394	480738.01, 3851289.27	5.26E-05	1.66E-08	7.04E-09	6.44E-05	2.03E-08	8.62E-09	5.65E-05	1.78E-08	7.56E-09
5395	481055.42, 3851443.58	5.76E-05	1.82E-08	7.71E-09	7.05E-05	2.23E-08	9.44E-09	6.18E-05	1.95E-08	8.28E-09
5396	481110.22, 3851443.15	5.81E-05	1.83E-08	7.78E-09	7.11E-05	2.25E-08	9.53E-09	6.24E-05	1.97E-08	8.36E-09
5397	481111.1, 3851417.45	5.77E-05	1.82E-08	7.73E-09	7.07E-05	2.23E-08	9.47E-09	6.20E-05	1.96E-08	8.31E-09
5398	482248.44, 3852605.09	9.83E-05	3.10E-08	1.32E-08	1.20E-04	3.80E-08	1.61E-08	1.06E-04	3.33E-08	1.41E-08
5399	482273.34, 3852632.31	9.99E-05	3.15E-08	1.34E-08	1.22E-04	3.86E-08	1.64E-08	1.07E-04	3.39E-08	1.44E-08
5400	482665.46, 3853038.72	1.33E-04	4.21E-08	1.79E-08	1.63E-04	5.15E-08	2.19E-08	1.43E-04	4.52E-08	1.92E-08
5401	483077.95, 3853844.31	1.40E-03	4.41E-07	1.87E-07	1.71E-03	5.40E-07	2.29E-07	1.51E-03	4.76E-07	2.02E-07
5402	483121.38, 3853909.38	1.32E-03	4.16E-07	1.77E-07	1.62E-03	5.10E-07	2.16E-07	1.42E-03	4.49E-07	1.91E-07
5403	483492.64, 3853911.49	6.71E-04	2.12E-07	8.98E-08	8.22E-04	2.59E-07	1.10E-07	7.23E-04	2.28E-07	9.68E-08
5404	483498.29, 3854204.73	9.22E-04	2.91E-07	1.23E-07	1.13E-03	3.56E-07	1.51E-07	9.93E-04	3.13E-07	1.33E-07
5405	484132.44, 3854662.55	1.89E-03	5.95E-07	2.53E-07	2.31E-03	7.29E-07	3.09E-07	2.03E-03	6.41E-07	2.72E-07
5406	484627.62, 3854876.13	7.16E-03	2.26E-06	9.59E-07	8.78E-03	2.77E-06	1.18E-06	7.68E-03	2.42E-06	1.03E-06
5407	484756.14, 3854949.04	6.86E-03	2.17E-06	9.19E-07	8.41E-03	2.65E-06	1.13E-06	7.33E-03	2.31E-06	9.82E-07
5408	486697.51, 3856599.17	6.58E-03	2.08E-06	8.82E-07	8.06E-03	2.55E-06	1.08E-06	7.11E-03	2.24E-06	9.52E-07
5409	487105.31, 3856962.27	6.22E-03	1.96E-06	8.32E-07	7.61E-03	2.40E-06	1.02E-06	6.70E-03	2.12E-06	8.97E-07
5410	487157.57, 3856901.7	4.73E-03	1.49E-06	6.33E-07	5.79E-03	1.83E-06	7.76E-07	5.10E-03	1.61E-06	6.83E-07
5411	487173.5, 3856853.74	4.18E-03	1.32E-06	5.60E-07	5.12E-03	1.62E-06	6.86E-07	4.51E-03	1.42E-06	6.04E-07
5412	487564.41, 3856860.83	2.50E-03	7.90E-07	3.35E-07	3.07E-03	9.68E-07	4.11E-07	2.69E-03	8.50E-07	3.61E-07
5413	487563.31, 3856931.58	2.57E-03	8.12E-07	3.45E-07	3.15E-03	9.95E-07	4.22E-07	2.76E-03	8.72E-07	3.70E-07
5414	487782.7, 3856926.85	2.11E-03	6.65E-07	2.82E-07	2.58E-03	8.14E-07	3.45E-07	2.26E-03	7.13E-07	3.02E-07
5415	487782.39, 3856757.07	1.98E-03	6.24E-07	2.65E-07	2.42E-03	7.64E-07	3.24E-07	2.13E-03	6.71E-07	2.85E-07
5416	487917.26, 3856752.41	1.79E-03	5.66E-07	2.40E-07	2.20E-03	6.93E-07	2.94E-07	1.93E-03	6.09E-07	2.58E-07
5417	487919.57, 3856953.35	1.91E-03	6.04E-07	2.56E-07	2.34E-03	7.39E-07	3.14E-07	2.05E-03	6.46E-07	2.74E-07
5418	487932.76, 3857000.32	1.93E-03	6.08E-07	2.58E-07	2.36E-03	7.44E-07	3.16E-07	2.06E-03	6.50E-07	2.76E-07
5419	487960.5, 3857044.75	1.92E-03	6.06E-07	2.57E-07	2.35E-03	7.42E-07	3.15E-07	2.05E-03	6.46E-07	2.74E-07
5420	488016.54, 3857089.54	1.88E-03	5.92E-07	2.51E-07	2.30E-03	7.25E-07	3.08E-07	2.00E-03	6.31E-07	2.68E-07
5421	488114.39, 3857165.47	1.80E-03	5.68E-07	2.41E-07	2.20E-03	6.95E-07	2.95E-07	1.91E-03	6.04E-07	2.56E-07
5422	488171.49, 3857234.24	1.76E-03	5.56E-07	2.36E-07	2.16E-03	6.81E-07	2.89E-07	1.87E-03	5.91E-07	2.51E-07
5423	488193.16, 3857297.8	1.76E-03	5.55E-07	2.35E-07	2.15E-03	6.80E-07	2.88E-07	1.87E-03	5.90E-07	2.50E-07
5424	488189.27, 3857649.94	1.91E-03	6.02E-07	2.55E-07	2.33E-03	7.37E-07	3.13E-07	2.04E-03	6.44E-07	2.73E-07
5425	488127.43, 3857732.32	2.07E-03	6.52E-07	2.77E-07	2.53E-03	7.99E-07	3.39E-07	2.22E-03	7.00E-07	2.97E-07
5426	488149.93, 3857752.94	1.99E-03	6.29E-07	2.67E-07	2.44E-03	7.70E-07	3.27E-07	2.14E-03	6.74E-07	2.86E-07
5427	488144.76, 3857758.71	2.00E-03	6.32E-07	2.68E-07	2.45E-03	7.74E-07	3.28E-07	2.15E-03	6.78E-07	2.88E-07
5428	488335.58, 3857932.55	1.41E-03	4.44E-07	1.89E-07	1.72E-03	5.44E-07	2.31E-07	1.51E-03	4.77E-07	2.02E-07
5429	488372.29, 3857943.79	1.36E-03	4.28E-07	1.82E-07	1.66E-03	5.24E-07	2.22E-07	1.46E-03	4.59E-07	1.95E-07
5430	488828.64, 3857936.4	1.01E-03	3.19E-07	1.35E-07	1.24E-03	3.90E-07	1.66E-07	1.08E-03	3.42E-07	1.45E-07
5431	488829.08, 3857959.58	1.00E-03	3.16E-07	1.34E-07	1.23E-03	3.87E-07	1.64E-07	1.07E-03	3.39E-07	1.44E-07
5432	488351.61, 3857964.55	1.36E-03	4.30E-07	1.82E-07	1.67E-03	5.26E-07	2.23E-07	1.46E-03	4.62E-07	1.96E-07
5433	488316.87, 3857947.65	1.42E-03	4.47E-07	1.90E-07	1.73E-03	5.47E-07	2.32E-07	1.52E-03	4.80E-07	2.04E-07
5434	488129.1, 3857775.77	2.03E-03	6.41E-07	2.72E-07	2.49E-03	7.84E-07	3.33E-07	2.18E-03	6.87E-07	2.92E-07
5435	488062.53, 3857846.13	2.09E-03	6.61E-07	2.80E-07	2.56E-03	8.09E-07	3.43E-07	2.25E-03	7.10E-07	3.01E-07
5436	488330.41, 3858091.34	1.34E-03	4.23E-07	1.80E-07	1.64E-03	5.18E-07	2.20E-07	1.44E-03	4.55E-07	1.93E-07

5437	488470.87, 3858174.45	1.23E-03	3.88E-07	1.64E-07	1.50E-03	4.75E-07	2.01E-07	1.32E-03	4.17E-07	1.77E-07
5438	488568.9, 3858262.31	1.21E-03	3.81E-07	1.62E-07	1.48E-03	4.67E-07	1.98E-07	1.30E-03	4.11E-07	1.74E-07
5439	488964.27, 3858025.71	9.15E-04	2.89E-07	1.23E-07	1.12E-03	3.54E-07	1.50E-07	9.82E-04	3.10E-07	1.32E-07
5440	489147.25, 3857956.64	8.63E-04	2.73E-07	1.16E-07	1.06E-03	3.34E-07	1.42E-07	9.26E-04	2.92E-07	1.24E-07
5441	489343.52, 3857932.45	8.04E-04	2.54E-07	1.08E-07	9.85E-04	3.11E-07	1.32E-07	8.63E-04	2.72E-07	1.16E-07
5442	489866.19, 3857923.19	6.67E-04	2.11E-07	8.93E-08	8.17E-04	2.58E-07	1.09E-07	7.15E-04	2.26E-07	9.58E-08
5443	489955.65, 3857902.27	6.51E-04	2.06E-07	8.72E-08	7.97E-04	2.52E-07	1.07E-07	6.98E-04	2.20E-07	9.35E-08
5444	490079.44, 3857847.9	6.35E-04	2.00E-07	8.50E-08	7.77E-04	2.45E-07	1.04E-07	6.80E-04	2.15E-07	9.11E-08
5445	490108.49, 3857934.13	6.14E-04	1.94E-07	8.22E-08	7.52E-04	2.37E-07	1.01E-07	6.59E-04	2.08E-07	8.82E-08
5446	489884.48, 3858014.17	6.46E-04	2.04E-07	8.65E-08	7.91E-04	2.50E-07	1.06E-07	6.93E-04	2.19E-07	9.28E-08
5447	489326.56, 3858025.86	7.85E-04	2.48E-07	1.05E-07	9.62E-04	3.04E-07	1.29E-07	8.43E-04	2.66E-07	1.13E-07
5448	489130.38, 3858056.71	8.43E-04	2.66E-07	1.13E-07	1.03E-03	3.26E-07	1.38E-07	9.04E-04	2.85E-07	1.21E-07
5449	488936.49, 3858143.93	9.06E-04	2.86E-07	1.21E-07	1.11E-03	3.50E-07	1.49E-07	9.73E-04	3.07E-07	1.30E-07
5450	488638.08, 3858327.45	1.19E-03	3.77E-07	1.60E-07	1.46E-03	4.62E-07	1.96E-07	1.29E-03	4.06E-07	1.72E-07
5451	488663.79, 3858349.57	1.19E-03	3.75E-07	1.59E-07	1.46E-03	4.60E-07	1.95E-07	1.28E-03	4.04E-07	1.71E-07
5452	488694.56, 3858349.5	1.15E-03	3.63E-07	1.54E-07	1.41E-03	4.45E-07	1.89E-07	1.24E-03	3.91E-07	1.66E-07
5453	488694.35, 3858336.75	1.14E-03	3.59E-07	1.52E-07	1.39E-03	4.39E-07	1.86E-07	1.22E-03	3.86E-07	1.64E-07
5454	488712.81, 3858336.38	1.12E-03	3.52E-07	1.49E-07	1.37E-03	4.31E-07	1.83E-07	1.20E-03	3.79E-07	1.61E-07
5455	488713.23, 3858367.46	1.15E-03	3.62E-07	1.54E-07	1.41E-03	4.44E-07	1.88E-07	1.24E-03	3.90E-07	1.66E-07
5456	488704.63, 3858384.05	1.18E-03	3.72E-07	1.58E-07	1.44E-03	4.56E-07	1.93E-07	1.27E-03	4.01E-07	1.70E-07
5457	488604.15, 3858488.29	1.67E-03	5.27E-07	2.24E-07	2.05E-03	6.46E-07	2.74E-07	1.80E-03	5.68E-07	2.41E-07
5458	488605.66, 3858550.47	2.04E-03	6.44E-07	2.73E-07	2.50E-03	7.89E-07	3.35E-07	2.20E-03	6.95E-07	2.95E-07
5459	488692.68, 3858548.71	1.62E-03	5.11E-07	2.17E-07	1.98E-03	6.26E-07	2.66E-07	1.75E-03	5.51E-07	2.34E-07
5460	488759.93, 3858461.81	1.22E-03	3.84E-07	1.63E-07	1.49E-03	4.70E-07	2.00E-07	1.31E-03	4.14E-07	1.76E-07
5461	488816.57, 3858541.79	1.27E-03	4.01E-07	1.70E-07	1.56E-03	4.91E-07	2.08E-07	1.37E-03	4.32E-07	1.83E-07
5462	488944.63, 3858656.77	1.27E-03	3.99E-07	1.69E-07	1.55E-03	4.89E-07	2.08E-07	1.36E-03	4.31E-07	1.83E-07
5463	489134.91, 3858830.7	1.01E-03	3.19E-07	1.35E-07	1.24E-03	3.91E-07	1.66E-07	1.09E-03	3.44E-07	1.46E-07
5464	489193.99, 3858886.05	7.89E-04	2.49E-07	1.06E-07	9.66E-04	3.05E-07	1.29E-07	8.50E-04	2.68E-07	1.14E-07
5465	489295.2, 3858954.34	5.73E-04	1.81E-07	7.67E-08	7.01E-04	2.21E-07	9.39E-08	6.17E-04	1.95E-07	8.26E-08
5466	489295.64, 3858992.74	5.14E-04	1.62E-07	6.88E-08	6.29E-04	1.99E-07	8.43E-08	5.53E-04	1.75E-07	7.41E-08
5467	489183.74, 3858911.72	7.40E-04	2.33E-07	9.90E-08	9.06E-04	2.86E-07	1.21E-07	7.97E-04	2.52E-07	1.07E-07
5468	488873.37, 3858625.59	1.35E-03	4.26E-07	1.81E-07	1.65E-03	5.22E-07	2.22E-07	1.46E-03	4.60E-07	1.95E-07
5469	488842.84, 3858658.69	1.55E-03	4.90E-07	2.08E-07	1.90E-03	6.01E-07	2.55E-07	1.68E-03	5.29E-07	2.25E-07
5470	488856.39, 3858670.93	1.56E-03	4.91E-07	2.08E-07	1.91E-03	6.01E-07	2.55E-07	1.68E-03	5.30E-07	2.25E-07
5471	488805.7, 3858724.5	2.18E-03	6.88E-07	2.92E-07	2.67E-03	8.43E-07	3.58E-07	2.35E-03	7.43E-07	3.15E-07
5472	488805.87, 3858804.16	3.62E-03	1.14E-06	4.85E-07	4.44E-03	1.40E-06	5.94E-07	3.91E-03	1.23E-06	5.24E-07
5473	488995.78, 3858936.96	8.47E-04	2.67E-07	1.13E-07	1.04E-03	3.27E-07	1.39E-07	9.13E-04	2.88E-07	1.22E-07
5474	489130.76, 3859017.38	5.06E-04	1.60E-07	6.77E-08	6.19E-04	1.95E-07	8.29E-08	5.44E-04	1.72E-07	7.29E-08
5475	489130.92, 3859052.24	4.43E-04	1.40E-07	5.94E-08	5.43E-04	1.71E-07	7.27E-08	4.77E-04	1.51E-07	6.39E-08
5476	489200.33, 3859090.6	3.94E-04	1.24E-07	5.28E-08	4.83E-04	1.52E-07	6.46E-08	4.24E-04	1.34E-07	5.68E-08
5477	489296.07, 3859143.7	3.45E-04	1.09E-07	4.63E-08	4.23E-04	1.34E-07	5.67E-08	3.72E-04	1.17E-07	4.98E-08
5478	489296.43, 3858954.74	5.71E-04	1.80E-07	7.65E-08	7.00E-04	2.21E-07	9.37E-08	6.15E-04	1.94E-07	8.24E-08
5479	489410.33, 3859033.19	4.38E-04	1.38E-07	5.86E-08	5.36E-04	1.69E-07	7.18E-08	4.71E-04	1.49E-07	6.31E-08
5480	489371.37, 3859089.8	3.89E-04	1.23E-07	5.21E-08	4.77E-04	1.51E-07	6.39E-08	4.19E-04	1.32E-07	5.61E-08
5481	489390.52, 3859102.82	3.77E-04	1.19E-07	5.05E-08	4.62E-04	1.46E-07	6.18E-08	4.06E-04	1.28E-07	5.43E-08
5482	489382.3, 3859114.53	3.68E-04	1.16E-07	4.92E-08	4.50E-04	1.42E-07	6.03E-08	3.96E-04	1.25E-07	5.30E-08
5483	489363.04, 3859102.45	3.79E-04	1.20E-07	5.07E-08	4.64E-04	1.46E-07	6.21E-08	4.08E-04	1.29E-07	5.46E-08
5484	489337.52, 3859140.71	3.48E-04	1.10E-07	4.66E-08	4.26E-04	1.34E-07	5.70E-08	3.74E-04	1.18E-07	5.01E-08
5485	489375.14, 3859164.55	3.30E-04	1.04E-07	4.43E-08	4.05E-04	1.28E-07	5.42E-08	3.55E-04	1.12E-07	4.76E-08
5486	489409.3, 3859114.5	3.66E-04	1.16E-07	4.91E-08	4.49E-04	1.42E-07	6.01E-08	3.94E-04	1.24E-07	5.28E-08
5487	489434.87, 3859131.81	3.52E-04	1.11E-07	4.72E-08	4.31E-04	1.36E-07	5.78E-08	3.79E-04	1.20E-07	5.07E-08
5488	489471.87, 3859075.75	3.91E-04	1.23E-07	5.24E-08	4.79E-04	1.51E-07	6.42E-08	4.21E-04	1.33E-07	5.64E-08
5489	489602.62, 3859164.69	3.24E-04	1.02E-07	4.33E-08	3.96E-04	1.25E-07	5.31E-08	3.48E-04	1.10E-07	4.66E-08
5490	489558.29, 3859232.45	2.91E-04	9.19E-08	3.90E-08	3.57E-04	1.13E-07	4.78E-08	3.13E-04	9.88E-08	4.19E-08
5491	489620.11, 3859273.56	2.73E-04	8.60E-08	3.65E-08	3.34E-04	1.05E-07	4.47E-08	2.93E-04	9.25E-08	3.93E-08
5492	489666.06, 3859206.42	3.00E-04	9.48E-08	4.02E-08	3.68E-04	1.16E-07	4.93E-08	3.23E-04	1.02E-07	4.33E-08
5493	489787.9, 3859285.65	2.66E-04	8.38E-08	3.56E-08	3.25E-04	1.03E-07	4.36E-08	2.86E-04	9.01E-08	3.82E-08
5494	489752.17, 3859343.13	2.47E-04	7.79E-08	3.31E-08	3.02E-04	9.55E-08	4.05E-08	2.65E-04	8.38E-08	3.55E-08
5495	489814.94, 3859385.33	2.34E-04	7.39E-08	3.13E-08	2.87E-04	9.05E-08	3.84E-08	2.52E-04	7.94E-08	3.37E-08
5496	489853.42, 3859330.74	2.50E-04	7.88E-08	3.34E-08	3.06E-04	9.65E-08	4.10E-08	2.68E-04	8.47E-08	3.59E-08
5497	489969.5, 3859401.91	2.28E-04	7.21E-08	3.06E-08	2.80E-04	8.83E-08	3.75E-08	2.46E-04	7.75E-08	3.29E-08
5498	490166.91, 3859486.96	2.07E-04	6.53E-08	2.77E-08	2.53E-04	8.00E-08	3.39E-08	2.22E-04	7.02E-08	2.98E-08
5499	490128.86, 3859571.46	1.90E-04	6.01E-08	2.55E-08	2.33E-04	7.36E-08	3.12E-08	2.05E-04	6.46E-08	2.74E-08
5500	490186.65, 3859593.65	1.86E-04	5.88E-08	2.50E-08	2.28E-04	7.21E-08	3.06E-08	2.00E-04	6.32E-08	2.68E-08

5501	490223.74, 3859517.48	2.01E-04	6.33E-08	2.68E-08	2.46E-04	7.75E-08	3.29E-08	2.15E-04	6.80E-08	2.89E-08
5502	490846.34, 3859817.22	1.56E-04	4.91E-08	2.08E-08	1.91E-04	6.02E-08	2.55E-08	1.67E-04	5.28E-08	2.24E-08
5503	490925.65, 3859844.59	1.53E-04	4.82E-08	2.05E-08	1.87E-04	5.91E-08	2.51E-08	1.64E-04	5.18E-08	2.20E-08
5504	491159.29, 3859896.28	1.46E-04	4.62E-08	1.96E-08	1.79E-04	5.66E-08	2.40E-08	1.57E-04	4.96E-08	2.11E-08
5505	491370.69, 3859960.89	1.39E-04	4.39E-08	1.86E-08	1.70E-04	5.38E-08	2.28E-08	1.49E-04	4.71E-08	2.00E-08
5506	491330.28, 3860063.17	1.29E-04	4.06E-08	1.72E-08	1.57E-04	4.97E-08	2.11E-08	1.38E-04	4.36E-08	1.85E-08
5507	491636.45, 3860180.75	1.20E-04	3.79E-08	1.61E-08	1.47E-04	4.64E-08	1.97E-08	1.29E-04	4.07E-08	1.73E-08
5508	491617.94, 3860203.93	1.18E-04	3.72E-08	1.58E-08	1.44E-04	4.56E-08	1.93E-08	1.27E-04	4.00E-08	1.70E-08
5509	491805.68, 3860271.59	1.14E-04	3.58E-08	1.52E-08	1.39E-04	4.39E-08	1.86E-08	1.22E-04	3.85E-08	1.63E-08
5510	491654.23, 3860414.02	1.04E-04	3.28E-08	1.39E-08	1.27E-04	4.01E-08	1.70E-08	1.12E-04	3.52E-08	1.49E-08
5511	491592.62, 3860510.76	9.75E-05	3.08E-08	1.31E-08	1.19E-04	3.77E-08	1.60E-08	1.05E-04	3.31E-08	1.40E-08
5512	491475.41, 3860368.93	1.05E-04	3.32E-08	1.41E-08	1.29E-04	4.06E-08	1.72E-08	1.13E-04	3.56E-08	1.51E-08
5513	491445.61, 3860337.28	1.07E-04	3.37E-08	1.43E-08	1.31E-04	4.13E-08	1.75E-08	1.15E-04	3.62E-08	1.54E-08
5514	491399.05, 3860300.37	1.09E-04	3.45E-08	1.47E-08	1.34E-04	4.23E-08	1.79E-08	1.18E-04	3.71E-08	1.57E-08
5515	491228.84, 3860235.98	1.14E-04	3.58E-08	1.52E-08	1.39E-04	4.39E-08	1.86E-08	1.22E-04	3.85E-08	1.63E-08
5516	491228.47, 3860174.57	1.18E-04	3.74E-08	1.59E-08	1.45E-04	4.58E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
5517	491145.77, 3860112.55	1.24E-04	3.91E-08	1.66E-08	1.52E-04	4.78E-08	2.03E-08	1.33E-04	4.19E-08	1.78E-08
5518	490844.41, 3859966.22	1.38E-04	4.37E-08	1.85E-08	1.70E-04	5.35E-08	2.27E-08	1.49E-04	4.69E-08	1.99E-08
5519	490845.55, 3859928.15	1.42E-04	4.50E-08	1.91E-08	1.74E-04	5.51E-08	2.34E-08	1.53E-04	4.83E-08	2.05E-08
5520	490046.91, 3859625.6	1.82E-04	5.73E-08	2.43E-08	2.23E-04	7.02E-08	2.98E-08	1.95E-04	6.16E-08	2.61E-08
5521	489970.48, 3859589.4	1.88E-04	5.94E-08	2.52E-08	2.31E-04	7.28E-08	3.09E-08	2.02E-04	6.39E-08	2.71E-08
5522	489865.89, 3859529.06	2.00E-04	6.32E-08	2.68E-08	2.45E-04	7.74E-08	3.28E-08	2.15E-04	6.79E-08	2.88E-08
5523	489826.89, 3859531.74	2.00E-04	6.32E-08	2.68E-08	2.45E-04	7.74E-08	3.28E-08	2.15E-04	6.79E-08	2.88E-08
5524	489410.47, 3859303.06	2.63E-04	8.31E-08	3.53E-08	3.22E-04	1.02E-07	4.32E-08	2.83E-04	8.93E-08	3.79E-08
5525	489407.15, 3859286.09	2.69E-04	8.49E-08	3.60E-08	3.30E-04	1.04E-07	4.41E-08	2.89E-04	9.13E-08	3.87E-08
5526	488806.07, 3858963.62	6.47E-04	2.04E-07	8.67E-08	7.93E-04	2.50E-07	1.06E-07	6.98E-04	2.20E-07	9.34E-08
5527	488817.64, 3859546.3	2.00E-04	6.31E-08	2.68E-08	2.45E-04	7.73E-08	3.28E-08	2.15E-04	6.78E-08	2.88E-08
5528	489187.25, 3859549.52	2.04E-04	6.44E-08	2.73E-08	2.50E-04	7.89E-08	3.35E-08	2.19E-04	6.92E-08	2.94E-08
5529	489187.66, 3859523.74	2.10E-04	6.61E-08	2.81E-08	2.57E-04	8.10E-08	3.44E-08	2.25E-04	7.11E-08	3.02E-08
5530	489232.59, 3859522.85	2.11E-04	6.65E-08	2.82E-08	2.58E-04	8.14E-08	3.45E-08	2.26E-04	7.14E-08	3.03E-08
5531	489224.98, 3859759.91	1.69E-04	5.34E-08	2.27E-08	2.07E-04	6.54E-08	2.77E-08	1.82E-04	5.74E-08	2.43E-08
5532	488401.39, 3859763.34	1.61E-04	5.08E-08	2.16E-08	1.97E-04	6.22E-08	2.64E-08	1.73E-04	5.46E-08	2.32E-08
5533	488405.51, 3859966.16	1.39E-04	4.40E-08	1.87E-08	1.71E-04	5.39E-08	2.29E-08	1.50E-04	4.73E-08	2.01E-08
5534	489202.85, 3859956.57	1.46E-04	4.61E-08	1.96E-08	1.79E-04	5.65E-08	2.40E-08	1.57E-04	4.95E-08	2.10E-08
5535	489191.9, 3860676.74	9.57E-05	3.02E-08	1.28E-08	1.17E-04	3.70E-08	1.57E-08	1.03E-04	3.24E-08	1.38E-08
5536	488392.82, 3860687.88	9.41E-05	2.97E-08	1.26E-08	1.15E-04	3.64E-08	1.54E-08	1.01E-04	3.19E-08	1.35E-08
5537	488392.82, 3860760.27	9.16E-05	2.89E-08	1.23E-08	1.12E-04	3.54E-08	1.50E-08	9.84E-05	3.11E-08	1.32E-08
5538	487549.05, 3860777.45	8.86E-05	2.80E-08	1.19E-08	1.09E-04	3.43E-08	1.45E-08	9.52E-05	3.01E-08	1.28E-08
5539	487554.62, 3859571.83	1.72E-04	5.43E-08	2.30E-08	2.11E-04	6.65E-08	2.82E-08	1.85E-04	5.83E-08	2.47E-08
5540	485949.46, 3859558.54	1.48E-04	4.67E-08	1.98E-08	1.81E-04	5.72E-08	2.43E-08	1.59E-04	5.02E-08	2.13E-08
5541	485947.55, 3857943.61	4.08E-04	1.29E-07	5.47E-08	5.00E-04	1.58E-07	6.70E-08	4.38E-04	1.38E-07	5.87E-08
5542	484738.38, 3857940.21	2.63E-04	8.29E-08	3.52E-08	3.22E-04	1.01E-07	4.31E-08	2.82E-04	8.91E-08	3.78E-08
5543	484737.06, 3857535.68	3.22E-04	1.02E-07	4.32E-08	3.95E-04	1.25E-07	5.29E-08	3.47E-04	1.09E-07	4.64E-08
5544	483730.2, 3857530.13	2.31E-04	7.30E-08	3.10E-08	2.83E-04	8.95E-08	3.80E-08	2.49E-04	7.85E-08	3.33E-08
5545	483727.27, 3857130.01	2.71E-04	8.54E-08	3.63E-08	3.32E-04	1.05E-07	4.44E-08	2.91E-04	9.18E-08	3.90E-08
5546	483124.42, 3857123.45	2.19E-04	6.93E-08	2.94E-08	2.69E-04	8.48E-08	3.60E-08	2.36E-04	7.44E-08	3.16E-08
5547	483111.13, 3855921.03	3.22E-04	1.02E-07	4.32E-08	3.95E-04	1.25E-07	5.29E-08	3.46E-04	1.09E-07	4.64E-08
5548	482701.73, 3855918.24	2.65E-04	8.36E-08	3.55E-08	3.24E-04	1.02E-07	4.34E-08	2.84E-04	8.97E-08	3.81E-08
5549	482668.02, 3853521.78	2.85E-04	9.00E-08	3.82E-08	3.49E-04	1.10E-07	4.68E-08	3.07E-04	9.70E-08	4.11E-08
5550	482579.91, 3853219.19	1.52E-04	4.79E-08	2.03E-08	1.86E-04	5.86E-08	2.49E-08	1.63E-04	5.15E-08	2.18E-08
5551	482434.06, 3852961.94	1.22E-04	3.84E-08	1.63E-08	1.49E-04	4.70E-08	2.00E-08	1.31E-04	4.13E-08	1.75E-08
5552	482332.11, 3852832.85	1.11E-04	3.50E-08	1.49E-08	1.36E-04	4.29E-08	1.82E-08	1.19E-04	3.76E-08	1.60E-08
5553	481334.99, 3851818.96	6.53E-05	2.06E-08	8.74E-09	8.00E-05	2.52E-08	1.07E-08	7.01E-05	2.21E-08	9.39E-09
5554	481127.62, 3851646.36	6.03E-05	1.90E-08	8.08E-09	7.39E-05	2.33E-08	9.90E-09	6.48E-05	2.05E-08	8.68E-09
5555	481025.04, 3851591.73	5.84E-05	1.84E-08	7.82E-09	7.15E-05	2.26E-08	9.58E-09	6.27E-05	1.98E-08	8.40E-09
5556	480513.6, 3851335.76	4.91E-05	1.55E-08	6.57E-09	6.01E-05	1.90E-08	8.05E-09	5.27E-05	1.66E-08	7.06E-09
5557	480523.56, 3851317.66	4.93E-05	1.55E-08	6.60E-09	6.03E-05	1.90E-08	8.08E-09	5.29E-05	1.67E-08	7.09E-09
5558	476921.56, 3849569.11	2.21E-05	6.96E-09	2.95E-09	2.70E-05	8.52E-09	3.62E-09	2.37E-05	7.48E-09	3.17E-09
5559	476521.19, 3849373.96	2.05E-05	6.47E-09	2.74E-09	2.51E-05	7.92E-09	3.36E-09	2.20E-05	6.95E-09	2.95E-09
5560	476391.45, 3849333.38	2.03E-05	6.40E-09	2.72E-09	2.48E-05	7.84E-09	3.33E-09	2.18E-05	6.88E-09	2.92E-09
5561	476219.41, 3849304.29	2.01E-05	6.35E-09	2.69E-09	2.46E-05	7.78E-09	3.30E-09	2.16E-05	6.82E-09	2.89E-09
5562	475679.11, 3849218.47	1.92E-05	6.06E-09	2.57E-09	2.35E-05	7.42E-09	3.15E-09	2.06E-05	6.51E-09	2.76E-09
5563	475677.71, 3849233.88	1.93E-05	6.09E-09	2.59E-09	2.36E-05	7.46E-09	3.17E-09	2.07E-05	6.55E-09	2.78E-09
5564	475492.74, 3849204.66	1.75E-05	5.53E-09	2.34E-09	2.14E-05	6.77E-09	2.87E-09	1.88E-05	5.94E-09	2.52E-09

5565	475497.64, 3849158.75	1.79E-05	5.65E-09	2.40E-09	2.19E-05	6.93E-09	2.94E-09	1.92E-05	6.07E-09	2.58E-09
5566	475391.35, 3849141.94	1.83E-05	5.79E-09	2.46E-09	2.25E-05	7.09E-09	3.01E-09	1.97E-05	6.22E-09	2.64E-09
5567	475277, 3849095.47	1.83E-05	5.77E-09	2.45E-09	2.24E-05	7.07E-09	3.00E-09	1.96E-05	6.20E-09	2.63E-09
5568	475183.93, 3849025.66	1.79E-05	5.66E-09	2.40E-09	2.20E-05	6.93E-09	2.94E-09	1.93E-05	6.08E-09	2.58E-09
5569	474453.23, 3848378.77	1.55E-05	4.89E-09	2.08E-09	1.90E-05	5.99E-09	2.54E-09	1.67E-05	5.26E-09	2.23E-09
5570	474569.63, 3848399.34	1.54E-05	4.86E-09	2.06E-09	1.89E-05	5.96E-09	2.53E-09	1.66E-05	5.22E-09	2.22E-09
5571	474644.33, 3848464.52	1.57E-05	4.94E-09	2.10E-09	1.92E-05	6.06E-09	2.57E-09	1.68E-05	5.31E-09	2.25E-09
5572	474719.04, 3848529.7	1.59E-05	5.02E-09	2.13E-09	1.95E-05	6.15E-09	2.61E-09	1.71E-05	5.39E-09	2.29E-09
5573	474793.74, 3848594.88	1.60E-05	5.06E-09	2.15E-09	1.96E-05	6.20E-09	2.63E-09	1.72E-05	5.44E-09	2.31E-09
5574	474868.45, 3848660.07	1.61E-05	5.08E-09	2.16E-09	1.97E-05	6.22E-09	2.64E-09	1.73E-05	5.46E-09	2.32E-09
5575	474943.15, 3848725.25	1.63E-05	5.14E-09	2.18E-09	1.99E-05	6.29E-09	2.67E-09	1.75E-05	5.52E-09	2.34E-09
5576	475017.86, 3848790.43	1.66E-05	5.23E-09	2.22E-09	2.03E-05	6.41E-09	2.72E-09	1.78E-05	5.62E-09	2.38E-09
5577	475092.56, 3848855.61	1.69E-05	5.35E-09	2.27E-09	2.08E-05	6.55E-09	2.78E-09	1.82E-05	5.75E-09	2.44E-09
5578	475232.58, 3848959.38	1.75E-05	5.51E-09	2.34E-09	2.14E-05	6.76E-09	2.87E-09	1.88E-05	5.92E-09	2.51E-09
5579	475368.47, 3849029.98	1.77E-05	5.58E-09	2.37E-09	2.17E-05	6.84E-09	2.90E-09	1.90E-05	6.00E-09	2.54E-09
5580	475609.57, 3849096.09	1.78E-05	5.62E-09	2.38E-09	2.18E-05	6.89E-09	2.92E-09	1.91E-05	6.04E-09	2.56E-09
5581	475680.68, 3849116.62	1.82E-05	5.74E-09	2.43E-09	2.23E-05	7.03E-09	2.98E-09	1.95E-05	6.16E-09	2.62E-09
5582	475843.76, 3849151.52	1.86E-05	5.88E-09	2.49E-09	2.28E-05	7.20E-09	3.05E-09	2.00E-05	6.31E-09	2.68E-09
5583	475935.73, 3849165.89	1.90E-05	6.01E-09	2.55E-09	2.33E-05	7.36E-09	3.12E-09	2.05E-05	6.46E-09	2.74E-09
5584	476027.71, 3849180.27	1.94E-05	6.11E-09	2.59E-09	2.37E-05	7.49E-09	3.18E-09	2.08E-05	6.57E-09	2.79E-09
5585	476119.68, 3849194.64	1.91E-05	6.04E-09	2.56E-09	2.34E-05	7.40E-09	3.14E-09	2.06E-05	6.49E-09	2.75E-09
5586	476211.65, 3849209.01	1.92E-05	6.05E-09	2.57E-09	2.35E-05	7.41E-09	3.15E-09	2.06E-05	6.50E-09	2.76E-09
5587	476497.81, 3849283.9	1.96E-05	6.19E-09	2.63E-09	2.40E-05	7.59E-09	3.22E-09	2.11E-05	6.66E-09	2.82E-09
5588	476603.73, 3849323.77	1.99E-05	6.29E-09	2.67E-09	2.44E-05	7.71E-09	3.27E-09	2.14E-05	6.76E-09	2.87E-09
5589	476728.99, 3849382.76	2.03E-05	6.41E-09	2.72E-09	2.49E-05	7.86E-09	3.33E-09	2.18E-05	6.89E-09	2.92E-09
5590	476801.27, 3849418.65	2.06E-05	6.50E-09	2.76E-09	2.52E-05	7.96E-09	3.38E-09	2.21E-05	6.98E-09	2.96E-09
5591	476956.2, 3849495.05	2.12E-05	6.68E-09	2.84E-09	2.59E-05	8.19E-09	3.47E-09	2.28E-05	7.18E-09	3.05E-09
5592	477038.84, 3849535.56	2.13E-05	6.73E-09	2.86E-09	2.61E-05	8.25E-09	3.50E-09	2.29E-05	7.23E-09	3.07E-09
5593	477121.49, 3849576.08	2.16E-05	6.82E-09	2.90E-09	2.65E-05	8.36E-09	3.55E-09	2.32E-05	7.33E-09	3.11E-09
5594	477204.13, 3849616.6	2.18E-05	6.88E-09	2.92E-09	2.67E-05	8.43E-09	3.58E-09	2.34E-05	7.39E-09	3.14E-09
5595	477286.78, 3849657.12	2.16E-05	6.81E-09	2.89E-09	2.64E-05	8.34E-09	3.54E-09	2.32E-05	7.32E-09	3.10E-09
5596	477369.42, 3849697.63	2.23E-05	7.05E-09	2.99E-09	2.73E-05	8.63E-09	3.66E-09	2.40E-05	7.57E-09	3.21E-09
5597	477452.07, 3849738.15	2.25E-05	7.09E-09	3.01E-09	2.75E-05	8.68E-09	3.68E-09	2.41E-05	7.62E-09	3.23E-09
5598	477534.71, 3849778.67	2.31E-05	7.29E-09	3.09E-09	2.83E-05	8.92E-09	3.79E-09	2.48E-05	7.83E-09	3.32E-09
5599	477617.36, 3849819.18	2.33E-05	7.35E-09	3.12E-09	2.85E-05	9.01E-09	3.82E-09	2.50E-05	7.90E-09	3.35E-09
5600	477824.74, 3849896.37	2.39E-05	7.55E-09	3.21E-09	2.93E-05	9.25E-09	3.93E-09	2.57E-05	8.12E-09	3.44E-09
5601	477906.31, 3849936.37	2.36E-05	7.44E-09	3.16E-09	2.89E-05	9.11E-09	3.87E-09	2.53E-05	7.99E-09	3.39E-09
5602	477987.89, 3849976.36	2.41E-05	7.60E-09	3.23E-09	2.95E-05	9.31E-09	3.95E-09	2.59E-05	8.17E-09	3.47E-09
5603	478069.47, 3850016.36	2.39E-05	7.55E-09	3.20E-09	2.93E-05	9.25E-09	3.92E-09	2.57E-05	8.11E-09	3.44E-09
5604	478151.04, 3850056.35	2.38E-05	7.52E-09	3.19E-09	2.92E-05	9.21E-09	3.91E-09	2.56E-05	8.08E-09	3.43E-09
5605	478232.62, 3850096.35	2.42E-05	7.63E-09	3.24E-09	2.96E-05	9.35E-09	3.97E-09	2.60E-05	8.20E-09	3.48E-09
5606	478314.2, 3850136.34	2.46E-05	7.76E-09	3.29E-09	3.01E-05	9.51E-09	4.03E-09	2.64E-05	8.34E-09	3.54E-09
5607	478395.77, 3850176.34	2.51E-05	7.91E-09	3.36E-09	3.07E-05	9.69E-09	4.11E-09	2.69E-05	8.50E-09	3.61E-09
5608	478575.43, 3850244.45	2.61E-05	8.24E-09	3.50E-09	3.20E-05	1.01E-08	4.28E-09	2.81E-05	8.86E-09	3.76E-09
5609	478665.06, 3850287.29	2.68E-05	8.46E-09	3.59E-09	3.29E-05	1.04E-08	4.40E-09	2.88E-05	9.10E-09	3.86E-09
5610	478754.69, 3850330.14	2.76E-05	8.70E-09	3.69E-09	3.38E-05	1.07E-08	4.52E-09	2.96E-05	9.35E-09	3.97E-09
5611	478844.32, 3850372.99	2.84E-05	8.97E-09	3.80E-09	3.48E-05	1.10E-08	4.66E-09	3.05E-05	9.64E-09	4.09E-09
5612	478933.95, 3850415.84	2.94E-05	9.26E-09	3.93E-09	3.60E-05	1.13E-08	4.81E-09	3.15E-05	9.96E-09	4.22E-09
5613	479023.58, 3850458.68	3.00E-05	9.45E-09	4.01E-09	3.67E-05	1.16E-08	4.91E-09	3.22E-05	1.02E-08	4.31E-09
5614	479110.66, 3850441.91	3.08E-05	9.73E-09	4.13E-09	3.78E-05	1.19E-08	5.06E-09	3.31E-05	1.05E-08	4.44E-09
5615	479191.22, 3850423.99	3.16E-05	9.98E-09	4.23E-09	3.87E-05	1.22E-08	5.19E-09	3.40E-05	1.07E-08	4.55E-09
5616	479274.32, 3850465.71	3.24E-05	1.02E-08	4.34E-09	3.97E-05	1.25E-08	5.32E-09	3.49E-05	1.10E-08	4.67E-09
5617	479357.43, 3850507.42	3.32E-05	1.05E-08	4.44E-09	4.06E-05	1.28E-08	5.44E-09	3.56E-05	1.12E-08	4.77E-09
5618	479440.53, 3850549.14	3.38E-05	1.07E-08	4.53E-09	4.14E-05	1.31E-08	5.54E-09	3.63E-05	1.15E-08	4.86E-09
5619	479523.64, 3850590.85	3.46E-05	1.09E-08	4.64E-09	4.24E-05	1.34E-08	5.68E-09	3.72E-05	1.17E-08	4.98E-09
5620	479606.74, 3850632.57	3.56E-05	1.12E-08	4.77E-09	4.36E-05	1.38E-08	5.84E-09	3.83E-05	1.21E-08	5.12E-09
5621	479777.37, 3850707.61	3.77E-05	1.19E-08	5.05E-09	4.62E-05	1.46E-08	6.18E-09	4.05E-05	1.28E-08	5.43E-09
5622	479864.9, 3850740.95	3.90E-05	1.23E-08	5.22E-09	4.78E-05	1.51E-08	6.40E-09	4.19E-05	1.32E-08	5.61E-09
5623	479931.87, 3850829.57	4.00E-05	1.26E-08	5.35E-09	4.89E-05	1.54E-08	6.55E-09	4.29E-05	1.36E-08	5.75E-09
5624	479995.55, 3850926.75	4.10E-05	1.29E-08	5.49E-09	5.02E-05	1.58E-08	6.72E-09	4.40E-05	1.39E-08	5.90E-09
5625	480079.78, 3850968.64	4.23E-05	1.33E-08	5.66E-09	5.18E-05	1.63E-08	6.94E-09	4.54E-05	1.43E-08	6.08E-09
5626	480164.01, 3851010.54	4.36E-05	1.38E-08	5.84E-09	5.34E-05	1.69E-08	7.15E-09	4.68E-05	1.48E-08	6.27E-09
5627	480248.23, 3851052.43	4.48E-05	1.42E-08	6.01E-09	5.49E-05	1.73E-08	7.36E-09	4.82E-05	1.52E-08	6.45E-09
5628	480332.46, 3851094.33	4.62E-05	1.46E-08	6.18E-09	5.65E-05	1.78E-08	7.57E-09	4.96E-05	1.57E-08	6.64E-09

5629	480416.69, 3851136.22	4.74E-05	1.50E-08	6.35E-09	5.81E-05	1.83E-08	7.78E-09	5.10E-05	1.61E-08	6.82E-09
5630	480579.95, 3851215.17	5.00E-05	1.58E-08	6.70E-09	6.13E-05	1.93E-08	8.20E-09	5.37E-05	1.70E-08	7.20E-09
5631	480658.98, 3851252.22	5.13E-05	1.62E-08	6.87E-09	6.28E-05	1.98E-08	8.42E-09	5.51E-05	1.74E-08	7.38E-09
5632	480817.36, 3851327.85	5.38E-05	1.70E-08	7.21E-09	6.59E-05	2.08E-08	8.83E-09	5.78E-05	1.83E-08	7.74E-09
5633	480896.72, 3851366.43	5.51E-05	1.74E-08	7.38E-09	6.75E-05	2.13E-08	9.04E-09	5.92E-05	1.87E-08	7.93E-09
5634	480976.07, 3851405	5.63E-05	1.78E-08	7.54E-09	6.90E-05	2.18E-08	9.24E-09	6.05E-05	1.91E-08	8.10E-09
5635	481178, 3851487.31	5.92E-05	1.87E-08	7.93E-09	7.26E-05	2.29E-08	9.72E-09	6.37E-05	2.01E-08	8.52E-09
5636	481244.9, 3851557.17	6.08E-05	1.92E-08	8.14E-09	7.45E-05	2.35E-08	9.98E-09	6.53E-05	2.06E-08	8.75E-09
5637	481311.81, 3851627.03	6.25E-05	1.97E-08	8.37E-09	7.65E-05	2.42E-08	1.02E-08	6.71E-05	2.12E-08	8.99E-09
5638	481378.71, 3851696.89	6.43E-05	2.03E-08	8.61E-09	7.87E-05	2.48E-08	1.05E-08	6.90E-05	2.18E-08	9.25E-09
5639	481445.61, 3851766.76	6.61E-05	2.09E-08	8.85E-09	8.10E-05	2.56E-08	1.08E-08	7.10E-05	2.24E-08	9.51E-09
5640	481512.51, 3851836.62	6.81E-05	2.15E-08	9.12E-09	8.34E-05	2.63E-08	1.12E-08	7.32E-05	2.31E-08	9.80E-09
5641	481579.42, 3851906.48	7.02E-05	2.22E-08	9.40E-09	8.60E-05	2.71E-08	1.15E-08	7.54E-05	2.38E-08	1.01E-08
5642	481646.32, 3851976.34	7.24E-05	2.29E-08	9.70E-09	8.87E-05	2.80E-08	1.19E-08	7.78E-05	2.46E-08	1.04E-08
5643	481713.22, 3852046.2	7.48E-05	2.36E-08	1.00E-08	9.17E-05	2.89E-08	1.23E-08	8.04E-05	2.54E-08	1.08E-08
5644	481780.12, 3852116.06	7.73E-05	2.44E-08	1.04E-08	9.47E-05	2.99E-08	1.27E-08	8.31E-05	2.62E-08	1.11E-08
5645	481847.03, 3852185.92	7.99E-05	2.52E-08	1.07E-08	9.78E-05	3.09E-08	1.31E-08	8.58E-05	2.71E-08	1.15E-08
5646	481913.93, 3852255.78	8.25E-05	2.60E-08	1.10E-08	1.01E-04	3.19E-08	1.35E-08	8.86E-05	2.80E-08	1.19E-08
5647	481980.83, 3852325.65	8.50E-05	2.68E-08	1.14E-08	1.04E-04	3.29E-08	1.39E-08	9.14E-05	2.88E-08	1.22E-08
5648	482047.73, 3852395.51	8.80E-05	2.78E-08	1.18E-08	1.08E-04	3.40E-08	1.44E-08	9.46E-05	2.99E-08	1.27E-08
5649	482114.64, 3852465.37	9.09E-05	2.87E-08	1.22E-08	1.11E-04	3.52E-08	1.49E-08	9.77E-05	3.08E-08	1.31E-08
5650	482181.54, 3852535.23	9.46E-05	2.99E-08	1.27E-08	1.16E-04	3.66E-08	1.55E-08	1.02E-04	3.21E-08	1.36E-08
5651	482338.69, 3852700.05	1.04E-04	3.28E-08	1.39E-08	1.27E-04	4.01E-08	1.70E-08	1.12E-04	3.52E-08	1.49E-08
5652	482404.05, 3852767.78	1.08E-04	3.41E-08	1.45E-08	1.33E-04	4.18E-08	1.77E-08	1.16E-04	3.67E-08	1.56E-08
5653	482469.4, 3852835.52	1.13E-04	3.57E-08	1.51E-08	1.38E-04	4.37E-08	1.85E-08	1.21E-04	3.83E-08	1.63E-08
5654	482534.75, 3852903.25	1.19E-04	3.75E-08	1.59E-08	1.45E-04	4.59E-08	1.95E-08	1.28E-04	4.03E-08	1.71E-08
5655	482600.11, 3852970.99	1.25E-04	3.95E-08	1.68E-08	1.53E-04	4.84E-08	2.05E-08	1.35E-04	4.25E-08	1.80E-08
5656	482706.71, 3853119.28	1.44E-04	4.54E-08	1.93E-08	1.76E-04	5.57E-08	2.36E-08	1.55E-04	4.89E-08	2.07E-08
5657	482747.96, 3853199.84	1.56E-04	4.94E-08	2.10E-08	1.92E-04	6.05E-08	2.57E-08	1.68E-04	5.31E-08	2.25E-08
5658	482789.21, 3853280.4	1.73E-04	5.45E-08	2.31E-08	2.11E-04	6.67E-08	2.83E-08	1.86E-04	5.86E-08	2.49E-08
5659	482830.46, 3853360.96	1.95E-04	6.17E-08	2.62E-08	2.39E-04	7.56E-08	3.21E-08	2.10E-04	6.63E-08	2.82E-08
5660	482871.71, 3853441.52	2.32E-04	7.33E-08	3.11E-08	2.85E-04	8.98E-08	3.81E-08	2.50E-04	7.89E-08	3.35E-08
5661	482912.95, 3853522.07	3.70E-04	1.17E-07	4.95E-08	4.53E-04	1.43E-07	6.07E-08	3.99E-04	1.26E-07	5.34E-08
5662	482954.2, 3853602.63	1.13E-03	3.56E-07	1.51E-07	1.38E-03	4.37E-07	1.85E-07	1.22E-03	3.85E-07	1.63E-07
5663	482995.45, 3853683.19	1.41E-03	4.44E-07	1.88E-07	1.72E-03	5.44E-07	2.31E-07	1.52E-03	4.79E-07	2.03E-07
5664	483036.7, 3853763.75	1.42E-03	4.50E-07	1.91E-07	1.75E-03	5.51E-07	2.34E-07	1.54E-03	4.85E-07	2.06E-07
5665	483214.2, 3853909.91	9.67E-04	3.05E-07	1.29E-07	1.18E-03	3.74E-07	1.59E-07	1.04E-03	3.29E-07	1.40E-07
5666	483307.01, 3853910.44	8.37E-04	2.64E-07	1.12E-07	1.03E-03	3.24E-07	1.37E-07	9.02E-04	2.85E-07	1.21E-07
5667	483399.83, 3853910.96	7.38E-04	2.33E-07	9.88E-08	9.04E-04	2.85E-07	1.21E-07	7.96E-04	2.51E-07	1.07E-07
5668	483494.52, 3854009.24	7.43E-04	2.34E-07	9.95E-08	9.10E-04	2.87E-07	1.22E-07	8.01E-04	2.53E-07	1.07E-07
5669	483496.41, 3854106.98	8.24E-04	2.60E-07	1.10E-07	1.01E-03	3.19E-07	1.35E-07	8.88E-04	2.80E-07	1.19E-07
5670	483577.56, 3854261.96	9.17E-04	2.90E-07	1.23E-07	1.12E-03	3.55E-07	1.51E-07	9.88E-04	3.12E-07	1.32E-07
5671	483656.83, 3854319.19	9.24E-04	2.92E-07	1.24E-07	1.13E-03	3.57E-07	1.52E-07	9.95E-04	3.14E-07	1.33E-07
5672	483736.1, 3854376.41	9.50E-04	3.00E-07	1.27E-07	1.16E-03	3.68E-07	1.56E-07	1.02E-03	3.23E-07	1.37E-07
5673	483815.37, 3854433.64	9.98E-04	3.15E-07	1.34E-07	1.22E-03	3.86E-07	1.64E-07	1.07E-03	3.39E-07	1.44E-07
5674	483894.63, 3854490.87	1.07E-03	3.37E-07	1.43E-07	1.31E-03	4.13E-07	1.75E-07	1.15E-03	3.63E-07	1.54E-07
5675	483973.9, 3854548.1	1.18E-03	3.73E-07	1.58E-07	1.45E-03	4.57E-07	1.94E-07	1.27E-03	4.02E-07	1.70E-07
5676	484053.17, 3854605.32	1.42E-03	4.48E-07	1.90E-07	1.74E-03	5.49E-07	2.33E-07	1.53E-03	4.82E-07	2.05E-07
5677	484214.97, 3854698.15	2.45E-03	7.73E-07	3.28E-07	3.00E-03	9.47E-07	4.02E-07	2.64E-03	8.32E-07	3.53E-07
5678	484297.5, 3854733.74	3.19E-03	1.01E-06	4.27E-07	3.91E-03	1.23E-06	5.23E-07	3.43E-03	1.08E-06	4.60E-07
5679	484380.03, 3854769.34	3.85E-03	1.22E-06	5.16E-07	4.72E-03	1.49E-06	6.32E-07	4.14E-03	1.31E-06	5.55E-07
5680	484462.56, 3854804.94	4.98E-03	1.57E-06	6.67E-07	6.11E-03	1.93E-06	8.18E-07	5.35E-03	1.69E-06	7.17E-07
5681	484545.09, 3854840.53	6.01E-03	1.90E-06	8.05E-07	7.37E-03	2.33E-06	9.87E-07	6.45E-03	2.04E-06	8.64E-07
5682	484691.88, 3854912.59	7.41E-03	2.34E-06	9.92E-07	9.08E-03	2.87E-06	1.22E-06	7.94E-03	2.50E-06	1.06E-06
5683	484830.81, 3855012.51	6.90E-03	2.18E-06	9.24E-07	8.46E-03	2.67E-06	1.13E-06	7.37E-03	2.33E-06	9.88E-07
5684	484905.48, 3855075.97	6.92E-03	2.19E-06	9.27E-07	8.48E-03	2.68E-06	1.14E-06	7.41E-03	2.34E-06	9.93E-07
5685	484980.14, 3855139.44	6.89E-03	2.17E-06	9.22E-07	8.44E-03	2.66E-06	1.13E-06	7.39E-03	2.33E-06	9.89E-07
5686	485054.81, 3855202.91	6.80E-03	2.15E-06	9.10E-07	8.33E-03	2.63E-06	1.12E-06	7.30E-03	2.31E-06	9.78E-07
5687	485129.48, 3855266.37	6.58E-03	2.08E-06	8.81E-07	8.06E-03	2.54E-06	1.08E-06	7.08E-03	2.24E-06	9.48E-07
5688	485204.15, 3855329.84	6.71E-03	2.12E-06	8.98E-07	8.22E-03	2.59E-06	1.10E-06	7.22E-03	2.28E-06	9.67E-07
5689	485278.82, 3855393.31	6.66E-03	2.10E-06	8.92E-07	8.16E-03	2.58E-06	1.09E-06	7.18E-03	2.27E-06	9.62E-07
5690	485353.48, 3855456.77	6.69E-03	2.11E-06	8.96E-07	8.19E-03	2.59E-06	1.10E-06	7.21E-03	2.28E-06	9.66E-07
5691	485428.15, 3855520.24	6.63E-03	2.09E-06	8.88E-07	8.12E-03	2.56E-06	1.09E-06	7.15E-03	2.26E-06	9.57E-07
5692	485502.82, 3855583.71	6.60E-03	2.08E-06	8.84E-07	8.08E-03	2.55E-06	1.08E-06	7.12E-03	2.25E-06	9.53E-07

5693	485577.49, 3855647.17	6.67E-03	2.11E-06	8.94E-07	8.17E-03	2.58E-06	1.09E-06	7.20E-03	2.27E-06	9.64E-07
5694	485652.16, 3855710.64	6.71E-03	2.12E-06	8.99E-07	8.23E-03	2.60E-06	1.10E-06	7.25E-03	2.29E-06	9.70E-07
5695	485726.83, 3855774.11	6.70E-03	2.11E-06	8.97E-07	8.20E-03	2.59E-06	1.10E-06	7.23E-03	2.28E-06	9.68E-07
5696	485801.49, 3855837.57	6.63E-03	2.09E-06	8.88E-07	8.12E-03	2.56E-06	1.09E-06	7.15E-03	2.26E-06	9.58E-07
5697	485876.16, 3855901.04	6.63E-03	2.09E-06	8.88E-07	8.13E-03	2.56E-06	1.09E-06	7.16E-03	2.26E-06	9.59E-07
5698	485950.83, 3855964.5	6.59E-03	2.08E-06	8.83E-07	8.07E-03	2.55E-06	1.08E-06	7.11E-03	2.25E-06	9.53E-07
5699	486025.5, 3856027.97	6.50E-03	2.05E-06	8.70E-07	7.96E-03	2.51E-06	1.07E-06	7.02E-03	2.21E-06	9.40E-07
5700	486100.17, 3856091.44	6.64E-03	2.09E-06	8.89E-07	8.13E-03	2.57E-06	1.09E-06	7.16E-03	2.26E-06	9.59E-07
5701	486174.83, 3856154.9	6.51E-03	2.05E-06	8.71E-07	7.97E-03	2.52E-06	1.07E-06	7.02E-03	2.22E-06	9.41E-07
5702	486249.5, 3856218.37	6.19E-03	1.96E-06	8.30E-07	7.59E-03	2.39E-06	1.02E-06	6.69E-03	2.11E-06	8.95E-07
5703	486324.17, 3856281.84	6.13E-03	1.93E-06	8.21E-07	7.51E-03	2.37E-06	1.01E-06	6.62E-03	2.09E-06	8.86E-07
5704	486398.84, 3856345.3	6.35E-03	2.00E-06	8.50E-07	7.78E-03	2.45E-06	1.04E-06	6.86E-03	2.16E-06	9.18E-07
5705	486473.51, 3856408.77	6.41E-03	2.02E-06	8.58E-07	7.85E-03	2.48E-06	1.05E-06	6.92E-03	2.18E-06	9.27E-07
5706	486548.17, 3856472.24	6.52E-03	2.06E-06	8.73E-07	7.98E-03	2.52E-06	1.07E-06	7.03E-03	2.22E-06	9.42E-07
5707	486622.84, 3856535.7	6.57E-03	2.07E-06	8.80E-07	8.05E-03	2.54E-06	1.08E-06	7.09E-03	2.24E-06	9.50E-07
5708	486765.48, 3856659.69	6.62E-03	2.09E-06	8.86E-07	8.11E-03	2.56E-06	1.09E-06	7.14E-03	2.26E-06	9.57E-07
5709	486833.44, 3856720.2	6.68E-03	2.11E-06	8.94E-07	8.18E-03	2.58E-06	1.10E-06	7.21E-03	2.27E-06	9.65E-07
5710	486901.41, 3856780.72	6.67E-03	2.11E-06	8.94E-07	8.17E-03	2.58E-06	1.09E-06	7.20E-03	2.27E-06	9.64E-07
5711	486969.38, 3856841.24	6.66E-03	2.10E-06	8.91E-07	8.15E-03	2.57E-06	1.09E-06	7.18E-03	2.27E-06	9.62E-07
5712	487037.34, 3856901.75	6.59E-03	2.08E-06	8.83E-07	8.08E-03	2.55E-06	1.08E-06	7.11E-03	2.24E-06	9.52E-07
5713	487271.23, 3856855.51	3.59E-03	1.13E-06	4.80E-07	4.39E-03	1.39E-06	5.88E-07	3.86E-03	1.22E-06	5.18E-07
5714	487368.96, 3856857.29	3.13E-03	9.88E-07	4.19E-07	3.83E-03	1.21E-06	5.13E-07	3.37E-03	1.06E-06	4.52E-07
5715	487466.68, 3856859.06	2.78E-03	8.76E-07	3.72E-07	3.40E-03	1.07E-06	4.55E-07	2.99E-03	9.43E-07	4.00E-07
5716	487636.44, 3856930	2.40E-03	7.56E-07	3.21E-07	2.93E-03	9.26E-07	3.93E-07	2.57E-03	8.11E-07	3.44E-07
5717	487709.57, 3856928.43	2.24E-03	7.07E-07	3.00E-07	2.74E-03	8.65E-07	3.67E-07	2.40E-03	7.58E-07	3.22E-07
5718	487782.55, 3856841.96	2.05E-03	6.46E-07	2.74E-07	2.51E-03	7.92E-07	3.36E-07	2.20E-03	6.95E-07	2.95E-07
5719	487849.83, 3856754.74	1.88E-03	5.94E-07	2.52E-07	2.30E-03	7.27E-07	3.09E-07	2.02E-03	6.39E-07	2.71E-07
5720	487918.03, 3856819.39	1.84E-03	5.80E-07	2.46E-07	2.25E-03	7.10E-07	3.01E-07	1.97E-03	6.23E-07	2.64E-07
5721	487918.8, 3856886.37	1.87E-03	5.92E-07	2.51E-07	2.30E-03	7.25E-07	3.07E-07	2.01E-03	6.35E-07	2.69E-07
5722	488065.47, 3857127.51	1.84E-03	5.80E-07	2.46E-07	2.25E-03	7.10E-07	3.01E-07	1.95E-03	6.17E-07	2.62E-07
5723	488192.19, 3857385.84	1.80E-03	5.67E-07	2.41E-07	2.20E-03	6.95E-07	2.95E-07	1.91E-03	6.03E-07	2.56E-07
5724	488191.22, 3857473.87	1.83E-03	5.79E-07	2.46E-07	2.25E-03	7.09E-07	3.01E-07	1.95E-03	6.16E-07	2.62E-07
5725	488190.24, 3857561.91	1.87E-03	5.91E-07	2.51E-07	2.29E-03	7.24E-07	3.07E-07	2.00E-03	6.31E-07	2.68E-07
5726	488158.35, 3857691.13	1.99E-03	6.27E-07	2.66E-07	2.43E-03	7.67E-07	3.26E-07	2.13E-03	6.71E-07	2.85E-07
5727	488208.37, 3857816.66	1.76E-03	5.56E-07	2.36E-07	2.16E-03	6.81E-07	2.89E-07	1.89E-03	5.97E-07	2.53E-07
5728	488271.97, 3857874.6	1.56E-03	4.93E-07	2.09E-07	1.91E-03	6.04E-07	2.56E-07	1.68E-03	5.29E-07	2.25E-07
5729	488463.56, 3857942.31	1.26E-03	3.99E-07	1.69E-07	1.55E-03	4.89E-07	2.07E-07	1.36E-03	4.28E-07	1.82E-07
5730	488554.83, 3857940.83	1.19E-03	3.75E-07	1.59E-07	1.45E-03	4.59E-07	1.95E-07	1.27E-03	4.02E-07	1.71E-07
5731	488646.1, 3857939.36	1.12E-03	3.53E-07	1.50E-07	1.37E-03	4.33E-07	1.84E-07	1.20E-03	3.79E-07	1.61E-07
5732	488737.37, 3857937.88	1.06E-03	3.35E-07	1.42E-07	1.30E-03	4.10E-07	1.74E-07	1.14E-03	3.59E-07	1.52E-07
5733	488733.59, 3857960.57	1.05E-03	3.33E-07	1.41E-07	1.29E-03	4.07E-07	1.73E-07	1.13E-03	3.57E-07	1.51E-07
5734	488638.09, 3857961.57	1.11E-03	3.52E-07	1.49E-07	1.36E-03	4.31E-07	1.83E-07	1.20E-03	3.78E-07	1.60E-07
5735	488542.6, 3857962.56	1.18E-03	3.74E-07	1.59E-07	1.45E-03	4.58E-07	1.94E-07	1.27E-03	4.01E-07	1.70E-07
5736	488447.1, 3857963.56	1.27E-03	4.00E-07	1.70E-07	1.55E-03	4.89E-07	2.08E-07	1.36E-03	4.29E-07	1.82E-07
5737	488254.28, 3857890.36	1.57E-03	4.95E-07	2.10E-07	1.92E-03	6.06E-07	2.57E-07	1.68E-03	5.32E-07	2.26E-07
5738	488191.69, 3857833.06	1.77E-03	5.60E-07	2.38E-07	2.17E-03	6.86E-07	2.91E-07	1.90E-03	6.01E-07	2.55E-07
5739	488129.5, 3857907.43	1.77E-03	5.58E-07	2.37E-07	2.16E-03	6.82E-07	2.90E-07	1.90E-03	5.99E-07	2.54E-07
5740	488196.47, 3857968.74	1.56E-03	4.92E-07	2.09E-07	1.91E-03	6.02E-07	2.55E-07	1.67E-03	5.28E-07	2.24E-07
5741	488263.44, 3858030.04	1.43E-03	4.50E-07	1.91E-07	1.75E-03	5.51E-07	2.34E-07	1.53E-03	4.84E-07	2.05E-07
5742	488400.64, 3858132.9	1.28E-03	4.04E-07	1.71E-07	1.57E-03	4.94E-07	2.10E-07	1.38E-03	4.34E-07	1.84E-07
5743	488519.89, 3858218.38	1.23E-03	3.87E-07	1.64E-07	1.50E-03	4.74E-07	2.01E-07	1.32E-03	4.16E-07	1.77E-07
5744	488647.97, 3858214.99	1.09E-03	3.45E-07	1.46E-07	1.34E-03	4.23E-07	1.79E-07	1.18E-03	3.71E-07	1.58E-07
5745	488727.05, 3858167.67	1.02E-03	3.22E-07	1.37E-07	1.25E-03	3.95E-07	1.68E-07	1.10E-03	3.47E-07	1.47E-07
5746	488806.12, 3858120.35	9.73E-04	3.07E-07	1.30E-07	1.19E-03	3.76E-07	1.60E-07	1.05E-03	3.30E-07	1.40E-07
5747	488885.2, 3858073.03	9.40E-04	2.97E-07	1.26E-07	1.15E-03	3.63E-07	1.54E-07	1.01E-03	3.19E-07	1.35E-07
5748	489055.76, 3857991.18	8.87E-04	2.80E-07	1.19E-07	1.09E-03	3.43E-07	1.46E-07	9.52E-04	3.01E-07	1.28E-07
5749	489245.39, 3857944.55	8.34E-04	2.63E-07	1.12E-07	1.02E-03	3.22E-07	1.37E-07	8.94E-04	2.82E-07	1.20E-07
5750	489430.63, 3857930.91	7.78E-04	2.46E-07	1.04E-07	9.53E-04	3.01E-07	1.28E-07	8.35E-04	2.63E-07	1.12E-07
5751	489517.74, 3857929.36	7.54E-04	2.38E-07	1.01E-07	9.23E-04	2.91E-07	1.24E-07	8.08E-04	2.55E-07	1.08E-07
5752	489604.86, 3857927.82	7.30E-04	2.30E-07	9.78E-08	8.94E-04	2.82E-07	1.20E-07	7.83E-04	2.47E-07	1.05E-07
5753	489691.97, 3857926.28	7.08E-04	2.23E-07	9.48E-08	8.67E-04	2.74E-07	1.16E-07	7.59E-04	2.40E-07	1.02E-07
5754	489779.08, 3857924.73	6.87E-04	2.17E-07	9.20E-08	8.41E-04	2.66E-07	1.13E-07	7.37E-04	2.32E-07	9.86E-08
5755	490017.55, 3857875.09	6.43E-04	2.03E-07	8.61E-08	7.87E-04	2.48E-07	1.05E-07	6.89E-04	2.17E-07	9.23E-08
5756	490033.82, 3857960.81	6.25E-04	1.97E-07	8.36E-08	7.65E-04	2.41E-07	1.02E-07	6.70E-04	2.11E-07	8.97E-08

5757	489959.15, 3857987.49	6.35E-04	2.00E-07	8.51E-08	7.78E-04	2.46E-07	1.04E-07	6.81E-04	2.15E-07	9.12E-08
5758	489791.49, 3858016.12	6.66E-04	2.10E-07	8.92E-08	8.16E-04	2.57E-07	1.09E-07	7.15E-04	2.26E-07	9.57E-08
5759	489698.51, 3858018.07	6.87E-04	2.17E-07	9.20E-08	8.42E-04	2.66E-07	1.13E-07	7.37E-04	2.33E-07	9.87E-08
5760	489605.52, 3858020.02	7.10E-04	2.24E-07	9.50E-08	8.69E-04	2.74E-07	1.16E-07	7.61E-04	2.40E-07	1.02E-07
5761	489512.53, 3858021.96	7.34E-04	2.32E-07	9.82E-08	8.98E-04	2.84E-07	1.20E-07	7.87E-04	2.48E-07	1.05E-07
5762	489419.55, 3858023.91	7.59E-04	2.39E-07	1.02E-07	9.29E-04	2.93E-07	1.24E-07	8.14E-04	2.57E-07	1.09E-07
5763	489228.47, 3858041.29	8.13E-04	2.57E-07	1.09E-07	9.96E-04	3.14E-07	1.33E-07	8.73E-04	2.75E-07	1.17E-07
5764	489065.75, 3858085.78	8.59E-04	2.71E-07	1.15E-07	1.05E-03	3.32E-07	1.41E-07	9.23E-04	2.91E-07	1.24E-07
5765	489001.12, 3858114.86	8.79E-04	2.78E-07	1.18E-07	1.08E-03	3.40E-07	1.44E-07	9.45E-04	2.98E-07	1.27E-07
5766	488861.89, 3858189.81	9.41E-04	2.97E-07	1.26E-07	1.15E-03	3.64E-07	1.54E-07	1.01E-03	3.19E-07	1.35E-07
5767	488787.29, 3858235.69	9.95E-04	3.14E-07	1.33E-07	1.22E-03	3.85E-07	1.63E-07	1.07E-03	3.38E-07	1.43E-07
5768	488712.68, 3858281.57	1.07E-03	3.39E-07	1.44E-07	1.31E-03	4.15E-07	1.76E-07	1.16E-03	3.65E-07	1.55E-07
5769	488654.39, 3858436.17	1.36E-03	4.28E-07	1.82E-07	1.66E-03	5.25E-07	2.23E-07	1.46E-03	4.62E-07	1.96E-07
5770	488726.31, 3858505.26	1.37E-03	4.34E-07	1.84E-07	1.68E-03	5.31E-07	2.25E-07	1.48E-03	4.68E-07	1.98E-07
5771	488880.6, 3858599.28	1.27E-03	4.01E-07	1.70E-07	1.55E-03	4.91E-07	2.08E-07	1.37E-03	4.32E-07	1.83E-07
5772	489008.06, 3858714.75	1.25E-03	3.96E-07	1.68E-07	1.54E-03	4.85E-07	2.06E-07	1.35E-03	4.27E-07	1.81E-07
5773	489071.48, 3858772.72	1.19E-03	3.77E-07	1.60E-07	1.46E-03	4.62E-07	1.96E-07	1.29E-03	4.07E-07	1.73E-07
5774	489244.6, 3858920.2	6.64E-04	2.10E-07	8.90E-08	8.14E-04	2.57E-07	1.09E-07	7.16E-04	2.26E-07	9.59E-08
5775	489239.69, 3858952.23	6.05E-04	1.91E-07	8.11E-08	7.42E-04	2.34E-07	9.93E-08	6.52E-04	2.06E-07	8.73E-08
5776	489121.67, 3858854.49	9.96E-04	3.14E-07	1.33E-07	1.22E-03	3.85E-07	1.63E-07	1.07E-03	3.39E-07	1.44E-07
5777	489059.59, 3858797.27	1.25E-03	3.94E-07	1.67E-07	1.53E-03	4.83E-07	2.05E-07	1.35E-03	4.25E-07	1.80E-07
5778	488997.52, 3858740.04	1.34E-03	4.23E-07	1.79E-07	1.64E-03	5.18E-07	2.20E-07	1.45E-03	4.56E-07	1.94E-07
5779	488935.44, 3858682.82	1.35E-03	4.27E-07	1.81E-07	1.66E-03	5.23E-07	2.22E-07	1.46E-03	4.61E-07	1.95E-07
5780	488869.17, 3858848.43	3.28E-03	1.04E-06	4.39E-07	4.02E-03	1.27E-06	5.38E-07	3.54E-03	1.12E-06	4.74E-07
5781	488932.48, 3858892.69	1.58E-03	5.00E-07	2.12E-07	1.94E-03	6.13E-07	2.60E-07	1.71E-03	5.40E-07	2.29E-07
5782	489063.27, 3858977.17	6.20E-04	1.96E-07	8.30E-08	7.59E-04	2.40E-07	1.02E-07	6.68E-04	2.11E-07	8.94E-08
5783	489248.2, 3859117.15	3.68E-04	1.16E-07	4.92E-08	4.50E-04	1.42E-07	6.03E-08	3.96E-04	1.25E-07	5.30E-08
5784	489296.25, 3859049.22	4.39E-04	1.38E-07	5.87E-08	5.37E-04	1.70E-07	7.19E-08	4.72E-04	1.49E-07	6.32E-08
5785	489353.38, 3858993.97	4.95E-04	1.56E-07	6.62E-08	6.06E-04	1.91E-07	8.11E-08	5.33E-04	1.68E-07	7.13E-08
5786	489537.25, 3859120.22	3.53E-04	1.12E-07	4.73E-08	4.33E-04	1.37E-07	5.80E-08	3.80E-04	1.20E-07	5.09E-08
5787	489726.98, 3859246.04	2.82E-04	8.89E-08	3.77E-08	3.45E-04	1.09E-07	4.62E-08	3.03E-04	9.56E-08	4.06E-08
5788	489911.46, 3859366.33	2.39E-04	7.54E-08	3.20E-08	2.93E-04	9.24E-08	3.92E-08	2.57E-04	8.11E-08	3.44E-08
5789	490035.3, 3859430.26	2.21E-04	6.96E-08	2.95E-08	2.70E-04	8.53E-08	3.62E-08	2.37E-04	7.48E-08	3.17E-08
5790	490101.11, 3859458.61	2.14E-04	6.74E-08	2.86E-08	2.62E-04	8.25E-08	3.50E-08	2.29E-04	7.24E-08	3.07E-08
5791	490312.68, 3859560.3	1.92E-04	6.06E-08	2.57E-08	2.35E-04	7.43E-08	3.15E-08	2.06E-04	6.52E-08	2.76E-08
5792	490401.63, 3859603.12	1.85E-04	5.83E-08	2.47E-08	2.26E-04	7.13E-08	3.03E-08	1.98E-04	6.26E-08	2.66E-08
5793	490490.57, 3859645.94	1.78E-04	5.61E-08	2.38E-08	2.18E-04	6.87E-08	2.92E-08	1.91E-04	6.03E-08	2.56E-08
5794	490579.51, 3859688.76	1.72E-04	5.42E-08	2.30E-08	2.10E-04	6.63E-08	2.81E-08	1.84E-04	5.82E-08	2.47E-08
5795	490668.45, 3859731.58	1.66E-04	5.25E-08	2.23E-08	2.04E-04	6.43E-08	2.73E-08	1.79E-04	5.64E-08	2.39E-08
5796	490757.4, 3859774.4	1.61E-04	5.07E-08	2.15E-08	1.97E-04	6.20E-08	2.63E-08	1.72E-04	5.44E-08	2.31E-08
5797	491003.53, 3859861.82	1.50E-04	4.75E-08	2.01E-08	1.84E-04	5.81E-08	2.47E-08	1.62E-04	5.10E-08	2.16E-08
5798	491081.41, 3859879.05	1.48E-04	4.68E-08	1.99E-08	1.82E-04	5.73E-08	2.43E-08	1.59E-04	5.03E-08	2.13E-08
5799	491229.76, 3859917.82	1.44E-04	4.54E-08	1.93E-08	1.76E-04	5.56E-08	2.36E-08	1.55E-04	4.88E-08	2.07E-08
5800	491300.22, 3859939.35	1.41E-04	4.47E-08	1.89E-08	1.73E-04	5.47E-08	2.32E-08	1.52E-04	4.80E-08	2.04E-08
5801	491350.49, 3860012.03	1.34E-04	4.22E-08	1.79E-08	1.64E-04	5.17E-08	2.19E-08	1.44E-04	4.53E-08	1.92E-08
5802	491406.82, 3860092.57	1.26E-04	3.98E-08	1.69E-08	1.55E-04	4.88E-08	2.07E-08	1.36E-04	4.28E-08	1.82E-08
5803	491483.37, 3860121.96	1.24E-04	3.91E-08	1.66E-08	1.52E-04	4.79E-08	2.03E-08	1.33E-04	4.20E-08	1.78E-08
5804	491559.91, 3860151.36	1.22E-04	3.84E-08	1.63E-08	1.49E-04	4.71E-08	2.00E-08	1.31E-04	4.13E-08	1.75E-08
5805	491711.81, 3860237.76	1.18E-04	3.74E-08	1.59E-08	1.45E-04	4.58E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
5806	491755.2, 3860319.07	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.22E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
5807	491704.71, 3860366.54	1.06E-04	3.35E-08	1.42E-08	1.30E-04	4.11E-08	1.74E-08	1.14E-04	3.60E-08	1.53E-08
5808	491623.43, 3860462.39	1.00E-04	3.16E-08	1.34E-08	1.23E-04	3.88E-08	1.64E-08	1.08E-04	3.40E-08	1.44E-08
5809	491534.02, 3860439.85	1.05E-04	3.31E-08	1.40E-08	1.28E-04	4.05E-08	1.72E-08	1.12E-04	3.55E-08	1.51E-08
5810	491313.95, 3860268.18	1.11E-04	3.51E-08	1.49E-08	1.36E-04	4.30E-08	1.82E-08	1.19E-04	3.77E-08	1.60E-08
5811	491187.12, 3860143.56	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.68E-08	1.99E-08	1.30E-04	4.11E-08	1.74E-08
5812	491070.43, 3860075.97	1.27E-04	4.02E-08	1.70E-08	1.56E-04	4.92E-08	2.09E-08	1.37E-04	4.31E-08	1.83E-08
5813	490995.09, 3860039.39	1.31E-04	4.12E-08	1.75E-08	1.60E-04	5.05E-08	2.14E-08	1.40E-04	4.43E-08	1.88E-08
5814	490919.75, 3860002.8	1.34E-04	4.23E-08	1.80E-08	1.64E-04	5.18E-08	2.20E-08	1.44E-04	4.55E-08	1.93E-08
5815	490756.81, 3859894.53	1.46E-04	4.61E-08	1.95E-08	1.79E-04	5.64E-08	2.39E-08	1.57E-04	4.95E-08	2.10E-08
5816	490668.07, 3859860.92	1.49E-04	4.71E-08	2.00E-08	1.83E-04	5.77E-08	2.45E-08	1.60E-04	5.06E-08	2.15E-08
5817	490579.34, 3859827.3	1.53E-04	4.83E-08	2.05E-08	1.88E-04	5.92E-08	2.51E-08	1.64E-04	5.19E-08	2.20E-08
5818	490490.6, 3859793.68	1.57E-04	4.95E-08	2.10E-08	1.92E-04	6.06E-08	2.57E-08	1.68E-04	5.31E-08	2.25E-08
5819	490401.86, 3859760.07	1.61E-04	5.07E-08	2.15E-08	1.97E-04	6.21E-08	2.63E-08	1.73E-04	5.45E-08	2.31E-08
5820	490313.12, 3859726.45	1.65E-04	5.21E-08	2.21E-08	2.02E-04	6.39E-08	2.71E-08	1.78E-04	5.60E-08	2.38E-08

5821	490224.39, 3859692.83	1.70E-04	5.37E-08	2.28E-08	2.09E-04	6.58E-08	2.79E-08	1.83E-04	5.77E-08	2.45E-08
5822	490135.65, 3859659.22	1.76E-04	5.55E-08	2.36E-08	2.15E-04	6.80E-08	2.89E-08	1.89E-04	5.97E-08	2.53E-08
5823	489918.19, 3859559.23	1.94E-04	6.13E-08	2.60E-08	2.38E-04	7.50E-08	3.18E-08	2.09E-04	6.58E-08	2.79E-08
5824	489743.61, 3859486	2.10E-04	6.63E-08	2.81E-08	2.57E-04	8.12E-08	3.44E-08	2.26E-04	7.12E-08	3.02E-08
5825	489660.32, 3859440.27	2.21E-04	6.97E-08	2.96E-08	2.70E-04	8.53E-08	3.62E-08	2.37E-04	7.49E-08	3.18E-08
5826	489577.04, 3859394.53	2.33E-04	7.36E-08	3.12E-08	2.85E-04	9.01E-08	3.82E-08	2.51E-04	7.91E-08	3.35E-08
5827	489493.75, 3859348.8	2.47E-04	7.80E-08	3.31E-08	3.03E-04	9.55E-08	4.05E-08	2.65E-04	8.38E-08	3.56E-08
5828	489321.28, 3859240.02	2.89E-04	9.14E-08	3.88E-08	3.55E-04	1.12E-07	4.75E-08	3.11E-04	9.82E-08	4.17E-08
5829	489235.41, 3859193.96	3.15E-04	9.93E-08	4.22E-08	3.86E-04	1.22E-07	5.16E-08	3.39E-04	1.07E-07	4.53E-08
5830	489149.54, 3859147.89	3.46E-04	1.09E-07	4.63E-08	4.24E-04	1.34E-07	5.67E-08	3.72E-04	1.17E-07	4.98E-08
5831	489063.68, 3859101.82	3.88E-04	1.22E-07	5.19E-08	4.75E-04	1.50E-07	6.36E-08	4.17E-04	1.32E-07	5.59E-08
5832	488977.81, 3859055.75	4.44E-04	1.40E-07	5.95E-08	5.44E-04	1.72E-07	7.29E-08	4.79E-04	1.51E-07	6.41E-08
5833	488891.94, 3859009.69	5.20E-04	1.64E-07	6.97E-08	6.37E-04	2.01E-07	8.53E-08	5.60E-04	1.77E-07	7.50E-08
5834	488808, 3859060.73	4.29E-04	1.35E-07	5.74E-08	5.25E-04	1.66E-07	7.03E-08	4.61E-04	1.46E-07	6.18E-08
5835	488809.93, 3859157.85	3.38E-04	1.07E-07	4.52E-08	4.14E-04	1.31E-07	5.54E-08	3.63E-04	1.15E-07	4.87E-08
5836	488811.86, 3859254.96	2.84E-04	8.97E-08	3.80E-08	3.48E-04	1.10E-07	4.66E-08	3.06E-04	9.64E-08	4.09E-08
5837	488813.78, 3859352.07	2.47E-04	7.81E-08	3.31E-08	3.03E-04	9.56E-08	4.06E-08	2.66E-04	8.40E-08	3.56E-08
5838	488815.71, 3859449.19	2.21E-04	6.97E-08	2.96E-08	2.70E-04	8.54E-08	3.62E-08	2.37E-04	7.49E-08	3.18E-08
5839	488910.04, 3859547.11	2.00E-04	6.33E-08	2.68E-08	2.46E-04	7.75E-08	3.29E-08	2.15E-04	6.80E-08	2.89E-08
5840	489002.45, 3859547.91	2.02E-04	6.36E-08	2.70E-08	2.47E-04	7.80E-08	3.31E-08	2.17E-04	6.84E-08	2.90E-08
5841	489094.85, 3859548.72	2.03E-04	6.40E-08	2.72E-08	2.49E-04	7.84E-08	3.33E-08	2.18E-04	6.88E-08	2.92E-08
5842	489230.05, 3859601.87	1.94E-04	6.14E-08	2.60E-08	2.38E-04	7.52E-08	3.19E-08	2.09E-04	6.60E-08	2.80E-08
5843	489227.52, 3859680.89	1.81E-04	5.71E-08	2.42E-08	2.22E-04	7.00E-08	2.97E-08	1.94E-04	6.14E-08	2.60E-08
5844	489133.47, 3859760.29	1.68E-04	5.31E-08	2.25E-08	2.06E-04	6.51E-08	2.76E-08	1.81E-04	5.71E-08	2.42E-08
5845	489041.96, 3859760.67	1.68E-04	5.29E-08	2.24E-08	2.05E-04	6.48E-08	2.75E-08	1.80E-04	5.68E-08	2.41E-08
5846	488950.45, 3859761.05	1.67E-04	5.26E-08	2.23E-08	2.04E-04	6.44E-08	2.73E-08	1.79E-04	5.65E-08	2.40E-08
5847	488858.94, 3859761.43	1.66E-04	5.23E-08	2.22E-08	2.03E-04	6.41E-08	2.72E-08	1.78E-04	5.62E-08	2.39E-08
5848	488767.43, 3859761.82	1.65E-04	5.20E-08	2.20E-08	2.02E-04	6.36E-08	2.70E-08	1.77E-04	5.58E-08	2.37E-08
5849	488675.92, 3859762.2	1.64E-04	5.18E-08	2.20E-08	2.01E-04	6.34E-08	2.69E-08	1.76E-04	5.56E-08	2.36E-08
5850	488584.41, 3859762.58	1.63E-04	5.15E-08	2.18E-08	2.00E-04	6.30E-08	2.67E-08	1.75E-04	5.53E-08	2.35E-08
5851	488492.9, 3859762.96	1.62E-04	5.12E-08	2.17E-08	1.99E-04	6.27E-08	2.66E-08	1.74E-04	5.50E-08	2.33E-08
5852	488402.76, 3859830.95	1.54E-04	4.85E-08	2.06E-08	1.88E-04	5.94E-08	2.52E-08	1.65E-04	5.21E-08	2.21E-08
5853	488404.14, 3859898.55	1.46E-04	4.60E-08	1.95E-08	1.79E-04	5.64E-08	2.39E-08	1.57E-04	4.95E-08	2.10E-08
5854	488505.18, 3859964.96	1.40E-04	4.42E-08	1.87E-08	1.71E-04	5.41E-08	2.30E-08	1.50E-04	4.75E-08	2.01E-08
5855	488604.85, 3859963.76	1.41E-04	4.44E-08	1.88E-08	1.72E-04	5.44E-08	2.31E-08	1.51E-04	4.77E-08	2.02E-08
5856	488704.51, 3859962.56	1.42E-04	4.47E-08	1.90E-08	1.73E-04	5.47E-08	2.32E-08	1.52E-04	4.80E-08	2.04E-08
5857	488804.18, 3859961.37	1.43E-04	4.50E-08	1.91E-08	1.75E-04	5.51E-08	2.34E-08	1.53E-04	4.83E-08	2.05E-08
5858	488903.85, 3859960.17	1.44E-04	4.53E-08	1.92E-08	1.76E-04	5.55E-08	2.36E-08	1.54E-04	4.87E-08	2.07E-08
5859	489003.52, 3859958.97	1.45E-04	4.56E-08	1.94E-08	1.77E-04	5.59E-08	2.37E-08	1.55E-04	4.90E-08	2.08E-08
5860	489103.18, 3859957.77	1.45E-04	4.58E-08	1.95E-08	1.78E-04	5.62E-08	2.38E-08	1.56E-04	4.93E-08	2.09E-08
5861	489201.48, 3860046.59	1.38E-04	4.34E-08	1.84E-08	1.69E-04	5.32E-08	2.26E-08	1.48E-04	4.66E-08	1.98E-08
5862	489200.11, 3860136.61	1.30E-04	4.10E-08	1.74E-08	1.59E-04	5.02E-08	2.13E-08	1.39E-04	4.40E-08	1.87E-08
5863	489198.74, 3860226.63	1.23E-04	3.87E-08	1.64E-08	1.50E-04	4.75E-08	2.01E-08	1.32E-04	4.16E-08	1.77E-08
5864	489197.38, 3860316.66	1.16E-04	3.67E-08	1.56E-08	1.42E-04	4.49E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
5865	489196.01, 3860406.68	1.11E-04	3.49E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.19E-04	3.75E-08	1.59E-08
5866	489194.64, 3860496.7	1.05E-04	3.31E-08	1.41E-08	1.29E-04	4.06E-08	1.72E-08	1.13E-04	3.56E-08	1.51E-08
5867	489193.27, 3860586.72	1.00E-04	3.16E-08	1.34E-08	1.23E-04	3.87E-08	1.64E-08	1.08E-04	3.39E-08	1.44E-08
5868	489092.02, 3860678.13	9.50E-05	3.00E-08	1.27E-08	1.16E-04	3.67E-08	1.56E-08	1.02E-04	3.22E-08	1.37E-08
5869	488992.13, 3860679.53	9.43E-05	2.98E-08	1.26E-08	1.15E-04	3.64E-08	1.55E-08	1.01E-04	3.20E-08	1.36E-08
5870	488892.25, 3860680.92	9.38E-05	2.96E-08	1.26E-08	1.15E-04	3.63E-08	1.54E-08	1.01E-04	3.18E-08	1.35E-08
5871	488792.36, 3860682.31	9.34E-05	2.95E-08	1.25E-08	1.14E-04	3.61E-08	1.53E-08	1.00E-04	3.17E-08	1.34E-08
5872	488692.48, 3860683.7	9.32E-05	2.94E-08	1.25E-08	1.14E-04	3.60E-08	1.53E-08	1.00E-04	3.16E-08	1.34E-08
5873	488592.59, 3860685.1	9.28E-05	2.93E-08	1.24E-08	1.14E-04	3.59E-08	1.52E-08	9.97E-05	3.15E-08	1.34E-08
5874	488492.71, 3860686.49	9.33E-05	2.94E-08	1.25E-08	1.14E-04	3.61E-08	1.53E-08	1.00E-04	3.16E-08	1.34E-08
5875	488299.07, 3860762.18	9.19E-05	2.90E-08	1.23E-08	1.13E-04	3.55E-08	1.51E-08	9.87E-05	3.12E-08	1.32E-08
5876	488205.32, 3860764.09	9.13E-05	2.88E-08	1.22E-08	1.12E-04	3.53E-08	1.50E-08	9.81E-05	3.09E-08	1.31E-08
5877	488111.56, 3860766	9.04E-05	2.85E-08	1.21E-08	1.11E-04	3.49E-08	1.48E-08	9.71E-05	3.06E-08	1.30E-08
5878	488017.81, 3860767.91	8.95E-05	2.82E-08	1.20E-08	1.10E-04	3.46E-08	1.47E-08	9.61E-05	3.03E-08	1.29E-08
5879	487924.06, 3860769.81	8.88E-05	2.80E-08	1.19E-08	1.09E-04	3.43E-08	1.46E-08	9.54E-05	3.01E-08	1.28E-08
5880	487830.31, 3860771.72	8.83E-05	2.79E-08	1.18E-08	1.08E-04	3.41E-08	1.45E-08	9.49E-05	2.99E-08	1.27E-08
5881	487736.55, 3860773.63	8.80E-05	2.78E-08	1.18E-08	1.08E-04	3.40E-08	1.44E-08	9.46E-05	2.99E-08	1.27E-08
5882	487642.8, 3860775.54	8.81E-05	2.78E-08	1.18E-08	1.08E-04	3.41E-08	1.45E-08	9.47E-05	2.99E-08	1.27E-08
5883	487549.48, 3860684.71	9.20E-05	2.90E-08	1.23E-08	1.13E-04	3.56E-08	1.51E-08	9.89E-05	3.12E-08	1.32E-08
5884	487549.91, 3860591.97	9.55E-05	3.01E-08	1.28E-08	1.17E-04	3.69E-08	1.57E-08	1.03E-04	3.24E-08	1.37E-08

5885	487550.34, 3860499.23	9.98E-05	3.15E-08	1.34E-08	1.22E-04	3.86E-08	1.64E-08	1.07E-04	3.38E-08	1.44E-08
5886	487550.76, 3860406.49	1.05E-04	3.30E-08	1.40E-08	1.28E-04	4.04E-08	1.71E-08	1.12E-04	3.55E-08	1.50E-08
5887	487551.19, 3860313.75	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.23E-08	1.79E-08	1.17E-04	3.71E-08	1.57E-08
5888	487551.62, 3860221.01	1.15E-04	3.62E-08	1.54E-08	1.40E-04	4.43E-08	1.88E-08	1.23E-04	3.89E-08	1.65E-08
5889	487552.05, 3860128.27	1.21E-04	3.83E-08	1.62E-08	1.48E-04	4.69E-08	1.99E-08	1.30E-04	4.11E-08	1.74E-08
5890	487552.48, 3860035.53	1.28E-04	4.04E-08	1.71E-08	1.57E-04	4.95E-08	2.10E-08	1.38E-04	4.34E-08	1.84E-08
5891	487552.91, 3859942.79	1.34E-04	4.24E-08	1.80E-08	1.65E-04	5.19E-08	2.20E-08	1.44E-04	4.56E-08	1.93E-08
5892	487553.33, 3859850.05	1.43E-04	4.51E-08	1.91E-08	1.75E-04	5.52E-08	2.34E-08	1.53E-04	4.84E-08	2.05E-08
5893	487553.76, 3859757.31	1.51E-04	4.77E-08	2.02E-08	1.85E-04	5.84E-08	2.48E-08	1.62E-04	5.12E-08	2.17E-08
5894	487554.19, 3859664.57	1.60E-04	5.06E-08	2.15E-08	1.96E-04	6.20E-08	2.63E-08	1.72E-04	5.44E-08	2.31E-08
5895	487460.2, 3859571.05	1.69E-04	5.33E-08	2.26E-08	2.07E-04	6.53E-08	2.77E-08	1.82E-04	5.73E-08	2.43E-08
5896	487365.78, 3859570.27	1.68E-04	5.29E-08	2.25E-08	2.05E-04	6.48E-08	2.75E-08	1.80E-04	5.69E-08	2.41E-08
5897	487271.36, 3859569.48	1.66E-04	5.25E-08	2.23E-08	2.04E-04	6.43E-08	2.73E-08	1.79E-04	5.64E-08	2.39E-08
5898	487176.94, 3859568.7	1.65E-04	5.21E-08	2.21E-08	2.02E-04	6.38E-08	2.71E-08	1.77E-04	5.60E-08	2.37E-08
5899	487082.51, 3859567.92	1.64E-04	5.17E-08	2.20E-08	2.01E-04	6.34E-08	2.69E-08	1.76E-04	5.56E-08	2.36E-08
5900	486988.09, 3859567.14	1.63E-04	5.14E-08	2.18E-08	1.99E-04	6.29E-08	2.67E-08	1.75E-04	5.52E-08	2.34E-08
5901	486893.67, 3859566.36	1.62E-04	5.10E-08	2.16E-08	1.98E-04	6.25E-08	2.65E-08	1.74E-04	5.48E-08	2.33E-08
5902	486799.25, 3859565.58	1.61E-04	5.07E-08	2.15E-08	1.97E-04	6.20E-08	2.63E-08	1.72E-04	5.44E-08	2.31E-08
5903	486704.83, 3859564.79	1.59E-04	5.03E-08	2.13E-08	1.95E-04	6.16E-08	2.61E-08	1.71E-04	5.40E-08	2.29E-08
5904	486610.41, 3859564.01	1.58E-04	5.00E-08	2.12E-08	1.94E-04	6.12E-08	2.60E-08	1.70E-04	5.37E-08	2.28E-08
5905	486515.99, 3859563.23	1.57E-04	4.95E-08	2.10E-08	1.92E-04	6.06E-08	2.57E-08	1.68E-04	5.31E-08	2.25E-08
5906	486421.57, 3859562.45	1.55E-04	4.90E-08	2.08E-08	1.90E-04	6.00E-08	2.55E-08	1.67E-04	5.26E-08	2.23E-08
5907	486327.14, 3859561.67	1.54E-04	4.87E-08	2.07E-08	1.89E-04	5.96E-08	2.53E-08	1.66E-04	5.23E-08	2.22E-08
5908	486232.72, 3859560.89	1.53E-04	4.82E-08	2.04E-08	1.87E-04	5.90E-08	2.50E-08	1.64E-04	5.17E-08	2.20E-08
5909	486138.3, 3859560.1	1.51E-04	4.77E-08	2.03E-08	1.85E-04	5.85E-08	2.48E-08	1.62E-04	5.12E-08	2.17E-08
5910	486043.88, 3859559.32	1.50E-04	4.72E-08	2.00E-08	1.83E-04	5.78E-08	2.45E-08	1.61E-04	5.07E-08	2.15E-08
5911	485949.35, 3859463.54	1.55E-04	4.89E-08	2.08E-08	1.90E-04	5.99E-08	2.54E-08	1.66E-04	5.25E-08	2.23E-08
5912	485949.24, 3859368.55	1.63E-04	5.14E-08	2.18E-08	1.99E-04	6.29E-08	2.67E-08	1.75E-04	5.51E-08	2.34E-08
5913	485949.12, 3859273.55	1.71E-04	5.40E-08	2.29E-08	2.10E-04	6.62E-08	2.81E-08	1.84E-04	5.80E-08	2.46E-08
5914	485949.01, 3859178.56	1.80E-04	5.69E-08	2.41E-08	2.21E-04	6.96E-08	2.95E-08	1.93E-04	6.10E-08	2.59E-08
5915	485948.9, 3859083.56	1.90E-04	6.00E-08	2.55E-08	2.33E-04	7.35E-08	3.12E-08	2.04E-04	6.45E-08	2.73E-08
5916	485948.79, 3858988.56	2.00E-04	6.32E-08	2.68E-08	2.45E-04	7.74E-08	3.29E-08	2.15E-04	6.79E-08	2.88E-08
5917	485948.67, 3858893.57	2.11E-04	6.67E-08	2.83E-08	2.59E-04	8.16E-08	3.46E-08	2.27E-04	7.16E-08	3.04E-08
5918	485948.56, 3858798.57	2.24E-04	7.08E-08	3.00E-08	2.75E-04	8.67E-08	3.68E-08	2.41E-04	7.60E-08	3.22E-08
5919	485948.45, 3858703.58	2.37E-04	7.47E-08	3.17E-08	2.90E-04	9.14E-08	3.88E-08	2.54E-04	8.02E-08	3.40E-08
5920	485948.34, 3858608.58	2.52E-04	7.94E-08	3.37E-08	3.08E-04	9.72E-08	4.13E-08	2.70E-04	8.52E-08	3.62E-08
5921	485948.22, 3858513.59	2.68E-04	8.45E-08	3.58E-08	3.28E-04	1.03E-07	4.39E-08	2.87E-04	9.07E-08	3.85E-08
5922	485948.11, 3858418.59	2.85E-04	8.98E-08	3.81E-08	3.48E-04	1.10E-07	4.67E-08	3.05E-04	9.64E-08	4.09E-08
5923	485948, 3858323.59	3.04E-04	9.61E-08	4.08E-08	3.73E-04	1.18E-07	4.99E-08	3.27E-04	1.03E-07	4.38E-08
5924	485947.89, 3858228.6	3.25E-04	1.02E-07	4.35E-08	3.98E-04	1.26E-07	5.33E-08	3.49E-04	1.10E-07	4.67E-08
5925	485947.77, 3858133.6	3.47E-04	1.10E-07	4.65E-08	4.25E-04	1.34E-07	5.69E-08	3.73E-04	1.18E-07	4.99E-08
5926	485947.66, 3858038.61	3.76E-04	1.19E-07	5.03E-08	4.60E-04	1.45E-07	6.16E-08	4.03E-04	1.27E-07	5.40E-08
5927	485854.54, 3857943.35	3.86E-04	1.22E-07	5.17E-08	4.73E-04	1.49E-07	6.34E-08	4.15E-04	1.31E-07	5.55E-08
5928	485761.52, 3857943.09	3.71E-04	1.17E-07	4.97E-08	4.55E-04	1.44E-07	6.09E-08	3.99E-04	1.26E-07	5.34E-08
5929	485668.51, 3857942.83	3.59E-04	1.13E-07	4.80E-08	4.39E-04	1.39E-07	5.88E-08	3.85E-04	1.22E-07	5.16E-08
5930	485575.5, 3857942.56	3.45E-04	1.09E-07	4.63E-08	4.23E-04	1.34E-07	5.66E-08	3.71E-04	1.17E-07	4.96E-08
5931	485482.48, 3857942.3	3.34E-04	1.05E-07	4.47E-08	4.09E-04	1.29E-07	5.48E-08	3.59E-04	1.13E-07	4.80E-08
5932	485389.47, 3857942.04	3.23E-04	1.02E-07	4.33E-08	3.96E-04	1.25E-07	5.30E-08	3.47E-04	1.10E-07	4.65E-08
5933	485296.46, 3857941.78	3.13E-04	9.89E-08	4.20E-08	3.84E-04	1.21E-07	5.14E-08	3.36E-04	1.06E-07	4.51E-08
5934	485203.45, 3857941.52	3.05E-04	9.62E-08	4.08E-08	3.73E-04	1.18E-07	5.00E-08	3.27E-04	1.03E-07	4.39E-08
5935	485110.43, 3857941.26	2.95E-04	9.33E-08	3.96E-08	3.62E-04	1.14E-07	4.85E-08	3.17E-04	1.00E-07	4.25E-08
5936	485017.42, 3857940.99	2.86E-04	9.03E-08	3.83E-08	3.50E-04	1.11E-07	4.69E-08	3.07E-04	9.70E-08	4.12E-08
5937	484924.41, 3857940.73	2.77E-04	8.74E-08	3.71E-08	3.39E-04	1.07E-07	4.54E-08	2.98E-04	9.40E-08	3.99E-08
5938	484831.39, 3857940.47	2.69E-04	8.50E-08	3.60E-08	3.30E-04	1.04E-07	4.41E-08	2.89E-04	9.13E-08	3.87E-08
5939	484738.12, 3857859.3	2.72E-04	8.59E-08	3.64E-08	3.33E-04	1.05E-07	4.46E-08	2.93E-04	9.23E-08	3.92E-08
5940	484737.85, 3857778.4	2.84E-04	8.97E-08	3.81E-08	3.48E-04	1.10E-07	4.66E-08	3.06E-04	9.64E-08	4.09E-08
5941	484737.59, 3857697.49	2.97E-04	9.36E-08	3.97E-08	3.63E-04	1.15E-07	4.86E-08	3.19E-04	1.01E-07	4.27E-08
5942	484737.32, 3857616.59	3.09E-04	9.75E-08	4.14E-08	3.78E-04	1.19E-07	5.07E-08	3.32E-04	1.05E-07	4.45E-08
5943	484645.53, 3857535.18	3.12E-04	9.85E-08	4.18E-08	3.82E-04	1.21E-07	5.12E-08	3.35E-04	1.06E-07	4.49E-08
5944	484553.99, 3857534.67	3.02E-04	9.52E-08	4.04E-08	3.69E-04	1.17E-07	4.95E-08	3.24E-04	1.02E-07	4.34E-08
5945	484462.46, 3857534.17	2.93E-04	9.24E-08	3.92E-08	3.58E-04	1.13E-07	4.80E-08	3.15E-04	9.93E-08	4.21E-08
5946	484370.93, 3857533.66	2.84E-04	8.96E-08	3.80E-08	3.48E-04	1.10E-07	4.66E-08	3.05E-04	9.63E-08	4.09E-08
5947	484279.4, 3857533.16	2.76E-04	8.70E-08	3.69E-08	3.38E-04	1.07E-07	4.52E-08	2.96E-04	9.36E-08	3.97E-08
5948	484187.86, 3857532.65	2.68E-04	8.44E-08	3.58E-08	3.28E-04	1.03E-07	4.39E-08	2.88E-04	9.08E-08	3.85E-08

5949	484096.33, 3857532.15	2.60E-04	8.22E-08	3.49E-08	3.19E-04	1.01E-07	4.27E-08	2.80E-04	8.83E-08	3.75E-08
5950	484004.8, 3857531.64	2.52E-04	7.97E-08	3.38E-08	3.09E-04	9.76E-08	4.14E-08	2.71E-04	8.57E-08	3.63E-08
5951	483913.27, 3857531.14	2.44E-04	7.71E-08	3.27E-08	2.99E-04	9.44E-08	4.00E-08	2.62E-04	8.28E-08	3.51E-08
5952	483821.73, 3857530.63	2.37E-04	7.48E-08	3.17E-08	2.90E-04	9.16E-08	3.89E-08	2.55E-04	8.04E-08	3.41E-08
5953	483729.61, 3857450.11	2.37E-04	7.49E-08	3.18E-08	2.91E-04	9.17E-08	3.89E-08	2.55E-04	8.05E-08	3.42E-08
5954	483729.03, 3857370.08	2.46E-04	7.77E-08	3.30E-08	3.01E-04	9.51E-08	4.04E-08	2.65E-04	8.35E-08	3.54E-08
5955	483728.44, 3857290.06	2.54E-04	8.03E-08	3.41E-08	3.11E-04	9.83E-08	4.17E-08	2.73E-04	8.63E-08	3.66E-08
5956	483727.86, 3857210.03	2.62E-04	8.28E-08	3.51E-08	3.21E-04	1.01E-07	4.30E-08	2.82E-04	8.90E-08	3.78E-08
5957	483641.15, 3857129.07	2.63E-04	8.31E-08	3.52E-08	3.22E-04	1.02E-07	4.32E-08	2.83E-04	8.93E-08	3.79E-08
5958	483555.03, 3857128.14	2.55E-04	8.05E-08	3.42E-08	3.12E-04	9.86E-08	4.18E-08	2.74E-04	8.65E-08	3.67E-08
5959	483468.91, 3857127.2	2.46E-04	7.76E-08	3.29E-08	3.01E-04	9.50E-08	4.03E-08	2.64E-04	8.34E-08	3.54E-08
5960	483382.78, 3857126.26	2.39E-04	7.55E-08	3.21E-08	2.93E-04	9.25E-08	3.93E-08	2.57E-04	8.12E-08	3.44E-08
5961	483296.66, 3857125.32	2.32E-04	7.32E-08	3.11E-08	2.84E-04	8.97E-08	3.81E-08	2.49E-04	7.87E-08	3.34E-08
5962	483210.54, 3857124.39	2.25E-04	7.09E-08	3.01E-08	2.75E-04	8.68E-08	3.68E-08	2.41E-04	7.62E-08	3.23E-08
5963	483123.4, 3857030.96	2.25E-04	7.09E-08	3.01E-08	2.75E-04	8.69E-08	3.69E-08	2.41E-04	7.62E-08	3.23E-08
5964	483122.38, 3856938.46	2.33E-04	7.34E-08	3.12E-08	2.85E-04	8.99E-08	3.82E-08	2.50E-04	7.89E-08	3.35E-08
5965	483121.35, 3856845.97	2.41E-04	7.60E-08	3.23E-08	2.95E-04	9.31E-08	3.95E-08	2.59E-04	8.17E-08	3.46E-08
5966	483120.33, 3856753.47	2.47E-04	7.81E-08	3.31E-08	3.03E-04	9.56E-08	4.06E-08	2.66E-04	8.39E-08	3.56E-08
5967	483119.31, 3856660.98	2.54E-04	8.02E-08	3.40E-08	3.11E-04	9.82E-08	4.17E-08	2.73E-04	8.61E-08	3.65E-08
5968	483118.29, 3856568.49	2.62E-04	8.26E-08	3.51E-08	3.21E-04	1.01E-07	4.29E-08	2.81E-04	8.87E-08	3.77E-08
5969	483117.26, 3856475.99	2.70E-04	8.53E-08	3.62E-08	3.31E-04	1.04E-07	4.43E-08	2.90E-04	9.16E-08	3.89E-08
5970	483116.24, 3856383.5	2.78E-04	8.78E-08	3.72E-08	3.41E-04	1.07E-07	4.56E-08	2.99E-04	9.43E-08	4.00E-08
5971	483115.22, 3856291.01	2.86E-04	9.04E-08	3.84E-08	3.51E-04	1.11E-07	4.70E-08	3.08E-04	9.71E-08	4.12E-08
5972	483114.2, 3856198.51	2.94E-04	9.28E-08	3.94E-08	3.60E-04	1.14E-07	4.82E-08	3.16E-04	9.97E-08	4.23E-08
5973	483113.17, 3856106.02	3.04E-04	9.60E-08	4.07E-08	3.73E-04	1.18E-07	4.99E-08	3.27E-04	1.03E-07	4.37E-08
5974	483112.15, 3856013.52	3.13E-04	9.88E-08	4.19E-08	3.83E-04	1.21E-07	5.13E-08	3.36E-04	1.06E-07	4.50E-08
5975	483029.25, 3855920.47	3.10E-04	9.79E-08	4.15E-08	3.80E-04	1.20E-07	5.09E-08	3.33E-04	1.05E-07	4.46E-08
5976	482947.37, 3855919.91	2.98E-04	9.39E-08	3.99E-08	3.65E-04	1.15E-07	4.88E-08	3.20E-04	1.01E-07	4.28E-08
5977	482865.49, 3855919.36	2.85E-04	9.01E-08	3.82E-08	3.50E-04	1.10E-07	4.68E-08	3.06E-04	9.67E-08	4.10E-08
5978	482783.61, 3855918.8	2.75E-04	8.68E-08	3.68E-08	3.37E-04	1.06E-07	4.51E-08	2.95E-04	9.32E-08	3.95E-08
5979	482700.33, 3855818.39	2.72E-04	8.58E-08	3.64E-08	3.33E-04	1.05E-07	4.46E-08	2.92E-04	9.21E-08	3.91E-08
5980	482698.92, 3855718.54	2.80E-04	8.83E-08	3.75E-08	3.43E-04	1.08E-07	4.59E-08	3.00E-04	9.47E-08	4.02E-08
5981	482697.52, 3855618.68	2.86E-04	9.02E-08	3.83E-08	3.50E-04	1.11E-07	4.69E-08	3.07E-04	9.68E-08	4.11E-08
5982	482696.11, 3855518.83	2.93E-04	9.25E-08	3.93E-08	3.59E-04	1.13E-07	4.81E-08	3.15E-04	9.93E-08	4.21E-08
5983	482694.71, 3855418.98	2.98E-04	9.41E-08	3.99E-08	3.65E-04	1.15E-07	4.89E-08	3.20E-04	1.01E-07	4.29E-08
5984	482693.3, 3855319.13	3.03E-04	9.57E-08	4.06E-08	3.72E-04	1.17E-07	4.98E-08	3.26E-04	1.03E-07	4.36E-08
5985	482691.9, 3855219.27	3.10E-04	9.79E-08	4.15E-08	3.80E-04	1.20E-07	5.09E-08	3.33E-04	1.05E-07	4.46E-08
5986	482690.49, 3855119.42	3.16E-04	9.99E-08	4.24E-08	3.88E-04	1.22E-07	5.19E-08	3.40E-04	1.07E-07	4.55E-08
5987	482689.09, 3855019.57	3.27E-04	1.03E-07	4.38E-08	4.01E-04	1.27E-07	5.37E-08	3.51E-04	1.11E-07	4.71E-08
5988	482687.68, 3854919.72	3.36E-04	1.06E-07	4.50E-08	4.12E-04	1.30E-07	5.51E-08	3.61E-04	1.14E-07	4.83E-08
5989	482686.28, 3854819.86	3.49E-04	1.10E-07	4.67E-08	4.27E-04	1.35E-07	5.72E-08	3.74E-04	1.18E-07	5.01E-08
5990	482684.88, 3854720.01	3.58E-04	1.13E-07	4.80E-08	4.39E-04	1.38E-07	5.88E-08	3.85E-04	1.21E-07	5.15E-08
5991	482683.47, 3854620.16	3.74E-04	1.18E-07	5.01E-08	4.59E-04	1.45E-07	6.14E-08	4.02E-04	1.27E-07	5.39E-08
5992	482682.07, 3854520.31	3.88E-04	1.23E-07	5.20E-08	4.76E-04	1.50E-07	6.37E-08	4.18E-04	1.32E-07	5.59E-08
5993	482680.66, 3854420.45	4.02E-04	1.27E-07	5.39E-08	4.93E-04	1.56E-07	6.60E-08	4.33E-04	1.37E-07	5.80E-08
5994	482679.26, 3854320.6	4.13E-04	1.30E-07	5.53E-08	5.06E-04	1.60E-07	6.78E-08	4.45E-04	1.40E-07	5.96E-08
5995	482677.85, 3854220.75	4.36E-04	1.38E-07	5.84E-08	5.35E-04	1.69E-07	7.16E-08	4.70E-04	1.48E-07	6.29E-08
5996	482676.45, 3854120.9	4.34E-04	1.37E-07	5.82E-08	5.32E-04	1.68E-07	7.13E-08	4.68E-04	1.48E-07	6.27E-08
5997	482675.04, 3854021.04	4.36E-04	1.38E-07	5.84E-08	5.34E-04	1.69E-07	7.15E-08	4.70E-04	1.48E-07	6.29E-08
5998	482673.64, 3853921.19	4.35E-04	1.37E-07	5.82E-08	5.33E-04	1.68E-07	7.13E-08	4.69E-04	1.48E-07	6.27E-08
5999	482672.23, 3853821.34	4.41E-04	1.39E-07	5.90E-08	5.40E-04	1.70E-07	7.23E-08	4.75E-04	1.50E-07	6.36E-08
6000	482670.83, 3853721.49	4.33E-04	1.37E-07	5.80E-08	5.31E-04	1.68E-07	7.11E-08	4.67E-04	1.47E-07	6.26E-08
6001	482669.42, 3853621.63	3.84E-04	1.21E-07	5.14E-08	4.71E-04	1.49E-07	6.30E-08	4.14E-04	1.31E-07	5.55E-08
6002	482645.99, 3853446.13	2.23E-04	7.04E-08	2.99E-08	2.73E-04	8.63E-08	3.66E-08	2.40E-04	7.58E-08	3.22E-08
6003	482623.97, 3853370.49	1.88E-04	5.95E-08	2.52E-08	2.31E-04	7.29E-08	3.09E-08	2.03E-04	6.40E-08	2.72E-08
6004	482601.94, 3853294.84	1.67E-04	5.26E-08	2.23E-08	2.04E-04	6.44E-08	2.73E-08	1.79E-04	5.66E-08	2.40E-08
6005	482531.29, 3853133.44	1.39E-04	4.40E-08	1.87E-08	1.71E-04	5.39E-08	2.29E-08	1.50E-04	4.73E-08	2.01E-08
6006	482482.68, 3853047.69	1.30E-04	4.10E-08	1.74E-08	1.59E-04	5.03E-08	2.13E-08	1.40E-04	4.41E-08	1.87E-08
6007	482383.09, 3852897.4	1.16E-04	3.66E-08	1.55E-08	1.42E-04	4.48E-08	1.90E-08	1.25E-04	3.93E-08	1.67E-08
6008	482265.64, 3852765.26	1.06E-04	3.34E-08	1.42E-08	1.30E-04	4.09E-08	1.74E-08	1.14E-04	3.59E-08	1.52E-08
6009	482199.16, 3852697.66	1.01E-04	3.20E-08	1.36E-08	1.24E-04	3.92E-08	1.66E-08	1.09E-04	3.44E-08	1.46E-08
6010	482132.69, 3852630.07	9.74E-05	3.07E-08	1.30E-08	1.19E-04	3.76E-08	1.60E-08	1.05E-04	3.30E-08	1.40E-08
6011	482066.21, 3852562.48	9.36E-05	2.95E-08	1.25E-08	1.15E-04	3.62E-08	1.53E-08	1.01E-04	3.17E-08	1.35E-08
6012	481999.74, 3852494.89	9.00E-05	2.84E-08	1.20E-08	1.10E-04	3.48E-08	1.48E-08	9.67E-05	3.05E-08	1.29E-08

6013	481933.26, 3852427.29	8.66E-05	2.73E-08	1.16E-08	1.06E-04	3.35E-08	1.42E-08	9.31E-05	2.94E-08	1.25E-08
6014	481866.79, 3852359.7	8.37E-05	2.64E-08	1.12E-08	1.03E-04	3.24E-08	1.37E-08	8.99E-05	2.84E-08	1.20E-08
6015	481800.31, 3852292.11	8.10E-05	2.56E-08	1.08E-08	9.92E-05	3.13E-08	1.33E-08	8.70E-05	2.75E-08	1.17E-08
6016	481733.84, 3852224.52	7.84E-05	2.48E-08	1.05E-08	9.61E-05	3.03E-08	1.29E-08	8.43E-05	2.66E-08	1.13E-08
6017	481667.36, 3852156.92	7.61E-05	2.40E-08	1.02E-08	9.32E-05	2.94E-08	1.25E-08	8.18E-05	2.58E-08	1.10E-08
6018	481600.89, 3852089.33	7.36E-05	2.32E-08	9.86E-09	9.02E-05	2.85E-08	1.21E-08	7.91E-05	2.50E-08	1.06E-08
6019	481534.41, 3852021.74	7.13E-05	2.25E-08	9.55E-09	8.73E-05	2.76E-08	1.17E-08	7.66E-05	2.42E-08	1.03E-08
6020	481467.94, 3851954.15	6.91E-05	2.18E-08	9.26E-09	8.47E-05	2.67E-08	1.13E-08	7.43E-05	2.34E-08	9.95E-09
6021	481401.46, 3851886.55	6.72E-05	2.12E-08	9.00E-09	8.23E-05	2.60E-08	1.10E-08	7.22E-05	2.28E-08	9.67E-09
6022	481265.87, 3851761.43	6.35E-05	2.00E-08	8.51E-09	7.78E-05	2.46E-08	1.04E-08	6.83E-05	2.15E-08	9.14E-09
6023	481196.74, 3851703.89	6.19E-05	1.95E-08	8.29E-09	7.58E-05	2.39E-08	1.02E-08	6.65E-05	2.10E-08	8.91E-09
6024	481076.33, 3851619.05	5.93E-05	1.87E-08	7.95E-09	7.27E-05	2.29E-08	9.74E-09	6.38E-05	2.01E-08	8.54E-09
6025	480939.8, 3851549.07	5.68E-05	1.79E-08	7.61E-09	6.96E-05	2.20E-08	9.32E-09	6.11E-05	1.93E-08	8.18E-09
6026	480854.56, 3851506.41	5.52E-05	1.74E-08	7.40E-09	6.77E-05	2.14E-08	9.06E-09	5.93E-05	1.87E-08	7.95E-09
6027	480769.32, 3851463.75	5.37E-05	1.69E-08	7.19E-09	6.58E-05	2.08E-08	8.81E-09	5.77E-05	1.82E-08	7.73E-09
6028	480684.08, 3851421.08	5.22E-05	1.65E-08	6.98E-09	6.39E-05	2.02E-08	8.56E-09	5.60E-05	1.77E-08	7.50E-09
6029	480598.84, 3851378.42	5.06E-05	1.60E-08	6.77E-09	6.20E-05	1.96E-08	8.30E-09	5.44E-05	1.72E-08	7.28E-09
6030	480435.71, 3851275.01	4.78E-05	1.51E-08	6.40E-09	5.85E-05	1.85E-08	7.84E-09	5.13E-05	1.62E-08	6.87E-09
6031	480347.85, 3851232.36	4.63E-05	1.46E-08	6.20E-09	5.67E-05	1.79E-08	7.60E-09	4.98E-05	1.57E-08	6.66E-09
6032	480260, 3851189.72	4.49E-05	1.42E-08	6.01E-09	5.50E-05	1.74E-08	7.36E-09	4.82E-05	1.52E-08	6.46E-09
6033	480172.15, 3851147.07	4.35E-05	1.37E-08	5.83E-09	5.33E-05	1.68E-08	7.14E-09	4.68E-05	1.48E-08	6.26E-09
6034	480084.29, 3851104.42	4.22E-05	1.33E-08	5.65E-09	5.16E-05	1.63E-08	6.92E-09	4.53E-05	1.43E-08	6.07E-09
6035	479996.44, 3851061.77	4.09E-05	1.29E-08	5.47E-09	5.01E-05	1.58E-08	6.71E-09	4.39E-05	1.39E-08	5.88E-09
6036	479908.58, 3851019.13	3.95E-05	1.25E-08	5.29E-09	4.84E-05	1.53E-08	6.48E-09	4.25E-05	1.34E-08	5.69E-09
6037	479820.73, 3850976.48	3.83E-05	1.21E-08	5.13E-09	4.69E-05	1.48E-08	6.28E-09	4.12E-05	1.30E-08	5.51E-09
6038	479732.88, 3850933.83	3.72E-05	1.17E-08	4.98E-09	4.55E-05	1.44E-08	6.09E-09	3.99E-05	1.26E-08	5.35E-09
6039	479645.02, 3850891.18	3.61E-05	1.14E-08	4.83E-09	4.42E-05	1.40E-08	5.92E-09	3.88E-05	1.22E-08	5.19E-09
6040	479557.17, 3850848.54	3.51E-05	1.11E-08	4.71E-09	4.31E-05	1.36E-08	5.77E-09	3.78E-05	1.19E-08	5.06E-09
6041	479469.32, 3850805.89	3.41E-05	1.08E-08	4.57E-09	4.18E-05	1.32E-08	5.60E-09	3.67E-05	1.16E-08	4.91E-09
6042	479381.46, 3850763.24	3.34E-05	1.05E-08	4.47E-09	4.09E-05	1.29E-08	5.47E-09	3.59E-05	1.13E-08	4.80E-09
6043	479293.61, 3850720.59	3.28E-05	1.03E-08	4.39E-09	4.02E-05	1.27E-08	5.38E-09	3.52E-05	1.11E-08	4.72E-09
6044	479205.76, 3850677.95	3.22E-05	1.02E-08	4.31E-09	3.94E-05	1.24E-08	5.28E-09	3.46E-05	1.09E-08	4.63E-09
6045	479117.9, 3850635.3	3.16E-05	9.98E-09	4.24E-09	3.88E-05	1.22E-08	5.19E-09	3.40E-05	1.07E-08	4.55E-09
6046	479030.05, 3850592.65	3.11E-05	9.81E-09	4.16E-09	3.81E-05	1.20E-08	5.10E-09	3.34E-05	1.05E-08	4.47E-09
6047	478942.19, 3850550	3.04E-05	9.60E-09	4.07E-09	3.72E-05	1.18E-08	4.99E-09	3.27E-05	1.03E-08	4.38E-09
6048	478854.34, 3850507.36	2.93E-05	9.25E-09	3.93E-09	3.59E-05	1.13E-08	4.81E-09	3.15E-05	9.94E-09	4.22E-09
6049	478766.49, 3850464.71	2.85E-05	9.00E-09	3.82E-09	3.49E-05	1.10E-08	4.68E-09	3.07E-05	9.68E-09	4.11E-09
6050	478678.63, 3850422.06	2.79E-05	8.80E-09	3.73E-09	3.42E-05	1.08E-08	4.57E-09	3.00E-05	9.46E-09	4.01E-09
6051	478590.78, 3850379.41	2.72E-05	8.60E-09	3.65E-09	3.34E-05	1.05E-08	4.47E-09	2.93E-05	9.24E-09	3.92E-09
6052	478502.93, 3850336.77	2.67E-05	8.44E-09	3.58E-09	3.28E-05	1.03E-08	4.39E-09	2.87E-05	9.07E-09	3.85E-09
6053	478415.07, 3850294.12	2.64E-05	8.32E-09	3.53E-09	3.23E-05	1.02E-08	4.33E-09	2.83E-05	8.95E-09	3.80E-09
6054	478327.22, 3850251.47	2.58E-05	8.13E-09	3.45E-09	3.16E-05	9.96E-09	4.23E-09	2.77E-05	8.74E-09	3.71E-09
6055	478239.36, 3850208.82	2.53E-05	7.98E-09	3.39E-09	3.10E-05	9.78E-09	4.15E-09	2.72E-05	8.58E-09	3.64E-09
6056	478151.51, 3850166.18	2.49E-05	7.86E-09	3.34E-09	3.05E-05	9.63E-09	4.09E-09	2.68E-05	8.45E-09	3.59E-09
6057	478063.66, 3850123.53	2.46E-05	7.76E-09	3.29E-09	3.01E-05	9.50E-09	4.03E-09	2.64E-05	8.34E-09	3.54E-09
6058	477975.8, 3850080.88	2.51E-05	7.91E-09	3.36E-09	3.07E-05	9.69E-09	4.11E-09	2.69E-05	8.50E-09	3.61E-09
6059	477887.95, 3850038.23	2.49E-05	7.86E-09	3.34E-09	3.05E-05	9.63E-09	4.09E-09	2.68E-05	8.45E-09	3.59E-09
6060	477800.1, 3849995.59	2.49E-05	7.85E-09	3.33E-09	3.05E-05	9.62E-09	4.08E-09	2.67E-05	8.44E-09	3.58E-09
6061	477712.24, 3849952.94	2.46E-05	7.78E-09	3.30E-09	3.02E-05	9.52E-09	4.04E-09	2.65E-05	8.36E-09	3.55E-09
6062	477624.39, 3849910.29	2.44E-05	7.70E-09	3.27E-09	2.99E-05	9.43E-09	4.00E-09	2.62E-05	8.28E-09	3.51E-09
6063	477536.54, 3849867.64	2.42E-05	7.65E-09	3.24E-09	2.97E-05	9.36E-09	3.97E-09	2.60E-05	8.22E-09	3.49E-09
6064	477448.68, 3849825	2.39E-05	7.55E-09	3.20E-09	2.93E-05	9.25E-09	3.93E-09	2.57E-05	8.12E-09	3.44E-09
6065	477360.83, 3849782.35	2.37E-05	7.47E-09	3.17E-09	2.90E-05	9.15E-09	3.88E-09	2.54E-05	8.03E-09	3.41E-09
6066	477272.97, 3849739.7	2.34E-05	7.39E-09	3.13E-09	2.87E-05	9.05E-09	3.84E-09	2.52E-05	7.94E-09	3.37E-09
6067	477185.12, 3849697.05	2.32E-05	7.32E-09	3.11E-09	2.84E-05	8.96E-09	3.80E-09	2.49E-05	7.87E-09	3.34E-09
6068	477097.27, 3849654.41	2.29E-05	7.22E-09	3.06E-09	2.80E-05	8.84E-09	3.75E-09	2.46E-05	7.76E-09	3.29E-09
6069	477009.41, 3849611.76	2.24E-05	7.07E-09	3.00E-09	2.74E-05	8.66E-09	3.67E-09	2.41E-05	7.60E-09	3.22E-09
6070	476841.49, 3849530.08	2.18E-05	6.89E-09	2.92E-09	2.67E-05	8.44E-09	3.58E-09	2.35E-05	7.41E-09	3.14E-09
6071	476761.41, 3849491.05	2.16E-05	6.83E-09	2.90E-09	2.65E-05	8.37E-09	3.55E-09	2.33E-05	7.34E-09	3.11E-09
6072	476681.34, 3849452.02	2.13E-05	6.73E-09	2.85E-09	2.61E-05	8.24E-09	3.50E-09	2.29E-05	7.23E-09	3.07E-09
6073	476601.26, 3849412.99	2.09E-05	6.61E-09	2.80E-09	2.57E-05	8.10E-09	3.43E-09	2.25E-05	7.10E-09	3.01E-09
6074	476456.32, 3849353.67	2.02E-05	6.38E-09	2.71E-09	2.48E-05	7.82E-09	3.32E-09	2.17E-05	6.86E-09	2.91E-09
6075	476305.43, 3849318.84	2.02E-05	6.38E-09	2.71E-09	2.48E-05	7.82E-09	3.32E-09	2.17E-05	6.86E-09	2.91E-09
6076	476129.36, 3849289.99	2.01E-05	6.33E-09	2.69E-09	2.46E-05	7.75E-09	3.29E-09	2.15E-05	6.80E-09	2.89E-09

6077	476039.31, 3849275.68	2.00E-05	6.32E-09	2.68E-09	2.45E-05	7.74E-09	3.28E-09	2.15E-05	6.79E-09	2.88E-09
6078	475949.26, 3849261.38	1.97E-05	6.20E-09	2.63E-09	2.41E-05	7.60E-09	3.22E-09	2.11E-05	6.66E-09	2.83E-09
6079	475859.21, 3849247.08	1.96E-05	6.17E-09	2.62E-09	2.40E-05	7.56E-09	3.21E-09	2.10E-05	6.63E-09	2.81E-09
6080	475769.16, 3849232.77	1.94E-05	6.12E-09	2.60E-09	2.38E-05	7.50E-09	3.18E-09	2.08E-05	6.58E-09	2.79E-09
6081	475585.23, 3849219.27	1.75E-05	5.54E-09	2.35E-09	2.15E-05	6.78E-09	2.88E-09	1.88E-05	5.95E-09	2.52E-09
6082	475444.5, 3849150.35	1.83E-05	5.77E-09	2.45E-09	2.24E-05	7.07E-09	3.00E-09	1.96E-05	6.20E-09	2.63E-09
6083	475334.18, 3849118.71	1.83E-05	5.78E-09	2.45E-09	2.24E-05	7.08E-09	3.00E-09	1.97E-05	6.21E-09	2.64E-09
6084	475230.47, 3849060.57	1.81E-05	5.71E-09	2.42E-09	2.21E-05	6.99E-09	2.97E-09	1.94E-05	6.13E-09	2.60E-09
6085	475110.86, 3848960.97	1.76E-05	5.56E-09	2.36E-09	2.16E-05	6.81E-09	2.89E-09	1.89E-05	5.97E-09	2.53E-09
6086	475037.79, 3848896.28	1.72E-05	5.44E-09	2.31E-09	2.11E-05	6.66E-09	2.83E-09	1.85E-05	5.84E-09	2.48E-09
6087	474964.72, 3848831.59	1.69E-05	5.32E-09	2.26E-09	2.07E-05	6.52E-09	2.77E-09	1.81E-05	5.72E-09	2.43E-09
6088	474891.65, 3848766.9	1.66E-05	5.24E-09	2.22E-09	2.03E-05	6.42E-09	2.72E-09	1.78E-05	5.63E-09	2.39E-09
6089	474818.58, 3848702.22	1.64E-05	5.18E-09	2.20E-09	2.01E-05	6.35E-09	2.69E-09	1.76E-05	5.57E-09	2.36E-09
6090	474745.51, 3848637.53	1.64E-05	5.19E-09	2.20E-09	2.01E-05	6.35E-09	2.69E-09	1.76E-05	5.57E-09	2.36E-09
6091	474672.44, 3848572.84	1.63E-05	5.14E-09	2.18E-09	2.00E-05	6.30E-09	2.67E-09	1.75E-05	5.52E-09	2.34E-09
6092	474599.37, 3848508.15	1.60E-05	5.04E-09	2.14E-09	1.96E-05	6.18E-09	2.62E-09	1.72E-05	5.42E-09	2.30E-09
6093	474526.3, 3848443.46	1.58E-05	4.97E-09	2.11E-09	1.93E-05	6.09E-09	2.59E-09	1.69E-05	5.34E-09	2.27E-09

IMF - Worker Risk

		2028 RD			2033 RD			2048 RD		
Rec#	X, Y	Concentrat	Dose	Risk	Concentrat	Dose	Risk	Concentrat	Dose	Risk
1	485973.61, 3854936.51	1.14E-03	1.80E-07	7.08E-08	1.40E-03	2.21E-07	8.68E-08	1.23E-03	1.93E-07	7.58E-08
2	486023.61, 3854936.51	1.10E-03	1.73E-07	6.78E-08	1.34E-03	2.11E-07	8.31E-08	1.17E-03	1.85E-07	7.26E-08
3	486073.61, 3854936.51	1.06E-03	1.67E-07	6.55E-08	1.30E-03	2.04E-07	8.03E-08	1.13E-03	1.79E-07	7.02E-08
4	486123.61, 3854936.51	1.00E-03	1.58E-07	6.20E-08	1.23E-03	1.93E-07	7.60E-08	1.07E-03	1.69E-07	6.64E-08
5	486173.61, 3854936.51	9.82E-04	1.55E-07	6.07E-08	1.20E-03	1.89E-07	7.44E-08	1.05E-03	1.66E-07	6.51E-08
6	486223.61, 3854936.51	9.43E-04	1.49E-07	5.84E-08	1.16E-03	1.82E-07	7.15E-08	1.01E-03	1.59E-07	6.25E-08
7	486273.61, 3854936.51	9.13E-04	1.44E-07	5.65E-08	1.12E-03	1.76E-07	6.92E-08	9.78E-04	1.54E-07	6.05E-08
8	486323.61, 3854936.51	8.86E-04	1.40E-07	5.48E-08	1.09E-03	1.71E-07	6.72E-08	9.49E-04	1.50E-07	5.87E-08
9	485973.61, 3854986.51	1.24E-03	1.95E-07	7.65E-08	1.51E-03	2.39E-07	9.37E-08	1.32E-03	2.09E-07	8.19E-08
10	486023.61, 3854986.51	1.19E-03	1.87E-07	7.35E-08	1.45E-03	2.29E-07	9.00E-08	1.27E-03	2.00E-07	7.87E-08
11	486073.61, 3854986.51	1.14E-03	1.79E-07	7.03E-08	1.39E-03	2.19E-07	8.61E-08	1.22E-03	1.92E-07	7.53E-08
12	486123.61, 3854986.51	1.09E-03	1.71E-07	6.73E-08	1.33E-03	2.10E-07	8.25E-08	1.17E-03	1.84E-07	7.21E-08
13	486173.61, 3854986.51	1.06E-03	1.66E-07	6.53E-08	1.29E-03	2.04E-07	8.00E-08	1.13E-03	1.78E-07	7.00E-08
14	486223.61, 3854986.51	1.01E-03	1.59E-07	6.26E-08	1.24E-03	1.95E-07	7.67E-08	1.08E-03	1.71E-07	6.71E-08
15	486273.61, 3854986.51	9.68E-04	1.53E-07	5.99E-08	1.19E-03	1.87E-07	7.34E-08	1.04E-03	1.63E-07	6.42E-08
16	486323.61, 3854986.51	9.53E-04	1.50E-07	5.90E-08	1.17E-03	1.84E-07	7.23E-08	1.02E-03	1.61E-07	6.32E-08
17	485973.61, 3855036.51	1.33E-03	2.10E-07	8.26E-08	1.64E-03	2.58E-07	1.01E-07	1.43E-03	2.25E-07	8.85E-08
18	486023.61, 3855036.51	1.28E-03	2.01E-07	7.90E-08	1.56E-03	2.46E-07	9.68E-08	1.37E-03	2.16E-07	8.47E-08
19	486073.61, 3855036.51	1.21E-03	1.91E-07	7.51E-08	1.49E-03	2.34E-07	9.20E-08	1.30E-03	2.05E-07	8.05E-08
20	486123.61, 3855036.51	1.16E-03	1.83E-07	7.20E-08	1.43E-03	2.25E-07	8.82E-08	1.25E-03	1.96E-07	7.72E-08
21	486173.61, 3855036.51	1.13E-03	1.78E-07	6.98E-08	1.38E-03	2.18E-07	8.55E-08	1.21E-03	1.91E-07	7.49E-08
22	486223.61, 3855036.51	1.08E-03	1.69E-07	6.66E-08	1.32E-03	2.08E-07	8.16E-08	1.15E-03	1.82E-07	7.14E-08
23	486273.61, 3855036.51	1.05E-03	1.65E-07	6.49E-08	1.28E-03	2.02E-07	7.95E-08	1.12E-03	1.77E-07	6.96E-08
24	486323.61, 3855036.51	1.01E-03	1.59E-07	6.25E-08	1.24E-03	1.95E-07	7.65E-08	1.08E-03	1.70E-07	6.70E-08
25	485973.61, 3855086.51	1.43E-03	2.25E-07	8.85E-08	1.75E-03	2.76E-07	1.08E-07	1.53E-03	2.42E-07	9.49E-08
26	486023.61, 3855086.51	1.37E-03	2.16E-07	8.50E-08	1.68E-03	2.65E-07	1.04E-07	1.47E-03	2.32E-07	9.11E-08
27	486073.61, 3855086.51	1.30E-03	2.05E-07	8.07E-08	1.60E-03	2.52E-07	9.88E-08	1.40E-03	2.20E-07	8.65E-08
28	486123.61, 3855086.51	1.26E-03	1.98E-07	7.77E-08	1.54E-03	2.42E-07	9.52E-08	1.35E-03	2.12E-07	8.33E-08
29	486173.61, 3855086.51	1.20E-03	1.89E-07	7.41E-08	1.47E-03	2.31E-07	9.08E-08	1.28E-03	2.02E-07	7.94E-08
30	486223.61, 3855086.51	1.15E-03	1.82E-07	7.14E-08	1.41E-03	2.23E-07	8.75E-08	1.24E-03	1.95E-07	7.66E-08
31	485973.61, 3855136.51	1.54E-03	2.43E-07	9.53E-08	1.89E-03	2.97E-07	1.17E-07	1.65E-03	2.60E-07	1.02E-07
32	486023.61, 3855136.51	1.47E-03	2.31E-07	9.09E-08	1.80E-03	2.84E-07	1.11E-07	1.58E-03	2.48E-07	9.75E-08
33	486073.61, 3855136.51	1.40E-03	2.21E-07	8.67E-08	1.72E-03	2.70E-07	1.06E-07	1.50E-03	2.37E-07	9.30E-08
34	486123.61, 3855136.51	1.34E-03	2.11E-07	8.30E-08	1.64E-03	2.59E-07	1.02E-07	1.44E-03	2.27E-07	8.91E-08
35	486173.61, 3855136.51	1.28E-03	2.02E-07	7.94E-08	1.57E-03	2.47E-07	9.72E-08	1.38E-03	2.17E-07	8.52E-08
36	486223.61, 3855136.51	1.23E-03	1.94E-07	7.61E-08	1.51E-03	2.37E-07	9.33E-08	1.32E-03	2.08E-07	8.17E-08
37	485973.61, 3855186.51	1.65E-03	2.60E-07	1.02E-07	2.02E-03	3.19E-07	1.25E-07	1.77E-03	2.79E-07	1.10E-07
38	486023.61, 3855186.51	1.58E-03	2.48E-07	9.76E-08	1.93E-03	3.04E-07	1.20E-07	1.69E-03	2.67E-07	1.05E-07
39	486073.61, 3855186.51	1.50E-03	2.36E-07	9.26E-08	1.83E-03	2.89E-07	1.13E-07	1.61E-03	2.53E-07	9.93E-08
40	486123.61, 3855186.51	1.42E-03	2.24E-07	8.79E-08	1.74E-03	2.74E-07	1.08E-07	1.53E-03	2.40E-07	9.44E-08
41	486173.61, 3855186.51	1.36E-03	2.14E-07	8.42E-08	1.67E-03	2.63E-07	1.03E-07	1.46E-03	2.30E-07	9.04E-08
42	486223.61, 3855186.51	1.30E-03	2.05E-07	8.07E-08	1.60E-03	2.52E-07	9.89E-08	1.40E-03	2.21E-07	8.66E-08
43	486273.61, 3855186.51	1.25E-03	1.97E-07	7.73E-08	1.53E-03	2.41E-07	9.47E-08	1.34E-03	2.11E-07	8.29E-08
44	486323.61, 3855186.51	1.23E-03	1.94E-07	7.60E-08	1.51E-03	2.37E-07	9.32E-08	1.32E-03	2.08E-07	8.16E-08
45	485973.61, 3855236.51	1.76E-03	2.78E-07	1.09E-07	2.16E-03	3.40E-07	1.34E-07	1.89E-03	2.98E-07	1.17E-07
46	486023.61, 3855236.51	1.67E-03	2.63E-07	1.03E-07	2.05E-03	3.23E-07	1.27E-07	1.79E-03	2.83E-07	1.11E-07
47	486073.61, 3855236.51	1.58E-03	2.49E-07	9.80E-08	1.94E-03	3.05E-07	1.20E-07	1.70E-03	2.68E-07	1.05E-07
48	486123.61, 3855236.51	1.51E-03	2.38E-07	9.35E-08	1.85E-03	2.91E-07	1.15E-07	1.62E-03	2.55E-07	1.00E-07
49	486173.61, 3855236.51	1.44E-03	2.28E-07	8.94E-08	1.77E-03	2.79E-07	1.10E-07	1.55E-03	2.44E-07	9.60E-08
50	486223.61, 3855236.51	1.38E-03	2.17E-07	8.54E-08	1.69E-03	2.66E-07	1.05E-07	1.48E-03	2.34E-07	9.17E-08
51	486273.61, 3855236.51	1.30E-03	2.06E-07	8.08E-08	1.60E-03	2.52E-07	9.89E-08	1.40E-03	2.21E-07	8.67E-08
52	486323.61, 3855236.51	1.30E-03	2.05E-07	8.04E-08	1.59E-03	2.51E-07	9.85E-08	1.39E-03	2.20E-07	8.63E-08
53	485973.61, 3855286.51	1.88E-03	2.96E-07	1.16E-07	2.30E-03	3.62E-07	1.42E-07	2.02E-03	3.18E-07	1.25E-07
54	486023.61, 3855286.51	1.77E-03	2.79E-07	1.10E-07	2.17E-03	3.42E-07	1.34E-07	1.91E-03	3.00E-07	1.18E-07
55	486073.61, 3855286.51	1.68E-03	2.65E-07	1.04E-07	2.06E-03	3.25E-07	1.28E-07	1.81E-03	2.85E-07	1.12E-07
56	486123.61, 3855286.51	1.60E-03	2.52E-07	9.88E-08	1.96E-03	3.08E-07	1.21E-07	1.72E-03	2.70E-07	1.06E-07
57	486173.61, 3855286.51	1.52E-03	2.40E-07	9.41E-08	1.86E-03	2.93E-07	1.15E-07	1.63E-03	2.57E-07	1.01E-07
58	486223.61, 3855286.51	1.46E-03	2.30E-07	9.02E-08	1.79E-03	2.81E-07	1.11E-07	1.57E-03	2.47E-07	9.70E-08
59	486123.61, 3855336.51	1.69E-03	2.66E-07	1.04E-07	2.07E-03	3.25E-07	1.28E-07	1.81E-03	2.86E-07	1.12E-07
60	486173.61, 3855336.51	1.61E-03	2.54E-07	9.97E-08	1.97E-03	3.11E-07	1.22E-07	1.73E-03	2.73E-07	1.07E-07
61	486223.61, 3855336.51	1.54E-03	2.42E-07	9.52E-08	1.88E-03	2.97E-07	1.17E-07	1.65E-03	2.60E-07	1.02E-07

62	486123.61, 3855386.51	1.78E-03	2.81E-07	1.10E-07	2.19E-03	3.44E-07	1.35E-07	1.92E-03	3.02E-07	1.19E-07
63	486173.61, 3855386.51	1.70E-03	2.68E-07	1.05E-07	2.08E-03	3.28E-07	1.29E-07	1.83E-03	2.88E-07	1.13E-07
64	486223.61, 3855386.51	1.63E-03	2.56E-07	1.01E-07	1.99E-03	3.14E-07	1.23E-07	1.75E-03	2.76E-07	1.08E-07
65	486533.18, 3855443.15	1.37E-03	2.15E-07	8.45E-08	1.67E-03	2.64E-07	1.04E-07	1.47E-03	2.31E-07	9.09E-08
66	486583.18, 3855443.15	1.32E-03	2.07E-07	8.15E-08	1.61E-03	2.54E-07	9.98E-08	1.42E-03	2.23E-07	8.76E-08
67	486633.18, 3855443.15	1.27E-03	2.00E-07	7.86E-08	1.56E-03	2.45E-07	9.63E-08	1.37E-03	2.15E-07	8.45E-08
68	486683.18, 3855443.15	1.23E-03	1.94E-07	7.64E-08	1.51E-03	2.38E-07	9.36E-08	1.33E-03	2.09E-07	8.22E-08
69	486533.18, 3855493.15	1.43E-03	2.25E-07	8.85E-08	1.75E-03	2.76E-07	1.08E-07	1.54E-03	2.42E-07	9.52E-08
70	486583.18, 3855493.15	1.38E-03	2.17E-07	8.54E-08	1.69E-03	2.66E-07	1.05E-07	1.48E-03	2.34E-07	9.19E-08
71	486633.18, 3855493.15	1.33E-03	2.10E-07	8.24E-08	1.63E-03	2.57E-07	1.01E-07	1.43E-03	2.26E-07	8.86E-08
72	486683.18, 3855493.15	1.29E-03	2.03E-07	7.96E-08	1.58E-03	2.48E-07	9.75E-08	1.38E-03	2.18E-07	8.56E-08
73	486533.18, 3855543.15	1.50E-03	2.37E-07	9.29E-08	1.84E-03	2.90E-07	1.14E-07	1.62E-03	2.55E-07	1.00E-07
74	486583.18, 3855543.15	1.44E-03	2.26E-07	8.89E-08	1.76E-03	2.77E-07	1.09E-07	1.55E-03	2.44E-07	9.57E-08
75	486633.18, 3855543.15	1.39E-03	2.19E-07	8.59E-08	1.70E-03	2.68E-07	1.05E-07	1.49E-03	2.35E-07	9.25E-08
76	486683.18, 3855543.15	1.33E-03	2.10E-07	8.23E-08	1.63E-03	2.57E-07	1.01E-07	1.43E-03	2.26E-07	8.86E-08
77	486533.18, 3855593.15	1.57E-03	2.47E-07	9.72E-08	1.92E-03	3.03E-07	1.19E-07	1.69E-03	2.66E-07	1.05E-07
78	486583.18, 3855593.15	1.51E-03	2.37E-07	9.32E-08	1.84E-03	2.91E-07	1.14E-07	1.62E-03	2.55E-07	1.00E-07
79	486633.18, 3855593.15	1.45E-03	2.28E-07	8.97E-08	1.78E-03	2.80E-07	1.10E-07	1.56E-03	2.46E-07	9.66E-08
80	486683.18, 3855593.15	1.40E-03	2.21E-07	8.67E-08	1.72E-03	2.70E-07	1.06E-07	1.51E-03	2.38E-07	9.34E-08
81	486533.18, 3855643.15	1.65E-03	2.59E-07	1.02E-07	2.02E-03	3.18E-07	1.25E-07	1.77E-03	2.79E-07	1.10E-07
82	486583.18, 3855643.15	1.58E-03	2.49E-07	9.78E-08	1.94E-03	3.05E-07	1.20E-07	1.70E-03	2.68E-07	1.05E-07
83	486633.18, 3855643.15	1.52E-03	2.39E-07	9.40E-08	1.86E-03	2.93E-07	1.15E-07	1.63E-03	2.58E-07	1.01E-07
84	486683.18, 3855643.15	1.46E-03	2.30E-07	9.06E-08	1.79E-03	2.82E-07	1.11E-07	1.58E-03	2.48E-07	9.75E-08
85	486533.18, 3855693.15	1.74E-03	2.74E-07	1.07E-07	2.13E-03	3.35E-07	1.32E-07	1.87E-03	2.95E-07	1.16E-07
86	486583.18, 3855693.15	1.65E-03	2.60E-07	1.02E-07	2.02E-03	3.19E-07	1.25E-07	1.78E-03	2.80E-07	1.10E-07
87	486633.18, 3855693.15	1.57E-03	2.48E-07	9.73E-08	1.93E-03	3.03E-07	1.19E-07	1.69E-03	2.67E-07	1.05E-07
88	486683.18, 3855693.15	1.53E-03	2.41E-07	9.46E-08	1.87E-03	2.95E-07	1.16E-07	1.65E-03	2.59E-07	1.02E-07
89	486733.18, 3855693.15	1.50E-03	2.36E-07	9.27E-08	1.83E-03	2.89E-07	1.14E-07	1.61E-03	2.54E-07	9.99E-08
90	486783.18, 3855693.15	1.48E-03	2.32E-07	9.13E-08	1.81E-03	2.85E-07	1.12E-07	1.59E-03	2.50E-07	9.83E-08
91	486533.18, 3855743.15	1.82E-03	2.87E-07	1.13E-07	2.23E-03	3.52E-07	1.38E-07	1.96E-03	3.10E-07	1.22E-07
92	486583.18, 3855743.15	1.72E-03	2.71E-07	1.07E-07	2.11E-03	3.32E-07	1.31E-07	1.86E-03	2.92E-07	1.15E-07
93	486633.18, 3855743.15	1.65E-03	2.60E-07	1.02E-07	2.02E-03	3.18E-07	1.25E-07	1.78E-03	2.80E-07	1.10E-07
94	486683.18, 3855743.15	1.61E-03	2.53E-07	9.95E-08	1.97E-03	3.10E-07	1.22E-07	1.73E-03	2.73E-07	1.07E-07
95	486733.18, 3855743.15	1.56E-03	2.46E-07	9.66E-08	1.91E-03	3.01E-07	1.18E-07	1.68E-03	2.65E-07	1.04E-07
96	486783.18, 3855743.15	1.54E-03	2.43E-07	9.55E-08	1.89E-03	2.98E-07	1.17E-07	1.66E-03	2.62E-07	1.03E-07
97	486533.18, 3855793.15	1.92E-03	3.03E-07	1.19E-07	2.35E-03	3.71E-07	1.46E-07	2.07E-03	3.26E-07	1.28E-07
98	486583.18, 3855793.15	1.79E-03	2.82E-07	1.11E-07	2.19E-03	3.45E-07	1.36E-07	1.93E-03	3.04E-07	1.19E-07
99	486633.18, 3855793.15	1.74E-03	2.74E-07	1.08E-07	2.13E-03	3.36E-07	1.32E-07	1.88E-03	2.96E-07	1.16E-07
100	486683.18, 3855793.15	1.70E-03	2.68E-07	1.05E-07	2.08E-03	3.28E-07	1.29E-07	1.83E-03	2.89E-07	1.13E-07
101	486733.18, 3855793.15	1.65E-03	2.60E-07	1.02E-07	2.02E-03	3.19E-07	1.25E-07	1.78E-03	2.81E-07	1.10E-07
102	486783.18, 3855793.15	1.61E-03	2.54E-07	9.98E-08	1.98E-03	3.11E-07	1.22E-07	1.74E-03	2.74E-07	1.08E-07
103	486533.18, 3855843.15	2.01E-03	3.16E-07	1.24E-07	2.46E-03	3.87E-07	1.52E-07	2.16E-03	3.41E-07	1.34E-07
104	486583.18, 3855843.15	1.89E-03	2.97E-07	1.17E-07	2.31E-03	3.64E-07	1.43E-07	2.04E-03	3.21E-07	1.26E-07
105	486633.18, 3855843.15	1.84E-03	2.89E-07	1.14E-07	2.25E-03	3.54E-07	1.39E-07	1.98E-03	3.12E-07	1.23E-07
106	486683.18, 3855843.15	1.79E-03	2.82E-07	1.11E-07	2.19E-03	3.45E-07	1.36E-07	1.93E-03	3.04E-07	1.19E-07
107	486733.18, 3855843.15	1.74E-03	2.75E-07	1.08E-07	2.14E-03	3.36E-07	1.32E-07	1.88E-03	2.96E-07	1.16E-07
108	486783.18, 3855843.15	1.70E-03	2.67E-07	1.05E-07	2.08E-03	3.28E-07	1.29E-07	1.83E-03	2.88E-07	1.13E-07
109	486533.18, 3855893.15	2.07E-03	3.26E-07	1.28E-07	2.54E-03	4.00E-07	1.57E-07	2.23E-03	3.52E-07	1.38E-07
110	486583.18, 3855893.15	2.00E-03	3.16E-07	1.24E-07	2.45E-03	3.87E-07	1.52E-07	2.16E-03	3.40E-07	1.34E-07
111	486633.18, 3855893.15	1.94E-03	3.05E-07	1.20E-07	2.38E-03	3.74E-07	1.47E-07	2.09E-03	3.29E-07	1.29E-07
112	486683.18, 3855893.15	1.89E-03	2.97E-07	1.17E-07	2.31E-03	3.64E-07	1.43E-07	2.03E-03	3.20E-07	1.26E-07
113	486733.18, 3855893.15	1.84E-03	2.89E-07	1.14E-07	2.25E-03	3.54E-07	1.39E-07	1.98E-03	3.12E-07	1.22E-07
114	486783.18, 3855893.15	1.79E-03	2.82E-07	1.11E-07	2.20E-03	3.46E-07	1.36E-07	1.93E-03	3.04E-07	1.20E-07
115	486533.18, 3855943.15	2.19E-03	3.44E-07	1.35E-07	2.68E-03	4.22E-07	1.66E-07	2.36E-03	3.71E-07	1.46E-07
116	486583.18, 3855943.15	2.13E-03	3.36E-07	1.32E-07	2.61E-03	4.11E-07	1.62E-07	2.30E-03	3.62E-07	1.42E-07
117	486633.18, 3855943.15	2.05E-03	3.23E-07	1.27E-07	2.51E-03	3.96E-07	1.56E-07	2.21E-03	3.49E-07	1.37E-07
118	486683.18, 3855943.15	2.00E-03	3.15E-07	1.24E-07	2.45E-03	3.86E-07	1.52E-07	2.16E-03	3.40E-07	1.33E-07
119	486733.18, 3855943.15	1.94E-03	3.05E-07	1.20E-07	2.37E-03	3.74E-07	1.47E-07	2.09E-03	3.29E-07	1.29E-07
120	486783.18, 3855943.15	1.89E-03	2.98E-07	1.17E-07	2.32E-03	3.65E-07	1.43E-07	2.04E-03	3.21E-07	1.26E-07
121	486533.18, 3855993.15	2.33E-03	3.68E-07	1.44E-07	2.86E-03	4.50E-07	1.77E-07	2.52E-03	3.97E-07	1.56E-07
122	486583.18, 3855993.15	2.26E-03	3.55E-07	1.40E-07	2.76E-03	4.35E-07	1.71E-07	2.43E-03	3.83E-07	1.51E-07
123	486633.18, 3855993.15	2.18E-03	3.43E-07	1.35E-07	2.67E-03	4.20E-07	1.65E-07	2.35E-03	3.70E-07	1.45E-07
124	486683.18, 3855993.15	2.12E-03	3.34E-07	1.31E-07	2.59E-03	4.09E-07	1.60E-07	2.28E-03	3.60E-07	1.41E-07
125	486733.18, 3855993.15	2.05E-03	3.23E-07	1.27E-07	2.51E-03	3.96E-07	1.55E-07	2.21E-03	3.48E-07	1.37E-07
126	486783.18, 3855993.15	1.99E-03	3.14E-07	1.23E-07	2.44E-03	3.84E-07	1.51E-07	2.15E-03	3.38E-07	1.33E-07

127	486533.18, 3856043.15	2.49E-03	3.93E-07	1.54E-07	3.05E-03	4.81E-07	1.89E-07	2.69E-03	4.24E-07	1.66E-07
128	486583.18, 3856043.15	2.41E-03	3.80E-07	1.49E-07	2.95E-03	4.65E-07	1.83E-07	2.60E-03	4.10E-07	1.61E-07
129	486633.18, 3856043.15	2.32E-03	3.65E-07	1.44E-07	2.84E-03	4.47E-07	1.76E-07	2.50E-03	3.94E-07	1.55E-07
130	486683.18, 3856043.15	2.25E-03	3.55E-07	1.39E-07	2.76E-03	4.34E-07	1.71E-07	2.43E-03	3.83E-07	1.50E-07
131	486733.18, 3856043.15	2.17E-03	3.42E-07	1.34E-07	2.66E-03	4.19E-07	1.65E-07	2.34E-03	3.69E-07	1.45E-07
132	486783.18, 3856043.15	2.12E-03	3.33E-07	1.31E-07	2.59E-03	4.08E-07	1.60E-07	2.28E-03	3.59E-07	1.41E-07
133	486533.18, 3856093.15	2.69E-03	4.25E-07	1.67E-07	3.30E-03	5.20E-07	2.04E-07	2.91E-03	4.58E-07	1.80E-07
134	486583.18, 3856093.15	2.59E-03	4.07E-07	1.60E-07	3.17E-03	4.99E-07	1.96E-07	2.79E-03	4.39E-07	1.73E-07
135	486633.18, 3856093.15	2.48E-03	3.91E-07	1.54E-07	3.04E-03	4.79E-07	1.88E-07	2.68E-03	4.22E-07	1.66E-07
136	486683.18, 3856093.15	2.40E-03	3.78E-07	1.49E-07	2.94E-03	4.63E-07	1.82E-07	2.59E-03	4.08E-07	1.60E-07
137	486733.18, 3856093.15	2.31E-03	3.65E-07	1.43E-07	2.84E-03	4.47E-07	1.75E-07	2.50E-03	3.93E-07	1.54E-07
138	486783.18, 3856093.15	2.24E-03	3.53E-07	1.39E-07	2.75E-03	4.33E-07	1.70E-07	2.42E-03	3.81E-07	1.50E-07
139	486533.18, 3856143.15	2.92E-03	4.60E-07	1.81E-07	3.58E-03	5.63E-07	2.21E-07	3.15E-03	4.96E-07	1.95E-07
140	486583.18, 3856143.15	2.78E-03	4.38E-07	1.72E-07	3.40E-03	5.36E-07	2.11E-07	3.00E-03	4.72E-07	1.86E-07
141	486633.18, 3856143.15	2.67E-03	4.21E-07	1.65E-07	3.27E-03	5.15E-07	2.02E-07	2.88E-03	4.54E-07	1.78E-07
142	486683.18, 3856143.15	2.57E-03	4.04E-07	1.59E-07	3.14E-03	4.95E-07	1.95E-07	2.77E-03	4.36E-07	1.71E-07
143	486733.18, 3856143.15	2.47E-03	3.89E-07	1.53E-07	3.03E-03	4.77E-07	1.87E-07	2.67E-03	4.20E-07	1.65E-07
144	486783.18, 3856143.15	2.40E-03	3.78E-07	1.48E-07	2.94E-03	4.63E-07	1.82E-07	2.59E-03	4.08E-07	1.60E-07
145	486533.18, 3856193.15	3.21E-03	5.05E-07	1.98E-07	3.93E-03	6.19E-07	2.43E-07	3.46E-03	5.45E-07	2.14E-07
146	486583.18, 3856193.15	3.02E-03	4.76E-07	1.87E-07	3.70E-03	5.83E-07	2.29E-07	3.26E-03	5.13E-07	2.02E-07
147	486633.18, 3856193.15	2.89E-03	4.55E-07	1.79E-07	3.54E-03	5.57E-07	2.19E-07	3.11E-03	4.91E-07	1.93E-07
148	486683.18, 3856193.15	2.78E-03	4.37E-07	1.72E-07	3.40E-03	5.36E-07	2.10E-07	2.99E-03	4.72E-07	1.85E-07
149	486733.18, 3856193.15	2.65E-03	4.18E-07	1.64E-07	3.25E-03	5.12E-07	2.01E-07	2.86E-03	4.51E-07	1.77E-07
150	486783.18, 3856193.15	2.56E-03	4.04E-07	1.59E-07	3.14E-03	4.95E-07	1.94E-07	2.77E-03	4.36E-07	1.71E-07
151	486533.18, 3856243.15	3.54E-03	5.57E-07	2.19E-07	4.33E-03	6.83E-07	2.68E-07	3.82E-03	6.01E-07	2.36E-07
152	486583.18, 3856243.15	3.33E-03	5.24E-07	2.06E-07	4.07E-03	6.42E-07	2.52E-07	3.59E-03	5.65E-07	2.22E-07
153	486633.18, 3856243.15	3.14E-03	4.95E-07	1.95E-07	3.85E-03	6.07E-07	2.38E-07	3.39E-03	5.35E-07	2.10E-07
154	486683.18, 3856243.15	2.99E-03	4.72E-07	1.85E-07	3.67E-03	5.78E-07	2.27E-07	3.23E-03	5.09E-07	2.00E-07
155	486733.18, 3856243.15	2.87E-03	4.51E-07	1.77E-07	3.51E-03	5.53E-07	2.17E-07	3.09E-03	4.87E-07	1.91E-07
156	486783.18, 3856243.15	2.74E-03	4.32E-07	1.70E-07	3.36E-03	5.29E-07	2.08E-07	2.96E-03	4.66E-07	1.83E-07
157	486533.18, 3856293.15	3.95E-03	6.23E-07	2.45E-07	4.84E-03	7.63E-07	3.00E-07	4.27E-03	6.72E-07	2.64E-07
158	486583.18, 3856293.15	3.67E-03	5.78E-07	2.27E-07	4.50E-03	7.08E-07	2.78E-07	3.96E-03	6.24E-07	2.45E-07
159	486633.18, 3856293.15	3.44E-03	5.43E-07	2.13E-07	4.22E-03	6.65E-07	2.61E-07	3.72E-03	5.86E-07	2.30E-07
160	486683.18, 3856293.15	3.25E-03	5.13E-07	2.01E-07	3.99E-03	6.28E-07	2.47E-07	3.51E-03	5.53E-07	2.17E-07
161	486733.18, 3856293.15	3.10E-03	4.88E-07	1.92E-07	3.79E-03	5.98E-07	2.35E-07	3.34E-03	5.26E-07	2.07E-07
162	486783.18, 3856293.15	2.95E-03	4.64E-07	1.82E-07	3.61E-03	5.68E-07	2.23E-07	3.18E-03	5.01E-07	1.97E-07
163	486783.18, 3856343.15	3.19E-03	5.02E-07	1.97E-07	3.90E-03	6.15E-07	2.42E-07	3.44E-03	5.42E-07	2.13E-07
164	486833.18, 3856343.15	3.03E-03	4.77E-07	1.87E-07	3.71E-03	5.84E-07	2.29E-07	3.26E-03	5.14E-07	2.02E-07
165	486883.18, 3856343.15	2.88E-03	4.54E-07	1.79E-07	3.53E-03	5.57E-07	2.19E-07	3.11E-03	4.90E-07	1.93E-07
166	486783.18, 3856393.15	3.44E-03	5.43E-07	2.13E-07	4.22E-03	6.65E-07	2.61E-07	3.72E-03	5.85E-07	2.30E-07
167	486833.18, 3856393.15	3.25E-03	5.12E-07	2.01E-07	3.98E-03	6.28E-07	2.47E-07	3.51E-03	5.53E-07	2.17E-07
168	486883.18, 3856393.15	3.08E-03	4.85E-07	1.91E-07	3.77E-03	5.94E-07	2.33E-07	3.32E-03	5.23E-07	2.06E-07
169	487208.74, 3856886.11	4.15E-03	6.53E-07	2.57E-07	5.08E-03	8.00E-07	3.14E-07	4.47E-03	7.04E-07	2.77E-07
170	487258.74, 3856886.11	3.79E-03	5.97E-07	2.35E-07	4.65E-03	7.32E-07	2.87E-07	4.09E-03	6.44E-07	2.53E-07
171	487308.74, 3856886.11	3.49E-03	5.51E-07	2.16E-07	4.28E-03	6.74E-07	2.65E-07	3.77E-03	5.93E-07	2.33E-07
172	487358.74, 3856886.11	3.25E-03	5.11E-07	2.01E-07	3.98E-03	6.26E-07	2.46E-07	3.50E-03	5.51E-07	2.16E-07
173	487208.74, 3856936.11	4.42E-03	6.96E-07	2.73E-07	5.41E-03	8.52E-07	3.35E-07	4.76E-03	7.50E-07	2.95E-07
174	487258.74, 3856936.11	3.97E-03	6.25E-07	2.45E-07	4.86E-03	7.65E-07	3.01E-07	4.27E-03	6.73E-07	2.64E-07
175	487308.74, 3856936.11	3.61E-03	5.69E-07	2.23E-07	4.42E-03	6.97E-07	2.74E-07	3.89E-03	6.12E-07	2.41E-07
176	487358.74, 3856936.11	3.33E-03	5.25E-07	2.06E-07	4.08E-03	6.42E-07	2.52E-07	3.58E-03	5.64E-07	2.22E-07
177	487208.74, 3856986.11	4.44E-03	6.99E-07	2.75E-07	5.44E-03	8.56E-07	3.36E-07	4.78E-03	7.52E-07	2.96E-07
178	487258.74, 3856986.11	3.97E-03	6.26E-07	2.46E-07	4.86E-03	7.66E-07	3.01E-07	4.27E-03	6.73E-07	2.64E-07
179	487308.74, 3856986.11	3.63E-03	5.72E-07	2.25E-07	4.45E-03	7.00E-07	2.75E-07	3.90E-03	6.15E-07	2.41E-07
180	487358.74, 3856986.11	3.35E-03	5.28E-07	2.07E-07	4.10E-03	6.46E-07	2.54E-07	3.60E-03	5.67E-07	2.23E-07
181	487208.74, 3857036.11	4.25E-03	6.69E-07	2.63E-07	5.20E-03	8.20E-07	3.22E-07	4.56E-03	7.18E-07	2.82E-07
182	487258.74, 3857036.11	3.89E-03	6.14E-07	2.41E-07	4.77E-03	7.51E-07	2.95E-07	4.17E-03	6.57E-07	2.58E-07
183	487308.74, 3857036.11	3.60E-03	5.67E-07	2.23E-07	4.40E-03	6.94E-07	2.73E-07	3.85E-03	6.07E-07	2.38E-07
184	487358.74, 3857036.11	3.35E-03	5.28E-07	2.07E-07	4.10E-03	6.46E-07	2.54E-07	3.59E-03	5.65E-07	2.22E-07
185	487427.14, 3856878.23	2.94E-03	4.64E-07	1.82E-07	3.61E-03	5.68E-07	2.23E-07	3.17E-03	4.99E-07	1.96E-07
186	487477.14, 3856878.23	2.77E-03	4.37E-07	1.72E-07	3.39E-03	5.35E-07	2.10E-07	2.98E-03	4.70E-07	1.85E-07
187	487527.14, 3856878.23	2.62E-03	4.13E-07	1.62E-07	3.21E-03	5.06E-07	1.99E-07	2.82E-03	4.44E-07	1.75E-07
188	487427.14, 3856928.23	3.01E-03	4.74E-07	1.86E-07	3.69E-03	5.81E-07	2.28E-07	3.24E-03	5.10E-07	2.00E-07
189	487477.14, 3856928.23	2.83E-03	4.46E-07	1.75E-07	3.47E-03	5.46E-07	2.15E-07	3.04E-03	4.80E-07	1.88E-07
190	487527.14, 3856928.23	2.67E-03	4.21E-07	1.65E-07	3.27E-03	5.16E-07	2.03E-07	2.87E-03	4.52E-07	1.78E-07
191	487577.14, 3856928.23	2.53E-03	3.99E-07	1.57E-07	3.10E-03	4.89E-07	1.92E-07	2.72E-03	4.29E-07	1.68E-07

192	487627.14, 3856928.23	2.42E-03	3.80E-07	1.49E-07	2.96E-03	4.66E-07	1.83E-07	2.59E-03	4.08E-07	1.60E-07
193	487677.14, 3856928.23	2.31E-03	3.63E-07	1.43E-07	2.82E-03	4.45E-07	1.75E-07	2.47E-03	3.90E-07	1.53E-07
194	487727.14, 3856928.23	2.21E-03	3.47E-07	1.36E-07	2.70E-03	4.25E-07	1.67E-07	2.37E-03	3.73E-07	1.46E-07
195	487777.14, 3856928.23	2.12E-03	3.33E-07	1.31E-07	2.59E-03	4.08E-07	1.60E-07	2.27E-03	3.58E-07	1.40E-07
196	487427.14, 3856978.23	3.05E-03	4.80E-07	1.89E-07	3.73E-03	5.88E-07	2.31E-07	3.27E-03	5.15E-07	2.02E-07
197	487477.14, 3856978.23	2.87E-03	4.51E-07	1.77E-07	3.51E-03	5.53E-07	2.17E-07	3.07E-03	4.84E-07	1.90E-07
198	487527.14, 3856978.23	2.71E-03	4.27E-07	1.68E-07	3.32E-03	5.22E-07	2.05E-07	2.90E-03	4.57E-07	1.80E-07
199	487577.14, 3856978.23	2.57E-03	4.05E-07	1.59E-07	3.15E-03	4.96E-07	1.95E-07	2.76E-03	4.34E-07	1.71E-07
200	487627.14, 3856978.23	2.45E-03	3.86E-07	1.52E-07	3.00E-03	4.73E-07	1.86E-07	2.63E-03	4.14E-07	1.63E-07
201	487677.14, 3856978.23	2.34E-03	3.69E-07	1.45E-07	2.86E-03	4.51E-07	1.77E-07	2.51E-03	3.95E-07	1.55E-07
202	487727.14, 3856978.23	2.25E-03	3.54E-07	1.39E-07	2.75E-03	4.33E-07	1.70E-07	2.40E-03	3.79E-07	1.49E-07
203	487777.14, 3856978.23	2.15E-03	3.38E-07	1.33E-07	2.63E-03	4.14E-07	1.63E-07	2.30E-03	3.62E-07	1.42E-07
204	487427.14, 3857028.23	3.07E-03	4.83E-07	1.90E-07	3.76E-03	5.92E-07	2.32E-07	3.28E-03	5.17E-07	2.03E-07
205	487477.14, 3857028.23	2.89E-03	4.56E-07	1.79E-07	3.54E-03	5.58E-07	2.19E-07	3.10E-03	4.88E-07	1.92E-07
206	487527.14, 3857028.23	2.74E-03	4.32E-07	1.70E-07	3.36E-03	5.29E-07	2.08E-07	2.93E-03	4.62E-07	1.82E-07
207	487577.14, 3857028.23	2.61E-03	4.11E-07	1.61E-07	3.19E-03	5.03E-07	1.98E-07	2.79E-03	4.39E-07	1.72E-07
208	487627.14, 3857028.23	2.49E-03	3.92E-07	1.54E-07	3.05E-03	4.80E-07	1.89E-07	2.66E-03	4.19E-07	1.65E-07
209	487677.14, 3857028.23	2.38E-03	3.75E-07	1.47E-07	2.91E-03	4.59E-07	1.80E-07	2.54E-03	4.00E-07	1.57E-07
210	487727.14, 3857028.23	2.27E-03	3.58E-07	1.41E-07	2.78E-03	4.39E-07	1.72E-07	2.43E-03	3.83E-07	1.50E-07
211	487777.14, 3857028.23	2.18E-03	3.44E-07	1.35E-07	2.67E-03	4.21E-07	1.65E-07	2.33E-03	3.67E-07	1.44E-07
212	487427.14, 3857078.23	3.12E-03	4.91E-07	1.93E-07	3.82E-03	6.02E-07	2.36E-07	3.32E-03	5.24E-07	2.06E-07
213	487477.14, 3857078.23	2.95E-03	4.65E-07	1.83E-07	3.61E-03	5.69E-07	2.24E-07	3.14E-03	4.95E-07	1.95E-07
214	487527.14, 3857078.23	2.80E-03	4.41E-07	1.73E-07	3.42E-03	5.40E-07	2.12E-07	2.98E-03	4.69E-07	1.84E-07
215	487577.14, 3857078.23	2.66E-03	4.19E-07	1.65E-07	3.26E-03	5.13E-07	2.02E-07	2.83E-03	4.47E-07	1.75E-07
216	487627.14, 3857078.23	2.54E-03	4.00E-07	1.57E-07	3.11E-03	4.90E-07	1.92E-07	2.71E-03	4.26E-07	1.67E-07
217	487677.14, 3857078.23	2.43E-03	3.82E-07	1.50E-07	2.97E-03	4.68E-07	1.84E-07	2.58E-03	4.07E-07	1.60E-07
218	487727.14, 3857078.23	2.32E-03	3.66E-07	1.44E-07	2.84E-03	4.48E-07	1.76E-07	2.47E-03	3.89E-07	1.53E-07
219	487777.14, 3857078.23	2.23E-03	3.51E-07	1.38E-07	2.73E-03	4.30E-07	1.69E-07	2.37E-03	3.74E-07	1.47E-07
220	487427.14, 3857128.23	3.23E-03	5.09E-07	2.00E-07	3.96E-03	6.24E-07	2.45E-07	3.43E-03	5.40E-07	2.12E-07
221	487477.14, 3857128.23	3.05E-03	4.81E-07	1.89E-07	3.74E-03	5.89E-07	2.31E-07	3.24E-03	5.10E-07	2.00E-07
222	487527.14, 3857128.23	2.89E-03	4.55E-07	1.79E-07	3.54E-03	5.58E-07	2.19E-07	3.07E-03	4.83E-07	1.90E-07
223	487577.14, 3857128.23	2.74E-03	4.32E-07	1.70E-07	3.36E-03	5.29E-07	2.08E-07	2.91E-03	4.59E-07	1.80E-07
224	487627.14, 3857128.23	2.61E-03	4.11E-07	1.62E-07	3.20E-03	5.04E-07	1.98E-07	2.77E-03	4.37E-07	1.72E-07
225	487677.14, 3857128.23	2.49E-03	3.93E-07	1.54E-07	3.05E-03	4.81E-07	1.89E-07	2.65E-03	4.17E-07	1.64E-07
226	487727.14, 3857128.23	2.38E-03	3.75E-07	1.47E-07	2.91E-03	4.59E-07	1.80E-07	2.53E-03	3.98E-07	1.56E-07
227	487777.14, 3857128.23	2.28E-03	3.59E-07	1.41E-07	2.79E-03	4.40E-07	1.73E-07	2.42E-03	3.82E-07	1.50E-07
228	488049.44, 3856539.39	1.51E-03	2.38E-07	9.36E-08	1.85E-03	2.92E-07	1.15E-07	1.63E-03	2.56E-07	1.01E-07
229	488099.44, 3856539.39	1.47E-03	2.32E-07	9.12E-08	1.80E-03	2.84E-07	1.12E-07	1.59E-03	2.50E-07	9.82E-08
230	488149.44, 3856539.39	1.44E-03	2.26E-07	8.89E-08	1.76E-03	2.77E-07	1.09E-07	1.55E-03	2.44E-07	9.57E-08
231	488049.44, 3856589.39	1.55E-03	2.43E-07	9.56E-08	1.89E-03	2.98E-07	1.17E-07	1.66E-03	2.62E-07	1.03E-07
232	488099.44, 3856589.39	1.50E-03	2.37E-07	9.31E-08	1.84E-03	2.90E-07	1.14E-07	1.62E-03	2.55E-07	1.00E-07
233	488149.44, 3856589.39	1.47E-03	2.31E-07	9.07E-08	1.79E-03	2.83E-07	1.11E-07	1.58E-03	2.48E-07	9.76E-08
234	488199.44, 3856589.39	1.43E-03	2.25E-07	8.84E-08	1.75E-03	2.76E-07	1.08E-07	1.54E-03	2.42E-07	9.51E-08
235	488249.44, 3856589.39	1.39E-03	2.19E-07	8.61E-08	1.70E-03	2.69E-07	1.05E-07	1.50E-03	2.36E-07	9.27E-08
236	488049.44, 3856639.39	1.58E-03	2.49E-07	9.77E-08	1.93E-03	3.04E-07	1.20E-07	1.70E-03	2.68E-07	1.05E-07
237	488099.44, 3856639.39	1.54E-03	2.42E-07	9.50E-08	1.88E-03	2.96E-07	1.16E-07	1.65E-03	2.60E-07	1.02E-07
238	488149.44, 3856639.39	1.49E-03	2.35E-07	9.25E-08	1.83E-03	2.88E-07	1.13E-07	1.61E-03	2.53E-07	9.95E-08
239	488199.44, 3856639.39	1.45E-03	2.29E-07	9.00E-08	1.78E-03	2.81E-07	1.10E-07	1.56E-03	2.46E-07	9.68E-08
240	488249.44, 3856639.39	1.42E-03	2.23E-07	8.77E-08	1.74E-03	2.73E-07	1.07E-07	1.52E-03	2.40E-07	9.43E-08
241	488299.44, 3856639.39	1.38E-03	2.18E-07	8.55E-08	1.69E-03	2.67E-07	1.05E-07	1.49E-03	2.34E-07	9.19E-08
242	488349.44, 3856639.39	1.35E-03	2.12E-07	8.34E-08	1.65E-03	2.60E-07	1.02E-07	1.45E-03	2.28E-07	8.97E-08
243	488399.44, 3856639.39	1.32E-03	2.07E-07	8.14E-08	1.61E-03	2.54E-07	9.97E-08	1.41E-03	2.23E-07	8.75E-08
244	488099.44, 3856689.39	1.56E-03	2.46E-07	9.68E-08	1.92E-03	3.02E-07	1.19E-07	1.68E-03	2.65E-07	1.04E-07
245	488149.44, 3856689.39	1.52E-03	2.40E-07	9.42E-08	1.86E-03	2.94E-07	1.15E-07	1.64E-03	2.58E-07	1.01E-07
246	488199.44, 3856689.39	1.48E-03	2.33E-07	9.16E-08	1.81E-03	2.86E-07	1.12E-07	1.59E-03	2.51E-07	9.85E-08
247	488249.44, 3856689.39	1.44E-03	2.27E-07	8.92E-08	1.77E-03	2.78E-07	1.09E-07	1.55E-03	2.44E-07	9.59E-08
248	488299.44, 3856689.39	1.40E-03	2.21E-07	8.69E-08	1.72E-03	2.71E-07	1.06E-07	1.51E-03	2.38E-07	9.34E-08
249	488349.44, 3856689.39	1.37E-03	2.16E-07	8.47E-08	1.68E-03	2.64E-07	1.04E-07	1.47E-03	2.32E-07	9.11E-08
250	488399.44, 3856689.39	1.34E-03	2.11E-07	8.28E-08	1.64E-03	2.58E-07	1.01E-07	1.44E-03	2.26E-07	8.89E-08
251	488099.44, 3856739.39	1.59E-03	2.51E-07	9.85E-08	1.95E-03	3.07E-07	1.21E-07	1.71E-03	2.69E-07	1.06E-07
252	488149.44, 3856739.39	1.55E-03	2.44E-07	9.58E-08	1.90E-03	2.99E-07	1.17E-07	1.66E-03	2.62E-07	1.03E-07
253	488199.44, 3856739.39	1.50E-03	2.37E-07	9.31E-08	1.84E-03	2.90E-07	1.14E-07	1.62E-03	2.55E-07	1.00E-07
254	488249.44, 3856739.39	1.46E-03	2.31E-07	9.06E-08	1.79E-03	2.83E-07	1.11E-07	1.57E-03	2.48E-07	9.74E-08
255	488299.44, 3856739.39	1.43E-03	2.25E-07	8.84E-08	1.75E-03	2.75E-07	1.08E-07	1.53E-03	2.42E-07	9.49E-08
256	488349.44, 3856739.39	1.39E-03	2.19E-07	8.60E-08	1.70E-03	2.68E-07	1.05E-07	1.49E-03	2.35E-07	9.24E-08

257	488399.44, 3856739.39	1.35E-03	2.13E-07	8.38E-08	1.66E-03	2.61E-07	1.03E-07	1.45E-03	2.29E-07	8.99E-08
258	487999.44, 3856789.39	1.72E-03	2.71E-07	1.07E-07	2.11E-03	3.32E-07	1.31E-07	1.85E-03	2.92E-07	1.15E-07
259	488049.44, 3856789.39	1.67E-03	2.63E-07	1.03E-07	2.04E-03	3.22E-07	1.27E-07	1.79E-03	2.83E-07	1.11E-07
260	488099.44, 3856789.39	1.62E-03	2.55E-07	1.00E-07	1.98E-03	3.12E-07	1.23E-07	1.74E-03	2.74E-07	1.08E-07
261	488149.44, 3856789.39	1.57E-03	2.48E-07	9.73E-08	1.93E-03	3.03E-07	1.19E-07	1.69E-03	2.66E-07	1.04E-07
262	488199.44, 3856789.39	1.53E-03	2.41E-07	9.45E-08	1.87E-03	2.95E-07	1.16E-07	1.64E-03	2.58E-07	1.01E-07
263	488249.44, 3856789.39	1.49E-03	2.34E-07	9.20E-08	1.82E-03	2.87E-07	1.13E-07	1.60E-03	2.51E-07	9.87E-08
264	488299.44, 3856789.39	1.45E-03	2.28E-07	8.96E-08	1.77E-03	2.79E-07	1.10E-07	1.55E-03	2.45E-07	9.62E-08
265	488349.44, 3856789.39	1.41E-03	2.22E-07	8.72E-08	1.72E-03	2.72E-07	1.07E-07	1.51E-03	2.38E-07	9.35E-08
266	488399.44, 3856789.39	1.37E-03	2.16E-07	8.49E-08	1.68E-03	2.65E-07	1.04E-07	1.47E-03	2.32E-07	9.11E-08
267	487949.44, 3856839.39	1.81E-03	2.85E-07	1.12E-07	2.22E-03	3.49E-07	1.37E-07	1.94E-03	3.06E-07	1.20E-07
268	487999.44, 3856839.39	1.75E-03	2.76E-07	1.08E-07	2.15E-03	3.38E-07	1.33E-07	1.88E-03	2.96E-07	1.16E-07
269	488049.44, 3856839.39	1.70E-03	2.67E-07	1.05E-07	2.08E-03	3.27E-07	1.29E-07	1.82E-03	2.87E-07	1.13E-07
270	488099.44, 3856839.39	1.64E-03	2.59E-07	1.02E-07	2.01E-03	3.17E-07	1.25E-07	1.76E-03	2.78E-07	1.09E-07
271	488149.44, 3856839.39	1.59E-03	2.51E-07	9.87E-08	1.95E-03	3.08E-07	1.21E-07	1.71E-03	2.70E-07	1.06E-07
272	488199.44, 3856839.39	1.55E-03	2.44E-07	9.59E-08	1.90E-03	2.99E-07	1.17E-07	1.66E-03	2.62E-07	1.03E-07
273	487949.44, 3856889.39	1.84E-03	2.90E-07	1.14E-07	2.25E-03	3.55E-07	1.40E-07	1.97E-03	3.11E-07	1.22E-07
274	487999.44, 3856889.39	1.78E-03	2.80E-07	1.10E-07	2.18E-03	3.43E-07	1.35E-07	1.91E-03	3.00E-07	1.18E-07
275	488049.44, 3856889.39	1.72E-03	2.71E-07	1.07E-07	2.11E-03	3.32E-07	1.31E-07	1.85E-03	2.91E-07	1.14E-07
276	488099.44, 3856889.39	1.67E-03	2.63E-07	1.03E-07	2.04E-03	3.22E-07	1.26E-07	1.79E-03	2.82E-07	1.11E-07
277	488635.86, 3857895.05	1.15E-03	1.82E-07	7.13E-08	1.41E-03	2.22E-07	8.73E-08	1.24E-03	1.95E-07	7.65E-08
278	489137.64, 3857804.15	9.17E-04	1.44E-07	5.68E-08	1.12E-03	1.77E-07	6.95E-08	9.83E-04	1.55E-07	6.08E-08
279	488617.32, 3857859.41	1.19E-03	1.87E-07	7.36E-08	1.46E-03	2.29E-07	9.01E-08	1.27E-03	2.01E-07	7.89E-08
280	488667.32, 3857859.41	1.15E-03	1.81E-07	7.13E-08	1.41E-03	2.22E-07	8.73E-08	1.23E-03	1.94E-07	7.64E-08
281	488717.32, 3857859.41	1.12E-03	1.76E-07	6.91E-08	1.37E-03	2.15E-07	8.46E-08	1.20E-03	1.89E-07	7.41E-08
282	488767.32, 3857859.41	1.08E-03	1.71E-07	6.70E-08	1.33E-03	2.09E-07	8.21E-08	1.16E-03	1.83E-07	7.18E-08
283	488617.32, 3857909.41	1.16E-03	1.82E-07	7.16E-08	1.42E-03	2.23E-07	8.77E-08	1.24E-03	1.96E-07	7.69E-08
284	488667.32, 3857909.41	1.12E-03	1.77E-07	6.94E-08	1.37E-03	2.16E-07	8.49E-08	1.20E-03	1.89E-07	7.44E-08
285	488717.32, 3857909.41	1.09E-03	1.72E-07	6.74E-08	1.33E-03	2.10E-07	8.25E-08	1.17E-03	1.84E-07	7.23E-08
286	488767.32, 3857909.41	1.06E-03	1.67E-07	6.54E-08	1.29E-03	2.04E-07	8.01E-08	1.13E-03	1.79E-07	7.02E-08
287	488417.32, 3857959.41	1.30E-03	2.04E-07	8.03E-08	1.59E-03	2.50E-07	9.83E-08	1.39E-03	2.19E-07	8.62E-08
288	488467.32, 3857959.41	1.25E-03	1.97E-07	7.74E-08	1.53E-03	2.41E-07	9.47E-08	1.34E-03	2.11E-07	8.31E-08
289	488517.32, 3857959.41	1.21E-03	1.90E-07	7.47E-08	1.48E-03	2.33E-07	9.14E-08	1.30E-03	2.04E-07	8.02E-08
290	488567.32, 3857959.41	1.17E-03	1.84E-07	7.22E-08	1.43E-03	2.25E-07	8.84E-08	1.25E-03	1.97E-07	7.75E-08
291	488617.32, 3857959.41	1.13E-03	1.78E-07	6.99E-08	1.38E-03	2.18E-07	8.56E-08	1.21E-03	1.91E-07	7.51E-08
292	488667.32, 3857959.41	1.10E-03	1.73E-07	6.78E-08	1.34E-03	2.11E-07	8.31E-08	1.18E-03	1.85E-07	7.28E-08
293	488717.32, 3857959.41	1.06E-03	1.68E-07	6.59E-08	1.30E-03	2.05E-07	8.07E-08	1.14E-03	1.80E-07	7.07E-08
294	488767.32, 3857959.41	1.03E-03	1.63E-07	6.40E-08	1.27E-03	2.00E-07	7.84E-08	1.11E-03	1.75E-07	6.87E-08
295	488417.32, 3858009.41	1.27E-03	2.00E-07	7.86E-08	1.55E-03	2.45E-07	9.62E-08	1.36E-03	2.15E-07	8.44E-08
296	488467.32, 3858009.41	1.22E-03	1.93E-07	7.58E-08	1.50E-03	2.36E-07	9.28E-08	1.31E-03	2.07E-07	8.14E-08
297	488517.32, 3858009.41	1.18E-03	1.86E-07	7.32E-08	1.45E-03	2.28E-07	8.96E-08	1.27E-03	2.00E-07	7.86E-08
298	488567.32, 3858009.41	1.15E-03	1.80E-07	7.09E-08	1.40E-03	2.21E-07	8.68E-08	1.23E-03	1.94E-07	7.61E-08
299	488617.32, 3858009.41	1.11E-03	1.75E-07	6.87E-08	1.36E-03	2.14E-07	8.41E-08	1.19E-03	1.88E-07	7.37E-08
300	488667.32, 3858009.41	1.08E-03	1.70E-07	6.66E-08	1.32E-03	2.08E-07	8.15E-08	1.16E-03	1.82E-07	7.15E-08
301	488717.32, 3858009.41	1.05E-03	1.65E-07	6.47E-08	1.28E-03	2.02E-07	7.92E-08	1.12E-03	1.77E-07	6.95E-08
302	488767.32, 3858009.41	1.02E-03	1.60E-07	6.29E-08	1.24E-03	1.96E-07	7.71E-08	1.09E-03	1.72E-07	6.76E-08
303	488417.32, 3858059.41	1.26E-03	1.98E-07	7.78E-08	1.54E-03	2.42E-07	9.52E-08	1.35E-03	2.13E-07	8.36E-08
304	488467.32, 3858059.41	1.21E-03	1.91E-07	7.50E-08	1.48E-03	2.34E-07	9.18E-08	1.30E-03	2.05E-07	8.06E-08
305	488517.32, 3858059.41	1.17E-03	1.84E-07	7.24E-08	1.43E-03	2.26E-07	8.87E-08	1.26E-03	1.98E-07	7.79E-08
306	488567.32, 3858059.41	1.13E-03	1.78E-07	7.01E-08	1.39E-03	2.19E-07	8.58E-08	1.22E-03	1.92E-07	7.53E-08
307	488617.32, 3858059.41	1.10E-03	1.73E-07	6.79E-08	1.34E-03	2.12E-07	8.31E-08	1.18E-03	1.86E-07	7.29E-08
308	488667.32, 3858059.41	1.06E-03	1.68E-07	6.58E-08	1.30E-03	2.05E-07	8.06E-08	1.14E-03	1.80E-07	7.07E-08
309	488417.32, 3858109.41	1.26E-03	1.98E-07	7.78E-08	1.54E-03	2.43E-07	9.53E-08	1.35E-03	2.13E-07	8.37E-08
310	488467.32, 3858109.41	1.21E-03	1.91E-07	7.50E-08	1.48E-03	2.34E-07	9.19E-08	1.30E-03	2.05E-07	8.07E-08
311	488517.32, 3858109.41	1.17E-03	1.84E-07	7.25E-08	1.43E-03	2.26E-07	8.87E-08	1.26E-03	1.98E-07	7.79E-08
312	488567.32, 3858109.41	1.13E-03	1.78E-07	7.00E-08	1.38E-03	2.18E-07	8.57E-08	1.22E-03	1.91E-07	7.52E-08
313	488617.32, 3858109.41	1.09E-03	1.72E-07	6.77E-08	1.34E-03	2.11E-07	8.29E-08	1.18E-03	1.85E-07	7.27E-08
314	488667.32, 3858109.41	1.06E-03	1.67E-07	6.55E-08	1.30E-03	2.04E-07	8.02E-08	1.14E-03	1.79E-07	7.04E-08
315	488769.93, 3858449.27	1.18E-03	1.86E-07	7.31E-08	1.45E-03	2.28E-07	8.95E-08	1.27E-03	2.00E-07	7.87E-08
316	488819.93, 3858449.27	1.11E-03	1.75E-07	6.89E-08	1.36E-03	2.15E-07	8.44E-08	1.20E-03	1.89E-07	7.42E-08
317	488819.93, 3858499.27	1.18E-03	1.87E-07	7.33E-08	1.45E-03	2.29E-07	8.98E-08	1.28E-03	2.01E-07	7.90E-08
318	488869.93, 3858499.27	1.11E-03	1.75E-07	6.89E-08	1.36E-03	2.15E-07	8.44E-08	1.20E-03	1.89E-07	7.42E-08
319	488869.93, 3858549.27	1.19E-03	1.87E-07	7.36E-08	1.46E-03	2.30E-07	9.02E-08	1.28E-03	2.02E-07	7.94E-08
320	489438.17, 3859571.48	2.02E-04	3.18E-08	1.25E-08	2.47E-04	3.89E-08	1.53E-08	2.17E-04	3.41E-08	1.34E-08
321	489488.17, 3859571.48	2.01E-04	3.17E-08	1.24E-08	2.46E-04	3.88E-08	1.52E-08	2.16E-04	3.40E-08	1.34E-08

322	489538.17, 3859571.48	2.00E-04	3.16E-08	1.24E-08	2.45E-04	3.86E-08	1.52E-08	2.15E-04	3.39E-08	1.33E-08
323	489588.17, 3859571.48	1.99E-04	3.14E-08	1.23E-08	2.44E-04	3.84E-08	1.51E-08	2.14E-04	3.37E-08	1.32E-08
324	489438.17, 3859621.48	1.93E-04	3.04E-08	1.19E-08	2.36E-04	3.72E-08	1.46E-08	2.07E-04	3.26E-08	1.28E-08
325	489488.17, 3859621.48	1.93E-04	3.03E-08	1.19E-08	2.36E-04	3.72E-08	1.46E-08	2.07E-04	3.26E-08	1.28E-08
326	489538.17, 3859621.48	1.92E-04	3.03E-08	1.19E-08	2.35E-04	3.71E-08	1.46E-08	2.06E-04	3.25E-08	1.28E-08
327	489588.17, 3859621.48	1.92E-04	3.02E-08	1.19E-08	2.35E-04	3.70E-08	1.45E-08	2.06E-04	3.24E-08	1.27E-08
328	489238.17, 3859671.48	1.83E-04	2.88E-08	1.13E-08	2.24E-04	3.52E-08	1.38E-08	1.96E-04	3.09E-08	1.21E-08
329	489288.17, 3859671.48	1.83E-04	2.89E-08	1.13E-08	2.24E-04	3.54E-08	1.39E-08	1.97E-04	3.10E-08	1.22E-08
330	489338.17, 3859671.48	1.84E-04	2.90E-08	1.14E-08	2.25E-04	3.55E-08	1.39E-08	1.98E-04	3.11E-08	1.22E-08
331	489388.17, 3859671.48	1.85E-04	2.91E-08	1.14E-08	2.26E-04	3.56E-08	1.40E-08	1.98E-04	3.12E-08	1.23E-08
332	489438.17, 3859671.48	1.85E-04	2.91E-08	1.14E-08	2.26E-04	3.56E-08	1.40E-08	1.98E-04	3.13E-08	1.23E-08
333	489488.17, 3859671.48	1.85E-04	2.91E-08	1.14E-08	2.27E-04	3.57E-08	1.40E-08	1.99E-04	3.13E-08	1.23E-08
334	489538.17, 3859671.48	1.85E-04	2.91E-08	1.14E-08	2.26E-04	3.57E-08	1.40E-08	1.99E-04	3.13E-08	1.23E-08
335	489588.17, 3859671.48	1.85E-04	2.91E-08	1.14E-08	2.26E-04	3.56E-08	1.40E-08	1.98E-04	3.13E-08	1.23E-08
336	489238.17, 3859721.48	1.75E-04	2.76E-08	1.08E-08	2.14E-04	3.38E-08	1.33E-08	1.88E-04	2.96E-08	1.16E-08
337	489288.17, 3859721.48	1.76E-04	2.77E-08	1.09E-08	2.15E-04	3.39E-08	1.33E-08	1.89E-04	2.98E-08	1.17E-08
338	489338.17, 3859721.48	1.77E-04	2.78E-08	1.09E-08	2.16E-04	3.41E-08	1.34E-08	1.90E-04	2.99E-08	1.17E-08
339	489388.17, 3859721.48	1.77E-04	2.79E-08	1.10E-08	2.17E-04	3.42E-08	1.34E-08	1.90E-04	3.00E-08	1.18E-08
340	489438.17, 3859721.48	1.77E-04	2.79E-08	1.10E-08	2.17E-04	3.42E-08	1.34E-08	1.90E-04	3.00E-08	1.18E-08
341	489488.17, 3859721.48	1.78E-04	2.80E-08	1.10E-08	2.18E-04	3.43E-08	1.35E-08	1.91E-04	3.01E-08	1.18E-08
342	489538.17, 3859721.48	1.78E-04	2.80E-08	1.10E-08	2.18E-04	3.43E-08	1.35E-08	1.91E-04	3.01E-08	1.18E-08
343	489588.17, 3859721.48	1.78E-04	2.80E-08	1.10E-08	2.18E-04	3.43E-08	1.35E-08	1.91E-04	3.01E-08	1.18E-08
344	489238.17, 3859771.48	1.68E-04	2.65E-08	1.04E-08	2.06E-04	3.24E-08	1.27E-08	1.81E-04	2.84E-08	1.12E-08
345	489288.17, 3859771.48	1.69E-04	2.66E-08	1.05E-08	2.07E-04	3.26E-08	1.28E-08	1.81E-04	2.86E-08	1.12E-08
346	489338.17, 3859771.48	1.69E-04	2.67E-08	1.05E-08	2.07E-04	3.27E-08	1.28E-08	1.82E-04	2.87E-08	1.13E-08
347	489388.17, 3859771.48	1.70E-04	2.68E-08	1.05E-08	2.08E-04	3.28E-08	1.29E-08	1.83E-04	2.88E-08	1.13E-08
348	489438.17, 3859771.48	1.70E-04	2.68E-08	1.05E-08	2.09E-04	3.29E-08	1.29E-08	1.83E-04	2.88E-08	1.13E-08
349	489488.17, 3859771.48	1.71E-04	2.69E-08	1.06E-08	2.10E-04	3.30E-08	1.30E-08	1.84E-04	2.90E-08	1.14E-08
350	489538.17, 3859771.48	1.71E-04	2.70E-08	1.06E-08	2.10E-04	3.31E-08	1.30E-08	1.84E-04	2.90E-08	1.14E-08
351	489588.17, 3859771.48	1.72E-04	2.70E-08	1.06E-08	2.10E-04	3.31E-08	1.30E-08	1.84E-04	2.90E-08	1.14E-08
352	489238.17, 3859821.48	1.62E-04	2.54E-08	1.00E-08	1.98E-04	3.12E-08	1.22E-08	1.74E-04	2.73E-08	1.07E-08
353	489288.17, 3859821.48	1.62E-04	2.56E-08	1.00E-08	1.99E-04	3.13E-08	1.23E-08	1.74E-04	2.75E-08	1.08E-08
354	489338.17, 3859821.48	1.63E-04	2.57E-08	1.01E-08	2.00E-04	3.14E-08	1.23E-08	1.75E-04	2.76E-08	1.08E-08
355	489388.17, 3859821.48	1.63E-04	2.58E-08	1.01E-08	2.00E-04	3.15E-08	1.24E-08	1.76E-04	2.77E-08	1.09E-08
356	489438.17, 3859821.48	1.64E-04	2.59E-08	1.02E-08	2.01E-04	3.17E-08	1.25E-08	1.76E-04	2.78E-08	1.09E-08
357	489488.17, 3859821.48	1.65E-04	2.60E-08	1.02E-08	2.02E-04	3.18E-08	1.25E-08	1.77E-04	2.79E-08	1.10E-08
358	489538.17, 3859821.48	1.65E-04	2.61E-08	1.02E-08	2.03E-04	3.19E-08	1.25E-08	1.78E-04	2.80E-08	1.10E-08
359	489588.17, 3859821.48	1.66E-04	2.61E-08	1.02E-08	2.03E-04	3.19E-08	1.25E-08	1.78E-04	2.80E-08	1.10E-08
360	489238.17, 3859871.48	1.56E-04	2.45E-08	9.63E-09	1.91E-04	3.00E-08	1.18E-08	1.67E-04	2.63E-08	1.03E-08
361	489288.17, 3859871.48	1.56E-04	2.46E-08	9.67E-09	1.91E-04	3.01E-08	1.18E-08	1.68E-04	2.64E-08	1.04E-08
362	489338.17, 3859871.48	1.57E-04	2.47E-08	9.71E-09	1.92E-04	3.03E-08	1.19E-08	1.69E-04	2.65E-08	1.04E-08
363	489388.17, 3859871.48	1.58E-04	2.48E-08	9.76E-09	1.93E-04	3.04E-08	1.20E-08	1.69E-04	2.67E-08	1.05E-08
364	489438.17, 3859871.48	1.59E-04	2.50E-08	9.82E-09	1.94E-04	3.06E-08	1.20E-08	1.70E-04	2.69E-08	1.05E-08
365	489488.17, 3859871.48	1.60E-04	2.51E-08	9.88E-09	1.95E-04	3.08E-08	1.21E-08	1.71E-04	2.70E-08	1.06E-08
366	489538.17, 3859871.48	1.60E-04	2.52E-08	9.89E-09	1.96E-04	3.08E-08	1.21E-08	1.72E-04	2.70E-08	1.06E-08
367	489588.17, 3859871.48	1.60E-04	2.52E-08	9.91E-09	1.96E-04	3.09E-08	1.21E-08	1.72E-04	2.71E-08	1.06E-08
368	489238.17, 3859921.48	1.50E-04	2.37E-08	9.31E-09	1.84E-04	2.90E-08	1.14E-08	1.62E-04	2.55E-08	1.00E-08
369	489288.17, 3859921.48	1.51E-04	2.38E-08	9.35E-09	1.85E-04	2.92E-08	1.15E-08	1.62E-04	2.56E-08	1.00E-08
370	489338.17, 3859921.48	1.52E-04	2.39E-08	9.39E-09	1.86E-04	2.93E-08	1.15E-08	1.63E-04	2.57E-08	1.01E-08
371	489388.17, 3859921.48	1.53E-04	2.40E-08	9.45E-09	1.87E-04	2.94E-08	1.16E-08	1.64E-04	2.58E-08	1.01E-08
372	489438.17, 3859921.48	1.54E-04	2.42E-08	9.51E-09	1.88E-04	2.96E-08	1.16E-08	1.65E-04	2.60E-08	1.02E-08
373	489488.17, 3859921.48	1.54E-04	2.43E-08	9.54E-09	1.89E-04	2.98E-08	1.17E-08	1.66E-04	2.61E-08	1.03E-08
374	489538.17, 3859921.48	1.55E-04	2.44E-08	9.57E-09	1.89E-04	2.98E-08	1.17E-08	1.66E-04	2.62E-08	1.03E-08
375	489588.17, 3859921.48	1.55E-04	2.44E-08	9.60E-09	1.90E-04	2.99E-08	1.18E-08	1.67E-04	2.62E-08	1.03E-08
376	489238.17, 3859971.48	1.46E-04	2.29E-08	9.01E-09	1.78E-04	2.81E-08	1.10E-08	1.56E-04	2.46E-08	9.68E-09
377	489288.17, 3859971.48	1.46E-04	2.30E-08	9.04E-09	1.79E-04	2.82E-08	1.11E-08	1.57E-04	2.47E-08	9.71E-09
378	489338.17, 3859971.48	1.47E-04	2.31E-08	9.09E-09	1.80E-04	2.83E-08	1.11E-08	1.58E-04	2.48E-08	9.76E-09
379	489388.17, 3859971.48	1.48E-04	2.33E-08	9.15E-09	1.81E-04	2.85E-08	1.12E-08	1.59E-04	2.50E-08	9.83E-09
380	489438.17, 3859971.48	1.49E-04	2.35E-08	9.22E-09	1.82E-04	2.87E-08	1.13E-08	1.60E-04	2.52E-08	9.90E-09
381	489488.17, 3859971.48	1.50E-04	2.36E-08	9.26E-09	1.83E-04	2.89E-08	1.13E-08	1.61E-04	2.53E-08	9.95E-09
382	489538.17, 3859971.48	1.50E-04	2.36E-08	9.29E-09	1.84E-04	2.90E-08	1.14E-08	1.61E-04	2.54E-08	9.98E-09
383	489588.17, 3859971.48	1.50E-04	2.37E-08	9.31E-09	1.84E-04	2.90E-08	1.14E-08	1.62E-04	2.55E-08	1.00E-08
384	483577.7, 3854071	7.35E-04	1.16E-07	4.55E-08	9.01E-04	1.42E-07	5.57E-08	7.92E-04	1.25E-07	4.90E-08
385	483627.7, 3854071	7.06E-04	1.11E-07	4.37E-08	8.64E-04	1.36E-07	5.35E-08	7.60E-04	1.20E-07	4.70E-08
386	483677.7, 3854071	6.78E-04	1.07E-07	4.20E-08	8.31E-04	1.31E-07	5.14E-08	7.30E-04	1.15E-07	4.52E-08

387	483727.7, 3854071	6.53E-04	1.03E-07	4.04E-08	8.00E-04	1.26E-07	4.95E-08	7.03E-04	1.11E-07	4.35E-08
388	483777.7, 3854071	6.25E-04	9.84E-08	3.87E-08	7.66E-04	1.21E-07	4.74E-08	6.73E-04	1.06E-07	4.17E-08
389	483577.7, 3854121	7.77E-04	1.22E-07	4.81E-08	9.52E-04	1.50E-07	5.89E-08	8.37E-04	1.32E-07	5.18E-08
390	483627.7, 3854121	7.43E-04	1.17E-07	4.60E-08	9.10E-04	1.43E-07	5.63E-08	8.00E-04	1.26E-07	4.95E-08
391	483677.7, 3854121	7.10E-04	1.12E-07	4.39E-08	8.70E-04	1.37E-07	5.38E-08	7.64E-04	1.20E-07	4.73E-08
392	483727.7, 3854121	6.77E-04	1.07E-07	4.19E-08	8.30E-04	1.31E-07	5.13E-08	7.29E-04	1.15E-07	4.51E-08
393	483777.7, 3854121	6.52E-04	1.03E-07	4.04E-08	7.99E-04	1.26E-07	4.95E-08	7.02E-04	1.11E-07	4.35E-08
394	483577.7, 3854171	8.16E-04	1.29E-07	5.05E-08	1.00E-03	1.58E-07	6.19E-08	8.79E-04	1.38E-07	5.44E-08
395	483627.7, 3854171	7.74E-04	1.22E-07	4.79E-08	9.49E-04	1.49E-07	5.87E-08	8.34E-04	1.31E-07	5.16E-08
396	483677.7, 3854171	7.40E-04	1.17E-07	4.58E-08	9.06E-04	1.43E-07	5.61E-08	7.97E-04	1.25E-07	4.93E-08
397	483727.7, 3854171	7.11E-04	1.12E-07	4.40E-08	8.71E-04	1.37E-07	5.39E-08	7.65E-04	1.21E-07	4.74E-08
398	483777.7, 3854171	6.83E-04	1.08E-07	4.23E-08	8.37E-04	1.32E-07	5.18E-08	7.35E-04	1.16E-07	4.55E-08
399	483827.7, 3854171	6.49E-04	1.02E-07	4.02E-08	7.95E-04	1.25E-07	4.92E-08	6.99E-04	1.10E-07	4.32E-08
400	483877.7, 3854171	6.25E-04	9.84E-08	3.87E-08	7.65E-04	1.21E-07	4.74E-08	6.73E-04	1.06E-07	4.16E-08
401	483727.7, 3854221	7.52E-04	1.18E-07	4.65E-08	9.21E-04	1.45E-07	5.70E-08	8.09E-04	1.28E-07	5.01E-08
402	483777.7, 3854221	7.21E-04	1.14E-07	4.46E-08	8.83E-04	1.39E-07	5.47E-08	7.76E-04	1.22E-07	4.80E-08
403	483827.7, 3854221	7.04E-04	1.11E-07	4.36E-08	8.63E-04	1.36E-07	5.34E-08	7.58E-04	1.19E-07	4.69E-08
404	483877.7, 3854221	6.72E-04	1.06E-07	4.16E-08	8.23E-04	1.30E-07	5.09E-08	7.23E-04	1.14E-07	4.48E-08
405	489150.19, 3858726.45	9.97E-04	1.57E-07	6.17E-08	1.22E-03	1.92E-07	7.56E-08	1.07E-03	1.69E-07	6.65E-08
406	489200.19, 3858726.45	9.25E-04	1.46E-07	5.72E-08	1.13E-03	1.78E-07	7.01E-08	9.97E-04	1.57E-07	6.17E-08
407	489150.19, 3858776.45	1.01E-03	1.60E-07	6.28E-08	1.24E-03	1.96E-07	7.69E-08	1.09E-03	1.72E-07	6.77E-08
408	489200.19, 3858776.45	9.25E-04	1.46E-07	5.72E-08	1.13E-03	1.78E-07	7.01E-08	9.97E-04	1.57E-07	6.17E-08
409	488919.6, 3856400.76	9.86E-04	1.55E-07	6.10E-08	1.21E-03	1.90E-07	7.48E-08	1.06E-03	1.67E-07	6.56E-08
410	488919.6, 3856450.76	1.00E-03	1.58E-07	6.19E-08	1.23E-03	1.93E-07	7.59E-08	1.08E-03	1.69E-07	6.66E-08
411	488969.6, 3856450.76	9.83E-04	1.55E-07	6.08E-08	1.20E-03	1.90E-07	7.45E-08	1.06E-03	1.66E-07	6.54E-08
412	488919.6, 3856500.76	1.01E-03	1.60E-07	6.28E-08	1.24E-03	1.96E-07	7.69E-08	1.09E-03	1.72E-07	6.75E-08
413	488969.6, 3856500.76	9.96E-04	1.57E-07	6.16E-08	1.22E-03	1.92E-07	7.55E-08	1.07E-03	1.69E-07	6.62E-08
414	488919.6, 3856550.76	1.03E-03	1.62E-07	6.36E-08	1.26E-03	1.98E-07	7.79E-08	1.10E-03	1.74E-07	6.83E-08
415	488969.6, 3856550.76	1.01E-03	1.59E-07	6.24E-08	1.24E-03	1.95E-07	7.64E-08	1.08E-03	1.71E-07	6.70E-08
416	488819.6, 3856600.76	1.08E-03	1.71E-07	6.70E-08	1.33E-03	2.09E-07	8.21E-08	1.16E-03	1.83E-07	7.20E-08
417	488869.6, 3856600.76	1.06E-03	1.67E-07	6.57E-08	1.30E-03	2.05E-07	8.05E-08	1.14E-03	1.80E-07	7.06E-08
418	488919.6, 3856600.76	1.04E-03	1.64E-07	6.44E-08	1.27E-03	2.01E-07	7.89E-08	1.12E-03	1.76E-07	6.92E-08
419	488819.6, 3856650.76	1.10E-03	1.73E-07	6.78E-08	1.34E-03	2.11E-07	8.31E-08	1.18E-03	1.85E-07	7.28E-08
420	488869.6, 3856650.76	1.07E-03	1.69E-07	6.65E-08	1.32E-03	2.07E-07	8.14E-08	1.15E-03	1.82E-07	7.14E-08
421	488819.6, 3856700.76	1.11E-03	1.75E-07	6.86E-08	1.36E-03	2.14E-07	8.40E-08	1.19E-03	1.87E-07	7.36E-08
422	488869.6, 3856700.76	1.09E-03	1.71E-07	6.72E-08	1.33E-03	2.10E-07	8.23E-08	1.17E-03	1.84E-07	7.21E-08
423	488819.6, 3856750.76	1.12E-03	1.77E-07	6.93E-08	1.37E-03	2.16E-07	8.49E-08	1.20E-03	1.89E-07	7.44E-08
424	488869.6, 3856750.76	1.10E-03	1.73E-07	6.79E-08	1.34E-03	2.12E-07	8.32E-08	1.18E-03	1.85E-07	7.28E-08
425	488819.6, 3857050.76	1.18E-03	1.85E-07	7.29E-08	1.44E-03	2.27E-07	8.92E-08	1.26E-03	1.98E-07	7.79E-08
426	488869.6, 3857050.76	1.15E-03	1.81E-07	7.12E-08	1.41E-03	2.22E-07	8.72E-08	1.23E-03	1.94E-07	7.61E-08
427	488919.6, 3857050.76	1.12E-03	1.77E-07	6.96E-08	1.38E-03	2.17E-07	8.52E-08	1.20E-03	1.89E-07	7.44E-08
428	488819.6, 3857100.76	1.18E-03	1.87E-07	7.33E-08	1.45E-03	2.28E-07	8.98E-08	1.27E-03	1.99E-07	7.83E-08
429	488869.6, 3857100.76	1.16E-03	1.82E-07	7.16E-08	1.42E-03	2.23E-07	8.77E-08	1.24E-03	1.95E-07	7.65E-08
430	488919.6, 3857100.76	1.13E-03	1.78E-07	6.99E-08	1.38E-03	2.18E-07	8.56E-08	1.21E-03	1.90E-07	7.47E-08
431	488819.6, 3857150.76	1.19E-03	1.87E-07	7.37E-08	1.46E-03	2.30E-07	9.02E-08	1.27E-03	2.00E-07	7.87E-08
432	488869.6, 3857150.76	1.16E-03	1.83E-07	7.19E-08	1.42E-03	2.24E-07	8.80E-08	1.24E-03	1.95E-07	7.68E-08
433	488919.6, 3857150.76	1.13E-03	1.79E-07	7.02E-08	1.39E-03	2.19E-07	8.60E-08	1.21E-03	1.91E-07	7.50E-08
434	488969.6, 3857150.76	1.11E-03	1.75E-07	6.86E-08	1.36E-03	2.14E-07	8.40E-08	1.18E-03	1.86E-07	7.32E-08
435	488819.6, 3857200.76	1.19E-03	1.88E-07	7.39E-08	1.46E-03	2.30E-07	9.05E-08	1.28E-03	2.01E-07	7.89E-08
436	488869.6, 3857200.76	1.16E-03	1.83E-07	7.21E-08	1.43E-03	2.25E-07	8.83E-08	1.24E-03	1.96E-07	7.70E-08
437	488919.6, 3857200.76	1.14E-03	1.79E-07	7.04E-08	1.39E-03	2.19E-07	8.62E-08	1.21E-03	1.91E-07	7.51E-08
438	488969.6, 3857200.76	1.11E-03	1.75E-07	6.87E-08	1.36E-03	2.14E-07	8.42E-08	1.19E-03	1.87E-07	7.34E-08
439	488819.6, 3857250.76	1.20E-03	1.89E-07	7.41E-08	1.47E-03	2.31E-07	9.08E-08	1.28E-03	2.01E-07	7.91E-08
440	488869.6, 3857250.76	1.17E-03	1.84E-07	7.23E-08	1.43E-03	2.25E-07	8.85E-08	1.25E-03	1.96E-07	7.72E-08
441	488919.6, 3857250.76	1.14E-03	1.79E-07	7.05E-08	1.39E-03	2.20E-07	8.63E-08	1.22E-03	1.92E-07	7.53E-08
442	488969.6, 3857250.76	1.11E-03	1.75E-07	6.88E-08	1.36E-03	2.14E-07	8.42E-08	1.19E-03	1.87E-07	7.35E-08
443	488819.6, 3857300.76	1.20E-03	1.89E-07	7.42E-08	1.47E-03	2.31E-07	9.09E-08	1.28E-03	2.02E-07	7.92E-08
444	488869.6, 3857300.76	1.17E-03	1.84E-07	7.23E-08	1.43E-03	2.25E-07	8.85E-08	1.25E-03	1.96E-07	7.72E-08
445	488919.6, 3857300.76	1.14E-03	1.79E-07	7.05E-08	1.39E-03	2.20E-07	8.63E-08	1.22E-03	1.92E-07	7.52E-08
446	488819.6, 3857450.76	1.19E-03	1.88E-07	7.38E-08	1.46E-03	2.30E-07	9.03E-08	1.27E-03	2.01E-07	7.88E-08
447	488869.6, 3857450.76	1.16E-03	1.83E-07	7.17E-08	1.42E-03	2.24E-07	8.79E-08	1.24E-03	1.95E-07	7.66E-08
448	488919.6, 3857450.76	1.13E-03	1.78E-07	6.97E-08	1.38E-03	2.17E-07	8.54E-08	1.20E-03	1.90E-07	7.45E-08
449	488819.6, 3857500.76	1.19E-03	1.87E-07	7.34E-08	1.45E-03	2.29E-07	8.99E-08	1.27E-03	2.00E-07	7.84E-08
450	488869.6, 3857500.76	1.15E-03	1.81E-07	7.13E-08	1.41E-03	2.22E-07	8.73E-08	1.23E-03	1.94E-07	7.62E-08
451	488919.6, 3857500.76	1.12E-03	1.76E-07	6.93E-08	1.37E-03	2.16E-07	8.48E-08	1.20E-03	1.88E-07	7.40E-08

452	488819.6, 3857550.76	1.18E-03	1.85E-07	7.28E-08	1.44E-03	2.27E-07	8.91E-08	1.26E-03	1.98E-07	7.78E-08
453	488869.6, 3857550.76	1.14E-03	1.80E-07	7.07E-08	1.40E-03	2.20E-07	8.65E-08	1.22E-03	1.92E-07	7.56E-08
454	488919.6, 3857550.76	1.11E-03	1.75E-07	6.86E-08	1.36E-03	2.14E-07	8.40E-08	1.19E-03	1.87E-07	7.34E-08
455	489663.71, 3860900.05	8.61E-05	1.36E-08	5.33E-09	1.05E-04	1.66E-08	6.53E-09	9.25E-05	1.46E-08	5.73E-09
456	489813.71, 3860900.05	8.66E-05	1.36E-08	5.36E-09	1.06E-04	1.67E-08	6.56E-09	9.30E-05	1.47E-08	5.76E-09
457	489863.71, 3860900.05	8.67E-05	1.37E-08	5.36E-09	1.06E-04	1.67E-08	6.57E-09	9.31E-05	1.47E-08	5.76E-09
458	489913.71, 3860900.05	8.70E-05	1.37E-08	5.38E-09	1.07E-04	1.68E-08	6.59E-09	9.34E-05	1.47E-08	5.78E-09
459	489963.71, 3860900.05	8.71E-05	1.37E-08	5.39E-09	1.07E-04	1.68E-08	6.60E-09	9.35E-05	1.47E-08	5.79E-09
460	490013.71, 3860900.05	8.74E-05	1.38E-08	5.41E-09	1.07E-04	1.69E-08	6.62E-09	9.39E-05	1.48E-08	5.81E-09
461	490063.71, 3860900.05	8.76E-05	1.38E-08	5.42E-09	1.07E-04	1.69E-08	6.64E-09	9.41E-05	1.48E-08	5.82E-09
462	489663.71, 3860950.05	8.42E-05	1.33E-08	5.21E-09	1.03E-04	1.63E-08	6.39E-09	9.05E-05	1.43E-08	5.60E-09
463	489813.71, 3860950.05	8.47E-05	1.33E-08	5.24E-09	1.04E-04	1.63E-08	6.42E-09	9.10E-05	1.43E-08	5.63E-09
464	489863.71, 3860950.05	8.47E-05	1.33E-08	5.24E-09	1.04E-04	1.63E-08	6.42E-09	9.10E-05	1.43E-08	5.63E-09
465	489913.71, 3860950.05	8.49E-05	1.34E-08	5.26E-09	1.04E-04	1.64E-08	6.44E-09	9.12E-05	1.44E-08	5.65E-09
466	489963.71, 3860950.05	8.50E-05	1.34E-08	5.26E-09	1.04E-04	1.64E-08	6.45E-09	9.13E-05	1.44E-08	5.65E-09
467	490013.71, 3860950.05	8.53E-05	1.34E-08	5.28E-09	1.04E-04	1.65E-08	6.46E-09	9.16E-05	1.44E-08	5.67E-09
468	490063.71, 3860950.05	8.55E-05	1.35E-08	5.29E-09	1.05E-04	1.65E-08	6.48E-09	9.18E-05	1.45E-08	5.68E-09
469	489513.71, 3861000.05	8.23E-05	1.30E-08	5.09E-09	1.01E-04	1.59E-08	6.24E-09	8.84E-05	1.39E-08	5.47E-09
470	489563.71, 3861000.05	8.23E-05	1.30E-08	5.09E-09	1.01E-04	1.59E-08	6.24E-09	8.84E-05	1.39E-08	5.47E-09
471	489613.71, 3861000.05	8.24E-05	1.30E-08	5.10E-09	1.01E-04	1.59E-08	6.25E-09	8.85E-05	1.39E-08	5.48E-09
472	489663.71, 3861000.05	8.25E-05	1.30E-08	5.11E-09	1.01E-04	1.59E-08	6.25E-09	8.86E-05	1.40E-08	5.48E-09
473	489713.71, 3861000.05	8.25E-05	1.30E-08	5.11E-09	1.01E-04	1.59E-08	6.25E-09	8.86E-05	1.40E-08	5.48E-09
474	489763.71, 3861000.05	8.26E-05	1.30E-08	5.11E-09	1.01E-04	1.59E-08	6.26E-09	8.87E-05	1.40E-08	5.49E-09
475	489813.71, 3861000.05	8.29E-05	1.31E-08	5.13E-09	1.02E-04	1.60E-08	6.28E-09	8.90E-05	1.40E-08	5.51E-09
476	489863.71, 3861000.05	8.29E-05	1.31E-08	5.13E-09	1.02E-04	1.60E-08	6.28E-09	8.90E-05	1.40E-08	5.51E-09
477	489913.71, 3861000.05	8.31E-05	1.31E-08	5.14E-09	1.02E-04	1.60E-08	6.30E-09	8.92E-05	1.41E-08	5.52E-09
478	489963.71, 3861000.05	8.31E-05	1.31E-08	5.15E-09	1.02E-04	1.60E-08	6.30E-09	8.93E-05	1.41E-08	5.53E-09
479	490013.71, 3861000.05	8.33E-05	1.31E-08	5.16E-09	1.02E-04	1.61E-08	6.32E-09	8.95E-05	1.41E-08	5.54E-09
480	490063.71, 3861000.05	8.35E-05	1.32E-08	5.17E-09	1.02E-04	1.61E-08	6.33E-09	8.97E-05	1.41E-08	5.55E-09
481	489513.71, 3861050.05	8.07E-05	1.27E-08	4.99E-09	9.88E-05	1.56E-08	6.12E-09	8.67E-05	1.37E-08	5.36E-09
482	489563.71, 3861050.05	8.07E-05	1.27E-08	4.99E-09	9.88E-05	1.56E-08	6.12E-09	8.67E-05	1.37E-08	5.36E-09
483	489613.71, 3861050.05	8.09E-05	1.27E-08	5.01E-09	9.91E-05	1.56E-08	6.13E-09	8.69E-05	1.37E-08	5.38E-09
484	489663.71, 3861050.05	8.08E-05	1.27E-08	5.00E-09	9.90E-05	1.56E-08	6.13E-09	8.68E-05	1.37E-08	5.37E-09
485	489713.71, 3861050.05	8.08E-05	1.27E-08	5.00E-09	9.89E-05	1.56E-08	6.12E-09	8.68E-05	1.37E-08	5.37E-09
486	489763.71, 3861050.05	8.09E-05	1.27E-08	5.01E-09	9.91E-05	1.56E-08	6.13E-09	8.69E-05	1.37E-08	5.38E-09
487	489813.71, 3861050.05	8.10E-05	1.28E-08	5.02E-09	9.93E-05	1.56E-08	6.14E-09	8.70E-05	1.37E-08	5.39E-09
488	489863.71, 3861050.05	8.11E-05	1.28E-08	5.02E-09	9.93E-05	1.56E-08	6.15E-09	8.71E-05	1.37E-08	5.39E-09
489	489913.71, 3861050.05	8.12E-05	1.28E-08	5.03E-09	9.95E-05	1.57E-08	6.16E-09	8.72E-05	1.37E-08	5.40E-09
490	489963.71, 3861050.05	8.13E-05	1.28E-08	5.03E-09	9.96E-05	1.57E-08	6.16E-09	8.73E-05	1.38E-08	5.41E-09
491	490013.71, 3861050.05	8.16E-05	1.28E-08	5.05E-09	9.99E-05	1.57E-08	6.18E-09	8.76E-05	1.38E-08	5.42E-09
492	490063.71, 3861050.05	8.17E-05	1.29E-08	5.06E-09	1.00E-04	1.58E-08	6.19E-09	8.77E-05	1.38E-08	5.43E-09
493	489513.71, 3861100.05	7.93E-05	1.25E-08	4.91E-09	9.71E-05	1.53E-08	6.01E-09	8.52E-05	1.34E-08	5.27E-09
494	489563.71, 3861100.05	7.91E-05	1.25E-08	4.89E-09	9.69E-05	1.53E-08	6.00E-09	8.49E-05	1.34E-08	5.26E-09
495	489613.71, 3861100.05	7.89E-05	1.24E-08	4.88E-09	9.66E-05	1.52E-08	5.98E-09	8.47E-05	1.33E-08	5.24E-09
496	489663.71, 3861100.05	7.90E-05	1.24E-08	4.89E-09	9.67E-05	1.52E-08	5.99E-09	8.48E-05	1.34E-08	5.25E-09
497	489713.71, 3861100.05	7.90E-05	1.25E-08	4.89E-09	9.68E-05	1.53E-08	5.99E-09	8.49E-05	1.34E-08	5.25E-09
498	489763.71, 3861100.05	7.91E-05	1.25E-08	4.90E-09	9.69E-05	1.53E-08	6.00E-09	8.50E-05	1.34E-08	5.26E-09
499	489813.71, 3861100.05	7.93E-05	1.25E-08	4.91E-09	9.71E-05	1.53E-08	6.01E-09	8.51E-05	1.34E-08	5.27E-09
500	489863.71, 3861100.05	7.95E-05	1.25E-08	4.92E-09	9.74E-05	1.53E-08	6.03E-09	8.54E-05	1.35E-08	5.28E-09
501	489913.71, 3861100.05	7.95E-05	1.25E-08	4.92E-09	9.74E-05	1.53E-08	6.03E-09	8.54E-05	1.35E-08	5.28E-09
502	489963.71, 3861100.05	7.96E-05	1.25E-08	4.93E-09	9.75E-05	1.54E-08	6.03E-09	8.55E-05	1.35E-08	5.29E-09
503	490013.71, 3861100.05	7.97E-05	1.25E-08	4.93E-09	9.76E-05	1.54E-08	6.04E-09	8.56E-05	1.35E-08	5.29E-09
504	490063.71, 3861100.05	7.98E-05	1.26E-08	4.94E-09	9.77E-05	1.54E-08	6.05E-09	8.57E-05	1.35E-08	5.30E-09
505	489713.71, 3861150.05	7.74E-05	1.22E-08	4.79E-09	9.48E-05	1.49E-08	5.87E-09	8.31E-05	1.31E-08	5.14E-09
506	489763.71, 3861150.05	7.75E-05	1.22E-08	4.80E-09	9.49E-05	1.50E-08	5.88E-09	8.32E-05	1.31E-08	5.15E-09
507	489813.71, 3861150.05	7.76E-05	1.22E-08	4.81E-09	9.51E-05	1.50E-08	5.89E-09	8.34E-05	1.31E-08	5.16E-09
508	489863.71, 3861150.05	7.77E-05	1.22E-08	4.81E-09	9.52E-05	1.50E-08	5.89E-09	8.35E-05	1.32E-08	5.17E-09
509	489913.71, 3861150.05	7.78E-05	1.23E-08	4.82E-09	9.53E-05	1.50E-08	5.90E-09	8.36E-05	1.32E-08	5.17E-09
510	489963.71, 3861150.05	7.78E-05	1.23E-08	4.82E-09	9.53E-05	1.50E-08	5.90E-09	8.36E-05	1.32E-08	5.17E-09
511	490013.71, 3861150.05	7.79E-05	1.23E-08	4.82E-09	9.54E-05	1.50E-08	5.91E-09	8.37E-05	1.32E-08	5.18E-09
512	490063.71, 3861150.05	7.81E-05	1.23E-08	4.83E-09	9.56E-05	1.51E-08	5.92E-09	8.38E-05	1.32E-08	5.19E-09
513	489613.71, 3861200.05	7.56E-05	1.19E-08	4.68E-09	9.26E-05	1.46E-08	5.73E-09	8.12E-05	1.28E-08	5.03E-09
514	489663.71, 3861200.05	7.57E-05	1.19E-08	4.69E-09	9.27E-05	1.46E-08	5.74E-09	8.13E-05	1.28E-08	5.03E-09
515	489713.71, 3861200.05	7.58E-05	1.19E-08	4.69E-09	9.29E-05	1.46E-08	5.75E-09	8.14E-05	1.28E-08	5.04E-09
516	489763.71, 3861200.05	7.59E-05	1.20E-08	4.70E-09	9.30E-05	1.46E-08	5.75E-09	8.15E-05	1.28E-08	5.05E-09

517	489813.71, 3861200.05	7.61E-05	1.20E-08	4.71E-09	9.32E-05	1.47E-08	5.76E-09	8.17E-05	1.29E-08	5.06E-09
518	489863.71, 3861200.05	7.62E-05	1.20E-08	4.72E-09	9.33E-05	1.47E-08	5.78E-09	8.19E-05	1.29E-08	5.07E-09
519	489913.71, 3861200.05	7.63E-05	1.20E-08	4.72E-09	9.34E-05	1.47E-08	5.78E-09	8.19E-05	1.29E-08	5.07E-09
520	489963.71, 3861200.05	7.63E-05	1.20E-08	4.72E-09	9.34E-05	1.47E-08	5.78E-09	8.19E-05	1.29E-08	5.07E-09
521	490013.71, 3861200.05	7.64E-05	1.20E-08	4.73E-09	9.35E-05	1.47E-08	5.79E-09	8.20E-05	1.29E-08	5.08E-09
522	490063.71, 3861200.05	7.64E-05	1.20E-08	4.73E-09	9.36E-05	1.47E-08	5.79E-09	8.21E-05	1.29E-08	5.08E-09
523	489513.71, 3861250.05	7.39E-05	1.16E-08	4.57E-09	9.05E-05	1.43E-08	5.60E-09	7.94E-05	1.25E-08	4.91E-09
524	489563.71, 3861250.05	7.41E-05	1.17E-08	4.58E-09	9.07E-05	1.43E-08	5.61E-09	7.96E-05	1.25E-08	4.92E-09
525	489613.71, 3861250.05	7.42E-05	1.17E-08	4.59E-09	9.08E-05	1.43E-08	5.62E-09	7.97E-05	1.26E-08	4.93E-09
526	489663.71, 3861250.05	7.42E-05	1.17E-08	4.59E-09	9.09E-05	1.43E-08	5.63E-09	7.97E-05	1.26E-08	4.93E-09
527	489713.71, 3861250.05	7.43E-05	1.17E-08	4.60E-09	9.10E-05	1.43E-08	5.63E-09	7.98E-05	1.26E-08	4.94E-09
528	489763.71, 3861250.05	7.44E-05	1.17E-08	4.61E-09	9.12E-05	1.44E-08	5.64E-09	7.99E-05	1.26E-08	4.95E-09
529	489813.71, 3861250.05	7.45E-05	1.17E-08	4.61E-09	9.13E-05	1.44E-08	5.65E-09	8.00E-05	1.26E-08	4.95E-09
530	489863.71, 3861250.05	7.46E-05	1.18E-08	4.62E-09	9.14E-05	1.44E-08	5.66E-09	8.01E-05	1.26E-08	4.96E-09
531	489913.71, 3861250.05	7.47E-05	1.18E-08	4.63E-09	9.15E-05	1.44E-08	5.67E-09	8.03E-05	1.26E-08	4.97E-09
532	489963.71, 3861250.05	7.48E-05	1.18E-08	4.63E-09	9.16E-05	1.44E-08	5.67E-09	8.04E-05	1.27E-08	4.97E-09
533	490013.71, 3861250.05	7.49E-05	1.18E-08	4.63E-09	9.17E-05	1.44E-08	5.68E-09	8.04E-05	1.27E-08	4.98E-09
534	490063.71, 3861250.05	7.49E-05	1.18E-08	4.63E-09	9.17E-05	1.44E-08	5.67E-09	8.04E-05	1.27E-08	4.98E-09
535	489528.13, 3861308.47	7.22E-05	1.14E-08	4.47E-09	8.84E-05	1.39E-08	5.47E-09	7.76E-05	1.22E-08	4.80E-09
536	489578.13, 3861308.47	7.23E-05	1.14E-08	4.48E-09	8.86E-05	1.40E-08	5.48E-09	7.77E-05	1.22E-08	4.81E-09
537	489628.13, 3861308.47	7.24E-05	1.14E-08	4.48E-09	8.87E-05	1.40E-08	5.49E-09	7.78E-05	1.23E-08	4.82E-09
538	489678.13, 3861308.47	7.26E-05	1.14E-08	4.49E-09	8.89E-05	1.40E-08	5.50E-09	7.79E-05	1.23E-08	4.82E-09
539	489728.13, 3861308.47	7.27E-05	1.14E-08	4.50E-09	8.90E-05	1.40E-08	5.51E-09	7.81E-05	1.23E-08	4.83E-09
540	489778.13, 3861308.47	7.27E-05	1.15E-08	4.50E-09	8.91E-05	1.40E-08	5.51E-09	7.81E-05	1.23E-08	4.83E-09
541	489678.13, 3861358.47	7.12E-05	1.12E-08	4.40E-09	8.71E-05	1.37E-08	5.39E-09	7.64E-05	1.20E-08	4.73E-09
542	489728.13, 3861358.47	7.12E-05	1.12E-08	4.41E-09	8.72E-05	1.37E-08	5.40E-09	7.65E-05	1.21E-08	4.74E-09
543	489528.13, 3861408.47	6.94E-05	1.09E-08	4.29E-09	8.50E-05	1.34E-08	5.26E-09	7.45E-05	1.17E-08	4.61E-09
544	489578.13, 3861408.47	6.95E-05	1.10E-08	4.30E-09	8.51E-05	1.34E-08	5.27E-09	7.47E-05	1.18E-08	4.62E-09
545	489628.13, 3861408.47	6.98E-05	1.10E-08	4.32E-09	8.54E-05	1.35E-08	5.29E-09	7.49E-05	1.18E-08	4.64E-09
546	489678.13, 3861408.47	6.98E-05	1.10E-08	4.32E-09	8.55E-05	1.35E-08	5.29E-09	7.50E-05	1.18E-08	4.64E-09
547	489728.13, 3861408.47	6.98E-05	1.10E-08	4.32E-09	8.55E-05	1.35E-08	5.29E-09	7.50E-05	1.18E-08	4.64E-09
548	489528.13, 3861458.47	6.81E-05	1.07E-08	4.22E-09	8.34E-05	1.31E-08	5.16E-09	7.32E-05	1.15E-08	4.53E-09
549	489578.13, 3861458.47	6.83E-05	1.08E-08	4.23E-09	8.36E-05	1.32E-08	5.18E-09	7.33E-05	1.16E-08	4.54E-09
550	489628.13, 3861458.47	6.84E-05	1.08E-08	4.23E-09	8.38E-05	1.32E-08	5.18E-09	7.34E-05	1.16E-08	4.55E-09
551	489678.13, 3861458.47	6.85E-05	1.08E-08	4.24E-09	8.38E-05	1.32E-08	5.19E-09	7.35E-05	1.16E-08	4.55E-09
552	489728.13, 3861458.47	6.84E-05	1.08E-08	4.24E-09	8.38E-05	1.32E-08	5.19E-09	7.35E-05	1.16E-08	4.55E-09
553	489528.13, 3861508.47	6.69E-05	1.05E-08	4.14E-09	8.19E-05	1.29E-08	5.07E-09	7.18E-05	1.13E-08	4.44E-09
554	489578.13, 3861508.47	6.70E-05	1.06E-08	4.14E-09	8.20E-05	1.29E-08	5.08E-09	7.19E-05	1.13E-08	4.45E-09
555	489628.13, 3861508.47	6.70E-05	1.06E-08	4.15E-09	8.21E-05	1.29E-08	5.08E-09	7.20E-05	1.13E-08	4.46E-09
556	489678.13, 3861508.47	6.71E-05	1.06E-08	4.15E-09	8.22E-05	1.29E-08	5.09E-09	7.21E-05	1.14E-08	4.46E-09
557	489728.13, 3861508.47	6.71E-05	1.06E-08	4.16E-09	8.22E-05	1.30E-08	5.09E-09	7.21E-05	1.14E-08	4.46E-09
558	489628.13, 3861558.47	6.59E-05	1.04E-08	4.08E-09	8.07E-05	1.27E-08	4.99E-09	7.08E-05	1.11E-08	4.38E-09
559	489678.13, 3861558.47	6.60E-05	1.04E-08	4.09E-09	8.08E-05	1.27E-08	5.00E-09	7.09E-05	1.12E-08	4.39E-09
560	489728.13, 3861558.47	6.61E-05	1.04E-08	4.09E-09	8.09E-05	1.27E-08	5.01E-09	7.09E-05	1.12E-08	4.39E-09
561	489357.08, 3861015.81	8.16E-05	1.29E-08	5.05E-09	9.99E-05	1.57E-08	6.18E-09	8.76E-05	1.38E-08	5.42E-09
562	489407.08, 3861015.81	8.15E-05	1.28E-08	5.05E-09	9.99E-05	1.57E-08	6.18E-09	8.76E-05	1.38E-08	5.42E-09
563	489457.08, 3861015.81	8.16E-05	1.29E-08	5.05E-09	9.99E-05	1.57E-08	6.18E-09	8.76E-05	1.38E-08	5.42E-09
564	489357.08, 3861065.81	7.99E-05	1.26E-08	4.95E-09	9.79E-05	1.54E-08	6.06E-09	8.59E-05	1.35E-08	5.31E-09
565	489407.08, 3861065.81	7.99E-05	1.26E-08	4.94E-09	9.78E-05	1.54E-08	6.06E-09	8.58E-05	1.35E-08	5.31E-09
566	489457.08, 3861065.81	7.99E-05	1.26E-08	4.95E-09	9.79E-05	1.54E-08	6.06E-09	8.59E-05	1.35E-08	5.31E-09
567	489357.08, 3861115.81	7.83E-05	1.23E-08	4.84E-09	9.59E-05	1.51E-08	5.93E-09	8.41E-05	1.32E-08	5.20E-09
568	489407.08, 3861115.81	7.84E-05	1.23E-08	4.85E-09	9.60E-05	1.51E-08	5.94E-09	8.42E-05	1.33E-08	5.21E-09
569	489457.08, 3861115.81	7.85E-05	1.24E-08	4.86E-09	9.61E-05	1.51E-08	5.95E-09	8.43E-05	1.33E-08	5.22E-09
570	489407.08, 3861165.81	7.69E-05	1.21E-08	4.76E-09	9.42E-05	1.48E-08	5.83E-09	8.26E-05	1.30E-08	5.11E-09
571	489457.08, 3861165.81	7.69E-05	1.21E-08	4.76E-09	9.42E-05	1.48E-08	5.83E-09	8.26E-05	1.30E-08	5.11E-09
572	489407.08, 3861215.81	7.50E-05	1.18E-08	4.64E-09	9.19E-05	1.45E-08	5.68E-09	8.06E-05	1.27E-08	4.99E-09
573	489457.08, 3861215.81	7.51E-05	1.18E-08	4.64E-09	9.19E-05	1.45E-08	5.69E-09	8.06E-05	1.27E-08	4.99E-09
574	489407.08, 3861265.81	7.31E-05	1.15E-08	4.53E-09	8.96E-05	1.41E-08	5.54E-09	7.86E-05	1.24E-08	4.86E-09
575	489457.08, 3861265.81	7.33E-05	1.15E-08	4.54E-09	8.98E-05	1.41E-08	5.56E-09	7.87E-05	1.24E-08	4.87E-09
576	489309.86, 3861110.14	7.83E-05	1.23E-08	4.84E-09	9.59E-05	1.51E-08	5.93E-09	8.41E-05	1.32E-08	5.20E-09
577	489407.08, 3861315.81	7.17E-05	1.13E-08	4.44E-09	8.78E-05	1.38E-08	5.43E-09	7.70E-05	1.21E-08	4.77E-09
578	489457.08, 3861315.81	7.19E-05	1.13E-08	4.45E-09	8.80E-05	1.39E-08	5.45E-09	7.72E-05	1.22E-08	4.78E-09
579	488906.03, 3861006.75	8.15E-05	1.28E-08	5.05E-09	9.99E-05	1.57E-08	6.18E-09	8.76E-05	1.38E-08	5.42E-09
580	488956.03, 3861006.75	8.19E-05	1.29E-08	5.07E-09	1.00E-04	1.58E-08	6.20E-09	8.79E-05	1.39E-08	5.44E-09
581	488904.24, 3861051.87	8.12E-05	1.28E-08	5.03E-09	9.95E-05	1.57E-08	6.16E-09	8.72E-05	1.37E-08	5.40E-09

582	488954.24, 3861051.87	8.07E-05	1.27E-08	5.00E-09	9.89E-05	1.56E-08	6.12E-09	8.67E-05	1.37E-08	5.37E-09
583	489004.24, 3861051.87	8.12E-05	1.28E-08	5.02E-09	9.94E-05	1.57E-08	6.15E-09	8.72E-05	1.37E-08	5.40E-09
584	488804.24, 3861101.87	7.89E-05	1.24E-08	4.88E-09	9.66E-05	1.52E-08	5.98E-09	8.47E-05	1.33E-08	5.24E-09
585	488854.24, 3861101.87	7.91E-05	1.25E-08	4.89E-09	9.69E-05	1.53E-08	6.00E-09	8.50E-05	1.34E-08	5.26E-09
586	488904.24, 3861101.87	7.82E-05	1.23E-08	4.84E-09	9.58E-05	1.51E-08	5.93E-09	8.40E-05	1.32E-08	5.20E-09
587	488954.24, 3861101.87	7.79E-05	1.23E-08	4.82E-09	9.55E-05	1.50E-08	5.91E-09	8.37E-05	1.32E-08	5.18E-09
588	489004.24, 3861101.87	7.81E-05	1.23E-08	4.83E-09	9.56E-05	1.51E-08	5.92E-09	8.38E-05	1.32E-08	5.19E-09
589	488804.24, 3861151.87	7.61E-05	1.20E-08	4.71E-09	9.32E-05	1.47E-08	5.77E-09	8.17E-05	1.29E-08	5.06E-09
590	488854.24, 3861151.87	7.59E-05	1.20E-08	4.70E-09	9.30E-05	1.46E-08	5.75E-09	8.15E-05	1.28E-08	5.05E-09
591	489129.49, 3861187.55	7.50E-05	1.18E-08	4.64E-09	9.19E-05	1.45E-08	5.69E-09	8.06E-05	1.27E-08	4.99E-09
592	489179.49, 3861187.55	7.51E-05	1.18E-08	4.65E-09	9.20E-05	1.45E-08	5.69E-09	8.07E-05	1.27E-08	4.99E-09
593	488804.24, 3861201.87	7.46E-05	1.17E-08	4.62E-09	9.13E-05	1.44E-08	5.65E-09	8.01E-05	1.26E-08	4.96E-09
594	488854.24, 3861201.87	7.42E-05	1.17E-08	4.59E-09	9.09E-05	1.43E-08	5.62E-09	7.97E-05	1.26E-08	4.93E-09
595	489129.49, 3861237.55	7.37E-05	1.16E-08	4.56E-09	9.02E-05	1.42E-08	5.59E-09	7.92E-05	1.25E-08	4.90E-09
596	489179.49, 3861237.55	7.36E-05	1.16E-08	4.55E-09	9.01E-05	1.42E-08	5.58E-09	7.91E-05	1.25E-08	4.89E-09
597	488804.24, 3861251.87	7.32E-05	1.15E-08	4.53E-09	8.97E-05	1.41E-08	5.55E-09	7.86E-05	1.24E-08	4.87E-09
598	488854.24, 3861251.87	7.28E-05	1.15E-08	4.50E-09	8.91E-05	1.40E-08	5.52E-09	7.82E-05	1.23E-08	4.84E-09
599	488804.24, 3861301.87	7.17E-05	1.13E-08	4.44E-09	8.78E-05	1.38E-08	5.43E-09	7.70E-05	1.21E-08	4.77E-09
600	488854.24, 3861301.87	7.14E-05	1.12E-08	4.42E-09	8.75E-05	1.38E-08	5.41E-09	7.67E-05	1.21E-08	4.75E-09
601	490943.5, 3860181.97	1.19E-04	1.87E-08	7.34E-09	1.45E-04	2.29E-08	8.99E-09	1.27E-04	2.01E-08	7.89E-09
602	490993.5, 3860181.97	1.18E-04	1.86E-08	7.32E-09	1.45E-04	2.28E-08	8.97E-09	1.27E-04	2.00E-08	7.87E-09
603	491043.5, 3860181.97	1.18E-04	1.86E-08	7.31E-09	1.45E-04	2.28E-08	8.95E-09	1.27E-04	2.00E-08	7.85E-09
604	491093.5, 3860181.97	1.18E-04	1.86E-08	7.29E-09	1.44E-04	2.27E-08	8.93E-09	1.27E-04	1.99E-08	7.83E-09
605	490943.5, 3860231.97	1.16E-04	1.82E-08	7.15E-09	1.41E-04	2.23E-08	8.76E-09	1.24E-04	1.95E-08	7.68E-09
606	490993.5, 3860231.97	1.15E-04	1.82E-08	7.14E-09	1.41E-04	2.23E-08	8.75E-09	1.24E-04	1.95E-08	7.67E-09
607	491043.5, 3860231.97	1.15E-04	1.81E-08	7.11E-09	1.41E-04	2.22E-08	8.71E-09	1.23E-04	1.94E-08	7.64E-09
608	491093.5, 3860231.97	1.14E-04	1.80E-08	7.09E-09	1.40E-04	2.21E-08	8.68E-09	1.23E-04	1.94E-08	7.61E-09
609	490943.5, 3860281.97	1.13E-04	1.78E-08	6.98E-09	1.38E-04	2.17E-08	8.54E-09	1.21E-04	1.91E-08	7.49E-09
610	490993.5, 3860281.97	1.12E-04	1.77E-08	6.96E-09	1.38E-04	2.17E-08	8.52E-09	1.21E-04	1.90E-08	7.47E-09
611	491043.5, 3860281.97	1.12E-04	1.76E-08	6.93E-09	1.37E-04	2.16E-08	8.49E-09	1.20E-04	1.89E-08	7.44E-09
612	491093.5, 3860281.97	1.12E-04	1.76E-08	6.90E-09	1.37E-04	2.15E-08	8.46E-09	1.20E-04	1.89E-08	7.41E-09
613	490943.5, 3860331.97	1.10E-04	1.74E-08	6.82E-09	1.35E-04	2.13E-08	8.35E-09	1.18E-04	1.86E-08	7.32E-09
614	490993.5, 3860331.97	1.10E-04	1.73E-08	6.78E-09	1.34E-04	2.11E-08	8.30E-09	1.18E-04	1.85E-08	7.28E-09
615	491043.5, 3860331.97	1.09E-04	1.72E-08	6.75E-09	1.34E-04	2.10E-08	8.27E-09	1.17E-04	1.85E-08	7.25E-09
616	491093.5, 3860331.97	1.09E-04	1.71E-08	6.72E-09	1.33E-04	2.10E-08	8.23E-09	1.17E-04	1.84E-08	7.22E-09
617	490086.72, 3859935.12	1.48E-04	2.33E-08	9.16E-09	1.81E-04	2.86E-08	1.12E-08	1.59E-04	2.51E-08	9.84E-09
618	490136.72, 3859935.12	1.47E-04	2.32E-08	9.10E-09	1.80E-04	2.84E-08	1.11E-08	1.58E-04	2.49E-08	9.78E-09
619	490186.72, 3859935.12	1.46E-04	2.30E-08	9.04E-09	1.79E-04	2.82E-08	1.11E-08	1.57E-04	2.47E-08	9.71E-09
620	490236.72, 3859935.12	1.45E-04	2.28E-08	8.98E-09	1.78E-04	2.80E-08	1.10E-08	1.56E-04	2.45E-08	9.64E-09
621	490286.72, 3859935.12	1.44E-04	2.27E-08	8.91E-09	1.76E-04	2.78E-08	1.09E-08	1.55E-04	2.44E-08	9.57E-09
622	490336.72, 3859935.12	1.43E-04	2.25E-08	8.86E-09	1.75E-04	2.76E-08	1.08E-08	1.54E-04	2.42E-08	9.51E-09
623	490386.72, 3859935.12	1.42E-04	2.24E-08	8.81E-09	1.74E-04	2.75E-08	1.08E-08	1.53E-04	2.41E-08	9.46E-09
624	490436.72, 3859935.12	1.42E-04	2.23E-08	8.77E-09	1.74E-04	2.73E-08	1.07E-08	1.52E-04	2.40E-08	9.42E-09
625	490486.72, 3859935.12	1.41E-04	2.22E-08	8.74E-09	1.73E-04	2.72E-08	1.07E-08	1.52E-04	2.39E-08	9.39E-09
626	490536.72, 3859935.12	1.41E-04	2.22E-08	8.74E-09	1.73E-04	2.72E-08	1.07E-08	1.52E-04	2.39E-08	9.38E-09
627	490586.72, 3859935.12	1.41E-04	2.23E-08	8.75E-09	1.73E-04	2.73E-08	1.07E-08	1.52E-04	2.39E-08	9.40E-09
628	490636.72, 3859935.12	1.41E-04	2.23E-08	8.74E-09	1.73E-04	2.73E-08	1.07E-08	1.52E-04	2.39E-08	9.39E-09
629	490686.72, 3859935.12	1.42E-04	2.23E-08	8.77E-09	1.74E-04	2.73E-08	1.07E-08	1.52E-04	2.40E-08	9.42E-09
630	490736.72, 3859935.12	1.42E-04	2.24E-08	8.78E-09	1.74E-04	2.74E-08	1.08E-08	1.52E-04	2.40E-08	9.43E-09
631	490086.72, 3859985.12	1.44E-04	2.27E-08	8.93E-09	1.77E-04	2.78E-08	1.09E-08	1.55E-04	2.44E-08	9.59E-09
632	490136.72, 3859985.12	1.43E-04	2.26E-08	8.87E-09	1.75E-04	2.76E-08	1.09E-08	1.54E-04	2.42E-08	9.52E-09
633	490186.72, 3859985.12	1.42E-04	2.24E-08	8.81E-09	1.74E-04	2.75E-08	1.08E-08	1.53E-04	2.41E-08	9.46E-09
634	490236.72, 3859985.12	1.42E-04	2.23E-08	8.76E-09	1.73E-04	2.73E-08	1.07E-08	1.52E-04	2.40E-08	9.41E-09
635	490286.72, 3859985.12	1.41E-04	2.21E-08	8.70E-09	1.72E-04	2.71E-08	1.07E-08	1.51E-04	2.38E-08	9.34E-09
636	490336.72, 3859985.12	1.40E-04	2.20E-08	8.64E-09	1.71E-04	2.69E-08	1.06E-08	1.50E-04	2.36E-08	9.28E-09
637	490386.72, 3859985.12	1.38E-04	2.18E-08	8.57E-09	1.70E-04	2.67E-08	1.05E-08	1.49E-04	2.34E-08	9.20E-09
638	490436.72, 3859985.12	1.38E-04	2.17E-08	8.52E-09	1.69E-04	2.66E-08	1.04E-08	1.48E-04	2.33E-08	9.15E-09
639	490486.72, 3859985.12	1.37E-04	2.16E-08	8.48E-09	1.68E-04	2.64E-08	1.04E-08	1.47E-04	2.32E-08	9.11E-09
640	490536.72, 3859985.12	1.37E-04	2.15E-08	8.46E-09	1.67E-04	2.64E-08	1.04E-08	1.47E-04	2.31E-08	9.08E-09
641	490586.72, 3859985.12	1.36E-04	2.15E-08	8.45E-09	1.67E-04	2.63E-08	1.03E-08	1.47E-04	2.31E-08	9.07E-09
642	490636.72, 3859985.12	1.37E-04	2.15E-08	8.45E-09	1.67E-04	2.63E-08	1.04E-08	1.47E-04	2.31E-08	9.08E-09
643	490686.72, 3859985.12	1.37E-04	2.16E-08	8.48E-09	1.68E-04	2.64E-08	1.04E-08	1.47E-04	2.32E-08	9.10E-09
644	490736.72, 3859985.12	1.37E-04	2.16E-08	8.47E-09	1.68E-04	2.64E-08	1.04E-08	1.47E-04	2.32E-08	9.09E-09
645	490786.72, 3859985.12	1.37E-04	2.15E-08	8.46E-09	1.67E-04	2.64E-08	1.04E-08	1.47E-04	2.31E-08	9.09E-09
646	490086.72, 3860035.12	1.41E-04	2.21E-08	8.70E-09	1.72E-04	2.71E-08	1.07E-08	1.51E-04	2.38E-08	9.34E-09

647	490136.72, 3860035.12	1.40E-04	2.20E-08	8.65E-09	1.71E-04	2.70E-08	1.06E-08	1.50E-04	2.36E-08	9.29E-09
648	490186.72, 3860035.12	1.39E-04	2.19E-08	8.59E-09	1.70E-04	2.68E-08	1.05E-08	1.49E-04	2.35E-08	9.23E-09
649	490236.72, 3860035.12	1.38E-04	2.17E-08	8.54E-09	1.69E-04	2.66E-08	1.05E-08	1.48E-04	2.33E-08	9.17E-09
650	490286.72, 3860035.12	1.37E-04	2.16E-08	8.48E-09	1.68E-04	2.64E-08	1.04E-08	1.47E-04	2.32E-08	9.10E-09
651	490336.72, 3860035.12	1.36E-04	2.14E-08	8.43E-09	1.67E-04	2.63E-08	1.03E-08	1.46E-04	2.30E-08	9.05E-09
652	490386.72, 3860035.12	1.35E-04	2.13E-08	8.36E-09	1.65E-04	2.61E-08	1.02E-08	1.45E-04	2.28E-08	8.98E-09
653	490436.72, 3860035.12	1.34E-04	2.11E-08	8.30E-09	1.64E-04	2.59E-08	1.02E-08	1.44E-04	2.27E-08	8.91E-09
654	490486.72, 3860035.12	1.33E-04	2.10E-08	8.25E-09	1.63E-04	2.57E-08	1.01E-08	1.43E-04	2.26E-08	8.86E-09
655	490536.72, 3860035.12	1.33E-04	2.09E-08	8.22E-09	1.63E-04	2.56E-08	1.01E-08	1.43E-04	2.25E-08	8.82E-09
656	490586.72, 3860035.12	1.32E-04	2.08E-08	8.19E-09	1.62E-04	2.55E-08	1.00E-08	1.42E-04	2.24E-08	8.79E-09
657	490636.72, 3860035.12	1.32E-04	2.08E-08	8.15E-09	1.61E-04	2.54E-08	9.99E-09	1.42E-04	2.23E-08	8.76E-09
658	490686.72, 3860035.12	1.32E-04	2.07E-08	8.15E-09	1.61E-04	2.54E-08	9.98E-09	1.41E-04	2.23E-08	8.75E-09
659	490736.72, 3860035.12	1.32E-04	2.08E-08	8.18E-09	1.62E-04	2.55E-08	1.00E-08	1.42E-04	2.24E-08	8.78E-09
660	490786.72, 3860035.12	1.32E-04	2.08E-08	8.17E-09	1.62E-04	2.55E-08	1.00E-08	1.42E-04	2.23E-08	8.77E-09
661	490836.72, 3860035.12	1.32E-04	2.08E-08	8.15E-09	1.61E-04	2.54E-08	9.99E-09	1.42E-04	2.23E-08	8.76E-09
662	490086.72, 3860085.12	1.37E-04	2.16E-08	8.50E-09	1.68E-04	2.65E-08	1.04E-08	1.48E-04	2.32E-08	9.13E-09
663	490136.72, 3860085.12	1.36E-04	2.15E-08	8.43E-09	1.67E-04	2.63E-08	1.03E-08	1.46E-04	2.30E-08	9.05E-09
664	490186.72, 3860085.12	1.36E-04	2.14E-08	8.39E-09	1.66E-04	2.62E-08	1.03E-08	1.46E-04	2.29E-08	9.02E-09
665	490236.72, 3860085.12	1.35E-04	2.12E-08	8.34E-09	1.65E-04	2.60E-08	1.02E-08	1.45E-04	2.28E-08	8.96E-09
666	490286.72, 3860085.12	1.34E-04	2.11E-08	8.28E-09	1.64E-04	2.58E-08	1.01E-08	1.44E-04	2.26E-08	8.90E-09
667	490336.72, 3860085.12	1.33E-04	2.09E-08	8.22E-09	1.63E-04	2.56E-08	1.01E-08	1.43E-04	2.25E-08	8.83E-09
668	490386.72, 3860085.12	1.32E-04	2.08E-08	8.16E-09	1.61E-04	2.54E-08	9.99E-09	1.42E-04	2.23E-08	8.76E-09
669	490436.72, 3860085.12	1.31E-04	2.06E-08	8.10E-09	1.60E-04	2.53E-08	9.92E-09	1.41E-04	2.21E-08	8.70E-09
670	490486.72, 3860085.12	1.30E-04	2.05E-08	8.04E-09	1.59E-04	2.51E-08	9.85E-09	1.40E-04	2.20E-08	8.64E-09
671	490536.72, 3860085.12	1.29E-04	2.04E-08	8.00E-09	1.58E-04	2.49E-08	9.80E-09	1.39E-04	2.19E-08	8.59E-09
672	490586.72, 3860085.12	1.29E-04	2.03E-08	7.96E-09	1.58E-04	2.48E-08	9.75E-09	1.38E-04	2.18E-08	8.55E-09
673	490636.72, 3860085.12	1.28E-04	2.02E-08	7.92E-09	1.57E-04	2.47E-08	9.70E-09	1.37E-04	2.17E-08	8.51E-09
674	490686.72, 3860085.12	1.28E-04	2.01E-08	7.90E-09	1.56E-04	2.46E-08	9.68E-09	1.37E-04	2.16E-08	8.49E-09
675	490736.72, 3860085.12	1.28E-04	2.01E-08	7.90E-09	1.56E-04	2.46E-08	9.67E-09	1.37E-04	2.16E-08	8.48E-09
676	490786.72, 3860085.12	1.28E-04	2.01E-08	7.89E-09	1.56E-04	2.46E-08	9.67E-09	1.37E-04	2.16E-08	8.48E-09
677	490836.72, 3860085.12	1.27E-04	2.01E-08	7.88E-09	1.56E-04	2.46E-08	9.65E-09	1.37E-04	2.15E-08	8.46E-09
678	490086.72, 3860135.12	1.33E-04	2.09E-08	8.23E-09	1.63E-04	2.56E-08	1.01E-08	1.43E-04	2.25E-08	8.83E-09
679	490136.72, 3860135.12	1.33E-04	2.09E-08	8.21E-09	1.62E-04	2.56E-08	1.01E-08	1.42E-04	2.24E-08	8.81E-09
680	490186.72, 3860135.12	1.32E-04	2.08E-08	8.18E-09	1.62E-04	2.55E-08	1.00E-08	1.42E-04	2.24E-08	8.78E-09
681	490236.72, 3860135.12	1.31E-04	2.07E-08	8.13E-09	1.61E-04	2.54E-08	9.96E-09	1.41E-04	2.22E-08	8.74E-09
682	490286.72, 3860135.12	1.31E-04	2.06E-08	8.09E-09	1.60E-04	2.52E-08	9.90E-09	1.40E-04	2.21E-08	8.68E-09
683	490336.72, 3860135.12	1.30E-04	2.04E-08	8.03E-09	1.59E-04	2.50E-08	9.84E-09	1.39E-04	2.20E-08	8.63E-09
684	490386.72, 3860135.12	1.29E-04	2.03E-08	7.97E-09	1.58E-04	2.49E-08	9.77E-09	1.38E-04	2.18E-08	8.56E-09
685	490436.72, 3860135.12	1.28E-04	2.01E-08	7.91E-09	1.57E-04	2.47E-08	9.69E-09	1.37E-04	2.16E-08	8.50E-09
686	490486.72, 3860135.12	1.27E-04	2.00E-08	7.85E-09	1.55E-04	2.45E-08	9.62E-09	1.36E-04	2.15E-08	8.44E-09
687	490536.72, 3860135.12	1.26E-04	1.99E-08	7.81E-09	1.55E-04	2.43E-08	9.56E-09	1.36E-04	2.13E-08	8.39E-09
688	490586.72, 3860135.12	1.25E-04	1.98E-08	7.76E-09	1.54E-04	2.42E-08	9.51E-09	1.35E-04	2.12E-08	8.34E-09
689	490636.72, 3860135.12	1.25E-04	1.96E-08	7.72E-09	1.53E-04	2.41E-08	9.45E-09	1.34E-04	2.11E-08	8.29E-09
690	490686.72, 3860135.12	1.24E-04	1.96E-08	7.68E-09	1.52E-04	2.39E-08	9.41E-09	1.33E-04	2.10E-08	8.25E-09
691	490736.72, 3860135.12	1.24E-04	1.95E-08	7.65E-09	1.51E-04	2.39E-08	9.38E-09	1.33E-04	2.09E-08	8.22E-09
692	490786.72, 3860135.12	1.24E-04	1.95E-08	7.65E-09	1.51E-04	2.38E-08	9.36E-09	1.33E-04	2.09E-08	8.21E-09
693	490836.72, 3860135.12	1.23E-04	1.94E-08	7.62E-09	1.51E-04	2.38E-08	9.33E-09	1.32E-04	2.08E-08	8.19E-09
694	490086.72, 3860185.12	1.29E-04	2.03E-08	7.99E-09	1.58E-04	2.49E-08	9.78E-09	1.39E-04	2.18E-08	8.58E-09
695	490136.72, 3860185.12	1.29E-04	2.03E-08	7.99E-09	1.58E-04	2.49E-08	9.78E-09	1.39E-04	2.18E-08	8.58E-09
696	490186.72, 3860185.12	1.29E-04	2.03E-08	7.97E-09	1.58E-04	2.48E-08	9.76E-09	1.38E-04	2.18E-08	8.56E-09
697	490236.72, 3860185.12	1.28E-04	2.02E-08	7.93E-09	1.57E-04	2.47E-08	9.72E-09	1.38E-04	2.17E-08	8.52E-09
698	490286.72, 3860185.12	1.28E-04	2.01E-08	7.89E-09	1.56E-04	2.46E-08	9.67E-09	1.37E-04	2.16E-08	8.48E-09
699	490336.72, 3860185.12	1.27E-04	2.00E-08	7.84E-09	1.55E-04	2.45E-08	9.61E-09	1.36E-04	2.14E-08	8.42E-09
700	490386.72, 3860185.12	1.26E-04	1.98E-08	7.79E-09	1.54E-04	2.43E-08	9.54E-09	1.35E-04	2.13E-08	8.37E-09
701	490436.72, 3860185.12	1.25E-04	1.97E-08	7.74E-09	1.53E-04	2.41E-08	9.48E-09	1.34E-04	2.12E-08	8.31E-09
702	490486.72, 3860185.12	1.24E-04	1.96E-08	7.68E-09	1.52E-04	2.39E-08	9.41E-09	1.33E-04	2.10E-08	8.25E-09
703	490536.72, 3860185.12	1.23E-04	1.94E-08	7.63E-09	1.51E-04	2.38E-08	9.35E-09	1.32E-04	2.09E-08	8.20E-09
704	490586.72, 3860185.12	1.23E-04	1.93E-08	7.59E-09	1.50E-04	2.37E-08	9.29E-09	1.32E-04	2.07E-08	8.15E-09
705	490636.72, 3860185.12	1.22E-04	1.92E-08	7.54E-09	1.49E-04	2.35E-08	9.23E-09	1.31E-04	2.06E-08	8.09E-09
706	490686.72, 3860185.12	1.21E-04	1.91E-08	7.50E-09	1.48E-04	2.34E-08	9.18E-09	1.30E-04	2.05E-08	8.05E-09
707	490736.72, 3860185.12	1.20E-04	1.90E-08	7.45E-09	1.47E-04	2.32E-08	9.13E-09	1.29E-04	2.04E-08	8.00E-09
708	490786.72, 3860185.12	1.20E-04	1.89E-08	7.42E-09	1.47E-04	2.31E-08	9.09E-09	1.29E-04	2.03E-08	7.97E-09
709	490836.72, 3860185.12	1.20E-04	1.88E-08	7.40E-09	1.46E-04	2.31E-08	9.06E-09	1.28E-04	2.02E-08	7.95E-09
710	490086.72, 3860235.12	1.26E-04	1.98E-08	7.77E-09	1.54E-04	2.42E-08	9.51E-09	1.35E-04	2.12E-08	8.34E-09
711	490136.72, 3860235.12	1.25E-04	1.98E-08	7.77E-09	1.54E-04	2.42E-08	9.51E-09	1.35E-04	2.12E-08	8.34E-09

712	490186.72, 3860235.12	1.25E-04	1.97E-08	7.76E-09	1.54E-04	2.42E-08	9.50E-09	1.35E-04	2.12E-08	8.33E-09
713	490236.72, 3860235.12	1.25E-04	1.97E-08	7.73E-09	1.53E-04	2.41E-08	9.47E-09	1.34E-04	2.11E-08	8.31E-09
714	490286.72, 3860235.12	1.24E-04	1.96E-08	7.70E-09	1.52E-04	2.40E-08	9.43E-09	1.34E-04	2.11E-08	8.27E-09
715	490336.72, 3860235.12	1.24E-04	1.95E-08	7.66E-09	1.52E-04	2.39E-08	9.39E-09	1.33E-04	2.10E-08	8.23E-09
716	490386.72, 3860235.12	1.23E-04	1.94E-08	7.62E-09	1.51E-04	2.38E-08	9.33E-09	1.32E-04	2.08E-08	8.18E-09
717	490436.72, 3860235.12	1.22E-04	1.93E-08	7.57E-09	1.50E-04	2.36E-08	9.28E-09	1.31E-04	2.07E-08	8.13E-09
718	490486.72, 3860235.12	1.22E-04	1.91E-08	7.52E-09	1.49E-04	2.34E-08	9.21E-09	1.30E-04	2.06E-08	8.08E-09
719	490536.72, 3860235.12	1.21E-04	1.90E-08	7.47E-09	1.48E-04	2.33E-08	9.15E-09	1.30E-04	2.04E-08	8.02E-09
720	490586.72, 3860235.12	1.20E-04	1.89E-08	7.42E-09	1.47E-04	2.31E-08	9.09E-09	1.29E-04	2.03E-08	7.97E-09
721	490636.72, 3860235.12	1.19E-04	1.88E-08	7.37E-09	1.46E-04	2.30E-08	9.03E-09	1.28E-04	2.02E-08	7.92E-09
722	490686.72, 3860235.12	1.18E-04	1.87E-08	7.33E-09	1.45E-04	2.28E-08	8.98E-09	1.27E-04	2.00E-08	7.87E-09
723	490736.72, 3860235.12	1.18E-04	1.85E-08	7.28E-09	1.44E-04	2.27E-08	8.92E-09	1.26E-04	1.99E-08	7.82E-09
724	490786.72, 3860235.12	1.17E-04	1.84E-08	7.24E-09	1.43E-04	2.26E-08	8.87E-09	1.26E-04	1.98E-08	7.78E-09
725	490086.72, 3860285.12	1.22E-04	1.92E-08	7.55E-09	1.49E-04	2.35E-08	9.24E-09	1.31E-04	2.06E-08	8.10E-09
726	490136.72, 3860285.12	1.22E-04	1.92E-08	7.55E-09	1.49E-04	2.35E-08	9.25E-09	1.31E-04	2.06E-08	8.11E-09
727	490186.72, 3860285.12	1.22E-04	1.92E-08	7.55E-09	1.49E-04	2.35E-08	9.24E-09	1.31E-04	2.06E-08	8.10E-09
728	490236.72, 3860285.12	1.22E-04	1.92E-08	7.54E-09	1.49E-04	2.35E-08	9.23E-09	1.31E-04	2.06E-08	8.10E-09
729	490286.72, 3860285.12	1.21E-04	1.91E-08	7.51E-09	1.49E-04	2.34E-08	9.20E-09	1.30E-04	2.05E-08	8.07E-09
730	490336.72, 3860285.12	1.21E-04	1.90E-08	7.48E-09	1.48E-04	2.33E-08	9.16E-09	1.30E-04	2.05E-08	8.03E-09
731	490386.72, 3860285.12	1.20E-04	1.90E-08	7.45E-09	1.47E-04	2.32E-08	9.12E-09	1.29E-04	2.04E-08	8.00E-09
732	490436.72, 3860285.12	1.20E-04	1.89E-08	7.41E-09	1.47E-04	2.31E-08	9.07E-09	1.29E-04	2.02E-08	7.96E-09
733	490486.72, 3860285.12	1.19E-04	1.87E-08	7.36E-09	1.46E-04	2.30E-08	9.02E-09	1.28E-04	2.01E-08	7.91E-09
734	490536.72, 3860285.12	1.18E-04	1.86E-08	7.31E-09	1.45E-04	2.28E-08	8.96E-09	1.27E-04	2.00E-08	7.85E-09
735	490586.72, 3860285.12	1.17E-04	1.85E-08	7.26E-09	1.44E-04	2.26E-08	8.89E-09	1.26E-04	1.98E-08	7.80E-09
736	490636.72, 3860285.12	1.17E-04	1.84E-08	7.22E-09	1.43E-04	2.25E-08	8.84E-09	1.25E-04	1.97E-08	7.75E-09
737	490686.72, 3860285.12	1.16E-04	1.83E-08	7.17E-09	1.42E-04	2.24E-08	8.78E-09	1.24E-04	1.96E-08	7.70E-09
738	490736.72, 3860285.12	1.15E-04	1.81E-08	7.13E-09	1.41E-04	2.22E-08	8.73E-09	1.24E-04	1.95E-08	7.65E-09
739	490786.72, 3860285.12	1.14E-04	1.80E-08	7.09E-09	1.40E-04	2.21E-08	8.68E-09	1.23E-04	1.94E-08	7.61E-09
740	490086.72, 3860335.12	1.18E-04	1.87E-08	7.33E-09	1.45E-04	2.28E-08	8.98E-09	1.27E-04	2.00E-08	7.87E-09
741	490136.72, 3860335.12	1.19E-04	1.87E-08	7.34E-09	1.45E-04	2.29E-08	8.99E-09	1.27E-04	2.01E-08	7.89E-09
742	490186.72, 3860335.12	1.19E-04	1.87E-08	7.34E-09	1.45E-04	2.29E-08	8.99E-09	1.27E-04	2.01E-08	7.88E-09
743	490236.72, 3860335.12	1.19E-04	1.87E-08	7.34E-09	1.45E-04	2.29E-08	8.99E-09	1.27E-04	2.01E-08	7.89E-09
744	490286.72, 3860335.12	1.18E-04	1.86E-08	7.33E-09	1.45E-04	2.28E-08	8.97E-09	1.27E-04	2.00E-08	7.87E-09
745	490336.72, 3860335.12	1.18E-04	1.86E-08	7.30E-09	1.45E-04	2.28E-08	8.94E-09	1.27E-04	2.00E-08	7.84E-09
746	490386.72, 3860335.12	1.18E-04	1.85E-08	7.28E-09	1.44E-04	2.27E-08	8.91E-09	1.26E-04	1.99E-08	7.81E-09
747	490436.72, 3860335.12	1.17E-04	1.84E-08	7.24E-09	1.43E-04	2.26E-08	8.87E-09	1.26E-04	1.98E-08	7.78E-09
748	490486.72, 3860335.12	1.16E-04	1.83E-08	7.20E-09	1.43E-04	2.25E-08	8.82E-09	1.25E-04	1.97E-08	7.74E-09
749	490536.72, 3860335.12	1.16E-04	1.82E-08	7.17E-09	1.42E-04	2.23E-08	8.78E-09	1.24E-04	1.96E-08	7.69E-09
750	490586.72, 3860335.12	1.15E-04	1.81E-08	7.12E-09	1.41E-04	2.22E-08	8.72E-09	1.23E-04	1.95E-08	7.64E-09
751	490636.72, 3860335.12	1.14E-04	1.80E-08	7.07E-09	1.40E-04	2.20E-08	8.66E-09	1.23E-04	1.93E-08	7.59E-09
752	490686.72, 3860335.12	1.14E-04	1.79E-08	7.02E-09	1.39E-04	2.19E-08	8.60E-09	1.22E-04	1.92E-08	7.54E-09
753	490736.72, 3860335.12	1.13E-04	1.78E-08	6.98E-09	1.38E-04	2.18E-08	8.55E-09	1.21E-04	1.91E-08	7.50E-09
754	490786.72, 3860335.12	1.12E-04	1.77E-08	6.94E-09	1.37E-04	2.16E-08	8.51E-09	1.20E-04	1.90E-08	7.46E-09
755	490086.72, 3860385.12	1.15E-04	1.81E-08	7.12E-09	1.41E-04	2.22E-08	8.72E-09	1.24E-04	1.95E-08	7.65E-09
756	490136.72, 3860385.12	1.15E-04	1.82E-08	7.14E-09	1.41E-04	2.23E-08	8.75E-09	1.24E-04	1.95E-08	7.67E-09
757	490186.72, 3860385.12	1.15E-04	1.82E-08	7.14E-09	1.41E-04	2.23E-08	8.74E-09	1.24E-04	1.95E-08	7.67E-09
758	490236.72, 3860385.12	1.15E-04	1.82E-08	7.14E-09	1.41E-04	2.23E-08	8.75E-09	1.24E-04	1.95E-08	7.67E-09
759	490286.72, 3860385.12	1.15E-04	1.82E-08	7.14E-09	1.41E-04	2.22E-08	8.74E-09	1.24E-04	1.95E-08	7.66E-09
760	490336.72, 3860385.12	1.15E-04	1.81E-08	7.12E-09	1.41E-04	2.22E-08	8.72E-09	1.24E-04	1.95E-08	7.65E-09
761	490386.72, 3860385.12	1.15E-04	1.81E-08	7.10E-09	1.41E-04	2.21E-08	8.70E-09	1.23E-04	1.94E-08	7.63E-09
762	490436.72, 3860385.12	1.14E-04	1.80E-08	7.08E-09	1.40E-04	2.21E-08	8.67E-09	1.23E-04	1.93E-08	7.60E-09
763	490486.72, 3860385.12	1.14E-04	1.79E-08	7.05E-09	1.40E-04	2.20E-08	8.63E-09	1.22E-04	1.93E-08	7.57E-09
764	490536.72, 3860385.12	1.13E-04	1.79E-08	7.02E-09	1.39E-04	2.19E-08	8.59E-09	1.22E-04	1.92E-08	7.53E-09
765	490586.72, 3860385.12	1.13E-04	1.78E-08	6.98E-09	1.38E-04	2.17E-08	8.54E-09	1.21E-04	1.91E-08	7.49E-09
766	490636.72, 3860385.12	1.12E-04	1.76E-08	6.93E-09	1.37E-04	2.16E-08	8.49E-09	1.20E-04	1.89E-08	7.44E-09
767	490686.72, 3860385.12	1.11E-04	1.75E-08	6.89E-09	1.36E-04	2.15E-08	8.44E-09	1.20E-04	1.88E-08	7.40E-09
768	490736.72, 3860385.12	1.11E-04	1.74E-08	6.84E-09	1.35E-04	2.13E-08	8.38E-09	1.19E-04	1.87E-08	7.35E-09
769	490786.72, 3860385.12	1.10E-04	1.73E-08	6.80E-09	1.35E-04	2.12E-08	8.33E-09	1.18E-04	1.86E-08	7.30E-09
770	490136.72, 3860435.12	1.12E-04	1.77E-08	6.94E-09	1.37E-04	2.16E-08	8.50E-09	1.20E-04	1.90E-08	7.45E-09
771	490186.72, 3860435.12	1.12E-04	1.77E-08	6.95E-09	1.38E-04	2.17E-08	8.51E-09	1.21E-04	1.90E-08	7.46E-09
772	490236.72, 3860435.12	1.12E-04	1.77E-08	6.95E-09	1.38E-04	2.17E-08	8.52E-09	1.21E-04	1.90E-08	7.47E-09
773	490286.72, 3860435.12	1.12E-04	1.77E-08	6.95E-09	1.38E-04	2.17E-08	8.51E-09	1.21E-04	1.90E-08	7.47E-09
774	490336.72, 3860435.12	1.12E-04	1.77E-08	6.94E-09	1.37E-04	2.16E-08	8.50E-09	1.20E-04	1.90E-08	7.45E-09
775	490386.72, 3860435.12	1.12E-04	1.76E-08	6.93E-09	1.37E-04	2.16E-08	8.49E-09	1.20E-04	1.89E-08	7.44E-09
776	490436.72, 3860435.12	1.12E-04	1.76E-08	6.91E-09	1.37E-04	2.16E-08	8.47E-09	1.20E-04	1.89E-08	7.42E-09

777	490486.72, 3860435.12	1.11E-04	1.75E-08	6.89E-09	1.36E-04	2.15E-08	8.44E-09	1.20E-04	1.88E-08	7.40E-09
778	490536.72, 3860435.12	1.11E-04	1.75E-08	6.86E-09	1.36E-04	2.14E-08	8.41E-09	1.19E-04	1.88E-08	7.37E-09
779	490586.72, 3860435.12	1.10E-04	1.74E-08	6.83E-09	1.35E-04	2.13E-08	8.36E-09	1.19E-04	1.87E-08	7.33E-09
780	490636.72, 3860435.12	1.10E-04	1.73E-08	6.79E-09	1.34E-04	2.12E-08	8.32E-09	1.18E-04	1.86E-08	7.29E-09
781	490686.72, 3860435.12	1.09E-04	1.72E-08	6.75E-09	1.34E-04	2.10E-08	8.27E-09	1.17E-04	1.85E-08	7.25E-09
782	490736.72, 3860435.12	1.08E-04	1.71E-08	6.71E-09	1.33E-04	2.09E-08	8.22E-09	1.16E-04	1.84E-08	7.21E-09
783	490786.72, 3860435.12	1.08E-04	1.70E-08	6.67E-09	1.32E-04	2.08E-08	8.17E-09	1.16E-04	1.82E-08	7.16E-09
784	490136.72, 3860485.12	1.09E-04	1.72E-08	6.75E-09	1.34E-04	2.11E-08	8.27E-09	1.17E-04	1.85E-08	7.25E-09
785	490186.72, 3860485.12	1.09E-04	1.72E-08	6.76E-09	1.34E-04	2.11E-08	8.28E-09	1.17E-04	1.85E-08	7.26E-09
786	490236.72, 3860485.12	1.09E-04	1.72E-08	6.77E-09	1.34E-04	2.11E-08	8.29E-09	1.17E-04	1.85E-08	7.27E-09
787	490286.72, 3860485.12	1.09E-04	1.72E-08	6.77E-09	1.34E-04	2.11E-08	8.29E-09	1.17E-04	1.85E-08	7.27E-09
788	490336.72, 3860485.12	1.09E-04	1.72E-08	6.77E-09	1.34E-04	2.11E-08	8.29E-09	1.17E-04	1.85E-08	7.27E-09
789	490386.72, 3860485.12	1.09E-04	1.72E-08	6.76E-09	1.34E-04	2.11E-08	8.28E-09	1.17E-04	1.85E-08	7.26E-09
790	490436.72, 3860485.12	1.09E-04	1.72E-08	6.76E-09	1.34E-04	2.11E-08	8.28E-09	1.17E-04	1.85E-08	7.26E-09
791	490486.72, 3860485.12	1.09E-04	1.71E-08	6.74E-09	1.33E-04	2.10E-08	8.25E-09	1.17E-04	1.84E-08	7.23E-09
792	490536.72, 3860485.12	1.08E-04	1.71E-08	6.71E-09	1.33E-04	2.09E-08	8.22E-09	1.16E-04	1.83E-08	7.21E-09
793	490586.72, 3860485.12	1.08E-04	1.70E-08	6.68E-09	1.32E-04	2.08E-08	8.19E-09	1.16E-04	1.83E-08	7.18E-09
794	490636.72, 3860485.12	1.08E-04	1.69E-08	6.65E-09	1.32E-04	2.07E-08	8.15E-09	1.15E-04	1.82E-08	7.15E-09
795	490686.72, 3860485.12	1.07E-04	1.68E-08	6.62E-09	1.31E-04	2.06E-08	8.10E-09	1.15E-04	1.81E-08	7.10E-09
796	490736.72, 3860485.12	1.06E-04	1.68E-08	6.58E-09	1.30E-04	2.05E-08	8.06E-09	1.14E-04	1.80E-08	7.07E-09
797	490786.72, 3860485.12	1.06E-04	1.67E-08	6.54E-09	1.29E-04	2.04E-08	8.01E-09	1.14E-04	1.79E-08	7.03E-09
798	490136.72, 3860535.12	1.06E-04	1.67E-08	6.58E-09	1.30E-04	2.05E-08	8.05E-09	1.14E-04	1.80E-08	7.06E-09
799	490186.72, 3860535.12	1.07E-04	1.68E-08	6.60E-09	1.31E-04	2.06E-08	8.08E-09	1.15E-04	1.80E-08	7.09E-09
800	490236.72, 3860535.12	1.06E-04	1.68E-08	6.59E-09	1.30E-04	2.05E-08	8.07E-09	1.14E-04	1.80E-08	7.08E-09
801	490286.72, 3860535.12	1.06E-04	1.68E-08	6.59E-09	1.30E-04	2.05E-08	8.07E-09	1.14E-04	1.80E-08	7.08E-09
802	490336.72, 3860535.12	1.07E-04	1.68E-08	6.59E-09	1.30E-04	2.06E-08	8.08E-09	1.14E-04	1.80E-08	7.08E-09
803	490386.72, 3860535.12	1.07E-04	1.68E-08	6.60E-09	1.31E-04	2.06E-08	8.08E-09	1.14E-04	1.80E-08	7.09E-09
804	490436.72, 3860535.12	1.07E-04	1.68E-08	6.60E-09	1.31E-04	2.06E-08	8.08E-09	1.14E-04	1.80E-08	7.09E-09
805	490486.72, 3860535.12	1.06E-04	1.68E-08	6.59E-09	1.30E-04	2.05E-08	8.07E-09	1.14E-04	1.80E-08	7.08E-09
806	490536.72, 3860535.12	1.07E-04	1.68E-08	6.59E-09	1.30E-04	2.05E-08	8.07E-09	1.14E-04	1.80E-08	7.08E-09
807	490586.72, 3860535.12	1.06E-04	1.67E-08	6.55E-09	1.30E-04	2.04E-08	8.02E-09	1.14E-04	1.79E-08	7.03E-09
808	490636.72, 3860535.12	1.05E-04	1.66E-08	6.52E-09	1.29E-04	2.03E-08	7.98E-09	1.13E-04	1.78E-08	7.00E-09
809	490686.72, 3860535.12	1.05E-04	1.65E-08	6.49E-09	1.28E-04	2.02E-08	7.95E-09	1.13E-04	1.77E-08	6.97E-09
810	490736.72, 3860535.12	1.04E-04	1.64E-08	6.45E-09	1.28E-04	2.01E-08	7.90E-09	1.12E-04	1.76E-08	6.93E-09
811	490786.72, 3860535.12	1.04E-04	1.63E-08	6.42E-09	1.27E-04	2.00E-08	7.86E-09	1.11E-04	1.75E-08	6.89E-09
812	490136.72, 3860585.12	1.04E-04	1.63E-08	6.42E-09	1.27E-04	2.00E-08	7.86E-09	1.11E-04	1.75E-08	6.89E-09
813	490186.72, 3860585.12	1.03E-04	1.63E-08	6.39E-09	1.26E-04	1.99E-08	7.82E-09	1.11E-04	1.75E-08	6.86E-09
814	490236.72, 3860585.12	1.04E-04	1.63E-08	6.41E-09	1.27E-04	2.00E-08	7.85E-09	1.11E-04	1.75E-08	6.88E-09
815	490286.72, 3860585.12	1.04E-04	1.63E-08	6.42E-09	1.27E-04	2.00E-08	7.86E-09	1.11E-04	1.76E-08	6.90E-09
816	490336.72, 3860585.12	1.04E-04	1.64E-08	6.43E-09	1.27E-04	2.00E-08	7.87E-09	1.12E-04	1.76E-08	6.90E-09
817	490386.72, 3860585.12	1.04E-04	1.64E-08	6.43E-09	1.27E-04	2.00E-08	7.87E-09	1.12E-04	1.76E-08	6.90E-09
818	490436.72, 3860585.12	1.04E-04	1.64E-08	6.45E-09	1.28E-04	2.01E-08	7.90E-09	1.12E-04	1.76E-08	6.92E-09
819	490486.72, 3860585.12	1.04E-04	1.64E-08	6.46E-09	1.28E-04	2.01E-08	7.91E-09	1.12E-04	1.77E-08	6.94E-09
820	490536.72, 3860585.12	1.04E-04	1.64E-08	6.44E-09	1.28E-04	2.01E-08	7.89E-09	1.12E-04	1.76E-08	6.92E-09
821	490586.72, 3860585.12	1.03E-04	1.63E-08	6.40E-09	1.27E-04	1.99E-08	7.83E-09	1.11E-04	1.75E-08	6.87E-09
822	490636.72, 3860585.12	1.03E-04	1.62E-08	6.38E-09	1.26E-04	1.99E-08	7.81E-09	1.11E-04	1.74E-08	6.85E-09
823	490686.72, 3860585.12	1.03E-04	1.62E-08	6.35E-09	1.26E-04	1.98E-08	7.78E-09	1.10E-04	1.74E-08	6.82E-09
824	490736.72, 3860585.12	1.02E-04	1.61E-08	6.33E-09	1.25E-04	1.97E-08	7.75E-09	1.10E-04	1.73E-08	6.79E-09
825	490786.72, 3860585.12	1.02E-04	1.60E-08	6.29E-09	1.25E-04	1.96E-08	7.71E-09	1.09E-04	1.72E-08	6.76E-09
826	490136.72, 3860635.12	1.01E-04	1.60E-08	6.28E-09	1.24E-04	1.96E-08	7.69E-09	1.09E-04	1.72E-08	6.74E-09
827	490186.72, 3860635.12	1.01E-04	1.59E-08	6.26E-09	1.24E-04	1.95E-08	7.67E-09	1.09E-04	1.71E-08	6.73E-09
828	490236.72, 3860635.12	1.01E-04	1.59E-08	6.25E-09	1.24E-04	1.95E-08	7.65E-09	1.08E-04	1.71E-08	6.71E-09
829	490286.72, 3860635.12	1.01E-04	1.59E-08	6.25E-09	1.24E-04	1.95E-08	7.65E-09	1.08E-04	1.71E-08	6.71E-09
830	490336.72, 3860635.12	1.01E-04	1.59E-08	6.26E-09	1.24E-04	1.95E-08	7.67E-09	1.09E-04	1.71E-08	6.72E-09
831	490386.72, 3860635.12	1.01E-04	1.60E-08	6.27E-09	1.24E-04	1.95E-08	7.67E-09	1.09E-04	1.71E-08	6.73E-09
832	490436.72, 3860635.12	1.01E-04	1.60E-08	6.27E-09	1.24E-04	1.95E-08	7.68E-09	1.09E-04	1.71E-08	6.73E-09
833	490486.72, 3860635.12	1.01E-04	1.60E-08	6.27E-09	1.24E-04	1.96E-08	7.68E-09	1.09E-04	1.71E-08	6.73E-09
834	490536.72, 3860635.12	1.01E-04	1.60E-08	6.28E-09	1.24E-04	1.96E-08	7.69E-09	1.09E-04	1.72E-08	6.74E-09
835	490586.72, 3860635.12	1.01E-04	1.59E-08	6.26E-09	1.24E-04	1.95E-08	7.66E-09	1.09E-04	1.71E-08	6.72E-09
836	490636.72, 3860635.12	1.01E-04	1.59E-08	6.24E-09	1.24E-04	1.95E-08	7.65E-09	1.08E-04	1.71E-08	6.71E-09
837	490686.72, 3860635.12	1.01E-04	1.58E-08	6.23E-09	1.23E-04	1.94E-08	7.63E-09	1.08E-04	1.70E-08	6.69E-09
838	490736.72, 3860635.12	1.00E-04	1.58E-08	6.20E-09	1.23E-04	1.93E-08	7.59E-09	1.08E-04	1.69E-08	6.66E-09
839	490786.72, 3860635.12	9.97E-05	1.57E-08	6.17E-09	1.22E-04	1.92E-08	7.56E-09	1.07E-04	1.69E-08	6.63E-09
840	490136.72, 3860685.12	9.87E-05	1.55E-08	6.11E-09	1.21E-04	1.90E-08	7.48E-09	1.06E-04	1.67E-08	6.56E-09
841	490186.72, 3860685.12	9.93E-05	1.56E-08	6.15E-09	1.22E-04	1.92E-08	7.53E-09	1.07E-04	1.68E-08	6.60E-09

842	490236.72, 3860685.12	9.89E-05	1.56E-08	6.12E-09	1.21E-04	1.91E-08	7.49E-09	1.06E-04	1.67E-08	6.57E-09
843	490286.72, 3860685.12	9.83E-05	1.55E-08	6.08E-09	1.20E-04	1.90E-08	7.45E-09	1.06E-04	1.66E-08	6.53E-09
844	490336.72, 3860685.12	9.86E-05	1.55E-08	6.10E-09	1.21E-04	1.90E-08	7.47E-09	1.06E-04	1.67E-08	6.55E-09
845	490386.72, 3860685.12	9.87E-05	1.56E-08	6.11E-09	1.21E-04	1.90E-08	7.48E-09	1.06E-04	1.67E-08	6.56E-09
846	490436.72, 3860685.12	9.87E-05	1.56E-08	6.11E-09	1.21E-04	1.90E-08	7.48E-09	1.06E-04	1.67E-08	6.56E-09
847	490486.72, 3860685.12	9.87E-05	1.55E-08	6.11E-09	1.21E-04	1.90E-08	7.48E-09	1.06E-04	1.67E-08	6.56E-09
848	490536.72, 3860685.12	9.87E-05	1.56E-08	6.11E-09	1.21E-04	1.90E-08	7.48E-09	1.06E-04	1.67E-08	6.56E-09
849	490586.72, 3860685.12	9.87E-05	1.55E-08	6.11E-09	1.21E-04	1.90E-08	7.48E-09	1.06E-04	1.67E-08	6.56E-09
850	490636.72, 3860685.12	9.87E-05	1.55E-08	6.11E-09	1.21E-04	1.90E-08	7.48E-09	1.06E-04	1.67E-08	6.56E-09
851	490686.72, 3860685.12	9.85E-05	1.55E-08	6.10E-09	1.21E-04	1.90E-08	7.47E-09	1.06E-04	1.67E-08	6.55E-09
852	490736.72, 3860685.12	9.82E-05	1.55E-08	6.08E-09	1.20E-04	1.90E-08	7.45E-09	1.05E-04	1.66E-08	6.53E-09
853	490786.72, 3860685.12	9.80E-05	1.54E-08	6.07E-09	1.20E-04	1.89E-08	7.43E-09	1.05E-04	1.66E-08	6.51E-09
854	490136.72, 3860735.12	9.56E-05	1.51E-08	5.92E-09	1.17E-04	1.84E-08	7.25E-09	1.03E-04	1.62E-08	6.36E-09
855	490186.72, 3860735.12	9.56E-05	1.51E-08	5.92E-09	1.17E-04	1.84E-08	7.25E-09	1.03E-04	1.62E-08	6.35E-09
856	490236.72, 3860735.12	9.57E-05	1.51E-08	5.92E-09	1.17E-04	1.85E-08	7.25E-09	1.03E-04	1.62E-08	6.36E-09
857	490286.72, 3860735.12	9.59E-05	1.51E-08	5.93E-09	1.17E-04	1.85E-08	7.27E-09	1.03E-04	1.62E-08	6.37E-09
858	490336.72, 3860735.12	9.60E-05	1.51E-08	5.94E-09	1.18E-04	1.85E-08	7.28E-09	1.03E-04	1.62E-08	6.38E-09
859	490386.72, 3860735.12	9.62E-05	1.52E-08	5.95E-09	1.18E-04	1.86E-08	7.29E-09	1.03E-04	1.63E-08	6.39E-09
860	490436.72, 3860735.12	9.66E-05	1.52E-08	5.98E-09	1.18E-04	1.86E-08	7.32E-09	1.04E-04	1.63E-08	6.42E-09
861	490486.72, 3860735.12	9.65E-05	1.52E-08	5.97E-09	1.18E-04	1.86E-08	7.32E-09	1.04E-04	1.63E-08	6.42E-09
862	490536.72, 3860735.12	9.63E-05	1.52E-08	5.96E-09	1.18E-04	1.86E-08	7.30E-09	1.03E-04	1.63E-08	6.40E-09
863	490586.72, 3860735.12	9.62E-05	1.52E-08	5.96E-09	1.18E-04	1.86E-08	7.29E-09	1.03E-04	1.63E-08	6.40E-09
864	490636.72, 3860735.12	9.62E-05	1.52E-08	5.95E-09	1.18E-04	1.86E-08	7.29E-09	1.03E-04	1.63E-08	6.39E-09
865	490686.72, 3860735.12	9.63E-05	1.52E-08	5.96E-09	1.18E-04	1.86E-08	7.30E-09	1.03E-04	1.63E-08	6.40E-09
866	490736.72, 3860735.12	9.63E-05	1.52E-08	5.96E-09	1.18E-04	1.86E-08	7.30E-09	1.03E-04	1.63E-08	6.40E-09
867	490136.72, 3860785.12	9.29E-05	1.46E-08	5.75E-09	1.14E-04	1.79E-08	7.04E-09	9.98E-05	1.57E-08	6.17E-09
868	490186.72, 3860785.12	9.30E-05	1.47E-08	5.76E-09	1.14E-04	1.80E-08	7.05E-09	9.99E-05	1.57E-08	6.18E-09
869	490236.72, 3860785.12	9.32E-05	1.47E-08	5.77E-09	1.14E-04	1.80E-08	7.06E-09	1.00E-04	1.58E-08	6.19E-09
870	490286.72, 3860785.12	9.33E-05	1.47E-08	5.77E-09	1.14E-04	1.80E-08	7.07E-09	1.00E-04	1.58E-08	6.20E-09
871	490336.72, 3860785.12	9.34E-05	1.47E-08	5.78E-09	1.14E-04	1.80E-08	7.08E-09	1.00E-04	1.58E-08	6.21E-09
872	490386.72, 3860785.12	9.38E-05	1.48E-08	5.80E-09	1.15E-04	1.81E-08	7.11E-09	1.01E-04	1.59E-08	6.23E-09
873	490436.72, 3860785.12	9.39E-05	1.48E-08	5.81E-09	1.15E-04	1.81E-08	7.12E-09	1.01E-04	1.59E-08	6.24E-09
874	490486.72, 3860785.12	9.42E-05	1.48E-08	5.83E-09	1.15E-04	1.82E-08	7.14E-09	1.01E-04	1.59E-08	6.26E-09
875	490536.72, 3860785.12	9.41E-05	1.48E-08	5.82E-09	1.15E-04	1.82E-08	7.13E-09	1.01E-04	1.59E-08	6.25E-09
876	490586.72, 3860785.12	9.38E-05	1.48E-08	5.81E-09	1.15E-04	1.81E-08	7.11E-09	1.01E-04	1.59E-08	6.24E-09
877	490636.72, 3860785.12	9.38E-05	1.48E-08	5.81E-09	1.15E-04	1.81E-08	7.11E-09	1.01E-04	1.59E-08	6.24E-09
878	490686.72, 3860785.12	9.39E-05	1.48E-08	5.81E-09	1.15E-04	1.81E-08	7.12E-09	1.01E-04	1.59E-08	6.24E-09
879	490736.72, 3860785.12	9.40E-05	1.48E-08	5.82E-09	1.15E-04	1.81E-08	7.12E-09	1.01E-04	1.59E-08	6.24E-09
880	490086.72, 3860835.12	9.04E-05	1.42E-08	5.60E-09	1.11E-04	1.74E-08	6.85E-09	9.71E-05	1.53E-08	6.01E-09
881	490136.72, 3860835.12	9.07E-05	1.43E-08	5.61E-09	1.11E-04	1.75E-08	6.87E-09	9.74E-05	1.53E-08	6.03E-09
882	490186.72, 3860835.12	9.07E-05	1.43E-08	5.61E-09	1.11E-04	1.75E-08	6.87E-09	9.74E-05	1.53E-08	6.03E-09
883	490236.72, 3860835.12	9.08E-05	1.43E-08	5.62E-09	1.11E-04	1.75E-08	6.88E-09	9.75E-05	1.54E-08	6.03E-09
884	490286.72, 3860835.12	9.09E-05	1.43E-08	5.63E-09	1.11E-04	1.75E-08	6.89E-09	9.77E-05	1.54E-08	6.04E-09
885	490336.72, 3860835.12	9.10E-05	1.43E-08	5.63E-09	1.11E-04	1.76E-08	6.90E-09	9.78E-05	1.54E-08	6.05E-09
886	490386.72, 3860835.12	9.12E-05	1.44E-08	5.64E-09	1.12E-04	1.76E-08	6.91E-09	9.79E-05	1.54E-08	6.06E-09
887	490436.72, 3860835.12	9.14E-05	1.44E-08	5.66E-09	1.12E-04	1.76E-08	6.93E-09	9.82E-05	1.55E-08	6.08E-09
888	490486.72, 3860835.12	9.16E-05	1.44E-08	5.67E-09	1.12E-04	1.77E-08	6.94E-09	9.84E-05	1.55E-08	6.09E-09
889	490536.72, 3860835.12	9.17E-05	1.44E-08	5.68E-09	1.12E-04	1.77E-08	6.95E-09	9.85E-05	1.55E-08	6.09E-09
890	490586.72, 3860835.12	9.17E-05	1.44E-08	5.67E-09	1.12E-04	1.77E-08	6.95E-09	9.84E-05	1.55E-08	6.09E-09
891	490636.72, 3860835.12	9.16E-05	1.44E-08	5.67E-09	1.12E-04	1.77E-08	6.94E-09	9.84E-05	1.55E-08	6.09E-09
892	490686.72, 3860835.12	9.17E-05	1.44E-08	5.67E-09	1.12E-04	1.77E-08	6.95E-09	9.85E-05	1.55E-08	6.09E-09
893	490736.72, 3860835.12	9.18E-05	1.45E-08	5.68E-09	1.12E-04	1.77E-08	6.96E-09	9.86E-05	1.55E-08	6.10E-09
894	490086.72, 3860885.12	8.83E-05	1.39E-08	5.47E-09	1.08E-04	1.70E-08	6.69E-09	9.48E-05	1.49E-08	5.87E-09
895	490136.72, 3860885.12	8.84E-05	1.39E-08	5.47E-09	1.08E-04	1.71E-08	6.70E-09	9.50E-05	1.50E-08	5.88E-09
896	490186.72, 3860885.12	8.85E-05	1.39E-08	5.48E-09	1.08E-04	1.71E-08	6.71E-09	9.51E-05	1.50E-08	5.88E-09
897	490236.72, 3860885.12	8.86E-05	1.40E-08	5.48E-09	1.09E-04	1.71E-08	6.72E-09	9.52E-05	1.50E-08	5.89E-09
898	490286.72, 3860885.12	8.87E-05	1.40E-08	5.49E-09	1.09E-04	1.71E-08	6.72E-09	9.53E-05	1.50E-08	5.90E-09
899	490336.72, 3860885.12	8.88E-05	1.40E-08	5.49E-09	1.09E-04	1.71E-08	6.73E-09	9.53E-05	1.50E-08	5.90E-09
900	490386.72, 3860885.12	8.89E-05	1.40E-08	5.50E-09	1.09E-04	1.72E-08	6.74E-09	9.55E-05	1.50E-08	5.91E-09
901	490436.72, 3860885.12	8.92E-05	1.40E-08	5.52E-09	1.09E-04	1.72E-08	6.76E-09	9.58E-05	1.51E-08	5.93E-09
902	490486.72, 3860885.12	8.93E-05	1.41E-08	5.53E-09	1.09E-04	1.72E-08	6.77E-09	9.59E-05	1.51E-08	5.94E-09
903	490536.72, 3860885.12	8.94E-05	1.41E-08	5.54E-09	1.10E-04	1.73E-08	6.78E-09	9.60E-05	1.51E-08	5.94E-09
904	490586.72, 3860885.12	8.95E-05	1.41E-08	5.54E-09	1.10E-04	1.73E-08	6.78E-09	9.61E-05	1.51E-08	5.95E-09
905	490636.72, 3860885.12	8.95E-05	1.41E-08	5.54E-09	1.10E-04	1.73E-08	6.78E-09	9.61E-05	1.51E-08	5.95E-09
906	490686.72, 3860885.12	8.95E-05	1.41E-08	5.54E-09	1.10E-04	1.73E-08	6.78E-09	9.61E-05	1.51E-08	5.95E-09

907	490736.72, 3860885.12	8.95E-05	1.41E-08	5.54E-09	1.10E-04	1.73E-08	6.79E-09	9.62E-05	1.51E-08	5.95E-09
908	490086.72, 3860935.12	8.61E-05	1.36E-08	5.33E-09	1.06E-04	1.66E-08	6.53E-09	9.25E-05	1.46E-08	5.73E-09
909	490136.72, 3860935.12	8.61E-05	1.36E-08	5.33E-09	1.06E-04	1.66E-08	6.53E-09	9.25E-05	1.46E-08	5.73E-09
910	490186.72, 3860935.12	8.63E-05	1.36E-08	5.34E-09	1.06E-04	1.67E-08	6.54E-09	9.27E-05	1.46E-08	5.74E-09
911	490236.72, 3860935.12	8.65E-05	1.36E-08	5.35E-09	1.06E-04	1.67E-08	6.55E-09	9.28E-05	1.46E-08	5.75E-09
912	490286.72, 3860935.12	8.66E-05	1.36E-08	5.36E-09	1.06E-04	1.67E-08	6.57E-09	9.30E-05	1.47E-08	5.76E-09
913	490336.72, 3860935.12	8.66E-05	1.36E-08	5.36E-09	1.06E-04	1.67E-08	6.57E-09	9.30E-05	1.47E-08	5.76E-09
914	490386.72, 3860935.12	8.68E-05	1.37E-08	5.37E-09	1.06E-04	1.68E-08	6.58E-09	9.33E-05	1.47E-08	5.77E-09
915	490436.72, 3860935.12	8.70E-05	1.37E-08	5.39E-09	1.07E-04	1.68E-08	6.60E-09	9.35E-05	1.47E-08	5.79E-09
916	490486.72, 3860935.12	8.71E-05	1.37E-08	5.39E-09	1.07E-04	1.68E-08	6.61E-09	9.36E-05	1.47E-08	5.79E-09
917	490536.72, 3860935.12	8.73E-05	1.38E-08	5.40E-09	1.07E-04	1.68E-08	6.62E-09	9.37E-05	1.48E-08	5.80E-09
918	490586.72, 3860935.12	8.73E-05	1.38E-08	5.40E-09	1.07E-04	1.69E-08	6.62E-09	9.38E-05	1.48E-08	5.80E-09
919	490636.72, 3860935.12	8.74E-05	1.38E-08	5.41E-09	1.07E-04	1.69E-08	6.62E-09	9.38E-05	1.48E-08	5.81E-09
920	490686.72, 3860935.12	8.74E-05	1.38E-08	5.41E-09	1.07E-04	1.69E-08	6.63E-09	9.39E-05	1.48E-08	5.81E-09
921	490736.72, 3860935.12	8.75E-05	1.38E-08	5.41E-09	1.07E-04	1.69E-08	6.63E-09	9.39E-05	1.48E-08	5.81E-09
922	490786.72, 3860935.12	8.75E-05	1.38E-08	5.42E-09	1.07E-04	1.69E-08	6.63E-09	9.40E-05	1.48E-08	5.82E-09
923	490836.72, 3860935.12	8.76E-05	1.38E-08	5.42E-09	1.07E-04	1.69E-08	6.64E-09	9.41E-05	1.48E-08	5.82E-09
924	490086.72, 3860985.12	8.42E-05	1.33E-08	5.21E-09	1.03E-04	1.62E-08	6.38E-09	9.04E-05	1.42E-08	5.59E-09
925	490136.72, 3860985.12	8.43E-05	1.33E-08	5.21E-09	1.03E-04	1.63E-08	6.39E-09	9.05E-05	1.43E-08	5.60E-09
926	490186.72, 3860985.12	8.44E-05	1.33E-08	5.23E-09	1.03E-04	1.63E-08	6.40E-09	9.07E-05	1.43E-08	5.61E-09
927	490236.72, 3860985.12	8.44E-05	1.33E-08	5.23E-09	1.03E-04	1.63E-08	6.40E-09	9.07E-05	1.43E-08	5.61E-09
928	490286.72, 3860985.12	8.45E-05	1.33E-08	5.23E-09	1.04E-04	1.63E-08	6.41E-09	9.08E-05	1.43E-08	5.62E-09
929	490336.72, 3860985.12	8.46E-05	1.33E-08	5.24E-09	1.04E-04	1.63E-08	6.41E-09	9.09E-05	1.43E-08	5.63E-09
930	490386.72, 3860985.12	8.48E-05	1.34E-08	5.25E-09	1.04E-04	1.64E-08	6.43E-09	9.10E-05	1.43E-08	5.63E-09
931	490436.72, 3860985.12	8.50E-05	1.34E-08	5.26E-09	1.04E-04	1.64E-08	6.45E-09	9.13E-05	1.44E-08	5.65E-09
932	490486.72, 3860985.12	8.51E-05	1.34E-08	5.27E-09	1.04E-04	1.64E-08	6.45E-09	9.14E-05	1.44E-08	5.66E-09
933	490536.72, 3860985.12	8.52E-05	1.34E-08	5.27E-09	1.04E-04	1.64E-08	6.46E-09	9.15E-05	1.44E-08	5.66E-09
934	490586.72, 3860985.12	8.52E-05	1.34E-08	5.28E-09	1.04E-04	1.64E-08	6.46E-09	9.15E-05	1.44E-08	5.67E-09
935	490636.72, 3860985.12	8.54E-05	1.34E-08	5.28E-09	1.05E-04	1.65E-08	6.47E-09	9.17E-05	1.44E-08	5.67E-09
936	490686.72, 3860985.12	8.54E-05	1.35E-08	5.29E-09	1.05E-04	1.65E-08	6.47E-09	9.17E-05	1.45E-08	5.68E-09
937	490736.72, 3860985.12	8.54E-05	1.35E-08	5.29E-09	1.05E-04	1.65E-08	6.48E-09	9.18E-05	1.45E-08	5.68E-09
938	490786.72, 3860985.12	8.55E-05	1.35E-08	5.29E-09	1.05E-04	1.65E-08	6.48E-09	9.18E-05	1.45E-08	5.68E-09
939	490836.72, 3860985.12	8.56E-05	1.35E-08	5.30E-09	1.05E-04	1.65E-08	6.49E-09	9.20E-05	1.45E-08	5.69E-09
940	490086.72, 3861035.12	8.23E-05	1.30E-08	5.09E-09	1.01E-04	1.59E-08	6.24E-09	8.83E-05	1.39E-08	5.47E-09
941	490136.72, 3861035.12	8.24E-05	1.30E-08	5.10E-09	1.01E-04	1.59E-08	6.24E-09	8.85E-05	1.39E-08	5.47E-09
942	490186.72, 3861035.12	8.24E-05	1.30E-08	5.10E-09	1.01E-04	1.59E-08	6.25E-09	8.85E-05	1.39E-08	5.48E-09
943	490236.72, 3861035.12	8.26E-05	1.30E-08	5.11E-09	1.01E-04	1.59E-08	6.26E-09	8.87E-05	1.40E-08	5.49E-09
944	490286.72, 3861035.12	8.26E-05	1.30E-08	5.11E-09	1.01E-04	1.59E-08	6.26E-09	8.87E-05	1.40E-08	5.49E-09
945	490336.72, 3861035.12	8.26E-05	1.30E-08	5.11E-09	1.01E-04	1.59E-08	6.26E-09	8.88E-05	1.40E-08	5.49E-09
946	490386.72, 3861035.12	8.29E-05	1.31E-08	5.13E-09	1.01E-04	1.60E-08	6.28E-09	8.90E-05	1.40E-08	5.51E-09
947	490436.72, 3861035.12	8.31E-05	1.31E-08	5.14E-09	1.02E-04	1.60E-08	6.30E-09	8.92E-05	1.41E-08	5.52E-09
948	490486.72, 3861035.12	8.32E-05	1.31E-08	5.15E-09	1.02E-04	1.61E-08	6.31E-09	8.93E-05	1.41E-08	5.53E-09
949	490536.72, 3861035.12	8.33E-05	1.31E-08	5.15E-09	1.02E-04	1.61E-08	6.31E-09	8.94E-05	1.41E-08	5.53E-09
950	490586.72, 3861035.12	8.33E-05	1.31E-08	5.16E-09	1.02E-04	1.61E-08	6.32E-09	8.95E-05	1.41E-08	5.54E-09
951	490636.72, 3861035.12	8.34E-05	1.31E-08	5.16E-09	1.02E-04	1.61E-08	6.32E-09	8.95E-05	1.41E-08	5.54E-09
952	490686.72, 3861035.12	8.34E-05	1.31E-08	5.16E-09	1.02E-04	1.61E-08	6.32E-09	8.96E-05	1.41E-08	5.54E-09
953	490736.72, 3861035.12	8.35E-05	1.31E-08	5.17E-09	1.02E-04	1.61E-08	6.33E-09	8.96E-05	1.41E-08	5.55E-09
954	490786.72, 3861035.12	8.36E-05	1.32E-08	5.17E-09	1.02E-04	1.61E-08	6.33E-09	8.97E-05	1.41E-08	5.55E-09
955	490836.72, 3861035.12	8.37E-05	1.32E-08	5.18E-09	1.03E-04	1.61E-08	6.34E-09	8.99E-05	1.42E-08	5.56E-09
956	490086.72, 3861085.12	8.04E-05	1.27E-08	4.98E-09	9.85E-05	1.55E-08	6.10E-09	8.64E-05	1.36E-08	5.35E-09
957	490136.72, 3861085.12	8.06E-05	1.27E-08	4.99E-09	9.88E-05	1.56E-08	6.11E-09	8.66E-05	1.36E-08	5.36E-09
958	490186.72, 3861085.12	8.09E-05	1.27E-08	5.00E-09	9.90E-05	1.56E-08	6.13E-09	8.68E-05	1.37E-08	5.37E-09
959	490236.72, 3861085.12	8.08E-05	1.27E-08	5.00E-09	9.90E-05	1.56E-08	6.13E-09	8.68E-05	1.37E-08	5.37E-09
960	490286.72, 3861085.12	8.08E-05	1.27E-08	5.00E-09	9.90E-05	1.56E-08	6.13E-09	8.68E-05	1.37E-08	5.37E-09
961	490336.72, 3861085.12	8.09E-05	1.27E-08	5.00E-09	9.90E-05	1.56E-08	6.13E-09	8.69E-05	1.37E-08	5.38E-09
962	490386.72, 3861085.12	8.11E-05	1.28E-08	5.02E-09	9.93E-05	1.56E-08	6.14E-09	8.70E-05	1.37E-08	5.39E-09
963	490436.72, 3861085.12	8.12E-05	1.28E-08	5.02E-09	9.94E-05	1.57E-08	6.15E-09	8.72E-05	1.37E-08	5.39E-09
964	490486.72, 3861085.12	8.13E-05	1.28E-08	5.03E-09	9.95E-05	1.57E-08	6.16E-09	8.73E-05	1.37E-08	5.40E-09
965	490536.72, 3861085.12	8.14E-05	1.28E-08	5.04E-09	9.97E-05	1.57E-08	6.17E-09	8.75E-05	1.38E-08	5.41E-09
966	490586.72, 3861085.12	8.15E-05	1.28E-08	5.04E-09	9.98E-05	1.57E-08	6.17E-09	8.75E-05	1.38E-08	5.41E-09
967	490636.72, 3861085.12	8.14E-05	1.28E-08	5.04E-09	9.97E-05	1.57E-08	6.17E-09	8.74E-05	1.38E-08	5.41E-09
968	490686.72, 3861085.12	8.15E-05	1.28E-08	5.04E-09	9.98E-05	1.57E-08	6.18E-09	8.75E-05	1.38E-08	5.42E-09
969	490736.72, 3861085.12	8.16E-05	1.29E-08	5.05E-09	9.99E-05	1.57E-08	6.18E-09	8.76E-05	1.38E-08	5.42E-09
970	490786.72, 3861085.12	8.17E-05	1.29E-08	5.06E-09	1.00E-04	1.58E-08	6.19E-09	8.77E-05	1.38E-08	5.43E-09
971	490836.72, 3861085.12	8.18E-05	1.29E-08	5.06E-09	1.00E-04	1.58E-08	6.20E-09	8.78E-05	1.38E-08	5.44E-09

972	490086.72, 3861135.12	7.87E-05	1.24E-08	4.87E-09	9.64E-05	1.52E-08	5.96E-09	8.45E-05	1.33E-08	5.23E-09
973	490136.72, 3861135.12	7.88E-05	1.24E-08	4.88E-09	9.66E-05	1.52E-08	5.98E-09	8.47E-05	1.33E-08	5.24E-09
974	490186.72, 3861135.12	7.90E-05	1.24E-08	4.89E-09	9.68E-05	1.52E-08	5.99E-09	8.49E-05	1.34E-08	5.25E-09
975	490236.72, 3861135.12	7.91E-05	1.25E-08	4.90E-09	9.69E-05	1.53E-08	6.00E-09	8.50E-05	1.34E-08	5.26E-09
976	490286.72, 3861135.12	7.92E-05	1.25E-08	4.90E-09	9.70E-05	1.53E-08	6.00E-09	8.50E-05	1.34E-08	5.26E-09
977	490336.72, 3861135.12	7.92E-05	1.25E-08	4.90E-09	9.70E-05	1.53E-08	6.00E-09	8.51E-05	1.34E-08	5.27E-09
978	490386.72, 3861135.12	7.93E-05	1.25E-08	4.91E-09	9.71E-05	1.53E-08	6.01E-09	8.52E-05	1.34E-08	5.27E-09
979	490436.72, 3861135.12	7.94E-05	1.25E-08	4.91E-09	9.72E-05	1.53E-08	6.02E-09	8.53E-05	1.34E-08	5.28E-09
980	490486.72, 3861135.12	7.95E-05	1.25E-08	4.92E-09	9.74E-05	1.53E-08	6.02E-09	8.54E-05	1.34E-08	5.28E-09
981	490536.72, 3861135.12	7.96E-05	1.25E-08	4.93E-09	9.75E-05	1.54E-08	6.03E-09	8.55E-05	1.35E-08	5.29E-09
982	490586.72, 3861135.12	7.96E-05	1.25E-08	4.93E-09	9.75E-05	1.54E-08	6.04E-09	8.55E-05	1.35E-08	5.29E-09
983	490636.72, 3861135.12	7.96E-05	1.25E-08	4.93E-09	9.75E-05	1.54E-08	6.04E-09	8.55E-05	1.35E-08	5.29E-09
984	490686.72, 3861135.12	7.97E-05	1.26E-08	4.93E-09	9.76E-05	1.54E-08	6.04E-09	8.56E-05	1.35E-08	5.30E-09
985	490736.72, 3861135.12	7.98E-05	1.26E-08	4.94E-09	9.78E-05	1.54E-08	6.05E-09	8.57E-05	1.35E-08	5.31E-09
986	490786.72, 3861135.12	7.99E-05	1.26E-08	4.95E-09	9.79E-05	1.54E-08	6.06E-09	8.58E-05	1.35E-08	5.31E-09
987	490836.72, 3861135.12	8.00E-05	1.26E-08	4.95E-09	9.80E-05	1.54E-08	6.06E-09	8.59E-05	1.35E-08	5.32E-09
988	490086.72, 3861185.12	7.70E-05	1.21E-08	4.76E-09	9.43E-05	1.49E-08	5.84E-09	8.27E-05	1.30E-08	5.12E-09
989	490136.72, 3861185.12	7.70E-05	1.21E-08	4.77E-09	9.43E-05	1.49E-08	5.84E-09	8.27E-05	1.30E-08	5.12E-09
990	490186.72, 3861185.12	7.72E-05	1.22E-08	4.77E-09	9.45E-05	1.49E-08	5.85E-09	8.29E-05	1.31E-08	5.13E-09
991	490236.72, 3861185.12	7.73E-05	1.22E-08	4.78E-09	9.47E-05	1.49E-08	5.86E-09	8.30E-05	1.31E-08	5.14E-09
992	490286.72, 3861185.12	7.75E-05	1.22E-08	4.80E-09	9.49E-05	1.50E-08	5.87E-09	8.32E-05	1.31E-08	5.15E-09
993	490336.72, 3861185.12	7.74E-05	1.22E-08	4.79E-09	9.48E-05	1.49E-08	5.87E-09	8.31E-05	1.31E-08	5.14E-09
994	490386.72, 3861185.12	7.75E-05	1.22E-08	4.80E-09	9.49E-05	1.50E-08	5.87E-09	8.32E-05	1.31E-08	5.15E-09
995	490436.72, 3861185.12	7.77E-05	1.22E-08	4.81E-09	9.51E-05	1.50E-08	5.89E-09	8.34E-05	1.31E-08	5.16E-09
996	490486.72, 3861185.12	7.77E-05	1.22E-08	4.81E-09	9.52E-05	1.50E-08	5.89E-09	8.35E-05	1.32E-08	5.17E-09
997	490536.72, 3861185.12	7.80E-05	1.23E-08	4.83E-09	9.55E-05	1.50E-08	5.91E-09	8.37E-05	1.32E-08	5.18E-09
998	490586.72, 3861185.12	7.80E-05	1.23E-08	4.83E-09	9.55E-05	1.50E-08	5.91E-09	8.37E-05	1.32E-08	5.18E-09
999	490636.72, 3861185.12	7.79E-05	1.23E-08	4.82E-09	9.54E-05	1.50E-08	5.90E-09	8.36E-05	1.32E-08	5.18E-09
1000	490686.72, 3861185.12	7.79E-05	1.23E-08	4.82E-09	9.54E-05	1.50E-08	5.91E-09	8.37E-05	1.32E-08	5.18E-09
1001	490736.72, 3861185.12	7.81E-05	1.23E-08	4.83E-09	9.57E-05	1.51E-08	5.92E-09	8.39E-05	1.32E-08	5.19E-09
1002	490786.72, 3861185.12	7.82E-05	1.23E-08	4.84E-09	9.58E-05	1.51E-08	5.93E-09	8.40E-05	1.32E-08	5.20E-09
1003	490836.72, 3861185.12	7.83E-05	1.23E-08	4.85E-09	9.59E-05	1.51E-08	5.94E-09	8.41E-05	1.32E-08	5.20E-09
1004	490086.72, 3861235.12	7.53E-05	1.19E-08	4.66E-09	9.22E-05	1.45E-08	5.71E-09	8.09E-05	1.27E-08	5.01E-09
1005	490136.72, 3861235.12	7.54E-05	1.19E-08	4.66E-09	9.23E-05	1.45E-08	5.71E-09	8.10E-05	1.28E-08	5.01E-09
1006	490186.72, 3861235.12	7.55E-05	1.19E-08	4.67E-09	9.25E-05	1.46E-08	5.72E-09	8.11E-05	1.28E-08	5.02E-09
1007	490236.72, 3861235.12	7.56E-05	1.19E-08	4.68E-09	9.25E-05	1.46E-08	5.73E-09	8.11E-05	1.28E-08	5.02E-09
1008	490386.72, 3861235.12	7.58E-05	1.19E-08	4.69E-09	9.28E-05	1.46E-08	5.74E-09	8.14E-05	1.28E-08	5.03E-09
1009	490436.72, 3861235.12	7.58E-05	1.19E-08	4.69E-09	9.28E-05	1.46E-08	5.75E-09	8.14E-05	1.28E-08	5.04E-09
1010	490486.72, 3861235.12	7.59E-05	1.20E-08	4.70E-09	9.29E-05	1.46E-08	5.75E-09	8.15E-05	1.28E-08	5.04E-09
1011	490536.72, 3861235.12	7.62E-05	1.20E-08	4.72E-09	9.34E-05	1.47E-08	5.78E-09	8.19E-05	1.29E-08	5.07E-09
1012	490586.72, 3861235.12	7.64E-05	1.20E-08	4.73E-09	9.36E-05	1.47E-08	5.79E-09	8.21E-05	1.29E-08	5.08E-09
1013	490636.72, 3861235.12	7.62E-05	1.20E-08	4.72E-09	9.33E-05	1.47E-08	5.77E-09	8.18E-05	1.29E-08	5.06E-09
1014	490686.72, 3861235.12	7.63E-05	1.20E-08	4.72E-09	9.34E-05	1.47E-08	5.78E-09	8.19E-05	1.29E-08	5.07E-09
1015	490736.72, 3861235.12	7.64E-05	1.20E-08	4.73E-09	9.36E-05	1.47E-08	5.79E-09	8.21E-05	1.29E-08	5.08E-09
1016	490786.72, 3861235.12	7.66E-05	1.21E-08	4.74E-09	9.38E-05	1.48E-08	5.81E-09	8.23E-05	1.30E-08	5.09E-09
1017	490836.72, 3861235.12	7.67E-05	1.21E-08	4.75E-09	9.39E-05	1.48E-08	5.81E-09	8.24E-05	1.30E-08	5.10E-09
1018	490086.72, 3861285.12	7.38E-05	1.16E-08	4.57E-09	9.04E-05	1.42E-08	5.60E-09	7.93E-05	1.25E-08	4.91E-09
1019	490136.72, 3861285.12	7.40E-05	1.17E-08	4.58E-09	9.07E-05	1.43E-08	5.61E-09	7.95E-05	1.25E-08	4.92E-09
1020	490186.72, 3861285.12	7.40E-05	1.17E-08	4.58E-09	9.06E-05	1.43E-08	5.61E-09	7.95E-05	1.25E-08	4.92E-09
1021	490236.72, 3861285.12	7.40E-05	1.17E-08	4.58E-09	9.07E-05	1.43E-08	5.61E-09	7.95E-05	1.25E-08	4.92E-09
1022	490386.72, 3861285.12	7.42E-05	1.17E-08	4.59E-09	9.09E-05	1.43E-08	5.62E-09	7.97E-05	1.26E-08	4.93E-09
1023	490436.72, 3861285.12	7.43E-05	1.17E-08	4.60E-09	9.10E-05	1.43E-08	5.63E-09	7.98E-05	1.26E-08	4.94E-09
1024	490486.72, 3861285.12	7.43E-05	1.17E-08	4.60E-09	9.10E-05	1.43E-08	5.63E-09	7.98E-05	1.26E-08	4.94E-09
1025	490536.72, 3861285.12	7.44E-05	1.17E-08	4.61E-09	9.12E-05	1.44E-08	5.64E-09	7.99E-05	1.26E-08	4.95E-09
1026	490586.72, 3861285.12	7.46E-05	1.17E-08	4.61E-09	9.13E-05	1.44E-08	5.65E-09	8.01E-05	1.26E-08	4.96E-09
1027	490636.72, 3861285.12	7.45E-05	1.17E-08	4.61E-09	9.13E-05	1.44E-08	5.65E-09	8.00E-05	1.26E-08	4.95E-09
1028	490686.72, 3861285.12	7.46E-05	1.18E-08	4.62E-09	9.14E-05	1.44E-08	5.65E-09	8.01E-05	1.26E-08	4.96E-09
1029	490736.72, 3861285.12	7.49E-05	1.18E-08	4.63E-09	9.17E-05	1.44E-08	5.67E-09	8.04E-05	1.27E-08	4.98E-09
1030	490786.72, 3861285.12	7.49E-05	1.18E-08	4.64E-09	9.18E-05	1.45E-08	5.68E-09	8.05E-05	1.27E-08	4.98E-09
1031	490836.72, 3861285.12	7.50E-05	1.18E-08	4.64E-09	9.18E-05	1.45E-08	5.68E-09	8.05E-05	1.27E-08	4.98E-09
1032	490061.24, 3859716.13	1.69E-04	2.66E-08	1.05E-08	2.07E-04	3.26E-08	1.28E-08	1.82E-04	2.86E-08	1.12E-08
1033	490111.24, 3859716.13	1.68E-04	2.65E-08	1.04E-08	2.06E-04	3.25E-08	1.28E-08	1.81E-04	2.85E-08	1.12E-08
1034	490161.24, 3859716.13	1.68E-04	2.64E-08	1.04E-08	2.05E-04	3.24E-08	1.27E-08	1.80E-04	2.84E-08	1.11E-08
1035	490211.24, 3859716.13	1.67E-04	2.63E-08	1.03E-08	2.05E-04	3.22E-08	1.27E-08	1.79E-04	2.83E-08	1.11E-08
1036	490061.24, 3859766.13	1.64E-04	2.58E-08	1.01E-08	2.00E-04	3.16E-08	1.24E-08	1.76E-04	2.77E-08	1.09E-08

1037	490111.24, 3859766.13	1.63E-04	2.56E-08	1.01E-08	1.99E-04	3.14E-08	1.23E-08	1.75E-04	2.75E-08	1.08E-08
1038	490161.24, 3859766.13	1.62E-04	2.55E-08	1.00E-08	1.98E-04	3.12E-08	1.23E-08	1.74E-04	2.74E-08	1.08E-08
1039	490211.24, 3859766.13	1.61E-04	2.54E-08	9.97E-09	1.97E-04	3.11E-08	1.22E-08	1.73E-04	2.73E-08	1.07E-08
1040	490061.24, 3859816.13	1.59E-04	2.50E-08	9.83E-09	1.95E-04	3.06E-08	1.20E-08	1.71E-04	2.69E-08	1.06E-08
1041	490111.24, 3859816.13	1.58E-04	2.48E-08	9.76E-09	1.93E-04	3.04E-08	1.20E-08	1.69E-04	2.67E-08	1.05E-08
1042	490161.24, 3859816.13	1.57E-04	2.47E-08	9.69E-09	1.92E-04	3.02E-08	1.19E-08	1.68E-04	2.65E-08	1.04E-08
1043	490211.24, 3859816.13	1.56E-04	2.45E-08	9.64E-09	1.91E-04	3.00E-08	1.18E-08	1.67E-04	2.64E-08	1.04E-08
1044	490061.24, 3859866.13	1.54E-04	2.43E-08	9.55E-09	1.89E-04	2.98E-08	1.17E-08	1.66E-04	2.61E-08	1.03E-08
1045	490111.24, 3859866.13	1.53E-04	2.41E-08	9.48E-09	1.88E-04	2.96E-08	1.16E-08	1.65E-04	2.59E-08	1.02E-08
1046	490161.24, 3859866.13	1.52E-04	2.40E-08	9.42E-09	1.86E-04	2.94E-08	1.15E-08	1.63E-04	2.58E-08	1.01E-08
1047	490211.24, 3859866.13	1.51E-04	2.38E-08	9.36E-09	1.85E-04	2.92E-08	1.15E-08	1.62E-04	2.56E-08	1.01E-08
1048	490061.24, 3859916.13	1.50E-04	2.36E-08	9.29E-09	1.84E-04	2.90E-08	1.14E-08	1.61E-04	2.54E-08	9.97E-09
1049	490111.24, 3859916.13	1.49E-04	2.35E-08	9.23E-09	1.83E-04	2.88E-08	1.13E-08	1.60E-04	2.52E-08	9.91E-09
1050	490161.24, 3859916.13	1.48E-04	2.33E-08	9.16E-09	1.81E-04	2.86E-08	1.12E-08	1.59E-04	2.51E-08	9.84E-09
1051	490211.24, 3859916.13	1.47E-04	2.32E-08	9.10E-09	1.80E-04	2.84E-08	1.11E-08	1.58E-04	2.49E-08	9.77E-09
1052	490229.25, 3859815.26	1.56E-04	2.45E-08	9.63E-09	1.91E-04	3.00E-08	1.18E-08	1.67E-04	2.63E-08	1.03E-08
1053	490279.25, 3859815.26	1.55E-04	2.44E-08	9.58E-09	1.90E-04	2.99E-08	1.17E-08	1.66E-04	2.62E-08	1.03E-08
1054	490329.25, 3859815.26	1.54E-04	2.43E-08	9.54E-09	1.89E-04	2.98E-08	1.17E-08	1.66E-04	2.61E-08	1.03E-08
1055	490379.25, 3859815.26	1.54E-04	2.43E-08	9.53E-09	1.89E-04	2.97E-08	1.17E-08	1.65E-04	2.61E-08	1.02E-08
1056	490429.25, 3859815.26	1.54E-04	2.43E-08	9.53E-09	1.89E-04	2.97E-08	1.17E-08	1.65E-04	2.61E-08	1.02E-08
1057	490229.25, 3859865.26	1.51E-04	2.38E-08	9.34E-09	1.85E-04	2.91E-08	1.14E-08	1.62E-04	2.55E-08	1.00E-08
1058	490279.25, 3859865.26	1.50E-04	2.36E-08	9.29E-09	1.84E-04	2.90E-08	1.14E-08	1.61E-04	2.54E-08	9.98E-09
1059	490329.25, 3859865.26	1.49E-04	2.35E-08	9.24E-09	1.83E-04	2.88E-08	1.13E-08	1.60E-04	2.53E-08	9.92E-09
1060	490379.25, 3859865.26	1.49E-04	2.34E-08	9.21E-09	1.82E-04	2.87E-08	1.13E-08	1.60E-04	2.52E-08	9.89E-09
1061	490429.25, 3859865.26	1.48E-04	2.34E-08	9.18E-09	1.82E-04	2.86E-08	1.12E-08	1.59E-04	2.51E-08	9.87E-09
1062	490229.25, 3859915.26	1.47E-04	2.31E-08	9.08E-09	1.80E-04	2.83E-08	1.11E-08	1.58E-04	2.48E-08	9.76E-09
1063	490279.25, 3859915.26	1.46E-04	2.30E-08	9.02E-09	1.78E-04	2.81E-08	1.10E-08	1.57E-04	2.47E-08	9.69E-09
1064	490329.25, 3859915.26	1.45E-04	2.28E-08	8.96E-09	1.77E-04	2.79E-08	1.10E-08	1.56E-04	2.45E-08	9.63E-09
1065	490379.25, 3859915.26	1.44E-04	2.27E-08	8.92E-09	1.77E-04	2.78E-08	1.09E-08	1.55E-04	2.44E-08	9.58E-09
1066	490429.25, 3859915.26	1.44E-04	2.26E-08	8.88E-09	1.76E-04	2.77E-08	1.09E-08	1.54E-04	2.43E-08	9.54E-09
1067	490451.43, 3859872.59	1.47E-04	2.32E-08	9.13E-09	1.81E-04	2.85E-08	1.12E-08	1.58E-04	2.50E-08	9.80E-09
1068	490501.43, 3859872.59	1.47E-04	2.32E-08	9.12E-09	1.81E-04	2.84E-08	1.12E-08	1.58E-04	2.49E-08	9.80E-09
1069	490551.43, 3859872.59	1.48E-04	2.33E-08	9.14E-09	1.81E-04	2.85E-08	1.12E-08	1.59E-04	2.50E-08	9.82E-09
1070	490601.43, 3859872.59	1.48E-04	2.33E-08	9.16E-09	1.81E-04	2.86E-08	1.12E-08	1.59E-04	2.51E-08	9.84E-09
1071	490451.43, 3859922.59	1.43E-04	2.25E-08	8.83E-09	1.75E-04	2.75E-08	1.08E-08	1.53E-04	2.41E-08	9.48E-09
1072	490501.43, 3859922.59	1.42E-04	2.24E-08	8.81E-09	1.74E-04	2.75E-08	1.08E-08	1.53E-04	2.41E-08	9.46E-09
1073	490551.43, 3859922.59	1.42E-04	2.24E-08	8.81E-09	1.74E-04	2.75E-08	1.08E-08	1.53E-04	2.41E-08	9.46E-09
1074	490601.43, 3859922.59	1.43E-04	2.25E-08	8.83E-09	1.75E-04	2.75E-08	1.08E-08	1.53E-04	2.41E-08	9.48E-09
1075	482129.67, 3852241.07	8.34E-05	1.31E-08	5.16E-09	1.02E-04	1.61E-08	6.32E-09	8.96E-05	1.41E-08	5.54E-09
1076	482029.67, 3852291.07	8.48E-05	1.34E-08	5.25E-09	1.04E-04	1.64E-08	6.43E-09	9.11E-05	1.44E-08	5.64E-09
1077	482079.67, 3852291.07	8.52E-05	1.34E-08	5.27E-09	1.04E-04	1.64E-08	6.46E-09	9.15E-05	1.44E-08	5.66E-09
1078	482129.67, 3852291.07	8.54E-05	1.35E-08	5.28E-09	1.05E-04	1.65E-08	6.47E-09	9.18E-05	1.45E-08	5.68E-09
1079	482179.67, 3852291.07	8.54E-05	1.35E-08	5.29E-09	1.05E-04	1.65E-08	6.48E-09	9.18E-05	1.45E-08	5.68E-09
1080	482229.67, 3852291.07	8.52E-05	1.34E-08	5.27E-09	1.04E-04	1.64E-08	6.46E-09	9.15E-05	1.44E-08	5.66E-09
1081	482029.67, 3852341.07	8.62E-05	1.36E-08	5.34E-09	1.06E-04	1.66E-08	6.54E-09	9.26E-05	1.46E-08	5.73E-09
1082	482079.67, 3852341.07	8.69E-05	1.37E-08	5.38E-09	1.06E-04	1.68E-08	6.58E-09	9.33E-05	1.47E-08	5.78E-09
1083	482129.67, 3852341.07	8.72E-05	1.37E-08	5.40E-09	1.07E-04	1.68E-08	6.61E-09	9.38E-05	1.48E-08	5.80E-09
1084	482179.67, 3852341.07	8.75E-05	1.38E-08	5.42E-09	1.07E-04	1.69E-08	6.64E-09	9.41E-05	1.48E-08	5.82E-09
1085	482259.06, 3852400.14	8.95E-05	1.41E-08	5.54E-09	1.10E-04	1.73E-08	6.79E-09	9.62E-05	1.52E-08	5.96E-09
1086	482309.06, 3852400.14	9.00E-05	1.42E-08	5.57E-09	1.10E-04	1.74E-08	6.82E-09	9.67E-05	1.52E-08	5.99E-09
1087	482209.06, 3852450.14	9.13E-05	1.44E-08	5.65E-09	1.12E-04	1.76E-08	6.92E-09	9.81E-05	1.55E-08	6.07E-09
1088	482259.06, 3852450.14	9.17E-05	1.44E-08	5.67E-09	1.12E-04	1.77E-08	6.95E-09	9.85E-05	1.55E-08	6.10E-09
1089	482309.06, 3852450.14	9.23E-05	1.45E-08	5.71E-09	1.13E-04	1.78E-08	7.00E-09	9.92E-05	1.56E-08	6.14E-09
1090	482209.06, 3852500.14	9.33E-05	1.47E-08	5.77E-09	1.14E-04	1.80E-08	7.07E-09	1.00E-04	1.58E-08	6.21E-09
1091	482259.06, 3852500.14	9.39E-05	1.48E-08	5.81E-09	1.15E-04	1.81E-08	7.12E-09	1.01E-04	1.59E-08	6.24E-09
1092	482309.06, 3852500.14	9.44E-05	1.49E-08	5.84E-09	1.16E-04	1.82E-08	7.16E-09	1.01E-04	1.60E-08	6.28E-09
1093	482283.91, 3852513.62	9.47E-05	1.49E-08	5.86E-09	1.16E-04	1.83E-08	7.18E-09	1.02E-04	1.60E-08	6.30E-09
1094	482333.91, 3852513.62	9.51E-05	1.50E-08	5.89E-09	1.17E-04	1.84E-08	7.21E-09	1.02E-04	1.61E-08	6.33E-09
1095	482283.91, 3852563.62	9.66E-05	1.52E-08	5.98E-09	1.18E-04	1.86E-08	7.33E-09	1.04E-04	1.64E-08	6.43E-09
1096	482333.91, 3852563.62	9.71E-05	1.53E-08	6.01E-09	1.19E-04	1.87E-08	7.36E-09	1.04E-04	1.64E-08	6.46E-09
1097	482383.91, 3852563.62	9.74E-05	1.53E-08	6.03E-09	1.19E-04	1.88E-08	7.38E-09	1.05E-04	1.65E-08	6.48E-09
1098	482283.91, 3852613.62	9.91E-05	1.56E-08	6.13E-09	1.21E-04	1.91E-08	7.51E-09	1.06E-04	1.68E-08	6.59E-09
1099	482333.91, 3852613.62	9.94E-05	1.57E-08	6.15E-09	1.22E-04	1.92E-08	7.53E-09	1.07E-04	1.68E-08	6.61E-09
1100	482383.91, 3852613.62	9.96E-05	1.57E-08	6.16E-09	1.22E-04	1.92E-08	7.55E-09	1.07E-04	1.69E-08	6.63E-09
1101	482602.38, 3852600.87	1.02E-04	1.60E-08	6.29E-09	1.24E-04	1.96E-08	7.70E-09	1.09E-04	1.72E-08	6.76E-09

1102	482652.38, 3852600.87	1.02E-04	1.60E-08	6.30E-09	1.25E-04	1.96E-08	7.72E-09	1.09E-04	1.72E-08	6.77E-09
1103	482702.38, 3852600.87	1.01E-04	1.59E-08	6.26E-09	1.24E-04	1.95E-08	7.67E-09	1.09E-04	1.71E-08	6.73E-09
1104	482552.38, 3852650.87	1.04E-04	1.64E-08	6.44E-09	1.28E-04	2.01E-08	7.89E-09	1.12E-04	1.76E-08	6.93E-09
1105	482602.38, 3852650.87	1.05E-04	1.65E-08	6.48E-09	1.28E-04	2.02E-08	7.94E-09	1.13E-04	1.77E-08	6.96E-09
1106	482652.38, 3852650.87	1.05E-04	1.66E-08	6.50E-09	1.29E-04	2.03E-08	7.97E-09	1.13E-04	1.78E-08	6.99E-09
1107	482702.38, 3852650.87	1.05E-04	1.66E-08	6.51E-09	1.29E-04	2.03E-08	7.98E-09	1.13E-04	1.78E-08	7.00E-09
1108	482552.38, 3852700.87	1.07E-04	1.68E-08	6.62E-09	1.31E-04	2.06E-08	8.10E-09	1.15E-04	1.81E-08	7.11E-09
1109	482602.38, 3852700.87	1.08E-04	1.70E-08	6.66E-09	1.32E-04	2.08E-08	8.16E-09	1.16E-04	1.82E-08	7.16E-09
1110	482652.38, 3852700.87	1.08E-04	1.70E-08	6.67E-09	1.32E-04	2.08E-08	8.17E-09	1.16E-04	1.83E-08	7.17E-09
1111	482702.38, 3852700.87	1.09E-04	1.71E-08	6.72E-09	1.33E-04	2.09E-08	8.23E-09	1.17E-04	1.84E-08	7.22E-09
1112	482452.38, 3852750.87	1.08E-04	1.70E-08	6.67E-09	1.32E-04	2.08E-08	8.18E-09	1.16E-04	1.83E-08	7.17E-09
1113	482521.29, 3852749.74	1.09E-04	1.71E-08	6.74E-09	1.33E-04	2.10E-08	8.25E-09	1.17E-04	1.84E-08	7.24E-09
1114	482571.29, 3852749.74	1.10E-04	1.73E-08	6.79E-09	1.34E-04	2.12E-08	8.32E-09	1.18E-04	1.86E-08	7.30E-09
1115	482521.29, 3852799.74	1.12E-04	1.76E-08	6.90E-09	1.37E-04	2.15E-08	8.45E-09	1.20E-04	1.89E-08	7.42E-09
1116	482571.29, 3852799.74	1.12E-04	1.77E-08	6.96E-09	1.38E-04	2.17E-08	8.53E-09	1.21E-04	1.90E-08	7.48E-09
1117	482621.29, 3852799.74	1.14E-04	1.79E-08	7.03E-09	1.39E-04	2.19E-08	8.62E-09	1.22E-04	1.92E-08	7.56E-09
1118	482571.29, 3852849.74	1.16E-04	1.82E-08	7.16E-09	1.42E-04	2.23E-08	8.77E-09	1.24E-04	1.96E-08	7.70E-09
1119	482621.29, 3852849.74	1.17E-04	1.85E-08	7.25E-09	1.44E-04	2.26E-08	8.88E-09	1.26E-04	1.98E-08	7.79E-09
1120	482577.42, 3852901.55	1.20E-04	1.88E-08	7.40E-09	1.46E-04	2.31E-08	9.06E-09	1.28E-04	2.02E-08	7.95E-09
1121	482627.42, 3852901.55	1.21E-04	1.91E-08	7.50E-09	1.49E-04	2.34E-08	9.19E-09	1.30E-04	2.05E-08	8.07E-09
1122	482629.96, 3852955.85	1.25E-04	1.97E-08	7.76E-09	1.54E-04	2.42E-08	9.50E-09	1.35E-04	2.12E-08	8.34E-09
1123	482679.96, 3852955.85	1.27E-04	2.01E-08	7.88E-09	1.56E-04	2.46E-08	9.65E-09	1.37E-04	2.16E-08	8.47E-09
1124	482781.63, 3853034.48	1.38E-04	2.18E-08	8.56E-09	1.70E-04	2.67E-08	1.05E-08	1.49E-04	2.34E-08	9.21E-09
1125	482831.63, 3853034.48	1.39E-04	2.19E-08	8.61E-09	1.70E-04	2.68E-08	1.05E-08	1.50E-04	2.36E-08	9.26E-09
1126	482881.63, 3853034.48	1.39E-04	2.19E-08	8.61E-09	1.70E-04	2.69E-08	1.05E-08	1.50E-04	2.36E-08	9.26E-09
1127	482781.63, 3853084.48	1.44E-04	2.27E-08	8.90E-09	1.76E-04	2.78E-08	1.09E-08	1.55E-04	2.44E-08	9.57E-09
1128	482831.63, 3853084.48	1.45E-04	2.28E-08	8.97E-09	1.78E-04	2.80E-08	1.10E-08	1.56E-04	2.45E-08	9.64E-09
1129	482881.63, 3853084.48	1.45E-04	2.29E-08	8.98E-09	1.78E-04	2.80E-08	1.10E-08	1.56E-04	2.46E-08	9.65E-09
1130	482781.63, 3853134.48	1.50E-04	2.36E-08	9.26E-09	1.83E-04	2.89E-08	1.13E-08	1.61E-04	2.53E-08	9.96E-09
1131	482831.63, 3853134.48	1.51E-04	2.38E-08	9.35E-09	1.85E-04	2.91E-08	1.15E-08	1.62E-04	2.56E-08	1.01E-08
1132	482881.63, 3853134.48	1.51E-04	2.38E-08	9.36E-09	1.85E-04	2.92E-08	1.15E-08	1.63E-04	2.56E-08	1.01E-08
1133	482831.63, 3853184.48	1.58E-04	2.49E-08	9.77E-09	1.93E-04	3.05E-08	1.20E-08	1.70E-04	2.67E-08	1.05E-08
1134	482881.63, 3853184.48	1.58E-04	2.49E-08	9.79E-09	1.94E-04	3.05E-08	1.20E-08	1.70E-04	2.68E-08	1.05E-08
1135	484154.84, 3854250.98	5.53E-04	8.71E-08	3.42E-08	6.77E-04	1.07E-07	4.19E-08	5.95E-04	9.37E-08	3.68E-08
1136	484204.84, 3854250.98	5.36E-04	8.45E-08	3.32E-08	6.57E-04	1.04E-07	4.07E-08	5.77E-04	9.10E-08	3.57E-08
1137	484154.84, 3854300.98	5.73E-04	9.03E-08	3.55E-08	7.03E-04	1.11E-07	4.35E-08	6.17E-04	9.72E-08	3.82E-08
1138	484204.84, 3854300.98	5.64E-04	8.89E-08	3.49E-08	6.92E-04	1.09E-07	4.28E-08	6.08E-04	9.57E-08	3.76E-08
1139	484074.19, 3854519.8	9.25E-04	1.46E-07	5.72E-08	1.13E-03	1.79E-07	7.01E-08	9.95E-04	1.57E-07	6.16E-08
1140	484124.19, 3854519.8	8.79E-04	1.38E-07	5.44E-08	1.08E-03	1.70E-07	6.67E-08	9.46E-04	1.49E-07	5.86E-08
1141	484074.19, 3854569.8	1.10E-03	1.74E-07	6.83E-08	1.35E-03	2.13E-07	8.36E-08	1.19E-03	1.87E-07	7.34E-08
1142	484124.19, 3854569.8	1.03E-03	1.62E-07	6.37E-08	1.26E-03	1.99E-07	7.81E-08	1.11E-03	1.75E-07	6.86E-08
1143	485205.11, 3855188.89	4.23E-03	6.66E-07	2.62E-07	5.18E-03	8.16E-07	3.21E-07	4.54E-03	7.15E-07	2.81E-07
1144	485255.11, 3855188.89	3.78E-03	5.96E-07	2.34E-07	4.63E-03	7.30E-07	2.87E-07	4.06E-03	6.39E-07	2.51E-07
1145	485205.11, 3855238.89	4.63E-03	7.30E-07	2.87E-07	5.68E-03	8.94E-07	3.51E-07	4.98E-03	7.84E-07	3.08E-07
1146	485255.11, 3855238.89	4.18E-03	6.59E-07	2.59E-07	5.12E-03	8.07E-07	3.17E-07	4.49E-03	7.08E-07	2.78E-07
1147	485205.11, 3855288.89	5.65E-03	8.90E-07	3.50E-07	6.92E-03	1.09E-06	4.28E-07	6.08E-03	9.57E-07	3.76E-07
1148	485255.11, 3855288.89	4.89E-03	7.71E-07	3.03E-07	5.99E-03	9.44E-07	3.71E-07	5.26E-03	8.29E-07	3.26E-07
1149	485255.11, 3855338.89	5.85E-03	9.21E-07	3.62E-07	7.16E-03	1.13E-06	4.43E-07	6.30E-03	9.92E-07	3.90E-07
1150	485305.11, 3855338.89	5.06E-03	7.97E-07	3.13E-07	6.19E-03	9.76E-07	3.83E-07	5.44E-03	8.58E-07	3.37E-07
1151	485852.5, 3855635.28	3.50E-03	5.52E-07	2.17E-07	4.29E-03	6.76E-07	2.66E-07	3.78E-03	5.95E-07	2.34E-07
1152	485902.5, 3855635.28	3.23E-03	5.09E-07	2.00E-07	3.96E-03	6.23E-07	2.45E-07	3.48E-03	5.48E-07	2.15E-07
1153	485852.5, 3855685.28	3.83E-03	6.03E-07	2.37E-07	4.69E-03	7.39E-07	2.90E-07	4.13E-03	6.51E-07	2.56E-07
1154	485902.5, 3855685.28	3.50E-03	5.51E-07	2.16E-07	4.28E-03	6.75E-07	2.65E-07	3.77E-03	5.94E-07	2.33E-07
1155	485852.5, 3855735.28	4.23E-03	6.66E-07	2.62E-07	5.18E-03	8.16E-07	3.20E-07	4.56E-03	7.18E-07	2.82E-07
1156	485902.5, 3855735.28	3.85E-03	6.07E-07	2.38E-07	4.72E-03	7.43E-07	2.92E-07	4.15E-03	6.54E-07	2.57E-07
1157	485852.5, 3855785.28	4.81E-03	7.58E-07	2.98E-07	5.90E-03	9.29E-07	3.65E-07	5.19E-03	8.18E-07	3.21E-07
1158	485902.5, 3855785.28	4.24E-03	6.68E-07	2.62E-07	5.19E-03	8.18E-07	3.21E-07	4.57E-03	7.21E-07	2.83E-07
1159	486809.46, 3856465.28	3.76E-03	5.92E-07	2.33E-07	4.61E-03	7.25E-07	2.85E-07	4.06E-03	6.39E-07	2.51E-07
1160	486859.46, 3856465.28	3.52E-03	5.55E-07	2.18E-07	4.31E-03	6.79E-07	2.67E-07	3.80E-03	5.98E-07	2.35E-07
1161	486909.46, 3856465.28	3.31E-03	5.22E-07	2.05E-07	4.06E-03	6.39E-07	2.51E-07	3.57E-03	5.63E-07	2.21E-07
1162	486809.46, 3856515.28	4.12E-03	6.48E-07	2.55E-07	5.04E-03	7.94E-07	3.12E-07	4.44E-03	7.00E-07	2.75E-07
1163	486859.46, 3856515.28	3.82E-03	6.02E-07	2.36E-07	4.68E-03	7.37E-07	2.90E-07	4.12E-03	6.49E-07	2.55E-07
1164	486909.46, 3856515.28	3.57E-03	5.62E-07	2.21E-07	4.37E-03	6.89E-07	2.71E-07	3.85E-03	6.07E-07	2.38E-07
1165	486980.94, 3856357.95	2.68E-03	4.22E-07	1.66E-07	3.28E-03	5.17E-07	2.03E-07	2.89E-03	4.55E-07	1.79E-07
1166	487030.94, 3856357.95	2.57E-03	4.04E-07	1.59E-07	3.14E-03	4.95E-07	1.94E-07	2.77E-03	4.36E-07	1.71E-07

1167	486980.94, 3856407.95	2.85E-03	4.48E-07	1.76E-07	3.49E-03	5.49E-07	2.16E-07	3.07E-03	4.84E-07	1.90E-07
1168	487030.94, 3856407.95	2.72E-03	4.28E-07	1.68E-07	3.33E-03	5.24E-07	2.06E-07	2.93E-03	4.61E-07	1.81E-07
1169	487447.18, 3856437.45	2.03E-03	3.20E-07	1.26E-07	2.48E-03	3.91E-07	1.54E-07	2.19E-03	3.45E-07	1.35E-07
1170	487497.18, 3856437.45	1.96E-03	3.09E-07	1.21E-07	2.40E-03	3.79E-07	1.49E-07	2.12E-03	3.33E-07	1.31E-07
1171	487547.18, 3856437.45	1.90E-03	3.00E-07	1.18E-07	2.33E-03	3.67E-07	1.44E-07	2.05E-03	3.23E-07	1.27E-07
1172	487447.18, 3856487.45	2.11E-03	3.32E-07	1.31E-07	2.58E-03	4.07E-07	1.60E-07	2.27E-03	3.58E-07	1.41E-07
1173	487497.18, 3856487.45	2.04E-03	3.21E-07	1.26E-07	2.50E-03	3.93E-07	1.54E-07	2.20E-03	3.46E-07	1.36E-07
1174	487547.18, 3856487.45	1.97E-03	3.11E-07	1.22E-07	2.41E-03	3.80E-07	1.49E-07	2.13E-03	3.35E-07	1.32E-07
1175	487447.18, 3856537.45	2.19E-03	3.46E-07	1.36E-07	2.69E-03	4.23E-07	1.66E-07	2.37E-03	3.73E-07	1.46E-07
1176	487497.18, 3856537.45	2.12E-03	3.33E-07	1.31E-07	2.59E-03	4.08E-07	1.60E-07	2.28E-03	3.59E-07	1.41E-07
1177	487547.18, 3856537.45	2.04E-03	3.22E-07	1.26E-07	2.50E-03	3.94E-07	1.55E-07	2.20E-03	3.47E-07	1.36E-07
1178	489285.89, 3858826.54	7.69E-04	1.21E-07	4.76E-08	9.42E-04	1.48E-07	5.83E-08	8.29E-04	1.31E-07	5.13E-08
1179	489335.89, 3858826.54	7.18E-04	1.13E-07	4.44E-08	8.80E-04	1.39E-07	5.44E-08	7.74E-04	1.22E-07	4.79E-08
1180	489385.89, 3858826.54	6.75E-04	1.06E-07	4.18E-08	8.27E-04	1.30E-07	5.12E-08	7.27E-04	1.15E-07	4.50E-08
1181	489435.89, 3858826.54	6.39E-04	1.01E-07	3.96E-08	7.83E-04	1.23E-07	4.85E-08	6.89E-04	1.08E-07	4.26E-08
1182	489485.89, 3858826.54	6.09E-04	9.60E-08	3.77E-08	7.46E-04	1.18E-07	4.62E-08	6.56E-04	1.03E-07	4.06E-08
1183	489535.89, 3858826.54	5.83E-04	9.19E-08	3.61E-08	7.14E-04	1.13E-07	4.42E-08	6.28E-04	9.89E-08	3.89E-08
1184	489585.89, 3858826.54	5.60E-04	8.83E-08	3.47E-08	6.87E-04	1.08E-07	4.25E-08	6.03E-04	9.51E-08	3.73E-08
1185	489635.89, 3858826.54	5.41E-04	8.52E-08	3.35E-08	6.62E-04	1.04E-07	4.10E-08	5.82E-04	9.17E-08	3.60E-08
1186	489685.89, 3858826.54	5.23E-04	8.23E-08	3.23E-08	6.40E-04	1.01E-07	3.96E-08	5.63E-04	8.86E-08	3.48E-08
1187	489735.89, 3858826.54	5.07E-04	7.98E-08	3.14E-08	6.21E-04	9.78E-08	3.84E-08	5.45E-04	8.59E-08	3.37E-08
1188	489785.89, 3858826.54	4.92E-04	7.75E-08	3.05E-08	6.03E-04	9.50E-08	3.73E-08	5.30E-04	8.34E-08	3.28E-08
1189	489835.89, 3858826.54	4.79E-04	7.54E-08	2.96E-08	5.87E-04	9.24E-08	3.63E-08	5.15E-04	8.12E-08	3.19E-08
1190	489885.89, 3858826.54	4.67E-04	7.35E-08	2.89E-08	5.72E-04	9.01E-08	3.54E-08	5.02E-04	7.91E-08	3.11E-08
1191	489935.89, 3858826.54	4.56E-04	7.18E-08	2.82E-08	5.58E-04	8.80E-08	3.46E-08	4.90E-04	7.72E-08	3.03E-08
1192	489985.89, 3858826.54	4.46E-04	7.02E-08	2.76E-08	5.46E-04	8.60E-08	3.38E-08	4.79E-04	7.55E-08	2.97E-08
1193	490035.89, 3858826.54	4.36E-04	6.87E-08	2.70E-08	5.34E-04	8.42E-08	3.31E-08	4.69E-04	7.39E-08	2.90E-08
1194	489285.89, 3858876.54	7.03E-04	1.11E-07	4.35E-08	8.62E-04	1.36E-07	5.33E-08	7.58E-04	1.19E-07	4.69E-08
1195	489335.89, 3858876.54	6.60E-04	1.04E-07	4.09E-08	8.09E-04	1.27E-07	5.01E-08	7.11E-04	1.12E-07	4.40E-08
1196	489385.89, 3858876.54	6.24E-04	9.84E-08	3.86E-08	7.65E-04	1.20E-07	4.73E-08	6.73E-04	1.06E-07	4.16E-08
1197	489435.89, 3858876.54	5.94E-04	9.35E-08	3.67E-08	7.27E-04	1.15E-07	4.50E-08	6.40E-04	1.01E-07	3.96E-08
1198	489485.89, 3858876.54	5.67E-04	8.94E-08	3.51E-08	6.95E-04	1.10E-07	4.30E-08	6.11E-04	9.63E-08	3.78E-08
1199	489535.89, 3858876.54	5.45E-04	8.58E-08	3.37E-08	6.67E-04	1.05E-07	4.13E-08	5.87E-04	9.24E-08	3.63E-08
1200	489585.89, 3858876.54	5.25E-04	8.27E-08	3.25E-08	6.43E-04	1.01E-07	3.98E-08	5.65E-04	8.90E-08	3.50E-08
1201	489635.89, 3858876.54	5.08E-04	8.00E-08	3.14E-08	6.22E-04	9.80E-08	3.85E-08	5.46E-04	8.61E-08	3.38E-08
1202	489685.89, 3858876.54	4.92E-04	7.75E-08	3.05E-08	6.03E-04	9.50E-08	3.73E-08	5.30E-04	8.34E-08	3.28E-08
1203	489735.89, 3858876.54	4.78E-04	7.53E-08	2.96E-08	5.86E-04	9.22E-08	3.62E-08	5.14E-04	8.10E-08	3.18E-08
1204	489785.89, 3858876.54	4.65E-04	7.33E-08	2.88E-08	5.70E-04	8.98E-08	3.53E-08	5.01E-04	7.89E-08	3.10E-08
1205	489835.89, 3858876.54	4.54E-04	7.15E-08	2.81E-08	5.56E-04	8.75E-08	3.44E-08	4.88E-04	7.69E-08	3.02E-08
1206	489885.89, 3858876.54	4.43E-04	6.98E-08	2.74E-08	5.43E-04	8.55E-08	3.36E-08	4.77E-04	7.51E-08	2.95E-08
1207	489935.89, 3858876.54	4.33E-04	6.82E-08	2.68E-08	5.31E-04	8.36E-08	3.28E-08	4.66E-04	7.34E-08	2.88E-08
1208	489985.89, 3858876.54	4.24E-04	6.68E-08	2.62E-08	5.19E-04	8.18E-08	3.22E-08	4.56E-04	7.19E-08	2.82E-08
1209	490035.89, 3858876.54	4.16E-04	6.55E-08	2.57E-08	5.09E-04	8.02E-08	3.15E-08	4.47E-04	7.04E-08	2.77E-08
1210	489285.89, 3858926.54	6.23E-04	9.82E-08	3.86E-08	7.63E-04	1.20E-07	4.72E-08	6.71E-04	1.06E-07	4.15E-08
1211	489335.89, 3858926.54	5.92E-04	9.33E-08	3.67E-08	7.26E-04	1.14E-07	4.49E-08	6.38E-04	1.01E-07	3.95E-08
1212	489385.89, 3858926.54	5.66E-04	8.91E-08	3.50E-08	6.93E-04	1.09E-07	4.29E-08	6.09E-04	9.60E-08	3.77E-08
1213	489435.89, 3858926.54	5.42E-04	8.54E-08	3.36E-08	6.64E-04	1.05E-07	4.11E-08	5.84E-04	9.20E-08	3.61E-08
1214	489485.89, 3858926.54	5.22E-04	8.22E-08	3.23E-08	6.39E-04	1.01E-07	3.96E-08	5.62E-04	8.85E-08	3.48E-08
1215	489535.89, 3858926.54	5.03E-04	7.93E-08	3.11E-08	6.17E-04	9.71E-08	3.82E-08	5.42E-04	8.54E-08	3.35E-08
1216	489585.89, 3858926.54	4.87E-04	7.67E-08	3.01E-08	5.97E-04	9.40E-08	3.69E-08	5.24E-04	8.26E-08	3.24E-08
1217	489635.89, 3858926.54	4.72E-04	7.44E-08	2.92E-08	5.79E-04	9.12E-08	3.58E-08	5.09E-04	8.01E-08	3.15E-08
1218	489685.89, 3858926.54	4.60E-04	7.24E-08	2.85E-08	5.63E-04	8.87E-08	3.49E-08	4.95E-04	7.79E-08	3.06E-08
1219	489735.89, 3858926.54	4.48E-04	7.06E-08	2.77E-08	5.49E-04	8.65E-08	3.40E-08	4.82E-04	7.60E-08	2.98E-08
1220	489785.89, 3858926.54	4.37E-04	6.89E-08	2.71E-08	5.36E-04	8.44E-08	3.32E-08	4.71E-04	7.41E-08	2.91E-08
1221	489835.89, 3858926.54	4.27E-04	6.73E-08	2.65E-08	5.24E-04	8.25E-08	3.24E-08	4.60E-04	7.25E-08	2.85E-08
1222	489885.89, 3858926.54	4.18E-04	6.59E-08	2.59E-08	5.13E-04	8.07E-08	3.17E-08	4.50E-04	7.09E-08	2.79E-08
1223	489935.89, 3858926.54	4.10E-04	6.46E-08	2.54E-08	5.02E-04	7.91E-08	3.11E-08	4.41E-04	6.95E-08	2.73E-08
1224	489985.89, 3858926.54	4.02E-04	6.33E-08	2.49E-08	4.93E-04	7.76E-08	3.05E-08	4.32E-04	6.81E-08	2.68E-08
1225	490035.89, 3858926.54	3.95E-04	6.22E-08	2.44E-08	4.83E-04	7.62E-08	2.99E-08	4.24E-04	6.69E-08	2.63E-08
1226	489335.89, 3858976.54	5.23E-04	8.24E-08	3.24E-08	6.41E-04	1.01E-07	3.96E-08	5.63E-04	8.87E-08	3.49E-08
1227	489385.89, 3858976.54	5.06E-04	7.96E-08	3.13E-08	6.19E-04	9.76E-08	3.83E-08	5.44E-04	8.58E-08	3.37E-08
1228	489435.89, 3858976.54	4.90E-04	7.71E-08	3.03E-08	6.00E-04	9.45E-08	3.71E-08	5.27E-04	8.30E-08	3.26E-08
1229	489485.89, 3858976.54	4.75E-04	7.48E-08	2.94E-08	5.82E-04	9.16E-08	3.60E-08	5.11E-04	8.05E-08	3.16E-08
1230	489535.89, 3858976.54	4.61E-04	7.27E-08	2.85E-08	5.65E-04	8.90E-08	3.50E-08	4.97E-04	7.82E-08	3.07E-08
1231	489585.89, 3858976.54	4.49E-04	7.07E-08	2.78E-08	5.50E-04	8.66E-08	3.40E-08	4.83E-04	7.61E-08	2.99E-08

1232	489635.89, 3858976.54	4.37E-04	6.89E-08	2.71E-08	5.36E-04	8.44E-08	3.32E-08	4.71E-04	7.42E-08	2.91E-08
1233	489685.89, 3858976.54	4.27E-04	6.72E-08	2.64E-08	5.23E-04	8.24E-08	3.24E-08	4.59E-04	7.24E-08	2.84E-08
1234	489735.89, 3858976.54	4.17E-04	6.58E-08	2.58E-08	5.11E-04	8.05E-08	3.16E-08	4.49E-04	7.08E-08	2.78E-08
1235	489785.89, 3858976.54	4.09E-04	6.44E-08	2.53E-08	5.01E-04	7.89E-08	3.10E-08	4.40E-04	6.93E-08	2.72E-08
1236	489835.89, 3858976.54	4.01E-04	6.31E-08	2.48E-08	4.91E-04	7.73E-08	3.04E-08	4.31E-04	6.79E-08	2.67E-08
1237	489885.89, 3858976.54	3.94E-04	6.20E-08	2.44E-08	4.82E-04	7.59E-08	2.98E-08	4.23E-04	6.67E-08	2.62E-08
1238	489935.89, 3858976.54	3.86E-04	6.09E-08	2.39E-08	4.73E-04	7.46E-08	2.93E-08	4.16E-04	6.55E-08	2.57E-08
1239	489985.89, 3858976.54	3.80E-04	5.98E-08	2.35E-08	4.65E-04	7.33E-08	2.88E-08	4.09E-04	6.44E-08	2.53E-08
1240	490035.89, 3858976.54	3.73E-04	5.88E-08	2.31E-08	4.57E-04	7.20E-08	2.83E-08	4.01E-04	6.32E-08	2.48E-08
1241	489385.89, 3859026.54	4.49E-04	7.08E-08	2.78E-08	5.50E-04	8.67E-08	3.41E-08	4.84E-04	7.62E-08	2.99E-08
1242	489435.89, 3859026.54	4.39E-04	6.92E-08	2.72E-08	5.38E-04	8.48E-08	3.33E-08	4.73E-04	7.45E-08	2.93E-08
1243	489485.89, 3859026.54	4.30E-04	6.77E-08	2.66E-08	5.26E-04	8.29E-08	3.26E-08	4.63E-04	7.29E-08	2.86E-08
1244	489535.89, 3859026.54	4.21E-04	6.62E-08	2.60E-08	5.15E-04	8.12E-08	3.19E-08	4.53E-04	7.13E-08	2.80E-08
1245	489585.89, 3859026.54	4.12E-04	6.49E-08	2.55E-08	5.04E-04	7.95E-08	3.12E-08	4.43E-04	6.98E-08	2.74E-08
1246	489635.89, 3859026.54	4.03E-04	6.35E-08	2.50E-08	4.94E-04	7.78E-08	3.06E-08	4.34E-04	6.84E-08	2.69E-08
1247	489685.89, 3859026.54	3.95E-04	6.23E-08	2.45E-08	4.84E-04	7.63E-08	3.00E-08	4.25E-04	6.70E-08	2.63E-08
1248	489735.89, 3859026.54	3.88E-04	6.11E-08	2.40E-08	4.75E-04	7.49E-08	2.94E-08	4.17E-04	6.58E-08	2.58E-08
1249	489785.89, 3859026.54	3.81E-04	6.00E-08	2.36E-08	4.67E-04	7.35E-08	2.89E-08	4.10E-04	6.46E-08	2.54E-08
1250	489835.89, 3859026.54	3.75E-04	5.90E-08	2.32E-08	4.59E-04	7.23E-08	2.84E-08	4.03E-04	6.35E-08	2.49E-08
1251	489885.89, 3859026.54	3.69E-04	5.81E-08	2.28E-08	4.52E-04	7.12E-08	2.80E-08	3.97E-04	6.25E-08	2.46E-08
1252	489935.89, 3859026.54	3.63E-04	5.72E-08	2.25E-08	4.45E-04	7.01E-08	2.75E-08	3.91E-04	6.15E-08	2.42E-08
1253	489985.89, 3859026.54	3.58E-04	5.64E-08	2.21E-08	4.38E-04	6.91E-08	2.71E-08	3.85E-04	6.06E-08	2.38E-08
1254	490035.89, 3859026.54	3.52E-04	5.55E-08	2.18E-08	4.31E-04	6.79E-08	2.67E-08	3.79E-04	5.96E-08	2.34E-08
1255	489485.89, 3859076.54	3.89E-04	6.13E-08	2.41E-08	4.76E-04	7.50E-08	2.95E-08	4.19E-04	6.59E-08	2.59E-08
1256	489535.89, 3859076.54	3.83E-04	6.03E-08	2.37E-08	4.69E-04	7.39E-08	2.90E-08	4.12E-04	6.49E-08	2.55E-08
1257	489585.89, 3859076.54	3.77E-04	5.94E-08	2.33E-08	4.62E-04	7.28E-08	2.86E-08	4.06E-04	6.39E-08	2.51E-08
1258	489635.89, 3859076.54	3.71E-04	5.85E-08	2.30E-08	4.55E-04	7.16E-08	2.81E-08	3.99E-04	6.29E-08	2.47E-08
1259	489685.89, 3859076.54	3.65E-04	5.76E-08	2.26E-08	4.48E-04	7.05E-08	2.77E-08	3.93E-04	6.19E-08	2.43E-08
1260	489735.89, 3859076.54	3.60E-04	5.67E-08	2.23E-08	4.41E-04	6.95E-08	2.73E-08	3.87E-04	6.10E-08	2.40E-08
1261	489785.89, 3859076.54	3.55E-04	5.59E-08	2.20E-08	4.35E-04	6.85E-08	2.69E-08	3.82E-04	6.01E-08	2.36E-08
1262	489835.89, 3859076.54	3.50E-04	5.51E-08	2.16E-08	4.28E-04	6.75E-08	2.65E-08	3.76E-04	5.93E-08	2.33E-08
1263	489885.89, 3859076.54	3.45E-04	5.43E-08	2.13E-08	4.22E-04	6.65E-08	2.61E-08	3.71E-04	5.84E-08	2.30E-08
1264	489935.89, 3859076.54	3.40E-04	5.36E-08	2.11E-08	4.17E-04	6.57E-08	2.58E-08	3.66E-04	5.77E-08	2.27E-08
1265	489985.89, 3859076.54	3.36E-04	5.30E-08	2.08E-08	4.12E-04	6.49E-08	2.55E-08	3.62E-04	5.70E-08	2.24E-08
1266	490035.89, 3859076.54	3.32E-04	5.23E-08	2.05E-08	4.06E-04	6.40E-08	2.52E-08	3.57E-04	5.62E-08	2.21E-08
1267	489585.89, 3859126.54	3.46E-04	5.45E-08	2.14E-08	4.24E-04	6.67E-08	2.62E-08	3.72E-04	5.86E-08	2.30E-08
1268	489635.89, 3859126.54	3.42E-04	5.39E-08	2.12E-08	4.19E-04	6.60E-08	2.59E-08	3.68E-04	5.79E-08	2.28E-08
1269	489685.89, 3859126.54	3.38E-04	5.32E-08	2.09E-08	4.14E-04	6.52E-08	2.56E-08	3.64E-04	5.73E-08	2.25E-08
1270	489735.89, 3859126.54	3.34E-04	5.26E-08	2.07E-08	4.09E-04	6.44E-08	2.53E-08	3.59E-04	5.66E-08	2.22E-08
1271	489785.89, 3859126.54	3.30E-04	5.20E-08	2.04E-08	4.04E-04	6.37E-08	2.50E-08	3.55E-04	5.59E-08	2.20E-08
1272	489835.89, 3859126.54	3.26E-04	5.14E-08	2.02E-08	4.00E-04	6.30E-08	2.47E-08	3.51E-04	5.53E-08	2.17E-08
1273	489885.89, 3859126.54	3.23E-04	5.08E-08	2.00E-08	3.95E-04	6.22E-08	2.45E-08	3.47E-04	5.47E-08	2.15E-08
1274	489935.89, 3859126.54	3.19E-04	5.03E-08	1.97E-08	3.91E-04	6.16E-08	2.42E-08	3.43E-04	5.40E-08	2.12E-08
1275	489985.89, 3859126.54	3.16E-04	4.97E-08	1.95E-08	3.87E-04	6.09E-08	2.39E-08	3.39E-04	5.35E-08	2.10E-08
1276	490035.89, 3859126.54	3.12E-04	4.92E-08	1.93E-08	3.83E-04	6.03E-08	2.37E-08	3.36E-04	5.29E-08	2.08E-08
1277	489585.89, 3859176.54	3.18E-04	5.01E-08	1.97E-08	3.90E-04	6.14E-08	2.41E-08	3.42E-04	5.39E-08	2.12E-08
1278	489635.89, 3859176.54	3.16E-04	4.97E-08	1.95E-08	3.87E-04	6.09E-08	2.39E-08	3.40E-04	5.35E-08	2.10E-08
1279	489685.89, 3859176.54	3.13E-04	4.93E-08	1.94E-08	3.83E-04	6.04E-08	2.37E-08	3.37E-04	5.30E-08	2.08E-08
1280	489735.89, 3859176.54	3.10E-04	4.89E-08	1.92E-08	3.80E-04	5.99E-08	2.35E-08	3.34E-04	5.26E-08	2.07E-08
1281	489785.89, 3859176.54	3.08E-04	4.85E-08	1.90E-08	3.77E-04	5.94E-08	2.33E-08	3.31E-04	5.21E-08	2.05E-08
1282	489835.89, 3859176.54	3.05E-04	4.80E-08	1.89E-08	3.73E-04	5.88E-08	2.31E-08	3.28E-04	5.17E-08	2.03E-08
1283	489885.89, 3859176.54	3.02E-04	4.76E-08	1.87E-08	3.70E-04	5.83E-08	2.29E-08	3.25E-04	5.12E-08	2.01E-08
1284	489935.89, 3859176.54	2.99E-04	4.72E-08	1.85E-08	3.67E-04	5.78E-08	2.27E-08	3.22E-04	5.07E-08	1.99E-08
1285	489985.89, 3859176.54	2.97E-04	4.67E-08	1.84E-08	3.63E-04	5.72E-08	2.25E-08	3.19E-04	5.02E-08	1.97E-08
1286	490035.89, 3859176.54	2.94E-04	4.63E-08	1.82E-08	3.60E-04	5.67E-08	2.23E-08	3.16E-04	4.98E-08	1.96E-08
1287	489685.89, 3859226.54	2.91E-04	4.58E-08	1.80E-08	3.56E-04	5.61E-08	2.21E-08	3.13E-04	4.93E-08	1.94E-08
1288	489735.89, 3859226.54	2.89E-04	4.55E-08	1.79E-08	3.54E-04	5.58E-08	2.19E-08	3.11E-04	4.90E-08	1.92E-08
1289	489785.89, 3859226.54	2.87E-04	4.52E-08	1.78E-08	3.52E-04	5.54E-08	2.18E-08	3.09E-04	4.87E-08	1.91E-08
1290	489835.89, 3859226.54	2.85E-04	4.50E-08	1.77E-08	3.50E-04	5.51E-08	2.16E-08	3.07E-04	4.83E-08	1.90E-08
1291	489885.89, 3859226.54	2.83E-04	4.46E-08	1.75E-08	3.47E-04	5.47E-08	2.15E-08	3.05E-04	4.80E-08	1.89E-08
1292	489935.89, 3859226.54	2.81E-04	4.43E-08	1.74E-08	3.45E-04	5.43E-08	2.13E-08	3.03E-04	4.77E-08	1.87E-08
1293	489985.89, 3859226.54	2.79E-04	4.40E-08	1.73E-08	3.42E-04	5.38E-08	2.12E-08	3.00E-04	4.73E-08	1.86E-08
1294	490035.89, 3859226.54	2.77E-04	4.37E-08	1.71E-08	3.39E-04	5.35E-08	2.10E-08	2.98E-04	4.69E-08	1.84E-08
1295	489735.89, 3859276.54	2.70E-04	4.25E-08	1.67E-08	3.31E-04	5.21E-08	2.05E-08	2.90E-04	4.57E-08	1.80E-08
1296	489785.89, 3859276.54	2.69E-04	4.23E-08	1.66E-08	3.29E-04	5.19E-08	2.04E-08	2.89E-04	4.55E-08	1.79E-08

1297	489835.89, 3859276.54	2.68E-04	4.22E-08	1.66E-08	3.28E-04	5.16E-08	2.03E-08	2.88E-04	4.53E-08	1.78E-08
1298	489885.89, 3859276.54	2.66E-04	4.19E-08	1.65E-08	3.26E-04	5.14E-08	2.02E-08	2.86E-04	4.51E-08	1.77E-08
1299	489935.89, 3859276.54	2.65E-04	4.17E-08	1.64E-08	3.25E-04	5.11E-08	2.01E-08	2.85E-04	4.49E-08	1.76E-08
1300	489985.89, 3859276.54	2.63E-04	4.15E-08	1.63E-08	3.22E-04	5.08E-08	2.00E-08	2.83E-04	4.46E-08	1.75E-08
1301	490035.89, 3859276.54	2.62E-04	4.12E-08	1.62E-08	3.21E-04	5.05E-08	1.98E-08	2.81E-04	4.43E-08	1.74E-08
1302	490458.06, 3859590.74	1.87E-04	2.94E-08	1.16E-08	2.29E-04	3.60E-08	1.42E-08	2.01E-04	3.16E-08	1.24E-08
1303	490508.06, 3859590.74	1.87E-04	2.94E-08	1.16E-08	2.29E-04	3.60E-08	1.42E-08	2.01E-04	3.16E-08	1.24E-08
1304	490558.06, 3859590.74	1.87E-04	2.94E-08	1.16E-08	2.29E-04	3.61E-08	1.42E-08	2.01E-04	3.16E-08	1.24E-08
1305	490608.06, 3859590.74	1.87E-04	2.94E-08	1.16E-08	2.29E-04	3.60E-08	1.42E-08	2.01E-04	3.16E-08	1.24E-08
1306	490658.06, 3859590.74	1.87E-04	2.94E-08	1.16E-08	2.29E-04	3.60E-08	1.41E-08	2.01E-04	3.16E-08	1.24E-08
1307	490708.06, 3859590.74	1.86E-04	2.94E-08	1.15E-08	2.28E-04	3.60E-08	1.41E-08	2.00E-04	3.15E-08	1.24E-08
1308	490758.06, 3859590.74	1.86E-04	2.93E-08	1.15E-08	2.28E-04	3.59E-08	1.41E-08	2.00E-04	3.15E-08	1.24E-08
1309	490808.06, 3859590.74	1.86E-04	2.92E-08	1.15E-08	2.27E-04	3.58E-08	1.41E-08	1.99E-04	3.14E-08	1.23E-08
1310	490858.06, 3859590.74	1.85E-04	2.92E-08	1.15E-08	2.27E-04	3.57E-08	1.40E-08	1.99E-04	3.13E-08	1.23E-08
1311	490458.06, 3859640.74	1.79E-04	2.81E-08	1.10E-08	2.19E-04	3.44E-08	1.35E-08	1.92E-04	3.02E-08	1.19E-08
1312	490508.06, 3859640.74	1.79E-04	2.81E-08	1.11E-08	2.19E-04	3.45E-08	1.35E-08	1.92E-04	3.02E-08	1.19E-08
1313	490558.06, 3859640.74	1.79E-04	2.81E-08	1.11E-08	2.19E-04	3.45E-08	1.35E-08	1.92E-04	3.02E-08	1.19E-08
1314	490608.06, 3859640.74	1.79E-04	2.82E-08	1.11E-08	2.19E-04	3.45E-08	1.36E-08	1.92E-04	3.03E-08	1.19E-08
1315	490658.06, 3859640.74	1.79E-04	2.82E-08	1.11E-08	2.19E-04	3.46E-08	1.36E-08	1.93E-04	3.03E-08	1.19E-08
1316	490708.06, 3859640.74	1.79E-04	2.82E-08	1.11E-08	2.19E-04	3.46E-08	1.36E-08	1.92E-04	3.03E-08	1.19E-08
1317	490758.06, 3859640.74	1.79E-04	2.82E-08	1.11E-08	2.19E-04	3.45E-08	1.36E-08	1.92E-04	3.03E-08	1.19E-08
1318	490808.06, 3859640.74	1.79E-04	2.81E-08	1.11E-08	2.19E-04	3.45E-08	1.35E-08	1.92E-04	3.02E-08	1.19E-08
1319	490858.06, 3859640.74	1.78E-04	2.81E-08	1.10E-08	2.19E-04	3.44E-08	1.35E-08	1.92E-04	3.02E-08	1.19E-08
1320	490608.06, 3859690.74	1.71E-04	2.70E-08	1.06E-08	2.10E-04	3.31E-08	1.30E-08	1.84E-04	2.90E-08	1.14E-08
1321	490658.06, 3859690.74	1.72E-04	2.71E-08	1.06E-08	2.11E-04	3.32E-08	1.30E-08	1.85E-04	2.91E-08	1.14E-08
1322	490708.06, 3859690.74	1.72E-04	2.71E-08	1.07E-08	2.11E-04	3.32E-08	1.30E-08	1.85E-04	2.91E-08	1.14E-08
1323	490758.06, 3859690.74	1.72E-04	2.71E-08	1.07E-08	2.11E-04	3.32E-08	1.30E-08	1.85E-04	2.91E-08	1.14E-08
1324	490808.06, 3859690.74	1.72E-04	2.71E-08	1.06E-08	2.11E-04	3.32E-08	1.30E-08	1.85E-04	2.91E-08	1.14E-08
1325	490858.06, 3859690.74	1.72E-04	2.71E-08	1.06E-08	2.10E-04	3.31E-08	1.30E-08	1.85E-04	2.91E-08	1.14E-08
1326	490708.06, 3859740.74	1.65E-04	2.60E-08	1.02E-08	2.02E-04	3.19E-08	1.25E-08	1.77E-04	2.80E-08	1.10E-08
1327	490758.06, 3859740.74	1.65E-04	2.60E-08	1.02E-08	2.02E-04	3.19E-08	1.25E-08	1.78E-04	2.80E-08	1.10E-08
1328	490808.06, 3859740.74	1.65E-04	2.60E-08	1.02E-08	2.03E-04	3.19E-08	1.25E-08	1.78E-04	2.80E-08	1.10E-08
1329	490858.06, 3859740.74	1.65E-04	2.60E-08	1.02E-08	2.02E-04	3.19E-08	1.25E-08	1.78E-04	2.80E-08	1.10E-08
1330	490786.56, 3859749.39	1.64E-04	2.59E-08	1.02E-08	2.01E-04	3.17E-08	1.24E-08	1.76E-04	2.78E-08	1.09E-08
1331	490836.56, 3859749.39	1.64E-04	2.59E-08	1.02E-08	2.01E-04	3.17E-08	1.24E-08	1.76E-04	2.78E-08	1.09E-08
1332	490786.56, 3859799.39	1.57E-04	2.48E-08	9.74E-09	1.93E-04	3.04E-08	1.19E-08	1.69E-04	2.66E-08	1.05E-08
1333	490836.56, 3859799.39	1.58E-04	2.48E-08	9.76E-09	1.93E-04	3.04E-08	1.20E-08	1.69E-04	2.67E-08	1.05E-08
1334	492307.84, 3854508.36	2.36E-04	3.72E-08	1.46E-08	2.89E-04	4.55E-08	1.79E-08	2.54E-04	3.99E-08	1.57E-08
1335	486445.7, 3854753.6	6.65E-04	1.05E-07	4.12E-08	8.15E-04	1.28E-07	5.04E-08	7.12E-04	1.12E-07	4.41E-08
1336	472599.75, 3877830.11	6.35E-06	1.00E-09	3.93E-10	7.78E-06	1.23E-09	4.81E-10	6.83E-06	1.08E-09	4.22E-10
1337	493107.48, 3866840.19	1.98E-05	3.12E-09	1.22E-09	2.42E-05	3.82E-09	1.50E-09	2.12E-05	3.35E-09	1.32E-09
1338	495815.8, 3861662.87	6.10E-05	9.61E-09	3.77E-09	7.47E-05	1.18E-08	4.62E-09	6.54E-05	1.03E-08	4.05E-09
1339	480272.33, 3841389.2	2.09E-06	3.29E-10	1.29E-10	2.55E-06	4.02E-10	1.58E-10	2.24E-06	3.53E-10	1.39E-10
1340	497005.18, 3862813.64	4.25E-05	6.70E-09	2.63E-09	5.21E-05	8.21E-09	3.22E-09	4.57E-05	7.19E-09	2.83E-09
1341	493677.33, 3860302.55	1.13E-04	1.79E-08	7.01E-09	1.39E-04	2.19E-08	8.59E-09	1.22E-04	1.92E-08	7.53E-09
1342	493727.33, 3860302.55	1.13E-04	1.78E-08	7.00E-09	1.39E-04	2.18E-08	8.57E-09	1.21E-04	1.91E-08	7.51E-09
1343	493777.33, 3860302.55	1.13E-04	1.78E-08	6.99E-09	1.38E-04	2.18E-08	8.56E-09	1.21E-04	1.91E-08	7.50E-09
1344	493827.33, 3860302.55	1.13E-04	1.78E-08	6.98E-09	1.38E-04	2.17E-08	8.54E-09	1.21E-04	1.91E-08	7.49E-09
1345	493877.33, 3860302.55	1.12E-04	1.77E-08	6.96E-09	1.38E-04	2.17E-08	8.52E-09	1.21E-04	1.90E-08	7.47E-09
1346	493927.33, 3860302.55	1.12E-04	1.77E-08	6.94E-09	1.37E-04	2.16E-08	8.50E-09	1.20E-04	1.90E-08	7.45E-09
1347	493977.33, 3860302.55	1.12E-04	1.76E-08	6.93E-09	1.37E-04	2.16E-08	8.49E-09	1.20E-04	1.89E-08	7.44E-09
1348	494027.33, 3860302.55	1.12E-04	1.76E-08	6.92E-09	1.37E-04	2.16E-08	8.47E-09	1.20E-04	1.89E-08	7.43E-09
1349	493677.33, 3860352.55	1.11E-04	1.74E-08	6.85E-09	1.36E-04	2.14E-08	8.39E-09	1.19E-04	1.87E-08	7.36E-09
1350	493727.33, 3860352.55	1.10E-04	1.74E-08	6.84E-09	1.35E-04	2.13E-08	8.37E-09	1.19E-04	1.87E-08	7.34E-09
1351	493777.33, 3860352.55	1.10E-04	1.74E-08	6.82E-09	1.35E-04	2.13E-08	8.35E-09	1.18E-04	1.86E-08	7.32E-09
1352	493827.33, 3860352.55	1.10E-04	1.73E-08	6.81E-09	1.35E-04	2.12E-08	8.34E-09	1.18E-04	1.86E-08	7.31E-09
1353	493877.33, 3860352.55	1.10E-04	1.73E-08	6.80E-09	1.35E-04	2.12E-08	8.33E-09	1.18E-04	1.86E-08	7.30E-09
1354	493927.33, 3860352.55	1.10E-04	1.73E-08	6.80E-09	1.34E-04	2.12E-08	8.32E-09	1.18E-04	1.86E-08	7.30E-09
1355	493977.33, 3860352.55	1.10E-04	1.73E-08	6.79E-09	1.34E-04	2.12E-08	8.32E-09	1.18E-04	1.86E-08	7.29E-09
1356	494027.33, 3860352.55	1.09E-04	1.72E-08	6.77E-09	1.34E-04	2.11E-08	8.30E-09	1.18E-04	1.85E-08	7.27E-09
1357	493677.33, 3860402.55	1.08E-04	1.70E-08	6.68E-09	1.32E-04	2.08E-08	8.19E-09	1.16E-04	1.83E-08	7.18E-09
1358	493727.33, 3860402.55	1.08E-04	1.70E-08	6.67E-09	1.32E-04	2.08E-08	8.17E-09	1.16E-04	1.82E-08	7.16E-09
1359	493777.33, 3860402.55	1.08E-04	1.70E-08	6.67E-09	1.32E-04	2.08E-08	8.17E-09	1.16E-04	1.82E-08	7.16E-09
1360	493827.33, 3860402.55	1.08E-04	1.69E-08	6.65E-09	1.32E-04	2.07E-08	8.15E-09	1.15E-04	1.82E-08	7.14E-09
1361	493877.33, 3860402.55	1.07E-04	1.69E-08	6.64E-09	1.31E-04	2.07E-08	8.13E-09	1.15E-04	1.81E-08	7.13E-09

1362	493927.33, 3860402.55	1.07E-04	1.69E-08	6.64E-09	1.31E-04	2.07E-08	8.13E-09	1.15E-04	1.81E-08	7.13E-09
1363	493977.33, 3860402.55	1.07E-04	1.69E-08	6.65E-09	1.32E-04	2.07E-08	8.14E-09	1.15E-04	1.82E-08	7.14E-09
1364	494027.33, 3860402.55	1.07E-04	1.69E-08	6.63E-09	1.31E-04	2.07E-08	8.12E-09	1.15E-04	1.81E-08	7.12E-09
1365	493677.33, 3860452.55	1.06E-04	1.66E-08	6.53E-09	1.29E-04	2.04E-08	8.00E-09	1.13E-04	1.78E-08	7.01E-09
1366	493727.33, 3860452.55	1.05E-04	1.66E-08	6.51E-09	1.29E-04	2.03E-08	7.97E-09	1.13E-04	1.78E-08	6.99E-09
1367	493777.33, 3860452.55	1.05E-04	1.65E-08	6.50E-09	1.29E-04	2.03E-08	7.96E-09	1.13E-04	1.78E-08	6.98E-09
1368	493827.33, 3860452.55	1.05E-04	1.65E-08	6.50E-09	1.29E-04	2.03E-08	7.96E-09	1.13E-04	1.78E-08	6.98E-09
1369	493877.33, 3860452.55	1.05E-04	1.65E-08	6.50E-09	1.29E-04	2.03E-08	7.96E-09	1.13E-04	1.78E-08	6.97E-09
1370	493927.33, 3860452.55	1.05E-04	1.66E-08	6.50E-09	1.29E-04	2.03E-08	7.96E-09	1.13E-04	1.78E-08	6.98E-09
1371	493977.33, 3860452.55	1.05E-04	1.65E-08	6.49E-09	1.28E-04	2.02E-08	7.95E-09	1.13E-04	1.77E-08	6.97E-09
1372	494027.33, 3860452.55	1.05E-04	1.65E-08	6.48E-09	1.28E-04	2.02E-08	7.94E-09	1.12E-04	1.77E-08	6.96E-09
1373	493677.33, 3860502.55	1.03E-04	1.62E-08	6.38E-09	1.26E-04	1.99E-08	7.81E-09	1.11E-04	1.74E-08	6.85E-09
1374	493727.33, 3860502.55	1.03E-04	1.62E-08	6.36E-09	1.26E-04	1.98E-08	7.79E-09	1.10E-04	1.74E-08	6.83E-09
1375	493777.33, 3860502.55	1.03E-04	1.62E-08	6.35E-09	1.26E-04	1.98E-08	7.78E-09	1.10E-04	1.74E-08	6.82E-09
1376	493827.33, 3860502.55	1.03E-04	1.62E-08	6.35E-09	1.26E-04	1.98E-08	7.77E-09	1.10E-04	1.73E-08	6.81E-09
1377	493877.33, 3860502.55	1.03E-04	1.62E-08	6.35E-09	1.26E-04	1.98E-08	7.78E-09	1.10E-04	1.73E-08	6.82E-09
1378	493927.33, 3860502.55	1.03E-04	1.62E-08	6.35E-09	1.26E-04	1.98E-08	7.78E-09	1.10E-04	1.74E-08	6.82E-09
1379	493977.33, 3860502.55	1.02E-04	1.61E-08	6.34E-09	1.25E-04	1.98E-08	7.77E-09	1.10E-04	1.73E-08	6.81E-09
1380	494027.33, 3860502.55	1.02E-04	1.61E-08	6.33E-09	1.25E-04	1.97E-08	7.76E-09	1.10E-04	1.73E-08	6.80E-09
1381	493627.33, 3860552.55	1.01E-04	1.59E-08	6.23E-09	1.23E-04	1.94E-08	7.63E-09	1.08E-04	1.70E-08	6.69E-09
1382	493677.33, 3860552.55	1.00E-04	1.58E-08	6.22E-09	1.23E-04	1.94E-08	7.61E-09	1.08E-04	1.70E-08	6.67E-09
1383	493727.33, 3860552.55	1.00E-04	1.58E-08	6.20E-09	1.23E-04	1.93E-08	7.60E-09	1.08E-04	1.70E-08	6.66E-09
1384	493777.33, 3860552.55	1.00E-04	1.58E-08	6.20E-09	1.23E-04	1.93E-08	7.60E-09	1.08E-04	1.69E-08	6.66E-09
1385	493827.33, 3860552.55	1.00E-04	1.58E-08	6.21E-09	1.23E-04	1.94E-08	7.60E-09	1.08E-04	1.70E-08	6.66E-09
1386	493877.33, 3860552.55	1.00E-04	1.58E-08	6.20E-09	1.23E-04	1.93E-08	7.59E-09	1.07E-04	1.69E-08	6.65E-09
1387	493927.33, 3860552.55	1.00E-04	1.58E-08	6.20E-09	1.23E-04	1.93E-08	7.59E-09	1.08E-04	1.69E-08	6.65E-09
1388	493977.33, 3860552.55	1.00E-04	1.58E-08	6.20E-09	1.23E-04	1.93E-08	7.59E-09	1.08E-04	1.69E-08	6.66E-09
1389	494027.33, 3860552.55	1.00E-04	1.58E-08	6.19E-09	1.22E-04	1.93E-08	7.58E-09	1.07E-04	1.69E-08	6.64E-09
1390	493627.33, 3860602.55	9.82E-05	1.55E-08	6.08E-09	1.20E-04	1.89E-08	7.44E-09	1.05E-04	1.66E-08	6.52E-09
1391	493727.33, 3860602.55	9.77E-05	1.54E-08	6.04E-09	1.20E-04	1.88E-08	7.40E-09	1.05E-04	1.65E-08	6.49E-09
1392	493777.33, 3860602.55	9.78E-05	1.54E-08	6.06E-09	1.20E-04	1.89E-08	7.42E-09	1.05E-04	1.65E-08	6.50E-09
1393	493827.33, 3860602.55	9.78E-05	1.54E-08	6.05E-09	1.20E-04	1.89E-08	7.41E-09	1.05E-04	1.65E-08	6.50E-09
1394	493877.33, 3860602.55	9.79E-05	1.54E-08	6.06E-09	1.20E-04	1.89E-08	7.42E-09	1.05E-04	1.66E-08	6.50E-09
1395	493927.33, 3860602.55	9.79E-05	1.54E-08	6.06E-09	1.20E-04	1.89E-08	7.42E-09	1.05E-04	1.66E-08	6.50E-09
1396	493977.33, 3860602.55	9.79E-05	1.54E-08	6.06E-09	1.20E-04	1.89E-08	7.42E-09	1.05E-04	1.66E-08	6.50E-09
1397	494027.33, 3860602.55	9.77E-05	1.54E-08	6.05E-09	1.20E-04	1.89E-08	7.41E-09	1.05E-04	1.65E-08	6.49E-09
1398	493627.33, 3860652.55	9.57E-05	1.51E-08	5.92E-09	1.17E-04	1.85E-08	7.25E-09	1.03E-04	1.62E-08	6.36E-09
1399	493727.33, 3860652.55	9.53E-05	1.50E-08	5.90E-09	1.17E-04	1.84E-08	7.22E-09	1.02E-04	1.61E-08	6.33E-09
1400	493777.33, 3860652.55	9.54E-05	1.50E-08	5.90E-09	1.17E-04	1.84E-08	7.23E-09	1.02E-04	1.61E-08	6.34E-09
1401	493827.33, 3860652.55	9.55E-05	1.50E-08	5.91E-09	1.17E-04	1.84E-08	7.24E-09	1.03E-04	1.61E-08	6.34E-09
1402	493877.33, 3860652.55	9.56E-05	1.51E-08	5.92E-09	1.17E-04	1.85E-08	7.25E-09	1.03E-04	1.62E-08	6.35E-09
1403	493927.33, 3860652.55	9.56E-05	1.51E-08	5.92E-09	1.17E-04	1.85E-08	7.25E-09	1.03E-04	1.62E-08	6.35E-09
1404	493977.33, 3860652.55	9.56E-05	1.51E-08	5.92E-09	1.17E-04	1.84E-08	7.25E-09	1.03E-04	1.62E-08	6.35E-09
1405	494027.33, 3860652.55	9.57E-05	1.51E-08	5.92E-09	1.17E-04	1.85E-08	7.25E-09	1.03E-04	1.62E-08	6.36E-09
1406	494311.06, 3858401.99	1.28E-04	2.02E-08	7.94E-09	1.57E-04	2.48E-08	9.73E-09	1.38E-04	2.17E-08	8.52E-09
1407	494361.06, 3858401.99	1.26E-04	1.98E-08	7.80E-09	1.54E-04	2.43E-08	9.55E-09	1.35E-04	2.13E-08	8.37E-09
1408	494411.06, 3858401.99	1.24E-04	1.96E-08	7.70E-09	1.52E-04	2.40E-08	9.43E-09	1.34E-04	2.10E-08	8.26E-09
1409	494461.06, 3858401.99	1.24E-04	1.95E-08	7.65E-09	1.51E-04	2.39E-08	9.38E-09	1.33E-04	2.09E-08	8.22E-09
1410	494511.06, 3858401.99	1.22E-04	1.92E-08	7.55E-09	1.49E-04	2.35E-08	9.25E-09	1.31E-04	2.06E-08	8.10E-09
1411	494561.06, 3858401.99	1.21E-04	1.91E-08	7.50E-09	1.48E-04	2.34E-08	9.19E-09	1.30E-04	2.05E-08	8.05E-09
1412	494611.06, 3858401.99	1.19E-04	1.88E-08	7.39E-09	1.46E-04	2.31E-08	9.06E-09	1.28E-04	2.02E-08	7.94E-09
1413	494661.06, 3858401.99	1.18E-04	1.86E-08	7.31E-09	1.45E-04	2.28E-08	8.95E-09	1.27E-04	2.00E-08	7.84E-09
1414	494711.06, 3858401.99	1.16E-04	1.83E-08	7.17E-09	1.42E-04	2.24E-08	8.78E-09	1.24E-04	1.96E-08	7.70E-09
1415	494761.06, 3858401.99	1.15E-04	1.81E-08	7.10E-09	1.41E-04	2.21E-08	8.70E-09	1.23E-04	1.94E-08	7.62E-09
1416	494811.06, 3858401.99	1.13E-04	1.78E-08	7.00E-09	1.39E-04	2.18E-08	8.57E-09	1.21E-04	1.91E-08	7.51E-09
1417	494861.06, 3858401.99	1.12E-04	1.76E-08	6.91E-09	1.37E-04	2.15E-08	8.46E-09	1.20E-04	1.89E-08	7.42E-09
1418	494911.06, 3858401.99	1.10E-04	1.74E-08	6.82E-09	1.35E-04	2.13E-08	8.36E-09	1.18E-04	1.86E-08	7.32E-09
1419	494961.06, 3858401.99	1.09E-04	1.71E-08	6.73E-09	1.33E-04	2.10E-08	8.24E-09	1.17E-04	1.84E-08	7.22E-09
1420	495011.06, 3858401.99	1.07E-04	1.68E-08	6.61E-09	1.31E-04	2.06E-08	8.10E-09	1.15E-04	1.81E-08	7.10E-09
1421	495061.06, 3858401.99	1.05E-04	1.66E-08	6.52E-09	1.29E-04	2.03E-08	7.99E-09	1.13E-04	1.78E-08	7.00E-09
1422	495111.06, 3858401.99	1.03E-04	1.62E-08	6.35E-09	1.26E-04	1.98E-08	7.77E-09	1.10E-04	1.73E-08	6.81E-09
1423	495161.06, 3858401.99	1.02E-04	1.61E-08	6.32E-09	1.25E-04	1.97E-08	7.74E-09	1.10E-04	1.73E-08	6.78E-09
1424	495211.06, 3858401.99	9.96E-05	1.57E-08	6.17E-09	1.22E-04	1.92E-08	7.55E-09	1.07E-04	1.68E-08	6.62E-09
1425	495261.06, 3858401.99	9.83E-05	1.55E-08	6.09E-09	1.20E-04	1.90E-08	7.46E-09	1.06E-04	1.66E-08	6.53E-09
1426	495311.06, 3858401.99	9.70E-05	1.53E-08	6.00E-09	1.19E-04	1.87E-08	7.35E-09	1.04E-04	1.64E-08	6.44E-09

1427	495361.06, 3858401.99	9.61E-05	1.51E-08	5.95E-09	1.18E-04	1.85E-08	7.28E-09	1.03E-04	1.62E-08	6.38E-09
1428	495411.06, 3858401.99	9.56E-05	1.51E-08	5.91E-09	1.17E-04	1.84E-08	7.24E-09	1.03E-04	1.62E-08	6.35E-09
1429	495461.06, 3858401.99	9.52E-05	1.50E-08	5.89E-09	1.17E-04	1.84E-08	7.22E-09	1.02E-04	1.61E-08	6.33E-09
1430	495511.06, 3858401.99	9.47E-05	1.49E-08	5.86E-09	1.16E-04	1.83E-08	7.18E-09	1.02E-04	1.60E-08	6.29E-09
1431	495561.06, 3858401.99	9.35E-05	1.47E-08	5.79E-09	1.15E-04	1.80E-08	7.09E-09	1.00E-04	1.58E-08	6.21E-09
1432	495611.06, 3858401.99	9.31E-05	1.47E-08	5.76E-09	1.14E-04	1.80E-08	7.05E-09	9.99E-05	1.57E-08	6.18E-09
1433	495661.06, 3858401.99	9.37E-05	1.48E-08	5.80E-09	1.15E-04	1.81E-08	7.10E-09	1.01E-04	1.58E-08	6.22E-09
1434	494311.06, 3858451.99	1.31E-04	2.06E-08	8.10E-09	1.60E-04	2.53E-08	9.92E-09	1.40E-04	2.21E-08	8.69E-09
1435	494361.06, 3858451.99	1.29E-04	2.03E-08	7.98E-09	1.58E-04	2.49E-08	9.78E-09	1.38E-04	2.18E-08	8.57E-09
1436	494411.06, 3858451.99	1.27E-04	2.01E-08	7.89E-09	1.56E-04	2.46E-08	9.66E-09	1.37E-04	2.15E-08	8.46E-09
1437	494461.06, 3858451.99	1.26E-04	1.99E-08	7.80E-09	1.54E-04	2.43E-08	9.55E-09	1.35E-04	2.13E-08	8.37E-09
1438	494511.06, 3858451.99	1.25E-04	1.97E-08	7.75E-09	1.53E-04	2.42E-08	9.49E-09	1.34E-04	2.12E-08	8.32E-09
1439	494561.06, 3858451.99	1.23E-04	1.94E-08	7.64E-09	1.51E-04	2.38E-08	9.36E-09	1.32E-04	2.09E-08	8.20E-09
1440	494611.06, 3858451.99	1.22E-04	1.92E-08	7.56E-09	1.50E-04	2.36E-08	9.25E-09	1.31E-04	2.06E-08	8.11E-09
1441	494661.06, 3858451.99	1.21E-04	1.90E-08	7.47E-09	1.48E-04	2.33E-08	9.15E-09	1.29E-04	2.04E-08	8.01E-09
1442	494711.06, 3858451.99	1.19E-04	1.87E-08	7.35E-09	1.45E-04	2.29E-08	9.00E-09	1.27E-04	2.01E-08	7.89E-09
1443	494761.06, 3858451.99	1.17E-04	1.84E-08	7.23E-09	1.43E-04	2.26E-08	8.86E-09	1.25E-04	1.98E-08	7.76E-09
1444	494811.06, 3858451.99	1.15E-04	1.82E-08	7.14E-09	1.41E-04	2.23E-08	8.75E-09	1.24E-04	1.95E-08	7.67E-09
1445	494861.06, 3858451.99	1.14E-04	1.79E-08	7.04E-09	1.39E-04	2.19E-08	8.62E-09	1.22E-04	1.92E-08	7.55E-09
1446	494911.06, 3858451.99	1.12E-04	1.76E-08	6.91E-09	1.37E-04	2.16E-08	8.47E-09	1.20E-04	1.89E-08	7.42E-09
1447	494961.06, 3858451.99	1.10E-04	1.73E-08	6.80E-09	1.35E-04	2.12E-08	8.33E-09	1.18E-04	1.86E-08	7.30E-09
1448	495011.06, 3858451.99	1.08E-04	1.70E-08	6.67E-09	1.32E-04	2.08E-08	8.17E-09	1.16E-04	1.82E-08	7.16E-09
1449	495061.06, 3858451.99	1.07E-04	1.68E-08	6.62E-09	1.31E-04	2.06E-08	8.10E-09	1.15E-04	1.81E-08	7.10E-09
1450	495111.06, 3858451.99	1.05E-04	1.65E-08	6.49E-09	1.29E-04	2.02E-08	7.95E-09	1.13E-04	1.77E-08	6.97E-09
1451	495161.06, 3858451.99	1.03E-04	1.62E-08	6.36E-09	1.26E-04	1.98E-08	7.79E-09	1.10E-04	1.74E-08	6.82E-09
1452	495211.06, 3858451.99	1.01E-04	1.59E-08	6.24E-09	1.23E-04	1.94E-08	7.64E-09	1.08E-04	1.70E-08	6.69E-09
1453	495261.06, 3858451.99	9.95E-05	1.57E-08	6.16E-09	1.22E-04	1.92E-08	7.54E-09	1.07E-04	1.68E-08	6.61E-09
1454	495311.06, 3858451.99	9.84E-05	1.55E-08	6.09E-09	1.21E-04	1.90E-08	7.46E-09	1.06E-04	1.66E-08	6.54E-09
1455	495361.06, 3858451.99	9.76E-05	1.54E-08	6.04E-09	1.20E-04	1.88E-08	7.40E-09	1.05E-04	1.65E-08	6.48E-09
1456	495411.06, 3858451.99	9.72E-05	1.53E-08	6.01E-09	1.19E-04	1.88E-08	7.37E-09	1.04E-04	1.64E-08	6.46E-09
1457	495461.06, 3858451.99	9.69E-05	1.53E-08	6.00E-09	1.19E-04	1.87E-08	7.35E-09	1.04E-04	1.64E-08	6.44E-09
1458	495511.06, 3858451.99	9.59E-05	1.51E-08	5.93E-09	1.17E-04	1.85E-08	7.27E-09	1.03E-04	1.62E-08	6.37E-09
1459	495561.06, 3858451.99	9.60E-05	1.51E-08	5.94E-09	1.18E-04	1.85E-08	7.28E-09	1.03E-04	1.62E-08	6.38E-09
1460	495611.06, 3858451.99	9.48E-05	1.49E-08	5.86E-09	1.16E-04	1.83E-08	7.18E-09	1.02E-04	1.60E-08	6.29E-09
1461	495661.06, 3858451.99	9.46E-05	1.49E-08	5.86E-09	1.16E-04	1.83E-08	7.17E-09	1.02E-04	1.60E-08	6.29E-09
1462	494311.06, 3858501.99	1.31E-04	2.07E-08	8.12E-09	1.61E-04	2.53E-08	9.94E-09	1.41E-04	2.22E-08	8.71E-09
1463	494361.06, 3858501.99	1.30E-04	2.05E-08	8.04E-09	1.59E-04	2.51E-08	9.85E-09	1.39E-04	2.20E-08	8.63E-09
1464	494411.06, 3858501.99	1.28E-04	2.02E-08	7.95E-09	1.57E-04	2.48E-08	9.74E-09	1.38E-04	2.17E-08	8.53E-09
1465	494461.06, 3858501.99	1.28E-04	2.01E-08	7.90E-09	1.56E-04	2.46E-08	9.67E-09	1.37E-04	2.16E-08	8.47E-09
1466	494511.06, 3858501.99	1.26E-04	1.98E-08	7.78E-09	1.54E-04	2.42E-08	9.52E-09	1.35E-04	2.12E-08	8.35E-09
1467	494561.06, 3858501.99	1.26E-04	1.98E-08	7.78E-09	1.54E-04	2.43E-08	9.53E-09	1.35E-04	2.13E-08	8.35E-09
1468	494611.06, 3858501.99	1.24E-04	1.96E-08	7.68E-09	1.52E-04	2.40E-08	9.41E-09	1.33E-04	2.10E-08	8.25E-09
1469	494661.06, 3858501.99	1.23E-04	1.94E-08	7.62E-09	1.51E-04	2.37E-08	9.33E-09	1.32E-04	2.08E-08	8.17E-09
1470	494711.06, 3858501.99	1.21E-04	1.91E-08	7.50E-09	1.48E-04	2.34E-08	9.18E-09	1.30E-04	2.05E-08	8.05E-09
1471	494761.06, 3858501.99	1.19E-04	1.87E-08	7.36E-09	1.46E-04	2.30E-08	9.02E-09	1.28E-04	2.01E-08	7.90E-09
1472	494811.06, 3858501.99	1.17E-04	1.84E-08	7.24E-09	1.43E-04	2.26E-08	8.87E-09	1.26E-04	1.98E-08	7.77E-09
1473	494861.06, 3858501.99	1.16E-04	1.82E-08	7.16E-09	1.42E-04	2.23E-08	8.77E-09	1.24E-04	1.96E-08	7.68E-09
1474	494911.06, 3858501.99	1.13E-04	1.78E-08	6.99E-09	1.38E-04	2.18E-08	8.56E-09	1.21E-04	1.91E-08	7.50E-09
1475	494961.06, 3858501.99	1.12E-04	1.76E-08	6.90E-09	1.37E-04	2.15E-08	8.46E-09	1.20E-04	1.89E-08	7.41E-09
1476	495011.06, 3858501.99	1.09E-04	1.72E-08	6.76E-09	1.34E-04	2.11E-08	8.28E-09	1.17E-04	1.85E-08	7.26E-09
1477	495061.06, 3858501.99	1.08E-04	1.71E-08	6.70E-09	1.33E-04	2.09E-08	8.21E-09	1.16E-04	1.83E-08	7.19E-09
1478	495111.06, 3858501.99	1.05E-04	1.66E-08	6.53E-09	1.29E-04	2.03E-08	7.99E-09	1.13E-04	1.78E-08	7.01E-09
1479	495161.06, 3858501.99	1.04E-04	1.63E-08	6.41E-09	1.27E-04	2.00E-08	7.86E-09	1.11E-04	1.75E-08	6.89E-09
1480	495211.06, 3858501.99	1.02E-04	1.61E-08	6.31E-09	1.25E-04	1.97E-08	7.72E-09	1.09E-04	1.72E-08	6.77E-09
1481	495261.06, 3858501.99	1.01E-04	1.59E-08	6.23E-09	1.23E-04	1.94E-08	7.63E-09	1.08E-04	1.70E-08	6.69E-09
1482	495311.06, 3858501.99	1.00E-04	1.57E-08	6.19E-09	1.22E-04	1.93E-08	7.58E-09	1.07E-04	1.69E-08	6.64E-09
1483	495361.06, 3858501.99	9.93E-05	1.56E-08	6.15E-09	1.22E-04	1.92E-08	7.53E-09	1.07E-04	1.68E-08	6.60E-09
1484	495411.06, 3858501.99	9.89E-05	1.56E-08	6.12E-09	1.21E-04	1.91E-08	7.49E-09	1.06E-04	1.67E-08	6.57E-09
1485	495461.06, 3858501.99	9.84E-05	1.55E-08	6.09E-09	1.21E-04	1.90E-08	7.46E-09	1.06E-04	1.66E-08	6.54E-09
1486	495511.06, 3858501.99	9.78E-05	1.54E-08	6.05E-09	1.20E-04	1.89E-08	7.41E-09	1.05E-04	1.65E-08	6.49E-09
1487	495561.06, 3858501.99	9.78E-05	1.54E-08	6.06E-09	1.20E-04	1.89E-08	7.42E-09	1.05E-04	1.65E-08	6.50E-09
1488	495611.06, 3858501.99	9.67E-05	1.52E-08	5.99E-09	1.18E-04	1.87E-08	7.33E-09	1.04E-04	1.64E-08	6.43E-09
1489	495661.06, 3858501.99	9.66E-05	1.52E-08	5.98E-09	1.18E-04	1.86E-08	7.32E-09	1.04E-04	1.63E-08	6.42E-09
1490	494311.06, 3858551.99	1.29E-04	2.03E-08	7.97E-09	1.58E-04	2.48E-08	9.76E-09	1.38E-04	2.18E-08	8.55E-09
1491	494361.06, 3858551.99	1.30E-04	2.04E-08	8.02E-09	1.59E-04	2.50E-08	9.82E-09	1.39E-04	2.19E-08	8.60E-09

1492	494411.06, 3858551.99	1.30E-04	2.05E-08	8.06E-09	1.60E-04	2.51E-08	9.88E-09	1.40E-04	2.20E-08	8.65E-09
1493	494461.06, 3858551.99	1.30E-04	2.05E-08	8.04E-09	1.59E-04	2.51E-08	9.85E-09	1.39E-04	2.20E-08	8.63E-09
1494	494511.06, 3858551.99	1.29E-04	2.03E-08	7.97E-09	1.58E-04	2.49E-08	9.77E-09	1.38E-04	2.18E-08	8.56E-09
1495	494561.06, 3858551.99	1.28E-04	2.02E-08	7.92E-09	1.57E-04	2.47E-08	9.70E-09	1.37E-04	2.16E-08	8.50E-09
1496	494611.06, 3858551.99	1.27E-04	1.99E-08	7.84E-09	1.55E-04	2.44E-08	9.60E-09	1.36E-04	2.14E-08	8.41E-09
1497	494661.06, 3858551.99	1.25E-04	1.98E-08	7.77E-09	1.54E-04	2.42E-08	9.51E-09	1.35E-04	2.12E-08	8.33E-09
1498	494711.06, 3858551.99	1.23E-04	1.94E-08	7.63E-09	1.51E-04	2.38E-08	9.35E-09	1.32E-04	2.09E-08	8.19E-09
1499	494761.06, 3858551.99	1.21E-04	1.91E-08	7.50E-09	1.49E-04	2.34E-08	9.19E-09	1.30E-04	2.05E-08	8.05E-09
1500	494811.06, 3858551.99	1.20E-04	1.88E-08	7.40E-09	1.47E-04	2.31E-08	9.07E-09	1.28E-04	2.02E-08	7.95E-09
1501	494861.06, 3858551.99	1.18E-04	1.85E-08	7.27E-09	1.44E-04	2.27E-08	8.91E-09	1.26E-04	1.99E-08	7.81E-09
1502	494911.06, 3858551.99	1.15E-04	1.81E-08	7.13E-09	1.41E-04	2.22E-08	8.73E-09	1.24E-04	1.95E-08	7.65E-09
1503	494961.06, 3858551.99	1.13E-04	1.78E-08	7.01E-09	1.39E-04	2.19E-08	8.59E-09	1.22E-04	1.92E-08	7.52E-09
1504	495011.06, 3858551.99	1.11E-04	1.75E-08	6.86E-09	1.36E-04	2.14E-08	8.40E-09	1.19E-04	1.87E-08	7.36E-09
1505	495061.06, 3858551.99	1.09E-04	1.72E-08	6.77E-09	1.34E-04	2.11E-08	8.30E-09	1.17E-04	1.85E-08	7.27E-09
1506	495111.06, 3858551.99	1.07E-04	1.68E-08	6.60E-09	1.31E-04	2.06E-08	8.08E-09	1.14E-04	1.80E-08	7.08E-09
1507	495161.06, 3858551.99	1.05E-04	1.65E-08	6.48E-09	1.28E-04	2.02E-08	7.94E-09	1.12E-04	1.77E-08	6.96E-09
1508	495211.06, 3858551.99	1.03E-04	1.63E-08	6.39E-09	1.26E-04	1.99E-08	7.82E-09	1.11E-04	1.74E-08	6.85E-09
1509	495261.06, 3858551.99	1.02E-04	1.61E-08	6.32E-09	1.25E-04	1.97E-08	7.74E-09	1.10E-04	1.73E-08	6.78E-09
1510	495311.06, 3858551.99	1.02E-04	1.60E-08	6.28E-09	1.24E-04	1.96E-08	7.70E-09	1.09E-04	1.72E-08	6.75E-09
1511	495361.06, 3858551.99	1.01E-04	1.59E-08	6.24E-09	1.24E-04	1.95E-08	7.65E-09	1.08E-04	1.71E-08	6.70E-09
1512	495411.06, 3858551.99	1.01E-04	1.58E-08	6.23E-09	1.23E-04	1.94E-08	7.63E-09	1.08E-04	1.70E-08	6.68E-09
1513	495461.06, 3858551.99	1.00E-04	1.58E-08	6.19E-09	1.23E-04	1.93E-08	7.58E-09	1.07E-04	1.69E-08	6.65E-09
1514	495511.06, 3858551.99	9.98E-05	1.57E-08	6.18E-09	1.22E-04	1.93E-08	7.57E-09	1.07E-04	1.69E-08	6.63E-09
1515	495561.06, 3858551.99	9.93E-05	1.56E-08	6.14E-09	1.22E-04	1.92E-08	7.53E-09	1.07E-04	1.68E-08	6.60E-09
1516	495611.06, 3858551.99	9.86E-05	1.55E-08	6.10E-09	1.21E-04	1.90E-08	7.48E-09	1.06E-04	1.67E-08	6.55E-09
1517	495661.06, 3858551.99	9.78E-05	1.54E-08	6.06E-09	1.20E-04	1.89E-08	7.42E-09	1.05E-04	1.65E-08	6.50E-09
1518	494311.06, 3858601.99	1.22E-04	1.92E-08	7.55E-09	1.49E-04	2.36E-08	9.25E-09	1.31E-04	2.06E-08	8.11E-09
1519	494361.06, 3858601.99	1.28E-04	2.02E-08	7.94E-09	1.57E-04	2.48E-08	9.73E-09	1.38E-04	2.17E-08	8.52E-09
1520	494411.06, 3858601.99	1.33E-04	2.09E-08	8.22E-09	1.63E-04	2.56E-08	1.01E-08	1.43E-04	2.25E-08	8.82E-09
1521	494461.06, 3858601.99	1.32E-04	2.09E-08	8.19E-09	1.62E-04	2.55E-08	1.00E-08	1.42E-04	2.24E-08	8.79E-09
1522	494511.06, 3858601.99	1.31E-04	2.06E-08	8.09E-09	1.60E-04	2.52E-08	9.91E-09	1.40E-04	2.21E-08	8.68E-09
1523	494561.06, 3858601.99	1.31E-04	2.06E-08	8.09E-09	1.60E-04	2.52E-08	9.91E-09	1.40E-04	2.21E-08	8.68E-09
1524	494611.06, 3858601.99	1.29E-04	2.03E-08	7.98E-09	1.58E-04	2.49E-08	9.77E-09	1.38E-04	2.18E-08	8.56E-09
1525	494661.06, 3858601.99	1.28E-04	2.01E-08	7.90E-09	1.56E-04	2.46E-08	9.67E-09	1.37E-04	2.16E-08	8.47E-09
1526	494711.06, 3858601.99	1.26E-04	1.98E-08	7.77E-09	1.54E-04	2.42E-08	9.52E-09	1.35E-04	2.12E-08	8.34E-09
1527	494761.06, 3858601.99	1.24E-04	1.95E-08	7.65E-09	1.51E-04	2.39E-08	9.37E-09	1.33E-04	2.09E-08	8.21E-09
1528	494811.06, 3858601.99	1.21E-04	1.90E-08	7.47E-09	1.48E-04	2.33E-08	9.15E-09	1.30E-04	2.04E-08	8.02E-09
1529	494861.06, 3858601.99	1.19E-04	1.88E-08	7.37E-09	1.46E-04	2.30E-08	9.03E-09	1.28E-04	2.01E-08	7.91E-09
1530	494911.06, 3858601.99	1.16E-04	1.83E-08	7.21E-09	1.43E-04	2.25E-08	8.83E-09	1.25E-04	1.97E-08	7.73E-09
1531	494961.06, 3858601.99	1.15E-04	1.80E-08	7.09E-09	1.40E-04	2.21E-08	8.68E-09	1.23E-04	1.94E-08	7.61E-09
1532	495011.06, 3858601.99	1.13E-04	1.77E-08	6.97E-09	1.38E-04	2.17E-08	8.53E-09	1.21E-04	1.90E-08	7.48E-09
1533	495061.06, 3858601.99	1.11E-04	1.74E-08	6.84E-09	1.35E-04	2.13E-08	8.38E-09	1.19E-04	1.87E-08	7.34E-09
1534	495111.06, 3858601.99	1.07E-04	1.69E-08	6.65E-09	1.32E-04	2.07E-08	8.15E-09	1.15E-04	1.82E-08	7.14E-09
1535	495161.06, 3858601.99	1.06E-04	1.67E-08	6.55E-09	1.30E-04	2.04E-08	8.03E-09	1.14E-04	1.79E-08	7.03E-09
1536	495211.06, 3858601.99	1.05E-04	1.65E-08	6.49E-09	1.28E-04	2.02E-08	7.95E-09	1.13E-04	1.77E-08	6.96E-09
1537	495261.06, 3858601.99	1.04E-04	1.63E-08	6.42E-09	1.27E-04	2.00E-08	7.86E-09	1.11E-04	1.75E-08	6.89E-09
1538	495311.06, 3858601.99	1.03E-04	1.62E-08	6.36E-09	1.26E-04	1.98E-08	7.79E-09	1.10E-04	1.74E-08	6.83E-09
1539	495361.06, 3858601.99	1.02E-04	1.61E-08	6.33E-09	1.25E-04	1.97E-08	7.76E-09	1.10E-04	1.73E-08	6.80E-09
1540	495411.06, 3858601.99	1.02E-04	1.60E-08	6.30E-09	1.25E-04	1.97E-08	7.72E-09	1.09E-04	1.72E-08	6.77E-09
1541	495461.06, 3858601.99	1.02E-04	1.60E-08	6.28E-09	1.24E-04	1.96E-08	7.69E-09	1.09E-04	1.72E-08	6.74E-09
1542	495511.06, 3858601.99	1.01E-04	1.59E-08	6.23E-09	1.23E-04	1.94E-08	7.63E-09	1.08E-04	1.70E-08	6.68E-09
1543	495561.06, 3858601.99	1.01E-04	1.58E-08	6.22E-09	1.23E-04	1.94E-08	7.62E-09	1.08E-04	1.70E-08	6.68E-09
1544	495611.06, 3858601.99	9.95E-05	1.57E-08	6.16E-09	1.22E-04	1.92E-08	7.54E-09	1.07E-04	1.68E-08	6.61E-09
1545	495661.06, 3858601.99	9.92E-05	1.56E-08	6.14E-09	1.21E-04	1.91E-08	7.52E-09	1.06E-04	1.68E-08	6.59E-09
1546	494311.06, 3858651.99	1.21E-04	1.90E-08	7.46E-09	1.48E-04	2.33E-08	9.14E-09	1.29E-04	2.04E-08	8.01E-09
1547	494361.06, 3858651.99	1.27E-04	2.00E-08	7.84E-09	1.55E-04	2.45E-08	9.61E-09	1.36E-04	2.14E-08	8.42E-09
1548	494411.06, 3858651.99	1.34E-04	2.11E-08	8.27E-09	1.64E-04	2.58E-08	1.01E-08	1.43E-04	2.26E-08	8.88E-09
1549	494461.06, 3858651.99	1.34E-04	2.11E-08	8.31E-09	1.64E-04	2.59E-08	1.02E-08	1.44E-04	2.27E-08	8.92E-09
1550	494511.06, 3858651.99	1.33E-04	2.10E-08	8.24E-09	1.63E-04	2.57E-08	1.01E-08	1.43E-04	2.25E-08	8.84E-09
1551	494561.06, 3858651.99	1.32E-04	2.09E-08	8.20E-09	1.62E-04	2.56E-08	1.00E-08	1.42E-04	2.24E-08	8.80E-09
1552	494611.06, 3858651.99	1.31E-04	2.07E-08	8.13E-09	1.61E-04	2.53E-08	9.96E-09	1.41E-04	2.22E-08	8.72E-09
1553	494661.06, 3858651.99	1.30E-04	2.04E-08	8.03E-09	1.59E-04	2.50E-08	9.83E-09	1.39E-04	2.19E-08	8.61E-09
1554	494711.06, 3858651.99	1.27E-04	2.01E-08	7.89E-09	1.56E-04	2.46E-08	9.66E-09	1.37E-04	2.15E-08	8.46E-09
1555	494761.06, 3858651.99	1.26E-04	1.98E-08	7.78E-09	1.54E-04	2.42E-08	9.53E-09	1.35E-04	2.12E-08	8.35E-09
1556	494811.06, 3858651.99	1.23E-04	1.94E-08	7.61E-09	1.51E-04	2.37E-08	9.33E-09	1.32E-04	2.08E-08	8.17E-09

1557	494861.06, 3858651.99	1.21E-04	1.90E-08	7.47E-09	1.48E-04	2.33E-08	9.15E-09	1.29E-04	2.04E-08	8.01E-09
1558	494911.06, 3858651.99	1.18E-04	1.86E-08	7.30E-09	1.45E-04	2.28E-08	8.95E-09	1.27E-04	2.00E-08	7.84E-09
1559	494961.06, 3858651.99	1.16E-04	1.82E-08	7.16E-09	1.42E-04	2.23E-08	8.77E-09	1.24E-04	1.96E-08	7.68E-09
1560	495011.06, 3858651.99	1.14E-04	1.79E-08	7.04E-09	1.39E-04	2.20E-08	8.63E-09	1.22E-04	1.92E-08	7.56E-09
1561	495061.06, 3858651.99	1.12E-04	1.76E-08	6.92E-09	1.37E-04	2.16E-08	8.47E-09	1.20E-04	1.89E-08	7.42E-09
1562	495111.06, 3858651.99	1.09E-04	1.72E-08	6.77E-09	1.34E-04	2.11E-08	8.29E-09	1.17E-04	1.85E-08	7.26E-09
1563	495161.06, 3858651.99	1.08E-04	1.70E-08	6.67E-09	1.32E-04	2.08E-08	8.17E-09	1.16E-04	1.82E-08	7.16E-09
1564	495211.06, 3858651.99	1.06E-04	1.67E-08	6.56E-09	1.30E-04	2.05E-08	8.03E-09	1.14E-04	1.79E-08	7.04E-09
1565	495261.06, 3858651.99	1.05E-04	1.66E-08	6.53E-09	1.29E-04	2.04E-08	8.00E-09	1.13E-04	1.78E-08	7.01E-09
1566	495311.06, 3858651.99	1.05E-04	1.65E-08	6.47E-09	1.28E-04	2.02E-08	7.93E-09	1.12E-04	1.77E-08	6.95E-09
1567	495361.06, 3858651.99	1.04E-04	1.64E-08	6.44E-09	1.27E-04	2.01E-08	7.89E-09	1.12E-04	1.76E-08	6.91E-09
1568	495411.06, 3858651.99	1.04E-04	1.63E-08	6.42E-09	1.27E-04	2.00E-08	7.86E-09	1.11E-04	1.75E-08	6.89E-09
1569	495461.06, 3858651.99	1.04E-04	1.63E-08	6.41E-09	1.27E-04	2.00E-08	7.86E-09	1.11E-04	1.75E-08	6.89E-09
1570	495511.06, 3858651.99	1.03E-04	1.62E-08	6.35E-09	1.26E-04	1.98E-08	7.78E-09	1.10E-04	1.73E-08	6.81E-09
1571	495561.06, 3858651.99	1.02E-04	1.60E-08	6.30E-09	1.25E-04	1.97E-08	7.72E-09	1.09E-04	1.72E-08	6.77E-09
1572	495611.06, 3858651.99	1.01E-04	1.59E-08	6.23E-09	1.23E-04	1.94E-08	7.63E-09	1.08E-04	1.70E-08	6.69E-09
1573	495661.06, 3858651.99	1.00E-04	1.58E-08	6.21E-09	1.23E-04	1.94E-08	7.60E-09	1.08E-04	1.70E-08	6.66E-09
1574	494311.06, 3858701.99	1.22E-04	1.92E-08	7.56E-09	1.50E-04	2.36E-08	9.25E-09	1.31E-04	2.06E-08	8.11E-09
1575	494361.06, 3858701.99	1.31E-04	2.06E-08	8.08E-09	1.60E-04	2.52E-08	9.90E-09	1.40E-04	2.21E-08	8.67E-09
1576	494411.06, 3858701.99	1.35E-04	2.13E-08	8.38E-09	1.66E-04	2.61E-08	1.03E-08	1.45E-04	2.29E-08	8.99E-09
1577	494461.06, 3858701.99	1.35E-04	2.13E-08	8.37E-09	1.66E-04	2.61E-08	1.03E-08	1.45E-04	2.29E-08	8.98E-09
1578	494511.06, 3858701.99	1.35E-04	2.13E-08	8.35E-09	1.65E-04	2.60E-08	1.02E-08	1.45E-04	2.28E-08	8.96E-09
1579	494561.06, 3858701.99	1.34E-04	2.11E-08	8.29E-09	1.64E-04	2.58E-08	1.02E-08	1.44E-04	2.26E-08	8.90E-09
1580	494611.06, 3858701.99	1.31E-04	2.07E-08	8.12E-09	1.61E-04	2.53E-08	9.95E-09	1.41E-04	2.22E-08	8.72E-09
1581	494661.06, 3858701.99	1.31E-04	2.06E-08	8.11E-09	1.60E-04	2.53E-08	9.93E-09	1.41E-04	2.21E-08	8.70E-09
1582	494711.06, 3858701.99	1.25E-04	1.97E-08	7.76E-09	1.53E-04	2.42E-08	9.50E-09	1.34E-04	2.12E-08	8.32E-09
1583	494761.06, 3858701.99	1.26E-04	1.99E-08	7.82E-09	1.55E-04	2.44E-08	9.58E-09	1.36E-04	2.14E-08	8.39E-09
1584	494811.06, 3858701.99	1.24E-04	1.95E-08	7.66E-09	1.52E-04	2.39E-08	9.38E-09	1.33E-04	2.09E-08	8.22E-09
1585	494861.06, 3858701.99	1.22E-04	1.92E-08	7.53E-09	1.49E-04	2.35E-08	9.22E-09	1.31E-04	2.06E-08	8.08E-09
1586	494911.06, 3858701.99	1.20E-04	1.89E-08	7.42E-09	1.47E-04	2.31E-08	9.09E-09	1.29E-04	2.03E-08	7.96E-09
1587	494961.06, 3858701.99	1.16E-04	1.83E-08	7.20E-09	1.42E-04	2.24E-08	8.82E-09	1.25E-04	1.97E-08	7.73E-09
1588	495011.06, 3858701.99	1.14E-04	1.80E-08	7.06E-09	1.40E-04	2.20E-08	8.65E-09	1.22E-04	1.93E-08	7.58E-09
1589	495061.06, 3858701.99	1.13E-04	1.78E-08	7.00E-09	1.39E-04	2.18E-08	8.57E-09	1.21E-04	1.91E-08	7.51E-09
1590	495111.06, 3858701.99	1.10E-04	1.74E-08	6.84E-09	1.35E-04	2.13E-08	8.38E-09	1.19E-04	1.87E-08	7.34E-09
1591	495161.06, 3858701.99	1.09E-04	1.72E-08	6.76E-09	1.34E-04	2.11E-08	8.28E-09	1.17E-04	1.85E-08	7.25E-09
1592	495211.06, 3858701.99	1.07E-04	1.69E-08	6.65E-09	1.32E-04	2.07E-08	8.15E-09	1.15E-04	1.82E-08	7.14E-09
1593	495261.06, 3858701.99	1.07E-04	1.69E-08	6.62E-09	1.31E-04	2.06E-08	8.11E-09	1.15E-04	1.81E-08	7.11E-09
1594	495311.06, 3858701.99	1.07E-04	1.68E-08	6.60E-09	1.31E-04	2.06E-08	8.08E-09	1.14E-04	1.80E-08	7.08E-09
1595	495361.06, 3858701.99	1.06E-04	1.67E-08	6.55E-09	1.30E-04	2.04E-08	8.03E-09	1.14E-04	1.79E-08	7.03E-09
1596	495411.06, 3858701.99	1.06E-04	1.67E-08	6.54E-09	1.30E-04	2.04E-08	8.01E-09	1.13E-04	1.79E-08	7.02E-09
1597	495461.06, 3858701.99	1.05E-04	1.66E-08	6.51E-09	1.29E-04	2.03E-08	7.97E-09	1.13E-04	1.78E-08	6.99E-09
1598	495511.06, 3858701.99	1.04E-04	1.64E-08	6.46E-09	1.28E-04	2.01E-08	7.91E-09	1.12E-04	1.76E-08	6.93E-09
1599	495561.06, 3858701.99	1.03E-04	1.63E-08	6.40E-09	1.27E-04	1.99E-08	7.84E-09	1.11E-04	1.75E-08	6.87E-09
1600	495611.06, 3858701.99	1.02E-04	1.61E-08	6.33E-09	1.25E-04	1.97E-08	7.76E-09	1.10E-04	1.73E-08	6.80E-09
1601	495661.06, 3858701.99	1.02E-04	1.60E-08	6.29E-09	1.25E-04	1.96E-08	7.71E-09	1.09E-04	1.72E-08	6.76E-09
1602	494311.06, 3858751.99	1.24E-04	1.96E-08	7.68E-09	1.52E-04	2.40E-08	9.41E-09	1.33E-04	2.10E-08	8.24E-09
1603	494361.06, 3858751.99	1.34E-04	2.11E-08	8.28E-09	1.64E-04	2.58E-08	1.01E-08	1.44E-04	2.26E-08	8.89E-09
1604	494411.06, 3858751.99	1.37E-04	2.16E-08	8.50E-09	1.68E-04	2.65E-08	1.04E-08	1.47E-04	2.32E-08	9.12E-09
1605	494461.06, 3858751.99	1.37E-04	2.16E-08	8.49E-09	1.68E-04	2.65E-08	1.04E-08	1.47E-04	2.32E-08	9.11E-09
1606	494511.06, 3858751.99	1.37E-04	2.16E-08	8.49E-09	1.68E-04	2.65E-08	1.04E-08	1.47E-04	2.32E-08	9.12E-09
1607	494561.06, 3858751.99	1.36E-04	2.14E-08	8.39E-09	1.66E-04	2.62E-08	1.03E-08	1.46E-04	2.29E-08	9.01E-09
1608	494611.06, 3858751.99	1.33E-04	2.10E-08	8.26E-09	1.63E-04	2.57E-08	1.01E-08	1.43E-04	2.26E-08	8.86E-09
1609	494661.06, 3858751.99	1.32E-04	2.08E-08	8.17E-09	1.62E-04	2.55E-08	1.00E-08	1.42E-04	2.23E-08	8.77E-09
1610	494711.06, 3858751.99	1.29E-04	2.03E-08	7.97E-09	1.58E-04	2.49E-08	9.77E-09	1.38E-04	2.18E-08	8.56E-09
1611	494761.06, 3858751.99	1.28E-04	2.01E-08	7.91E-09	1.57E-04	2.47E-08	9.69E-09	1.37E-04	2.16E-08	8.49E-09
1612	494811.06, 3858751.99	1.25E-04	1.97E-08	7.73E-09	1.53E-04	2.41E-08	9.47E-09	1.34E-04	2.11E-08	8.30E-09
1613	494861.06, 3858751.99	1.22E-04	1.93E-08	7.58E-09	1.50E-04	2.36E-08	9.29E-09	1.31E-04	2.07E-08	8.14E-09
1614	494911.06, 3858751.99	1.20E-04	1.89E-08	7.41E-09	1.47E-04	2.31E-08	9.08E-09	1.29E-04	2.03E-08	7.96E-09
1615	494961.06, 3858751.99	1.18E-04	1.86E-08	7.29E-09	1.44E-04	2.27E-08	8.93E-09	1.26E-04	1.99E-08	7.82E-09
1616	495011.06, 3858751.99	1.16E-04	1.83E-08	7.21E-09	1.43E-04	2.25E-08	8.83E-09	1.25E-04	1.97E-08	7.74E-09
1617	495061.06, 3858751.99	1.14E-04	1.80E-08	7.08E-09	1.40E-04	2.21E-08	8.68E-09	1.23E-04	1.94E-08	7.60E-09
1618	495111.06, 3858751.99	1.12E-04	1.77E-08	6.94E-09	1.37E-04	2.16E-08	8.50E-09	1.20E-04	1.90E-08	7.45E-09
1619	495161.06, 3858751.99	1.11E-04	1.74E-08	6.85E-09	1.36E-04	2.14E-08	8.39E-09	1.19E-04	1.87E-08	7.35E-09
1620	495211.06, 3858751.99	1.09E-04	1.72E-08	6.74E-09	1.33E-04	2.10E-08	8.26E-09	1.17E-04	1.84E-08	7.24E-09
1621	495261.06, 3858751.99	1.08E-04	1.71E-08	6.71E-09	1.33E-04	2.09E-08	8.22E-09	1.16E-04	1.83E-08	7.20E-09

1622	495311.06, 3858751.99	1.08E-04	1.70E-08	6.69E-09	1.32E-04	2.08E-08	8.19E-09	1.16E-04	1.83E-08	7.18E-09
1623	495361.06, 3858751.99	1.07E-04	1.69E-08	6.65E-09	1.32E-04	2.07E-08	8.14E-09	1.15E-04	1.82E-08	7.13E-09
1624	495411.06, 3858751.99	1.07E-04	1.69E-08	6.65E-09	1.32E-04	2.07E-08	8.14E-09	1.15E-04	1.82E-08	7.13E-09
1625	495461.06, 3858751.99	1.07E-04	1.68E-08	6.61E-09	1.31E-04	2.06E-08	8.10E-09	1.15E-04	1.81E-08	7.10E-09
1626	495511.06, 3858751.99	1.06E-04	1.67E-08	6.56E-09	1.30E-04	2.05E-08	8.04E-09	1.14E-04	1.79E-08	7.04E-09
1627	495561.06, 3858751.99	1.05E-04	1.65E-08	6.50E-09	1.29E-04	2.03E-08	7.96E-09	1.13E-04	1.78E-08	6.98E-09
1628	495611.06, 3858751.99	1.04E-04	1.64E-08	6.44E-09	1.27E-04	2.01E-08	7.89E-09	1.12E-04	1.76E-08	6.91E-09
1629	495661.06, 3858751.99	1.03E-04	1.63E-08	6.39E-09	1.27E-04	1.99E-08	7.83E-09	1.11E-04	1.75E-08	6.86E-09
1630	494311.06, 3858801.99	1.28E-04	2.02E-08	7.92E-09	1.57E-04	2.47E-08	9.70E-09	1.37E-04	2.16E-08	8.50E-09
1631	494361.06, 3858801.99	1.36E-04	2.14E-08	8.43E-09	1.67E-04	2.63E-08	1.03E-08	1.46E-04	2.30E-08	9.04E-09
1632	494411.06, 3858801.99	1.38E-04	2.17E-08	8.53E-09	1.69E-04	2.66E-08	1.05E-08	1.48E-04	2.33E-08	9.16E-09
1633	494461.06, 3858801.99	1.39E-04	2.18E-08	8.58E-09	1.70E-04	2.67E-08	1.05E-08	1.49E-04	2.34E-08	9.21E-09
1634	494511.06, 3858801.99	1.39E-04	2.19E-08	8.59E-09	1.70E-04	2.68E-08	1.05E-08	1.49E-04	2.35E-08	9.22E-09
1635	494561.06, 3858801.99	1.38E-04	2.18E-08	8.55E-09	1.69E-04	2.66E-08	1.05E-08	1.48E-04	2.33E-08	9.17E-09
1636	494611.06, 3858801.99	1.37E-04	2.15E-08	8.46E-09	1.67E-04	2.64E-08	1.04E-08	1.47E-04	2.31E-08	9.08E-09
1637	494661.06, 3858801.99	1.34E-04	2.12E-08	8.32E-09	1.65E-04	2.59E-08	1.02E-08	1.44E-04	2.27E-08	8.93E-09
1638	494711.06, 3858801.99	1.32E-04	2.08E-08	8.15E-09	1.61E-04	2.54E-08	9.99E-09	1.41E-04	2.23E-08	8.75E-09
1639	494761.06, 3858801.99	1.29E-04	2.03E-08	7.96E-09	1.58E-04	2.48E-08	9.75E-09	1.38E-04	2.17E-08	8.54E-09
1640	494811.06, 3858801.99	1.25E-04	1.98E-08	7.76E-09	1.54E-04	2.42E-08	9.50E-09	1.35E-04	2.12E-08	8.33E-09
1641	494861.06, 3858801.99	1.24E-04	1.95E-08	7.65E-09	1.51E-04	2.39E-08	9.38E-09	1.33E-04	2.09E-08	8.21E-09
1642	494911.06, 3858801.99	1.21E-04	1.91E-08	7.49E-09	1.48E-04	2.34E-08	9.18E-09	1.30E-04	2.05E-08	8.04E-09
1643	494961.06, 3858801.99	1.19E-04	1.88E-08	7.37E-09	1.46E-04	2.30E-08	9.03E-09	1.28E-04	2.01E-08	7.91E-09
1644	495011.06, 3858801.99	1.17E-04	1.84E-08	7.25E-09	1.43E-04	2.26E-08	8.88E-09	1.26E-04	1.98E-08	7.78E-09
1645	495061.06, 3858801.99	1.16E-04	1.82E-08	7.17E-09	1.42E-04	2.23E-08	8.78E-09	1.24E-04	1.96E-08	7.69E-09
1646	495111.06, 3858801.99	1.13E-04	1.78E-08	7.01E-09	1.39E-04	2.18E-08	8.58E-09	1.21E-04	1.91E-08	7.52E-09
1647	495161.06, 3858801.99	1.11E-04	1.75E-08	6.89E-09	1.36E-04	2.15E-08	8.44E-09	1.19E-04	1.88E-08	7.39E-09
1648	495211.06, 3858801.99	1.10E-04	1.74E-08	6.83E-09	1.35E-04	2.13E-08	8.36E-09	1.18E-04	1.86E-08	7.33E-09
1649	495261.06, 3858801.99	1.10E-04	1.73E-08	6.80E-09	1.35E-04	2.12E-08	8.33E-09	1.18E-04	1.86E-08	7.30E-09
1650	495311.06, 3858801.99	1.10E-04	1.73E-08	6.78E-09	1.34E-04	2.11E-08	8.30E-09	1.18E-04	1.85E-08	7.28E-09
1651	495361.06, 3858801.99	1.09E-04	1.72E-08	6.74E-09	1.33E-04	2.10E-08	8.26E-09	1.17E-04	1.84E-08	7.24E-09
1652	495411.06, 3858801.99	1.09E-04	1.72E-08	6.76E-09	1.34E-04	2.11E-08	8.28E-09	1.17E-04	1.85E-08	7.26E-09
1653	495461.06, 3858801.99	1.09E-04	1.71E-08	6.72E-09	1.33E-04	2.09E-08	8.23E-09	1.17E-04	1.84E-08	7.21E-09
1654	495511.06, 3858801.99	1.08E-04	1.69E-08	6.66E-09	1.32E-04	2.08E-08	8.15E-09	1.15E-04	1.82E-08	7.14E-09
1655	495561.06, 3858801.99	1.07E-04	1.68E-08	6.61E-09	1.31E-04	2.06E-08	8.09E-09	1.15E-04	1.81E-08	7.09E-09
1656	495611.06, 3858801.99	1.06E-04	1.66E-08	6.53E-09	1.29E-04	2.04E-08	8.00E-09	1.13E-04	1.78E-08	7.01E-09
1657	495661.06, 3858801.99	1.05E-04	1.65E-08	6.50E-09	1.29E-04	2.03E-08	7.96E-09	1.13E-04	1.77E-08	6.97E-09
1658	494311.06, 3858851.99	1.37E-04	2.15E-08	8.45E-09	1.67E-04	2.64E-08	1.04E-08	1.47E-04	2.31E-08	9.07E-09
1659	494361.06, 3858851.99	1.41E-04	2.22E-08	8.72E-09	1.73E-04	2.72E-08	1.07E-08	1.51E-04	2.38E-08	9.36E-09
1660	494411.06, 3858851.99	1.40E-04	2.21E-08	8.69E-09	1.72E-04	2.71E-08	1.06E-08	1.51E-04	2.37E-08	9.32E-09
1661	494461.06, 3858851.99	1.40E-04	2.21E-08	8.69E-09	1.72E-04	2.71E-08	1.06E-08	1.51E-04	2.37E-08	9.33E-09
1662	494511.06, 3858851.99	1.40E-04	2.21E-08	8.67E-09	1.72E-04	2.70E-08	1.06E-08	1.50E-04	2.37E-08	9.31E-09
1663	494561.06, 3858851.99	1.39E-04	2.19E-08	8.61E-09	1.70E-04	2.68E-08	1.05E-08	1.49E-04	2.35E-08	9.24E-09
1664	494611.06, 3858851.99	1.37E-04	2.16E-08	8.50E-09	1.68E-04	2.65E-08	1.04E-08	1.47E-04	2.32E-08	9.13E-09
1665	494661.06, 3858851.99	1.35E-04	2.13E-08	8.37E-09	1.66E-04	2.61E-08	1.03E-08	1.45E-04	2.29E-08	8.98E-09
1666	494711.06, 3858851.99	1.32E-04	2.08E-08	8.18E-09	1.62E-04	2.55E-08	1.00E-08	1.42E-04	2.23E-08	8.78E-09
1667	494761.06, 3858851.99	1.29E-04	2.03E-08	7.99E-09	1.58E-04	2.49E-08	9.79E-09	1.39E-04	2.18E-08	8.58E-09
1668	494811.06, 3858851.99	1.27E-04	1.99E-08	7.84E-09	1.55E-04	2.44E-08	9.60E-09	1.36E-04	2.14E-08	8.41E-09
1669	494861.06, 3858851.99	1.25E-04	1.97E-08	7.73E-09	1.53E-04	2.41E-08	9.47E-09	1.34E-04	2.11E-08	8.30E-09
1670	494911.06, 3858851.99	1.23E-04	1.93E-08	7.59E-09	1.50E-04	2.37E-08	9.30E-09	1.32E-04	2.07E-08	8.15E-09
1671	494961.06, 3858851.99	1.21E-04	1.90E-08	7.47E-09	1.48E-04	2.33E-08	9.15E-09	1.29E-04	2.04E-08	8.01E-09
1672	495011.06, 3858851.99	1.19E-04	1.87E-08	7.37E-09	1.46E-04	2.30E-08	9.02E-09	1.28E-04	2.01E-08	7.90E-09
1673	495061.06, 3858851.99	1.17E-04	1.84E-08	7.25E-09	1.43E-04	2.26E-08	8.88E-09	1.26E-04	1.98E-08	7.78E-09
1674	495111.06, 3858851.99	1.14E-04	1.79E-08	7.03E-09	1.39E-04	2.19E-08	8.61E-09	1.22E-04	1.92E-08	7.54E-09
1675	495161.06, 3858851.99	1.12E-04	1.76E-08	6.92E-09	1.37E-04	2.16E-08	8.47E-09	1.20E-04	1.89E-08	7.42E-09
1676	495211.06, 3858851.99	1.12E-04	1.76E-08	6.92E-09	1.37E-04	2.16E-08	8.48E-09	1.20E-04	1.89E-08	7.43E-09
1677	495261.06, 3858851.99	1.11E-04	1.75E-08	6.89E-09	1.36E-04	2.15E-08	8.44E-09	1.19E-04	1.88E-08	7.39E-09
1678	495311.06, 3858851.99	1.11E-04	1.75E-08	6.88E-09	1.36E-04	2.15E-08	8.43E-09	1.19E-04	1.88E-08	7.39E-09
1679	495361.06, 3858851.99	1.11E-04	1.75E-08	6.86E-09	1.36E-04	2.14E-08	8.40E-09	1.19E-04	1.87E-08	7.36E-09
1680	495411.06, 3858851.99	1.10E-04	1.74E-08	6.83E-09	1.35E-04	2.13E-08	8.37E-09	1.18E-04	1.87E-08	7.33E-09
1681	495461.06, 3858851.99	1.10E-04	1.73E-08	6.81E-09	1.35E-04	2.12E-08	8.35E-09	1.18E-04	1.86E-08	7.31E-09
1682	495511.06, 3858851.99	1.10E-04	1.73E-08	6.78E-09	1.34E-04	2.11E-08	8.30E-09	1.18E-04	1.85E-08	7.28E-09
1683	495561.06, 3858851.99	1.08E-04	1.70E-08	6.67E-09	1.32E-04	2.08E-08	8.17E-09	1.16E-04	1.82E-08	7.16E-09
1684	495611.06, 3858851.99	1.06E-04	1.68E-08	6.59E-09	1.30E-04	2.05E-08	8.07E-09	1.14E-04	1.80E-08	7.07E-09
1685	495661.06, 3858851.99	1.06E-04	1.67E-08	6.57E-09	1.30E-04	2.05E-08	8.05E-09	1.14E-04	1.80E-08	7.05E-09
1686	494311.06, 3858901.99	1.40E-04	2.20E-08	8.64E-09	1.71E-04	2.69E-08	1.06E-08	1.50E-04	2.36E-08	9.27E-09

1687	494361.06, 3858901.99	1.43E-04	2.25E-08	8.82E-09	1.75E-04	2.75E-08	1.08E-08	1.53E-04	2.41E-08	9.47E-09
1688	494411.06, 3858901.99	1.43E-04	2.25E-08	8.82E-09	1.75E-04	2.75E-08	1.08E-08	1.53E-04	2.41E-08	9.47E-09
1689	494461.06, 3858901.99	1.43E-04	2.25E-08	8.83E-09	1.75E-04	2.75E-08	1.08E-08	1.53E-04	2.41E-08	9.48E-09
1690	494511.06, 3858901.99	1.42E-04	2.24E-08	8.81E-09	1.74E-04	2.75E-08	1.08E-08	1.53E-04	2.41E-08	9.45E-09
1691	494561.06, 3858901.99	1.41E-04	2.21E-08	8.70E-09	1.72E-04	2.71E-08	1.07E-08	1.51E-04	2.38E-08	9.33E-09
1692	494611.06, 3858901.99	1.38E-04	2.17E-08	8.51E-09	1.69E-04	2.65E-08	1.04E-08	1.48E-04	2.33E-08	9.14E-09
1693	494661.06, 3858901.99	1.36E-04	2.14E-08	8.41E-09	1.66E-04	2.62E-08	1.03E-08	1.46E-04	2.30E-08	9.03E-09
1694	494711.06, 3858901.99	1.33E-04	2.10E-08	8.24E-09	1.63E-04	2.57E-08	1.01E-08	1.43E-04	2.25E-08	8.84E-09
1695	494761.06, 3858901.99	1.30E-04	2.05E-08	8.04E-09	1.59E-04	2.51E-08	9.84E-09	1.39E-04	2.20E-08	8.62E-09
1696	494811.06, 3858901.99	1.28E-04	2.01E-08	7.91E-09	1.57E-04	2.47E-08	9.69E-09	1.37E-04	2.16E-08	8.49E-09
1697	494861.06, 3858901.99	1.26E-04	1.99E-08	7.82E-09	1.55E-04	2.44E-08	9.58E-09	1.36E-04	2.14E-08	8.39E-09
1698	494911.06, 3858901.99	1.23E-04	1.94E-08	7.62E-09	1.51E-04	2.38E-08	9.34E-09	1.32E-04	2.08E-08	8.18E-09
1699	494961.06, 3858901.99	1.21E-04	1.91E-08	7.51E-09	1.49E-04	2.34E-08	9.20E-09	1.30E-04	2.05E-08	8.06E-09
1700	495011.06, 3858901.99	1.20E-04	1.89E-08	7.41E-09	1.47E-04	2.31E-08	9.07E-09	1.28E-04	2.02E-08	7.95E-09
1701	495061.06, 3858901.99	1.17E-04	1.85E-08	7.25E-09	1.44E-04	2.26E-08	8.88E-09	1.26E-04	1.98E-08	7.78E-09
1702	495111.06, 3858901.99	1.14E-04	1.79E-08	7.03E-09	1.39E-04	2.19E-08	8.62E-09	1.22E-04	1.92E-08	7.55E-09
1703	495161.06, 3858901.99	1.13E-04	1.77E-08	6.97E-09	1.38E-04	2.17E-08	8.54E-09	1.21E-04	1.90E-08	7.48E-09
1704	495211.06, 3858901.99	1.13E-04	1.78E-08	7.01E-09	1.39E-04	2.19E-08	8.58E-09	1.22E-04	1.91E-08	7.52E-09
1705	495261.06, 3858901.99	1.13E-04	1.78E-08	6.99E-09	1.38E-04	2.18E-08	8.56E-09	1.21E-04	1.91E-08	7.50E-09
1706	495311.06, 3858901.99	1.12E-04	1.77E-08	6.96E-09	1.38E-04	2.17E-08	8.52E-09	1.21E-04	1.90E-08	7.47E-09
1707	495361.06, 3858901.99	1.12E-04	1.76E-08	6.93E-09	1.37E-04	2.16E-08	8.49E-09	1.20E-04	1.89E-08	7.44E-09
1708	495411.06, 3858901.99	1.12E-04	1.76E-08	6.93E-09	1.37E-04	2.16E-08	8.49E-09	1.20E-04	1.89E-08	7.44E-09
1709	495461.06, 3858901.99	1.11E-04	1.75E-08	6.89E-09	1.36E-04	2.15E-08	8.44E-09	1.19E-04	1.88E-08	7.39E-09
1710	495511.06, 3858901.99	1.10E-04	1.73E-08	6.82E-09	1.35E-04	2.12E-08	8.35E-09	1.18E-04	1.86E-08	7.31E-09
1711	495561.06, 3858901.99	1.09E-04	1.72E-08	6.76E-09	1.34E-04	2.11E-08	8.28E-09	1.17E-04	1.85E-08	7.25E-09
1712	495611.06, 3858901.99	1.08E-04	1.70E-08	6.68E-09	1.32E-04	2.08E-08	8.18E-09	1.16E-04	1.82E-08	7.17E-09
1713	495661.06, 3858901.99	1.08E-04	1.70E-08	6.67E-09	1.32E-04	2.08E-08	8.17E-09	1.16E-04	1.82E-08	7.16E-09
1714	494311.06, 3858951.99	1.44E-04	2.27E-08	8.91E-09	1.76E-04	2.78E-08	1.09E-08	1.55E-04	2.44E-08	9.57E-09
1715	494361.06, 3858951.99	1.45E-04	2.28E-08	8.97E-09	1.78E-04	2.80E-08	1.10E-08	1.56E-04	2.45E-08	9.63E-09
1716	494411.06, 3858951.99	1.44E-04	2.26E-08	8.89E-09	1.76E-04	2.77E-08	1.09E-08	1.54E-04	2.43E-08	9.54E-09
1717	494461.06, 3858951.99	1.44E-04	2.27E-08	8.91E-09	1.76E-04	2.78E-08	1.09E-08	1.54E-04	2.43E-08	9.56E-09
1718	494511.06, 3858951.99	1.43E-04	2.25E-08	8.84E-09	1.75E-04	2.76E-08	1.08E-08	1.53E-04	2.42E-08	9.49E-09
1719	494561.06, 3858951.99	1.41E-04	2.23E-08	8.74E-09	1.73E-04	2.73E-08	1.07E-08	1.52E-04	2.39E-08	9.38E-09
1720	494611.06, 3858951.99	1.39E-04	2.19E-08	8.59E-09	1.70E-04	2.68E-08	1.05E-08	1.49E-04	2.35E-08	9.22E-09
1721	494661.06, 3858951.99	1.37E-04	2.15E-08	8.45E-09	1.67E-04	2.64E-08	1.04E-08	1.47E-04	2.31E-08	9.07E-09
1722	494711.06, 3858951.99	1.33E-04	2.10E-08	8.25E-09	1.63E-04	2.57E-08	1.01E-08	1.43E-04	2.25E-08	8.86E-09
1723	494761.06, 3858951.99	1.31E-04	2.06E-08	8.10E-09	1.60E-04	2.53E-08	9.93E-09	1.41E-04	2.21E-08	8.70E-09
1724	494811.06, 3858951.99	1.29E-04	2.04E-08	8.00E-09	1.58E-04	2.49E-08	9.80E-09	1.39E-04	2.19E-08	8.59E-09
1725	494861.06, 3858951.99	1.28E-04	2.01E-08	7.90E-09	1.56E-04	2.46E-08	9.67E-09	1.37E-04	2.16E-08	8.47E-09
1726	494911.06, 3858951.99	1.25E-04	1.97E-08	7.74E-09	1.53E-04	2.41E-08	9.49E-09	1.34E-04	2.12E-08	8.31E-09
1727	494961.06, 3858951.99	1.24E-04	1.95E-08	7.67E-09	1.52E-04	2.39E-08	9.39E-09	1.33E-04	2.09E-08	8.23E-09
1728	495011.06, 3858951.99	1.20E-04	1.89E-08	7.43E-09	1.47E-04	2.32E-08	9.10E-09	1.29E-04	2.03E-08	7.97E-09
1729	495061.06, 3858951.99	1.16E-04	1.83E-08	7.21E-09	1.43E-04	2.25E-08	8.83E-09	1.25E-04	1.97E-08	7.74E-09
1730	495111.06, 3858951.99	1.14E-04	1.79E-08	7.04E-09	1.39E-04	2.19E-08	8.62E-09	1.22E-04	1.92E-08	7.55E-09
1731	495161.06, 3858951.99	1.15E-04	1.81E-08	7.11E-09	1.41E-04	2.22E-08	8.71E-09	1.23E-04	1.94E-08	7.63E-09
1732	495211.06, 3858951.99	1.15E-04	1.81E-08	7.10E-09	1.40E-04	2.21E-08	8.69E-09	1.23E-04	1.94E-08	7.62E-09
1733	495261.06, 3858951.99	1.14E-04	1.80E-08	7.09E-09	1.40E-04	2.21E-08	8.68E-09	1.23E-04	1.94E-08	7.60E-09
1734	495311.06, 3858951.99	1.13E-04	1.78E-08	7.00E-09	1.39E-04	2.18E-08	8.58E-09	1.21E-04	1.91E-08	7.51E-09
1735	495361.06, 3858951.99	1.13E-04	1.78E-08	7.00E-09	1.38E-04	2.18E-08	8.57E-09	1.21E-04	1.91E-08	7.51E-09
1736	495411.06, 3858951.99	1.13E-04	1.78E-08	7.00E-09	1.39E-04	2.18E-08	8.58E-09	1.21E-04	1.91E-08	7.52E-09
1737	495461.06, 3858951.99	1.13E-04	1.77E-08	6.97E-09	1.38E-04	2.17E-08	8.54E-09	1.21E-04	1.90E-08	7.48E-09
1738	495511.06, 3858951.99	1.12E-04	1.77E-08	6.96E-09	1.38E-04	2.17E-08	8.52E-09	1.21E-04	1.90E-08	7.47E-09
1739	495561.06, 3858951.99	1.11E-04	1.74E-08	6.84E-09	1.35E-04	2.13E-08	8.38E-09	1.19E-04	1.87E-08	7.34E-09
1740	495611.06, 3858951.99	1.09E-04	1.72E-08	6.77E-09	1.34E-04	2.11E-08	8.29E-09	1.17E-04	1.85E-08	7.27E-09
1741	495661.06, 3858951.99	1.09E-04	1.72E-08	6.76E-09	1.34E-04	2.11E-08	8.28E-09	1.17E-04	1.85E-08	7.26E-09
1742	494311.06, 3859001.99	1.47E-04	2.31E-08	9.07E-09	1.79E-04	2.83E-08	1.11E-08	1.57E-04	2.48E-08	9.73E-09
1743	494361.06, 3859001.99	1.46E-04	2.30E-08	9.04E-09	1.79E-04	2.82E-08	1.11E-08	1.57E-04	2.47E-08	9.71E-09
1744	494411.06, 3859001.99	1.46E-04	2.29E-08	9.01E-09	1.78E-04	2.81E-08	1.10E-08	1.56E-04	2.46E-08	9.67E-09
1745	494461.06, 3859001.99	1.45E-04	2.28E-08	8.96E-09	1.77E-04	2.79E-08	1.10E-08	1.55E-04	2.45E-08	9.62E-09
1746	494511.06, 3859001.99	1.44E-04	2.27E-08	8.90E-09	1.76E-04	2.78E-08	1.09E-08	1.54E-04	2.43E-08	9.56E-09
1747	494561.06, 3859001.99	1.42E-04	2.23E-08	8.76E-09	1.73E-04	2.73E-08	1.07E-08	1.52E-04	2.39E-08	9.41E-09
1748	494611.06, 3859001.99	1.40E-04	2.20E-08	8.63E-09	1.71E-04	2.69E-08	1.06E-08	1.50E-04	2.36E-08	9.27E-09
1749	494661.06, 3859001.99	1.37E-04	2.16E-08	8.47E-09	1.68E-04	2.64E-08	1.04E-08	1.47E-04	2.31E-08	9.09E-09
1750	494711.06, 3859001.99	1.34E-04	2.11E-08	8.28E-09	1.64E-04	2.58E-08	1.01E-08	1.44E-04	2.26E-08	8.89E-09
1751	494761.06, 3859001.99	1.32E-04	2.08E-08	8.16E-09	1.62E-04	2.55E-08	1.00E-08	1.42E-04	2.23E-08	8.76E-09

1752	494811.06, 3859001.99	1.31E-04	2.06E-08	8.09E-09	1.60E-04	2.52E-08	9.91E-09	1.40E-04	2.21E-08	8.68E-09
1753	494861.06, 3859001.99	1.29E-04	2.03E-08	7.96E-09	1.58E-04	2.48E-08	9.75E-09	1.38E-04	2.18E-08	8.55E-09
1754	494911.06, 3859001.99	1.26E-04	1.99E-08	7.83E-09	1.55E-04	2.44E-08	9.59E-09	1.36E-04	2.14E-08	8.40E-09
1755	494961.06, 3859001.99	1.24E-04	1.96E-08	7.68E-09	1.52E-04	2.40E-08	9.41E-09	1.33E-04	2.10E-08	8.25E-09
1756	495011.06, 3859001.99	1.18E-04	1.86E-08	7.31E-09	1.45E-04	2.28E-08	8.96E-09	1.27E-04	2.00E-08	7.85E-09
1757	495061.06, 3859001.99	1.17E-04	1.84E-08	7.24E-09	1.43E-04	2.26E-08	8.86E-09	1.25E-04	1.98E-08	7.77E-09
1758	495111.06, 3859001.99	1.14E-04	1.80E-08	7.08E-09	1.40E-04	2.21E-08	8.67E-09	1.23E-04	1.93E-08	7.60E-09
1759	495161.06, 3859001.99	1.16E-04	1.83E-08	7.19E-09	1.42E-04	2.24E-08	8.81E-09	1.25E-04	1.97E-08	7.72E-09
1760	495211.06, 3859001.99	1.16E-04	1.82E-08	7.16E-09	1.42E-04	2.23E-08	8.77E-09	1.24E-04	1.96E-08	7.68E-09
1761	495261.06, 3859001.99	1.16E-04	1.82E-08	7.15E-09	1.42E-04	2.23E-08	8.76E-09	1.24E-04	1.95E-08	7.68E-09
1762	495311.06, 3859001.99	1.15E-04	1.81E-08	7.11E-09	1.41E-04	2.22E-08	8.71E-09	1.23E-04	1.94E-08	7.63E-09
1763	495361.06, 3859001.99	1.15E-04	1.81E-08	7.10E-09	1.41E-04	2.21E-08	8.70E-09	1.23E-04	1.94E-08	7.62E-09
1764	495411.06, 3859001.99	1.14E-04	1.80E-08	7.08E-09	1.40E-04	2.21E-08	8.67E-09	1.23E-04	1.93E-08	7.59E-09
1765	495461.06, 3859001.99	1.14E-04	1.80E-08	7.06E-09	1.40E-04	2.20E-08	8.65E-09	1.22E-04	1.93E-08	7.57E-09
1766	495511.06, 3859001.99	1.13E-04	1.77E-08	6.97E-09	1.38E-04	2.17E-08	8.53E-09	1.21E-04	1.90E-08	7.48E-09
1767	495561.06, 3859001.99	1.12E-04	1.76E-08	6.91E-09	1.37E-04	2.16E-08	8.47E-09	1.20E-04	1.89E-08	7.42E-09
1768	495611.06, 3859001.99	1.11E-04	1.74E-08	6.86E-09	1.36E-04	2.14E-08	8.40E-09	1.19E-04	1.87E-08	7.36E-09
1769	495661.06, 3859001.99	1.11E-04	1.75E-08	6.89E-09	1.36E-04	2.15E-08	8.44E-09	1.19E-04	1.88E-08	7.39E-09
1770	494311.06, 3859051.99	1.48E-04	2.33E-08	9.15E-09	1.81E-04	2.85E-08	1.12E-08	1.59E-04	2.50E-08	9.82E-09
1771	494361.06, 3859051.99	1.48E-04	2.33E-08	9.14E-09	1.81E-04	2.85E-08	1.12E-08	1.59E-04	2.50E-08	9.81E-09
1772	494411.06, 3859051.99	1.47E-04	2.31E-08	9.07E-09	1.79E-04	2.83E-08	1.11E-08	1.57E-04	2.48E-08	9.73E-09
1773	494461.06, 3859051.99	1.45E-04	2.29E-08	8.98E-09	1.78E-04	2.80E-08	1.10E-08	1.56E-04	2.45E-08	9.64E-09
1774	494511.06, 3859051.99	1.43E-04	2.26E-08	8.87E-09	1.76E-04	2.77E-08	1.09E-08	1.54E-04	2.42E-08	9.52E-09
1775	494561.06, 3859051.99	1.42E-04	2.23E-08	8.77E-09	1.74E-04	2.74E-08	1.07E-08	1.52E-04	2.40E-08	9.41E-09
1776	494611.06, 3859051.99	1.40E-04	2.20E-08	8.64E-09	1.71E-04	2.69E-08	1.06E-08	1.50E-04	2.36E-08	9.28E-09
1777	494661.06, 3859051.99	1.37E-04	2.16E-08	8.50E-09	1.68E-04	2.65E-08	1.04E-08	1.47E-04	2.32E-08	9.12E-09
1778	494711.06, 3859051.99	1.35E-04	2.13E-08	8.37E-09	1.66E-04	2.61E-08	1.02E-08	1.45E-04	2.29E-08	8.98E-09
1779	494761.06, 3859051.99	1.33E-04	2.09E-08	8.23E-09	1.63E-04	2.56E-08	1.01E-08	1.43E-04	2.25E-08	8.83E-09
1780	494811.06, 3859051.99	1.31E-04	2.07E-08	8.13E-09	1.61E-04	2.53E-08	9.95E-09	1.41E-04	2.22E-08	8.72E-09
1781	494861.06, 3859051.99	1.30E-04	2.04E-08	8.02E-09	1.59E-04	2.50E-08	9.82E-09	1.39E-04	2.19E-08	8.61E-09
1782	494911.06, 3859051.99	1.27E-04	2.00E-08	7.86E-09	1.56E-04	2.45E-08	9.63E-09	1.36E-04	2.15E-08	8.43E-09
1783	494961.06, 3859051.99	1.23E-04	1.94E-08	7.62E-09	1.51E-04	2.38E-08	9.33E-09	1.32E-04	2.08E-08	8.18E-09
1784	495011.06, 3859051.99	1.20E-04	1.89E-08	7.44E-09	1.47E-04	2.32E-08	9.11E-09	1.29E-04	2.03E-08	7.98E-09
1785	495061.06, 3859051.99	1.18E-04	1.86E-08	7.32E-09	1.45E-04	2.28E-08	8.96E-09	1.27E-04	2.00E-08	7.85E-09
1786	495111.06, 3859051.99	1.17E-04	1.85E-08	7.25E-09	1.43E-04	2.26E-08	8.88E-09	1.26E-04	1.98E-08	7.78E-09
1787	495161.06, 3859051.99	1.18E-04	1.86E-08	7.30E-09	1.44E-04	2.28E-08	8.94E-09	1.27E-04	1.99E-08	7.83E-09
1788	495211.06, 3859051.99	1.17E-04	1.84E-08	7.22E-09	1.43E-04	2.25E-08	8.85E-09	1.25E-04	1.97E-08	7.75E-09
1789	495261.06, 3859051.99	1.17E-04	1.84E-08	7.24E-09	1.43E-04	2.26E-08	8.87E-09	1.26E-04	1.98E-08	7.77E-09
1790	495311.06, 3859051.99	1.16E-04	1.83E-08	7.19E-09	1.42E-04	2.24E-08	8.81E-09	1.25E-04	1.96E-08	7.72E-09
1791	495361.06, 3859051.99	1.16E-04	1.82E-08	7.17E-09	1.42E-04	2.23E-08	8.78E-09	1.24E-04	1.96E-08	7.69E-09
1792	495411.06, 3859051.99	1.16E-04	1.82E-08	7.16E-09	1.42E-04	2.23E-08	8.78E-09	1.24E-04	1.96E-08	7.69E-09
1793	495461.06, 3859051.99	1.16E-04	1.82E-08	7.16E-09	1.42E-04	2.23E-08	8.77E-09	1.24E-04	1.96E-08	7.68E-09
1794	495511.06, 3859051.99	1.14E-04	1.80E-08	7.06E-09	1.40E-04	2.20E-08	8.65E-09	1.23E-04	1.93E-08	7.58E-09
1795	495561.06, 3859051.99	1.13E-04	1.78E-08	6.99E-09	1.38E-04	2.18E-08	8.57E-09	1.21E-04	1.91E-08	7.51E-09
1796	495611.06, 3859051.99	1.12E-04	1.76E-08	6.93E-09	1.37E-04	2.16E-08	8.49E-09	1.20E-04	1.89E-08	7.44E-09
1797	495661.06, 3859051.99	1.12E-04	1.77E-08	6.96E-09	1.38E-04	2.17E-08	8.52E-09	1.21E-04	1.90E-08	7.47E-09
1798	494311.06, 3859101.99	1.49E-04	2.35E-08	9.22E-09	1.83E-04	2.88E-08	1.13E-08	1.60E-04	2.52E-08	9.90E-09
1799	494361.06, 3859101.99	1.48E-04	2.33E-08	9.16E-09	1.81E-04	2.86E-08	1.12E-08	1.59E-04	2.50E-08	9.83E-09
1800	494411.06, 3859101.99	1.47E-04	2.32E-08	9.11E-09	1.80E-04	2.84E-08	1.12E-08	1.58E-04	2.49E-08	9.77E-09
1801	494461.06, 3859101.99	1.46E-04	2.30E-08	9.02E-09	1.78E-04	2.81E-08	1.10E-08	1.56E-04	2.46E-08	9.68E-09
1802	494511.06, 3859101.99	1.44E-04	2.26E-08	8.89E-09	1.76E-04	2.77E-08	1.09E-08	1.54E-04	2.43E-08	9.54E-09
1803	494561.06, 3859101.99	1.42E-04	2.24E-08	8.79E-09	1.74E-04	2.74E-08	1.08E-08	1.52E-04	2.40E-08	9.43E-09
1804	494611.06, 3859101.99	1.39E-04	2.20E-08	8.63E-09	1.71E-04	2.69E-08	1.06E-08	1.50E-04	2.36E-08	9.26E-09
1805	494661.06, 3859101.99	1.38E-04	2.17E-08	8.53E-09	1.69E-04	2.66E-08	1.04E-08	1.48E-04	2.33E-08	9.15E-09
1806	494711.06, 3859101.99	1.35E-04	2.13E-08	8.35E-09	1.65E-04	2.60E-08	1.02E-08	1.45E-04	2.28E-08	8.96E-09
1807	494761.06, 3859101.99	1.34E-04	2.11E-08	8.30E-09	1.64E-04	2.59E-08	1.02E-08	1.44E-04	2.27E-08	8.91E-09
1808	494811.06, 3859101.99	1.32E-04	2.08E-08	8.18E-09	1.62E-04	2.55E-08	1.00E-08	1.42E-04	2.23E-08	8.77E-09
1809	494861.06, 3859101.99	1.30E-04	2.05E-08	8.07E-09	1.60E-04	2.51E-08	9.88E-09	1.40E-04	2.20E-08	8.66E-09
1810	494911.06, 3859101.99	1.28E-04	2.01E-08	7.91E-09	1.56E-04	2.46E-08	9.68E-09	1.37E-04	2.16E-08	8.48E-09
1811	494961.06, 3859101.99	1.24E-04	1.95E-08	7.66E-09	1.52E-04	2.39E-08	9.38E-09	1.33E-04	2.09E-08	8.22E-09
1812	495011.06, 3859101.99	1.19E-04	1.88E-08	7.39E-09	1.46E-04	2.31E-08	9.06E-09	1.28E-04	2.02E-08	7.93E-09
1813	495061.06, 3859101.99	1.19E-04	1.88E-08	7.39E-09	1.46E-04	2.30E-08	9.05E-09	1.28E-04	2.02E-08	7.93E-09
1814	495111.06, 3859101.99	1.18E-04	1.86E-08	7.32E-09	1.45E-04	2.28E-08	8.96E-09	1.27E-04	2.00E-08	7.85E-09
1815	495161.06, 3859101.99	1.19E-04	1.87E-08	7.37E-09	1.46E-04	2.30E-08	9.02E-09	1.28E-04	2.01E-08	7.90E-09
1816	495211.06, 3859101.99	1.18E-04	1.86E-08	7.30E-09	1.44E-04	2.28E-08	8.94E-09	1.27E-04	1.99E-08	7.83E-09

1817	495261.06, 3859101.99	1.18E-04	1.86E-08	7.30E-09	1.44E-04	2.28E-08	8.94E-09	1.27E-04	1.99E-08	7.83E-09
1818	495311.06, 3859101.99	1.18E-04	1.85E-08	7.28E-09	1.44E-04	2.27E-08	8.92E-09	1.26E-04	1.99E-08	7.81E-09
1819	495361.06, 3859101.99	1.18E-04	1.85E-08	7.28E-09	1.44E-04	2.27E-08	8.91E-09	1.26E-04	1.99E-08	7.81E-09
1820	495411.06, 3859101.99	1.17E-04	1.85E-08	7.26E-09	1.44E-04	2.26E-08	8.89E-09	1.26E-04	1.98E-08	7.79E-09
1821	495461.06, 3859101.99	1.16E-04	1.83E-08	7.20E-09	1.43E-04	2.25E-08	8.82E-09	1.25E-04	1.97E-08	7.73E-09
1822	495511.06, 3859101.99	1.16E-04	1.82E-08	7.17E-09	1.42E-04	2.23E-08	8.78E-09	1.24E-04	1.96E-08	7.69E-09
1823	495561.06, 3859101.99	1.15E-04	1.81E-08	7.10E-09	1.40E-04	2.21E-08	8.69E-09	1.23E-04	1.94E-08	7.62E-09
1824	495611.06, 3859101.99	1.13E-04	1.79E-08	7.02E-09	1.39E-04	2.19E-08	8.60E-09	1.22E-04	1.92E-08	7.54E-09
1825	495661.06, 3859101.99	1.13E-04	1.79E-08	7.02E-09	1.39E-04	2.19E-08	8.59E-09	1.22E-04	1.92E-08	7.53E-09
1826	494311.06, 3859151.99	1.49E-04	2.35E-08	9.24E-09	1.83E-04	2.88E-08	1.13E-08	1.60E-04	2.52E-08	9.91E-09
1827	494361.06, 3859151.99	1.49E-04	2.34E-08	9.19E-09	1.82E-04	2.87E-08	1.13E-08	1.59E-04	2.51E-08	9.87E-09
1828	494411.06, 3859151.99	1.47E-04	2.32E-08	9.10E-09	1.80E-04	2.84E-08	1.11E-08	1.58E-04	2.48E-08	9.76E-09
1829	494461.06, 3859151.99	1.45E-04	2.29E-08	9.00E-09	1.78E-04	2.80E-08	1.10E-08	1.56E-04	2.46E-08	9.66E-09
1830	494511.06, 3859151.99	1.43E-04	2.26E-08	8.87E-09	1.75E-04	2.76E-08	1.09E-08	1.54E-04	2.42E-08	9.51E-09
1831	494561.06, 3859151.99	1.42E-04	2.24E-08	8.78E-09	1.74E-04	2.74E-08	1.08E-08	1.52E-04	2.40E-08	9.43E-09
1832	494611.06, 3859151.99	1.40E-04	2.20E-08	8.65E-09	1.71E-04	2.70E-08	1.06E-08	1.50E-04	2.36E-08	9.28E-09
1833	494661.06, 3859151.99	1.38E-04	2.18E-08	8.56E-09	1.69E-04	2.67E-08	1.05E-08	1.48E-04	2.34E-08	9.19E-09
1834	494711.06, 3859151.99	1.37E-04	2.16E-08	8.49E-09	1.68E-04	2.65E-08	1.04E-08	1.47E-04	2.32E-08	9.11E-09
1835	494761.06, 3859151.99	1.35E-04	2.12E-08	8.32E-09	1.65E-04	2.60E-08	1.02E-08	1.44E-04	2.27E-08	8.93E-09
1836	494811.06, 3859151.99	1.32E-04	2.08E-08	8.19E-09	1.62E-04	2.55E-08	1.00E-08	1.42E-04	2.24E-08	8.79E-09
1837	494861.06, 3859151.99	1.31E-04	2.06E-08	8.10E-09	1.60E-04	2.52E-08	9.92E-09	1.40E-04	2.21E-08	8.69E-09
1838	494911.06, 3859151.99	1.28E-04	2.02E-08	7.93E-09	1.57E-04	2.47E-08	9.71E-09	1.37E-04	2.17E-08	8.51E-09
1839	494961.06, 3859151.99	1.24E-04	1.96E-08	7.70E-09	1.52E-04	2.40E-08	9.43E-09	1.33E-04	2.10E-08	8.26E-09
1840	495011.06, 3859151.99	1.21E-04	1.90E-08	7.46E-09	1.48E-04	2.33E-08	9.14E-09	1.29E-04	2.04E-08	8.01E-09
1841	495061.06, 3859151.99	1.20E-04	1.89E-08	7.44E-09	1.47E-04	2.32E-08	9.11E-09	1.29E-04	2.03E-08	7.98E-09
1842	495111.06, 3859151.99	1.19E-04	1.88E-08	7.39E-09	1.46E-04	2.31E-08	9.06E-09	1.28E-04	2.02E-08	7.93E-09
1843	495161.06, 3859151.99	1.20E-04	1.89E-08	7.44E-09	1.47E-04	2.32E-08	9.11E-09	1.29E-04	2.03E-08	7.98E-09
1844	495211.06, 3859151.99	1.20E-04	1.88E-08	7.40E-09	1.46E-04	2.31E-08	9.07E-09	1.28E-04	2.02E-08	7.94E-09
1845	495261.06, 3859151.99	1.19E-04	1.88E-08	7.37E-09	1.46E-04	2.30E-08	9.02E-09	1.28E-04	2.01E-08	7.91E-09
1846	495311.06, 3859151.99	1.19E-04	1.87E-08	7.34E-09	1.45E-04	2.29E-08	8.99E-09	1.27E-04	2.01E-08	7.88E-09
1847	495361.06, 3859151.99	1.18E-04	1.86E-08	7.31E-09	1.45E-04	2.28E-08	8.96E-09	1.27E-04	2.00E-08	7.85E-09
1848	495411.06, 3859151.99	1.19E-04	1.87E-08	7.35E-09	1.45E-04	2.29E-08	9.00E-09	1.27E-04	2.01E-08	7.88E-09
1849	495461.06, 3859151.99	1.18E-04	1.86E-08	7.32E-09	1.45E-04	2.28E-08	8.96E-09	1.27E-04	2.00E-08	7.85E-09
1850	495511.06, 3859151.99	1.17E-04	1.84E-08	7.24E-09	1.43E-04	2.26E-08	8.86E-09	1.25E-04	1.98E-08	7.77E-09
1851	495561.06, 3859151.99	1.16E-04	1.83E-08	7.18E-09	1.42E-04	2.24E-08	8.79E-09	1.24E-04	1.96E-08	7.70E-09
1852	495611.06, 3859151.99	1.15E-04	1.81E-08	7.13E-09	1.41E-04	2.22E-08	8.73E-09	1.24E-04	1.95E-08	7.65E-09
1853	495661.06, 3859151.99	1.14E-04	1.80E-08	7.08E-09	1.40E-04	2.21E-08	8.68E-09	1.23E-04	1.94E-08	7.60E-09
1854	494311.06, 3859201.99	1.49E-04	2.35E-08	9.23E-09	1.83E-04	2.88E-08	1.13E-08	1.60E-04	2.52E-08	9.91E-09
1855	494361.06, 3859201.99	1.48E-04	2.33E-08	9.17E-09	1.81E-04	2.86E-08	1.12E-08	1.59E-04	2.50E-08	9.84E-09
1856	494411.06, 3859201.99	1.47E-04	2.31E-08	9.09E-09	1.80E-04	2.83E-08	1.11E-08	1.58E-04	2.48E-08	9.75E-09
1857	494461.06, 3859201.99	1.45E-04	2.28E-08	8.97E-09	1.78E-04	2.80E-08	1.10E-08	1.56E-04	2.45E-08	9.63E-09
1858	494511.06, 3859201.99	1.44E-04	2.26E-08	8.89E-09	1.76E-04	2.77E-08	1.09E-08	1.54E-04	2.43E-08	9.54E-09
1859	494561.06, 3859201.99	1.41E-04	2.23E-08	8.76E-09	1.73E-04	2.73E-08	1.07E-08	1.52E-04	2.39E-08	9.40E-09
1860	494611.06, 3859201.99	1.40E-04	2.20E-08	8.65E-09	1.71E-04	2.70E-08	1.06E-08	1.50E-04	2.36E-08	9.28E-09
1861	494661.06, 3859201.99	1.38E-04	2.18E-08	8.57E-09	1.70E-04	2.67E-08	1.05E-08	1.49E-04	2.34E-08	9.19E-09
1862	494711.06, 3859201.99	1.37E-04	2.16E-08	8.48E-09	1.68E-04	2.64E-08	1.04E-08	1.47E-04	2.32E-08	9.10E-09
1863	494761.06, 3859201.99	1.35E-04	2.12E-08	8.33E-09	1.65E-04	2.60E-08	1.02E-08	1.45E-04	2.28E-08	8.95E-09
1864	494811.06, 3859201.99	1.33E-04	2.09E-08	8.21E-09	1.63E-04	2.56E-08	1.01E-08	1.42E-04	2.24E-08	8.82E-09
1865	494861.06, 3859201.99	1.31E-04	2.06E-08	8.08E-09	1.60E-04	2.52E-08	9.89E-09	1.40E-04	2.21E-08	8.67E-09
1866	494911.06, 3859201.99	1.27E-04	2.01E-08	7.89E-09	1.56E-04	2.46E-08	9.66E-09	1.37E-04	2.15E-08	8.47E-09
1867	494961.06, 3859201.99	1.24E-04	1.96E-08	7.69E-09	1.52E-04	2.40E-08	9.42E-09	1.33E-04	2.10E-08	8.25E-09
1868	495011.06, 3859201.99	1.20E-04	1.89E-08	7.42E-09	1.47E-04	2.31E-08	9.09E-09	1.29E-04	2.03E-08	7.97E-09
1869	495061.06, 3859201.99	1.21E-04	1.91E-08	7.52E-09	1.49E-04	2.34E-08	9.21E-09	1.30E-04	2.05E-08	8.07E-09
1870	495111.06, 3859201.99	1.21E-04	1.91E-08	7.51E-09	1.49E-04	2.34E-08	9.20E-09	1.30E-04	2.05E-08	8.06E-09
1871	495161.06, 3859201.99	1.21E-04	1.91E-08	7.49E-09	1.48E-04	2.33E-08	9.17E-09	1.30E-04	2.05E-08	8.04E-09
1872	495211.06, 3859201.99	1.20E-04	1.89E-08	7.43E-09	1.47E-04	2.32E-08	9.10E-09	1.29E-04	2.03E-08	7.97E-09
1873	495261.06, 3859201.99	1.20E-04	1.89E-08	7.42E-09	1.47E-04	2.31E-08	9.09E-09	1.29E-04	2.03E-08	7.97E-09
1874	495311.06, 3859201.99	1.20E-04	1.88E-08	7.40E-09	1.46E-04	2.31E-08	9.06E-09	1.28E-04	2.02E-08	7.94E-09
1875	495361.06, 3859201.99	1.19E-04	1.88E-08	7.38E-09	1.46E-04	2.30E-08	9.05E-09	1.28E-04	2.02E-08	7.93E-09
1876	495411.06, 3859201.99	1.20E-04	1.88E-08	7.40E-09	1.47E-04	2.31E-08	9.07E-09	1.28E-04	2.02E-08	7.95E-09
1877	495461.06, 3859201.99	1.19E-04	1.87E-08	7.36E-09	1.46E-04	2.30E-08	9.02E-09	1.28E-04	2.01E-08	7.90E-09
1878	495511.06, 3859201.99	1.18E-04	1.86E-08	7.32E-09	1.45E-04	2.28E-08	8.97E-09	1.27E-04	2.00E-08	7.86E-09
1879	495561.06, 3859201.99	1.17E-04	1.84E-08	7.24E-09	1.43E-04	2.26E-08	8.86E-09	1.25E-04	1.98E-08	7.77E-09
1880	495611.06, 3859201.99	1.16E-04	1.83E-08	7.17E-09	1.42E-04	2.24E-08	8.79E-09	1.24E-04	1.96E-08	7.70E-09
1881	495661.06, 3859201.99	1.15E-04	1.82E-08	7.13E-09	1.41E-04	2.22E-08	8.74E-09	1.24E-04	1.95E-08	7.66E-09

1882	494311.06, 3859251.99	1.49E-04	2.34E-08	9.21E-09	1.82E-04	2.87E-08	1.13E-08	1.60E-04	2.52E-08	9.88E-09
1883	494361.06, 3859251.99	1.47E-04	2.32E-08	9.12E-09	1.81E-04	2.84E-08	1.12E-08	1.58E-04	2.49E-08	9.79E-09
1884	494411.06, 3859251.99	1.46E-04	2.29E-08	9.01E-09	1.78E-04	2.81E-08	1.10E-08	1.56E-04	2.46E-08	9.67E-09
1885	494461.06, 3859251.99	1.44E-04	2.27E-08	8.94E-09	1.77E-04	2.79E-08	1.09E-08	1.55E-04	2.44E-08	9.59E-09
1886	494511.06, 3859251.99	1.42E-04	2.24E-08	8.81E-09	1.74E-04	2.75E-08	1.08E-08	1.53E-04	2.41E-08	9.46E-09
1887	494561.06, 3859251.99	1.41E-04	2.22E-08	8.73E-09	1.73E-04	2.72E-08	1.07E-08	1.51E-04	2.38E-08	9.37E-09
1888	494611.06, 3859251.99	1.39E-04	2.19E-08	8.62E-09	1.71E-04	2.69E-08	1.06E-08	1.49E-04	2.35E-08	9.25E-09
1889	494661.06, 3859251.99	1.38E-04	2.18E-08	8.55E-09	1.69E-04	2.67E-08	1.05E-08	1.48E-04	2.34E-08	9.18E-09
1890	494711.06, 3859251.99	1.37E-04	2.16E-08	8.47E-09	1.68E-04	2.64E-08	1.04E-08	1.47E-04	2.31E-08	9.09E-09
1891	494761.06, 3859251.99	1.34E-04	2.10E-08	8.26E-09	1.64E-04	2.58E-08	1.01E-08	1.43E-04	2.26E-08	8.87E-09
1892	494811.06, 3859251.99	1.33E-04	2.09E-08	8.22E-09	1.63E-04	2.56E-08	1.01E-08	1.43E-04	2.25E-08	8.82E-09
1893	494861.06, 3859251.99	1.30E-04	2.04E-08	8.03E-09	1.59E-04	2.50E-08	9.83E-09	1.39E-04	2.19E-08	8.62E-09
1894	494911.06, 3859251.99	1.27E-04	2.00E-08	7.85E-09	1.55E-04	2.45E-08	9.61E-09	1.36E-04	2.14E-08	8.42E-09
1895	494961.06, 3859251.99	1.25E-04	1.97E-08	7.75E-09	1.53E-04	2.42E-08	9.49E-09	1.34E-04	2.12E-08	8.32E-09
1896	495011.06, 3859251.99	1.23E-04	1.94E-08	7.63E-09	1.51E-04	2.38E-08	9.35E-09	1.32E-04	2.08E-08	8.19E-09
1897	495061.06, 3859251.99	1.23E-04	1.94E-08	7.63E-09	1.51E-04	2.38E-08	9.35E-09	1.32E-04	2.09E-08	8.19E-09
1898	495111.06, 3859251.99	1.23E-04	1.93E-08	7.59E-09	1.50E-04	2.37E-08	9.29E-09	1.32E-04	2.07E-08	8.14E-09
1899	495161.06, 3859251.99	1.22E-04	1.92E-08	7.56E-09	1.50E-04	2.36E-08	9.26E-09	1.31E-04	2.07E-08	8.11E-09
1900	495211.06, 3859251.99	1.21E-04	1.91E-08	7.51E-09	1.49E-04	2.34E-08	9.19E-09	1.30E-04	2.05E-08	8.06E-09
1901	495261.06, 3859251.99	1.21E-04	1.91E-08	7.49E-09	1.48E-04	2.34E-08	9.17E-09	1.30E-04	2.05E-08	8.04E-09
1902	495311.06, 3859251.99	1.21E-04	1.90E-08	7.48E-09	1.48E-04	2.33E-08	9.16E-09	1.30E-04	2.04E-08	8.03E-09
1903	495361.06, 3859251.99	1.20E-04	1.90E-08	7.45E-09	1.47E-04	2.32E-08	9.12E-09	1.29E-04	2.03E-08	7.99E-09
1904	495411.06, 3859251.99	1.20E-04	1.90E-08	7.46E-09	1.48E-04	2.32E-08	9.13E-09	1.29E-04	2.04E-08	8.00E-09
1905	495461.06, 3859251.99	1.20E-04	1.89E-08	7.42E-09	1.47E-04	2.31E-08	9.09E-09	1.29E-04	2.03E-08	7.96E-09
1906	495511.06, 3859251.99	1.18E-04	1.87E-08	7.33E-09	1.45E-04	2.29E-08	8.98E-09	1.27E-04	2.00E-08	7.87E-09
1907	495561.06, 3859251.99	1.18E-04	1.85E-08	7.28E-09	1.44E-04	2.27E-08	8.92E-09	1.26E-04	1.99E-08	7.82E-09
1908	495611.06, 3859251.99	1.16E-04	1.84E-08	7.21E-09	1.43E-04	2.25E-08	8.83E-09	1.25E-04	1.97E-08	7.74E-09
1909	495661.06, 3859251.99	1.16E-04	1.82E-08	7.16E-09	1.42E-04	2.23E-08	8.77E-09	1.24E-04	1.96E-08	7.68E-09
1910	494311.06, 3859301.99	1.48E-04	2.33E-08	9.16E-09	1.81E-04	2.86E-08	1.12E-08	1.59E-04	2.50E-08	9.83E-09
1911	494361.06, 3859301.99	1.47E-04	2.31E-08	9.08E-09	1.80E-04	2.83E-08	1.11E-08	1.57E-04	2.48E-08	9.74E-09
1912	494411.06, 3859301.99	1.45E-04	2.28E-08	8.97E-09	1.78E-04	2.80E-08	1.10E-08	1.56E-04	2.45E-08	9.63E-09
1913	494461.06, 3859301.99	1.43E-04	2.26E-08	8.87E-09	1.75E-04	2.76E-08	1.09E-08	1.54E-04	2.42E-08	9.52E-09
1914	494511.06, 3859301.99	1.42E-04	2.23E-08	8.77E-09	1.74E-04	2.73E-08	1.07E-08	1.52E-04	2.40E-08	9.41E-09
1915	494561.06, 3859301.99	1.40E-04	2.21E-08	8.69E-09	1.72E-04	2.71E-08	1.06E-08	1.51E-04	2.37E-08	9.33E-09
1916	494611.06, 3859301.99	1.39E-04	2.19E-08	8.60E-09	1.70E-04	2.68E-08	1.05E-08	1.49E-04	2.35E-08	9.23E-09
1917	494661.06, 3859301.99	1.38E-04	2.17E-08	8.52E-09	1.69E-04	2.66E-08	1.04E-08	1.48E-04	2.33E-08	9.14E-09
1918	494711.06, 3859301.99	1.36E-04	2.14E-08	8.41E-09	1.66E-04	2.62E-08	1.03E-08	1.46E-04	2.30E-08	9.03E-09
1919	494761.06, 3859301.99	1.34E-04	2.12E-08	8.32E-09	1.65E-04	2.59E-08	1.02E-08	1.44E-04	2.27E-08	8.93E-09
1920	494811.06, 3859301.99	1.32E-04	2.08E-08	8.18E-09	1.62E-04	2.55E-08	1.00E-08	1.42E-04	2.23E-08	8.78E-09
1921	494861.06, 3859301.99	1.29E-04	2.03E-08	7.99E-09	1.58E-04	2.49E-08	9.78E-09	1.39E-04	2.18E-08	8.57E-09
1922	494911.06, 3859301.99	1.27E-04	2.01E-08	7.89E-09	1.56E-04	2.46E-08	9.66E-09	1.37E-04	2.15E-08	8.47E-09
1923	494961.06, 3859301.99	1.24E-04	1.96E-08	7.69E-09	1.52E-04	2.40E-08	9.42E-09	1.33E-04	2.10E-08	8.25E-09
1924	495011.06, 3859301.99	1.23E-04	1.94E-08	7.61E-09	1.51E-04	2.37E-08	9.32E-09	1.32E-04	2.08E-08	8.17E-09
1925	495061.06, 3859301.99	1.24E-04	1.96E-08	7.70E-09	1.52E-04	2.40E-08	9.43E-09	1.33E-04	2.10E-08	8.26E-09
1926	495111.06, 3859301.99	1.23E-04	1.93E-08	7.59E-09	1.50E-04	2.37E-08	9.30E-09	1.32E-04	2.07E-08	8.14E-09
1927	495161.06, 3859301.99	1.22E-04	1.92E-08	7.56E-09	1.50E-04	2.36E-08	9.26E-09	1.31E-04	2.07E-08	8.12E-09
1928	495211.06, 3859301.99	1.22E-04	1.93E-08	7.58E-09	1.50E-04	2.36E-08	9.28E-09	1.31E-04	2.07E-08	8.14E-09
1929	495261.06, 3859301.99	1.22E-04	1.93E-08	7.57E-09	1.50E-04	2.36E-08	9.27E-09	1.31E-04	2.07E-08	8.12E-09
1930	495311.06, 3859301.99	1.21E-04	1.91E-08	7.49E-09	1.48E-04	2.34E-08	9.18E-09	1.30E-04	2.05E-08	8.04E-09
1931	495361.06, 3859301.99	1.21E-04	1.91E-08	7.49E-09	1.48E-04	2.34E-08	9.18E-09	1.30E-04	2.05E-08	8.04E-09
1932	495411.06, 3859301.99	1.21E-04	1.90E-08	7.47E-09	1.48E-04	2.33E-08	9.15E-09	1.29E-04	2.04E-08	8.01E-09
1933	495461.06, 3859301.99	1.20E-04	1.90E-08	7.45E-09	1.47E-04	2.32E-08	9.13E-09	1.29E-04	2.04E-08	8.00E-09
1934	495511.06, 3859301.99	1.19E-04	1.88E-08	7.38E-09	1.46E-04	2.30E-08	9.04E-09	1.28E-04	2.02E-08	7.93E-09
1935	495561.06, 3859301.99	1.18E-04	1.85E-08	7.28E-09	1.44E-04	2.27E-08	8.91E-09	1.26E-04	1.99E-08	7.81E-09
1936	495611.06, 3859301.99	1.17E-04	1.84E-08	7.23E-09	1.43E-04	2.25E-08	8.86E-09	1.25E-04	1.98E-08	7.76E-09
1937	495661.06, 3859301.99	1.16E-04	1.83E-08	7.18E-09	1.42E-04	2.24E-08	8.80E-09	1.25E-04	1.96E-08	7.71E-09
1938	494311.06, 3859351.99	1.47E-04	2.31E-08	9.08E-09	1.80E-04	2.83E-08	1.11E-08	1.58E-04	2.48E-08	9.75E-09
1939	494361.06, 3859351.99	1.45E-04	2.29E-08	9.00E-09	1.78E-04	2.81E-08	1.10E-08	1.56E-04	2.46E-08	9.66E-09
1940	494411.06, 3859351.99	1.44E-04	2.26E-08	8.90E-09	1.76E-04	2.77E-08	1.09E-08	1.54E-04	2.43E-08	9.55E-09
1941	494461.06, 3859351.99	1.42E-04	2.24E-08	8.80E-09	1.74E-04	2.74E-08	1.08E-08	1.53E-04	2.40E-08	9.44E-09
1942	494511.06, 3859351.99	1.41E-04	2.22E-08	8.71E-09	1.72E-04	2.72E-08	1.07E-08	1.51E-04	2.38E-08	9.35E-09
1943	494561.06, 3859351.99	1.40E-04	2.20E-08	8.64E-09	1.71E-04	2.69E-08	1.06E-08	1.50E-04	2.36E-08	9.28E-09
1944	494611.06, 3859351.99	1.38E-04	2.18E-08	8.56E-09	1.69E-04	2.67E-08	1.05E-08	1.49E-04	2.34E-08	9.19E-09
1945	494661.06, 3859351.99	1.37E-04	2.16E-08	8.48E-09	1.68E-04	2.64E-08	1.04E-08	1.47E-04	2.32E-08	9.10E-09
1946	494711.06, 3859351.99	1.35E-04	2.13E-08	8.37E-09	1.66E-04	2.61E-08	1.03E-08	1.45E-04	2.29E-08	8.99E-09

1947	494761.06, 3859351.99	1.33E-04	2.10E-08	8.24E-09	1.63E-04	2.57E-08	1.01E-08	1.43E-04	2.25E-08	8.84E-09
1948	494811.06, 3859351.99	1.30E-04	2.05E-08	8.05E-09	1.59E-04	2.51E-08	9.85E-09	1.40E-04	2.20E-08	8.64E-09
1949	494861.06, 3859351.99	1.29E-04	2.03E-08	7.97E-09	1.58E-04	2.48E-08	9.76E-09	1.38E-04	2.18E-08	8.55E-09
1950	494911.06, 3859351.99	1.28E-04	2.01E-08	7.91E-09	1.57E-04	2.47E-08	9.69E-09	1.37E-04	2.16E-08	8.49E-09
1951	494961.06, 3859351.99	1.26E-04	1.99E-08	7.82E-09	1.55E-04	2.44E-08	9.58E-09	1.36E-04	2.14E-08	8.40E-09
1952	495011.06, 3859351.99	1.25E-04	1.97E-08	7.76E-09	1.53E-04	2.42E-08	9.50E-09	1.34E-04	2.12E-08	8.32E-09
1953	495061.06, 3859351.99	1.26E-04	1.98E-08	7.79E-09	1.54E-04	2.43E-08	9.54E-09	1.35E-04	2.13E-08	8.36E-09
1954	495111.06, 3859351.99	1.25E-04	1.96E-08	7.71E-09	1.53E-04	2.40E-08	9.45E-09	1.34E-04	2.11E-08	8.28E-09
1955	495161.06, 3859351.99	1.24E-04	1.95E-08	7.67E-09	1.52E-04	2.39E-08	9.40E-09	1.33E-04	2.10E-08	8.24E-09
1956	495211.06, 3859351.99	1.23E-04	1.94E-08	7.63E-09	1.51E-04	2.38E-08	9.35E-09	1.32E-04	2.09E-08	8.19E-09
1957	495261.06, 3859351.99	1.23E-04	1.94E-08	7.62E-09	1.51E-04	2.37E-08	9.33E-09	1.32E-04	2.08E-08	8.17E-09
1958	495311.06, 3859351.99	1.22E-04	1.92E-08	7.55E-09	1.50E-04	2.36E-08	9.25E-09	1.31E-04	2.06E-08	8.11E-09
1959	495361.06, 3859351.99	1.21E-04	1.91E-08	7.52E-09	1.49E-04	2.34E-08	9.21E-09	1.30E-04	2.05E-08	8.07E-09
1960	495411.06, 3859351.99	1.21E-04	1.91E-08	7.50E-09	1.48E-04	2.34E-08	9.18E-09	1.30E-04	2.05E-08	8.05E-09
1961	495461.06, 3859351.99	1.21E-04	1.91E-08	7.49E-09	1.48E-04	2.33E-08	9.17E-09	1.30E-04	2.05E-08	8.04E-09
1962	495511.06, 3859351.99	1.20E-04	1.88E-08	7.40E-09	1.47E-04	2.31E-08	9.07E-09	1.28E-04	2.02E-08	7.95E-09
1963	495561.06, 3859351.99	1.19E-04	1.87E-08	7.34E-09	1.45E-04	2.29E-08	8.99E-09	1.27E-04	2.00E-08	7.88E-09
1964	495611.06, 3859351.99	1.18E-04	1.86E-08	7.29E-09	1.44E-04	2.27E-08	8.93E-09	1.26E-04	1.99E-08	7.83E-09
1965	495661.06, 3859351.99	1.16E-04	1.83E-08	7.20E-09	1.43E-04	2.25E-08	8.82E-09	1.25E-04	1.97E-08	7.73E-09
1966	494311.06, 3859401.99	1.46E-04	2.30E-08	9.02E-09	1.78E-04	2.81E-08	1.10E-08	1.56E-04	2.46E-08	9.68E-09
1967	494361.06, 3859401.99	1.44E-04	2.27E-08	8.92E-09	1.76E-04	2.78E-08	1.09E-08	1.55E-04	2.44E-08	9.57E-09
1968	494411.06, 3859401.99	1.42E-04	2.24E-08	8.81E-09	1.74E-04	2.75E-08	1.08E-08	1.53E-04	2.41E-08	9.46E-09
1969	494461.06, 3859401.99	1.41E-04	2.22E-08	8.73E-09	1.73E-04	2.72E-08	1.07E-08	1.51E-04	2.39E-08	9.37E-09
1970	494511.06, 3859401.99	1.40E-04	2.21E-08	8.67E-09	1.72E-04	2.70E-08	1.06E-08	1.50E-04	2.37E-08	9.31E-09
1971	494561.06, 3859401.99	1.39E-04	2.19E-08	8.60E-09	1.70E-04	2.68E-08	1.05E-08	1.49E-04	2.35E-08	9.23E-09
1972	494611.06, 3859401.99	1.38E-04	2.17E-08	8.52E-09	1.69E-04	2.65E-08	1.04E-08	1.48E-04	2.33E-08	9.14E-09
1973	494661.06, 3859401.99	1.37E-04	2.15E-08	8.45E-09	1.67E-04	2.63E-08	1.04E-08	1.47E-04	2.31E-08	9.07E-09
1974	494711.06, 3859401.99	1.35E-04	2.13E-08	8.38E-09	1.66E-04	2.61E-08	1.03E-08	1.45E-04	2.29E-08	8.99E-09
1975	494761.06, 3859401.99	1.33E-04	2.10E-08	8.24E-09	1.63E-04	2.57E-08	1.01E-08	1.43E-04	2.25E-08	8.84E-09
1976	494811.06, 3859401.99	1.31E-04	2.07E-08	8.13E-09	1.61E-04	2.53E-08	9.96E-09	1.41E-04	2.22E-08	8.72E-09
1977	494861.06, 3859401.99	1.29E-04	2.03E-08	7.99E-09	1.58E-04	2.49E-08	9.79E-09	1.39E-04	2.18E-08	8.58E-09
1978	494911.06, 3859401.99	1.28E-04	2.01E-08	7.90E-09	1.56E-04	2.46E-08	9.68E-09	1.37E-04	2.16E-08	8.48E-09
1979	494961.06, 3859401.99	1.27E-04	2.00E-08	7.85E-09	1.55E-04	2.45E-08	9.61E-09	1.36E-04	2.14E-08	8.42E-09
1980	495011.06, 3859401.99	1.26E-04	1.99E-08	7.81E-09	1.55E-04	2.44E-08	9.57E-09	1.35E-04	2.13E-08	8.38E-09
1981	495061.06, 3859401.99	1.26E-04	1.98E-08	7.79E-09	1.54E-04	2.43E-08	9.54E-09	1.35E-04	2.13E-08	8.36E-09
1982	495111.06, 3859401.99	1.25E-04	1.96E-08	7.71E-09	1.53E-04	2.40E-08	9.45E-09	1.34E-04	2.11E-08	8.28E-09
1983	495161.06, 3859401.99	1.24E-04	1.96E-08	7.68E-09	1.52E-04	2.40E-08	9.41E-09	1.33E-04	2.10E-08	8.25E-09
1984	495211.06, 3859401.99	1.24E-04	1.95E-08	7.67E-09	1.52E-04	2.39E-08	9.39E-09	1.33E-04	2.10E-08	8.23E-09
1985	495261.06, 3859401.99	1.23E-04	1.94E-08	7.63E-09	1.51E-04	2.38E-08	9.35E-09	1.32E-04	2.08E-08	8.19E-09
1986	495311.06, 3859401.99	1.23E-04	1.93E-08	7.59E-09	1.50E-04	2.37E-08	9.29E-09	1.32E-04	2.07E-08	8.14E-09
1987	495361.06, 3859401.99	1.22E-04	1.93E-08	7.58E-09	1.50E-04	2.36E-08	9.28E-09	1.31E-04	2.07E-08	8.13E-09
1988	495411.06, 3859401.99	1.22E-04	1.92E-08	7.55E-09	1.49E-04	2.35E-08	9.25E-09	1.31E-04	2.06E-08	8.10E-09
1989	495461.06, 3859401.99	1.21E-04	1.91E-08	7.49E-09	1.48E-04	2.34E-08	9.18E-09	1.30E-04	2.05E-08	8.04E-09
1990	495511.06, 3859401.99	1.20E-04	1.89E-08	7.42E-09	1.47E-04	2.31E-08	9.08E-09	1.29E-04	2.03E-08	7.96E-09
1991	495561.06, 3859401.99	1.18E-04	1.86E-08	7.32E-09	1.45E-04	2.28E-08	8.97E-09	1.27E-04	2.00E-08	7.86E-09
1992	495611.06, 3859401.99	1.18E-04	1.85E-08	7.27E-09	1.44E-04	2.27E-08	8.91E-09	1.26E-04	1.99E-08	7.81E-09
1993	495661.06, 3859401.99	1.17E-04	1.84E-08	7.23E-09	1.43E-04	2.25E-08	8.85E-09	1.25E-04	1.97E-08	7.76E-09
1994	494311.06, 3859451.99	1.44E-04	2.27E-08	8.91E-09	1.76E-04	2.78E-08	1.09E-08	1.55E-04	2.43E-08	9.56E-09
1995	494361.06, 3859451.99	1.43E-04	2.25E-08	8.82E-09	1.75E-04	2.75E-08	1.08E-08	1.53E-04	2.41E-08	9.47E-09
1996	494411.06, 3859451.99	1.41E-04	2.22E-08	8.71E-09	1.72E-04	2.71E-08	1.07E-08	1.51E-04	2.38E-08	9.35E-09
1997	494461.06, 3859451.99	1.40E-04	2.20E-08	8.66E-09	1.71E-04	2.70E-08	1.06E-08	1.50E-04	2.37E-08	9.29E-09
1998	494511.06, 3859451.99	1.39E-04	2.18E-08	8.58E-09	1.70E-04	2.67E-08	1.05E-08	1.49E-04	2.34E-08	9.21E-09
1999	494561.06, 3859451.99	1.38E-04	2.17E-08	8.51E-09	1.69E-04	2.65E-08	1.04E-08	1.48E-04	2.33E-08	9.14E-09
2000	494611.06, 3859451.99	1.37E-04	2.16E-08	8.47E-09	1.68E-04	2.64E-08	1.04E-08	1.47E-04	2.31E-08	9.09E-09
2001	494661.06, 3859451.99	1.36E-04	2.14E-08	8.39E-09	1.66E-04	2.62E-08	1.03E-08	1.45E-04	2.29E-08	9.00E-09
2002	494711.06, 3859451.99	1.34E-04	2.11E-08	8.30E-09	1.64E-04	2.59E-08	1.02E-08	1.44E-04	2.27E-08	8.91E-09
2003	494761.06, 3859451.99	1.33E-04	2.09E-08	8.23E-09	1.63E-04	2.57E-08	1.01E-08	1.43E-04	2.25E-08	8.83E-09
2004	494811.06, 3859451.99	1.31E-04	2.07E-08	8.12E-09	1.61E-04	2.53E-08	9.95E-09	1.41E-04	2.22E-08	8.72E-09
2005	494861.06, 3859451.99	1.30E-04	2.04E-08	8.03E-09	1.59E-04	2.50E-08	9.83E-09	1.39E-04	2.19E-08	8.62E-09
2006	494911.06, 3859451.99	1.29E-04	2.02E-08	7.95E-09	1.57E-04	2.48E-08	9.74E-09	1.38E-04	2.17E-08	8.54E-09
2007	494961.06, 3859451.99	1.28E-04	2.01E-08	7.91E-09	1.57E-04	2.47E-08	9.69E-09	1.37E-04	2.16E-08	8.49E-09
2008	495011.06, 3859451.99	1.27E-04	2.00E-08	7.85E-09	1.55E-04	2.45E-08	9.62E-09	1.36E-04	2.15E-08	8.43E-09
2009	495061.06, 3859451.99	1.26E-04	1.98E-08	7.80E-09	1.54E-04	2.43E-08	9.55E-09	1.35E-04	2.13E-08	8.37E-09
2010	495111.06, 3859451.99	1.25E-04	1.97E-08	7.74E-09	1.53E-04	2.41E-08	9.48E-09	1.34E-04	2.11E-08	8.31E-09
2011	495161.06, 3859451.99	1.25E-04	1.96E-08	7.71E-09	1.53E-04	2.40E-08	9.44E-09	1.34E-04	2.11E-08	8.28E-09

2012	495211.06, 3859451.99	1.24E-04	1.96E-08	7.69E-09	1.52E-04	2.40E-08	9.42E-09	1.33E-04	2.10E-08	8.25E-09
2013	495261.06, 3859451.99	1.24E-04	1.95E-08	7.67E-09	1.52E-04	2.39E-08	9.39E-09	1.33E-04	2.09E-08	8.23E-09
2014	495311.06, 3859451.99	1.23E-04	1.94E-08	7.62E-09	1.51E-04	2.38E-08	9.33E-09	1.32E-04	2.08E-08	8.18E-09
2015	495361.06, 3859451.99	1.23E-04	1.93E-08	7.58E-09	1.50E-04	2.36E-08	9.29E-09	1.32E-04	2.07E-08	8.14E-09
2016	495411.06, 3859451.99	1.22E-04	1.92E-08	7.54E-09	1.49E-04	2.35E-08	9.23E-09	1.31E-04	2.06E-08	8.09E-09
2017	495461.06, 3859451.99	1.21E-04	1.91E-08	7.50E-09	1.48E-04	2.34E-08	9.19E-09	1.30E-04	2.05E-08	8.05E-09
2018	495511.06, 3859451.99	1.20E-04	1.89E-08	7.41E-09	1.47E-04	2.31E-08	9.08E-09	1.29E-04	2.03E-08	7.96E-09
2019	495561.06, 3859451.99	1.19E-04	1.87E-08	7.36E-09	1.46E-04	2.29E-08	9.01E-09	1.28E-04	2.01E-08	7.90E-09
2020	495611.06, 3859451.99	1.18E-04	1.86E-08	7.30E-09	1.45E-04	2.28E-08	8.95E-09	1.27E-04	2.00E-08	7.84E-09
2021	495661.06, 3859451.99	1.17E-04	1.85E-08	7.25E-09	1.44E-04	2.26E-08	8.88E-09	1.26E-04	1.98E-08	7.79E-09
2022	494311.06, 3859501.99	1.42E-04	2.24E-08	8.82E-09	1.74E-04	2.75E-08	1.08E-08	1.53E-04	2.41E-08	9.46E-09
2023	494361.06, 3859501.99	1.41E-04	2.22E-08	8.73E-09	1.73E-04	2.72E-08	1.07E-08	1.51E-04	2.39E-08	9.38E-09
2024	494411.06, 3859501.99	1.39E-04	2.19E-08	8.60E-09	1.70E-04	2.68E-08	1.05E-08	1.49E-04	2.35E-08	9.23E-09
2025	494461.06, 3859501.99	1.39E-04	2.19E-08	8.58E-09	1.70E-04	2.68E-08	1.05E-08	1.49E-04	2.35E-08	9.21E-09
2026	494511.06, 3859501.99	1.37E-04	2.16E-08	8.50E-09	1.68E-04	2.65E-08	1.04E-08	1.47E-04	2.32E-08	9.13E-09
2027	494561.06, 3859501.99	1.36E-04	2.15E-08	8.43E-09	1.67E-04	2.63E-08	1.03E-08	1.46E-04	2.30E-08	9.05E-09
2028	494611.06, 3859501.99	1.36E-04	2.14E-08	8.42E-09	1.67E-04	2.63E-08	1.03E-08	1.46E-04	2.30E-08	9.04E-09
2029	494661.06, 3859501.99	1.35E-04	2.12E-08	8.33E-09	1.65E-04	2.60E-08	1.02E-08	1.45E-04	2.28E-08	8.94E-09
2030	494711.06, 3859501.99	1.33E-04	2.09E-08	8.23E-09	1.63E-04	2.56E-08	1.01E-08	1.43E-04	2.25E-08	8.83E-09
2031	494761.06, 3859501.99	1.32E-04	2.09E-08	8.20E-09	1.62E-04	2.56E-08	1.00E-08	1.42E-04	2.24E-08	8.80E-09
2032	494811.06, 3859501.99	1.30E-04	2.05E-08	8.06E-09	1.60E-04	2.51E-08	9.87E-09	1.40E-04	2.20E-08	8.65E-09
2033	494861.06, 3859501.99	1.29E-04	2.04E-08	8.00E-09	1.58E-04	2.49E-08	9.80E-09	1.39E-04	2.19E-08	8.59E-09
2034	494911.06, 3859501.99	1.29E-04	2.03E-08	7.96E-09	1.58E-04	2.48E-08	9.75E-09	1.38E-04	2.17E-08	8.54E-09
2035	494961.06, 3859501.99	1.27E-04	2.01E-08	7.88E-09	1.56E-04	2.46E-08	9.65E-09	1.37E-04	2.15E-08	8.46E-09
2036	495011.06, 3859501.99	1.27E-04	2.00E-08	7.84E-09	1.55E-04	2.45E-08	9.61E-09	1.36E-04	2.14E-08	8.42E-09
2037	495061.06, 3859501.99	1.26E-04	1.99E-08	7.81E-09	1.55E-04	2.43E-08	9.56E-09	1.35E-04	2.13E-08	8.38E-09
2038	495111.06, 3859501.99	1.25E-04	1.97E-08	7.74E-09	1.53E-04	2.41E-08	9.47E-09	1.34E-04	2.11E-08	8.30E-09
2039	495161.06, 3859501.99	1.24E-04	1.96E-08	7.70E-09	1.52E-04	2.40E-08	9.43E-09	1.34E-04	2.10E-08	8.27E-09
2040	495211.06, 3859501.99	1.24E-04	1.96E-08	7.68E-09	1.52E-04	2.40E-08	9.41E-09	1.33E-04	2.10E-08	8.25E-09
2041	495261.06, 3859501.99	1.24E-04	1.95E-08	7.65E-09	1.51E-04	2.38E-08	9.37E-09	1.33E-04	2.09E-08	8.21E-09
2042	495311.06, 3859501.99	1.23E-04	1.94E-08	7.62E-09	1.51E-04	2.38E-08	9.33E-09	1.32E-04	2.08E-08	8.18E-09
2043	495361.06, 3859501.99	1.22E-04	1.93E-08	7.58E-09	1.50E-04	2.36E-08	9.29E-09	1.31E-04	2.07E-08	8.14E-09
2044	495411.06, 3859501.99	1.22E-04	1.92E-08	7.54E-09	1.49E-04	2.35E-08	9.24E-09	1.31E-04	2.06E-08	8.10E-09
2045	495461.06, 3859501.99	1.21E-04	1.91E-08	7.50E-09	1.48E-04	2.34E-08	9.18E-09	1.30E-04	2.05E-08	8.05E-09
2046	495511.06, 3859501.99	1.20E-04	1.88E-08	7.40E-09	1.46E-04	2.31E-08	9.06E-09	1.28E-04	2.02E-08	7.94E-09
2047	495561.06, 3859501.99	1.19E-04	1.88E-08	7.37E-09	1.46E-04	2.30E-08	9.03E-09	1.28E-04	2.01E-08	7.91E-09
2048	495611.06, 3859501.99	1.18E-04	1.86E-08	7.32E-09	1.45E-04	2.28E-08	8.96E-09	1.27E-04	2.00E-08	7.85E-09
2049	495661.06, 3859501.99	1.17E-04	1.85E-08	7.26E-09	1.44E-04	2.26E-08	8.89E-09	1.26E-04	1.98E-08	7.79E-09
2050	494311.06, 3859551.99	1.41E-04	2.22E-08	8.71E-09	1.72E-04	2.72E-08	1.07E-08	1.51E-04	2.38E-08	9.35E-09
2051	494361.06, 3859551.99	1.39E-04	2.19E-08	8.62E-09	1.71E-04	2.69E-08	1.06E-08	1.50E-04	2.36E-08	9.26E-09
2052	494411.06, 3859551.99	1.37E-04	2.16E-08	8.50E-09	1.68E-04	2.65E-08	1.04E-08	1.47E-04	2.32E-08	9.12E-09
2053	494461.06, 3859551.99	1.37E-04	2.16E-08	8.49E-09	1.68E-04	2.65E-08	1.04E-08	1.47E-04	2.32E-08	9.12E-09
2054	494511.06, 3859551.99	1.36E-04	2.14E-08	8.42E-09	1.67E-04	2.63E-08	1.03E-08	1.46E-04	2.30E-08	9.04E-09
2055	494561.06, 3859551.99	1.35E-04	2.13E-08	8.36E-09	1.65E-04	2.61E-08	1.02E-08	1.45E-04	2.28E-08	8.97E-09
2056	494611.06, 3859551.99	1.34E-04	2.12E-08	8.32E-09	1.65E-04	2.59E-08	1.02E-08	1.44E-04	2.27E-08	8.93E-09
2057	494661.06, 3859551.99	1.34E-04	2.10E-08	8.27E-09	1.64E-04	2.58E-08	1.01E-08	1.43E-04	2.26E-08	8.88E-09
2058	494711.06, 3859551.99	1.31E-04	2.07E-08	8.12E-09	1.61E-04	2.53E-08	9.95E-09	1.41E-04	2.22E-08	8.72E-09
2059	494761.06, 3859551.99	1.31E-04	2.07E-08	8.14E-09	1.61E-04	2.54E-08	9.97E-09	1.41E-04	2.22E-08	8.74E-09
2060	494811.06, 3859551.99	1.30E-04	2.04E-08	8.03E-09	1.59E-04	2.50E-08	9.83E-09	1.39E-04	2.19E-08	8.62E-09
2061	494861.06, 3859551.99	1.29E-04	2.03E-08	7.97E-09	1.58E-04	2.49E-08	9.77E-09	1.38E-04	2.18E-08	8.56E-09
2062	494911.06, 3859551.99	1.28E-04	2.01E-08	7.91E-09	1.56E-04	2.47E-08	9.69E-09	1.37E-04	2.16E-08	8.49E-09
2063	494961.06, 3859551.99	1.27E-04	2.00E-08	7.87E-09	1.56E-04	2.45E-08	9.64E-09	1.36E-04	2.15E-08	8.45E-09
2064	495011.06, 3859551.99	1.27E-04	2.00E-08	7.84E-09	1.55E-04	2.44E-08	9.60E-09	1.36E-04	2.14E-08	8.42E-09
2065	495061.06, 3859551.99	1.26E-04	1.98E-08	7.79E-09	1.54E-04	2.43E-08	9.54E-09	1.35E-04	2.13E-08	8.36E-09
2066	495111.06, 3859551.99	1.25E-04	1.97E-08	7.73E-09	1.53E-04	2.41E-08	9.46E-09	1.34E-04	2.11E-08	8.29E-09
2067	495161.06, 3859551.99	1.24E-04	1.96E-08	7.70E-09	1.52E-04	2.40E-08	9.43E-09	1.34E-04	2.10E-08	8.26E-09
2068	495211.06, 3859551.99	1.24E-04	1.95E-08	7.68E-09	1.52E-04	2.39E-08	9.41E-09	1.33E-04	2.10E-08	8.24E-09
2069	495261.06, 3859551.99	1.23E-04	1.94E-08	7.63E-09	1.51E-04	2.38E-08	9.34E-09	1.32E-04	2.08E-08	8.19E-09
2070	495311.06, 3859551.99	1.23E-04	1.93E-08	7.59E-09	1.50E-04	2.37E-08	9.29E-09	1.32E-04	2.07E-08	8.14E-09
2071	495361.06, 3859551.99	1.22E-04	1.92E-08	7.55E-09	1.49E-04	2.36E-08	9.25E-09	1.31E-04	2.06E-08	8.11E-09
2072	495411.06, 3859551.99	1.22E-04	1.92E-08	7.53E-09	1.49E-04	2.35E-08	9.22E-09	1.31E-04	2.06E-08	8.08E-09
2073	495461.06, 3859551.99	1.21E-04	1.90E-08	7.46E-09	1.48E-04	2.33E-08	9.14E-09	1.29E-04	2.04E-08	8.01E-09
2074	495511.06, 3859551.99	1.19E-04	1.88E-08	7.39E-09	1.46E-04	2.30E-08	9.05E-09	1.28E-04	2.02E-08	7.93E-09
2075	495561.06, 3859551.99	1.19E-04	1.87E-08	7.35E-09	1.45E-04	2.29E-08	9.00E-09	1.27E-04	2.01E-08	7.89E-09
2076	495611.06, 3859551.99	1.18E-04	1.86E-08	7.30E-09	1.45E-04	2.28E-08	8.95E-09	1.27E-04	2.00E-08	7.84E-09

2077	495661.06, 3859551.99	1.17E-04	1.85E-08	7.25E-09	1.43E-04	2.26E-08	8.88E-09	1.26E-04	1.98E-08	7.78E-09
2078	494311.06, 3859601.99	1.39E-04	2.19E-08	8.61E-09	1.70E-04	2.68E-08	1.05E-08	1.49E-04	2.35E-08	9.24E-09
2079	494361.06, 3859601.99	1.37E-04	2.16E-08	8.49E-09	1.68E-04	2.65E-08	1.04E-08	1.47E-04	2.32E-08	9.12E-09
2080	494411.06, 3859601.99	1.36E-04	2.14E-08	8.41E-09	1.66E-04	2.62E-08	1.03E-08	1.46E-04	2.30E-08	9.03E-09
2081	494461.06, 3859601.99	1.36E-04	2.14E-08	8.40E-09	1.66E-04	2.62E-08	1.03E-08	1.46E-04	2.30E-08	9.02E-09
2082	494511.06, 3859601.99	1.34E-04	2.12E-08	8.31E-09	1.65E-04	2.59E-08	1.02E-08	1.44E-04	2.27E-08	8.92E-09
2083	494561.06, 3859601.99	1.34E-04	2.11E-08	8.29E-09	1.64E-04	2.59E-08	1.02E-08	1.44E-04	2.27E-08	8.90E-09
2084	494611.06, 3859601.99	1.33E-04	2.10E-08	8.26E-09	1.63E-04	2.57E-08	1.01E-08	1.43E-04	2.26E-08	8.86E-09
2085	494661.06, 3859601.99	1.32E-04	2.08E-08	8.16E-09	1.61E-04	2.54E-08	9.99E-09	1.42E-04	2.23E-08	8.76E-09
2086	494711.06, 3859601.99	1.30E-04	2.05E-08	8.06E-09	1.60E-04	2.51E-08	9.88E-09	1.40E-04	2.20E-08	8.66E-09
2087	494761.06, 3859601.99	1.31E-04	2.06E-08	8.09E-09	1.60E-04	2.52E-08	9.91E-09	1.40E-04	2.21E-08	8.69E-09
2088	494811.06, 3859601.99	1.29E-04	2.03E-08	7.99E-09	1.58E-04	2.49E-08	9.79E-09	1.39E-04	2.18E-08	8.58E-09
2089	494861.06, 3859601.99	1.28E-04	2.02E-08	7.94E-09	1.57E-04	2.48E-08	9.73E-09	1.38E-04	2.17E-08	8.53E-09
2090	494911.06, 3859601.99	1.27E-04	2.00E-08	7.86E-09	1.56E-04	2.45E-08	9.63E-09	1.36E-04	2.15E-08	8.44E-09
2091	494961.06, 3859601.99	1.27E-04	2.00E-08	7.86E-09	1.56E-04	2.45E-08	9.63E-09	1.36E-04	2.15E-08	8.44E-09
2092	495011.06, 3859601.99	1.26E-04	1.98E-08	7.78E-09	1.54E-04	2.42E-08	9.52E-09	1.35E-04	2.12E-08	8.35E-09
2093	495061.06, 3859601.99	1.25E-04	1.97E-08	7.76E-09	1.54E-04	2.42E-08	9.50E-09	1.35E-04	2.12E-08	8.33E-09
2094	495111.06, 3859601.99	1.24E-04	1.96E-08	7.69E-09	1.52E-04	2.40E-08	9.42E-09	1.33E-04	2.10E-08	8.26E-09
2095	495161.06, 3859601.99	1.24E-04	1.95E-08	7.67E-09	1.52E-04	2.39E-08	9.39E-09	1.33E-04	2.10E-08	8.23E-09
2096	495211.06, 3859601.99	1.23E-04	1.94E-08	7.63E-09	1.51E-04	2.38E-08	9.35E-09	1.32E-04	2.09E-08	8.19E-09
2097	495261.06, 3859601.99	1.23E-04	1.93E-08	7.60E-09	1.50E-04	2.37E-08	9.31E-09	1.32E-04	2.08E-08	8.16E-09
2098	495311.06, 3859601.99	1.22E-04	1.93E-08	7.57E-09	1.50E-04	2.36E-08	9.27E-09	1.31E-04	2.07E-08	8.13E-09
2099	495361.06, 3859601.99	1.22E-04	1.92E-08	7.53E-09	1.49E-04	2.35E-08	9.22E-09	1.31E-04	2.06E-08	8.08E-09
2100	495411.06, 3859601.99	1.21E-04	1.91E-08	7.50E-09	1.48E-04	2.34E-08	9.19E-09	1.30E-04	2.05E-08	8.05E-09
2101	495461.06, 3859601.99	1.20E-04	1.89E-08	7.43E-09	1.47E-04	2.32E-08	9.09E-09	1.29E-04	2.03E-08	7.97E-09
2102	495511.06, 3859601.99	1.19E-04	1.87E-08	7.36E-09	1.46E-04	2.29E-08	9.01E-09	1.28E-04	2.01E-08	7.90E-09
2103	495561.06, 3859601.99	1.19E-04	1.87E-08	7.34E-09	1.45E-04	2.29E-08	8.99E-09	1.27E-04	2.01E-08	7.88E-09
2104	495611.06, 3859601.99	1.17E-04	1.85E-08	7.26E-09	1.44E-04	2.26E-08	8.89E-09	1.26E-04	1.98E-08	7.79E-09
2105	495661.06, 3859601.99	1.17E-04	1.84E-08	7.23E-09	1.43E-04	2.25E-08	8.86E-09	1.25E-04	1.98E-08	7.76E-09
2106	494311.06, 3859651.99	1.37E-04	2.16E-08	8.48E-09	1.68E-04	2.64E-08	1.04E-08	1.47E-04	2.32E-08	9.10E-09
2107	494361.06, 3859651.99	1.35E-04	2.13E-08	8.38E-09	1.66E-04	2.61E-08	1.03E-08	1.45E-04	2.29E-08	8.99E-09
2108	494411.06, 3859651.99	1.35E-04	2.12E-08	8.33E-09	1.65E-04	2.60E-08	1.02E-08	1.44E-04	2.28E-08	8.94E-09
2109	494461.06, 3859651.99	1.34E-04	2.12E-08	8.31E-09	1.64E-04	2.59E-08	1.02E-08	1.44E-04	2.27E-08	8.92E-09
2110	494511.06, 3859651.99	1.33E-04	2.10E-08	8.25E-09	1.63E-04	2.57E-08	1.01E-08	1.43E-04	2.26E-08	8.86E-09
2111	494561.06, 3859651.99	1.33E-04	2.09E-08	8.21E-09	1.63E-04	2.56E-08	1.01E-08	1.42E-04	2.24E-08	8.82E-09
2112	494611.06, 3859651.99	1.32E-04	2.08E-08	8.17E-09	1.62E-04	2.55E-08	1.00E-08	1.42E-04	2.23E-08	8.77E-09
2113	494661.06, 3859651.99	1.30E-04	2.05E-08	8.07E-09	1.60E-04	2.52E-08	9.88E-09	1.40E-04	2.20E-08	8.66E-09
2114	494711.06, 3859651.99	1.30E-04	2.04E-08	8.03E-09	1.59E-04	2.50E-08	9.84E-09	1.39E-04	2.19E-08	8.62E-09
2115	494761.06, 3859651.99	1.29E-04	2.04E-08	8.00E-09	1.58E-04	2.49E-08	9.80E-09	1.39E-04	2.19E-08	8.59E-09
2116	494811.06, 3859651.99	1.28E-04	2.02E-08	7.93E-09	1.57E-04	2.47E-08	9.72E-09	1.38E-04	2.17E-08	8.52E-09
2117	494861.06, 3859651.99	1.28E-04	2.01E-08	7.89E-09	1.56E-04	2.46E-08	9.67E-09	1.37E-04	2.16E-08	8.47E-09
2118	494911.06, 3859651.99	1.27E-04	2.00E-08	7.84E-09	1.55E-04	2.45E-08	9.61E-09	1.36E-04	2.14E-08	8.42E-09
2119	494961.06, 3859651.99	1.26E-04	1.99E-08	7.80E-09	1.54E-04	2.43E-08	9.56E-09	1.35E-04	2.13E-08	8.37E-09
2120	495011.06, 3859651.99	1.25E-04	1.97E-08	7.75E-09	1.53E-04	2.42E-08	9.50E-09	1.34E-04	2.12E-08	8.32E-09
2121	495061.06, 3859651.99	1.25E-04	1.97E-08	7.72E-09	1.53E-04	2.41E-08	9.46E-09	1.34E-04	2.11E-08	8.29E-09
2122	495111.06, 3859651.99	1.24E-04	1.95E-08	7.67E-09	1.52E-04	2.39E-08	9.39E-09	1.33E-04	2.10E-08	8.23E-09
2123	495161.06, 3859651.99	1.23E-04	1.94E-08	7.63E-09	1.51E-04	2.38E-08	9.35E-09	1.32E-04	2.09E-08	8.19E-09
2124	495211.06, 3859651.99	1.23E-04	1.93E-08	7.60E-09	1.50E-04	2.37E-08	9.31E-09	1.32E-04	2.08E-08	8.16E-09
2125	495261.06, 3859651.99	1.22E-04	1.92E-08	7.56E-09	1.50E-04	2.36E-08	9.26E-09	1.31E-04	2.07E-08	8.11E-09
2126	495311.06, 3859651.99	1.22E-04	1.92E-08	7.52E-09	1.49E-04	2.35E-08	9.22E-09	1.30E-04	2.06E-08	8.08E-09
2127	495361.06, 3859651.99	1.21E-04	1.91E-08	7.49E-09	1.48E-04	2.34E-08	9.18E-09	1.30E-04	2.05E-08	8.04E-09
2128	495411.06, 3859651.99	1.20E-04	1.90E-08	7.45E-09	1.47E-04	2.32E-08	9.13E-09	1.29E-04	2.04E-08	8.00E-09
2129	495461.06, 3859651.99	1.19E-04	1.88E-08	7.38E-09	1.46E-04	2.30E-08	9.05E-09	1.28E-04	2.02E-08	7.93E-09
2130	495511.06, 3859651.99	1.18E-04	1.86E-08	7.33E-09	1.45E-04	2.28E-08	8.97E-09	1.27E-04	2.00E-08	7.86E-09
2131	495561.06, 3859651.99	1.18E-04	1.86E-08	7.29E-09	1.44E-04	2.27E-08	8.93E-09	1.27E-04	1.99E-08	7.83E-09
2132	495611.06, 3859651.99	1.17E-04	1.85E-08	7.25E-09	1.43E-04	2.26E-08	8.88E-09	1.26E-04	1.98E-08	7.78E-09
2133	495661.06, 3859651.99	1.16E-04	1.83E-08	7.20E-09	1.42E-04	2.24E-08	8.82E-09	1.25E-04	1.97E-08	7.73E-09
2134	494311.06, 3859701.99	1.34E-04	2.11E-08	8.31E-09	1.64E-04	2.59E-08	1.02E-08	1.44E-04	2.27E-08	8.92E-09
2135	494361.06, 3859701.99	1.33E-04	2.10E-08	8.25E-09	1.63E-04	2.57E-08	1.01E-08	1.43E-04	2.25E-08	8.86E-09
2136	494411.06, 3859701.99	1.33E-04	2.09E-08	8.22E-09	1.63E-04	2.56E-08	1.01E-08	1.43E-04	2.25E-08	8.82E-09
2137	494461.06, 3859701.99	1.33E-04	2.09E-08	8.21E-09	1.62E-04	2.56E-08	1.01E-08	1.42E-04	2.24E-08	8.81E-09
2138	494511.06, 3859701.99	1.32E-04	2.08E-08	8.16E-09	1.62E-04	2.54E-08	1.00E-08	1.42E-04	2.23E-08	8.76E-09
2139	494561.06, 3859701.99	1.31E-04	2.07E-08	8.13E-09	1.61E-04	2.53E-08	9.95E-09	1.41E-04	2.22E-08	8.72E-09
2140	494611.06, 3859701.99	1.31E-04	2.06E-08	8.09E-09	1.60E-04	2.52E-08	9.90E-09	1.40E-04	2.21E-08	8.68E-09
2141	494661.06, 3859701.99	1.29E-04	2.03E-08	7.99E-09	1.58E-04	2.49E-08	9.78E-09	1.39E-04	2.18E-08	8.57E-09

2142	494711.06, 3859701.99	1.29E-04	2.03E-08	7.96E-09	1.58E-04	2.48E-08	9.75E-09	1.38E-04	2.18E-08	8.55E-09
2143	494761.06, 3859701.99	1.28E-04	2.01E-08	7.91E-09	1.57E-04	2.47E-08	9.69E-09	1.37E-04	2.16E-08	8.49E-09
2144	494811.06, 3859701.99	1.27E-04	2.00E-08	7.85E-09	1.55E-04	2.45E-08	9.62E-09	1.36E-04	2.15E-08	8.43E-09
2145	494861.06, 3859701.99	1.27E-04	1.99E-08	7.83E-09	1.55E-04	2.44E-08	9.59E-09	1.36E-04	2.14E-08	8.41E-09
2146	494911.06, 3859701.99	1.26E-04	1.98E-08	7.78E-09	1.54E-04	2.43E-08	9.53E-09	1.35E-04	2.13E-08	8.36E-09
2147	494961.06, 3859701.99	1.25E-04	1.97E-08	7.74E-09	1.53E-04	2.41E-08	9.48E-09	1.34E-04	2.11E-08	8.30E-09
2148	495011.06, 3859701.99	1.24E-04	1.96E-08	7.70E-09	1.52E-04	2.40E-08	9.44E-09	1.34E-04	2.11E-08	8.27E-09
2149	495061.06, 3859701.99	1.24E-04	1.95E-08	7.66E-09	1.52E-04	2.39E-08	9.39E-09	1.33E-04	2.09E-08	8.23E-09
2150	495111.06, 3859701.99	1.23E-04	1.94E-08	7.62E-09	1.51E-04	2.38E-08	9.34E-09	1.32E-04	2.08E-08	8.18E-09
2151	495161.06, 3859701.99	1.22E-04	1.93E-08	7.58E-09	1.50E-04	2.36E-08	9.28E-09	1.31E-04	2.07E-08	8.13E-09
2152	495211.06, 3859701.99	1.22E-04	1.92E-08	7.53E-09	1.49E-04	2.35E-08	9.22E-09	1.31E-04	2.06E-08	8.08E-09
2153	495261.06, 3859701.99	1.21E-04	1.91E-08	7.51E-09	1.49E-04	2.34E-08	9.20E-09	1.30E-04	2.05E-08	8.06E-09
2154	495311.06, 3859701.99	1.21E-04	1.90E-08	7.47E-09	1.48E-04	2.33E-08	9.15E-09	1.30E-04	2.04E-08	8.02E-09
2155	495361.06, 3859701.99	1.20E-04	1.89E-08	7.43E-09	1.47E-04	2.32E-08	9.10E-09	1.29E-04	2.03E-08	7.97E-09
2156	495411.06, 3859701.99	1.19E-04	1.88E-08	7.37E-09	1.46E-04	2.30E-08	9.03E-09	1.28E-04	2.01E-08	7.92E-09
2157	495461.06, 3859701.99	1.18E-04	1.87E-08	7.33E-09	1.45E-04	2.29E-08	8.98E-09	1.27E-04	2.00E-08	7.87E-09
2158	495511.06, 3859701.99	1.17E-04	1.85E-08	7.26E-09	1.44E-04	2.26E-08	8.89E-09	1.26E-04	1.98E-08	7.79E-09
2159	495561.06, 3859701.99	1.17E-04	1.84E-08	7.25E-09	1.43E-04	2.26E-08	8.88E-09	1.26E-04	1.98E-08	7.78E-09
2160	495611.06, 3859701.99	1.16E-04	1.83E-08	7.21E-09	1.43E-04	2.25E-08	8.83E-09	1.25E-04	1.97E-08	7.74E-09
2161	495661.06, 3859701.99	1.16E-04	1.82E-08	7.16E-09	1.42E-04	2.23E-08	8.77E-09	1.24E-04	1.96E-08	7.69E-09
2162	494311.06, 3859751.99	1.33E-04	2.09E-08	8.21E-09	1.62E-04	2.56E-08	1.01E-08	1.42E-04	2.24E-08	8.81E-09
2163	494361.06, 3859751.99	1.32E-04	2.08E-08	8.16E-09	1.62E-04	2.54E-08	1.00E-08	1.42E-04	2.23E-08	8.76E-09
2164	494411.06, 3859751.99	1.31E-04	2.06E-08	8.11E-09	1.61E-04	2.53E-08	9.94E-09	1.41E-04	2.22E-08	8.71E-09
2165	494461.06, 3859751.99	1.31E-04	2.06E-08	8.10E-09	1.60E-04	2.52E-08	9.92E-09	1.40E-04	2.21E-08	8.69E-09
2166	494511.06, 3859751.99	1.30E-04	2.05E-08	8.07E-09	1.60E-04	2.52E-08	9.88E-09	1.40E-04	2.20E-08	8.66E-09
2167	494561.06, 3859751.99	1.30E-04	2.04E-08	8.02E-09	1.59E-04	2.50E-08	9.83E-09	1.39E-04	2.19E-08	8.61E-09
2168	494611.06, 3859751.99	1.29E-04	2.03E-08	7.98E-09	1.58E-04	2.49E-08	9.77E-09	1.38E-04	2.18E-08	8.56E-09
2169	494661.06, 3859751.99	1.28E-04	2.01E-08	7.90E-09	1.56E-04	2.46E-08	9.68E-09	1.37E-04	2.16E-08	8.49E-09
2170	494711.06, 3859751.99	1.27E-04	2.01E-08	7.88E-09	1.56E-04	2.46E-08	9.65E-09	1.37E-04	2.15E-08	8.46E-09
2171	494761.06, 3859751.99	1.27E-04	2.00E-08	7.85E-09	1.55E-04	2.45E-08	9.61E-09	1.36E-04	2.14E-08	8.42E-09
2172	494811.06, 3859751.99	1.26E-04	1.99E-08	7.80E-09	1.54E-04	2.43E-08	9.55E-09	1.35E-04	2.13E-08	8.37E-09
2173	494861.06, 3859751.99	1.25E-04	1.98E-08	7.76E-09	1.54E-04	2.42E-08	9.50E-09	1.35E-04	2.12E-08	8.33E-09
2174	494911.06, 3859751.99	1.25E-04	1.97E-08	7.72E-09	1.53E-04	2.41E-08	9.46E-09	1.34E-04	2.11E-08	8.29E-09
2175	494961.06, 3859751.99	1.24E-04	1.96E-08	7.68E-09	1.52E-04	2.40E-08	9.41E-09	1.33E-04	2.10E-08	8.25E-09
2176	495011.06, 3859751.99	1.23E-04	1.94E-08	7.64E-09	1.51E-04	2.38E-08	9.36E-09	1.33E-04	2.09E-08	8.20E-09
2177	495061.06, 3859751.99	1.23E-04	1.94E-08	7.61E-09	1.51E-04	2.37E-08	9.32E-09	1.32E-04	2.08E-08	8.17E-09
2178	495111.06, 3859751.99	1.22E-04	1.93E-08	7.57E-09	1.50E-04	2.36E-08	9.27E-09	1.31E-04	2.07E-08	8.12E-09
2179	495161.06, 3859751.99	1.22E-04	1.92E-08	7.52E-09	1.49E-04	2.35E-08	9.22E-09	1.31E-04	2.06E-08	8.08E-09
2180	495211.06, 3859751.99	1.21E-04	1.90E-08	7.48E-09	1.48E-04	2.33E-08	9.16E-09	1.30E-04	2.04E-08	8.03E-09
2181	495261.06, 3859751.99	1.20E-04	1.90E-08	7.45E-09	1.47E-04	2.32E-08	9.12E-09	1.29E-04	2.03E-08	7.99E-09
2182	495311.06, 3859751.99	1.20E-04	1.89E-08	7.41E-09	1.47E-04	2.31E-08	9.07E-09	1.28E-04	2.02E-08	7.95E-09
2183	495361.06, 3859751.99	1.19E-04	1.88E-08	7.37E-09	1.46E-04	2.30E-08	9.02E-09	1.28E-04	2.01E-08	7.91E-09
2184	495411.06, 3859751.99	1.18E-04	1.87E-08	7.33E-09	1.45E-04	2.29E-08	8.98E-09	1.27E-04	2.00E-08	7.87E-09
2185	495461.06, 3859751.99	1.18E-04	1.85E-08	7.28E-09	1.44E-04	2.27E-08	8.92E-09	1.26E-04	1.99E-08	7.81E-09
2186	495511.06, 3859751.99	1.17E-04	1.84E-08	7.23E-09	1.43E-04	2.25E-08	8.85E-09	1.25E-04	1.97E-08	7.76E-09
2187	495561.06, 3859751.99	1.16E-04	1.83E-08	7.19E-09	1.42E-04	2.24E-08	8.80E-09	1.25E-04	1.96E-08	7.72E-09
2188	495611.06, 3859751.99	1.16E-04	1.82E-08	7.15E-09	1.42E-04	2.23E-08	8.76E-09	1.24E-04	1.95E-08	7.68E-09
2189	495661.06, 3859751.99	1.15E-04	1.81E-08	7.12E-09	1.41E-04	2.22E-08	8.72E-09	1.24E-04	1.95E-08	7.64E-09
2190	494311.06, 3859801.99	1.31E-04	2.06E-08	8.10E-09	1.60E-04	2.52E-08	9.92E-09	1.40E-04	2.21E-08	8.69E-09
2191	494361.06, 3859801.99	1.30E-04	2.05E-08	8.05E-09	1.59E-04	2.51E-08	9.86E-09	1.40E-04	2.20E-08	8.64E-09
2192	494411.06, 3859801.99	1.29E-04	2.04E-08	8.00E-09	1.58E-04	2.49E-08	9.79E-09	1.39E-04	2.19E-08	8.58E-09
2193	494461.06, 3859801.99	1.29E-04	2.03E-08	7.98E-09	1.58E-04	2.49E-08	9.77E-09	1.38E-04	2.18E-08	8.56E-09
2194	494511.06, 3859801.99	1.29E-04	2.02E-08	7.95E-09	1.57E-04	2.48E-08	9.74E-09	1.38E-04	2.17E-08	8.54E-09
2195	494561.06, 3859801.99	1.28E-04	2.02E-08	7.92E-09	1.57E-04	2.47E-08	9.70E-09	1.37E-04	2.16E-08	8.50E-09
2196	494611.06, 3859801.99	1.27E-04	2.00E-08	7.86E-09	1.56E-04	2.45E-08	9.63E-09	1.36E-04	2.15E-08	8.44E-09
2197	494661.06, 3859801.99	1.26E-04	1.99E-08	7.82E-09	1.55E-04	2.44E-08	9.58E-09	1.36E-04	2.14E-08	8.39E-09
2198	494711.06, 3859801.99	1.26E-04	1.98E-08	7.77E-09	1.54E-04	2.42E-08	9.52E-09	1.35E-04	2.12E-08	8.34E-09
2199	494761.06, 3859801.99	1.25E-04	1.97E-08	7.75E-09	1.53E-04	2.42E-08	9.50E-09	1.34E-04	2.12E-08	8.32E-09
2200	494811.06, 3859801.99	1.25E-04	1.96E-08	7.71E-09	1.53E-04	2.40E-08	9.44E-09	1.34E-04	2.11E-08	8.28E-09
2201	494861.06, 3859801.99	1.24E-04	1.95E-08	7.68E-09	1.52E-04	2.39E-08	9.40E-09	1.33E-04	2.10E-08	8.24E-09
2202	494911.06, 3859801.99	1.23E-04	1.94E-08	7.63E-09	1.51E-04	2.38E-08	9.35E-09	1.32E-04	2.09E-08	8.19E-09
2203	494961.06, 3859801.99	1.23E-04	1.93E-08	7.60E-09	1.50E-04	2.37E-08	9.30E-09	1.32E-04	2.08E-08	8.15E-09
2204	495011.06, 3859801.99	1.22E-04	1.92E-08	7.56E-09	1.50E-04	2.36E-08	9.26E-09	1.31E-04	2.07E-08	8.11E-09
2205	495061.06, 3859801.99	1.22E-04	1.92E-08	7.53E-09	1.49E-04	2.35E-08	9.22E-09	1.31E-04	2.06E-08	8.08E-09
2206	495111.06, 3859801.99	1.21E-04	1.90E-08	7.48E-09	1.48E-04	2.33E-08	9.16E-09	1.30E-04	2.04E-08	8.03E-09

2207	495161.06, 3859801.99	1.20E-04	1.89E-08	7.44E-09	1.47E-04	2.32E-08	9.12E-09	1.29E-04	2.03E-08	7.99E-09
2208	495211.06, 3859801.99	1.20E-04	1.89E-08	7.41E-09	1.47E-04	2.31E-08	9.07E-09	1.29E-04	2.02E-08	7.95E-09
2209	495261.06, 3859801.99	1.19E-04	1.88E-08	7.37E-09	1.46E-04	2.30E-08	9.02E-09	1.28E-04	2.01E-08	7.91E-09
2210	495311.06, 3859801.99	1.19E-04	1.87E-08	7.34E-09	1.45E-04	2.29E-08	8.98E-09	1.27E-04	2.00E-08	7.87E-09
2211	495361.06, 3859801.99	1.18E-04	1.86E-08	7.30E-09	1.44E-04	2.27E-08	8.94E-09	1.27E-04	1.99E-08	7.83E-09
2212	495411.06, 3859801.99	1.17E-04	1.85E-08	7.25E-09	1.44E-04	2.26E-08	8.88E-09	1.26E-04	1.98E-08	7.79E-09
2213	495461.06, 3859801.99	1.17E-04	1.84E-08	7.22E-09	1.43E-04	2.25E-08	8.84E-09	1.25E-04	1.97E-08	7.75E-09
2214	495511.06, 3859801.99	1.16E-04	1.82E-08	7.17E-09	1.42E-04	2.23E-08	8.78E-09	1.24E-04	1.96E-08	7.69E-09
2215	495561.06, 3859801.99	1.15E-04	1.82E-08	7.13E-09	1.41E-04	2.22E-08	8.74E-09	1.24E-04	1.95E-08	7.66E-09
2216	495611.06, 3859801.99	1.15E-04	1.81E-08	7.11E-09	1.41E-04	2.22E-08	8.71E-09	1.23E-04	1.94E-08	7.63E-09
2217	495661.06, 3859801.99	1.14E-04	1.80E-08	7.06E-09	1.40E-04	2.20E-08	8.65E-09	1.23E-04	1.93E-08	7.58E-09
2218	494311.06, 3859851.99	1.29E-04	2.03E-08	7.97E-09	1.58E-04	2.49E-08	9.77E-09	1.38E-04	2.18E-08	8.56E-09
2219	494361.06, 3859851.99	1.28E-04	2.02E-08	7.93E-09	1.57E-04	2.47E-08	9.72E-09	1.38E-04	2.17E-08	8.52E-09
2220	494411.06, 3859851.99	1.27E-04	2.01E-08	7.89E-09	1.56E-04	2.46E-08	9.66E-09	1.37E-04	2.16E-08	8.47E-09
2221	494461.06, 3859851.99	1.27E-04	2.00E-08	7.85E-09	1.55E-04	2.45E-08	9.62E-09	1.36E-04	2.15E-08	8.43E-09
2222	494511.06, 3859851.99	1.26E-04	1.99E-08	7.82E-09	1.55E-04	2.44E-08	9.58E-09	1.36E-04	2.14E-08	8.40E-09
2223	494561.06, 3859851.99	1.26E-04	1.99E-08	7.80E-09	1.54E-04	2.43E-08	9.55E-09	1.35E-04	2.13E-08	8.37E-09
2224	494611.06, 3859851.99	1.25E-04	1.97E-08	7.75E-09	1.53E-04	2.42E-08	9.49E-09	1.34E-04	2.12E-08	8.32E-09
2225	494661.06, 3859851.99	1.25E-04	1.96E-08	7.72E-09	1.53E-04	2.41E-08	9.45E-09	1.34E-04	2.11E-08	8.28E-09
2226	494711.06, 3859851.99	1.24E-04	1.95E-08	7.67E-09	1.52E-04	2.39E-08	9.40E-09	1.33E-04	2.10E-08	8.23E-09
2227	494761.06, 3859851.99	1.24E-04	1.95E-08	7.65E-09	1.51E-04	2.38E-08	9.37E-09	1.33E-04	2.09E-08	8.21E-09
2228	494811.06, 3859851.99	1.23E-04	1.94E-08	7.61E-09	1.51E-04	2.37E-08	9.32E-09	1.32E-04	2.08E-08	8.17E-09
2229	494861.06, 3859851.99	1.22E-04	1.93E-08	7.58E-09	1.50E-04	2.36E-08	9.28E-09	1.31E-04	2.07E-08	8.14E-09
2230	494911.06, 3859851.99	1.22E-04	1.92E-08	7.54E-09	1.49E-04	2.35E-08	9.24E-09	1.31E-04	2.06E-08	8.10E-09
2231	494961.06, 3859851.99	1.21E-04	1.91E-08	7.51E-09	1.49E-04	2.34E-08	9.19E-09	1.30E-04	2.05E-08	8.06E-09
2232	495011.06, 3859851.99	1.21E-04	1.90E-08	7.47E-09	1.48E-04	2.33E-08	9.15E-09	1.30E-04	2.04E-08	8.02E-09
2233	495061.06, 3859851.99	1.20E-04	1.89E-08	7.44E-09	1.47E-04	2.32E-08	9.11E-09	1.29E-04	2.03E-08	7.98E-09
2234	495111.06, 3859851.99	1.20E-04	1.88E-08	7.40E-09	1.46E-04	2.31E-08	9.06E-09	1.28E-04	2.02E-08	7.94E-09
2235	495161.06, 3859851.99	1.19E-04	1.87E-08	7.36E-09	1.46E-04	2.30E-08	9.02E-09	1.28E-04	2.01E-08	7.90E-09
2236	495211.06, 3859851.99	1.18E-04	1.87E-08	7.33E-09	1.45E-04	2.28E-08	8.97E-09	1.27E-04	2.00E-08	7.87E-09
2237	495261.06, 3859851.99	1.18E-04	1.86E-08	7.29E-09	1.44E-04	2.27E-08	8.93E-09	1.26E-04	1.99E-08	7.83E-09
2238	495311.06, 3859851.99	1.17E-04	1.85E-08	7.26E-09	1.44E-04	2.26E-08	8.89E-09	1.26E-04	1.98E-08	7.79E-09
2239	495361.06, 3859851.99	1.17E-04	1.84E-08	7.22E-09	1.43E-04	2.25E-08	8.85E-09	1.25E-04	1.97E-08	7.76E-09
2240	495411.06, 3859851.99	1.16E-04	1.83E-08	7.18E-09	1.42E-04	2.24E-08	8.80E-09	1.25E-04	1.96E-08	7.71E-09
2241	495461.06, 3859851.99	1.15E-04	1.82E-08	7.14E-09	1.41E-04	2.23E-08	8.75E-09	1.24E-04	1.95E-08	7.67E-09
2242	495511.06, 3859851.99	1.15E-04	1.81E-08	7.10E-09	1.41E-04	2.21E-08	8.70E-09	1.23E-04	1.94E-08	7.62E-09
2243	495561.06, 3859851.99	1.14E-04	1.80E-08	7.07E-09	1.40E-04	2.21E-08	8.66E-09	1.23E-04	1.93E-08	7.59E-09
2244	495611.06, 3859851.99	1.14E-04	1.79E-08	7.04E-09	1.39E-04	2.20E-08	8.63E-09	1.22E-04	1.92E-08	7.56E-09
2245	495661.06, 3859851.99	1.13E-04	1.78E-08	7.00E-09	1.39E-04	2.18E-08	8.58E-09	1.21E-04	1.91E-08	7.52E-09
2246	494311.06, 3859901.99	1.27E-04	2.00E-08	7.85E-09	1.55E-04	2.45E-08	9.61E-09	1.36E-04	2.14E-08	8.42E-09
2247	494361.06, 3859901.99	1.26E-04	1.99E-08	7.80E-09	1.54E-04	2.43E-08	9.55E-09	1.35E-04	2.13E-08	8.37E-09
2248	494411.06, 3859901.99	1.26E-04	1.98E-08	7.77E-09	1.54E-04	2.42E-08	9.52E-09	1.35E-04	2.12E-08	8.34E-09
2249	494461.06, 3859901.99	1.25E-04	1.97E-08	7.74E-09	1.53E-04	2.41E-08	9.47E-09	1.34E-04	2.11E-08	8.30E-09
2250	494511.06, 3859901.99	1.24E-04	1.96E-08	7.70E-09	1.52E-04	2.40E-08	9.44E-09	1.34E-04	2.10E-08	8.27E-09
2251	494561.06, 3859901.99	1.24E-04	1.96E-08	7.68E-09	1.52E-04	2.39E-08	9.41E-09	1.33E-04	2.10E-08	8.25E-09
2252	494611.06, 3859901.99	1.23E-04	1.94E-08	7.63E-09	1.51E-04	2.38E-08	9.35E-09	1.32E-04	2.09E-08	8.19E-09
2253	494661.06, 3859901.99	1.23E-04	1.94E-08	7.61E-09	1.51E-04	2.37E-08	9.32E-09	1.32E-04	2.08E-08	8.17E-09
2254	494711.06, 3859901.99	1.22E-04	1.92E-08	7.56E-09	1.50E-04	2.36E-08	9.26E-09	1.31E-04	2.07E-08	8.12E-09
2255	494761.06, 3859901.99	1.22E-04	1.92E-08	7.53E-09	1.49E-04	2.35E-08	9.23E-09	1.31E-04	2.06E-08	8.09E-09
2256	494811.06, 3859901.99	1.21E-04	1.91E-08	7.51E-09	1.49E-04	2.34E-08	9.20E-09	1.30E-04	2.05E-08	8.06E-09
2257	494861.06, 3859901.99	1.21E-04	1.90E-08	7.48E-09	1.48E-04	2.33E-08	9.16E-09	1.30E-04	2.04E-08	8.03E-09
2258	494911.06, 3859901.99	1.20E-04	1.89E-08	7.44E-09	1.47E-04	2.32E-08	9.11E-09	1.29E-04	2.03E-08	7.99E-09
2259	494961.06, 3859901.99	1.20E-04	1.89E-08	7.41E-09	1.47E-04	2.31E-08	9.07E-09	1.29E-04	2.02E-08	7.95E-09
2260	495011.06, 3859901.99	1.19E-04	1.88E-08	7.37E-09	1.46E-04	2.30E-08	9.03E-09	1.28E-04	2.01E-08	7.91E-09
2261	495061.06, 3859901.99	1.19E-04	1.87E-08	7.34E-09	1.45E-04	2.29E-08	8.99E-09	1.27E-04	2.01E-08	7.88E-09
2262	495111.06, 3859901.99	1.18E-04	1.86E-08	7.30E-09	1.45E-04	2.28E-08	8.94E-09	1.27E-04	2.00E-08	7.84E-09
2263	495161.06, 3859901.99	1.17E-04	1.85E-08	7.26E-09	1.44E-04	2.26E-08	8.90E-09	1.26E-04	1.99E-08	7.80E-09
2264	495211.06, 3859901.99	1.17E-04	1.84E-08	7.24E-09	1.43E-04	2.26E-08	8.86E-09	1.25E-04	1.98E-08	7.77E-09
2265	495261.06, 3859901.99	1.16E-04	1.83E-08	7.20E-09	1.42E-04	2.24E-08	8.81E-09	1.25E-04	1.97E-08	7.72E-09
2266	495311.06, 3859901.99	1.16E-04	1.82E-08	7.17E-09	1.42E-04	2.23E-08	8.78E-09	1.24E-04	1.96E-08	7.69E-09
2267	495361.06, 3859901.99	1.15E-04	1.82E-08	7.13E-09	1.41E-04	2.22E-08	8.74E-09	1.24E-04	1.95E-08	7.66E-09
2268	495411.06, 3859901.99	1.15E-04	1.81E-08	7.10E-09	1.40E-04	2.21E-08	8.69E-09	1.23E-04	1.94E-08	7.62E-09
2269	495461.06, 3859901.99	1.14E-04	1.80E-08	7.06E-09	1.40E-04	2.20E-08	8.65E-09	1.22E-04	1.93E-08	7.58E-09
2270	495511.06, 3859901.99	1.14E-04	1.79E-08	7.03E-09	1.39E-04	2.19E-08	8.61E-09	1.22E-04	1.92E-08	7.55E-09
2271	495561.06, 3859901.99	1.13E-04	1.78E-08	7.00E-09	1.39E-04	2.18E-08	8.58E-09	1.21E-04	1.91E-08	7.52E-09

2272	495611.06, 3859901.99	1.13E-04	1.77E-08	6.97E-09	1.38E-04	2.17E-08	8.53E-09	1.21E-04	1.90E-08	7.48E-09
2273	495661.06, 3859901.99	1.12E-04	1.76E-08	6.93E-09	1.37E-04	2.16E-08	8.48E-09	1.20E-04	1.89E-08	7.44E-09
2274	494311.06, 3859951.99	1.25E-04	1.97E-08	7.72E-09	1.53E-04	2.41E-08	9.46E-09	1.34E-04	2.11E-08	8.29E-09
2275	494361.06, 3859951.99	1.24E-04	1.96E-08	7.69E-09	1.52E-04	2.40E-08	9.41E-09	1.33E-04	2.10E-08	8.25E-09
2276	494411.06, 3859951.99	1.24E-04	1.95E-08	7.65E-09	1.51E-04	2.38E-08	9.37E-09	1.33E-04	2.09E-08	8.21E-09
2277	494461.06, 3859951.99	1.23E-04	1.94E-08	7.61E-09	1.51E-04	2.37E-08	9.33E-09	1.32E-04	2.08E-08	8.17E-09
2278	494511.06, 3859951.99	1.23E-04	1.93E-08	7.58E-09	1.50E-04	2.36E-08	9.29E-09	1.32E-04	2.07E-08	8.14E-09
2279	494561.06, 3859951.99	1.22E-04	1.93E-08	7.57E-09	1.50E-04	2.36E-08	9.27E-09	1.31E-04	2.07E-08	8.12E-09
2280	494611.06, 3859951.99	1.22E-04	1.91E-08	7.52E-09	1.49E-04	2.35E-08	9.21E-09	1.30E-04	2.06E-08	8.08E-09
2281	494661.06, 3859951.99	1.21E-04	1.91E-08	7.50E-09	1.48E-04	2.34E-08	9.18E-09	1.30E-04	2.05E-08	8.05E-09
2282	494711.06, 3859951.99	1.20E-04	1.90E-08	7.46E-09	1.48E-04	2.32E-08	9.13E-09	1.29E-04	2.04E-08	8.00E-09
2283	494761.06, 3859951.99	1.20E-04	1.89E-08	7.43E-09	1.47E-04	2.32E-08	9.10E-09	1.29E-04	2.03E-08	7.97E-09
2284	494811.06, 3859951.99	1.20E-04	1.88E-08	7.40E-09	1.46E-04	2.31E-08	9.06E-09	1.28E-04	2.02E-08	7.94E-09
2285	494861.06, 3859951.99	1.19E-04	1.88E-08	7.37E-09	1.46E-04	2.30E-08	9.02E-09	1.28E-04	2.01E-08	7.91E-09
2286	494911.06, 3859951.99	1.19E-04	1.87E-08	7.33E-09	1.45E-04	2.29E-08	8.98E-09	1.27E-04	2.00E-08	7.87E-09
2287	494961.06, 3859951.99	1.18E-04	1.86E-08	7.30E-09	1.44E-04	2.28E-08	8.94E-09	1.27E-04	1.99E-08	7.83E-09
2288	495011.06, 3859951.99	1.17E-04	1.85E-08	7.27E-09	1.44E-04	2.27E-08	8.90E-09	1.26E-04	1.99E-08	7.80E-09
2289	495061.06, 3859951.99	1.17E-04	1.84E-08	7.24E-09	1.43E-04	2.26E-08	8.86E-09	1.25E-04	1.98E-08	7.77E-09
2290	495111.06, 3859951.99	1.16E-04	1.83E-08	7.20E-09	1.43E-04	2.24E-08	8.82E-09	1.25E-04	1.97E-08	7.73E-09
2291	495161.06, 3859951.99	1.16E-04	1.82E-08	7.17E-09	1.42E-04	2.23E-08	8.78E-09	1.24E-04	1.96E-08	7.69E-09
2292	495211.06, 3859951.99	1.15E-04	1.82E-08	7.13E-09	1.41E-04	2.22E-08	8.73E-09	1.24E-04	1.95E-08	7.66E-09
2293	495261.06, 3859951.99	1.15E-04	1.81E-08	7.10E-09	1.41E-04	2.21E-08	8.70E-09	1.23E-04	1.94E-08	7.62E-09
2294	495311.06, 3859951.99	1.14E-04	1.80E-08	7.07E-09	1.40E-04	2.21E-08	8.66E-09	1.23E-04	1.93E-08	7.59E-09
2295	495361.06, 3859951.99	1.14E-04	1.79E-08	7.04E-09	1.39E-04	2.20E-08	8.63E-09	1.22E-04	1.92E-08	7.56E-09
2296	495411.06, 3859951.99	1.13E-04	1.78E-08	7.01E-09	1.39E-04	2.19E-08	8.58E-09	1.22E-04	1.92E-08	7.52E-09
2297	495461.06, 3859951.99	1.13E-04	1.78E-08	6.98E-09	1.38E-04	2.17E-08	8.54E-09	1.21E-04	1.91E-08	7.49E-09
2298	495511.06, 3859951.99	1.12E-04	1.77E-08	6.94E-09	1.37E-04	2.16E-08	8.50E-09	1.20E-04	1.90E-08	7.45E-09
2299	495561.06, 3859951.99	1.12E-04	1.76E-08	6.92E-09	1.37E-04	2.16E-08	8.48E-09	1.20E-04	1.89E-08	7.43E-09
2300	495611.06, 3859951.99	1.11E-04	1.75E-08	6.89E-09	1.36E-04	2.15E-08	8.43E-09	1.19E-04	1.88E-08	7.39E-09
2301	495661.06, 3859951.99	1.11E-04	1.74E-08	6.85E-09	1.36E-04	2.14E-08	8.39E-09	1.19E-04	1.87E-08	7.35E-09
2302	494311.06, 3860001.99	1.23E-04	1.93E-08	7.60E-09	1.50E-04	2.37E-08	9.30E-09	1.32E-04	2.08E-08	8.15E-09
2303	494361.06, 3860001.99	1.22E-04	1.92E-08	7.56E-09	1.50E-04	2.36E-08	9.26E-09	1.31E-04	2.07E-08	8.12E-09
2304	494411.06, 3860001.99	1.22E-04	1.92E-08	7.53E-09	1.49E-04	2.35E-08	9.22E-09	1.31E-04	2.06E-08	8.08E-09
2305	494461.06, 3860001.99	1.21E-04	1.91E-08	7.50E-09	1.48E-04	2.34E-08	9.18E-09	1.30E-04	2.05E-08	8.05E-09
2306	494511.06, 3860001.99	1.21E-04	1.90E-08	7.46E-09	1.48E-04	2.33E-08	9.14E-09	1.29E-04	2.04E-08	8.01E-09
2307	494561.06, 3860001.99	1.20E-04	1.90E-08	7.45E-09	1.47E-04	2.32E-08	9.12E-09	1.29E-04	2.03E-08	7.99E-09
2308	494611.06, 3860001.99	1.20E-04	1.89E-08	7.41E-09	1.47E-04	2.31E-08	9.08E-09	1.29E-04	2.03E-08	7.96E-09
2309	494661.06, 3860001.99	1.19E-04	1.88E-08	7.38E-09	1.46E-04	2.30E-08	9.04E-09	1.28E-04	2.02E-08	7.92E-09
2310	494711.06, 3860001.99	1.19E-04	1.87E-08	7.34E-09	1.45E-04	2.29E-08	8.99E-09	1.27E-04	2.01E-08	7.88E-09
2311	494761.06, 3860001.99	1.18E-04	1.86E-08	7.32E-09	1.45E-04	2.28E-08	8.96E-09	1.27E-04	2.00E-08	7.85E-09
2312	494811.06, 3860001.99	1.18E-04	1.85E-08	7.29E-09	1.44E-04	2.27E-08	8.93E-09	1.26E-04	1.99E-08	7.82E-09
2313	494861.06, 3860001.99	1.17E-04	1.85E-08	7.26E-09	1.44E-04	2.26E-08	8.89E-09	1.26E-04	1.98E-08	7.79E-09
2314	494911.06, 3860001.99	1.17E-04	1.84E-08	7.22E-09	1.43E-04	2.25E-08	8.84E-09	1.25E-04	1.97E-08	7.75E-09
2315	494961.06, 3860001.99	1.16E-04	1.83E-08	7.19E-09	1.42E-04	2.24E-08	8.80E-09	1.25E-04	1.96E-08	7.72E-09
2316	495011.06, 3860001.99	1.16E-04	1.82E-08	7.16E-09	1.42E-04	2.23E-08	8.77E-09	1.24E-04	1.96E-08	7.68E-09
2317	495061.06, 3860001.99	1.15E-04	1.81E-08	7.13E-09	1.41E-04	2.22E-08	8.73E-09	1.24E-04	1.95E-08	7.65E-09
2318	495111.06, 3860001.99	1.15E-04	1.81E-08	7.10E-09	1.40E-04	2.21E-08	8.69E-09	1.23E-04	1.94E-08	7.62E-09
2319	495161.06, 3860001.99	1.14E-04	1.80E-08	7.06E-09	1.40E-04	2.20E-08	8.65E-09	1.23E-04	1.93E-08	7.58E-09
2320	495211.06, 3860001.99	1.14E-04	1.79E-08	7.04E-09	1.39E-04	2.19E-08	8.62E-09	1.22E-04	1.92E-08	7.55E-09
2321	495261.06, 3860001.99	1.13E-04	1.78E-08	7.01E-09	1.39E-04	2.18E-08	8.58E-09	1.22E-04	1.91E-08	7.52E-09
2322	495311.06, 3860001.99	1.13E-04	1.78E-08	6.98E-09	1.38E-04	2.18E-08	8.55E-09	1.21E-04	1.91E-08	7.49E-09
2323	495361.06, 3860001.99	1.12E-04	1.77E-08	6.94E-09	1.37E-04	2.16E-08	8.50E-09	1.20E-04	1.90E-08	7.45E-09
2324	495411.06, 3860001.99	1.12E-04	1.76E-08	6.92E-09	1.37E-04	2.16E-08	8.47E-09	1.20E-04	1.89E-08	7.42E-09
2325	495461.06, 3860001.99	1.11E-04	1.75E-08	6.89E-09	1.36E-04	2.15E-08	8.43E-09	1.19E-04	1.88E-08	7.39E-09
2326	495511.06, 3860001.99	1.11E-04	1.75E-08	6.86E-09	1.36E-04	2.14E-08	8.40E-09	1.19E-04	1.87E-08	7.36E-09
2327	495561.06, 3860001.99	1.10E-04	1.74E-08	6.83E-09	1.35E-04	2.13E-08	8.37E-09	1.18E-04	1.87E-08	7.33E-09
2328	495611.06, 3860001.99	1.10E-04	1.73E-08	6.80E-09	1.35E-04	2.12E-08	8.33E-09	1.18E-04	1.86E-08	7.30E-09
2329	495661.06, 3860001.99	1.09E-04	1.72E-08	6.77E-09	1.34E-04	2.11E-08	8.29E-09	1.17E-04	1.85E-08	7.26E-09
2330	494411.06, 3860051.99	1.20E-04	1.89E-08	7.41E-09	1.47E-04	2.31E-08	9.07E-09	1.28E-04	2.02E-08	7.95E-09
2331	494461.06, 3860051.99	1.19E-04	1.88E-08	7.38E-09	1.46E-04	2.30E-08	9.03E-09	1.28E-04	2.02E-08	7.92E-09
2332	494511.06, 3860051.99	1.19E-04	1.87E-08	7.34E-09	1.45E-04	2.29E-08	9.00E-09	1.27E-04	2.01E-08	7.88E-09
2333	494561.06, 3860051.99	1.18E-04	1.86E-08	7.32E-09	1.45E-04	2.28E-08	8.97E-09	1.27E-04	2.00E-08	7.86E-09
2334	494611.06, 3860051.99	1.18E-04	1.86E-08	7.29E-09	1.44E-04	2.27E-08	8.93E-09	1.26E-04	1.99E-08	7.83E-09
2335	494661.06, 3860051.99	1.17E-04	1.85E-08	7.26E-09	1.44E-04	2.26E-08	8.90E-09	1.26E-04	1.98E-08	7.80E-09
2336	494711.06, 3860051.99	1.17E-04	1.84E-08	7.23E-09	1.43E-04	2.25E-08	8.86E-09	1.25E-04	1.98E-08	7.76E-09

2337	494761.06, 3860051.99	1.16E-04	1.83E-08	7.20E-09	1.43E-04	2.25E-08	8.82E-09	1.25E-04	1.97E-08	7.73E-09
2338	494811.06, 3860051.99	1.16E-04	1.83E-08	7.18E-09	1.42E-04	2.24E-08	8.79E-09	1.24E-04	1.96E-08	7.70E-09
2339	494861.06, 3860051.99	1.16E-04	1.82E-08	7.15E-09	1.41E-04	2.23E-08	8.76E-09	1.24E-04	1.95E-08	7.67E-09
2340	494911.06, 3860051.99	1.15E-04	1.81E-08	7.12E-09	1.41E-04	2.22E-08	8.72E-09	1.23E-04	1.94E-08	7.64E-09
2341	494961.06, 3860051.99	1.14E-04	1.80E-08	7.09E-09	1.40E-04	2.21E-08	8.68E-09	1.23E-04	1.94E-08	7.61E-09
2342	495011.06, 3860051.99	1.14E-04	1.80E-08	7.05E-09	1.40E-04	2.20E-08	8.64E-09	1.22E-04	1.93E-08	7.57E-09
2343	495061.06, 3860051.99	1.13E-04	1.79E-08	7.02E-09	1.39E-04	2.19E-08	8.60E-09	1.22E-04	1.92E-08	7.54E-09
2344	495111.06, 3860051.99	1.13E-04	1.78E-08	6.99E-09	1.38E-04	2.18E-08	8.56E-09	1.21E-04	1.91E-08	7.51E-09
2345	495161.06, 3860051.99	1.13E-04	1.77E-08	6.96E-09	1.38E-04	2.17E-08	8.53E-09	1.21E-04	1.90E-08	7.47E-09
2346	495211.06, 3860051.99	1.12E-04	1.76E-08	6.93E-09	1.37E-04	2.16E-08	8.49E-09	1.20E-04	1.89E-08	7.44E-09
2347	495261.06, 3860051.99	1.12E-04	1.76E-08	6.90E-09	1.37E-04	2.15E-08	8.45E-09	1.20E-04	1.89E-08	7.41E-09
2348	495311.06, 3860051.99	1.11E-04	1.75E-08	6.88E-09	1.36E-04	2.14E-08	8.42E-09	1.19E-04	1.88E-08	7.38E-09
2349	495361.06, 3860051.99	1.11E-04	1.74E-08	6.85E-09	1.36E-04	2.14E-08	8.39E-09	1.19E-04	1.87E-08	7.35E-09
2350	495411.06, 3860051.99	1.10E-04	1.74E-08	6.82E-09	1.35E-04	2.13E-08	8.35E-09	1.18E-04	1.86E-08	7.32E-09
2351	495461.06, 3860051.99	1.10E-04	1.73E-08	6.79E-09	1.34E-04	2.12E-08	8.32E-09	1.18E-04	1.86E-08	7.29E-09
2352	495511.06, 3860051.99	1.09E-04	1.72E-08	6.76E-09	1.34E-04	2.11E-08	8.29E-09	1.17E-04	1.85E-08	7.26E-09
2353	495561.06, 3860051.99	1.09E-04	1.71E-08	6.74E-09	1.33E-04	2.10E-08	8.25E-09	1.17E-04	1.84E-08	7.23E-09
2354	495611.06, 3860051.99	1.08E-04	1.71E-08	6.71E-09	1.33E-04	2.09E-08	8.22E-09	1.16E-04	1.83E-08	7.20E-09
2355	495661.06, 3860051.99	1.08E-04	1.70E-08	6.68E-09	1.32E-04	2.08E-08	8.18E-09	1.16E-04	1.82E-08	7.17E-09
2356	494411.06, 3860101.99	1.18E-04	1.85E-08	7.28E-09	1.44E-04	2.27E-08	8.91E-09	1.26E-04	1.99E-08	7.81E-09
2357	494461.06, 3860101.99	1.17E-04	1.85E-08	7.25E-09	1.44E-04	2.26E-08	8.88E-09	1.26E-04	1.98E-08	7.79E-09
2358	494511.06, 3860101.99	1.17E-04	1.84E-08	7.22E-09	1.43E-04	2.25E-08	8.85E-09	1.25E-04	1.97E-08	7.75E-09
2359	494561.06, 3860101.99	1.16E-04	1.83E-08	7.20E-09	1.42E-04	2.24E-08	8.81E-09	1.25E-04	1.97E-08	7.72E-09
2360	494611.06, 3860101.99	1.16E-04	1.83E-08	7.17E-09	1.42E-04	2.24E-08	8.78E-09	1.24E-04	1.96E-08	7.70E-09
2361	494661.06, 3860101.99	1.15E-04	1.82E-08	7.14E-09	1.41E-04	2.23E-08	8.75E-09	1.24E-04	1.95E-08	7.67E-09
2362	494711.06, 3860101.99	1.15E-04	1.81E-08	7.11E-09	1.41E-04	2.22E-08	8.71E-09	1.23E-04	1.94E-08	7.64E-09
2363	494761.06, 3860101.99	1.14E-04	1.80E-08	7.09E-09	1.40E-04	2.21E-08	8.68E-09	1.23E-04	1.94E-08	7.61E-09
2364	494811.06, 3860101.99	1.14E-04	1.80E-08	7.06E-09	1.40E-04	2.20E-08	8.65E-09	1.22E-04	1.93E-08	7.58E-09
2365	494861.06, 3860101.99	1.14E-04	1.79E-08	7.03E-09	1.39E-04	2.19E-08	8.61E-09	1.22E-04	1.92E-08	7.55E-09
2366	494911.06, 3860101.99	1.13E-04	1.78E-08	7.00E-09	1.39E-04	2.18E-08	8.58E-09	1.21E-04	1.91E-08	7.52E-09
2367	494961.06, 3860101.99	1.13E-04	1.78E-08	6.97E-09	1.38E-04	2.17E-08	8.54E-09	1.21E-04	1.91E-08	7.49E-09
2368	495011.06, 3860101.99	1.12E-04	1.77E-08	6.94E-09	1.37E-04	2.17E-08	8.51E-09	1.20E-04	1.90E-08	7.45E-09
2369	495061.06, 3860101.99	1.12E-04	1.76E-08	6.92E-09	1.37E-04	2.16E-08	8.47E-09	1.20E-04	1.89E-08	7.42E-09
2370	495111.06, 3860101.99	1.11E-04	1.75E-08	6.89E-09	1.36E-04	2.15E-08	8.43E-09	1.19E-04	1.88E-08	7.39E-09
2371	495161.06, 3860101.99	1.11E-04	1.75E-08	6.86E-09	1.36E-04	2.14E-08	8.40E-09	1.19E-04	1.87E-08	7.36E-09
2372	495211.06, 3860101.99	1.10E-04	1.74E-08	6.83E-09	1.35E-04	2.13E-08	8.37E-09	1.18E-04	1.87E-08	7.33E-09
2373	495261.06, 3860101.99	1.10E-04	1.73E-08	6.80E-09	1.35E-04	2.12E-08	8.33E-09	1.18E-04	1.86E-08	7.30E-09
2374	495311.06, 3860101.99	1.09E-04	1.72E-08	6.78E-09	1.34E-04	2.11E-08	8.30E-09	1.18E-04	1.85E-08	7.27E-09
2375	495361.06, 3860101.99	1.09E-04	1.72E-08	6.75E-09	1.34E-04	2.10E-08	8.27E-09	1.17E-04	1.84E-08	7.25E-09
2376	495411.06, 3860101.99	1.09E-04	1.71E-08	6.72E-09	1.33E-04	2.10E-08	8.23E-09	1.17E-04	1.84E-08	7.22E-09
2377	495461.06, 3860101.99	1.08E-04	1.70E-08	6.69E-09	1.32E-04	2.09E-08	8.20E-09	1.16E-04	1.83E-08	7.18E-09
2378	495511.06, 3860101.99	1.08E-04	1.70E-08	6.67E-09	1.32E-04	2.08E-08	8.16E-09	1.16E-04	1.82E-08	7.16E-09
2379	495561.06, 3860101.99	1.07E-04	1.69E-08	6.64E-09	1.31E-04	2.07E-08	8.13E-09	1.15E-04	1.81E-08	7.13E-09
2380	495611.06, 3860101.99	1.07E-04	1.68E-08	6.61E-09	1.31E-04	2.06E-08	8.10E-09	1.15E-04	1.81E-08	7.10E-09
2381	495661.06, 3860101.99	1.06E-04	1.68E-08	6.58E-09	1.30E-04	2.05E-08	8.07E-09	1.14E-04	1.80E-08	7.07E-09
2382	494861.06, 3860151.99	1.12E-04	1.76E-08	6.91E-09	1.37E-04	2.15E-08	8.46E-09	1.20E-04	1.89E-08	7.42E-09
2383	494911.06, 3860151.99	1.11E-04	1.75E-08	6.89E-09	1.36E-04	2.15E-08	8.43E-09	1.19E-04	1.88E-08	7.39E-09
2384	494961.06, 3860151.99	1.11E-04	1.75E-08	6.86E-09	1.36E-04	2.14E-08	8.40E-09	1.19E-04	1.87E-08	7.36E-09
2385	495011.06, 3860151.99	1.10E-04	1.74E-08	6.83E-09	1.35E-04	2.13E-08	8.37E-09	1.19E-04	1.87E-08	7.34E-09
2386	495061.06, 3860151.99	1.10E-04	1.73E-08	6.81E-09	1.35E-04	2.12E-08	8.34E-09	1.18E-04	1.86E-08	7.31E-09
2387	495111.06, 3860151.99	1.10E-04	1.73E-08	6.78E-09	1.34E-04	2.11E-08	8.30E-09	1.18E-04	1.85E-08	7.28E-09
2388	495161.06, 3860151.99	1.09E-04	1.72E-08	6.75E-09	1.34E-04	2.11E-08	8.27E-09	1.17E-04	1.85E-08	7.25E-09
2389	495211.06, 3860151.99	1.09E-04	1.71E-08	6.73E-09	1.33E-04	2.10E-08	8.24E-09	1.17E-04	1.84E-08	7.22E-09
2390	495261.06, 3860151.99	1.08E-04	1.71E-08	6.70E-09	1.33E-04	2.09E-08	8.21E-09	1.16E-04	1.83E-08	7.19E-09
2391	495311.06, 3860151.99	1.08E-04	1.70E-08	6.67E-09	1.32E-04	2.08E-08	8.18E-09	1.16E-04	1.82E-08	7.16E-09
2392	495361.06, 3860151.99	1.07E-04	1.69E-08	6.65E-09	1.32E-04	2.07E-08	8.14E-09	1.15E-04	1.82E-08	7.14E-09
2393	495411.06, 3860151.99	1.07E-04	1.69E-08	6.62E-09	1.31E-04	2.06E-08	8.11E-09	1.15E-04	1.81E-08	7.11E-09
2394	495461.06, 3860151.99	1.07E-04	1.68E-08	6.60E-09	1.31E-04	2.06E-08	8.08E-09	1.14E-04	1.80E-08	7.08E-09
2395	495511.06, 3860151.99	1.06E-04	1.67E-08	6.57E-09	1.30E-04	2.05E-08	8.05E-09	1.14E-04	1.80E-08	7.05E-09
2396	495561.06, 3860151.99	1.06E-04	1.67E-08	6.54E-09	1.30E-04	2.04E-08	8.02E-09	1.14E-04	1.79E-08	7.02E-09
2397	495611.06, 3860151.99	1.05E-04	1.66E-08	6.52E-09	1.29E-04	2.03E-08	7.98E-09	1.13E-04	1.78E-08	7.00E-09
2398	495661.06, 3860151.99	1.05E-04	1.65E-08	6.49E-09	1.28E-04	2.02E-08	7.95E-09	1.13E-04	1.77E-08	6.97E-09
2399	495718.25, 3859442.96	1.16E-04	1.83E-08	7.18E-09	1.42E-04	2.24E-08	8.80E-09	1.25E-04	1.96E-08	7.71E-09
2400	495818.25, 3859442.96	1.14E-04	1.80E-08	7.07E-09	1.40E-04	2.20E-08	8.66E-09	1.23E-04	1.93E-08	7.58E-09
2401	495918.25, 3859442.96	1.13E-04	1.78E-08	6.98E-09	1.38E-04	2.18E-08	8.55E-09	1.21E-04	1.91E-08	7.49E-09

2402	496018.25, 3859442.96	1.12E-04	1.76E-08	6.91E-09	1.37E-04	2.15E-08	8.46E-09	1.20E-04	1.89E-08	7.41E-09
2403	496118.25, 3859442.96	1.12E-04	1.76E-08	6.93E-09	1.37E-04	2.16E-08	8.49E-09	1.20E-04	1.89E-08	7.44E-09
2404	496218.25, 3859442.96	1.12E-04	1.77E-08	6.94E-09	1.37E-04	2.16E-08	8.50E-09	1.20E-04	1.90E-08	7.45E-09
2405	496318.25, 3859442.96	1.11E-04	1.75E-08	6.87E-09	1.36E-04	2.14E-08	8.42E-09	1.19E-04	1.88E-08	7.38E-09
2406	496418.25, 3859442.96	1.10E-04	1.73E-08	6.81E-09	1.35E-04	2.12E-08	8.33E-09	1.18E-04	1.86E-08	7.30E-09
2407	495718.25, 3859542.96	1.16E-04	1.83E-08	7.19E-09	1.42E-04	2.24E-08	8.81E-09	1.25E-04	1.97E-08	7.72E-09
2408	495818.25, 3859542.96	1.15E-04	1.81E-08	7.11E-09	1.41E-04	2.22E-08	8.71E-09	1.23E-04	1.94E-08	7.63E-09
2409	495918.25, 3859542.96	1.13E-04	1.78E-08	7.01E-09	1.39E-04	2.19E-08	8.59E-09	1.22E-04	1.92E-08	7.52E-09
2410	496018.25, 3859542.96	1.12E-04	1.76E-08	6.92E-09	1.37E-04	2.16E-08	8.48E-09	1.20E-04	1.89E-08	7.43E-09
2411	496118.25, 3859542.96	1.12E-04	1.77E-08	6.94E-09	1.37E-04	2.16E-08	8.49E-09	1.20E-04	1.89E-08	7.44E-09
2412	496218.25, 3859542.96	1.12E-04	1.76E-08	6.92E-09	1.37E-04	2.16E-08	8.47E-09	1.20E-04	1.89E-08	7.43E-09
2413	496318.25, 3859542.96	1.11E-04	1.75E-08	6.88E-09	1.36E-04	2.15E-08	8.43E-09	1.19E-04	1.88E-08	7.39E-09
2414	496418.25, 3859542.96	1.10E-04	1.73E-08	6.80E-09	1.35E-04	2.12E-08	8.33E-09	1.18E-04	1.86E-08	7.30E-09
2415	495718.25, 3859642.96	1.15E-04	1.82E-08	7.14E-09	1.41E-04	2.23E-08	8.75E-09	1.24E-04	1.95E-08	7.66E-09
2416	495818.25, 3859642.96	1.14E-04	1.80E-08	7.05E-09	1.40E-04	2.20E-08	8.64E-09	1.22E-04	1.93E-08	7.57E-09
2417	495918.25, 3859642.96	1.13E-04	1.78E-08	6.99E-09	1.38E-04	2.18E-08	8.56E-09	1.21E-04	1.91E-08	7.50E-09
2418	496018.25, 3859642.96	1.12E-04	1.76E-08	6.91E-09	1.37E-04	2.15E-08	8.46E-09	1.20E-04	1.89E-08	7.41E-09
2419	496118.25, 3859642.96	1.12E-04	1.76E-08	6.92E-09	1.37E-04	2.16E-08	8.48E-09	1.20E-04	1.89E-08	7.43E-09
2420	496218.25, 3859642.96	1.12E-04	1.76E-08	6.91E-09	1.37E-04	2.15E-08	8.46E-09	1.20E-04	1.89E-08	7.41E-09
2421	496318.25, 3859642.96	1.10E-04	1.74E-08	6.84E-09	1.35E-04	2.13E-08	8.38E-09	1.19E-04	1.87E-08	7.34E-09
2422	496418.25, 3859642.96	1.07E-04	1.69E-08	6.64E-09	1.31E-04	2.07E-08	8.13E-09	1.15E-04	1.81E-08	7.12E-09
2423	495718.25, 3859742.96	1.15E-04	1.80E-08	7.09E-09	1.40E-04	2.21E-08	8.68E-09	1.23E-04	1.94E-08	7.61E-09
2424	495818.25, 3859742.96	1.13E-04	1.78E-08	7.00E-09	1.38E-04	2.18E-08	8.57E-09	1.21E-04	1.91E-08	7.51E-09
2425	495918.25, 3859742.96	1.12E-04	1.76E-08	6.92E-09	1.37E-04	2.16E-08	8.48E-09	1.20E-04	1.89E-08	7.43E-09
2426	496018.25, 3859742.96	1.11E-04	1.74E-08	6.84E-09	1.35E-04	2.13E-08	8.38E-09	1.19E-04	1.87E-08	7.35E-09
2427	496118.25, 3859742.96	1.10E-04	1.74E-08	6.84E-09	1.35E-04	2.13E-08	8.37E-09	1.19E-04	1.87E-08	7.34E-09
2428	496218.25, 3859742.96	1.11E-04	1.74E-08	6.84E-09	1.35E-04	2.13E-08	8.38E-09	1.19E-04	1.87E-08	7.34E-09
2429	496318.25, 3859742.96	1.08E-04	1.70E-08	6.69E-09	1.32E-04	2.09E-08	8.20E-09	1.16E-04	1.83E-08	7.18E-09
2430	496418.25, 3859742.96	1.06E-04	1.67E-08	6.55E-09	1.30E-04	2.04E-08	8.02E-09	1.14E-04	1.79E-08	7.03E-09
2431	495718.25, 3859842.96	1.13E-04	1.78E-08	6.98E-09	1.38E-04	2.17E-08	8.54E-09	1.21E-04	1.91E-08	7.49E-09
2432	495818.25, 3859842.96	1.12E-04	1.76E-08	6.91E-09	1.37E-04	2.15E-08	8.46E-09	1.20E-04	1.89E-08	7.41E-09
2433	495918.25, 3859842.96	1.10E-04	1.74E-08	6.84E-09	1.35E-04	2.13E-08	8.37E-09	1.19E-04	1.87E-08	7.34E-09
2434	496018.25, 3859842.96	1.10E-04	1.73E-08	6.79E-09	1.34E-04	2.12E-08	8.31E-09	1.18E-04	1.85E-08	7.28E-09
2435	496118.25, 3859842.96	1.10E-04	1.73E-08	6.78E-09	1.34E-04	2.11E-08	8.31E-09	1.18E-04	1.85E-08	7.28E-09
2436	496218.25, 3859842.96	1.08E-04	1.70E-08	6.67E-09	1.32E-04	2.08E-08	8.16E-09	1.16E-04	1.82E-08	7.15E-09
2437	496318.25, 3859842.96	1.04E-04	1.64E-08	6.43E-09	1.27E-04	2.00E-08	7.87E-09	1.11E-04	1.76E-08	6.90E-09
2438	496418.25, 3859842.96	1.01E-04	1.59E-08	6.24E-09	1.24E-04	1.95E-08	7.65E-09	1.08E-04	1.71E-08	6.70E-09
2439	495718.25, 3859942.96	1.10E-04	1.74E-08	6.83E-09	1.35E-04	2.13E-08	8.37E-09	1.18E-04	1.87E-08	7.33E-09
2440	495818.25, 3859942.96	1.09E-04	1.72E-08	6.77E-09	1.34E-04	2.11E-08	8.29E-09	1.17E-04	1.85E-08	7.26E-09
2441	495918.25, 3859942.96	1.08E-04	1.71E-08	6.71E-09	1.33E-04	2.09E-08	8.22E-09	1.16E-04	1.83E-08	7.20E-09
2442	496018.25, 3859942.96	1.08E-04	1.70E-08	6.68E-09	1.32E-04	2.08E-08	8.18E-09	1.16E-04	1.83E-08	7.17E-09
2443	496118.25, 3859942.96	1.07E-04	1.68E-08	6.60E-09	1.31E-04	2.06E-08	8.08E-09	1.14E-04	1.80E-08	7.08E-09
2444	496218.25, 3859942.96	1.04E-04	1.65E-08	6.47E-09	1.28E-04	2.02E-08	7.92E-09	1.12E-04	1.77E-08	6.94E-09
2445	496318.25, 3859942.96	1.02E-04	1.61E-08	6.31E-09	1.25E-04	1.97E-08	7.73E-09	1.09E-04	1.72E-08	6.77E-09
2446	496418.25, 3859942.96	9.82E-05	1.55E-08	6.08E-09	1.20E-04	1.89E-08	7.44E-09	1.05E-04	1.66E-08	6.52E-09
2447	496856.82, 3858864.83	9.78E-05	1.54E-08	6.05E-09	1.20E-04	1.89E-08	7.41E-09	1.05E-04	1.65E-08	6.50E-09
2448	496956.82, 3858864.83	9.63E-05	1.52E-08	5.96E-09	1.18E-04	1.86E-08	7.30E-09	1.03E-04	1.63E-08	6.40E-09
2449	497056.82, 3858864.83	9.50E-05	1.50E-08	5.88E-09	1.16E-04	1.83E-08	7.20E-09	1.02E-04	1.61E-08	6.31E-09
2450	497156.82, 3858864.83	9.33E-05	1.47E-08	5.77E-09	1.14E-04	1.80E-08	7.07E-09	1.00E-04	1.58E-08	6.20E-09
2451	497256.82, 3858864.83	9.28E-05	1.46E-08	5.74E-09	1.14E-04	1.79E-08	7.03E-09	9.96E-05	1.57E-08	6.16E-09
2452	496856.82, 3858964.83	9.98E-05	1.57E-08	6.17E-09	1.22E-04	1.92E-08	7.56E-09	1.07E-04	1.69E-08	6.63E-09
2453	496956.82, 3858964.83	9.77E-05	1.54E-08	6.05E-09	1.20E-04	1.89E-08	7.41E-09	1.05E-04	1.65E-08	6.49E-09
2454	497056.82, 3858964.83	9.62E-05	1.52E-08	5.95E-09	1.18E-04	1.86E-08	7.29E-09	1.03E-04	1.63E-08	6.39E-09
2455	497156.82, 3858964.83	9.46E-05	1.49E-08	5.86E-09	1.16E-04	1.83E-08	7.17E-09	1.02E-04	1.60E-08	6.29E-09
2456	497256.82, 3858964.83	9.54E-05	1.50E-08	5.90E-09	1.17E-04	1.84E-08	7.23E-09	1.02E-04	1.61E-08	6.34E-09
2457	496856.82, 3859064.83	1.00E-04	1.58E-08	6.20E-09	1.23E-04	1.93E-08	7.60E-09	1.08E-04	1.69E-08	6.66E-09
2458	496956.82, 3859064.83	9.86E-05	1.55E-08	6.10E-09	1.21E-04	1.90E-08	7.47E-09	1.06E-04	1.67E-08	6.55E-09
2459	497056.82, 3859064.83	9.73E-05	1.53E-08	6.02E-09	1.19E-04	1.88E-08	7.37E-09	1.04E-04	1.64E-08	6.46E-09
2460	497156.82, 3859064.83	9.61E-05	1.51E-08	5.95E-09	1.18E-04	1.86E-08	7.29E-09	1.03E-04	1.63E-08	6.39E-09
2461	497256.82, 3859064.83	9.77E-05	1.54E-08	6.04E-09	1.20E-04	1.88E-08	7.40E-09	1.05E-04	1.65E-08	6.49E-09
2462	496856.82, 3859164.83	9.95E-05	1.57E-08	6.16E-09	1.22E-04	1.92E-08	7.55E-09	1.07E-04	1.68E-08	6.61E-09
2463	496956.82, 3859164.83	9.78E-05	1.54E-08	6.05E-09	1.20E-04	1.89E-08	7.42E-09	1.05E-04	1.65E-08	6.50E-09
2464	497056.82, 3859164.83	9.72E-05	1.53E-08	6.01E-09	1.19E-04	1.87E-08	7.37E-09	1.04E-04	1.64E-08	6.45E-09
2465	497156.82, 3859164.83	9.77E-05	1.54E-08	6.04E-09	1.20E-04	1.88E-08	7.40E-09	1.05E-04	1.65E-08	6.49E-09
2466	497256.82, 3859164.83	9.95E-05	1.57E-08	6.16E-09	1.22E-04	1.92E-08	7.55E-09	1.07E-04	1.68E-08	6.61E-09

2467	496856.82, 3859264.83	9.82E-05	1.55E-08	6.07E-09	1.20E-04	1.89E-08	7.44E-09	1.05E-04	1.66E-08	6.52E-09
2468	496956.82, 3859264.83	9.79E-05	1.54E-08	6.06E-09	1.20E-04	1.89E-08	7.42E-09	1.05E-04	1.66E-08	6.50E-09
2469	497056.82, 3859264.83	9.85E-05	1.55E-08	6.10E-09	1.21E-04	1.90E-08	7.47E-09	1.06E-04	1.67E-08	6.54E-09
2470	497156.82, 3859264.83	9.89E-05	1.56E-08	6.12E-09	1.21E-04	1.91E-08	7.50E-09	1.06E-04	1.67E-08	6.57E-09
2471	497256.82, 3859264.83	1.00E-04	1.58E-08	6.21E-09	1.23E-04	1.94E-08	7.60E-09	1.08E-04	1.70E-08	6.66E-09
2472	497088.92, 3858620.93	8.94E-05	1.41E-08	5.53E-09	1.09E-04	1.72E-08	6.77E-09	9.59E-05	1.51E-08	5.94E-09
2473	497138.92, 3858620.93	8.93E-05	1.41E-08	5.52E-09	1.09E-04	1.72E-08	6.77E-09	9.58E-05	1.51E-08	5.93E-09
2474	497188.92, 3858620.93	8.85E-05	1.39E-08	5.48E-09	1.08E-04	1.71E-08	6.71E-09	9.50E-05	1.50E-08	5.88E-09
2475	497238.92, 3858620.93	8.81E-05	1.39E-08	5.45E-09	1.08E-04	1.70E-08	6.68E-09	9.46E-05	1.49E-08	5.85E-09
2476	497088.92, 3858670.93	8.94E-05	1.41E-08	5.53E-09	1.09E-04	1.72E-08	6.77E-09	9.59E-05	1.51E-08	5.94E-09
2477	497138.92, 3858670.93	8.97E-05	1.41E-08	5.55E-09	1.10E-04	1.73E-08	6.80E-09	9.63E-05	1.52E-08	5.96E-09
2478	497188.92, 3858670.93	8.89E-05	1.40E-08	5.50E-09	1.09E-04	1.72E-08	6.74E-09	9.55E-05	1.50E-08	5.91E-09
2479	497238.92, 3858670.93	8.88E-05	1.40E-08	5.49E-09	1.09E-04	1.71E-08	6.73E-09	9.53E-05	1.50E-08	5.90E-09
2480	497088.92, 3858720.93	9.13E-05	1.44E-08	5.65E-09	1.12E-04	1.76E-08	6.92E-09	9.80E-05	1.54E-08	6.06E-09
2481	497138.92, 3858720.93	8.91E-05	1.40E-08	5.51E-09	1.09E-04	1.72E-08	6.75E-09	9.56E-05	1.51E-08	5.92E-09
2482	497188.92, 3858720.93	8.86E-05	1.40E-08	5.48E-09	1.09E-04	1.71E-08	6.72E-09	9.51E-05	1.50E-08	5.89E-09
2483	497238.92, 3858720.93	8.97E-05	1.41E-08	5.55E-09	1.10E-04	1.73E-08	6.80E-09	9.63E-05	1.52E-08	5.96E-09
2484	497088.92, 3858770.93	9.17E-05	1.44E-08	5.68E-09	1.12E-04	1.77E-08	6.95E-09	9.85E-05	1.55E-08	6.09E-09
2485	497138.92, 3858770.93	9.08E-05	1.43E-08	5.62E-09	1.11E-04	1.75E-08	6.88E-09	9.75E-05	1.54E-08	6.03E-09
2486	497188.92, 3858770.93	9.02E-05	1.42E-08	5.58E-09	1.10E-04	1.74E-08	6.84E-09	9.68E-05	1.53E-08	5.99E-09
2487	497238.92, 3858770.93	9.07E-05	1.43E-08	5.61E-09	1.11E-04	1.75E-08	6.87E-09	9.74E-05	1.53E-08	6.03E-09
2488	497396.65, 3858622.63	9.15E-05	1.44E-08	5.66E-09	1.12E-04	1.77E-08	6.94E-09	9.82E-05	1.55E-08	6.08E-09
2489	497496.65, 3858622.63	9.33E-05	1.47E-08	5.78E-09	1.14E-04	1.80E-08	7.07E-09	1.00E-04	1.58E-08	6.20E-09
2490	497596.65, 3858622.63	9.68E-05	1.53E-08	5.99E-09	1.19E-04	1.87E-08	7.34E-09	1.04E-04	1.64E-08	6.43E-09
2491	497696.65, 3858622.63	9.76E-05	1.54E-08	6.04E-09	1.20E-04	1.88E-08	7.40E-09	1.05E-04	1.65E-08	6.49E-09
2492	497796.65, 3858622.63	9.96E-05	1.57E-08	6.16E-09	1.22E-04	1.92E-08	7.55E-09	1.07E-04	1.68E-08	6.62E-09
2493	497896.65, 3858622.63	1.02E-04	1.60E-08	6.28E-09	1.24E-04	1.96E-08	7.70E-09	1.09E-04	1.72E-08	6.75E-09
2494	497396.65, 3858722.63	9.37E-05	1.48E-08	5.80E-09	1.15E-04	1.81E-08	7.10E-09	1.01E-04	1.58E-08	6.22E-09
2495	497496.65, 3858722.63	9.55E-05	1.50E-08	5.91E-09	1.17E-04	1.84E-08	7.24E-09	1.03E-04	1.61E-08	6.34E-09
2496	497596.65, 3858722.63	9.86E-05	1.55E-08	6.10E-09	1.21E-04	1.90E-08	7.47E-09	1.06E-04	1.67E-08	6.55E-09
2497	497696.65, 3858722.63	1.00E-04	1.58E-08	6.20E-09	1.23E-04	1.93E-08	7.60E-09	1.08E-04	1.69E-08	6.66E-09
2498	497796.65, 3858722.63	1.01E-04	1.59E-08	6.25E-09	1.24E-04	1.95E-08	7.65E-09	1.08E-04	1.71E-08	6.70E-09
2499	497896.65, 3858722.63	1.02E-04	1.61E-08	6.32E-09	1.25E-04	1.97E-08	7.74E-09	1.10E-04	1.73E-08	6.78E-09
2500	497396.65, 3858822.63	9.49E-05	1.49E-08	5.87E-09	1.16E-04	1.83E-08	7.19E-09	1.02E-04	1.60E-08	6.30E-09
2501	497496.65, 3858822.63	9.63E-05	1.52E-08	5.96E-09	1.18E-04	1.86E-08	7.30E-09	1.03E-04	1.63E-08	6.40E-09
2502	497596.65, 3858822.63	9.99E-05	1.57E-08	6.19E-09	1.22E-04	1.93E-08	7.58E-09	1.07E-04	1.69E-08	6.64E-09
2503	497696.65, 3858822.63	1.01E-04	1.59E-08	6.25E-09	1.24E-04	1.95E-08	7.65E-09	1.08E-04	1.71E-08	6.71E-09
2504	497796.65, 3858822.63	1.02E-04	1.60E-08	6.29E-09	1.25E-04	1.96E-08	7.71E-09	1.09E-04	1.72E-08	6.75E-09
2505	497896.65, 3858822.63	1.04E-04	1.63E-08	6.42E-09	1.27E-04	2.00E-08	7.86E-09	1.11E-04	1.75E-08	6.89E-09
2506	497396.65, 3858922.63	9.62E-05	1.52E-08	5.95E-09	1.18E-04	1.86E-08	7.29E-09	1.03E-04	1.63E-08	6.39E-09
2507	497496.65, 3858922.63	9.92E-05	1.56E-08	6.14E-09	1.21E-04	1.91E-08	7.52E-09	1.06E-04	1.68E-08	6.59E-09
2508	497596.65, 3858922.63	9.89E-05	1.56E-08	6.12E-09	1.21E-04	1.91E-08	7.50E-09	1.06E-04	1.67E-08	6.57E-09
2509	497696.65, 3858922.63	1.02E-04	1.61E-08	6.33E-09	1.25E-04	1.97E-08	7.75E-09	1.10E-04	1.73E-08	6.79E-09
2510	497796.65, 3858922.63	1.04E-04	1.63E-08	6.41E-09	1.27E-04	2.00E-08	7.85E-09	1.11E-04	1.75E-08	6.88E-09
2511	497896.65, 3858922.63	1.06E-04	1.67E-08	6.56E-09	1.30E-04	2.05E-08	8.04E-09	1.14E-04	1.79E-08	7.05E-09
2512	497364.44, 3858201.52	8.75E-05	1.38E-08	5.42E-09	1.07E-04	1.69E-08	6.64E-09	9.40E-05	1.48E-08	5.82E-09
2513	497414.44, 3858201.52	8.85E-05	1.39E-08	5.48E-09	1.08E-04	1.71E-08	6.71E-09	9.51E-05	1.50E-08	5.88E-09
2514	497464.44, 3858201.52	8.94E-05	1.41E-08	5.53E-09	1.09E-04	1.72E-08	6.77E-09	9.59E-05	1.51E-08	5.94E-09
2515	497514.44, 3858201.52	8.97E-05	1.41E-08	5.55E-09	1.10E-04	1.73E-08	6.80E-09	9.63E-05	1.52E-08	5.96E-09
2516	497564.44, 3858201.52	8.93E-05	1.41E-08	5.53E-09	1.09E-04	1.72E-08	6.77E-09	9.59E-05	1.51E-08	5.93E-09
2517	497614.44, 3858201.52	8.95E-05	1.41E-08	5.54E-09	1.10E-04	1.73E-08	6.78E-09	9.61E-05	1.51E-08	5.94E-09
2518	497364.44, 3858251.52	8.90E-05	1.40E-08	5.51E-09	1.09E-04	1.72E-08	6.74E-09	9.55E-05	1.50E-08	5.91E-09
2519	497414.44, 3858251.52	9.03E-05	1.42E-08	5.59E-09	1.11E-04	1.74E-08	6.84E-09	9.69E-05	1.53E-08	6.00E-09
2520	497464.44, 3858251.52	8.95E-05	1.41E-08	5.54E-09	1.10E-04	1.73E-08	6.79E-09	9.61E-05	1.51E-08	5.95E-09
2521	497514.44, 3858251.52	8.86E-05	1.40E-08	5.48E-09	1.09E-04	1.71E-08	6.72E-09	9.51E-05	1.50E-08	5.89E-09
2522	497564.44, 3858251.52	8.83E-05	1.39E-08	5.47E-09	1.08E-04	1.70E-08	6.69E-09	9.48E-05	1.49E-08	5.87E-09
2523	497614.44, 3858251.52	8.80E-05	1.39E-08	5.45E-09	1.08E-04	1.70E-08	6.67E-09	9.45E-05	1.49E-08	5.85E-09
2524	497364.44, 3858301.52	8.92E-05	1.41E-08	5.52E-09	1.09E-04	1.72E-08	6.76E-09	9.58E-05	1.51E-08	5.93E-09
2525	497414.44, 3858301.52	9.00E-05	1.42E-08	5.57E-09	1.10E-04	1.74E-08	6.82E-09	9.66E-05	1.52E-08	5.98E-09
2526	497464.44, 3858301.52	8.90E-05	1.40E-08	5.51E-09	1.09E-04	1.72E-08	6.75E-09	9.56E-05	1.51E-08	5.91E-09
2527	497514.44, 3858301.52	8.84E-05	1.39E-08	5.47E-09	1.08E-04	1.70E-08	6.70E-09	9.49E-05	1.49E-08	5.87E-09
2528	497564.44, 3858301.52	8.74E-05	1.38E-08	5.41E-09	1.07E-04	1.69E-08	6.62E-09	9.38E-05	1.48E-08	5.80E-09
2529	497614.44, 3858301.52	8.71E-05	1.37E-08	5.39E-09	1.07E-04	1.68E-08	6.60E-09	9.35E-05	1.47E-08	5.78E-09
2530	497364.44, 3858351.52	8.96E-05	1.41E-08	5.55E-09	1.10E-04	1.73E-08	6.80E-09	9.62E-05	1.52E-08	5.96E-09
2531	497414.44, 3858351.52	8.90E-05	1.40E-08	5.51E-09	1.09E-04	1.72E-08	6.75E-09	9.56E-05	1.51E-08	5.92E-09

2532	497464.44, 3858351.52	8.88E-05	1.40E-08	5.50E-09	1.09E-04	1.71E-08	6.73E-09	9.53E-05	1.50E-08	5.90E-09
2533	497514.44, 3858351.52	8.83E-05	1.39E-08	5.46E-09	1.08E-04	1.70E-08	6.69E-09	9.48E-05	1.49E-08	5.87E-09
2534	497564.44, 3858351.52	8.71E-05	1.37E-08	5.39E-09	1.07E-04	1.68E-08	6.60E-09	9.35E-05	1.47E-08	5.78E-09
2535	497614.44, 3858351.52	8.68E-05	1.37E-08	5.37E-09	1.06E-04	1.67E-08	6.58E-09	9.32E-05	1.47E-08	5.77E-09
2536	497364.44, 3858401.52	8.87E-05	1.40E-08	5.49E-09	1.09E-04	1.71E-08	6.72E-09	9.52E-05	1.50E-08	5.89E-09
2537	497414.44, 3858401.52	8.86E-05	1.39E-08	5.48E-09	1.08E-04	1.71E-08	6.71E-09	9.51E-05	1.50E-08	5.88E-09
2538	497464.44, 3858401.52	8.79E-05	1.38E-08	5.44E-09	1.08E-04	1.70E-08	6.66E-09	9.43E-05	1.49E-08	5.84E-09
2539	497514.44, 3858401.52	8.75E-05	1.38E-08	5.42E-09	1.07E-04	1.69E-08	6.63E-09	9.40E-05	1.48E-08	5.82E-09
2540	497564.44, 3858401.52	8.84E-05	1.39E-08	5.47E-09	1.08E-04	1.71E-08	6.70E-09	9.49E-05	1.50E-08	5.88E-09
2541	497614.44, 3858401.52	8.93E-05	1.41E-08	5.53E-09	1.09E-04	1.72E-08	6.77E-09	9.59E-05	1.51E-08	5.94E-09
2542	493478.11, 3860497.94	1.04E-04	1.63E-08	6.41E-09	1.27E-04	2.00E-08	7.85E-09	1.11E-04	1.75E-08	6.88E-09
2543	493528.11, 3860497.94	1.03E-04	1.63E-08	6.40E-09	1.27E-04	2.00E-08	7.84E-09	1.11E-04	1.75E-08	6.88E-09
2544	493478.11, 3860547.94	1.01E-04	1.59E-08	6.25E-09	1.24E-04	1.95E-08	7.66E-09	1.08E-04	1.71E-08	6.71E-09
2545	493528.11, 3860547.94	1.01E-04	1.59E-08	6.24E-09	1.24E-04	1.95E-08	7.65E-09	1.08E-04	1.71E-08	6.70E-09
2546	493478.11, 3860597.94	9.85E-05	1.55E-08	6.09E-09	1.21E-04	1.90E-08	7.46E-09	1.06E-04	1.67E-08	6.54E-09
2547	493528.11, 3860597.94	9.84E-05	1.55E-08	6.09E-09	1.20E-04	1.90E-08	7.46E-09	1.06E-04	1.66E-08	6.54E-09
2548	493561.88, 3860524.64	1.02E-04	1.61E-08	6.32E-09	1.25E-04	1.97E-08	7.74E-09	1.10E-04	1.73E-08	6.78E-09
2549	493591.88, 3860524.64	1.02E-04	1.61E-08	6.32E-09	1.25E-04	1.97E-08	7.74E-09	1.10E-04	1.73E-08	6.78E-09
2550	493561.88, 3860554.64	1.00E-04	1.58E-08	6.22E-09	1.23E-04	1.94E-08	7.62E-09	1.08E-04	1.70E-08	6.68E-09
2551	493591.88, 3860554.64	1.01E-04	1.58E-08	6.22E-09	1.23E-04	1.94E-08	7.62E-09	1.08E-04	1.70E-08	6.68E-09
2552	492880.5, 3860293.11	1.15E-04	1.81E-08	7.12E-09	1.41E-04	2.22E-08	8.72E-09	1.24E-04	1.95E-08	7.64E-09
2553	492930.5, 3860293.11	1.15E-04	1.81E-08	7.13E-09	1.41E-04	2.22E-08	8.73E-09	1.24E-04	1.95E-08	7.65E-09
2554	492980.5, 3860293.11	1.15E-04	1.82E-08	7.14E-09	1.41E-04	2.23E-08	8.74E-09	1.24E-04	1.95E-08	7.66E-09
2555	493030.5, 3860293.11	1.16E-04	1.83E-08	7.18E-09	1.42E-04	2.24E-08	8.79E-09	1.25E-04	1.96E-08	7.71E-09
2556	493080.5, 3860293.11	1.16E-04	1.83E-08	7.21E-09	1.43E-04	2.25E-08	8.83E-09	1.25E-04	1.97E-08	7.74E-09
2557	493130.5, 3860293.11	1.16E-04	1.83E-08	7.18E-09	1.42E-04	2.24E-08	8.80E-09	1.25E-04	1.96E-08	7.71E-09
2558	493180.5, 3860293.11	1.16E-04	1.82E-08	7.16E-09	1.42E-04	2.23E-08	8.76E-09	1.24E-04	1.96E-08	7.68E-09
2559	493230.5, 3860293.11	1.15E-04	1.82E-08	7.14E-09	1.41E-04	2.23E-08	8.75E-09	1.24E-04	1.95E-08	7.67E-09
2560	493280.5, 3860293.11	1.16E-04	1.82E-08	7.16E-09	1.42E-04	2.23E-08	8.76E-09	1.24E-04	1.96E-08	7.68E-09
2561	493330.5, 3860293.11	1.16E-04	1.82E-08	7.15E-09	1.42E-04	2.23E-08	8.76E-09	1.24E-04	1.95E-08	7.68E-09
2562	493380.5, 3860293.11	1.15E-04	1.82E-08	7.15E-09	1.41E-04	2.23E-08	8.75E-09	1.24E-04	1.95E-08	7.67E-09
2563	492880.5, 3860343.11	1.12E-04	1.76E-08	6.92E-09	1.37E-04	2.16E-08	8.47E-09	1.20E-04	1.89E-08	7.43E-09
2564	492930.5, 3860343.11	1.12E-04	1.76E-08	6.93E-09	1.37E-04	2.16E-08	8.49E-09	1.20E-04	1.89E-08	7.44E-09
2565	492980.5, 3860343.11	1.13E-04	1.78E-08	6.97E-09	1.38E-04	2.17E-08	8.54E-09	1.21E-04	1.91E-08	7.49E-09
2566	493030.5, 3860343.11	1.13E-04	1.78E-08	6.98E-09	1.38E-04	2.17E-08	8.54E-09	1.21E-04	1.91E-08	7.49E-09
2567	493080.5, 3860343.11	1.13E-04	1.79E-08	7.01E-09	1.39E-04	2.19E-08	8.59E-09	1.22E-04	1.92E-08	7.53E-09
2568	493130.5, 3860343.11	1.13E-04	1.78E-08	7.00E-09	1.39E-04	2.18E-08	8.58E-09	1.21E-04	1.91E-08	7.52E-09
2569	493180.5, 3860343.11	1.13E-04	1.77E-08	6.97E-09	1.38E-04	2.17E-08	8.54E-09	1.21E-04	1.90E-08	7.48E-09
2570	493230.5, 3860343.11	1.12E-04	1.77E-08	6.96E-09	1.38E-04	2.17E-08	8.53E-09	1.21E-04	1.90E-08	7.47E-09
2571	493280.5, 3860343.11	1.13E-04	1.78E-08	6.98E-09	1.38E-04	2.18E-08	8.55E-09	1.21E-04	1.91E-08	7.49E-09
2572	493330.5, 3860343.11	1.13E-04	1.78E-08	6.98E-09	1.38E-04	2.18E-08	8.55E-09	1.21E-04	1.91E-08	7.49E-09
2573	493380.5, 3860343.11	1.13E-04	1.78E-08	6.98E-09	1.38E-04	2.17E-08	8.54E-09	1.21E-04	1.91E-08	7.49E-09
2574	492880.5, 3860393.11	1.09E-04	1.71E-08	6.72E-09	1.33E-04	2.10E-08	8.23E-09	1.17E-04	1.84E-08	7.22E-09
2575	492930.5, 3860393.11	1.09E-04	1.72E-08	6.74E-09	1.33E-04	2.10E-08	8.26E-09	1.17E-04	1.84E-08	7.24E-09
2576	492980.5, 3860393.11	1.09E-04	1.72E-08	6.77E-09	1.34E-04	2.11E-08	8.29E-09	1.17E-04	1.85E-08	7.27E-09
2577	493030.5, 3860393.11	1.10E-04	1.73E-08	6.78E-09	1.34E-04	2.12E-08	8.31E-09	1.18E-04	1.85E-08	7.28E-09
2578	493080.5, 3860393.11	1.10E-04	1.74E-08	6.83E-09	1.35E-04	2.13E-08	8.36E-09	1.18E-04	1.87E-08	7.33E-09
2579	493130.5, 3860393.11	1.10E-04	1.73E-08	6.81E-09	1.35E-04	2.12E-08	8.34E-09	1.18E-04	1.86E-08	7.31E-09
2580	493180.5, 3860393.11	1.10E-04	1.73E-08	6.78E-09	1.34E-04	2.11E-08	8.30E-09	1.18E-04	1.85E-08	7.28E-09
2581	493230.5, 3860393.11	1.10E-04	1.73E-08	6.78E-09	1.34E-04	2.11E-08	8.31E-09	1.18E-04	1.85E-08	7.28E-09
2582	493280.5, 3860393.11	1.10E-04	1.73E-08	6.80E-09	1.35E-04	2.12E-08	8.33E-09	1.18E-04	1.86E-08	7.30E-09
2583	493330.5, 3860393.11	1.10E-04	1.73E-08	6.81E-09	1.35E-04	2.12E-08	8.34E-09	1.18E-04	1.86E-08	7.31E-09
2584	493380.5, 3860393.11	1.10E-04	1.73E-08	6.81E-09	1.35E-04	2.12E-08	8.34E-09	1.18E-04	1.86E-08	7.31E-09
2585	492880.5, 3860443.11	1.06E-04	1.66E-08	6.54E-09	1.29E-04	2.04E-08	8.01E-09	1.13E-04	1.79E-08	7.02E-09
2586	492930.5, 3860443.11	1.06E-04	1.67E-08	6.54E-09	1.30E-04	2.04E-08	8.02E-09	1.14E-04	1.79E-08	7.03E-09
2587	492980.5, 3860443.11	1.06E-04	1.67E-08	6.57E-09	1.30E-04	2.05E-08	8.04E-09	1.14E-04	1.79E-08	7.05E-09
2588	493030.5, 3860443.11	1.07E-04	1.68E-08	6.59E-09	1.30E-04	2.05E-08	8.07E-09	1.14E-04	1.80E-08	7.08E-09
2589	493080.5, 3860443.11	1.07E-04	1.68E-08	6.60E-09	1.31E-04	2.06E-08	8.08E-09	1.14E-04	1.80E-08	7.08E-09
2590	493130.5, 3860443.11	1.07E-04	1.68E-08	6.61E-09	1.31E-04	2.06E-08	8.09E-09	1.15E-04	1.81E-08	7.09E-09
2591	493180.5, 3860443.11	1.06E-04	1.68E-08	6.59E-09	1.30E-04	2.05E-08	8.07E-09	1.14E-04	1.80E-08	7.07E-09
2592	493230.5, 3860443.11	1.07E-04	1.68E-08	6.61E-09	1.31E-04	2.06E-08	8.10E-09	1.15E-04	1.81E-08	7.10E-09
2593	493280.5, 3860443.11	1.07E-04	1.69E-08	6.62E-09	1.31E-04	2.06E-08	8.11E-09	1.15E-04	1.81E-08	7.11E-09
2594	493330.5, 3860443.11	1.07E-04	1.69E-08	6.64E-09	1.31E-04	2.07E-08	8.13E-09	1.15E-04	1.81E-08	7.13E-09
2595	493380.5, 3860443.11	1.07E-04	1.69E-08	6.63E-09	1.31E-04	2.07E-08	8.12E-09	1.15E-04	1.81E-08	7.12E-09
2596	493180.5, 3860493.11	1.04E-04	1.63E-08	6.42E-09	1.27E-04	2.00E-08	7.86E-09	1.11E-04	1.75E-08	6.89E-09

2597 493230.5, 3860493.11	1.04E-04	1.64E-08	6.43E-09	1.27E-04	2.01E-08	7.88E-09	1.12E-04	1.76E-08	6.91E-09
2598 493280.5, 3860493.11	1.04E-04	1.64E-08	6.45E-09	1.28E-04	2.01E-08	7.90E-09	1.12E-04	1.76E-08	6.92E-09
2599 493330.5, 3860493.11	1.04E-04	1.64E-08	6.46E-09	1.28E-04	2.01E-08	7.91E-09	1.12E-04	1.76E-08	6.93E-09
2600 493380.5, 3860493.11	1.04E-04	1.64E-08	6.45E-09	1.28E-04	2.01E-08	7.90E-09	1.12E-04	1.76E-08	6.92E-09
2601 493330.5, 3860543.11	1.02E-04	1.60E-08	6.29E-09	1.24E-04	1.96E-08	7.70E-09	1.09E-04	1.72E-08	6.75E-09
2602 493380.5, 3860543.11	1.02E-04	1.60E-08	6.28E-09	1.24E-04	1.96E-08	7.70E-09	1.09E-04	1.72E-08	6.75E-09
2603 494135.94, 3860876.85	8.59E-05	1.35E-08	5.31E-09	1.05E-04	1.66E-08	6.51E-09	9.22E-05	1.45E-08	5.70E-09
2604 494185.94, 3860876.85	8.59E-05	1.35E-08	5.31E-09	1.05E-04	1.66E-08	6.51E-09	9.22E-05	1.45E-08	5.70E-09
2605 494135.94, 3860926.85	8.38E-05	1.32E-08	5.19E-09	1.03E-04	1.62E-08	6.35E-09	8.99E-05	1.42E-08	5.57E-09
2606 494185.94, 3860926.85	8.39E-05	1.32E-08	5.19E-09	1.03E-04	1.62E-08	6.36E-09	9.00E-05	1.42E-08	5.57E-09
2607 494135.94, 3860976.85	8.18E-05	1.29E-08	5.06E-09	1.00E-04	1.58E-08	6.20E-09	8.78E-05	1.38E-08	5.44E-09
2608 494185.94, 3860976.85	8.19E-05	1.29E-08	5.07E-09	1.00E-04	1.58E-08	6.21E-09	8.79E-05	1.38E-08	5.44E-09
2609 494135.94, 3861026.85	7.98E-05	1.26E-08	4.94E-09	9.78E-05	1.54E-08	6.05E-09	8.57E-05	1.35E-08	5.30E-09
2610 494185.94, 3861026.85	7.99E-05	1.26E-08	4.95E-09	9.79E-05	1.54E-08	6.06E-09	8.58E-05	1.35E-08	5.31E-09
2611 494135.94, 3861076.85	7.79E-05	1.23E-08	4.82E-09	9.54E-05	1.50E-08	5.91E-09	8.36E-05	1.32E-08	5.18E-09
2612 494185.94, 3861076.85	7.80E-05	1.23E-08	4.83E-09	9.55E-05	1.50E-08	5.91E-09	8.37E-05	1.32E-08	5.18E-09
2613 490360.04, 3858710.04	4.22E-04	6.65E-08	2.61E-08	5.17E-04	8.15E-08	3.20E-08	4.54E-04	7.15E-08	2.81E-08
2614 490410.04, 3858710.04	4.15E-04	6.54E-08	2.57E-08	5.08E-04	8.01E-08	3.14E-08	4.46E-04	7.02E-08	2.76E-08
2615 490460.04, 3858710.04	4.07E-04	6.41E-08	2.52E-08	4.99E-04	7.86E-08	3.09E-08	4.38E-04	6.89E-08	2.71E-08
2616 490510.04, 3858710.04	4.00E-04	6.31E-08	2.48E-08	4.90E-04	7.72E-08	3.03E-08	4.30E-04	6.78E-08	2.66E-08
2617 490560.04, 3858710.04	3.94E-04	6.20E-08	2.44E-08	4.82E-04	7.60E-08	2.99E-08	4.23E-04	6.67E-08	2.62E-08
2618 490610.04, 3858710.04	3.88E-04	6.10E-08	2.40E-08	4.75E-04	7.48E-08	2.94E-08	4.16E-04	6.56E-08	2.58E-08
2619 490660.04, 3858710.04	3.82E-04	6.02E-08	2.36E-08	4.68E-04	7.37E-08	2.90E-08	4.10E-04	6.47E-08	2.54E-08
2620 490710.04, 3858710.04	3.76E-04	5.92E-08	2.33E-08	4.60E-04	7.25E-08	2.85E-08	4.04E-04	6.36E-08	2.50E-08
2621 490760.04, 3858710.04	3.70E-04	5.83E-08	2.29E-08	4.53E-04	7.14E-08	2.80E-08	3.97E-04	6.26E-08	2.46E-08
2622 490810.04, 3858710.04	3.64E-04	5.74E-08	2.25E-08	4.46E-04	7.03E-08	2.76E-08	3.91E-04	6.16E-08	2.42E-08
2623 490860.04, 3858710.04	3.58E-04	5.64E-08	2.22E-08	4.39E-04	6.91E-08	2.72E-08	3.85E-04	6.06E-08	2.38E-08
2624 490360.04, 3858760.04	4.08E-04	6.42E-08	2.52E-08	4.99E-04	7.87E-08	3.09E-08	4.38E-04	6.90E-08	2.71E-08
2625 490410.04, 3858760.04	4.01E-04	6.31E-08	2.48E-08	4.91E-04	7.73E-08	3.04E-08	4.31E-04	6.78E-08	2.66E-08
2626 490460.04, 3858760.04	3.94E-04	6.20E-08	2.44E-08	4.82E-04	7.59E-08	2.98E-08	4.23E-04	6.66E-08	2.62E-08
2627 490510.04, 3858760.04	3.87E-04	6.09E-08	2.39E-08	4.74E-04	7.46E-08	2.93E-08	4.15E-04	6.55E-08	2.57E-08
2628 490560.04, 3858760.04	3.80E-04	5.99E-08	2.35E-08	4.66E-04	7.34E-08	2.88E-08	4.09E-04	6.44E-08	2.53E-08
2629 490610.04, 3858760.04	3.74E-04	5.89E-08	2.32E-08	4.58E-04	7.22E-08	2.84E-08	4.02E-04	6.33E-08	2.49E-08
2630 490660.04, 3858760.04	3.68E-04	5.80E-08	2.28E-08	4.51E-04	7.11E-08	2.79E-08	3.96E-04	6.23E-08	2.45E-08
2631 490710.04, 3858760.04	3.63E-04	5.71E-08	2.24E-08	4.44E-04	7.00E-08	2.75E-08	3.89E-04	6.14E-08	2.41E-08
2632 490760.04, 3858760.04	3.57E-04	5.62E-08	2.21E-08	4.37E-04	6.88E-08	2.70E-08	3.83E-04	6.04E-08	2.37E-08
2633 490810.04, 3858760.04	3.51E-04	5.53E-08	2.17E-08	4.30E-04	6.77E-08	2.66E-08	3.77E-04	5.94E-08	2.33E-08
2634 490860.04, 3858760.04	3.46E-04	5.45E-08	2.14E-08	4.24E-04	6.68E-08	2.62E-08	3.72E-04	5.85E-08	2.30E-08
2635 490360.04, 3858810.04	3.92E-04	6.18E-08	2.43E-08	4.81E-04	7.57E-08	2.97E-08	4.22E-04	6.64E-08	2.61E-08
2636 490410.04, 3858810.04	3.86E-04	6.07E-08	2.39E-08	4.72E-04	7.44E-08	2.92E-08	4.14E-04	6.53E-08	2.56E-08
2637 490460.04, 3858810.04	3.79E-04	5.97E-08	2.34E-08	4.64E-04	7.31E-08	2.87E-08	4.07E-04	6.41E-08	2.52E-08
2638 490510.04, 3858810.04	3.73E-04	5.87E-08	2.31E-08	4.57E-04	7.20E-08	2.83E-08	4.01E-04	6.31E-08	2.48E-08
2639 490560.04, 3858810.04	3.67E-04	5.78E-08	2.27E-08	4.50E-04	7.08E-08	2.78E-08	3.94E-04	6.21E-08	2.44E-08
2640 490610.04, 3858810.04	3.61E-04	5.68E-08	2.23E-08	4.42E-04	6.96E-08	2.73E-08	3.88E-04	6.11E-08	2.40E-08
2641 490660.04, 3858810.04	3.55E-04	5.59E-08	2.20E-08	4.35E-04	6.85E-08	2.69E-08	3.81E-04	6.01E-08	2.36E-08
2642 490710.04, 3858810.04	3.49E-04	5.50E-08	2.16E-08	4.28E-04	6.74E-08	2.65E-08	3.75E-04	5.91E-08	2.32E-08
2643 490760.04, 3858810.04	3.43E-04	5.41E-08	2.12E-08	4.20E-04	6.62E-08	2.60E-08	3.69E-04	5.81E-08	2.28E-08
2644 490810.04, 3858810.04	3.39E-04	5.34E-08	2.10E-08	4.15E-04	6.54E-08	2.57E-08	3.64E-04	5.73E-08	2.25E-08
2645 490860.04, 3858810.04	3.33E-04	5.25E-08	2.06E-08	4.08E-04	6.44E-08	2.53E-08	3.58E-04	5.64E-08	2.22E-08
2646 490360.04, 3858860.04	3.76E-04	5.92E-08	2.33E-08	4.61E-04	7.26E-08	2.85E-08	4.04E-04	6.37E-08	2.50E-08
2647 490410.04, 3858860.04	3.70E-04	5.83E-08	2.29E-08	4.54E-04	7.15E-08	2.81E-08	3.98E-04	6.27E-08	2.46E-08
2648 490460.04, 3858860.04	3.64E-04	5.73E-08	2.25E-08	4.46E-04	7.02E-08	2.76E-08	3.91E-04	6.16E-08	2.42E-08
2649 490510.04, 3858860.04	3.59E-04	5.65E-08	2.22E-08	4.40E-04	6.93E-08	2.72E-08	3.86E-04	6.08E-08	2.39E-08
2650 490560.04, 3858860.04	3.53E-04	5.56E-08	2.19E-08	4.33E-04	6.81E-08	2.68E-08	3.79E-04	5.98E-08	2.35E-08
2651 490610.04, 3858860.04	3.47E-04	5.46E-08	2.15E-08	4.25E-04	6.69E-08	2.63E-08	3.73E-04	5.87E-08	2.31E-08
2652 490660.04, 3858860.04	3.42E-04	5.38E-08	2.11E-08	4.18E-04	6.59E-08	2.59E-08	3.67E-04	5.78E-08	2.27E-08
2653 490710.04, 3858860.04	3.37E-04	5.31E-08	2.09E-08	4.13E-04	6.50E-08	2.55E-08	3.62E-04	5.70E-08	2.24E-08
2654 490760.04, 3858860.04	3.31E-04	5.22E-08	2.05E-08	4.06E-04	6.39E-08	2.51E-08	3.56E-04	5.61E-08	2.20E-08
2655 490810.04, 3858860.04	3.26E-04	5.13E-08	2.02E-08	3.99E-04	6.29E-08	2.47E-08	3.50E-04	5.51E-08	2.17E-08
2656 490860.04, 3858860.04	3.21E-04	5.05E-08	1.98E-08	3.93E-04	6.18E-08	2.43E-08	3.44E-04	5.42E-08	2.13E-08
2657 490360.04, 3858910.04	3.61E-04	5.68E-08	2.23E-08	4.42E-04	6.96E-08	2.73E-08	3.88E-04	6.11E-08	2.40E-08
2658 490410.04, 3858910.04	3.55E-04	5.60E-08	2.20E-08	4.35E-04	6.85E-08	2.69E-08	3.82E-04	6.01E-08	2.36E-08
2659 490460.04, 3858910.04	3.50E-04	5.51E-08	2.16E-08	4.28E-04	6.75E-08	2.65E-08	3.76E-04	5.92E-08	2.33E-08
2660 490510.04, 3858910.04	3.44E-04	5.42E-08	2.13E-08	4.22E-04	6.64E-08	2.61E-08	3.70E-04	5.83E-08	2.29E-08
2661 490560.04, 3858910.04	3.39E-04	5.34E-08	2.10E-08	4.15E-04	6.54E-08	2.57E-08	3.64E-04	5.73E-08	2.25E-08

2662	490610.04, 3858910.04	3.33E-04	5.25E-08	2.06E-08	4.08E-04	6.43E-08	2.53E-08	3.58E-04	5.64E-08	2.22E-08
2663	490660.04, 3858910.04	3.28E-04	5.17E-08	2.03E-08	4.02E-04	6.33E-08	2.49E-08	3.53E-04	5.55E-08	2.18E-08
2664	490710.04, 3858910.04	3.23E-04	5.09E-08	2.00E-08	3.96E-04	6.23E-08	2.45E-08	3.47E-04	5.47E-08	2.15E-08
2665	490760.04, 3858910.04	3.18E-04	5.00E-08	1.97E-08	3.89E-04	6.13E-08	2.41E-08	3.41E-04	5.37E-08	2.11E-08
2666	490810.04, 3858910.04	3.13E-04	4.93E-08	1.94E-08	3.83E-04	6.04E-08	2.37E-08	3.36E-04	5.30E-08	2.08E-08
2667	490860.04, 3858910.04	3.08E-04	4.85E-08	1.90E-08	3.77E-04	5.94E-08	2.33E-08	3.30E-04	5.21E-08	2.05E-08
2668	490360.04, 3858960.04	3.45E-04	5.43E-08	2.13E-08	4.22E-04	6.65E-08	2.61E-08	3.70E-04	5.84E-08	2.29E-08
2669	490410.04, 3858960.04	3.40E-04	5.35E-08	2.10E-08	4.16E-04	6.55E-08	2.57E-08	3.65E-04	5.75E-08	2.26E-08
2670	490460.04, 3858960.04	3.34E-04	5.27E-08	2.07E-08	4.09E-04	6.45E-08	2.53E-08	3.59E-04	5.66E-08	2.22E-08
2671	490510.04, 3858960.04	3.29E-04	5.19E-08	2.04E-08	4.03E-04	6.35E-08	2.50E-08	3.54E-04	5.57E-08	2.19E-08
2672	490560.04, 3858960.04	3.24E-04	5.11E-08	2.01E-08	3.97E-04	6.26E-08	2.46E-08	3.49E-04	5.49E-08	2.16E-08
2673	490610.04, 3858960.04	3.19E-04	5.02E-08	1.97E-08	3.91E-04	6.15E-08	2.42E-08	3.43E-04	5.40E-08	2.12E-08
2674	490660.04, 3858960.04	3.15E-04	4.96E-08	1.95E-08	3.86E-04	6.08E-08	2.39E-08	3.38E-04	5.33E-08	2.09E-08
2675	490710.04, 3858960.04	3.10E-04	4.88E-08	1.92E-08	3.80E-04	5.98E-08	2.35E-08	3.33E-04	5.24E-08	2.06E-08
2676	490760.04, 3858960.04	3.05E-04	4.80E-08	1.89E-08	3.74E-04	5.89E-08	2.31E-08	3.28E-04	5.16E-08	2.03E-08
2677	490810.04, 3858960.04	3.00E-04	4.73E-08	1.86E-08	3.68E-04	5.79E-08	2.28E-08	3.22E-04	5.08E-08	2.00E-08
2678	490860.04, 3858960.04	2.95E-04	4.65E-08	1.83E-08	3.61E-04	5.69E-08	2.24E-08	3.17E-04	4.99E-08	1.96E-08
2679	490360.04, 3859010.04	3.29E-04	5.18E-08	2.03E-08	4.03E-04	6.34E-08	2.49E-08	3.53E-04	5.57E-08	2.19E-08
2680	490410.04, 3859010.04	3.24E-04	5.10E-08	2.00E-08	3.97E-04	6.25E-08	2.46E-08	3.48E-04	5.48E-08	2.15E-08
2681	490460.04, 3859010.04	3.19E-04	5.02E-08	1.97E-08	3.90E-04	6.15E-08	2.42E-08	3.42E-04	5.39E-08	2.12E-08
2682	490510.04, 3859010.04	3.13E-04	4.94E-08	1.94E-08	3.84E-04	6.05E-08	2.38E-08	3.37E-04	5.31E-08	2.08E-08
2683	490560.04, 3859010.04	3.10E-04	4.88E-08	1.92E-08	3.79E-04	5.98E-08	2.35E-08	3.33E-04	5.24E-08	2.06E-08
2684	490610.04, 3859010.04	3.05E-04	4.80E-08	1.89E-08	3.73E-04	5.88E-08	2.31E-08	3.27E-04	5.16E-08	2.03E-08
2685	490660.04, 3859010.04	3.01E-04	4.75E-08	1.87E-08	3.69E-04	5.82E-08	2.28E-08	3.24E-04	5.10E-08	2.00E-08
2686	490710.04, 3859010.04	2.96E-04	4.67E-08	1.83E-08	3.63E-04	5.72E-08	2.25E-08	3.18E-04	5.02E-08	1.97E-08
2687	490760.04, 3859010.04	2.92E-04	4.60E-08	1.81E-08	3.57E-04	5.63E-08	2.21E-08	3.13E-04	4.94E-08	1.94E-08
2688	490810.04, 3859010.04	2.87E-04	4.52E-08	1.78E-08	3.52E-04	5.54E-08	2.18E-08	3.08E-04	4.86E-08	1.91E-08
2689	490860.04, 3859010.04	2.83E-04	4.45E-08	1.75E-08	3.46E-04	5.45E-08	2.14E-08	3.04E-04	4.78E-08	1.88E-08
2690	490360.04, 3859060.04	3.13E-04	4.93E-08	1.94E-08	3.83E-04	6.04E-08	2.37E-08	3.36E-04	5.30E-08	2.08E-08
2691	490410.04, 3859060.04	3.08E-04	4.85E-08	1.90E-08	3.77E-04	5.94E-08	2.33E-08	3.31E-04	5.21E-08	2.05E-08
2692	490460.04, 3859060.04	3.03E-04	4.78E-08	1.88E-08	3.71E-04	5.85E-08	2.30E-08	3.26E-04	5.13E-08	2.02E-08
2693	490510.04, 3859060.04	2.99E-04	4.71E-08	1.85E-08	3.66E-04	5.77E-08	2.27E-08	3.21E-04	5.06E-08	1.99E-08
2694	490560.04, 3859060.04	2.94E-04	4.64E-08	1.82E-08	3.61E-04	5.68E-08	2.23E-08	3.16E-04	4.98E-08	1.96E-08
2695	490610.04, 3859060.04	2.91E-04	4.58E-08	1.80E-08	3.56E-04	5.61E-08	2.20E-08	3.12E-04	4.92E-08	1.93E-08
2696	490660.04, 3859060.04	2.87E-04	4.53E-08	1.78E-08	3.52E-04	5.55E-08	2.18E-08	3.09E-04	4.86E-08	1.91E-08
2697	490710.04, 3859060.04	2.83E-04	4.45E-08	1.75E-08	3.46E-04	5.46E-08	2.14E-08	3.04E-04	4.78E-08	1.88E-08
2698	490760.04, 3859060.04	2.78E-04	4.39E-08	1.72E-08	3.41E-04	5.37E-08	2.11E-08	2.99E-04	4.71E-08	1.85E-08
2699	490810.04, 3859060.04	2.74E-04	4.32E-08	1.70E-08	3.36E-04	5.29E-08	2.08E-08	2.94E-04	4.63E-08	1.82E-08
2700	490860.04, 3859060.04	2.70E-04	4.25E-08	1.67E-08	3.30E-04	5.21E-08	2.05E-08	2.90E-04	4.56E-08	1.79E-08
2701	490360.04, 3859110.04	2.98E-04	4.69E-08	1.84E-08	3.65E-04	5.74E-08	2.26E-08	3.20E-04	5.04E-08	1.98E-08
2702	490410.04, 3859110.04	2.93E-04	4.62E-08	1.81E-08	3.59E-04	5.66E-08	2.22E-08	3.15E-04	4.96E-08	1.95E-08
2703	490460.04, 3859110.04	2.90E-04	4.56E-08	1.79E-08	3.55E-04	5.59E-08	2.20E-08	3.11E-04	4.90E-08	1.93E-08
2704	490510.04, 3859110.04	2.84E-04	4.48E-08	1.76E-08	3.48E-04	5.49E-08	2.15E-08	3.05E-04	4.81E-08	1.89E-08
2705	490560.04, 3859110.04	2.80E-04	4.42E-08	1.74E-08	3.44E-04	5.41E-08	2.13E-08	3.01E-04	4.75E-08	1.86E-08
2706	490610.04, 3859110.04	2.76E-04	4.35E-08	1.71E-08	3.38E-04	5.33E-08	2.09E-08	2.97E-04	4.68E-08	1.84E-08
2707	490660.04, 3859110.04	2.72E-04	4.28E-08	1.68E-08	3.33E-04	5.25E-08	2.06E-08	2.92E-04	4.60E-08	1.81E-08
2708	490710.04, 3859110.04	2.69E-04	4.23E-08	1.66E-08	3.29E-04	5.18E-08	2.04E-08	2.89E-04	4.55E-08	1.79E-08
2709	490760.04, 3859110.04	2.65E-04	4.17E-08	1.64E-08	3.25E-04	5.11E-08	2.01E-08	2.85E-04	4.48E-08	1.76E-08
2710	490810.04, 3859110.04	2.61E-04	4.10E-08	1.61E-08	3.19E-04	5.03E-08	1.98E-08	2.80E-04	4.41E-08	1.73E-08
2711	490860.04, 3859110.04	2.56E-04	4.04E-08	1.59E-08	3.14E-04	4.95E-08	1.94E-08	2.75E-04	4.34E-08	1.70E-08
2712	490360.04, 3859160.04	2.83E-04	4.46E-08	1.75E-08	3.47E-04	5.46E-08	2.15E-08	3.04E-04	4.79E-08	1.88E-08
2713	490410.04, 3859160.04	2.79E-04	4.40E-08	1.73E-08	3.42E-04	5.39E-08	2.12E-08	3.00E-04	4.73E-08	1.86E-08
2714	490460.04, 3859160.04	2.76E-04	4.35E-08	1.71E-08	3.38E-04	5.32E-08	2.09E-08	2.96E-04	4.67E-08	1.83E-08
2715	490510.04, 3859160.04	2.72E-04	4.29E-08	1.68E-08	3.33E-04	5.25E-08	2.06E-08	2.92E-04	4.61E-08	1.81E-08
2716	490560.04, 3859160.04	2.68E-04	4.22E-08	1.66E-08	3.28E-04	5.17E-08	2.03E-08	2.88E-04	4.53E-08	1.78E-08
2717	490610.04, 3859160.04	2.64E-04	4.17E-08	1.64E-08	3.24E-04	5.10E-08	2.00E-08	2.84E-04	4.47E-08	1.76E-08
2718	490660.04, 3859160.04	2.58E-04	4.07E-08	1.60E-08	3.16E-04	4.98E-08	1.96E-08	2.77E-04	4.37E-08	1.72E-08
2719	490710.04, 3859160.04	2.55E-04	4.02E-08	1.58E-08	3.13E-04	4.93E-08	1.94E-08	2.74E-04	4.32E-08	1.70E-08
2720	490760.04, 3859160.04	2.50E-04	3.95E-08	1.55E-08	3.07E-04	4.83E-08	1.90E-08	2.69E-04	4.24E-08	1.66E-08
2721	490810.04, 3859160.04	2.47E-04	3.90E-08	1.53E-08	3.03E-04	4.78E-08	1.88E-08	2.66E-04	4.19E-08	1.64E-08
2722	490860.04, 3859160.04	2.44E-04	3.85E-08	1.51E-08	2.99E-04	4.71E-08	1.85E-08	2.62E-04	4.13E-08	1.62E-08
2723	490360.04, 3859210.04	2.69E-04	4.24E-08	1.66E-08	3.29E-04	5.19E-08	2.04E-08	2.89E-04	4.55E-08	1.79E-08
2724	490410.04, 3859210.04	2.67E-04	4.20E-08	1.65E-08	3.27E-04	5.15E-08	2.02E-08	2.87E-04	4.52E-08	1.77E-08
2725	490460.04, 3859210.04	2.63E-04	4.14E-08	1.63E-08	3.22E-04	5.07E-08	1.99E-08	2.82E-04	4.45E-08	1.75E-08
2726	490510.04, 3859210.04	2.59E-04	4.08E-08	1.60E-08	3.18E-04	5.00E-08	1.97E-08	2.79E-04	4.39E-08	1.72E-08

2727	490560.04, 3859210.04	2.57E-04	4.04E-08	1.59E-08	3.14E-04	4.95E-08	1.94E-08	2.76E-04	4.34E-08	1.71E-08
2728	490610.04, 3859210.04	2.53E-04	3.99E-08	1.57E-08	3.10E-04	4.88E-08	1.92E-08	2.72E-04	4.28E-08	1.68E-08
2729	490660.04, 3859210.04	2.48E-04	3.91E-08	1.53E-08	3.04E-04	4.78E-08	1.88E-08	2.66E-04	4.19E-08	1.65E-08
2730	490710.04, 3859210.04	2.45E-04	3.85E-08	1.51E-08	3.00E-04	4.72E-08	1.85E-08	2.63E-04	4.14E-08	1.63E-08
2731	490760.04, 3859210.04	2.40E-04	3.78E-08	1.49E-08	2.94E-04	4.63E-08	1.82E-08	2.58E-04	4.06E-08	1.60E-08
2732	490810.04, 3859210.04	2.39E-04	3.76E-08	1.48E-08	2.93E-04	4.61E-08	1.81E-08	2.57E-04	4.04E-08	1.59E-08
2733	490860.04, 3859210.04	2.37E-04	3.74E-08	1.47E-08	2.91E-04	4.58E-08	1.80E-08	2.55E-04	4.02E-08	1.58E-08
2734	490360.04, 3859260.04	2.55E-04	4.02E-08	1.58E-08	3.13E-04	4.93E-08	1.94E-08	2.75E-04	4.33E-08	1.70E-08
2735	490410.04, 3859260.04	2.53E-04	3.99E-08	1.57E-08	3.10E-04	4.89E-08	1.92E-08	2.72E-04	4.29E-08	1.69E-08
2736	490460.04, 3859260.04	2.51E-04	3.96E-08	1.56E-08	3.08E-04	4.85E-08	1.91E-08	2.70E-04	4.26E-08	1.67E-08
2737	490510.04, 3859260.04	2.50E-04	3.93E-08	1.54E-08	3.06E-04	4.81E-08	1.89E-08	2.68E-04	4.22E-08	1.66E-08
2738	490560.04, 3859260.04	2.47E-04	3.89E-08	1.53E-08	3.02E-04	4.76E-08	1.87E-08	2.65E-04	4.18E-08	1.64E-08
2739	490610.04, 3859260.04	2.43E-04	3.83E-08	1.50E-08	2.97E-04	4.69E-08	1.84E-08	2.61E-04	4.11E-08	1.61E-08
2740	490660.04, 3859260.04	2.42E-04	3.80E-08	1.49E-08	2.96E-04	4.66E-08	1.83E-08	2.59E-04	4.09E-08	1.61E-08
2741	490710.04, 3859260.04	2.39E-04	3.76E-08	1.48E-08	2.93E-04	4.61E-08	1.81E-08	2.57E-04	4.04E-08	1.59E-08
2742	490760.04, 3859260.04	2.35E-04	3.70E-08	1.45E-08	2.88E-04	4.53E-08	1.78E-08	2.52E-04	3.97E-08	1.56E-08
2743	490810.04, 3859260.04	2.33E-04	3.67E-08	1.44E-08	2.86E-04	4.50E-08	1.77E-08	2.50E-04	3.94E-08	1.55E-08
2744	490860.04, 3859260.04	2.32E-04	3.65E-08	1.43E-08	2.84E-04	4.47E-08	1.76E-08	2.49E-04	3.92E-08	1.54E-08
2745	490360.04, 3859310.04	2.44E-04	3.84E-08	1.51E-08	2.98E-04	4.70E-08	1.85E-08	2.62E-04	4.12E-08	1.62E-08
2746	490410.04, 3859310.04	2.42E-04	3.81E-08	1.50E-08	2.96E-04	4.67E-08	1.83E-08	2.60E-04	4.09E-08	1.61E-08
2747	490460.04, 3859310.04	2.40E-04	3.78E-08	1.49E-08	2.94E-04	4.64E-08	1.82E-08	2.58E-04	4.07E-08	1.60E-08
2748	490510.04, 3859310.04	2.39E-04	3.76E-08	1.48E-08	2.93E-04	4.61E-08	1.81E-08	2.57E-04	4.04E-08	1.59E-08
2749	490560.04, 3859310.04	2.37E-04	3.74E-08	1.47E-08	2.91E-04	4.58E-08	1.80E-08	2.55E-04	4.02E-08	1.58E-08
2750	490610.04, 3859310.04	2.36E-04	3.72E-08	1.46E-08	2.89E-04	4.55E-08	1.79E-08	2.53E-04	3.99E-08	1.57E-08
2751	490660.04, 3859310.04	2.34E-04	3.69E-08	1.45E-08	2.87E-04	4.51E-08	1.77E-08	2.51E-04	3.96E-08	1.56E-08
2752	490710.04, 3859310.04	2.31E-04	3.63E-08	1.43E-08	2.82E-04	4.45E-08	1.75E-08	2.48E-04	3.90E-08	1.53E-08
2753	490760.04, 3859310.04	2.28E-04	3.60E-08	1.41E-08	2.80E-04	4.41E-08	1.73E-08	2.45E-04	3.86E-08	1.52E-08
2754	490810.04, 3859310.04	2.27E-04	3.57E-08	1.40E-08	2.78E-04	4.38E-08	1.72E-08	2.44E-04	3.84E-08	1.51E-08
2755	490860.04, 3859310.04	2.25E-04	3.54E-08	1.39E-08	2.75E-04	4.33E-08	1.70E-08	2.41E-04	3.80E-08	1.49E-08
2756	490360.04, 3859360.04	2.32E-04	3.66E-08	1.44E-08	2.85E-04	4.48E-08	1.76E-08	2.50E-04	3.93E-08	1.55E-08
2757	490410.04, 3859360.04	2.31E-04	3.64E-08	1.43E-08	2.83E-04	4.46E-08	1.75E-08	2.49E-04	3.91E-08	1.54E-08
2758	490460.04, 3859360.04	2.30E-04	3.63E-08	1.42E-08	2.82E-04	4.44E-08	1.74E-08	2.47E-04	3.90E-08	1.53E-08
2759	490510.04, 3859360.04	2.29E-04	3.61E-08	1.42E-08	2.81E-04	4.42E-08	1.74E-08	2.46E-04	3.88E-08	1.52E-08
2760	490560.04, 3859360.04	2.28E-04	3.59E-08	1.41E-08	2.79E-04	4.39E-08	1.73E-08	2.45E-04	3.85E-08	1.51E-08
2761	490610.04, 3859360.04	2.26E-04	3.56E-08	1.40E-08	2.77E-04	4.36E-08	1.71E-08	2.43E-04	3.83E-08	1.50E-08
2762	490660.04, 3859360.04	2.25E-04	3.54E-08	1.39E-08	2.75E-04	4.34E-08	1.70E-08	2.42E-04	3.80E-08	1.49E-08
2763	490710.04, 3859360.04	2.23E-04	3.51E-08	1.38E-08	2.73E-04	4.30E-08	1.69E-08	2.39E-04	3.77E-08	1.48E-08
2764	490760.04, 3859360.04	2.21E-04	3.48E-08	1.37E-08	2.70E-04	4.26E-08	1.67E-08	2.37E-04	3.73E-08	1.47E-08
2765	490810.04, 3859360.04	2.20E-04	3.46E-08	1.36E-08	2.69E-04	4.24E-08	1.67E-08	2.36E-04	3.72E-08	1.46E-08
2766	490860.04, 3859360.04	2.18E-04	3.44E-08	1.35E-08	2.67E-04	4.21E-08	1.65E-08	2.34E-04	3.69E-08	1.45E-08
2767	490360.04, 3859410.04	2.22E-04	3.49E-08	1.37E-08	2.71E-04	4.28E-08	1.68E-08	2.38E-04	3.75E-08	1.47E-08
2768	490410.04, 3859410.04	2.21E-04	3.48E-08	1.37E-08	2.71E-04	4.26E-08	1.67E-08	2.37E-04	3.74E-08	1.47E-08
2769	490460.04, 3859410.04	2.20E-04	3.47E-08	1.36E-08	2.70E-04	4.25E-08	1.67E-08	2.37E-04	3.73E-08	1.46E-08
2770	490510.04, 3859410.04	2.19E-04	3.45E-08	1.36E-08	2.69E-04	4.23E-08	1.66E-08	2.36E-04	3.71E-08	1.46E-08
2771	490560.04, 3859410.04	2.18E-04	3.44E-08	1.35E-08	2.68E-04	4.21E-08	1.66E-08	2.35E-04	3.70E-08	1.45E-08
2772	490610.04, 3859410.04	2.18E-04	3.43E-08	1.35E-08	2.66E-04	4.20E-08	1.65E-08	2.34E-04	3.68E-08	1.45E-08
2773	490660.04, 3859410.04	2.16E-04	3.41E-08	1.34E-08	2.65E-04	4.17E-08	1.64E-08	2.32E-04	3.66E-08	1.44E-08
2774	490710.04, 3859410.04	2.15E-04	3.38E-08	1.33E-08	2.63E-04	4.14E-08	1.63E-08	2.31E-04	3.64E-08	1.43E-08
2775	490760.04, 3859410.04	2.13E-04	3.36E-08	1.32E-08	2.61E-04	4.11E-08	1.61E-08	2.29E-04	3.60E-08	1.42E-08
2776	490810.04, 3859410.04	2.12E-04	3.34E-08	1.31E-08	2.60E-04	4.10E-08	1.61E-08	2.28E-04	3.59E-08	1.41E-08
2777	490860.04, 3859410.04	2.12E-04	3.34E-08	1.31E-08	2.59E-04	4.09E-08	1.61E-08	2.27E-04	3.58E-08	1.41E-08
2778	490360.04, 3859460.04	2.11E-04	3.33E-08	1.31E-08	2.59E-04	4.08E-08	1.60E-08	2.27E-04	3.58E-08	1.41E-08
2779	490410.04, 3859460.04	2.11E-04	3.32E-08	1.31E-08	2.58E-04	4.07E-08	1.60E-08	2.27E-04	3.57E-08	1.40E-08
2780	490460.04, 3859460.04	2.10E-04	3.31E-08	1.30E-08	2.58E-04	4.06E-08	1.60E-08	2.26E-04	3.56E-08	1.40E-08
2781	490510.04, 3859460.04	2.10E-04	3.31E-08	1.30E-08	2.57E-04	4.05E-08	1.59E-08	2.25E-04	3.55E-08	1.40E-08
2782	490560.04, 3859460.04	2.09E-04	3.30E-08	1.29E-08	2.56E-04	4.04E-08	1.59E-08	2.25E-04	3.54E-08	1.39E-08
2783	490610.04, 3859460.04	2.09E-04	3.28E-08	1.29E-08	2.55E-04	4.02E-08	1.58E-08	2.24E-04	3.53E-08	1.39E-08
2784	490660.04, 3859460.04	2.08E-04	3.27E-08	1.29E-08	2.54E-04	4.01E-08	1.57E-08	2.23E-04	3.52E-08	1.38E-08
2785	490710.04, 3859460.04	2.07E-04	3.26E-08	1.28E-08	2.53E-04	3.99E-08	1.57E-08	2.22E-04	3.50E-08	1.38E-08
2786	490760.04, 3859460.04	2.06E-04	3.25E-08	1.27E-08	2.52E-04	3.98E-08	1.56E-08	2.21E-04	3.49E-08	1.37E-08
2787	490810.04, 3859460.04	2.05E-04	3.23E-08	1.27E-08	2.51E-04	3.96E-08	1.55E-08	2.20E-04	3.47E-08	1.36E-08
2788	490860.04, 3859460.04	2.04E-04	3.22E-08	1.27E-08	2.50E-04	3.95E-08	1.55E-08	2.20E-04	3.46E-08	1.36E-08
2789	490360.04, 3859510.04	2.02E-04	3.17E-08	1.25E-08	2.47E-04	3.89E-08	1.53E-08	2.17E-04	3.41E-08	1.34E-08
2790	490410.04, 3859510.04	2.01E-04	3.17E-08	1.25E-08	2.47E-04	3.89E-08	1.53E-08	2.16E-04	3.41E-08	1.34E-08
2791	490460.04, 3859510.04	2.01E-04	3.17E-08	1.25E-08	2.46E-04	3.88E-08	1.52E-08	2.16E-04	3.41E-08	1.34E-08

2792	490510.04, 3859510.04	2.01E-04	3.16E-08	1.24E-08	2.46E-04	3.87E-08	1.52E-08	2.16E-04	3.40E-08	1.34E-08
2793	490560.04, 3859510.04	2.00E-04	3.16E-08	1.24E-08	2.45E-04	3.87E-08	1.52E-08	2.15E-04	3.39E-08	1.33E-08
2794	490610.04, 3859510.04	2.00E-04	3.15E-08	1.24E-08	2.45E-04	3.86E-08	1.52E-08	2.15E-04	3.38E-08	1.33E-08
2795	490660.04, 3859510.04	1.99E-04	3.14E-08	1.23E-08	2.44E-04	3.85E-08	1.51E-08	2.14E-04	3.38E-08	1.33E-08
2796	490710.04, 3859510.04	1.99E-04	3.13E-08	1.23E-08	2.44E-04	3.84E-08	1.51E-08	2.14E-04	3.37E-08	1.32E-08
2797	490760.04, 3859510.04	1.98E-04	3.12E-08	1.23E-08	2.43E-04	3.82E-08	1.50E-08	2.13E-04	3.35E-08	1.32E-08
2798	490810.04, 3859510.04	1.98E-04	3.11E-08	1.22E-08	2.42E-04	3.81E-08	1.50E-08	2.12E-04	3.34E-08	1.31E-08
2799	490860.04, 3859510.04	1.97E-04	3.10E-08	1.22E-08	2.41E-04	3.80E-08	1.49E-08	2.12E-04	3.33E-08	1.31E-08
2800	490360.04, 3859560.04	1.92E-04	3.03E-08	1.19E-08	2.35E-04	3.71E-08	1.46E-08	2.07E-04	3.25E-08	1.28E-08
2801	490410.04, 3859560.04	1.92E-04	3.03E-08	1.19E-08	2.35E-04	3.71E-08	1.46E-08	2.06E-04	3.25E-08	1.28E-08
2802	490460.04, 3859560.04	1.92E-04	3.03E-08	1.19E-08	2.35E-04	3.71E-08	1.46E-08	2.06E-04	3.25E-08	1.28E-08
2803	490510.04, 3859560.04	1.92E-04	3.03E-08	1.19E-08	2.35E-04	3.71E-08	1.46E-08	2.07E-04	3.25E-08	1.28E-08
2804	490560.04, 3859560.04	1.92E-04	3.02E-08	1.19E-08	2.35E-04	3.70E-08	1.45E-08	2.06E-04	3.25E-08	1.28E-08
2805	490610.04, 3859560.04	1.92E-04	3.02E-08	1.19E-08	2.35E-04	3.70E-08	1.45E-08	2.06E-04	3.24E-08	1.27E-08
2806	490660.04, 3859560.04	1.91E-04	3.02E-08	1.18E-08	2.34E-04	3.69E-08	1.45E-08	2.06E-04	3.24E-08	1.27E-08
2807	490710.04, 3859560.04	1.91E-04	3.01E-08	1.18E-08	2.34E-04	3.69E-08	1.45E-08	2.05E-04	3.23E-08	1.27E-08
2808	490760.04, 3859560.04	1.91E-04	3.00E-08	1.18E-08	2.33E-04	3.68E-08	1.44E-08	2.05E-04	3.23E-08	1.27E-08
2809	490810.04, 3859560.04	1.90E-04	2.99E-08	1.18E-08	2.33E-04	3.67E-08	1.44E-08	2.04E-04	3.22E-08	1.26E-08
2810	490860.04, 3859560.04	1.90E-04	2.99E-08	1.17E-08	2.32E-04	3.66E-08	1.44E-08	2.04E-04	3.21E-08	1.26E-08
2811	490187.25, 3859422.08	2.21E-04	3.48E-08	1.37E-08	2.71E-04	4.26E-08	1.67E-08	2.37E-04	3.74E-08	1.47E-08
2812	490237.25, 3859422.08	2.21E-04	3.47E-08	1.37E-08	2.70E-04	4.26E-08	1.67E-08	2.37E-04	3.73E-08	1.47E-08
2813	490287.25, 3859422.08	2.20E-04	3.47E-08	1.36E-08	2.70E-04	4.25E-08	1.67E-08	2.37E-04	3.73E-08	1.46E-08
2814	490337.25, 3859422.08	2.19E-04	3.46E-08	1.36E-08	2.69E-04	4.23E-08	1.66E-08	2.36E-04	3.72E-08	1.46E-08
2815	490187.25, 3859472.08	2.10E-04	3.31E-08	1.30E-08	2.57E-04	4.05E-08	1.59E-08	2.26E-04	3.56E-08	1.40E-08
2816	490237.25, 3859472.08	2.10E-04	3.30E-08	1.30E-08	2.57E-04	4.05E-08	1.59E-08	2.25E-04	3.55E-08	1.39E-08
2817	490287.25, 3859472.08	2.10E-04	3.30E-08	1.30E-08	2.57E-04	4.04E-08	1.59E-08	2.25E-04	3.55E-08	1.39E-08
2818	490337.25, 3859472.08	2.09E-04	3.30E-08	1.30E-08	2.56E-04	4.04E-08	1.59E-08	2.25E-04	3.54E-08	1.39E-08
2819	490297.07, 3859500.42	2.04E-04	3.21E-08	1.26E-08	2.50E-04	3.93E-08	1.54E-08	2.19E-04	3.45E-08	1.35E-08
2820	490327.07, 3859500.42	2.03E-04	3.21E-08	1.26E-08	2.49E-04	3.93E-08	1.54E-08	2.19E-04	3.44E-08	1.35E-08
2821	490297.07, 3859530.42	1.98E-04	3.12E-08	1.22E-08	2.42E-04	3.82E-08	1.50E-08	2.13E-04	3.35E-08	1.32E-08
2822	490327.07, 3859530.42	1.98E-04	3.11E-08	1.22E-08	2.42E-04	3.81E-08	1.50E-08	2.12E-04	3.35E-08	1.31E-08
2823	490319.73, 3859055.34	3.18E-04	5.01E-08	1.97E-08	3.90E-04	6.14E-08	2.41E-08	3.42E-04	5.39E-08	2.12E-08
2824	490319.73, 3859105.34	3.02E-04	4.76E-08	1.87E-08	3.70E-04	5.83E-08	2.29E-08	3.25E-04	5.12E-08	2.01E-08
2825	490069.73, 3859155.34	3.00E-04	4.72E-08	1.86E-08	3.67E-04	5.79E-08	2.27E-08	3.22E-04	5.08E-08	2.00E-08
2826	490119.73, 3859155.34	2.97E-04	4.68E-08	1.84E-08	3.64E-04	5.74E-08	2.25E-08	3.20E-04	5.04E-08	1.98E-08
2827	490269.73, 3859155.34	2.90E-04	4.57E-08	1.79E-08	3.55E-04	5.59E-08	2.20E-08	3.12E-04	4.91E-08	1.93E-08
2828	490319.73, 3859155.34	2.87E-04	4.52E-08	1.78E-08	3.52E-04	5.54E-08	2.18E-08	3.09E-04	4.86E-08	1.91E-08
2829	490069.73, 3859205.34	2.83E-04	4.45E-08	1.75E-08	3.46E-04	5.45E-08	2.14E-08	3.04E-04	4.79E-08	1.88E-08
2830	490119.73, 3859205.34	2.81E-04	4.42E-08	1.74E-08	3.44E-04	5.42E-08	2.13E-08	3.02E-04	4.75E-08	1.87E-08
2831	490169.73, 3859205.34	2.79E-04	4.39E-08	1.72E-08	3.41E-04	5.38E-08	2.11E-08	3.00E-04	4.72E-08	1.85E-08
2832	490219.73, 3859205.34	2.77E-04	4.36E-08	1.71E-08	3.39E-04	5.34E-08	2.10E-08	2.97E-04	4.69E-08	1.84E-08
2833	490269.73, 3859205.34	2.74E-04	4.32E-08	1.70E-08	3.36E-04	5.30E-08	2.08E-08	2.95E-04	4.65E-08	1.83E-08
2834	490319.73, 3859205.34	2.72E-04	4.29E-08	1.69E-08	3.34E-04	5.25E-08	2.06E-08	2.93E-04	4.61E-08	1.81E-08
2835	490069.73, 3859255.34	2.67E-04	4.21E-08	1.65E-08	3.27E-04	5.15E-08	2.02E-08	2.87E-04	4.52E-08	1.78E-08
2836	490119.73, 3859255.34	2.65E-04	4.18E-08	1.64E-08	3.25E-04	5.12E-08	2.01E-08	2.85E-04	4.49E-08	1.77E-08
2837	490169.73, 3859255.34	2.64E-04	4.15E-08	1.63E-08	3.23E-04	5.09E-08	2.00E-08	2.83E-04	4.46E-08	1.75E-08
2838	490219.73, 3859255.34	2.62E-04	4.13E-08	1.62E-08	3.21E-04	5.06E-08	1.99E-08	2.82E-04	4.44E-08	1.74E-08
2839	490269.73, 3859255.34	2.60E-04	4.10E-08	1.61E-08	3.19E-04	5.02E-08	1.97E-08	2.80E-04	4.41E-08	1.73E-08
2840	490319.73, 3859255.34	2.59E-04	4.08E-08	1.60E-08	3.17E-04	4.99E-08	1.96E-08	2.78E-04	4.38E-08	1.72E-08
2841	490069.73, 3859305.34	2.53E-04	3.98E-08	1.56E-08	3.09E-04	4.87E-08	1.92E-08	2.72E-04	4.28E-08	1.68E-08
2842	490119.73, 3859305.34	2.51E-04	3.96E-08	1.55E-08	3.08E-04	4.85E-08	1.90E-08	2.70E-04	4.25E-08	1.67E-08
2843	490169.73, 3859305.34	2.50E-04	3.94E-08	1.55E-08	3.06E-04	4.82E-08	1.89E-08	2.69E-04	4.23E-08	1.66E-08
2844	490219.73, 3859305.34	2.49E-04	3.92E-08	1.54E-08	3.05E-04	4.80E-08	1.88E-08	2.67E-04	4.21E-08	1.65E-08
2845	490269.73, 3859305.34	2.47E-04	3.90E-08	1.53E-08	3.03E-04	4.77E-08	1.88E-08	2.66E-04	4.19E-08	1.65E-08
2846	490319.73, 3859305.34	2.46E-04	3.87E-08	1.52E-08	3.01E-04	4.75E-08	1.86E-08	2.64E-04	4.16E-08	1.64E-08
2847	490069.73, 3859355.34	2.39E-04	3.76E-08	1.48E-08	2.93E-04	4.61E-08	1.81E-08	2.57E-04	4.05E-08	1.59E-08
2848	490119.73, 3859355.34	2.38E-04	3.75E-08	1.47E-08	2.91E-04	4.59E-08	1.80E-08	2.56E-04	4.03E-08	1.58E-08
2849	490169.73, 3859355.34	2.37E-04	3.73E-08	1.47E-08	2.90E-04	4.57E-08	1.80E-08	2.55E-04	4.01E-08	1.58E-08
2850	490219.73, 3859355.34	2.36E-04	3.72E-08	1.46E-08	2.89E-04	4.56E-08	1.79E-08	2.54E-04	4.00E-08	1.57E-08
2851	490269.73, 3859355.34	2.35E-04	3.71E-08	1.46E-08	2.88E-04	4.54E-08	1.78E-08	2.53E-04	3.98E-08	1.56E-08
2852	490319.73, 3859355.34	2.34E-04	3.69E-08	1.45E-08	2.87E-04	4.52E-08	1.78E-08	2.52E-04	3.97E-08	1.56E-08
2853	490069.73, 3859405.34	2.26E-04	3.56E-08	1.40E-08	2.77E-04	4.36E-08	1.71E-08	2.43E-04	3.83E-08	1.50E-08
2854	490119.73, 3859405.34	2.25E-04	3.55E-08	1.40E-08	2.76E-04	4.35E-08	1.71E-08	2.42E-04	3.82E-08	1.50E-08
2855	490169.73, 3859405.34	2.25E-04	3.54E-08	1.39E-08	2.76E-04	4.34E-08	1.71E-08	2.42E-04	3.81E-08	1.50E-08
2856	490219.73, 3859405.34	2.24E-04	3.54E-08	1.39E-08	2.75E-04	4.33E-08	1.70E-08	2.41E-04	3.80E-08	1.49E-08

2857	490269.73, 3859405.34	2.24E-04	3.53E-08	1.39E-08	2.74E-04	4.32E-08	1.70E-08	2.41E-04	3.79E-08	1.49E-08
2858	490319.73, 3859405.34	2.23E-04	3.52E-08	1.38E-08	2.73E-04	4.31E-08	1.69E-08	2.40E-04	3.78E-08	1.48E-08
2859	490161.89, 3859541.83	1.96E-04	3.09E-08	1.21E-08	2.40E-04	3.78E-08	1.48E-08	2.11E-04	3.32E-08	1.30E-08
2860	490171.89, 3859541.83	1.96E-04	3.09E-08	1.21E-08	2.40E-04	3.78E-08	1.48E-08	2.11E-04	3.32E-08	1.30E-08
2861	490161.89, 3859551.83	1.94E-04	3.06E-08	1.20E-08	2.38E-04	3.74E-08	1.47E-08	2.08E-04	3.28E-08	1.29E-08
2862	490171.89, 3859551.83	1.94E-04	3.06E-08	1.20E-08	2.38E-04	3.74E-08	1.47E-08	2.08E-04	3.28E-08	1.29E-08
2863	489799.72, 3859348.21	2.45E-04	3.86E-08	1.52E-08	3.00E-04	4.73E-08	1.86E-08	2.64E-04	4.15E-08	1.63E-08
2864	489819.72, 3859348.21	2.45E-04	3.86E-08	1.52E-08	3.00E-04	4.73E-08	1.86E-08	2.63E-04	4.15E-08	1.63E-08
2865	489799.72, 3859368.21	2.39E-04	3.77E-08	1.48E-08	2.93E-04	4.61E-08	1.81E-08	2.57E-04	4.05E-08	1.59E-08
2866	489819.72, 3859368.21	2.39E-04	3.76E-08	1.48E-08	2.93E-04	4.61E-08	1.81E-08	2.57E-04	4.05E-08	1.59E-08
2867	489775.41, 3859329.72	2.51E-04	3.96E-08	1.55E-08	3.08E-04	4.85E-08	1.90E-08	2.70E-04	4.25E-08	1.67E-08
2868	489795.41, 3859329.72	2.51E-04	3.95E-08	1.55E-08	3.07E-04	4.84E-08	1.90E-08	2.70E-04	4.25E-08	1.67E-08
2869	489775.41, 3859349.72	2.45E-04	3.86E-08	1.52E-08	3.00E-04	4.72E-08	1.86E-08	2.63E-04	4.15E-08	1.63E-08
2870	489795.41, 3859349.72	2.45E-04	3.85E-08	1.51E-08	3.00E-04	4.72E-08	1.85E-08	2.63E-04	4.14E-08	1.63E-08
2871	489595.05, 3859219.43	2.97E-04	4.67E-08	1.84E-08	3.63E-04	5.72E-08	2.25E-08	3.19E-04	5.03E-08	1.97E-08
2872	489615.05, 3859219.43	2.96E-04	4.67E-08	1.83E-08	3.63E-04	5.72E-08	2.25E-08	3.19E-04	5.02E-08	1.97E-08
2873	489595.05, 3859239.43	2.87E-04	4.53E-08	1.78E-08	3.52E-04	5.55E-08	2.18E-08	3.09E-04	4.87E-08	1.91E-08
2874	489615.05, 3859239.43	2.87E-04	4.52E-08	1.78E-08	3.52E-04	5.54E-08	2.18E-08	3.09E-04	4.86E-08	1.91E-08
2875	489372.4, 3859092.58	3.87E-04	6.09E-08	2.39E-08	4.74E-04	7.47E-08	2.93E-08	4.16E-04	6.56E-08	2.58E-08
2876	489422.4, 3859092.58	3.83E-04	6.03E-08	2.37E-08	4.69E-04	7.39E-08	2.90E-08	4.12E-04	6.49E-08	2.55E-08
2877	489372.4, 3859142.58	3.46E-04	5.45E-08	2.14E-08	4.24E-04	6.68E-08	2.62E-08	3.72E-04	5.87E-08	2.30E-08
2878	489422.4, 3859142.58	3.45E-04	5.43E-08	2.14E-08	4.23E-04	6.66E-08	2.62E-08	3.71E-04	5.85E-08	2.30E-08
2879	488870.84, 3858666.64	1.49E-03	2.34E-07	9.21E-08	1.82E-03	2.87E-07	1.13E-07	1.61E-03	2.53E-07	9.94E-08
2880	488900.84, 3858666.64	1.40E-03	2.20E-07	8.65E-08	1.71E-03	2.70E-07	1.06E-07	1.51E-03	2.38E-07	9.34E-08
2881	488870.84, 3858696.64	1.61E-03	2.54E-07	9.99E-08	1.98E-03	3.11E-07	1.22E-07	1.74E-03	2.74E-07	1.08E-07
2882	488900.84, 3858696.64	1.50E-03	2.37E-07	9.30E-08	1.84E-03	2.90E-07	1.14E-07	1.62E-03	2.55E-07	1.00E-07
2883	488889.67, 3858683.97	1.49E-03	2.35E-07	9.23E-08	1.83E-03	2.88E-07	1.13E-07	1.61E-03	2.53E-07	9.96E-08
2884	488919.67, 3858683.97	1.40E-03	2.21E-07	8.66E-08	1.72E-03	2.70E-07	1.06E-07	1.51E-03	2.38E-07	9.35E-08
2885	488889.67, 3858713.97	1.62E-03	2.55E-07	1.00E-07	1.98E-03	3.12E-07	1.23E-07	1.75E-03	2.75E-07	1.08E-07
2886	488919.67, 3858713.97	1.50E-03	2.37E-07	9.31E-08	1.84E-03	2.90E-07	1.14E-07	1.62E-03	2.56E-07	1.00E-07
2887	488906.61, 3858703.33	1.51E-03	2.38E-07	9.34E-08	1.85E-03	2.91E-07	1.14E-07	1.63E-03	2.56E-07	1.01E-07
2888	488936.61, 3858703.33	1.41E-03	2.22E-07	8.74E-08	1.73E-03	2.72E-07	1.07E-07	1.52E-03	2.40E-07	9.43E-08
2889	488906.61, 3858733.33	1.64E-03	2.58E-07	1.01E-07	2.01E-03	3.16E-07	1.24E-07	1.77E-03	2.78E-07	1.09E-07
2890	488936.61, 3858733.33	1.52E-03	2.39E-07	9.39E-08	1.86E-03	2.93E-07	1.15E-07	1.64E-03	2.58E-07	1.01E-07
2891	488637.63, 3858467.85	1.48E-03	2.34E-07	9.19E-08	1.82E-03	2.86E-07	1.13E-07	1.60E-03	2.52E-07	9.91E-08
2892	488662.63, 3858467.85	1.42E-03	2.24E-07	8.79E-08	1.74E-03	2.74E-07	1.08E-07	1.53E-03	2.41E-07	9.48E-08
2893	488637.63, 3858492.85	1.57E-03	2.48E-07	9.74E-08	1.93E-03	3.04E-07	1.19E-07	1.70E-03	2.67E-07	1.05E-07
2894	488662.63, 3858492.85	1.50E-03	2.36E-07	9.27E-08	1.84E-03	2.89E-07	1.14E-07	1.62E-03	2.55E-07	1.00E-07
2895	488687.63, 3858492.85	1.43E-03	2.26E-07	8.86E-08	1.75E-03	2.76E-07	1.09E-07	1.54E-03	2.43E-07	9.55E-08
2896	488637.63, 3858517.85	1.68E-03	2.65E-07	1.04E-07	2.06E-03	3.25E-07	1.28E-07	1.81E-03	2.86E-07	1.12E-07
2897	488662.63, 3858517.85	1.59E-03	2.51E-07	9.85E-08	1.95E-03	3.07E-07	1.21E-07	1.72E-03	2.71E-07	1.06E-07
2898	488687.63, 3858517.85	1.51E-03	2.38E-07	9.37E-08	1.85E-03	2.92E-07	1.15E-07	1.63E-03	2.57E-07	1.01E-07
2899	488194.42, 3857168.98	1.70E-03	2.68E-07	1.05E-07	2.09E-03	3.29E-07	1.29E-07	1.81E-03	2.86E-07	1.12E-07
2900	488244.42, 3857168.98	1.64E-03	2.59E-07	1.02E-07	2.01E-03	3.17E-07	1.25E-07	1.75E-03	2.76E-07	1.08E-07
2901	488294.42, 3857168.98	1.59E-03	2.50E-07	9.83E-08	1.95E-03	3.06E-07	1.20E-07	1.69E-03	2.67E-07	1.05E-07
2902	488244.42, 3857218.98	1.67E-03	2.63E-07	1.03E-07	2.04E-03	3.22E-07	1.26E-07	1.77E-03	2.80E-07	1.10E-07
2903	488294.42, 3857218.98	1.61E-03	2.54E-07	9.96E-08	1.97E-03	3.11E-07	1.22E-07	1.71E-03	2.70E-07	1.06E-07
2904	488294.42, 3857268.98	1.63E-03	2.57E-07	1.01E-07	1.99E-03	3.14E-07	1.23E-07	1.73E-03	2.73E-07	1.07E-07
2905	488139.13, 3857111.68	1.74E-03	2.74E-07	1.08E-07	2.13E-03	3.35E-07	1.32E-07	1.85E-03	2.92E-07	1.15E-07
2906	488189.13, 3857111.68	1.68E-03	2.64E-07	1.04E-07	2.05E-03	3.23E-07	1.27E-07	1.79E-03	2.81E-07	1.11E-07
2907	488189.13, 3857161.68	1.71E-03	2.69E-07	1.06E-07	2.09E-03	3.29E-07	1.29E-07	1.82E-03	2.86E-07	1.12E-07
2908	487951.04, 3856961.26	1.88E-03	2.96E-07	1.16E-07	2.30E-03	3.63E-07	1.42E-07	2.01E-03	3.17E-07	1.24E-07
2909	488001.04, 3856961.26	1.81E-03	2.86E-07	1.12E-07	2.22E-03	3.50E-07	1.38E-07	1.94E-03	3.06E-07	1.20E-07
2910	488051.04, 3856961.26	1.76E-03	2.77E-07	1.09E-07	2.15E-03	3.39E-07	1.33E-07	1.88E-03	2.96E-07	1.16E-07
2911	488101.04, 3856961.26	1.70E-03	2.67E-07	1.05E-07	2.08E-03	3.27E-07	1.28E-07	1.81E-03	2.86E-07	1.12E-07
2912	487951.04, 3857011.26	1.91E-03	3.01E-07	1.18E-07	2.34E-03	3.68E-07	1.45E-07	2.04E-03	3.21E-07	1.26E-07
2913	488001.04, 3857011.26	1.85E-03	2.91E-07	1.14E-07	2.26E-03	3.56E-07	1.40E-07	1.97E-03	3.11E-07	1.22E-07
2914	488051.04, 3857011.26	1.79E-03	2.81E-07	1.11E-07	2.19E-03	3.45E-07	1.35E-07	1.91E-03	3.01E-07	1.18E-07
2915	488101.04, 3857011.26	1.72E-03	2.71E-07	1.07E-07	2.11E-03	3.32E-07	1.31E-07	1.84E-03	2.90E-07	1.14E-07
2916	488001.04, 3857061.26	1.88E-03	2.96E-07	1.16E-07	2.30E-03	3.62E-07	1.42E-07	2.00E-03	3.16E-07	1.24E-07
2917	488051.04, 3857061.26	1.81E-03	2.86E-07	1.12E-07	2.22E-03	3.50E-07	1.37E-07	1.93E-03	3.05E-07	1.20E-07
2918	488101.04, 3857061.26	1.75E-03	2.76E-07	1.08E-07	2.14E-03	3.38E-07	1.33E-07	1.87E-03	2.94E-07	1.16E-07
2919	487638.98, 3856673.79	2.10E-03	3.31E-07	1.30E-07	2.58E-03	4.06E-07	1.59E-07	2.27E-03	3.57E-07	1.40E-07
2920	487688.98, 3856673.79	2.03E-03	3.19E-07	1.25E-07	2.48E-03	3.91E-07	1.54E-07	2.18E-03	3.44E-07	1.35E-07
2921	487638.98, 3856723.79	2.17E-03	3.42E-07	1.34E-07	2.66E-03	4.19E-07	1.64E-07	2.34E-03	3.68E-07	1.45E-07

2922	487688.98, 3856723.79	2.09E-03	3.29E-07	1.29E-07	2.55E-03	4.02E-07	1.58E-07	2.25E-03	3.54E-07	1.39E-07
2923	486324.61, 3855740.57	2.25E-03	3.54E-07	1.39E-07	2.76E-03	4.34E-07	1.71E-07	2.42E-03	3.82E-07	1.50E-07
2924	486374.61, 3855740.57	2.10E-03	3.31E-07	1.30E-07	2.57E-03	4.05E-07	1.59E-07	2.26E-03	3.57E-07	1.40E-07
2925	486424.61, 3855740.57	2.01E-03	3.17E-07	1.24E-07	2.46E-03	3.88E-07	1.52E-07	2.17E-03	3.41E-07	1.34E-07
2926	486324.61, 3855790.57	2.36E-03	3.73E-07	1.46E-07	2.90E-03	4.56E-07	1.79E-07	2.55E-03	4.02E-07	1.58E-07
2927	486374.61, 3855790.57	2.21E-03	3.49E-07	1.37E-07	2.71E-03	4.27E-07	1.68E-07	2.38E-03	3.76E-07	1.48E-07
2928	486424.61, 3855790.57	2.13E-03	3.36E-07	1.32E-07	2.61E-03	4.11E-07	1.62E-07	2.30E-03	3.62E-07	1.42E-07
2929	486324.61, 3855840.57	2.49E-03	3.92E-07	1.54E-07	3.05E-03	4.80E-07	1.89E-07	2.68E-03	4.23E-07	1.66E-07
2930	486374.61, 3855840.57	2.38E-03	3.75E-07	1.47E-07	2.91E-03	4.59E-07	1.80E-07	2.57E-03	4.04E-07	1.59E-07
2931	486424.61, 3855840.57	2.27E-03	3.57E-07	1.40E-07	2.77E-03	4.37E-07	1.72E-07	2.44E-03	3.85E-07	1.51E-07
2932	486324.61, 3855890.57	2.69E-03	4.24E-07	1.67E-07	3.30E-03	5.19E-07	2.04E-07	2.90E-03	4.57E-07	1.80E-07
2933	486374.61, 3855890.57	2.56E-03	4.03E-07	1.58E-07	3.13E-03	4.93E-07	1.94E-07	2.76E-03	4.34E-07	1.71E-07
2934	486424.61, 3855890.57	2.42E-03	3.81E-07	1.50E-07	2.96E-03	4.67E-07	1.83E-07	2.61E-03	4.11E-07	1.61E-07
2935	488735.69, 3858285.64	1.06E-03	1.66E-07	6.53E-08	1.29E-03	2.04E-07	8.00E-08	1.14E-03	1.79E-07	7.03E-08
2936	488765.69, 3858285.64	1.03E-03	1.62E-07	6.38E-08	1.26E-03	1.99E-07	7.81E-08	1.11E-03	1.75E-07	6.86E-08
2937	488735.69, 3858315.64	1.08E-03	1.69E-07	6.65E-08	1.32E-03	2.07E-07	8.15E-08	1.16E-03	1.82E-07	7.16E-08
2938	488765.69, 3858315.64	1.05E-03	1.65E-07	6.48E-08	1.28E-03	2.02E-07	7.94E-08	1.13E-03	1.78E-07	6.98E-08
2939	478676.63, 3849871.93	2.61E-05	4.11E-09	1.62E-09	3.20E-05	5.04E-09	1.98E-09	2.81E-05	4.42E-09	1.74E-09
2940	479326.63, 3849871.93	3.21E-05	5.06E-09	1.99E-09	3.94E-05	6.20E-09	2.44E-09	3.45E-05	5.44E-09	2.14E-09
2941	479376.63, 3849871.93	3.24E-05	5.11E-09	2.01E-09	3.97E-05	6.26E-09	2.46E-09	3.48E-05	5.49E-09	2.16E-09
2942	479426.63, 3849871.93	3.28E-05	5.17E-09	2.03E-09	4.02E-05	6.33E-09	2.49E-09	3.52E-05	5.55E-09	2.18E-09
2943	478726.63, 3849921.93	2.66E-05	4.19E-09	1.65E-09	3.26E-05	5.13E-09	2.02E-09	2.86E-05	4.50E-09	1.77E-09
2944	478776.63, 3849921.93	2.71E-05	4.26E-09	1.68E-09	3.32E-05	5.22E-09	2.05E-09	2.91E-05	4.58E-09	1.80E-09
2945	478826.63, 3849921.93	2.75E-05	4.34E-09	1.70E-09	3.37E-05	5.32E-09	2.09E-09	2.96E-05	4.66E-09	1.83E-09
2946	478976.63, 3849921.93	2.90E-05	4.57E-09	1.80E-09	3.56E-05	5.60E-09	2.20E-09	3.12E-05	4.91E-09	1.93E-09
2947	479026.63, 3849921.93	2.97E-05	4.68E-09	1.84E-09	3.64E-05	5.74E-09	2.25E-09	3.19E-05	5.03E-09	1.98E-09
2948	479076.63, 3849921.93	3.03E-05	4.77E-09	1.87E-09	3.71E-05	5.85E-09	2.30E-09	3.25E-05	5.13E-09	2.01E-09
2949	479126.63, 3849921.93	3.08E-05	4.85E-09	1.91E-09	3.77E-05	5.95E-09	2.34E-09	3.31E-05	5.22E-09	2.05E-09
2950	479176.63, 3849921.93	3.14E-05	4.95E-09	1.94E-09	3.85E-05	6.06E-09	2.38E-09	3.37E-05	5.32E-09	2.09E-09
2951	479226.63, 3849921.93	3.17E-05	5.00E-09	1.96E-09	3.89E-05	6.12E-09	2.41E-09	3.41E-05	5.37E-09	2.11E-09
2952	479276.63, 3849921.93	3.17E-05	5.00E-09	1.96E-09	3.89E-05	6.13E-09	2.41E-09	3.41E-05	5.37E-09	2.11E-09
2953	479326.63, 3849921.93	3.27E-05	5.15E-09	2.02E-09	4.01E-05	6.31E-09	2.48E-09	3.51E-05	5.53E-09	2.17E-09
2954	479376.63, 3849921.93	3.27E-05	5.14E-09	2.02E-09	4.00E-05	6.30E-09	2.48E-09	3.51E-05	5.53E-09	2.17E-09
2955	479426.63, 3849921.93	3.33E-05	5.25E-09	2.06E-09	4.08E-05	6.43E-09	2.53E-09	3.58E-05	5.64E-09	2.22E-09
2956	478726.63, 3849971.93	2.66E-05	4.19E-09	1.64E-09	3.26E-05	5.13E-09	2.01E-09	2.86E-05	4.50E-09	1.77E-09
2957	478776.63, 3849971.93	2.70E-05	4.26E-09	1.67E-09	3.31E-05	5.22E-09	2.05E-09	2.91E-05	4.58E-09	1.80E-09
2958	478826.63, 3849971.93	2.75E-05	4.33E-09	1.70E-09	3.37E-05	5.31E-09	2.08E-09	2.95E-05	4.65E-09	1.83E-09
2959	478976.63, 3849971.93	2.92E-05	4.60E-09	1.81E-09	3.58E-05	5.64E-09	2.21E-09	3.14E-05	4.94E-09	1.94E-09
2960	479026.63, 3849971.93	2.97E-05	4.68E-09	1.84E-09	3.64E-05	5.73E-09	2.25E-09	3.19E-05	5.03E-09	1.98E-09
2961	479076.63, 3849971.93	3.02E-05	4.76E-09	1.87E-09	3.70E-05	5.83E-09	2.29E-09	3.25E-05	5.11E-09	2.01E-09
2962	479126.63, 3849971.93	3.08E-05	4.85E-09	1.91E-09	3.77E-05	5.94E-09	2.33E-09	3.31E-05	5.21E-09	2.05E-09
2963	479176.63, 3849971.93	3.14E-05	4.94E-09	1.94E-09	3.84E-05	6.05E-09	2.38E-09	3.37E-05	5.31E-09	2.09E-09
2964	479226.63, 3849971.93	3.13E-05	4.93E-09	1.94E-09	3.83E-05	6.03E-09	2.37E-09	3.36E-05	5.29E-09	2.08E-09
2965	479276.63, 3849971.93	3.22E-05	5.08E-09	1.99E-09	3.95E-05	6.22E-09	2.44E-09	3.46E-05	5.45E-09	2.14E-09
2966	479326.63, 3849971.93	3.30E-05	5.20E-09	2.04E-09	4.04E-05	6.37E-09	2.50E-09	3.54E-05	5.58E-09	2.19E-09
2967	479376.63, 3849971.93	3.30E-05	5.20E-09	2.04E-09	4.05E-05	6.38E-09	2.50E-09	3.55E-05	5.59E-09	2.20E-09
2968	479426.63, 3849971.93	3.36E-05	5.29E-09	2.08E-09	4.11E-05	6.48E-09	2.55E-09	3.61E-05	5.68E-09	2.23E-09
2969	478726.63, 3850021.93	2.66E-05	4.19E-09	1.65E-09	3.26E-05	5.13E-09	2.02E-09	2.86E-05	4.50E-09	1.77E-09
2970	478776.63, 3850021.93	2.70E-05	4.25E-09	1.67E-09	3.31E-05	5.21E-09	2.05E-09	2.90E-05	4.57E-09	1.80E-09
2971	478826.63, 3850021.93	2.75E-05	4.33E-09	1.70E-09	3.37E-05	5.30E-09	2.08E-09	2.95E-05	4.65E-09	1.83E-09
2972	478976.63, 3850021.93	2.92E-05	4.59E-09	1.80E-09	3.57E-05	5.63E-09	2.21E-09	3.13E-05	4.94E-09	1.94E-09
2973	478726.63, 3850071.93	2.66E-05	4.20E-09	1.65E-09	3.26E-05	5.14E-09	2.02E-09	2.86E-05	4.51E-09	1.77E-09
2974	478776.63, 3850071.93	2.71E-05	4.26E-09	1.67E-09	3.31E-05	5.22E-09	2.05E-09	2.91E-05	4.58E-09	1.80E-09
2975	478826.63, 3850071.93	2.75E-05	4.33E-09	1.70E-09	3.37E-05	5.31E-09	2.09E-09	2.96E-05	4.66E-09	1.83E-09
2976	478876.63, 3850071.93	2.80E-05	4.41E-09	1.73E-09	3.43E-05	5.40E-09	2.12E-09	3.01E-05	4.74E-09	1.86E-09
2977	478976.63, 3850071.93	2.91E-05	4.59E-09	1.80E-09	3.57E-05	5.62E-09	2.21E-09	3.13E-05	4.93E-09	1.94E-09
2978	478726.63, 3850121.93	2.67E-05	4.21E-09	1.66E-09	3.28E-05	5.16E-09	2.03E-09	2.87E-05	4.53E-09	1.78E-09
2979	478776.63, 3850121.93	2.72E-05	4.28E-09	1.68E-09	3.33E-05	5.25E-09	2.06E-09	2.92E-05	4.60E-09	1.81E-09
2980	478826.63, 3850121.93	2.76E-05	4.35E-09	1.71E-09	3.38E-05	5.33E-09	2.09E-09	2.97E-05	4.67E-09	1.84E-09
2981	478876.63, 3850121.93	2.80E-05	4.42E-09	1.73E-09	3.43E-05	5.41E-09	2.13E-09	3.01E-05	4.75E-09	1.86E-09
2982	478976.63, 3850121.93	2.92E-05	4.59E-09	1.80E-09	3.57E-05	5.63E-09	2.21E-09	3.13E-05	4.94E-09	1.94E-09
2983	479026.63, 3850121.93	2.97E-05	4.68E-09	1.84E-09	3.64E-05	5.73E-09	2.25E-09	3.19E-05	5.03E-09	1.98E-09
2984	479076.63, 3850121.93	3.02E-05	4.76E-09	1.87E-09	3.70E-05	5.83E-09	2.29E-09	3.25E-05	5.12E-09	2.01E-09
2985	479126.63, 3850121.93	3.08E-05	4.85E-09	1.90E-09	3.77E-05	5.94E-09	2.33E-09	3.31E-05	5.21E-09	2.05E-09
2986	478776.63, 3850171.93	2.73E-05	4.29E-09	1.69E-09	3.34E-05	5.26E-09	2.07E-09	2.93E-05	4.61E-09	1.81E-09

2987	478826.63, 3850171.93	2.76E-05	4.36E-09	1.71E-09	3.39E-05	5.34E-09	2.10E-09	2.97E-05	4.68E-09	1.84E-09
2988	478876.63, 3850171.93	2.81E-05	4.42E-09	1.74E-09	3.44E-05	5.42E-09	2.13E-09	3.02E-05	4.75E-09	1.87E-09
2989	478976.63, 3850171.93	2.92E-05	4.59E-09	1.80E-09	3.57E-05	5.63E-09	2.21E-09	3.13E-05	4.94E-09	1.94E-09
2990	479026.63, 3850171.93	2.97E-05	4.68E-09	1.84E-09	3.64E-05	5.74E-09	2.25E-09	3.20E-05	5.03E-09	1.98E-09
2991	479076.63, 3850171.93	3.03E-05	4.77E-09	1.87E-09	3.71E-05	5.84E-09	2.29E-09	3.25E-05	5.12E-09	2.01E-09
2992	479126.63, 3850171.93	3.08E-05	4.85E-09	1.91E-09	3.77E-05	5.94E-09	2.33E-09	3.31E-05	5.21E-09	2.05E-09
2993	479176.63, 3850171.93	3.14E-05	4.95E-09	1.94E-09	3.85E-05	6.06E-09	2.38E-09	3.37E-05	5.32E-09	2.09E-09
2994	479226.63, 3850171.93	3.22E-05	5.07E-09	1.99E-09	3.94E-05	6.21E-09	2.44E-09	3.46E-05	5.45E-09	2.14E-09
2995	479276.63, 3850171.93	3.29E-05	5.19E-09	2.04E-09	4.03E-05	6.35E-09	2.50E-09	3.54E-05	5.57E-09	2.19E-09
2996	479326.63, 3850171.93	3.34E-05	5.27E-09	2.07E-09	4.09E-05	6.45E-09	2.53E-09	3.59E-05	5.66E-09	2.22E-09
2997	479376.63, 3850171.93	3.39E-05	5.34E-09	2.10E-09	4.15E-05	6.54E-09	2.57E-09	3.64E-05	5.74E-09	2.25E-09
2998	478676.63, 3850221.93	2.66E-05	4.19E-09	1.64E-09	3.25E-05	5.13E-09	2.01E-09	2.86E-05	4.50E-09	1.77E-09
2999	478726.63, 3850221.93	2.70E-05	4.25E-09	1.67E-09	3.30E-05	5.21E-09	2.04E-09	2.90E-05	4.57E-09	1.79E-09
3000	478976.63, 3850221.93	2.92E-05	4.60E-09	1.81E-09	3.58E-05	5.64E-09	2.21E-09	3.14E-05	4.95E-09	1.94E-09
3001	479026.63, 3850221.93	2.98E-05	4.69E-09	1.84E-09	3.65E-05	5.74E-09	2.26E-09	3.20E-05	5.04E-09	1.98E-09
3002	479076.63, 3850221.93	3.03E-05	4.77E-09	1.87E-09	3.71E-05	5.84E-09	2.30E-09	3.25E-05	5.13E-09	2.01E-09
3003	479126.63, 3850221.93	3.08E-05	4.86E-09	1.91E-09	3.78E-05	5.95E-09	2.34E-09	3.31E-05	5.22E-09	2.05E-09
3004	479176.63, 3850221.93	3.15E-05	4.96E-09	1.95E-09	3.86E-05	6.08E-09	2.39E-09	3.39E-05	5.33E-09	2.10E-09
3005	479226.63, 3850221.93	3.22E-05	5.07E-09	1.99E-09	3.94E-05	6.21E-09	2.44E-09	3.46E-05	5.45E-09	2.14E-09
3006	479276.63, 3850221.93	3.29E-05	5.18E-09	2.03E-09	4.03E-05	6.34E-09	2.49E-09	3.53E-05	5.56E-09	2.19E-09
3007	479326.63, 3850221.93	3.34E-05	5.26E-09	2.07E-09	4.09E-05	6.44E-09	2.53E-09	3.59E-05	5.65E-09	2.22E-09
3008	479376.63, 3850221.93	3.39E-05	5.35E-09	2.10E-09	4.16E-05	6.55E-09	2.57E-09	3.65E-05	5.74E-09	2.26E-09
3009	478676.63, 3850271.93	2.68E-05	4.22E-09	1.66E-09	3.28E-05	5.17E-09	2.03E-09	2.88E-05	4.53E-09	1.78E-09
3010	478726.63, 3850271.93	2.71E-05	4.28E-09	1.68E-09	3.33E-05	5.24E-09	2.06E-09	2.92E-05	4.60E-09	1.81E-09
3011	478976.63, 3850271.93	2.92E-05	4.61E-09	1.81E-09	3.58E-05	5.64E-09	2.22E-09	3.14E-05	4.95E-09	1.95E-09
3012	479026.63, 3850271.93	2.98E-05	4.69E-09	1.84E-09	3.65E-05	5.75E-09	2.26E-09	3.20E-05	5.04E-09	1.98E-09
3013	479076.63, 3850271.93	3.03E-05	4.78E-09	1.88E-09	3.71E-05	5.85E-09	2.30E-09	3.26E-05	5.13E-09	2.02E-09
3014	479126.63, 3850271.93	3.09E-05	4.86E-09	1.91E-09	3.78E-05	5.96E-09	2.34E-09	3.32E-05	5.23E-09	2.05E-09
3015	479176.63, 3850271.93	3.15E-05	4.96E-09	1.95E-09	3.86E-05	6.08E-09	2.39E-09	3.38E-05	5.33E-09	2.09E-09
3016	479226.63, 3850271.93	3.21E-05	5.06E-09	1.99E-09	3.94E-05	6.20E-09	2.44E-09	3.45E-05	5.44E-09	2.14E-09
3017	479276.63, 3850271.93	3.28E-05	5.16E-09	2.03E-09	4.01E-05	6.32E-09	2.48E-09	3.52E-05	5.55E-09	2.18E-09
3018	479326.63, 3850271.93	3.33E-05	5.25E-09	2.06E-09	4.08E-05	6.43E-09	2.53E-09	3.58E-05	5.64E-09	2.22E-09
3019	479376.63, 3850271.93	3.38E-05	5.33E-09	2.09E-09	4.14E-05	6.53E-09	2.56E-09	3.63E-05	5.73E-09	2.25E-09
3020	479053.24, 3850293.52	3.01E-05	4.74E-09	1.86E-09	3.69E-05	5.81E-09	2.28E-09	3.24E-05	5.10E-09	2.00E-09
3021	479103.24, 3850293.52	3.07E-05	4.83E-09	1.90E-09	3.76E-05	5.92E-09	2.32E-09	3.29E-05	5.19E-09	2.04E-09
3022	479153.24, 3850293.52	3.12E-05	4.91E-09	1.93E-09	3.82E-05	6.02E-09	2.36E-09	3.35E-05	5.28E-09	2.07E-09
3023	479203.24, 3850293.52	3.18E-05	5.02E-09	1.97E-09	3.90E-05	6.15E-09	2.41E-09	3.42E-05	5.39E-09	2.12E-09
3024	479253.24, 3850293.52	3.25E-05	5.12E-09	2.01E-09	3.98E-05	6.27E-09	2.46E-09	3.49E-05	5.50E-09	2.16E-09
3025	479303.24, 3850293.52	3.30E-05	5.20E-09	2.04E-09	4.04E-05	6.37E-09	2.50E-09	3.55E-05	5.59E-09	2.20E-09
3026	479353.24, 3850293.52	3.36E-05	5.29E-09	2.08E-09	4.11E-05	6.48E-09	2.54E-09	3.61E-05	5.68E-09	2.23E-09
3027	479153.24, 3850343.52	3.13E-05	4.92E-09	1.93E-09	3.83E-05	6.03E-09	2.37E-09	3.36E-05	5.29E-09	2.08E-09
3028	479203.24, 3850343.52	3.18E-05	5.02E-09	1.97E-09	3.90E-05	6.15E-09	2.41E-09	3.42E-05	5.39E-09	2.12E-09
3029	479253.24, 3850343.52	3.24E-05	5.10E-09	2.00E-09	3.97E-05	6.25E-09	2.46E-09	3.48E-05	5.48E-09	2.15E-09
3030	479303.24, 3850343.52	3.29E-05	5.19E-09	2.04E-09	4.03E-05	6.35E-09	2.50E-09	3.54E-05	5.57E-09	2.19E-09
3031	479353.24, 3850343.52	3.34E-05	5.27E-09	2.07E-09	4.10E-05	6.46E-09	2.54E-09	3.59E-05	5.66E-09	2.22E-09
3032	479203.24, 3850393.52	3.18E-05	5.01E-09	1.97E-09	3.89E-05	6.13E-09	2.41E-09	3.42E-05	5.38E-09	2.11E-09
3033	479253.24, 3850393.52	3.23E-05	5.09E-09	2.00E-09	3.96E-05	6.24E-09	2.45E-09	3.47E-05	5.47E-09	2.15E-09
3034	479303.24, 3850393.52	3.29E-05	5.18E-09	2.03E-09	4.03E-05	6.34E-09	2.49E-09	3.53E-05	5.56E-09	2.19E-09
3035	479353.24, 3850393.52	3.34E-05	5.26E-09	2.07E-09	4.09E-05	6.45E-09	2.53E-09	3.59E-05	5.65E-09	2.22E-09
3036	479403.24, 3850393.52	3.39E-05	5.35E-09	2.10E-09	4.16E-05	6.55E-09	2.57E-09	3.65E-05	5.75E-09	2.26E-09
3037	479453.24, 3850393.52	3.45E-05	5.43E-09	2.13E-09	4.22E-05	6.65E-09	2.61E-09	3.70E-05	5.83E-09	2.29E-09
3038	479503.24, 3850393.52	3.49E-05	5.50E-09	2.16E-09	4.28E-05	6.74E-09	2.65E-09	3.75E-05	5.91E-09	2.32E-09
3039	479303.24, 3850443.52	3.28E-05	5.16E-09	2.03E-09	4.01E-05	6.32E-09	2.48E-09	3.52E-05	5.55E-09	2.18E-09
3040	479353.24, 3850443.52	3.33E-05	5.24E-09	2.06E-09	4.08E-05	6.42E-09	2.52E-09	3.58E-05	5.63E-09	2.21E-09
3041	479403.24, 3850443.52	3.38E-05	5.32E-09	2.09E-09	4.14E-05	6.52E-09	2.56E-09	3.63E-05	5.72E-09	2.25E-09
3042	479453.24, 3850443.52	3.43E-05	5.40E-09	2.12E-09	4.20E-05	6.62E-09	2.60E-09	3.69E-05	5.81E-09	2.28E-09
3043	479503.24, 3850443.52	3.48E-05	5.48E-09	2.15E-09	4.26E-05	6.71E-09	2.64E-09	3.74E-05	5.89E-09	2.31E-09
3044	480327.18, 3850987.04	4.60E-05	7.24E-09	2.84E-09	5.63E-05	8.87E-09	3.48E-09	4.94E-05	7.78E-09	3.06E-09
3045	480377.18, 3850987.04	4.66E-05	7.34E-09	2.88E-09	5.71E-05	8.99E-09	3.53E-09	5.00E-05	7.88E-09	3.10E-09
3046	480427.18, 3850987.04	4.72E-05	7.43E-09	2.92E-09	5.78E-05	9.10E-09	3.58E-09	5.07E-05	7.98E-09	3.14E-09
3047	480477.18, 3850987.04	4.77E-05	7.51E-09	2.95E-09	5.84E-05	9.20E-09	3.62E-09	5.12E-05	8.07E-09	3.17E-09
3048	480327.18, 3851037.04	4.60E-05	7.25E-09	2.85E-09	5.64E-05	8.88E-09	3.49E-09	4.94E-05	7.79E-09	3.06E-09
3049	480377.18, 3851037.04	4.67E-05	7.36E-09	2.89E-09	5.72E-05	9.01E-09	3.54E-09	5.02E-05	7.91E-09	3.11E-09
3050	480427.18, 3851037.04	4.74E-05	7.46E-09	2.93E-09	5.80E-05	9.14E-09	3.59E-09	5.09E-05	8.02E-09	3.15E-09
3051	480477.18, 3851037.04	4.80E-05	7.56E-09	2.97E-09	5.88E-05	9.26E-09	3.64E-09	5.15E-05	8.12E-09	3.19E-09

3052	480622.06, 3851087.39	4.98E-05	7.85E-09	3.08E-09	6.10E-05	9.61E-09	3.78E-09	5.35E-05	8.43E-09	3.31E-09
3053	480672.06, 3851087.39	5.03E-05	7.92E-09	3.11E-09	6.16E-05	9.70E-09	3.81E-09	5.40E-05	8.51E-09	3.34E-09
3054	480622.06, 3851137.39	5.02E-05	7.90E-09	3.10E-09	6.15E-05	9.68E-09	3.80E-09	5.39E-05	8.49E-09	3.34E-09
3055	480672.06, 3851137.39	5.07E-05	7.99E-09	3.14E-09	6.21E-05	9.78E-09	3.84E-09	5.45E-05	8.58E-09	3.37E-09
3056	480722.06, 3851137.39	5.12E-05	8.06E-09	3.17E-09	6.27E-05	9.88E-09	3.88E-09	5.50E-05	8.66E-09	3.40E-09
3057	480622.06, 3851187.39	5.04E-05	7.95E-09	3.12E-09	6.18E-05	9.73E-09	3.82E-09	5.42E-05	8.54E-09	3.35E-09
3058	480672.06, 3851187.39	5.10E-05	8.04E-09	3.16E-09	6.25E-05	9.85E-09	3.87E-09	5.48E-05	8.64E-09	3.39E-09
3059	480722.06, 3851187.39	5.16E-05	8.13E-09	3.19E-09	6.32E-05	9.96E-09	3.91E-09	5.54E-05	8.73E-09	3.43E-09
3060	471363.09, 3845877.25	7.13E-06	1.12E-09	4.41E-10	8.73E-06	1.38E-09	5.40E-10	7.65E-06	1.21E-09	4.74E-10
3061	471863.09, 3845877.25	6.83E-06	1.08E-09	4.23E-10	8.37E-06	1.32E-09	5.18E-10	7.34E-06	1.16E-09	4.54E-10
3062	472363.09, 3845877.25	7.44E-06	1.17E-09	4.60E-10	9.11E-06	1.44E-09	5.64E-10	7.99E-06	1.26E-09	4.94E-10
3063	472863.09, 3845877.25	6.26E-06	9.86E-10	3.87E-10	7.67E-06	1.21E-09	4.75E-10	6.72E-06	1.06E-09	4.16E-10
3064	473363.09, 3845877.25	6.12E-06	9.64E-10	3.79E-10	7.49E-06	1.18E-09	4.64E-10	6.57E-06	1.04E-09	4.07E-10
3065	473863.09, 3845877.25	6.42E-06	1.01E-09	3.97E-10	7.86E-06	1.24E-09	4.86E-10	6.89E-06	1.09E-09	4.26E-10
3066	474363.09, 3845877.25	7.59E-06	1.20E-09	4.70E-10	9.30E-06	1.47E-09	5.76E-10	8.16E-06	1.29E-09	5.05E-10
3067	474863.09, 3845877.25	9.63E-06	1.52E-09	5.96E-10	1.18E-05	1.86E-09	7.30E-10	1.03E-05	1.63E-09	6.40E-10
3068	475363.09, 3845877.25	1.22E-05	1.92E-09	7.53E-10	1.49E-05	2.35E-09	9.23E-10	1.31E-05	2.06E-09	8.09E-10
3069	475863.09, 3845877.25	1.27E-05	2.00E-09	7.85E-10	1.55E-05	2.45E-09	9.62E-10	1.36E-05	2.15E-09	8.43E-10
3070	476363.09, 3845877.25	1.17E-05	1.85E-09	7.27E-10	1.44E-05	2.27E-09	8.90E-10	1.26E-05	1.99E-09	7.81E-10
3071	476863.09, 3845877.25	1.06E-05	1.67E-09	6.55E-10	1.30E-05	2.04E-09	8.02E-10	1.14E-05	1.79E-09	7.04E-10
3072	477363.09, 3845877.25	8.88E-06	1.40E-09	5.50E-10	1.09E-05	1.71E-09	6.74E-10	9.54E-06	1.50E-09	5.91E-10
3073	477863.09, 3845877.25	7.72E-06	1.22E-09	4.78E-10	9.46E-06	1.49E-09	5.85E-10	8.29E-06	1.31E-09	5.13E-10
3074	478363.09, 3845877.25	7.44E-06	1.17E-09	4.60E-10	9.11E-06	1.44E-09	5.64E-10	8.00E-06	1.26E-09	4.95E-10
3075	478863.09, 3845877.25	7.13E-06	1.12E-09	4.41E-10	8.74E-06	1.38E-09	5.41E-10	7.66E-06	1.21E-09	4.74E-10
3076	479363.09, 3845877.25	6.87E-06	1.08E-09	4.25E-10	8.41E-06	1.33E-09	5.21E-10	7.38E-06	1.16E-09	4.57E-10
3077	479863.09, 3845877.25	6.64E-06	1.05E-09	4.11E-10	8.13E-06	1.28E-09	5.03E-10	7.13E-06	1.12E-09	4.42E-10
3078	480363.09, 3845877.25	5.60E-06	8.83E-10	3.47E-10	6.86E-06	1.08E-09	4.25E-10	6.02E-06	9.48E-10	3.73E-10
3079	480863.09, 3845877.25	5.06E-06	7.98E-10	3.13E-10	6.20E-06	9.77E-10	3.84E-10	5.44E-06	8.57E-10	3.37E-10
3080	481363.09, 3845877.25	4.67E-06	7.36E-10	2.89E-10	5.73E-06	9.02E-10	3.54E-10	5.02E-06	7.91E-10	3.11E-10
3081	481863.09, 3845877.25	4.19E-06	6.59E-10	2.59E-10	5.13E-06	8.08E-10	3.17E-10	4.50E-06	7.08E-10	2.78E-10
3082	482363.09, 3845877.25	3.76E-06	5.93E-10	2.33E-10	4.61E-06	7.26E-10	2.85E-10	4.05E-06	6.37E-10	2.50E-10
3083	482863.09, 3845877.25	3.05E-06	4.81E-10	1.89E-10	3.74E-06	5.89E-10	2.31E-10	3.28E-06	5.16E-10	2.03E-10
3084	483363.09, 3845877.25	2.80E-06	4.41E-10	1.73E-10	3.43E-06	5.41E-10	2.12E-10	3.01E-06	4.74E-10	1.86E-10
3085	483863.09, 3845877.25	3.18E-06	5.01E-10	1.97E-10	3.90E-06	6.14E-10	2.41E-10	3.42E-06	5.38E-10	2.11E-10
3086	484363.09, 3845877.25	3.12E-06	4.92E-10	1.93E-10	3.82E-06	6.03E-10	2.37E-10	3.35E-06	5.28E-10	2.08E-10
3087	484863.09, 3845877.25	2.97E-06	4.67E-10	1.84E-10	3.63E-06	5.72E-10	2.25E-10	3.19E-06	5.02E-10	1.97E-10
3088	485363.09, 3845877.25	2.79E-06	4.40E-10	1.73E-10	3.42E-06	5.39E-10	2.12E-10	3.00E-06	4.73E-10	1.86E-10
3089	485863.09, 3845877.25	2.74E-06	4.32E-10	1.70E-10	3.36E-06	5.29E-10	2.08E-10	2.94E-06	4.64E-10	1.82E-10
3090	486363.09, 3845877.25	2.61E-06	4.11E-10	1.62E-10	3.20E-06	5.04E-10	1.98E-10	2.80E-06	4.42E-10	1.74E-10
3091	486863.09, 3845877.25	2.42E-06	3.81E-10	1.50E-10	2.97E-06	4.67E-10	1.84E-10	2.60E-06	4.10E-10	1.61E-10
3092	487363.09, 3845877.25	2.37E-06	3.73E-10	1.47E-10	2.90E-06	4.57E-10	1.79E-10	2.54E-06	4.00E-10	1.57E-10
3093	487863.09, 3845877.25	2.21E-06	3.48E-10	1.37E-10	2.71E-06	4.26E-10	1.68E-10	2.37E-06	3.74E-10	1.47E-10
3094	488363.09, 3845877.25	2.13E-06	3.35E-10	1.32E-10	2.61E-06	4.11E-10	1.61E-10	2.28E-06	3.60E-10	1.41E-10
3095	488863.09, 3845877.25	2.34E-06	3.69E-10	1.45E-10	2.87E-06	4.52E-10	1.78E-10	2.52E-06	3.97E-10	1.56E-10
3096	489363.09, 3845877.25	2.34E-06	3.69E-10	1.45E-10	2.87E-06	4.51E-10	1.77E-10	2.51E-06	3.96E-10	1.56E-10
3097	489863.09, 3845877.25	2.24E-06	3.53E-10	1.39E-10	2.75E-06	4.33E-10	1.70E-10	2.41E-06	3.79E-10	1.49E-10
3098	490363.09, 3845877.25	2.13E-06	3.36E-10	1.32E-10	2.61E-06	4.11E-10	1.62E-10	2.29E-06	3.60E-10	1.42E-10
3099	490863.09, 3845877.25	1.92E-06	3.03E-10	1.19E-10	2.35E-06	3.71E-10	1.46E-10	2.06E-06	3.25E-10	1.28E-10
3100	491363.09, 3845877.25	2.10E-06	3.31E-10	1.30E-10	2.58E-06	4.06E-10	1.59E-10	2.26E-06	3.56E-10	1.40E-10
3101	491863.09, 3845877.25	2.26E-06	3.56E-10	1.40E-10	2.77E-06	4.36E-10	1.71E-10	2.43E-06	3.82E-10	1.50E-10
3102	492363.09, 3845877.25	2.14E-06	3.37E-10	1.32E-10	2.62E-06	4.12E-10	1.62E-10	2.29E-06	3.61E-10	1.42E-10
3103	492863.09, 3845877.25	2.45E-06	3.85E-10	1.51E-10	3.00E-06	4.72E-10	1.85E-10	2.63E-06	4.14E-10	1.63E-10
3104	493363.09, 3845877.25	2.64E-06	4.17E-10	1.64E-10	3.24E-06	5.10E-10	2.00E-10	2.84E-06	4.47E-10	1.76E-10
3105	493863.09, 3845877.25	2.88E-06	4.53E-10	1.78E-10	3.52E-06	5.55E-10	2.18E-10	3.09E-06	4.87E-10	1.91E-10
3106	494363.09, 3845877.25	3.07E-06	4.84E-10	1.90E-10	3.76E-06	5.93E-10	2.33E-10	3.30E-06	5.20E-10	2.04E-10
3107	494863.09, 3845877.25	3.25E-06	5.12E-10	2.01E-10	3.98E-06	6.27E-10	2.46E-10	3.49E-06	5.50E-10	2.16E-10
3108	495363.09, 3845877.25	3.49E-06	5.49E-10	2.16E-10	4.27E-06	6.73E-10	2.64E-10	3.74E-06	5.90E-10	2.32E-10
3109	495863.09, 3845877.25	3.75E-06	5.90E-10	2.32E-10	4.59E-06	7.23E-10	2.84E-10	4.02E-06	6.34E-10	2.49E-10
3110	496363.09, 3845877.25	4.03E-06	6.35E-10	2.49E-10	4.94E-06	7.78E-10	3.05E-10	4.33E-06	6.82E-10	2.68E-10
3111	496863.09, 3845877.25	4.25E-06	6.69E-10	2.63E-10	5.21E-06	8.20E-10	3.22E-10	4.56E-06	7.19E-10	2.82E-10
3112	497363.09, 3845877.25	4.47E-06	7.03E-10	2.76E-10	5.47E-06	8.62E-10	3.39E-10	4.79E-06	7.55E-10	2.97E-10
3113	497863.09, 3845877.25	4.74E-06	7.47E-10	2.93E-10	5.81E-06	9.15E-10	3.59E-10	5.09E-06	8.02E-10	3.15E-10
3114	498363.09, 3845877.25	5.00E-06	7.87E-10	3.09E-10	6.12E-06	9.64E-10	3.79E-10	5.37E-06	8.45E-10	3.32E-10
3115	471363.09, 3846377.25	1.07E-05	1.68E-09	6.62E-10	1.31E-05	2.06E-09	8.10E-10	1.15E-05	1.81E-09	7.11E-10
3116	471863.09, 3846377.25	9.95E-06	1.57E-09	6.16E-10	1.22E-05	1.92E-09	7.54E-10	1.07E-05	1.68E-09	6.61E-10

3117	472363.09, 3846377.25	7.40E-06	1.17E-09	4.58E-10	9.07E-06	1.43E-09	5.61E-10	7.95E-06	1.25E-09	4.92E-10
3118	472863.09, 3846377.25	7.50E-06	1.18E-09	4.64E-10	9.19E-06	1.45E-09	5.68E-10	8.05E-06	1.27E-09	4.98E-10
3119	473363.09, 3846377.25	7.40E-06	1.17E-09	4.58E-10	9.06E-06	1.43E-09	5.61E-10	7.95E-06	1.25E-09	4.92E-10
3120	473863.09, 3846377.25	7.45E-06	1.17E-09	4.61E-10	9.13E-06	1.44E-09	5.65E-10	8.00E-06	1.26E-09	4.95E-10
3121	474363.09, 3846377.25	7.77E-06	1.22E-09	4.81E-10	9.52E-06	1.50E-09	5.89E-10	8.34E-06	1.31E-09	5.16E-10
3122	474863.09, 3846377.25	9.01E-06	1.42E-09	5.58E-10	1.10E-05	1.74E-09	6.83E-10	9.68E-06	1.52E-09	5.99E-10
3123	475363.09, 3846377.25	1.12E-05	1.76E-09	6.92E-10	1.37E-05	2.16E-09	8.48E-10	1.20E-05	1.89E-09	7.43E-10
3124	475863.09, 3846377.25	1.39E-05	2.19E-09	8.61E-10	1.70E-05	2.68E-09	1.05E-09	1.49E-05	2.35E-09	9.24E-10
3125	476363.09, 3846377.25	1.39E-05	2.20E-09	8.63E-10	1.71E-05	2.69E-09	1.06E-09	1.50E-05	2.36E-09	9.27E-10
3126	476863.09, 3846377.25	1.29E-05	2.03E-09	7.97E-10	1.58E-05	2.49E-09	9.77E-10	1.38E-05	2.18E-09	8.56E-10
3127	477363.09, 3846377.25	1.16E-05	1.83E-09	7.18E-10	1.42E-05	2.24E-09	8.80E-10	1.25E-05	1.96E-09	7.72E-10
3128	477863.09, 3846377.25	9.45E-06	1.49E-09	5.85E-10	1.16E-05	1.82E-09	7.16E-10	1.01E-05	1.60E-09	6.28E-10
3129	478363.09, 3846377.25	8.55E-06	1.35E-09	5.29E-10	1.05E-05	1.65E-09	6.48E-10	9.18E-06	1.45E-09	5.68E-10
3130	478863.09, 3846377.25	8.55E-06	1.35E-09	5.29E-10	1.05E-05	1.65E-09	6.48E-10	9.18E-06	1.45E-09	5.68E-10
3131	479363.09, 3846377.25	8.20E-06	1.29E-09	5.07E-10	1.00E-05	1.58E-09	6.22E-10	8.81E-06	1.39E-09	5.45E-10
3132	479863.09, 3846377.25	7.42E-06	1.17E-09	4.59E-10	9.09E-06	1.43E-09	5.62E-10	7.97E-06	1.26E-09	4.93E-10
3133	480363.09, 3846377.25	7.27E-06	1.15E-09	4.50E-10	8.91E-06	1.40E-09	5.51E-10	7.81E-06	1.23E-09	4.84E-10
3134	480863.09, 3846377.25	5.96E-06	9.39E-10	3.69E-10	7.30E-06	1.15E-09	4.52E-10	6.40E-06	1.01E-09	3.96E-10
3135	481363.09, 3846377.25	5.61E-06	8.84E-10	3.47E-10	6.87E-06	1.08E-09	4.25E-10	6.02E-06	9.49E-10	3.73E-10
3136	481863.09, 3846377.25	4.99E-06	7.86E-10	3.09E-10	6.11E-06	9.62E-10	3.78E-10	5.36E-06	8.44E-10	3.31E-10
3137	482363.09, 3846377.25	4.29E-06	6.76E-10	2.66E-10	5.26E-06	8.28E-10	3.25E-10	4.61E-06	7.27E-10	2.86E-10
3138	482863.09, 3846377.25	3.64E-06	5.73E-10	2.25E-10	4.46E-06	7.02E-10	2.76E-10	3.91E-06	6.16E-10	2.42E-10
3139	483363.09, 3846377.25	3.82E-06	6.01E-10	2.36E-10	4.68E-06	7.37E-10	2.89E-10	4.10E-06	6.46E-10	2.54E-10
3140	483863.09, 3846377.25	3.65E-06	5.75E-10	2.26E-10	4.47E-06	7.05E-10	2.77E-10	3.92E-06	6.18E-10	2.43E-10
3141	484363.09, 3846377.25	3.26E-06	5.14E-10	2.02E-10	3.99E-06	6.29E-10	2.47E-10	3.50E-06	5.52E-10	2.17E-10
3142	484863.09, 3846377.25	3.49E-06	5.50E-10	2.16E-10	4.28E-06	6.74E-10	2.65E-10	3.75E-06	5.91E-10	2.32E-10
3143	485363.09, 3846377.25	3.42E-06	5.39E-10	2.12E-10	4.19E-06	6.60E-10	2.59E-10	3.67E-06	5.79E-10	2.27E-10
3144	485863.09, 3846377.25	3.09E-06	4.87E-10	1.91E-10	3.79E-06	5.97E-10	2.34E-10	3.32E-06	5.23E-10	2.06E-10
3145	486363.09, 3846377.25	2.61E-06	4.12E-10	1.62E-10	3.20E-06	5.05E-10	1.98E-10	2.81E-06	4.42E-10	1.74E-10
3146	486863.09, 3846377.25	2.50E-06	3.94E-10	1.55E-10	3.06E-06	4.83E-10	1.90E-10	2.69E-06	4.23E-10	1.66E-10
3147	487363.09, 3846377.25	2.52E-06	3.98E-10	1.56E-10	3.09E-06	4.87E-10	1.91E-10	2.71E-06	4.27E-10	1.68E-10
3148	487863.09, 3846377.25	2.70E-06	4.25E-10	1.67E-10	3.30E-06	5.21E-10	2.05E-10	2.90E-06	4.56E-10	1.79E-10
3149	488363.09, 3846377.25	2.62E-06	4.12E-10	1.62E-10	3.20E-06	5.05E-10	1.98E-10	2.81E-06	4.43E-10	1.74E-10
3150	488863.09, 3846377.25	2.62E-06	4.13E-10	1.62E-10	3.21E-06	5.06E-10	1.99E-10	2.81E-06	4.43E-10	1.74E-10
3151	489363.09, 3846377.25	2.57E-06	4.05E-10	1.59E-10	3.15E-06	4.97E-10	1.95E-10	2.76E-06	4.36E-10	1.71E-10
3152	489863.09, 3846377.25	2.48E-06	3.91E-10	1.53E-10	3.04E-06	4.79E-10	1.88E-10	2.66E-06	4.20E-10	1.65E-10
3153	490363.09, 3846377.25	2.23E-06	3.52E-10	1.38E-10	2.74E-06	4.31E-10	1.69E-10	2.40E-06	3.78E-10	1.48E-10
3154	490863.09, 3846377.25	2.18E-06	3.44E-10	1.35E-10	2.67E-06	4.21E-10	1.65E-10	2.34E-06	3.69E-10	1.45E-10
3155	491363.09, 3846377.25	2.24E-06	3.53E-10	1.39E-10	2.75E-06	4.33E-10	1.70E-10	2.41E-06	3.79E-10	1.49E-10
3156	491863.09, 3846377.25	2.51E-06	3.96E-10	1.56E-10	3.08E-06	4.85E-10	1.91E-10	2.70E-06	4.25E-10	1.67E-10
3157	492363.09, 3846377.25	2.54E-06	4.01E-10	1.57E-10	3.12E-06	4.91E-10	1.93E-10	2.73E-06	4.30E-10	1.69E-10
3158	492863.09, 3846377.25	2.67E-06	4.20E-10	1.65E-10	3.26E-06	5.14E-10	2.02E-10	2.86E-06	4.51E-10	1.77E-10
3159	493363.09, 3846377.25	2.98E-06	4.69E-10	1.84E-10	3.65E-06	5.75E-10	2.26E-10	3.20E-06	5.04E-10	1.98E-10
3160	493863.09, 3846377.25	3.23E-06	5.09E-10	2.00E-10	3.96E-06	6.23E-10	2.45E-10	3.47E-06	5.47E-10	2.15E-10
3161	494363.09, 3846377.25	3.47E-06	5.46E-10	2.15E-10	4.25E-06	6.69E-10	2.63E-10	3.72E-06	5.87E-10	2.30E-10
3162	494863.09, 3846377.25	3.70E-06	5.83E-10	2.29E-10	4.53E-06	7.14E-10	2.81E-10	3.98E-06	6.26E-10	2.46E-10
3163	495363.09, 3846377.25	3.96E-06	6.24E-10	2.45E-10	4.85E-06	7.64E-10	3.00E-10	4.25E-06	6.70E-10	2.63E-10
3164	495863.09, 3846377.25	4.29E-06	6.75E-10	2.65E-10	5.25E-06	8.27E-10	3.25E-10	4.60E-06	7.25E-10	2.85E-10
3165	496363.09, 3846377.25	4.61E-06	7.26E-10	2.85E-10	5.64E-06	8.89E-10	3.49E-10	4.95E-06	7.79E-10	3.06E-10
3166	496863.09, 3846377.25	4.94E-06	7.78E-10	3.06E-10	6.05E-06	9.53E-10	3.74E-10	5.30E-06	8.35E-10	3.28E-10
3167	497363.09, 3846377.25	5.25E-06	8.28E-10	3.25E-10	6.44E-06	1.01E-09	3.98E-10	5.64E-06	8.89E-10	3.49E-10
3168	497863.09, 3846377.25	5.55E-06	8.75E-10	3.44E-10	6.80E-06	1.07E-09	4.21E-10	5.96E-06	9.39E-10	3.69E-10
3169	498363.09, 3846377.25	5.83E-06	9.18E-10	3.61E-10	7.14E-06	1.12E-09	4.42E-10	6.26E-06	9.86E-10	3.87E-10
3170	471363.09, 3846877.25	1.17E-05	1.84E-09	7.23E-10	1.43E-05	2.25E-09	8.85E-10	1.25E-05	1.98E-09	7.76E-10
3171	471863.09, 3846877.25	1.18E-05	1.85E-09	7.29E-10	1.44E-05	2.27E-09	8.92E-10	1.26E-05	1.99E-09	7.83E-10
3172	472363.09, 3846877.25	1.14E-05	1.79E-09	7.04E-10	1.39E-05	2.20E-09	8.63E-10	1.22E-05	1.93E-09	7.57E-10
3173	472863.09, 3846877.25	7.94E-06	1.25E-09	4.91E-10	9.72E-06	1.53E-09	6.02E-10	8.52E-06	1.34E-09	5.27E-10
3174	473363.09, 3846877.25	8.66E-06	1.36E-09	5.36E-10	1.06E-05	1.67E-09	6.56E-10	9.30E-06	1.46E-09	5.76E-10
3175	473863.09, 3846877.25	9.23E-06	1.45E-09	5.71E-10	1.13E-05	1.78E-09	6.99E-10	9.91E-06	1.56E-09	6.13E-10
3176	474363.09, 3846877.25	8.75E-06	1.38E-09	5.41E-10	1.07E-05	1.69E-09	6.63E-10	9.40E-06	1.48E-09	5.82E-10
3177	474863.09, 3846877.25	8.77E-06	1.38E-09	5.43E-10	1.07E-05	1.69E-09	6.65E-10	9.42E-06	1.48E-09	5.83E-10
3178	475363.09, 3846877.25	9.56E-06	1.51E-09	5.92E-10	1.17E-05	1.84E-09	7.25E-10	1.03E-05	1.62E-09	6.35E-10
3179	475863.09, 3846877.25	1.25E-05	1.97E-09	7.73E-10	1.53E-05	2.41E-09	9.46E-10	1.34E-05	2.11E-09	8.30E-10
3180	476363.09, 3846877.25	1.52E-05	2.40E-09	9.44E-10	1.87E-05	2.94E-09	1.16E-09	1.64E-05	2.58E-09	1.01E-09
3181	476863.09, 3846877.25	1.53E-05	2.41E-09	9.49E-10	1.88E-05	2.96E-09	1.16E-09	1.65E-05	2.59E-09	1.02E-09

3182	477363.09, 3846877.25	1.43E-05	2.25E-09	8.83E-10	1.75E-05	2.75E-09	1.08E-09	1.53E-05	2.42E-09	9.49E-10
3183	477863.09, 3846877.25	1.24E-05	1.96E-09	7.68E-10	1.52E-05	2.39E-09	9.41E-10	1.33E-05	2.10E-09	8.25E-10
3184	478363.09, 3846877.25	1.05E-05	1.66E-09	6.52E-10	1.29E-05	2.03E-09	7.99E-10	1.13E-05	1.78E-09	7.01E-10
3185	478863.09, 3846877.25	1.01E-05	1.60E-09	6.27E-10	1.24E-05	1.96E-09	7.68E-10	1.09E-05	1.72E-09	6.74E-10
3186	479363.09, 3846877.25	9.73E-06	1.53E-09	6.02E-10	1.19E-05	1.88E-09	7.37E-10	1.04E-05	1.65E-09	6.47E-10
3187	479863.09, 3846877.25	7.59E-06	1.20E-09	4.70E-10	9.30E-06	1.46E-09	5.75E-10	8.15E-06	1.28E-09	5.04E-10
3188	480363.09, 3846877.25	6.38E-06	1.01E-09	3.95E-10	7.82E-06	1.23E-09	4.84E-10	6.86E-06	1.08E-09	4.24E-10
3189	480863.09, 3846877.25	5.78E-06	9.11E-10	3.58E-10	7.08E-06	1.12E-09	4.38E-10	6.21E-06	9.79E-10	3.85E-10
3190	481363.09, 3846877.25	5.87E-06	9.25E-10	3.63E-10	7.19E-06	1.13E-09	4.45E-10	6.31E-06	9.94E-10	3.90E-10
3191	481863.09, 3846877.25	5.62E-06	8.86E-10	3.48E-10	6.89E-06	1.08E-09	4.26E-10	6.04E-06	9.51E-10	3.74E-10
3192	482363.09, 3846877.25	4.63E-06	7.30E-10	2.87E-10	5.67E-06	8.94E-10	3.51E-10	4.98E-06	7.84E-10	3.08E-10
3193	482863.09, 3846877.25	4.52E-06	7.11E-10	2.80E-10	5.53E-06	8.72E-10	3.42E-10	4.85E-06	7.64E-10	3.00E-10
3194	483363.09, 3846877.25	4.44E-06	7.00E-10	2.75E-10	5.44E-06	8.58E-10	3.37E-10	4.77E-06	7.52E-10	2.95E-10
3195	483863.09, 3846877.25	4.22E-06	6.65E-10	2.61E-10	5.17E-06	8.14E-10	3.20E-10	4.53E-06	7.14E-10	2.81E-10
3196	484363.09, 3846877.25	4.07E-06	6.41E-10	2.52E-10	4.98E-06	7.85E-10	3.09E-10	4.37E-06	6.89E-10	2.71E-10
3197	484863.09, 3846877.25	3.90E-06	6.15E-10	2.42E-10	4.78E-06	7.53E-10	2.96E-10	4.19E-06	6.61E-10	2.60E-10
3198	485363.09, 3846877.25	3.83E-06	6.03E-10	2.37E-10	4.69E-06	7.39E-10	2.90E-10	4.11E-06	6.48E-10	2.55E-10
3199	485863.09, 3846877.25	3.50E-06	5.52E-10	2.17E-10	4.29E-06	6.76E-10	2.66E-10	3.76E-06	5.93E-10	2.33E-10
3200	486363.09, 3846877.25	3.53E-06	5.57E-10	2.19E-10	4.33E-06	6.82E-10	2.68E-10	3.80E-06	5.98E-10	2.35E-10
3201	486863.09, 3846877.25	3.09E-06	4.87E-10	1.91E-10	3.79E-06	5.96E-10	2.34E-10	3.32E-06	5.23E-10	2.05E-10
3202	487363.09, 3846877.25	3.11E-06	4.91E-10	1.93E-10	3.82E-06	6.01E-10	2.36E-10	3.35E-06	5.27E-10	2.07E-10
3203	487863.09, 3846877.25	3.01E-06	4.74E-10	1.86E-10	3.69E-06	5.81E-10	2.28E-10	3.23E-06	5.09E-10	2.00E-10
3204	488363.09, 3846877.25	2.91E-06	4.59E-10	1.80E-10	3.57E-06	5.62E-10	2.21E-10	3.13E-06	4.93E-10	1.94E-10
3205	488863.09, 3846877.25	2.91E-06	4.59E-10	1.80E-10	3.57E-06	5.62E-10	2.21E-10	3.13E-06	4.93E-10	1.94E-10
3206	489363.09, 3846877.25	2.89E-06	4.55E-10	1.79E-10	3.53E-06	5.57E-10	2.19E-10	3.10E-06	4.88E-10	1.92E-10
3207	489863.09, 3846877.25	2.82E-06	4.44E-10	1.74E-10	3.45E-06	5.44E-10	2.14E-10	3.03E-06	4.77E-10	1.87E-10
3208	490363.09, 3846877.25	2.59E-06	4.08E-10	1.60E-10	3.18E-06	5.00E-10	1.97E-10	2.78E-06	4.38E-10	1.72E-10
3209	490863.09, 3846877.25	2.60E-06	4.10E-10	1.61E-10	3.18E-06	5.02E-10	1.97E-10	2.79E-06	4.39E-10	1.73E-10
3210	491363.09, 3846877.25	2.67E-06	4.21E-10	1.65E-10	3.27E-06	5.16E-10	2.03E-10	2.87E-06	4.52E-10	1.78E-10
3211	491863.09, 3846877.25	2.66E-06	4.20E-10	1.65E-10	3.26E-06	5.14E-10	2.02E-10	2.86E-06	4.51E-10	1.77E-10
3212	492363.09, 3846877.25	3.04E-06	4.79E-10	1.88E-10	3.72E-06	5.86E-10	2.30E-10	3.26E-06	5.14E-10	2.02E-10
3213	492863.09, 3846877.25	3.22E-06	5.07E-10	1.99E-10	3.94E-06	6.21E-10	2.44E-10	3.45E-06	5.44E-10	2.14E-10
3214	493363.09, 3846877.25	3.49E-06	5.49E-10	2.16E-10	4.27E-06	6.73E-10	2.64E-10	3.75E-06	5.90E-10	2.32E-10
3215	493863.09, 3846877.25	3.72E-06	5.86E-10	2.30E-10	4.56E-06	7.18E-10	2.82E-10	4.00E-06	6.30E-10	2.47E-10
3216	494363.09, 3846877.25	3.92E-06	6.17E-10	2.42E-10	4.80E-06	7.56E-10	2.97E-10	4.21E-06	6.63E-10	2.60E-10
3217	494863.09, 3846877.25	4.20E-06	6.61E-10	2.60E-10	5.14E-06	8.10E-10	3.18E-10	4.51E-06	7.10E-10	2.79E-10
3218	495363.09, 3846877.25	4.47E-06	7.03E-10	2.76E-10	5.47E-06	8.62E-10	3.39E-10	4.79E-06	7.55E-10	2.97E-10
3219	495863.09, 3846877.25	4.77E-06	7.51E-10	2.95E-10	5.84E-06	9.20E-10	3.61E-10	5.12E-06	8.06E-10	3.17E-10
3220	496363.09, 3846877.25	5.10E-06	8.03E-10	3.16E-10	6.25E-06	9.84E-10	3.87E-10	5.47E-06	8.62E-10	3.39E-10
3221	496863.09, 3846877.25	5.51E-06	8.69E-10	3.41E-10	6.75E-06	1.06E-09	4.18E-10	5.92E-06	9.32E-10	3.66E-10
3222	497363.09, 3846877.25	6.07E-06	9.56E-10	3.75E-10	7.43E-06	1.17E-09	4.60E-10	6.51E-06	1.03E-09	4.03E-10
3223	497863.09, 3846877.25	6.58E-06	1.04E-09	4.07E-10	8.06E-06	1.27E-09	4.99E-10	7.06E-06	1.11E-09	4.37E-10
3224	498363.09, 3846877.25	6.84E-06	1.08E-09	4.23E-10	8.37E-06	1.32E-09	5.18E-10	7.34E-06	1.16E-09	4.54E-10
3225	471363.09, 3847377.25	1.25E-05	1.97E-09	7.74E-10	1.53E-05	2.41E-09	9.49E-10	1.34E-05	2.12E-09	8.32E-10
3226	471863.09, 3847377.25	1.27E-05	2.01E-09	7.89E-10	1.56E-05	2.46E-09	9.66E-10	1.37E-05	2.16E-09	8.47E-10
3227	472363.09, 3847377.25	1.29E-05	2.03E-09	7.99E-10	1.58E-05	2.49E-09	9.79E-10	1.39E-05	2.19E-09	8.58E-10
3228	472863.09, 3847377.25	1.26E-05	1.98E-09	7.77E-10	1.54E-05	2.42E-09	9.52E-10	1.35E-05	2.13E-09	8.35E-10
3229	473363.09, 3847377.25	1.05E-05	1.66E-09	6.53E-10	1.29E-05	2.04E-09	8.00E-10	1.13E-05	1.78E-09	7.01E-10
3230	473863.09, 3847377.25	1.04E-05	1.64E-09	6.45E-10	1.28E-05	2.01E-09	7.90E-10	1.12E-05	1.76E-09	6.93E-10
3231	474363.09, 3847377.25	1.08E-05	1.71E-09	6.71E-10	1.33E-05	2.09E-09	8.21E-10	1.16E-05	1.83E-09	7.20E-10
3232	474863.09, 3847377.25	1.00E-05	1.58E-09	6.20E-10	1.23E-05	1.93E-09	7.60E-10	1.08E-05	1.70E-09	6.67E-10
3233	475363.09, 3847377.25	9.45E-06	1.49E-09	5.85E-10	1.16E-05	1.82E-09	7.17E-10	1.02E-05	1.60E-09	6.29E-10
3234	475863.09, 3847377.25	1.12E-05	1.76E-09	6.91E-10	1.37E-05	2.16E-09	8.47E-10	1.20E-05	1.89E-09	7.42E-10
3235	476363.09, 3847377.25	1.48E-05	2.33E-09	9.15E-10	1.81E-05	2.85E-09	1.12E-09	1.59E-05	2.50E-09	9.83E-10
3236	476863.09, 3847377.25	1.70E-05	2.67E-09	1.05E-09	2.08E-05	3.28E-09	1.29E-09	1.82E-05	2.87E-09	1.13E-09
3237	477363.09, 3847377.25	1.74E-05	2.74E-09	1.08E-09	2.13E-05	3.36E-09	1.32E-09	1.87E-05	2.95E-09	1.16E-09
3238	477863.09, 3847377.25	1.58E-05	2.49E-09	9.77E-10	1.93E-05	3.04E-09	1.20E-09	1.69E-05	2.67E-09	1.05E-09
3239	478363.09, 3847377.25	1.40E-05	2.20E-09	8.63E-10	1.71E-05	2.69E-09	1.06E-09	1.50E-05	2.36E-09	9.28E-10
3240	478863.09, 3847377.25	1.24E-05	1.95E-09	7.66E-10	1.52E-05	2.39E-09	9.38E-10	1.33E-05	2.09E-09	8.22E-10
3241	479363.09, 3847377.25	9.93E-06	1.56E-09	6.14E-10	1.22E-05	1.92E-09	7.53E-10	1.07E-05	1.68E-09	6.60E-10
3242	479863.09, 3847377.25	7.38E-06	1.16E-09	4.57E-10	9.05E-06	1.43E-09	5.60E-10	7.93E-06	1.25E-09	4.91E-10
3243	480363.09, 3847377.25	5.05E-06	7.95E-10	3.12E-10	6.18E-06	9.74E-10	3.83E-10	5.42E-06	8.54E-10	3.35E-10
3244	480863.09, 3847377.25	4.48E-06	7.06E-10	2.77E-10	5.49E-06	8.64E-10	3.40E-10	4.81E-06	7.58E-10	2.98E-10
3245	481363.09, 3847377.25	4.91E-06	7.73E-10	3.04E-10	6.01E-06	9.47E-10	3.72E-10	5.27E-06	8.31E-10	3.26E-10
3246	481863.09, 3847377.25	6.22E-06	9.80E-10	3.85E-10	7.62E-06	1.20E-09	4.72E-10	6.68E-06	1.05E-09	4.14E-10

3247	482363.09, 3847377.25	5.79E-06	9.12E-10	3.58E-10	7.09E-06	1.12E-09	4.39E-10	6.22E-06	9.79E-10	3.85E-10
3248	482863.09, 3847377.25	5.28E-06	8.31E-10	3.27E-10	6.46E-06	1.02E-09	4.00E-10	5.67E-06	8.93E-10	3.51E-10
3249	483363.09, 3847377.25	5.02E-06	7.90E-10	3.10E-10	6.14E-06	9.68E-10	3.80E-10	5.39E-06	8.49E-10	3.33E-10
3250	483863.09, 3847377.25	4.82E-06	7.60E-10	2.98E-10	5.91E-06	9.30E-10	3.66E-10	5.18E-06	8.16E-10	3.21E-10
3251	484363.09, 3847377.25	4.92E-06	7.75E-10	3.04E-10	6.02E-06	9.49E-10	3.73E-10	5.28E-06	8.32E-10	3.27E-10
3252	484863.09, 3847377.25	4.61E-06	7.26E-10	2.85E-10	5.65E-06	8.89E-10	3.49E-10	4.95E-06	7.80E-10	3.07E-10
3253	485363.09, 3847377.25	4.43E-06	6.99E-10	2.74E-10	5.43E-06	8.56E-10	3.36E-10	4.76E-06	7.51E-10	2.95E-10
3254	485863.09, 3847377.25	4.27E-06	6.73E-10	2.64E-10	5.23E-06	8.24E-10	3.24E-10	4.59E-06	7.23E-10	2.84E-10
3255	486363.09, 3847377.25	4.18E-06	6.59E-10	2.59E-10	5.13E-06	8.07E-10	3.17E-10	4.50E-06	7.08E-10	2.78E-10
3256	486863.09, 3847377.25	3.76E-06	5.92E-10	2.33E-10	4.60E-06	7.25E-10	2.85E-10	4.04E-06	6.36E-10	2.50E-10
3257	487363.09, 3847377.25	3.72E-06	5.86E-10	2.30E-10	4.56E-06	7.18E-10	2.82E-10	4.00E-06	6.30E-10	2.47E-10
3258	487863.09, 3847377.25	3.42E-06	5.38E-10	2.12E-10	4.19E-06	6.60E-10	2.59E-10	3.67E-06	5.78E-10	2.27E-10
3259	488363.09, 3847377.25	3.35E-06	5.27E-10	2.07E-10	4.10E-06	6.45E-10	2.54E-10	3.59E-06	5.66E-10	2.22E-10
3260	488863.09, 3847377.25	3.30E-06	5.20E-10	2.04E-10	4.04E-06	6.37E-10	2.50E-10	3.54E-06	5.58E-10	2.19E-10
3261	489363.09, 3847377.25	3.30E-06	5.20E-10	2.04E-10	4.04E-06	6.37E-10	2.50E-10	3.54E-06	5.58E-10	2.19E-10
3262	489863.09, 3847377.25	3.18E-06	5.00E-10	1.97E-10	3.89E-06	6.13E-10	2.41E-10	3.41E-06	5.37E-10	2.11E-10
3263	490363.09, 3847377.25	3.11E-06	4.90E-10	1.93E-10	3.81E-06	6.01E-10	2.36E-10	3.34E-06	5.26E-10	2.07E-10
3264	490863.09, 3847377.25	3.17E-06	4.99E-10	1.96E-10	3.88E-06	6.12E-10	2.40E-10	3.40E-06	5.36E-10	2.11E-10
3265	491363.09, 3847377.25	3.20E-06	5.04E-10	1.98E-10	3.92E-06	6.17E-10	2.42E-10	3.43E-06	5.41E-10	2.13E-10
3266	491863.09, 3847377.25	3.49E-06	5.50E-10	2.16E-10	4.27E-06	6.73E-10	2.64E-10	3.75E-06	5.90E-10	2.32E-10
3267	492363.09, 3847377.25	3.57E-06	5.63E-10	2.21E-10	4.37E-06	6.89E-10	2.71E-10	3.83E-06	6.04E-10	2.37E-10
3268	492863.09, 3847377.25	3.84E-06	6.05E-10	2.38E-10	4.71E-06	7.41E-10	2.91E-10	4.13E-06	6.50E-10	2.55E-10
3269	493363.09, 3847377.25	4.06E-06	6.39E-10	2.51E-10	4.97E-06	7.83E-10	3.07E-10	4.36E-06	6.86E-10	2.70E-10
3270	493863.09, 3847377.25	4.19E-06	6.61E-10	2.59E-10	5.14E-06	8.09E-10	3.18E-10	4.50E-06	7.09E-10	2.79E-10
3271	494363.09, 3847377.25	4.35E-06	6.86E-10	2.70E-10	5.33E-06	8.40E-10	3.30E-10	4.68E-06	7.37E-10	2.89E-10
3272	494863.09, 3847377.25	4.61E-06	7.25E-10	2.85E-10	5.64E-06	8.89E-10	3.49E-10	4.94E-06	7.79E-10	3.06E-10
3273	495363.09, 3847377.25	4.89E-06	7.70E-10	3.02E-10	5.99E-06	9.43E-10	3.71E-10	5.25E-06	8.26E-10	3.25E-10
3274	495863.09, 3847377.25	5.22E-06	8.22E-10	3.23E-10	6.40E-06	1.01E-09	3.96E-10	5.60E-06	8.83E-10	3.47E-10
3275	496363.09, 3847377.25	5.55E-06	8.75E-10	3.44E-10	6.80E-06	1.07E-09	4.21E-10	5.96E-06	9.39E-10	3.69E-10
3276	496863.09, 3847377.25	6.09E-06	9.59E-10	3.77E-10	7.46E-06	1.17E-09	4.61E-10	6.53E-06	1.03E-09	4.04E-10
3277	497363.09, 3847377.25	6.82E-06	1.07E-09	4.22E-10	8.35E-06	1.32E-09	5.17E-10	7.32E-06	1.15E-09	4.53E-10
3278	497863.09, 3847377.25	7.68E-06	1.21E-09	4.76E-10	9.41E-06	1.48E-09	5.82E-10	8.25E-06	1.30E-09	5.11E-10
3279	498363.09, 3847377.25	8.09E-06	1.28E-09	5.01E-10	9.92E-06	1.56E-09	6.14E-10	8.69E-06	1.37E-09	5.38E-10
3280	471363.09, 3847877.25	1.34E-05	2.11E-09	8.31E-10	1.64E-05	2.59E-09	1.02E-09	1.44E-05	2.27E-09	8.92E-10
3281	471863.09, 3847877.25	1.38E-05	2.17E-09	8.52E-10	1.69E-05	2.66E-09	1.04E-09	1.48E-05	2.33E-09	9.16E-10
3282	472363.09, 3847877.25	1.40E-05	2.21E-09	8.68E-10	1.72E-05	2.71E-09	1.06E-09	1.51E-05	2.37E-09	9.32E-10
3283	472863.09, 3847877.25	1.42E-05	2.24E-09	8.78E-10	1.74E-05	2.74E-09	1.08E-09	1.52E-05	2.40E-09	9.44E-10
3284	473363.09, 3847877.25	1.44E-05	2.27E-09	8.90E-10	1.76E-05	2.77E-09	1.09E-09	1.54E-05	2.43E-09	9.56E-10
3285	473863.09, 3847877.25	1.38E-05	2.18E-09	8.55E-10	1.69E-05	2.67E-09	1.05E-09	1.48E-05	2.34E-09	9.19E-10
3286	474363.09, 3847877.25	1.21E-05	1.90E-09	7.46E-10	1.48E-05	2.33E-09	9.14E-10	1.30E-05	2.04E-09	8.02E-10
3287	474863.09, 3847877.25	1.25E-05	1.97E-09	7.73E-10	1.53E-05	2.41E-09	9.46E-10	1.34E-05	2.11E-09	8.30E-10
3288	475363.09, 3847877.25	1.14E-05	1.80E-09	7.08E-10	1.40E-05	2.21E-09	8.67E-10	1.23E-05	1.94E-09	7.61E-10
3289	475863.09, 3847877.25	1.06E-05	1.66E-09	6.53E-10	1.29E-05	2.04E-09	8.00E-10	1.13E-05	1.79E-09	7.02E-10
3290	476363.09, 3847877.25	1.32E-05	2.08E-09	8.17E-10	1.62E-05	2.55E-09	1.00E-09	1.42E-05	2.23E-09	8.78E-10
3291	476863.09, 3847877.25	1.64E-05	2.59E-09	1.02E-09	2.01E-05	3.17E-09	1.25E-09	1.77E-05	2.78E-09	1.09E-09
3292	477363.09, 3847877.25	1.94E-05	3.06E-09	1.20E-09	2.38E-05	3.75E-09	1.47E-09	2.09E-05	3.29E-09	1.29E-09
3293	477863.09, 3847877.25	1.97E-05	3.10E-09	1.22E-09	2.41E-05	3.80E-09	1.49E-09	2.11E-05	3.33E-09	1.31E-09
3294	478363.09, 3847877.25	1.78E-05	2.81E-09	1.10E-09	2.18E-05	3.44E-09	1.35E-09	1.92E-05	3.02E-09	1.19E-09
3295	478863.09, 3847877.25	1.54E-05	2.43E-09	9.53E-10	1.89E-05	2.97E-09	1.17E-09	1.65E-05	2.61E-09	1.02E-09
3296	479363.09, 3847877.25	1.03E-05	1.62E-09	6.36E-10	1.26E-05	1.98E-09	7.79E-10	1.10E-05	1.74E-09	6.83E-10
3297	479863.09, 3847877.25	5.97E-06	9.41E-10	3.70E-10	7.31E-06	1.15E-09	4.53E-10	6.42E-06	1.01E-09	3.97E-10
3298	480363.09, 3847877.25	6.17E-06	9.72E-10	3.82E-10	7.56E-06	1.19E-09	4.68E-10	6.63E-06	1.04E-09	4.10E-10
3299	480863.09, 3847877.25	5.35E-06	8.43E-10	3.31E-10	6.55E-06	1.03E-09	4.06E-10	5.75E-06	9.05E-10	3.56E-10
3300	481363.09, 3847877.25	5.40E-06	8.50E-10	3.34E-10	6.61E-06	1.04E-09	4.09E-10	5.80E-06	9.14E-10	3.59E-10
3301	481863.09, 3847877.25	7.41E-06	1.17E-09	4.59E-10	9.08E-06	1.43E-09	5.62E-10	7.96E-06	1.25E-09	4.93E-10
3302	482363.09, 3847877.25	6.92E-06	1.09E-09	4.28E-10	8.48E-06	1.34E-09	5.25E-10	7.43E-06	1.17E-09	4.60E-10
3303	482863.09, 3847877.25	6.02E-06	9.49E-10	3.73E-10	7.38E-06	1.16E-09	4.57E-10	6.47E-06	1.02E-09	4.01E-10
3304	483363.09, 3847877.25	5.80E-06	9.14E-10	3.59E-10	7.11E-06	1.12E-09	4.40E-10	6.23E-06	9.82E-10	3.86E-10
3305	483863.09, 3847877.25	5.64E-06	8.88E-10	3.49E-10	6.91E-06	1.09E-09	4.27E-10	6.06E-06	9.55E-10	3.75E-10
3306	484363.09, 3847877.25	5.73E-06	9.02E-10	3.54E-10	7.01E-06	1.10E-09	4.34E-10	6.15E-06	9.69E-10	3.81E-10
3307	484863.09, 3847877.25	5.47E-06	8.62E-10	3.38E-10	6.70E-06	1.06E-09	4.15E-10	5.88E-06	9.26E-10	3.64E-10
3308	485363.09, 3847877.25	5.37E-06	8.46E-10	3.32E-10	6.57E-06	1.04E-09	4.07E-10	5.77E-06	9.09E-10	3.57E-10
3309	485863.09, 3847877.25	5.24E-06	8.25E-10	3.24E-10	6.41E-06	1.01E-09	3.97E-10	5.62E-06	8.86E-10	3.48E-10
3310	486363.09, 3847877.25	4.78E-06	7.53E-10	2.96E-10	5.86E-06	9.23E-10	3.62E-10	5.14E-06	8.09E-10	3.18E-10
3311	486863.09, 3847877.25	4.48E-06	7.06E-10	2.77E-10	5.49E-06	8.65E-10	3.40E-10	4.81E-06	7.58E-10	2.98E-10

3312	487363.09, 3847877.25	4.25E-06	6.69E-10	2.63E-10	5.20E-06	8.20E-10	3.22E-10	4.56E-06	7.19E-10	2.82E-10
3313	487863.09, 3847877.25	3.97E-06	6.25E-10	2.46E-10	4.86E-06	7.66E-10	3.01E-10	4.26E-06	6.72E-10	2.64E-10
3314	488363.09, 3847877.25	3.85E-06	6.07E-10	2.38E-10	4.72E-06	7.43E-10	2.92E-10	4.14E-06	6.52E-10	2.56E-10
3315	488863.09, 3847877.25	3.83E-06	6.03E-10	2.37E-10	4.69E-06	7.38E-10	2.90E-10	4.11E-06	6.48E-10	2.54E-10
3316	489363.09, 3847877.25	3.87E-06	6.10E-10	2.40E-10	4.74E-06	7.47E-10	2.94E-10	4.16E-06	6.55E-10	2.57E-10
3317	489863.09, 3847877.25	4.12E-06	6.48E-10	2.55E-10	5.04E-06	7.94E-10	3.12E-10	4.42E-06	6.96E-10	2.73E-10
3318	490363.09, 3847877.25	4.18E-06	6.59E-10	2.59E-10	5.12E-06	8.07E-10	3.17E-10	4.49E-06	7.07E-10	2.78E-10
3319	490863.09, 3847877.25	4.13E-06	6.50E-10	2.55E-10	5.06E-06	7.96E-10	3.13E-10	4.43E-06	6.98E-10	2.74E-10
3320	491363.09, 3847877.25	4.00E-06	6.30E-10	2.48E-10	4.90E-06	7.72E-10	3.03E-10	4.30E-06	6.77E-10	2.66E-10
3321	491863.09, 3847877.25	4.14E-06	6.52E-10	2.56E-10	5.07E-06	7.99E-10	3.14E-10	4.44E-06	7.00E-10	2.75E-10
3322	492363.09, 3847877.25	4.37E-06	6.89E-10	2.71E-10	5.36E-06	8.44E-10	3.32E-10	4.70E-06	7.40E-10	2.91E-10
3323	492863.09, 3847877.25	4.53E-06	7.13E-10	2.80E-10	5.54E-06	8.73E-10	3.43E-10	4.86E-06	7.66E-10	3.01E-10
3324	493363.09, 3847877.25	4.51E-06	7.10E-10	2.79E-10	5.52E-06	8.70E-10	3.42E-10	4.84E-06	7.63E-10	3.00E-10
3325	493863.09, 3847877.25	4.61E-06	7.26E-10	2.85E-10	5.65E-06	8.90E-10	3.50E-10	4.95E-06	7.80E-10	3.06E-10
3326	494363.09, 3847877.25	4.82E-06	7.60E-10	2.98E-10	5.91E-06	9.31E-10	3.66E-10	5.18E-06	8.16E-10	3.20E-10
3327	494863.09, 3847877.25	5.13E-06	8.08E-10	3.17E-10	6.28E-06	9.89E-10	3.89E-10	5.50E-06	8.67E-10	3.41E-10
3328	495363.09, 3847877.25	5.30E-06	8.35E-10	3.28E-10	6.49E-06	1.02E-09	4.02E-10	5.69E-06	8.97E-10	3.52E-10
3329	495863.09, 3847877.25	5.06E-06	7.97E-10	3.13E-10	6.20E-06	9.77E-10	3.84E-10	5.43E-06	8.56E-10	3.36E-10
3330	496363.09, 3847877.25	6.07E-06	9.56E-10	3.76E-10	7.43E-06	1.17E-09	4.60E-10	6.51E-06	1.03E-09	4.03E-10
3331	496863.09, 3847877.25	6.68E-06	1.05E-09	4.14E-10	8.19E-06	1.29E-09	5.07E-10	7.17E-06	1.13E-09	4.44E-10
3332	497363.09, 3847877.25	7.45E-06	1.17E-09	4.61E-10	9.12E-06	1.44E-09	5.65E-10	8.00E-06	1.26E-09	4.95E-10
3333	497863.09, 3847877.25	8.86E-06	1.40E-09	5.49E-10	1.09E-05	1.71E-09	6.72E-10	9.52E-06	1.50E-09	5.89E-10
3334	498363.09, 3847877.25	9.67E-06	1.52E-09	5.98E-10	1.18E-05	1.87E-09	7.33E-10	1.04E-05	1.64E-09	6.42E-10
3335	471363.09, 3848377.25	1.37E-05	2.16E-09	8.47E-10	1.68E-05	2.64E-09	1.04E-09	1.47E-05	2.32E-09	9.10E-10
3336	471863.09, 3848377.25	1.45E-05	2.28E-09	8.95E-10	1.77E-05	2.79E-09	1.10E-09	1.55E-05	2.45E-09	9.61E-10
3337	472363.09, 3848377.25	1.50E-05	2.36E-09	9.27E-10	1.83E-05	2.89E-09	1.14E-09	1.61E-05	2.53E-09	9.95E-10
3338	472863.09, 3848377.25	1.54E-05	2.42E-09	9.52E-10	1.88E-05	2.97E-09	1.17E-09	1.65E-05	2.60E-09	1.02E-09
3339	473363.09, 3848377.25	1.56E-05	2.46E-09	9.67E-10	1.91E-05	3.02E-09	1.18E-09	1.68E-05	2.65E-09	1.04E-09
3340	473863.09, 3848377.25	1.59E-05	2.50E-09	9.83E-10	1.94E-05	3.06E-09	1.20E-09	1.71E-05	2.69E-09	1.06E-09
3341	474363.09, 3848377.25	1.56E-05	2.45E-09	9.64E-10	1.91E-05	3.01E-09	1.18E-09	1.67E-05	2.64E-09	1.04E-09
3342	474863.09, 3848377.25	1.41E-05	2.22E-09	8.71E-10	1.72E-05	2.72E-09	1.07E-09	1.51E-05	2.38E-09	9.36E-10
3343	475363.09, 3848377.25	1.48E-05	2.33E-09	9.17E-10	1.81E-05	2.86E-09	1.12E-09	1.59E-05	2.51E-09	9.85E-10
3344	475863.09, 3848377.25	1.35E-05	2.12E-09	8.35E-10	1.65E-05	2.60E-09	1.02E-09	1.45E-05	2.28E-09	8.97E-10
3345	476363.09, 3848377.25	1.20E-05	1.89E-09	7.44E-10	1.47E-05	2.32E-09	9.12E-10	1.29E-05	2.04E-09	8.00E-10
3346	476863.09, 3848377.25	1.52E-05	2.39E-09	9.41E-10	1.86E-05	2.93E-09	1.15E-09	1.63E-05	2.57E-09	1.01E-09
3347	477363.09, 3848377.25	1.81E-05	2.86E-09	1.12E-09	2.22E-05	3.50E-09	1.38E-09	1.95E-05	3.07E-09	1.21E-09
3348	477863.09, 3848377.25	2.18E-05	3.44E-09	1.35E-09	2.67E-05	4.21E-09	1.65E-09	2.34E-05	3.69E-09	1.45E-09
3349	478363.09, 3848377.25	2.19E-05	3.44E-09	1.35E-09	2.68E-05	4.22E-09	1.66E-09	2.35E-05	3.70E-09	1.45E-09
3350	478863.09, 3848377.25	1.90E-05	2.99E-09	1.17E-09	2.32E-05	3.66E-09	1.44E-09	2.04E-05	3.21E-09	1.26E-09
3351	479363.09, 3848377.25	1.29E-05	2.03E-09	7.98E-10	1.58E-05	2.49E-09	9.78E-10	1.38E-05	2.18E-09	8.57E-10
3352	479863.09, 3848377.25	4.41E-06	6.95E-10	2.73E-10	5.40E-06	8.51E-10	3.34E-10	4.74E-06	7.46E-10	2.93E-10
3353	480363.09, 3848377.25	6.25E-06	9.85E-10	3.87E-10	7.66E-06	1.21E-09	4.74E-10	6.72E-06	1.06E-09	4.16E-10
3354	480863.09, 3848377.25	8.80E-06	1.39E-09	5.45E-10	1.08E-05	1.70E-09	6.67E-10	9.45E-06	1.49E-09	5.85E-10
3355	481363.09, 3848377.25	8.62E-06	1.36E-09	5.33E-10	1.06E-05	1.66E-09	6.53E-10	9.26E-06	1.46E-09	5.73E-10
3356	481863.09, 3848377.25	8.77E-06	1.38E-09	5.43E-10	1.07E-05	1.69E-09	6.65E-10	9.43E-06	1.49E-09	5.83E-10
3357	482363.09, 3848377.25	8.78E-06	1.38E-09	5.44E-10	1.08E-05	1.70E-09	6.66E-10	9.43E-06	1.49E-09	5.84E-10
3358	482863.09, 3848377.25	7.37E-06	1.16E-09	4.56E-10	9.03E-06	1.42E-09	5.59E-10	7.92E-06	1.25E-09	4.90E-10
3359	483363.09, 3848377.25	7.12E-06	1.12E-09	4.41E-10	8.72E-06	1.37E-09	5.40E-10	7.65E-06	1.20E-09	4.73E-10
3360	483863.09, 3848377.25	6.42E-06	1.01E-09	3.97E-10	7.86E-06	1.24E-09	4.87E-10	6.90E-06	1.09E-09	4.27E-10
3361	484363.09, 3848377.25	6.31E-06	9.94E-10	3.91E-10	7.73E-06	1.22E-09	4.78E-10	6.78E-06	1.07E-09	4.20E-10
3362	484863.09, 3848377.25	6.72E-06	1.06E-09	4.16E-10	8.23E-06	1.30E-09	5.10E-10	7.22E-06	1.14E-09	4.47E-10
3363	485363.09, 3848377.25	6.36E-06	1.00E-09	3.93E-10	7.79E-06	1.23E-09	4.82E-10	6.83E-06	1.08E-09	4.23E-10
3364	485863.09, 3848377.25	6.13E-06	9.65E-10	3.79E-10	7.50E-06	1.18E-09	4.64E-10	6.58E-06	1.04E-09	4.07E-10
3365	486363.09, 3848377.25	5.71E-06	8.99E-10	3.53E-10	6.99E-06	1.10E-09	4.33E-10	6.13E-06	9.66E-10	3.79E-10
3366	486863.09, 3848377.25	5.24E-06	8.26E-10	3.24E-10	6.42E-06	1.01E-09	3.97E-10	5.63E-06	8.87E-10	3.49E-10
3367	487363.09, 3848377.25	4.73E-06	7.46E-10	2.93E-10	5.80E-06	9.14E-10	3.59E-10	5.09E-06	8.01E-10	3.15E-10
3368	487863.09, 3848377.25	4.62E-06	7.28E-10	2.86E-10	5.66E-06	8.92E-10	3.50E-10	4.96E-06	7.82E-10	3.07E-10
3369	488363.09, 3848377.25	4.50E-06	7.08E-10	2.78E-10	5.51E-06	8.68E-10	3.41E-10	4.83E-06	7.61E-10	2.99E-10
3370	488863.09, 3848377.25	4.53E-06	7.14E-10	2.81E-10	5.55E-06	8.75E-10	3.44E-10	4.87E-06	7.68E-10	3.02E-10
3371	489363.09, 3848377.25	4.69E-06	7.39E-10	2.90E-10	5.75E-06	9.05E-10	3.56E-10	5.04E-06	7.94E-10	3.12E-10
3372	489863.09, 3848377.25	5.07E-06	7.99E-10	3.14E-10	6.21E-06	9.79E-10	3.84E-10	5.44E-06	8.57E-10	3.37E-10
3373	490363.09, 3848377.25	5.08E-06	8.00E-10	3.14E-10	6.22E-06	9.80E-10	3.85E-10	5.45E-06	8.59E-10	3.38E-10
3374	490863.09, 3848377.25	4.93E-06	7.76E-10	3.05E-10	6.04E-06	9.51E-10	3.74E-10	5.29E-06	8.34E-10	3.28E-10
3375	491363.09, 3848377.25	4.92E-06	7.75E-10	3.05E-10	6.03E-06	9.50E-10	3.73E-10	5.29E-06	8.33E-10	3.27E-10
3376	491863.09, 3848377.25	5.04E-06	7.95E-10	3.12E-10	6.18E-06	9.73E-10	3.82E-10	5.42E-06	8.53E-10	3.35E-10

3377	492363.09, 3848377.25	4.96E-06	7.81E-10	3.07E-10	6.07E-06	9.57E-10	3.76E-10	5.33E-06	8.39E-10	3.30E-10
3378	492863.09, 3848377.25	4.84E-06	7.63E-10	3.00E-10	5.93E-06	9.34E-10	3.67E-10	5.20E-06	8.19E-10	3.22E-10
3379	493363.09, 3848377.25	4.99E-06	7.86E-10	3.09E-10	6.11E-06	9.63E-10	3.78E-10	5.36E-06	8.44E-10	3.32E-10
3380	493863.09, 3848377.25	5.18E-06	8.16E-10	3.20E-10	6.34E-06	9.99E-10	3.93E-10	5.56E-06	8.76E-10	3.44E-10
3381	494363.09, 3848377.25	5.37E-06	8.45E-10	3.32E-10	6.57E-06	1.04E-09	4.07E-10	5.76E-06	9.07E-10	3.56E-10
3382	494863.09, 3848377.25	5.72E-06	9.01E-10	3.54E-10	7.01E-06	1.10E-09	4.34E-10	6.14E-06	9.67E-10	3.80E-10
3383	495363.09, 3848377.25	5.67E-06	8.94E-10	3.51E-10	6.95E-06	1.10E-09	4.30E-10	6.09E-06	9.60E-10	3.77E-10
3384	495863.09, 3848377.25	5.95E-06	9.38E-10	3.68E-10	7.29E-06	1.15E-09	4.51E-10	6.39E-06	1.01E-09	3.95E-10
3385	496363.09, 3848377.25	6.64E-06	1.05E-09	4.11E-10	8.14E-06	1.28E-09	5.04E-10	7.13E-06	1.12E-09	4.41E-10
3386	496863.09, 3848377.25	6.84E-06	1.08E-09	4.23E-10	8.38E-06	1.32E-09	5.18E-10	7.34E-06	1.16E-09	4.54E-10
3387	497363.09, 3848377.25	7.86E-06	1.24E-09	4.86E-10	9.63E-06	1.52E-09	5.96E-10	8.44E-06	1.33E-09	5.22E-10
3388	497863.09, 3848377.25	1.07E-05	1.69E-09	6.64E-10	1.31E-05	2.07E-09	8.14E-10	1.15E-05	1.82E-09	7.13E-10
3389	498363.09, 3848377.25	1.14E-05	1.80E-09	7.07E-10	1.40E-05	2.20E-09	8.66E-10	1.23E-05	1.93E-09	7.59E-10
3390	471363.09, 3848877.25	1.34E-05	2.11E-09	8.29E-10	1.64E-05	2.59E-09	1.02E-09	1.44E-05	2.27E-09	8.91E-10
3391	471863.09, 3848877.25	1.44E-05	2.27E-09	8.93E-10	1.77E-05	2.79E-09	1.09E-09	1.55E-05	2.44E-09	9.60E-10
3392	472363.09, 3848877.25	1.54E-05	2.43E-09	9.54E-10	1.89E-05	2.97E-09	1.17E-09	1.66E-05	2.61E-09	1.02E-09
3393	472863.09, 3848877.25	1.63E-05	2.56E-09	1.01E-09	1.99E-05	3.14E-09	1.23E-09	1.75E-05	2.75E-09	1.08E-09
3394	473363.09, 3848877.25	1.70E-05	2.67E-09	1.05E-09	2.08E-05	3.27E-09	1.29E-09	1.82E-05	2.87E-09	1.13E-09
3395	473863.09, 3848877.25	1.74E-05	2.74E-09	1.07E-09	2.13E-05	3.35E-09	1.32E-09	1.87E-05	2.94E-09	1.15E-09
3396	474363.09, 3848877.25	1.78E-05	2.81E-09	1.10E-09	2.18E-05	3.44E-09	1.35E-09	1.92E-05	3.02E-09	1.19E-09
3397	474863.09, 3848877.25	1.72E-05	2.71E-09	1.07E-09	2.11E-05	3.32E-09	1.31E-09	1.85E-05	2.91E-09	1.14E-09
3398	475363.09, 3848877.25	1.68E-05	2.65E-09	1.04E-09	2.06E-05	3.25E-09	1.28E-09	1.81E-05	2.85E-09	1.12E-09
3399	475863.09, 3848877.25	1.71E-05	2.70E-09	1.06E-09	2.10E-05	3.31E-09	1.30E-09	1.84E-05	2.90E-09	1.14E-09
3400	476363.09, 3848877.25	1.62E-05	2.55E-09	1.00E-09	1.98E-05	3.12E-09	1.23E-09	1.74E-05	2.74E-09	1.08E-09
3401	476863.09, 3848877.25	1.49E-05	2.35E-09	9.23E-10	1.83E-05	2.88E-09	1.13E-09	1.60E-05	2.52E-09	9.91E-10
3402	477363.09, 3848877.25	1.77E-05	2.78E-09	1.09E-09	2.17E-05	3.41E-09	1.34E-09	1.90E-05	2.99E-09	1.18E-09
3403	477863.09, 3848877.25	2.08E-05	3.27E-09	1.29E-09	2.54E-05	4.01E-09	1.57E-09	2.23E-05	3.52E-09	1.38E-09
3404	478363.09, 3848877.25	2.50E-05	3.93E-09	1.55E-09	3.06E-05	4.82E-09	1.89E-09	2.68E-05	4.23E-09	1.66E-09
3405	478863.09, 3848877.25	2.44E-05	3.84E-09	1.51E-09	2.99E-05	4.70E-09	1.85E-09	2.62E-05	4.12E-09	1.62E-09
3406	479363.09, 3848877.25	1.98E-05	3.12E-09	1.23E-09	2.43E-05	3.82E-09	1.50E-09	2.13E-05	3.35E-09	1.32E-09
3407	479863.09, 3848877.25	1.43E-05	2.25E-09	8.84E-10	1.75E-05	2.76E-09	1.08E-09	1.53E-05	2.42E-09	9.49E-10
3408	480363.09, 3848877.25	1.36E-05	2.14E-09	8.39E-10	1.66E-05	2.62E-09	1.03E-09	1.46E-05	2.29E-09	9.01E-10
3409	480863.09, 3848877.25	1.39E-05	2.19E-09	8.60E-10	1.70E-05	2.68E-09	1.05E-09	1.49E-05	2.35E-09	9.23E-10
3410	481363.09, 3848877.25	1.27E-05	2.00E-09	7.85E-10	1.55E-05	2.45E-09	9.62E-10	1.36E-05	2.15E-09	8.44E-10
3411	481863.09, 3848877.25	1.05E-05	1.66E-09	6.51E-10	1.29E-05	2.03E-09	7.97E-10	1.13E-05	1.78E-09	6.99E-10
3412	482363.09, 3848877.25	8.64E-06	1.36E-09	5.35E-10	1.06E-05	1.67E-09	6.55E-10	9.28E-06	1.46E-09	5.74E-10
3413	482863.09, 3848877.25	7.13E-06	1.12E-09	4.41E-10	8.73E-06	1.38E-09	5.40E-10	7.66E-06	1.21E-09	4.74E-10
3414	483363.09, 3848877.25	6.22E-06	9.79E-10	3.85E-10	7.61E-06	1.20E-09	4.71E-10	6.68E-06	1.05E-09	4.13E-10
3415	483863.09, 3848877.25	6.08E-06	9.57E-10	3.76E-10	7.44E-06	1.17E-09	4.61E-10	6.53E-06	1.03E-09	4.04E-10
3416	484363.09, 3848877.25	7.17E-06	1.13E-09	4.44E-10	8.78E-06	1.38E-09	5.43E-10	7.70E-06	1.21E-09	4.77E-10
3417	484863.09, 3848877.25	8.20E-06	1.29E-09	5.07E-10	1.00E-05	1.58E-09	6.22E-10	8.81E-06	1.39E-09	5.45E-10
3418	485363.09, 3848877.25	7.68E-06	1.21E-09	4.75E-10	9.40E-06	1.48E-09	5.82E-10	8.25E-06	1.30E-09	5.11E-10
3419	485863.09, 3848877.25	7.29E-06	1.15E-09	4.51E-10	8.93E-06	1.41E-09	5.53E-10	7.83E-06	1.23E-09	4.85E-10
3420	486363.09, 3848877.25	6.53E-06	1.03E-09	4.04E-10	8.00E-06	1.26E-09	4.95E-10	7.02E-06	1.11E-09	4.34E-10
3421	486863.09, 3848877.25	5.80E-06	9.14E-10	3.59E-10	7.11E-06	1.12E-09	4.40E-10	6.23E-06	9.82E-10	3.86E-10
3422	487363.09, 3848877.25	5.76E-06	9.07E-10	3.56E-10	7.06E-06	1.11E-09	4.37E-10	6.19E-06	9.75E-10	3.83E-10
3423	487863.09, 3848877.25	5.48E-06	8.63E-10	3.39E-10	6.71E-06	1.06E-09	4.15E-10	5.89E-06	9.27E-10	3.64E-10
3424	488363.09, 3848877.25	5.46E-06	8.60E-10	3.38E-10	6.69E-06	1.05E-09	4.14E-10	5.87E-06	9.24E-10	3.63E-10
3425	488863.09, 3848877.25	5.49E-06	8.64E-10	3.39E-10	6.72E-06	1.06E-09	4.16E-10	5.89E-06	9.28E-10	3.65E-10
3426	489363.09, 3848877.25	5.77E-06	9.09E-10	3.57E-10	7.07E-06	1.11E-09	4.38E-10	6.20E-06	9.76E-10	3.84E-10
3427	489863.09, 3848877.25	6.07E-06	9.56E-10	3.76E-10	7.44E-06	1.17E-09	4.60E-10	6.52E-06	1.03E-09	4.03E-10
3428	490363.09, 3848877.25	5.90E-06	9.29E-10	3.65E-10	7.23E-06	1.14E-09	4.47E-10	6.33E-06	9.98E-10	3.92E-10
3429	490863.09, 3848877.25	5.81E-06	9.15E-10	3.59E-10	7.11E-06	1.12E-09	4.40E-10	6.24E-06	9.82E-10	3.86E-10
3430	491363.09, 3848877.25	5.89E-06	9.27E-10	3.64E-10	7.21E-06	1.14E-09	4.46E-10	6.32E-06	9.96E-10	3.91E-10
3431	491863.09, 3848877.25	5.73E-06	9.02E-10	3.54E-10	7.02E-06	1.11E-09	4.34E-10	6.15E-06	9.69E-10	3.81E-10
3432	492363.09, 3848877.25	5.59E-06	8.80E-10	3.46E-10	6.85E-06	1.08E-09	4.24E-10	6.00E-06	9.46E-10	3.72E-10
3433	492863.09, 3848877.25	5.42E-06	8.54E-10	3.36E-10	6.64E-06	1.05E-09	4.11E-10	5.82E-06	9.17E-10	3.60E-10
3434	493363.09, 3848877.25	5.30E-06	8.35E-10	3.28E-10	6.49E-06	1.02E-09	4.02E-10	5.69E-06	8.96E-10	3.52E-10
3435	493863.09, 3848877.25	5.72E-06	9.01E-10	3.54E-10	7.01E-06	1.10E-09	4.34E-10	6.14E-06	9.67E-10	3.80E-10
3436	494363.09, 3848877.25	6.02E-06	9.48E-10	3.72E-10	7.37E-06	1.16E-09	4.56E-10	6.46E-06	1.02E-09	4.00E-10
3437	494863.09, 3848877.25	6.55E-06	1.03E-09	4.05E-10	8.02E-06	1.26E-09	4.96E-10	7.03E-06	1.11E-09	4.35E-10
3438	495363.09, 3848877.25	7.02E-06	1.11E-09	4.34E-10	8.60E-06	1.35E-09	5.32E-10	7.54E-06	1.19E-09	4.66E-10
3439	495863.09, 3848877.25	6.86E-06	1.08E-09	4.25E-10	8.40E-06	1.32E-09	5.20E-10	7.37E-06	1.16E-09	4.56E-10
3440	496363.09, 3848877.25	7.29E-06	1.15E-09	4.51E-10	8.93E-06	1.41E-09	5.53E-10	7.83E-06	1.23E-09	4.85E-10
3441	496863.09, 3848877.25	8.40E-06	1.32E-09	5.20E-10	1.03E-05	1.62E-09	6.36E-10	9.01E-06	1.42E-09	5.58E-10

3442	497363.09, 3848877.25	1.08E-05	1.71E-09	6.71E-10	1.33E-05	2.09E-09	8.22E-10	1.16E-05	1.83E-09	7.20E-10
3443	497863.09, 3848877.25	1.23E-05	1.94E-09	7.63E-10	1.51E-05	2.38E-09	9.35E-10	1.32E-05	2.09E-09	8.20E-10
3444	498363.09, 3848877.25	1.36E-05	2.15E-09	8.44E-10	1.67E-05	2.63E-09	1.03E-09	1.46E-05	2.31E-09	9.06E-10
3445	471363.09, 3849377.25	1.29E-05	2.04E-09	8.01E-10	1.59E-05	2.50E-09	9.82E-10	1.39E-05	2.19E-09	8.61E-10
3446	471863.09, 3849377.25	1.42E-05	2.24E-09	8.78E-10	1.74E-05	2.74E-09	1.08E-09	1.52E-05	2.40E-09	9.44E-10
3447	472363.09, 3849377.25	1.53E-05	2.41E-09	9.46E-10	1.87E-05	2.95E-09	1.16E-09	1.64E-05	2.59E-09	1.02E-09
3448	472863.09, 3849377.25	1.64E-05	2.59E-09	1.02E-09	2.01E-05	3.17E-09	1.24E-09	1.76E-05	2.78E-09	1.09E-09
3449	473363.09, 3849377.25	1.75E-05	2.76E-09	1.08E-09	2.14E-05	3.38E-09	1.33E-09	1.88E-05	2.96E-09	1.16E-09
3450	473863.09, 3849377.25	1.85E-05	2.91E-09	1.14E-09	2.27E-05	3.57E-09	1.40E-09	1.99E-05	3.13E-09	1.23E-09
3451	474363.09, 3849377.25	1.93E-05	3.04E-09	1.19E-09	2.36E-05	3.72E-09	1.46E-09	2.07E-05	3.26E-09	1.28E-09
3452	474863.09, 3849377.25	2.00E-05	3.15E-09	1.24E-09	2.45E-05	3.85E-09	1.51E-09	2.15E-05	3.38E-09	1.33E-09
3453	475363.09, 3849377.25	2.02E-05	3.19E-09	1.25E-09	2.48E-05	3.90E-09	1.53E-09	2.17E-05	3.42E-09	1.34E-09
3454	475863.09, 3849377.25	2.07E-05	3.26E-09	1.28E-09	2.53E-05	3.99E-09	1.57E-09	2.22E-05	3.50E-09	1.38E-09
3455	476363.09, 3849377.25	2.08E-05	3.28E-09	1.29E-09	2.55E-05	4.02E-09	1.58E-09	2.24E-05	3.53E-09	1.38E-09
3456	476863.09, 3849377.25	2.00E-05	3.16E-09	1.24E-09	2.45E-05	3.87E-09	1.52E-09	2.15E-05	3.39E-09	1.33E-09
3457	477363.09, 3849377.25	1.88E-05	2.96E-09	1.16E-09	2.30E-05	3.63E-09	1.43E-09	2.02E-05	3.19E-09	1.25E-09
3458	477863.09, 3849377.25	1.94E-05	3.05E-09	1.20E-09	2.37E-05	3.74E-09	1.47E-09	2.08E-05	3.28E-09	1.29E-09
3459	478363.09, 3849377.25	2.37E-05	3.74E-09	1.47E-09	2.90E-05	4.58E-09	1.80E-09	2.55E-05	4.01E-09	1.58E-09
3460	478863.09, 3849377.25	2.75E-05	4.33E-09	1.70E-09	3.36E-05	5.30E-09	2.08E-09	2.95E-05	4.65E-09	1.83E-09
3461	479363.09, 3849377.25	2.74E-05	4.31E-09	1.69E-09	3.35E-05	5.28E-09	2.08E-09	2.94E-05	4.63E-09	1.82E-09
3462	479863.09, 3849377.25	2.13E-05	3.36E-09	1.32E-09	2.61E-05	4.12E-09	1.62E-09	2.29E-05	3.61E-09	1.42E-09
3463	480363.09, 3849377.25	2.11E-05	3.32E-09	1.30E-09	2.58E-05	4.06E-09	1.60E-09	2.26E-05	3.56E-09	1.40E-09
3464	480863.09, 3849377.25	1.84E-05	2.90E-09	1.14E-09	2.26E-05	3.56E-09	1.40E-09	1.98E-05	3.12E-09	1.23E-09
3465	481363.09, 3849377.25	1.52E-05	2.40E-09	9.43E-10	1.87E-05	2.94E-09	1.16E-09	1.64E-05	2.58E-09	1.01E-09
3466	481863.09, 3849377.25	1.02E-05	1.61E-09	6.32E-10	1.25E-05	1.97E-09	7.74E-10	1.10E-05	1.73E-09	6.79E-10
3467	482363.09, 3849377.25	8.78E-06	1.38E-09	5.43E-10	1.08E-05	1.69E-09	6.65E-10	9.43E-06	1.49E-09	5.84E-10
3468	482863.09, 3849377.25	7.12E-06	1.12E-09	4.41E-10	8.73E-06	1.37E-09	5.40E-10	7.65E-06	1.21E-09	4.74E-10
3469	483363.09, 3849377.25	6.46E-06	1.02E-09	4.00E-10	7.91E-06	1.25E-09	4.90E-10	6.94E-06	1.09E-09	4.29E-10
3470	483863.09, 3849377.25	5.54E-06	8.73E-10	3.43E-10	6.78E-06	1.07E-09	4.20E-10	5.95E-06	9.37E-10	3.68E-10
3471	484363.09, 3849377.25	7.99E-06	1.26E-09	4.94E-10	9.78E-06	1.54E-09	6.05E-10	8.58E-06	1.35E-09	5.31E-10
3472	484863.09, 3849377.25	9.81E-06	1.55E-09	6.07E-10	1.20E-05	1.89E-09	7.44E-10	1.05E-05	1.66E-09	6.53E-10
3473	485363.09, 3849377.25	9.32E-06	1.47E-09	5.77E-10	1.14E-05	1.80E-09	7.06E-10	1.00E-05	1.58E-09	6.20E-10
3474	485863.09, 3849377.25	6.98E-06	1.10E-09	4.32E-10	8.55E-06	1.35E-09	5.29E-10	7.49E-06	1.18E-09	4.64E-10
3475	486363.09, 3849377.25	5.73E-06	9.03E-10	3.55E-10	7.02E-06	1.11E-09	4.34E-10	6.16E-06	9.70E-10	3.81E-10
3476	486863.09, 3849377.25	6.70E-06	1.05E-09	4.14E-10	8.20E-06	1.29E-09	5.08E-10	7.20E-06	1.13E-09	4.45E-10
3477	487363.09, 3849377.25	6.89E-06	1.08E-09	4.26E-10	8.44E-06	1.33E-09	5.22E-10	7.40E-06	1.17E-09	4.58E-10
3478	487863.09, 3849377.25	6.65E-06	1.05E-09	4.11E-10	8.14E-06	1.28E-09	5.04E-10	7.14E-06	1.13E-09	4.42E-10
3479	488363.09, 3849377.25	6.69E-06	1.05E-09	4.14E-10	8.19E-06	1.29E-09	5.07E-10	7.18E-06	1.13E-09	4.45E-10
3480	488863.09, 3849377.25	6.96E-06	1.10E-09	4.31E-10	8.52E-06	1.34E-09	5.28E-10	7.47E-06	1.18E-09	4.62E-10
3481	489363.09, 3849377.25	7.21E-06	1.14E-09	4.46E-10	8.84E-06	1.39E-09	5.47E-10	7.74E-06	1.22E-09	4.79E-10
3482	489863.09, 3849377.25	7.28E-06	1.15E-09	4.50E-10	8.91E-06	1.40E-09	5.52E-10	7.82E-06	1.23E-09	4.84E-10
3483	490363.09, 3849377.25	7.05E-06	1.11E-09	4.36E-10	8.64E-06	1.36E-09	5.35E-10	7.57E-06	1.19E-09	4.69E-10
3484	490863.09, 3849377.25	7.04E-06	1.11E-09	4.36E-10	8.62E-06	1.36E-09	5.34E-10	7.56E-06	1.19E-09	4.68E-10
3485	491363.09, 3849377.25	7.10E-06	1.12E-09	4.40E-10	8.70E-06	1.37E-09	5.38E-10	7.63E-06	1.20E-09	4.72E-10
3486	491863.09, 3849377.25	6.94E-06	1.09E-09	4.30E-10	8.51E-06	1.34E-09	5.27E-10	7.46E-06	1.18E-09	4.62E-10
3487	492363.09, 3849377.25	6.86E-06	1.08E-09	4.25E-10	8.41E-06	1.32E-09	5.20E-10	7.37E-06	1.16E-09	4.56E-10
3488	492863.09, 3849377.25	6.46E-06	1.02E-09	4.00E-10	7.91E-06	1.25E-09	4.90E-10	6.94E-06	1.09E-09	4.29E-10
3489	493363.09, 3849377.25	6.59E-06	1.04E-09	4.08E-10	8.07E-06	1.27E-09	5.00E-10	7.08E-06	1.11E-09	4.38E-10
3490	493863.09, 3849377.25	6.87E-06	1.08E-09	4.25E-10	8.42E-06	1.33E-09	5.21E-10	7.37E-06	1.16E-09	4.56E-10
3491	494363.09, 3849377.25	7.46E-06	1.18E-09	4.62E-10	9.14E-06	1.44E-09	5.65E-10	8.01E-06	1.26E-09	4.96E-10
3492	494863.09, 3849377.25	8.84E-06	1.39E-09	5.47E-10	1.08E-05	1.71E-09	6.70E-10	9.49E-06	1.49E-09	5.87E-10
3493	495363.09, 3849377.25	9.62E-06	1.52E-09	5.96E-10	1.18E-05	1.86E-09	7.30E-10	1.03E-05	1.63E-09	6.39E-10
3494	495863.09, 3849377.25	8.20E-06	1.29E-09	5.08E-10	1.00E-05	1.58E-09	6.22E-10	8.81E-06	1.39E-09	5.45E-10
3495	496363.09, 3849377.25	8.34E-06	1.31E-09	5.16E-10	1.02E-05	1.61E-09	6.32E-10	8.96E-06	1.41E-09	5.54E-10
3496	496863.09, 3849377.25	1.12E-05	1.77E-09	6.95E-10	1.38E-05	2.17E-09	8.52E-10	1.21E-05	1.90E-09	7.47E-10
3497	497363.09, 3849377.25	1.26E-05	1.98E-09	7.79E-10	1.54E-05	2.43E-09	9.54E-10	1.35E-05	2.13E-09	8.37E-10
3498	497863.09, 3849377.25	1.67E-05	2.63E-09	1.03E-09	2.04E-05	3.22E-09	1.26E-09	1.79E-05	2.82E-09	1.11E-09
3499	498363.09, 3849377.25	1.65E-05	2.60E-09	1.02E-09	2.02E-05	3.19E-09	1.25E-09	1.77E-05	2.79E-09	1.10E-09
3500	471363.09, 3849877.25	1.20E-05	1.89E-09	7.41E-10	1.47E-05	2.31E-09	9.08E-10	1.29E-05	2.03E-09	7.96E-10
3501	471863.09, 3849877.25	1.35E-05	2.13E-09	8.36E-10	1.65E-05	2.61E-09	1.02E-09	1.45E-05	2.28E-09	8.98E-10
3502	472363.09, 3849877.25	1.50E-05	2.36E-09	9.28E-10	1.84E-05	2.89E-09	1.14E-09	1.61E-05	2.54E-09	9.96E-10
3503	472863.09, 3849877.25	1.63E-05	2.57E-09	1.01E-09	2.00E-05	3.15E-09	1.24E-09	1.75E-05	2.76E-09	1.09E-09
3504	473363.09, 3849877.25	1.74E-05	2.75E-09	1.08E-09	2.14E-05	3.36E-09	1.32E-09	1.87E-05	2.95E-09	1.16E-09
3505	473863.09, 3849877.25	1.88E-05	2.96E-09	1.16E-09	2.30E-05	3.63E-09	1.42E-09	2.02E-05	3.18E-09	1.25E-09
3506	474363.09, 3849877.25	2.01E-05	3.17E-09	1.25E-09	2.47E-05	3.89E-09	1.53E-09	2.16E-05	3.41E-09	1.34E-09

3507	474863.09, 3849877.25	2.13E-05	3.36E-09	1.32E-09	2.61E-05	4.11E-09	1.62E-09	2.29E-05	3.61E-09	1.42E-09
3508	475363.09, 3849877.25	2.22E-05	3.49E-09	1.37E-09	2.72E-05	4.28E-09	1.68E-09	2.38E-05	3.75E-09	1.47E-09
3509	475863.09, 3849877.25	2.29E-05	3.61E-09	1.42E-09	2.81E-05	4.43E-09	1.74E-09	2.46E-05	3.88E-09	1.53E-09
3510	476363.09, 3849877.25	2.35E-05	3.70E-09	1.45E-09	2.88E-05	4.54E-09	1.78E-09	2.53E-05	3.98E-09	1.56E-09
3511	476863.09, 3849877.25	2.41E-05	3.80E-09	1.49E-09	2.96E-05	4.66E-09	1.83E-09	2.59E-05	4.09E-09	1.60E-09
3512	477363.09, 3849877.25	2.43E-05	3.83E-09	1.51E-09	2.98E-05	4.69E-09	1.84E-09	2.61E-05	4.12E-09	1.62E-09
3513	477863.09, 3849877.25	2.32E-05	3.66E-09	1.44E-09	2.85E-05	4.48E-09	1.76E-09	2.50E-05	3.93E-09	1.55E-09
3514	478363.09, 3849877.25	2.32E-05	3.65E-09	1.43E-09	2.84E-05	4.47E-09	1.76E-09	2.49E-05	3.92E-09	1.54E-09
3515	478863.09, 3849877.25	2.80E-05	4.42E-09	1.74E-09	3.43E-05	5.41E-09	2.13E-09	3.01E-05	4.75E-09	1.86E-09
3516	479363.09, 3849877.25	3.24E-05	5.10E-09	2.00E-09	3.96E-05	6.25E-09	2.45E-09	3.48E-05	5.48E-09	2.15E-09
3517	479863.09, 3849877.25	3.36E-05	5.30E-09	2.08E-09	4.12E-05	6.49E-09	2.55E-09	3.61E-05	5.69E-09	2.23E-09
3518	480363.09, 3849877.25	2.76E-05	4.36E-09	1.71E-09	3.39E-05	5.34E-09	2.10E-09	2.97E-05	4.68E-09	1.84E-09
3519	480863.09, 3849877.25	2.18E-05	3.44E-09	1.35E-09	2.67E-05	4.21E-09	1.65E-09	2.34E-05	3.69E-09	1.45E-09
3520	481363.09, 3849877.25	1.85E-05	2.92E-09	1.15E-09	2.27E-05	3.57E-09	1.40E-09	1.99E-05	3.13E-09	1.23E-09
3521	481863.09, 3849877.25	1.15E-05	1.82E-09	7.13E-10	1.41E-05	2.22E-09	8.74E-10	1.24E-05	1.95E-09	7.66E-10
3522	482363.09, 3849877.25	8.94E-06	1.41E-09	5.53E-10	1.10E-05	1.73E-09	6.78E-10	9.61E-06	1.51E-09	5.95E-10
3523	482863.09, 3849877.25	7.67E-06	1.21E-09	4.75E-10	9.40E-06	1.48E-09	5.82E-10	8.24E-06	1.30E-09	5.10E-10
3524	483363.09, 3849877.25	6.70E-06	1.06E-09	4.14E-10	8.20E-06	1.29E-09	5.08E-10	7.19E-06	1.13E-09	4.45E-10
3525	483863.09, 3849877.25	6.60E-06	1.04E-09	4.08E-10	8.08E-06	1.27E-09	5.00E-10	7.09E-06	1.12E-09	4.39E-10
3526	484363.09, 3849877.25	9.00E-06	1.42E-09	5.57E-10	1.10E-05	1.74E-09	6.82E-10	9.67E-06	1.52E-09	5.99E-10
3527	484863.09, 3849877.25	1.23E-05	1.94E-09	7.61E-10	1.51E-05	2.37E-09	9.32E-10	1.32E-05	2.08E-09	8.18E-10
3528	485363.09, 3849877.25	1.09E-05	1.71E-09	6.72E-10	1.33E-05	2.09E-09	8.23E-10	1.17E-05	1.84E-09	7.22E-10
3529	485863.09, 3849877.25	8.94E-06	1.41E-09	5.53E-10	1.10E-05	1.73E-09	6.78E-10	9.60E-06	1.51E-09	5.94E-10
3530	486363.09, 3849877.25	8.02E-06	1.26E-09	4.96E-10	9.82E-06	1.55E-09	6.08E-10	8.62E-06	1.36E-09	5.33E-10
3531	486863.09, 3849877.25	8.74E-06	1.38E-09	5.41E-10	1.07E-05	1.69E-09	6.62E-10	9.39E-06	1.48E-09	5.81E-10
3532	487363.09, 3849877.25	8.59E-06	1.35E-09	5.31E-10	1.05E-05	1.66E-09	6.51E-10	9.22E-06	1.45E-09	5.71E-10
3533	487863.09, 3849877.25	8.37E-06	1.32E-09	5.18E-10	1.03E-05	1.62E-09	6.35E-10	8.99E-06	1.42E-09	5.57E-10
3534	488363.09, 3849877.25	8.59E-06	1.35E-09	5.31E-10	1.05E-05	1.66E-09	6.51E-10	9.22E-06	1.45E-09	5.71E-10
3535	488863.09, 3849877.25	8.93E-06	1.41E-09	5.53E-10	1.09E-05	1.72E-09	6.77E-10	9.59E-06	1.51E-09	5.93E-10
3536	489363.09, 3849877.25	9.05E-06	1.43E-09	5.60E-10	1.11E-05	1.75E-09	6.86E-10	9.72E-06	1.53E-09	6.01E-10
3537	489863.09, 3849877.25	8.98E-06	1.41E-09	5.56E-10	1.10E-05	1.73E-09	6.81E-10	9.65E-06	1.52E-09	5.97E-10
3538	490363.09, 3849877.25	8.76E-06	1.38E-09	5.42E-10	1.07E-05	1.69E-09	6.64E-10	9.42E-06	1.48E-09	5.83E-10
3539	490863.09, 3849877.25	8.90E-06	1.40E-09	5.51E-10	1.09E-05	1.72E-09	6.75E-10	9.56E-06	1.51E-09	5.92E-10
3540	491363.09, 3849877.25	9.11E-06	1.44E-09	5.64E-10	1.12E-05	1.76E-09	6.91E-10	9.79E-06	1.54E-09	6.06E-10
3541	491863.09, 3849877.25	8.97E-06	1.41E-09	5.55E-10	1.10E-05	1.73E-09	6.80E-10	9.63E-06	1.52E-09	5.96E-10
3542	492363.09, 3849877.25	8.98E-06	1.42E-09	5.56E-10	1.10E-05	1.73E-09	6.81E-10	9.65E-06	1.52E-09	5.97E-10
3543	492863.09, 3849877.25	8.69E-06	1.37E-09	5.38E-10	1.06E-05	1.68E-09	6.58E-10	9.32E-06	1.47E-09	5.77E-10
3544	493363.09, 3849877.25	8.44E-06	1.33E-09	5.22E-10	1.03E-05	1.63E-09	6.40E-10	9.06E-06	1.43E-09	5.60E-10
3545	493863.09, 3849877.25	8.49E-06	1.34E-09	5.25E-10	1.04E-05	1.64E-09	6.44E-10	9.11E-06	1.44E-09	5.64E-10
3546	494363.09, 3849877.25	1.05E-05	1.66E-09	6.51E-10	1.29E-05	2.03E-09	7.97E-10	1.13E-05	1.78E-09	6.99E-10
3547	494863.09, 3849877.25	1.23E-05	1.93E-09	7.59E-10	1.50E-05	2.37E-09	9.30E-10	1.32E-05	2.08E-09	8.15E-10
3548	495363.09, 3849877.25	1.13E-05	1.78E-09	7.00E-10	1.38E-05	2.18E-09	8.57E-10	1.21E-05	1.91E-09	7.51E-10
3549	495863.09, 3849877.25	1.33E-05	2.10E-09	8.25E-10	1.63E-05	2.57E-09	1.01E-09	1.43E-05	2.26E-09	8.86E-10
3550	496363.09, 3849877.25	1.44E-05	2.27E-09	8.92E-10	1.76E-05	2.78E-09	1.09E-09	1.55E-05	2.44E-09	9.57E-10
3551	496863.09, 3849877.25	1.53E-05	2.41E-09	9.47E-10	1.88E-05	2.95E-09	1.16E-09	1.64E-05	2.59E-09	1.02E-09
3552	497363.09, 3849877.25	1.86E-05	2.94E-09	1.15E-09	2.28E-05	3.60E-09	1.41E-09	2.00E-05	3.15E-09	1.24E-09
3553	497863.09, 3849877.25	2.02E-05	3.18E-09	1.25E-09	2.48E-05	3.90E-09	1.53E-09	2.17E-05	3.42E-09	1.34E-09
3554	498363.09, 3849877.25	1.98E-05	3.12E-09	1.23E-09	2.43E-05	3.83E-09	1.50E-09	2.13E-05	3.36E-09	1.32E-09
3555	471363.09, 3850377.25	1.06E-05	1.66E-09	6.53E-10	1.29E-05	2.04E-09	8.00E-10	1.13E-05	1.79E-09	7.02E-10
3556	471863.09, 3850377.25	1.31E-05	2.07E-09	8.13E-10	1.61E-05	2.54E-09	9.96E-10	1.41E-05	2.22E-09	8.73E-10
3557	472363.09, 3850377.25	1.42E-05	2.24E-09	8.79E-10	1.74E-05	2.74E-09	1.08E-09	1.53E-05	2.40E-09	9.44E-10
3558	472863.09, 3850377.25	1.61E-05	2.53E-09	9.94E-10	1.97E-05	3.10E-09	1.22E-09	1.72E-05	2.72E-09	1.07E-09
3559	473363.09, 3850377.25	1.70E-05	2.69E-09	1.06E-09	2.09E-05	3.29E-09	1.29E-09	1.83E-05	2.89E-09	1.13E-09
3560	473863.09, 3850377.25	1.86E-05	2.93E-09	1.15E-09	2.27E-05	3.58E-09	1.41E-09	1.99E-05	3.14E-09	1.23E-09
3561	474363.09, 3850377.25	2.02E-05	3.18E-09	1.25E-09	2.47E-05	3.90E-09	1.53E-09	2.17E-05	3.42E-09	1.34E-09
3562	474863.09, 3850377.25	2.18E-05	3.44E-09	1.35E-09	2.67E-05	4.21E-09	1.65E-09	2.34E-05	3.69E-09	1.45E-09
3563	475363.09, 3850377.25	2.35E-05	3.70E-09	1.45E-09	2.87E-05	4.53E-09	1.78E-09	2.52E-05	3.97E-09	1.56E-09
3564	475863.09, 3850377.25	2.49E-05	3.92E-09	1.54E-09	3.05E-05	4.80E-09	1.89E-09	2.67E-05	4.21E-09	1.65E-09
3565	476363.09, 3850377.25	2.60E-05	4.09E-09	1.61E-09	3.18E-05	5.01E-09	1.97E-09	2.79E-05	4.39E-09	1.73E-09
3566	476863.09, 3850377.25	2.69E-05	4.24E-09	1.67E-09	3.30E-05	5.19E-09	2.04E-09	2.89E-05	4.55E-09	1.79E-09
3567	477363.09, 3850377.25	2.77E-05	4.37E-09	1.72E-09	3.40E-05	5.35E-09	2.10E-09	2.98E-05	4.70E-09	1.85E-09
3568	477863.09, 3850377.25	2.81E-05	4.42E-09	1.74E-09	3.44E-05	5.42E-09	2.13E-09	3.02E-05	4.75E-09	1.87E-09
3569	478363.09, 3850377.25	2.72E-05	4.28E-09	1.68E-09	3.33E-05	5.24E-09	2.06E-09	2.92E-05	4.60E-09	1.81E-09
3570	478863.09, 3850377.25	2.86E-05	4.51E-09	1.77E-09	3.51E-05	5.52E-09	2.17E-09	3.08E-05	4.85E-09	1.90E-09
3571	479363.09, 3850377.25	3.35E-05	5.28E-09	2.08E-09	4.11E-05	6.47E-09	2.54E-09	3.60E-05	5.68E-09	2.23E-09

3572	479863.09, 3850377.25	3.83E-05	6.03E-09	2.37E-09	4.69E-05	7.39E-09	2.90E-09	4.11E-05	6.48E-09	2.55E-09
3573	480363.09, 3850377.25	3.88E-05	6.11E-09	2.40E-09	4.75E-05	7.48E-09	2.94E-09	4.16E-05	6.56E-09	2.58E-09
3574	480863.09, 3850377.25	3.54E-05	5.57E-09	2.19E-09	4.33E-05	6.82E-09	2.68E-09	3.80E-05	5.98E-09	2.35E-09
3575	481363.09, 3850377.25	2.34E-05	3.69E-09	1.45E-09	2.87E-05	4.53E-09	1.78E-09	2.52E-05	3.97E-09	1.56E-09
3576	481863.09, 3850377.25	2.14E-05	3.38E-09	1.33E-09	2.63E-05	4.14E-09	1.63E-09	2.30E-05	3.63E-09	1.43E-09
3577	482363.09, 3850377.25	1.86E-05	2.93E-09	1.15E-09	2.28E-05	3.59E-09	1.41E-09	2.00E-05	3.15E-09	1.24E-09
3578	482863.09, 3850377.25	1.20E-05	1.89E-09	7.43E-10	1.47E-05	2.32E-09	9.10E-10	1.29E-05	2.03E-09	7.98E-10
3579	483363.09, 3850377.25	9.40E-06	1.48E-09	5.82E-10	1.15E-05	1.81E-09	7.13E-10	1.01E-05	1.59E-09	6.25E-10
3580	483863.09, 3850377.25	1.02E-05	1.61E-09	6.33E-10	1.25E-05	1.97E-09	7.75E-10	1.10E-05	1.73E-09	6.80E-10
3581	484363.09, 3850377.25	1.24E-05	1.95E-09	7.68E-10	1.52E-05	2.39E-09	9.40E-10	1.33E-05	2.10E-09	8.25E-10
3582	484863.09, 3850377.25	1.49E-05	2.35E-09	9.24E-10	1.83E-05	2.88E-09	1.13E-09	1.61E-05	2.53E-09	9.93E-10
3583	485363.09, 3850377.25	1.43E-05	2.26E-09	8.88E-10	1.76E-05	2.77E-09	1.09E-09	1.54E-05	2.43E-09	9.55E-10
3584	485863.09, 3850377.25	1.26E-05	1.98E-09	7.77E-10	1.54E-05	2.42E-09	9.52E-10	1.35E-05	2.13E-09	8.35E-10
3585	486363.09, 3850377.25	1.20E-05	1.89E-09	7.41E-10	1.47E-05	2.31E-09	9.08E-10	1.29E-05	2.03E-09	7.96E-10
3586	486863.09, 3850377.25	1.16E-05	1.83E-09	7.18E-10	1.42E-05	2.24E-09	8.80E-10	1.25E-05	1.96E-09	7.72E-10
3587	487363.09, 3850377.25	1.08E-05	1.71E-09	6.71E-10	1.33E-05	2.09E-09	8.22E-10	1.17E-05	1.84E-09	7.21E-10
3588	487863.09, 3850377.25	1.11E-05	1.75E-09	6.86E-10	1.36E-05	2.14E-09	8.40E-10	1.19E-05	1.88E-09	7.37E-10
3589	488363.09, 3850377.25	1.13E-05	1.78E-09	6.98E-10	1.38E-05	2.18E-09	8.55E-10	1.21E-05	1.91E-09	7.50E-10
3590	488863.09, 3850377.25	1.15E-05	1.81E-09	7.12E-10	1.41E-05	2.22E-09	8.72E-10	1.24E-05	1.95E-09	7.65E-10
3591	489363.09, 3850377.25	1.16E-05	1.83E-09	7.20E-10	1.43E-05	2.25E-09	8.82E-10	1.25E-05	1.97E-09	7.74E-10
3592	489863.09, 3850377.25	1.14E-05	1.80E-09	7.08E-10	1.40E-05	2.21E-09	8.67E-10	1.23E-05	1.94E-09	7.61E-10
3593	490363.09, 3850377.25	1.15E-05	1.81E-09	7.11E-10	1.41E-05	2.22E-09	8.71E-10	1.23E-05	1.94E-09	7.64E-10
3594	490863.09, 3850377.25	1.19E-05	1.87E-09	7.34E-10	1.45E-05	2.29E-09	8.99E-10	1.27E-05	2.01E-09	7.88E-10
3595	491363.09, 3850377.25	1.22E-05	1.92E-09	7.53E-10	1.49E-05	2.35E-09	9.22E-10	1.31E-05	2.06E-09	8.08E-10
3596	491863.09, 3850377.25	1.20E-05	1.88E-09	7.40E-10	1.46E-05	2.31E-09	9.06E-10	1.28E-05	2.02E-09	7.94E-10
3597	492363.09, 3850377.25	1.16E-05	1.82E-09	7.16E-10	1.42E-05	2.23E-09	8.77E-10	1.24E-05	1.96E-09	7.69E-10
3598	492863.09, 3850377.25	1.16E-05	1.82E-09	7.16E-10	1.42E-05	2.23E-09	8.77E-10	1.24E-05	1.96E-09	7.68E-10
3599	493363.09, 3850377.25	1.13E-05	1.78E-09	6.98E-10	1.38E-05	2.18E-09	8.55E-10	1.21E-05	1.91E-09	7.49E-10
3600	493863.09, 3850377.25	1.27E-05	2.00E-09	7.84E-10	1.55E-05	2.45E-09	9.61E-10	1.36E-05	2.14E-09	8.42E-10
3601	494363.09, 3850377.25	1.39E-05	2.20E-09	8.63E-10	1.71E-05	2.69E-09	1.06E-09	1.50E-05	2.36E-09	9.26E-10
3602	494863.09, 3850377.25	1.60E-05	2.52E-09	9.88E-10	1.96E-05	3.08E-09	1.21E-09	1.71E-05	2.70E-09	1.06E-09
3603	495363.09, 3850377.25	1.85E-05	2.91E-09	1.14E-09	2.26E-05	3.57E-09	1.40E-09	1.98E-05	3.13E-09	1.23E-09
3604	495863.09, 3850377.25	1.80E-05	2.84E-09	1.11E-09	2.21E-05	3.48E-09	1.37E-09	1.93E-05	3.05E-09	1.20E-09
3605	496363.09, 3850377.25	2.05E-05	3.24E-09	1.27E-09	2.52E-05	3.96E-09	1.56E-09	2.21E-05	3.48E-09	1.37E-09
3606	496863.09, 3850377.25	2.30E-05	3.62E-09	1.42E-09	2.82E-05	4.44E-09	1.74E-09	2.47E-05	3.89E-09	1.53E-09
3607	497363.09, 3850377.25	2.43E-05	3.82E-09	1.50E-09	2.97E-05	4.68E-09	1.84E-09	2.61E-05	4.10E-09	1.61E-09
3608	497863.09, 3850377.25	2.44E-05	3.84E-09	1.51E-09	2.99E-05	4.71E-09	1.85E-09	2.62E-05	4.13E-09	1.62E-09
3609	498363.09, 3850377.25	2.44E-05	3.85E-09	1.51E-09	2.99E-05	4.72E-09	1.85E-09	2.62E-05	4.13E-09	1.62E-09
3610	471363.09, 3850877.25	1.31E-05	2.06E-09	8.10E-10	1.60E-05	2.52E-09	9.92E-10	1.41E-05	2.21E-09	8.70E-10
3611	471863.09, 3850877.25	1.44E-05	2.27E-09	8.92E-10	1.77E-05	2.78E-09	1.09E-09	1.55E-05	2.44E-09	9.58E-10
3612	472363.09, 3850877.25	1.60E-05	2.52E-09	9.89E-10	1.96E-05	3.08E-09	1.21E-09	1.72E-05	2.70E-09	1.06E-09
3613	472863.09, 3850877.25	1.72E-05	2.71E-09	1.06E-09	2.11E-05	3.32E-09	1.30E-09	1.85E-05	2.91E-09	1.14E-09
3614	473363.09, 3850877.25	1.68E-05	2.65E-09	1.04E-09	2.06E-05	3.25E-09	1.28E-09	1.81E-05	2.85E-09	1.12E-09
3615	473863.09, 3850877.25	1.84E-05	2.89E-09	1.14E-09	2.25E-05	3.54E-09	1.39E-09	1.97E-05	3.11E-09	1.22E-09
3616	474363.09, 3850877.25	2.05E-05	3.23E-09	1.27E-09	2.51E-05	3.95E-09	1.55E-09	2.20E-05	3.47E-09	1.36E-09
3617	474863.09, 3850877.25	2.21E-05	3.48E-09	1.37E-09	2.71E-05	4.26E-09	1.67E-09	2.37E-05	3.74E-09	1.47E-09
3618	475363.09, 3850877.25	2.38E-05	3.75E-09	1.47E-09	2.92E-05	4.59E-09	1.80E-09	2.56E-05	4.03E-09	1.58E-09
3619	475863.09, 3850877.25	2.57E-05	4.06E-09	1.59E-09	3.15E-05	4.97E-09	1.95E-09	2.77E-05	4.36E-09	1.71E-09
3620	476363.09, 3850877.25	2.77E-05	4.36E-09	1.71E-09	3.39E-05	5.34E-09	2.10E-09	2.97E-05	4.69E-09	1.84E-09
3621	476863.09, 3850877.25	2.95E-05	4.64E-09	1.82E-09	3.61E-05	5.69E-09	2.23E-09	3.17E-05	4.99E-09	1.96E-09
3622	477363.09, 3850877.25	3.10E-05	4.89E-09	1.92E-09	3.80E-05	5.98E-09	2.35E-09	3.33E-05	5.25E-09	2.06E-09
3623	477863.09, 3850877.25	3.22E-05	5.07E-09	1.99E-09	3.94E-05	6.21E-09	2.44E-09	3.46E-05	5.44E-09	2.14E-09
3624	478363.09, 3850877.25	3.29E-05	5.18E-09	2.04E-09	4.03E-05	6.35E-09	2.49E-09	3.54E-05	5.57E-09	2.19E-09
3625	478863.09, 3850877.25	3.33E-05	5.24E-09	2.06E-09	4.08E-05	6.42E-09	2.52E-09	3.58E-05	5.63E-09	2.21E-09
3626	479363.09, 3850877.25	3.41E-05	5.37E-09	2.11E-09	4.18E-05	6.58E-09	2.59E-09	3.67E-05	5.77E-09	2.27E-09
3627	479863.09, 3850877.25	3.90E-05	6.14E-09	2.41E-09	4.77E-05	7.52E-09	2.95E-09	4.19E-05	6.59E-09	2.59E-09
3628	480363.09, 3850877.25	4.60E-05	7.24E-09	2.85E-09	5.63E-05	8.87E-09	3.49E-09	4.94E-05	7.78E-09	3.06E-09
3629	480863.09, 3850877.25	4.78E-05	7.53E-09	2.96E-09	5.86E-05	9.22E-09	3.62E-09	5.14E-05	8.09E-09	3.18E-09
3630	481363.09, 3850877.25	4.33E-05	6.82E-09	2.68E-09	5.30E-05	8.35E-09	3.28E-09	4.65E-05	7.32E-09	2.88E-09
3631	481863.09, 3850877.25	3.56E-05	5.61E-09	2.20E-09	4.36E-05	6.87E-09	2.70E-09	3.83E-05	6.03E-09	2.37E-09
3632	482363.09, 3850877.25	2.77E-05	4.36E-09	1.71E-09	3.39E-05	5.34E-09	2.10E-09	2.97E-05	4.68E-09	1.84E-09
3633	482863.09, 3850877.25	2.14E-05	3.38E-09	1.33E-09	2.63E-05	4.14E-09	1.63E-09	2.30E-05	3.63E-09	1.43E-09
3634	483363.09, 3850877.25	1.60E-05	2.52E-09	9.89E-10	1.96E-05	3.08E-09	1.21E-09	1.72E-05	2.70E-09	1.06E-09
3635	483863.09, 3850877.25	1.55E-05	2.44E-09	9.60E-10	1.90E-05	2.99E-09	1.18E-09	1.67E-05	2.62E-09	1.03E-09
3636	484363.09, 3850877.25	1.80E-05	2.84E-09	1.12E-09	2.21E-05	3.48E-09	1.37E-09	1.94E-05	3.05E-09	1.20E-09

3637	484863.09, 3850877.25	1.76E-05	2.77E-09	1.09E-09	2.15E-05	3.39E-09	1.33E-09	1.89E-05	2.97E-09	1.17E-09
3638	485363.09, 3850877.25	1.84E-05	2.89E-09	1.14E-09	2.25E-05	3.54E-09	1.39E-09	1.97E-05	3.11E-09	1.22E-09
3639	485863.09, 3850877.25	1.53E-05	2.41E-09	9.46E-10	1.87E-05	2.95E-09	1.16E-09	1.64E-05	2.59E-09	1.02E-09
3640	486363.09, 3850877.25	1.57E-05	2.48E-09	9.74E-10	1.93E-05	3.04E-09	1.19E-09	1.69E-05	2.66E-09	1.05E-09
3641	486863.09, 3850877.25	1.51E-05	2.38E-09	9.33E-10	1.85E-05	2.91E-09	1.14E-09	1.62E-05	2.55E-09	1.00E-09
3642	487363.09, 3850877.25	1.44E-05	2.27E-09	8.92E-10	1.77E-05	2.78E-09	1.09E-09	1.55E-05	2.44E-09	9.58E-10
3643	487863.09, 3850877.25	1.47E-05	2.31E-09	9.07E-10	1.80E-05	2.83E-09	1.11E-09	1.57E-05	2.48E-09	9.74E-10
3644	488363.09, 3850877.25	1.50E-05	2.36E-09	9.27E-10	1.83E-05	2.89E-09	1.14E-09	1.61E-05	2.54E-09	9.96E-10
3645	488863.09, 3850877.25	1.51E-05	2.38E-09	9.37E-10	1.85E-05	2.92E-09	1.15E-09	1.63E-05	2.56E-09	1.01E-09
3646	489363.09, 3850877.25	1.54E-05	2.43E-09	9.56E-10	1.89E-05	2.98E-09	1.17E-09	1.66E-05	2.61E-09	1.03E-09
3647	489863.09, 3850877.25	1.56E-05	2.46E-09	9.66E-10	1.91E-05	3.01E-09	1.18E-09	1.68E-05	2.64E-09	1.04E-09
3648	490363.09, 3850877.25	1.63E-05	2.56E-09	1.01E-09	1.99E-05	3.14E-09	1.23E-09	1.75E-05	2.75E-09	1.08E-09
3649	490863.09, 3850877.25	1.69E-05	2.66E-09	1.04E-09	2.07E-05	3.25E-09	1.28E-09	1.81E-05	2.85E-09	1.12E-09
3650	491363.09, 3850877.25	1.68E-05	2.65E-09	1.04E-09	2.06E-05	3.25E-09	1.28E-09	1.81E-05	2.85E-09	1.12E-09
3651	491863.09, 3850877.25	1.66E-05	2.61E-09	1.03E-09	2.03E-05	3.20E-09	1.26E-09	1.78E-05	2.80E-09	1.10E-09
3652	492363.09, 3850877.25	1.64E-05	2.58E-09	1.01E-09	2.01E-05	3.16E-09	1.24E-09	1.76E-05	2.77E-09	1.09E-09
3653	492863.09, 3850877.25	1.65E-05	2.60E-09	1.02E-09	2.02E-05	3.18E-09	1.25E-09	1.77E-05	2.79E-09	1.10E-09
3654	493363.09, 3850877.25	1.70E-05	2.67E-09	1.05E-09	2.08E-05	3.28E-09	1.29E-09	1.82E-05	2.87E-09	1.13E-09
3655	493863.09, 3850877.25	1.90E-05	3.00E-09	1.18E-09	2.33E-05	3.67E-09	1.44E-09	2.04E-05	3.22E-09	1.26E-09
3656	494363.09, 3850877.25	2.02E-05	3.18E-09	1.25E-09	2.47E-05	3.90E-09	1.53E-09	2.17E-05	3.42E-09	1.34E-09
3657	494863.09, 3850877.25	2.26E-05	3.56E-09	1.40E-09	2.77E-05	4.36E-09	1.71E-09	2.43E-05	3.82E-09	1.50E-09
3658	495363.09, 3850877.25	2.52E-05	3.98E-09	1.56E-09	3.09E-05	4.87E-09	1.91E-09	2.71E-05	4.27E-09	1.68E-09
3659	495863.09, 3850877.25	2.59E-05	4.09E-09	1.61E-09	3.18E-05	5.00E-09	1.97E-09	2.79E-05	4.39E-09	1.72E-09
3660	496363.09, 3850877.25	2.75E-05	4.33E-09	1.70E-09	3.37E-05	5.31E-09	2.08E-09	2.95E-05	4.65E-09	1.83E-09
3661	496863.09, 3850877.25	3.00E-05	4.72E-09	1.85E-09	3.67E-05	5.78E-09	2.27E-09	3.22E-05	5.07E-09	1.99E-09
3662	497363.09, 3850877.25	3.03E-05	4.77E-09	1.88E-09	3.71E-05	5.85E-09	2.30E-09	3.25E-05	5.13E-09	2.01E-09
3663	497863.09, 3850877.25	2.99E-05	4.71E-09	1.85E-09	3.66E-05	5.77E-09	2.27E-09	3.21E-05	5.06E-09	1.99E-09
3664	498363.09, 3850877.25	2.94E-05	4.63E-09	1.82E-09	3.60E-05	5.68E-09	2.23E-09	3.16E-05	4.98E-09	1.95E-09
3665	471363.09, 3851377.25	1.40E-05	2.20E-09	8.65E-10	1.71E-05	2.70E-09	1.06E-09	1.50E-05	2.37E-09	9.30E-10
3666	471863.09, 3851377.25	1.67E-05	2.63E-09	1.03E-09	2.04E-05	3.22E-09	1.27E-09	1.79E-05	2.82E-09	1.11E-09
3667	472363.09, 3851377.25	1.72E-05	2.72E-09	1.07E-09	2.11E-05	3.33E-09	1.31E-09	1.85E-05	2.92E-09	1.15E-09
3668	472863.09, 3851377.25	1.79E-05	2.81E-09	1.10E-09	2.19E-05	3.44E-09	1.35E-09	1.92E-05	3.02E-09	1.19E-09
3669	473363.09, 3851377.25	1.70E-05	2.68E-09	1.05E-09	2.08E-05	3.28E-09	1.29E-09	1.83E-05	2.88E-09	1.13E-09
3670	473863.09, 3851377.25	1.79E-05	2.82E-09	1.11E-09	2.19E-05	3.46E-09	1.36E-09	1.92E-05	3.03E-09	1.19E-09
3671	474363.09, 3851377.25	2.02E-05	3.19E-09	1.25E-09	2.48E-05	3.90E-09	1.53E-09	2.17E-05	3.42E-09	1.34E-09
3672	474863.09, 3851377.25	2.21E-05	3.48E-09	1.37E-09	2.71E-05	4.27E-09	1.68E-09	2.37E-05	3.74E-09	1.47E-09
3673	475363.09, 3851377.25	2.42E-05	3.81E-09	1.49E-09	2.96E-05	4.66E-09	1.83E-09	2.60E-05	4.09E-09	1.61E-09
3674	475863.09, 3851377.25	2.60E-05	4.10E-09	1.61E-09	3.19E-05	5.02E-09	1.97E-09	2.80E-05	4.41E-09	1.73E-09
3675	476363.09, 3851377.25	2.82E-05	4.44E-09	1.75E-09	3.45E-05	5.44E-09	2.14E-09	3.03E-05	4.77E-09	1.88E-09
3676	476863.09, 3851377.25	3.02E-05	4.76E-09	1.87E-09	3.70E-05	5.83E-09	2.29E-09	3.25E-05	5.12E-09	2.01E-09
3677	477363.09, 3851377.25	3.32E-05	5.24E-09	2.06E-09	4.07E-05	6.41E-09	2.52E-09	3.57E-05	5.63E-09	2.21E-09
3678	477863.09, 3851377.25	3.56E-05	5.61E-09	2.21E-09	4.36E-05	6.88E-09	2.70E-09	3.83E-05	6.03E-09	2.37E-09
3679	478363.09, 3851377.25	3.75E-05	5.91E-09	2.32E-09	4.60E-05	7.24E-09	2.85E-09	4.03E-05	6.35E-09	2.50E-09
3680	478863.09, 3851377.25	3.89E-05	6.14E-09	2.41E-09	4.77E-05	7.52E-09	2.95E-09	4.19E-05	6.59E-09	2.59E-09
3681	479363.09, 3851377.25	3.97E-05	6.25E-09	2.45E-09	4.86E-05	7.65E-09	3.01E-09	4.26E-05	6.72E-09	2.64E-09
3682	479863.09, 3851377.25	4.07E-05	6.41E-09	2.52E-09	4.99E-05	7.86E-09	3.09E-09	4.38E-05	6.89E-09	2.71E-09
3683	480363.09, 3851377.25	4.64E-05	7.31E-09	2.87E-09	5.69E-05	8.96E-09	3.52E-09	4.99E-05	7.86E-09	3.09E-09
3684	480863.09, 3851377.25	5.47E-05	8.62E-09	3.39E-09	6.71E-05	1.06E-08	4.15E-09	5.88E-05	9.27E-09	3.64E-09
3685	481363.09, 3851377.25	5.76E-05	9.08E-09	3.57E-09	7.06E-05	1.11E-08	4.37E-09	6.19E-05	9.76E-09	3.83E-09
3686	481863.09, 3851377.25	5.12E-05	8.07E-09	3.17E-09	6.27E-05	9.88E-09	3.88E-09	5.50E-05	8.67E-09	3.41E-09
3687	482363.09, 3851377.25	4.42E-05	6.97E-09	2.74E-09	5.42E-05	8.54E-09	3.35E-09	4.75E-05	7.49E-09	2.94E-09
3688	482863.09, 3851377.25	3.44E-05	5.41E-09	2.13E-09	4.21E-05	6.63E-09	2.60E-09	3.69E-05	5.82E-09	2.29E-09
3689	483363.09, 3851377.25	2.44E-05	3.84E-09	1.51E-09	2.98E-05	4.70E-09	1.85E-09	2.62E-05	4.12E-09	1.62E-09
3690	483863.09, 3851377.25	2.12E-05	3.35E-09	1.31E-09	2.60E-05	4.10E-09	1.61E-09	2.28E-05	3.59E-09	1.41E-09
3691	484363.09, 3851377.25	2.66E-05	4.19E-09	1.65E-09	3.26E-05	5.13E-09	2.02E-09	2.86E-05	4.50E-09	1.77E-09
3692	484863.09, 3851377.25	1.84E-05	2.90E-09	1.14E-09	2.26E-05	3.56E-09	1.40E-09	1.98E-05	3.12E-09	1.23E-09
3693	485363.09, 3851377.25	2.47E-05	3.88E-09	1.53E-09	3.02E-05	4.76E-09	1.87E-09	2.65E-05	4.17E-09	1.64E-09
3694	485863.09, 3851377.25	1.99E-05	3.14E-09	1.23E-09	2.44E-05	3.85E-09	1.51E-09	2.14E-05	3.38E-09	1.33E-09
3695	486363.09, 3851377.25	2.17E-05	3.42E-09	1.34E-09	2.66E-05	4.19E-09	1.65E-09	2.33E-05	3.68E-09	1.44E-09
3696	486863.09, 3851377.25	2.05E-05	3.24E-09	1.27E-09	2.52E-05	3.96E-09	1.56E-09	2.21E-05	3.48E-09	1.37E-09
3697	487363.09, 3851377.25	1.77E-05	2.79E-09	1.10E-09	2.17E-05	3.42E-09	1.34E-09	1.90E-05	3.00E-09	1.18E-09
3698	487863.09, 3851377.25	1.98E-05	3.12E-09	1.23E-09	2.43E-05	3.83E-09	1.50E-09	2.13E-05	3.36E-09	1.32E-09
3699	488363.09, 3851377.25	2.06E-05	3.25E-09	1.28E-09	2.52E-05	3.98E-09	1.56E-09	2.21E-05	3.49E-09	1.37E-09
3700	488863.09, 3851377.25	2.09E-05	3.30E-09	1.30E-09	2.57E-05	4.04E-09	1.59E-09	2.25E-05	3.54E-09	1.39E-09
3701	489363.09, 3851377.25	2.16E-05	3.40E-09	1.34E-09	2.65E-05	4.17E-09	1.64E-09	2.32E-05	3.66E-09	1.44E-09

3702	489863.09, 3851377.25	2.23E-05	3.51E-09	1.38E-09	2.73E-05	4.30E-09	1.69E-09	2.39E-05	3.77E-09	1.48E-09
3703	490363.09, 3851377.25	2.31E-05	3.63E-09	1.43E-09	2.83E-05	4.45E-09	1.75E-09	2.48E-05	3.90E-09	1.53E-09
3704	490863.09, 3851377.25	2.35E-05	3.71E-09	1.46E-09	2.88E-05	4.54E-09	1.78E-09	2.53E-05	3.98E-09	1.56E-09
3705	491363.09, 3851377.25	2.33E-05	3.67E-09	1.44E-09	2.86E-05	4.50E-09	1.77E-09	2.50E-05	3.94E-09	1.55E-09
3706	491863.09, 3851377.25	2.33E-05	3.67E-09	1.44E-09	2.86E-05	4.50E-09	1.77E-09	2.50E-05	3.94E-09	1.55E-09
3707	492363.09, 3851377.25	2.37E-05	3.73E-09	1.46E-09	2.90E-05	4.57E-09	1.79E-09	2.54E-05	4.00E-09	1.57E-09
3708	492863.09, 3851377.25	2.33E-05	3.68E-09	1.45E-09	2.86E-05	4.51E-09	1.77E-09	2.51E-05	3.95E-09	1.55E-09
3709	493363.09, 3851377.25	2.12E-05	3.35E-09	1.31E-09	2.60E-05	4.10E-09	1.61E-09	2.28E-05	3.59E-09	1.41E-09
3710	493863.09, 3851377.25	2.35E-05	3.71E-09	1.46E-09	2.88E-05	4.54E-09	1.78E-09	2.53E-05	3.98E-09	1.56E-09
3711	494363.09, 3851377.25	2.83E-05	4.46E-09	1.75E-09	3.47E-05	5.46E-09	2.15E-09	3.04E-05	4.79E-09	1.88E-09
3712	494863.09, 3851377.25	2.97E-05	4.67E-09	1.84E-09	3.63E-05	5.72E-09	2.25E-09	3.19E-05	5.02E-09	1.97E-09
3713	495363.09, 3851377.25	3.46E-05	5.45E-09	2.14E-09	4.24E-05	6.67E-09	2.62E-09	3.71E-05	5.85E-09	2.30E-09
3714	495863.09, 3851377.25	3.65E-05	5.75E-09	2.26E-09	4.47E-05	7.05E-09	2.77E-09	3.92E-05	6.18E-09	2.43E-09
3715	496363.09, 3851377.25	3.75E-05	5.90E-09	2.32E-09	4.59E-05	7.23E-09	2.84E-09	4.02E-05	6.34E-09	2.49E-09
3716	496863.09, 3851377.25	3.77E-05	5.94E-09	2.33E-09	4.62E-05	7.27E-09	2.86E-09	4.05E-05	6.38E-09	2.51E-09
3717	497363.09, 3851377.25	3.77E-05	5.94E-09	2.33E-09	4.62E-05	7.28E-09	2.86E-09	4.05E-05	6.38E-09	2.51E-09
3718	497863.09, 3851377.25	3.70E-05	5.83E-09	2.29E-09	4.53E-05	7.14E-09	2.80E-09	3.97E-05	6.26E-09	2.46E-09
3719	498363.09, 3851377.25	3.49E-05	5.50E-09	2.16E-09	4.28E-05	6.74E-09	2.65E-09	3.75E-05	5.91E-09	2.32E-09
3720	471363.09, 3851877.25	1.56E-05	2.45E-09	9.63E-10	1.91E-05	3.00E-09	1.18E-09	1.67E-05	2.63E-09	1.03E-09
3721	471863.09, 3851877.25	1.53E-05	2.42E-09	9.49E-10	1.88E-05	2.96E-09	1.16E-09	1.65E-05	2.59E-09	1.02E-09
3722	472363.09, 3851877.25	1.71E-05	2.69E-09	1.06E-09	2.09E-05	3.30E-09	1.30E-09	1.84E-05	2.89E-09	1.14E-09
3723	472863.09, 3851877.25	1.87E-05	2.94E-09	1.16E-09	2.29E-05	3.61E-09	1.42E-09	2.01E-05	3.16E-09	1.24E-09
3724	473363.09, 3851877.25	1.81E-05	2.85E-09	1.12E-09	2.21E-05	3.49E-09	1.37E-09	1.94E-05	3.06E-09	1.20E-09
3725	473863.09, 3851877.25	1.88E-05	2.96E-09	1.16E-09	2.30E-05	3.63E-09	1.43E-09	2.02E-05	3.18E-09	1.25E-09
3726	474363.09, 3851877.25	2.16E-05	3.40E-09	1.33E-09	2.64E-05	4.16E-09	1.63E-09	2.32E-05	3.65E-09	1.43E-09
3727	474863.09, 3851877.25	2.40E-05	3.77E-09	1.48E-09	2.93E-05	4.62E-09	1.82E-09	2.57E-05	4.05E-09	1.59E-09
3728	475363.09, 3851877.25	2.54E-05	4.00E-09	1.57E-09	3.11E-05	4.90E-09	1.93E-09	2.73E-05	4.30E-09	1.69E-09
3729	475863.09, 3851877.25	2.66E-05	4.19E-09	1.65E-09	3.26E-05	5.14E-09	2.02E-09	2.86E-05	4.50E-09	1.77E-09
3730	476363.09, 3851877.25	2.71E-05	4.27E-09	1.68E-09	3.32E-05	5.23E-09	2.05E-09	2.91E-05	4.58E-09	1.80E-09
3731	476863.09, 3851877.25	2.97E-05	4.68E-09	1.84E-09	3.64E-05	5.73E-09	2.25E-09	3.19E-05	5.03E-09	1.97E-09
3732	477363.09, 3851877.25	3.29E-05	5.19E-09	2.04E-09	4.03E-05	6.36E-09	2.50E-09	3.54E-05	5.57E-09	2.19E-09
3733	477863.09, 3851877.25	3.64E-05	5.73E-09	2.25E-09	4.46E-05	7.02E-09	2.76E-09	3.91E-05	6.16E-09	2.42E-09
3734	478363.09, 3851877.25	3.94E-05	6.21E-09	2.44E-09	4.83E-05	7.61E-09	2.99E-09	4.23E-05	6.67E-09	2.62E-09
3735	478863.09, 3851877.25	4.34E-05	6.84E-09	2.69E-09	5.32E-05	8.38E-09	3.29E-09	4.66E-05	7.35E-09	2.89E-09
3736	479363.09, 3851877.25	4.67E-05	7.36E-09	2.89E-09	5.72E-05	9.02E-09	3.54E-09	5.02E-05	7.91E-09	3.11E-09
3737	479863.09, 3851877.25	4.83E-05	7.61E-09	2.99E-09	5.91E-05	9.32E-09	3.66E-09	5.19E-05	8.17E-09	3.21E-09
3738	480363.09, 3851877.25	4.96E-05	7.82E-09	3.07E-09	6.08E-05	9.58E-09	3.76E-09	5.34E-05	8.41E-09	3.30E-09
3739	480863.09, 3851877.25	5.63E-05	8.86E-09	3.48E-09	6.89E-05	1.09E-08	4.26E-09	6.05E-05	9.53E-09	3.74E-09
3740	481363.09, 3851877.25	6.63E-05	1.04E-08	4.11E-09	8.12E-05	1.28E-08	5.03E-09	7.13E-05	1.12E-08	4.41E-09
3741	481863.09, 3851877.25	7.04E-05	1.11E-08	4.36E-09	8.62E-05	1.36E-08	5.34E-09	7.57E-05	1.19E-08	4.68E-09
3742	482363.09, 3851877.25	5.66E-05	8.91E-09	3.50E-09	6.93E-05	1.09E-08	4.29E-09	6.08E-05	9.58E-09	3.76E-09
3743	482863.09, 3851877.25	3.92E-05	6.18E-09	2.43E-09	4.80E-05	7.57E-09	2.97E-09	4.21E-05	6.64E-09	2.61E-09
3744	483363.09, 3851877.25	3.94E-05	6.20E-09	2.44E-09	4.82E-05	7.60E-09	2.98E-09	4.23E-05	6.66E-09	2.62E-09
3745	483863.09, 3851877.25	3.58E-05	5.64E-09	2.21E-09	4.38E-05	6.90E-09	2.71E-09	3.84E-05	6.05E-09	2.38E-09
3746	484363.09, 3851877.25	3.78E-05	5.96E-09	2.34E-09	4.63E-05	7.30E-09	2.87E-09	4.06E-05	6.40E-09	2.51E-09
3747	484863.09, 3851877.25	3.24E-05	5.10E-09	2.00E-09	3.97E-05	6.25E-09	2.45E-09	3.48E-05	5.48E-09	2.15E-09
3748	485363.09, 3851877.25	3.31E-05	5.21E-09	2.05E-09	4.05E-05	6.39E-09	2.51E-09	3.56E-05	5.60E-09	2.20E-09
3749	485863.09, 3851877.25	3.31E-05	5.22E-09	2.05E-09	4.06E-05	6.39E-09	2.51E-09	3.56E-05	5.61E-09	2.20E-09
3750	486363.09, 3851877.25	2.89E-05	4.55E-09	1.79E-09	3.54E-05	5.57E-09	2.19E-09	3.10E-05	4.89E-09	1.92E-09
3751	486863.09, 3851877.25	2.86E-05	4.51E-09	1.77E-09	3.51E-05	5.52E-09	2.17E-09	3.08E-05	4.85E-09	1.90E-09
3752	487363.09, 3851877.25	2.84E-05	4.47E-09	1.76E-09	3.48E-05	5.48E-09	2.15E-09	3.05E-05	4.80E-09	1.89E-09
3753	487863.09, 3851877.25	2.49E-05	3.92E-09	1.54E-09	3.05E-05	4.80E-09	1.89E-09	2.67E-05	4.21E-09	1.65E-09
3754	488363.09, 3851877.25	2.59E-05	4.08E-09	1.60E-09	3.17E-05	5.00E-09	1.96E-09	2.78E-05	4.38E-09	1.72E-09
3755	488863.09, 3851877.25	2.58E-05	4.06E-09	1.59E-09	3.16E-05	4.97E-09	1.95E-09	2.77E-05	4.36E-09	1.71E-09
3756	489363.09, 3851877.25	2.61E-05	4.11E-09	1.61E-09	3.19E-05	5.03E-09	1.98E-09	2.80E-05	4.41E-09	1.73E-09
3757	489863.09, 3851877.25	2.69E-05	4.24E-09	1.67E-09	3.30E-05	5.20E-09	2.04E-09	2.89E-05	4.55E-09	1.79E-09
3758	490363.09, 3851877.25	2.86E-05	4.51E-09	1.77E-09	3.51E-05	5.52E-09	2.17E-09	3.07E-05	4.84E-09	1.90E-09
3759	490863.09, 3851877.25	3.06E-05	4.82E-09	1.89E-09	3.75E-05	5.90E-09	2.32E-09	3.28E-05	5.17E-09	2.03E-09
3760	491363.09, 3851877.25	3.27E-05	5.15E-09	2.02E-09	4.00E-05	6.30E-09	2.48E-09	3.51E-05	5.52E-09	2.17E-09
3761	491863.09, 3851877.25	3.41E-05	5.37E-09	2.11E-09	4.17E-05	6.58E-09	2.58E-09	3.66E-05	5.76E-09	2.26E-09
3762	492363.09, 3851877.25	3.34E-05	5.26E-09	2.07E-09	4.09E-05	6.44E-09	2.53E-09	3.58E-05	5.65E-09	2.22E-09
3763	492863.09, 3851877.25	2.90E-05	4.57E-09	1.80E-09	3.56E-05	5.60E-09	2.20E-09	3.12E-05	4.91E-09	1.93E-09
3764	493363.09, 3851877.25	3.51E-05	5.53E-09	2.17E-09	4.30E-05	6.78E-09	2.66E-09	3.77E-05	5.94E-09	2.33E-09
3765	493863.09, 3851877.25	4.20E-05	6.61E-09	2.60E-09	5.14E-05	8.10E-09	3.18E-09	4.51E-05	7.10E-09	2.79E-09
3766	494363.09, 3851877.25	4.08E-05	6.42E-09	2.52E-09	5.00E-05	7.87E-09	3.09E-09	4.38E-05	6.90E-09	2.71E-09

3767	494863.09, 3851877.25	4.51E-05	7.11E-09	2.79E-09	5.53E-05	8.71E-09	3.42E-09	4.85E-05	7.64E-09	3.00E-09
3768	495363.09, 3851877.25	4.78E-05	7.53E-09	2.96E-09	5.85E-05	9.22E-09	3.62E-09	5.13E-05	8.09E-09	3.18E-09
3769	495863.09, 3851877.25	4.93E-05	7.76E-09	3.05E-09	6.03E-05	9.51E-09	3.73E-09	5.29E-05	8.33E-09	3.27E-09
3770	496363.09, 3851877.25	4.85E-05	7.64E-09	3.00E-09	5.94E-05	9.36E-09	3.68E-09	5.21E-05	8.20E-09	3.22E-09
3771	496863.09, 3851877.25	4.73E-05	7.45E-09	2.93E-09	5.79E-05	9.12E-09	3.58E-09	5.08E-05	8.00E-09	3.14E-09
3772	497363.09, 3851877.25	4.57E-05	7.20E-09	2.83E-09	5.60E-05	8.82E-09	3.46E-09	4.91E-05	7.73E-09	3.04E-09
3773	497863.09, 3851877.25	4.25E-05	6.69E-09	2.63E-09	5.20E-05	8.19E-09	3.22E-09	4.56E-05	7.18E-09	2.82E-09
3774	498363.09, 3851877.25	3.95E-05	6.23E-09	2.45E-09	4.84E-05	7.63E-09	3.00E-09	4.25E-05	6.69E-09	2.63E-09
3775	471363.09, 3852377.25	1.45E-05	2.29E-09	8.99E-10	1.78E-05	2.80E-09	1.10E-09	1.56E-05	2.46E-09	9.65E-10
3776	471863.09, 3852377.25	1.66E-05	2.61E-09	1.02E-09	2.03E-05	3.19E-09	1.26E-09	1.78E-05	2.80E-09	1.10E-09
3777	472363.09, 3852377.25	1.80E-05	2.84E-09	1.11E-09	2.21E-05	3.48E-09	1.37E-09	1.93E-05	3.05E-09	1.20E-09
3778	472863.09, 3852377.25	1.93E-05	3.04E-09	1.19E-09	2.36E-05	3.72E-09	1.46E-09	2.07E-05	3.26E-09	1.28E-09
3779	473363.09, 3852377.25	2.01E-05	3.17E-09	1.24E-09	2.46E-05	3.88E-09	1.52E-09	2.16E-05	3.40E-09	1.34E-09
3780	473863.09, 3852377.25	2.06E-05	3.24E-09	1.27E-09	2.52E-05	3.97E-09	1.56E-09	2.21E-05	3.48E-09	1.37E-09
3781	474363.09, 3852377.25	2.13E-05	3.36E-09	1.32E-09	2.61E-05	4.11E-09	1.61E-09	2.29E-05	3.61E-09	1.42E-09
3782	474863.09, 3852377.25	2.58E-05	4.06E-09	1.60E-09	3.16E-05	4.98E-09	1.95E-09	2.77E-05	4.36E-09	1.71E-09
3783	475363.09, 3852377.25	2.69E-05	4.24E-09	1.67E-09	3.30E-05	5.20E-09	2.04E-09	2.89E-05	4.56E-09	1.79E-09
3784	475863.09, 3852377.25	2.81E-05	4.42E-09	1.74E-09	3.44E-05	5.41E-09	2.13E-09	3.01E-05	4.75E-09	1.86E-09
3785	476363.09, 3852377.25	2.87E-05	4.52E-09	1.77E-09	3.51E-05	5.53E-09	2.17E-09	3.08E-05	4.85E-09	1.91E-09
3786	476863.09, 3852377.25	3.04E-05	4.78E-09	1.88E-09	3.72E-05	5.86E-09	2.30E-09	3.26E-05	5.14E-09	2.02E-09
3787	477363.09, 3852377.25	3.15E-05	4.96E-09	1.95E-09	3.86E-05	6.08E-09	2.39E-09	3.38E-05	5.33E-09	2.09E-09
3788	477863.09, 3852377.25	2.95E-05	4.65E-09	1.83E-09	3.62E-05	5.70E-09	2.24E-09	3.17E-05	5.00E-09	1.96E-09
3789	478363.09, 3852377.25	2.90E-05	4.58E-09	1.80E-09	3.56E-05	5.60E-09	2.20E-09	3.12E-05	4.91E-09	1.93E-09
3790	478863.09, 3852377.25	3.82E-05	6.01E-09	2.36E-09	4.68E-05	7.37E-09	2.89E-09	4.10E-05	6.46E-09	2.54E-09
3791	479363.09, 3852377.25	4.59E-05	7.23E-09	2.84E-09	5.62E-05	8.86E-09	3.48E-09	4.93E-05	7.77E-09	3.05E-09
3792	479863.09, 3852377.25	5.55E-05	8.74E-09	3.43E-09	6.80E-05	1.07E-08	4.21E-09	5.96E-05	9.39E-09	3.69E-09
3793	480363.09, 3852377.25	6.05E-05	9.54E-09	3.75E-09	7.42E-05	1.17E-08	4.59E-09	6.51E-05	1.02E-08	4.03E-09
3794	480863.09, 3852377.25	6.28E-05	9.90E-09	3.89E-09	7.70E-05	1.21E-08	4.76E-09	6.75E-05	1.06E-08	4.18E-09
3795	481363.09, 3852377.25	7.11E-05	1.12E-08	4.40E-09	8.71E-05	1.37E-08	5.39E-09	7.65E-05	1.20E-08	4.73E-09
3796	481863.09, 3852377.25	8.40E-05	1.32E-08	5.20E-09	1.03E-04	1.62E-08	6.37E-09	9.02E-05	1.42E-08	5.58E-09
3797	482363.09, 3852377.25	8.82E-05	1.39E-08	5.46E-09	1.08E-04	1.70E-08	6.69E-09	9.48E-05	1.49E-08	5.87E-09
3798	482863.09, 3852377.25	7.96E-05	1.25E-08	4.93E-09	9.75E-05	1.54E-08	6.04E-09	8.55E-05	1.35E-08	5.29E-09
3799	483363.09, 3852377.25	5.82E-05	9.17E-09	3.60E-09	7.13E-05	1.12E-08	4.41E-09	6.25E-05	9.85E-09	3.87E-09
3800	483863.09, 3852377.25	4.77E-05	7.52E-09	2.95E-09	5.85E-05	9.21E-09	3.62E-09	5.13E-05	8.08E-09	3.17E-09
3801	484363.09, 3852377.25	5.25E-05	8.27E-09	3.25E-09	6.43E-05	1.01E-08	3.98E-09	5.64E-05	8.88E-09	3.49E-09
3802	484863.09, 3852377.25	5.29E-05	8.33E-09	3.27E-09	6.48E-05	1.02E-08	4.01E-09	5.69E-05	8.96E-09	3.52E-09
3803	485363.09, 3852377.25	5.47E-05	8.62E-09	3.39E-09	6.71E-05	1.06E-08	4.15E-09	5.89E-05	9.27E-09	3.64E-09
3804	485863.09, 3852377.25	4.96E-05	7.81E-09	3.07E-09	6.07E-05	9.57E-09	3.76E-09	5.33E-05	8.40E-09	3.30E-09
3805	486363.09, 3852377.25	4.15E-05	6.54E-09	2.57E-09	5.08E-05	8.01E-09	3.15E-09	4.46E-05	7.02E-09	2.76E-09
3806	486863.09, 3852377.25	3.91E-05	6.16E-09	2.42E-09	4.79E-05	7.54E-09	2.96E-09	4.20E-05	6.62E-09	2.60E-09
3807	487363.09, 3852377.25	3.60E-05	5.67E-09	2.23E-09	4.41E-05	6.94E-09	2.73E-09	3.87E-05	6.09E-09	2.39E-09
3808	487863.09, 3852377.25	3.44E-05	5.41E-09	2.13E-09	4.21E-05	6.63E-09	2.61E-09	3.69E-05	5.82E-09	2.29E-09
3809	488363.09, 3852377.25	3.37E-05	5.30E-09	2.08E-09	4.13E-05	6.50E-09	2.55E-09	3.62E-05	5.70E-09	2.24E-09
3810	488863.09, 3852377.25	3.27E-05	5.15E-09	2.02E-09	4.00E-05	6.31E-09	2.48E-09	3.51E-05	5.53E-09	2.17E-09
3811	489363.09, 3852377.25	3.28E-05	5.16E-09	2.03E-09	4.02E-05	6.33E-09	2.49E-09	3.52E-05	5.54E-09	2.18E-09
3812	489863.09, 3852377.25	3.15E-05	4.97E-09	1.95E-09	3.86E-05	6.08E-09	2.39E-09	3.38E-05	5.33E-09	2.09E-09
3813	490363.09, 3852377.25	3.63E-05	5.72E-09	2.25E-09	4.45E-05	7.00E-09	2.75E-09	3.89E-05	6.14E-09	2.41E-09
3814	490863.09, 3852377.25	4.01E-05	6.32E-09	2.48E-09	4.91E-05	7.74E-09	3.04E-09	4.30E-05	6.78E-09	2.66E-09
3815	491363.09, 3852377.25	4.81E-05	7.58E-09	2.98E-09	5.89E-05	9.28E-09	3.65E-09	5.16E-05	8.13E-09	3.20E-09
3816	491863.09, 3852377.25	5.00E-05	7.88E-09	3.09E-09	6.12E-05	9.65E-09	3.79E-09	5.37E-05	8.46E-09	3.32E-09
3817	492363.09, 3852377.25	5.09E-05	8.02E-09	3.15E-09	6.24E-05	9.83E-09	3.86E-09	5.47E-05	8.62E-09	3.38E-09
3818	492863.09, 3852377.25	5.46E-05	8.60E-09	3.38E-09	6.68E-05	1.05E-08	4.14E-09	5.86E-05	9.23E-09	3.63E-09
3819	493363.09, 3852377.25	6.08E-05	9.57E-09	3.76E-09	7.44E-05	1.17E-08	4.61E-09	6.52E-05	1.03E-08	4.04E-09
3820	493863.09, 3852377.25	6.01E-05	9.46E-09	3.72E-09	7.36E-05	1.16E-08	4.55E-09	6.45E-05	1.02E-08	3.99E-09
3821	494363.09, 3852377.25	5.94E-05	9.36E-09	3.68E-09	7.28E-05	1.15E-08	4.50E-09	6.38E-05	1.00E-08	3.95E-09
3822	494863.09, 3852377.25	6.23E-05	9.81E-09	3.86E-09	7.63E-05	1.20E-08	4.72E-09	6.69E-05	1.05E-08	4.14E-09
3823	495363.09, 3852377.25	6.51E-05	1.03E-08	4.03E-09	7.97E-05	1.26E-08	4.93E-09	6.99E-05	1.10E-08	4.33E-09
3824	495863.09, 3852377.25	6.23E-05	9.82E-09	3.86E-09	7.64E-05	1.20E-08	4.73E-09	6.69E-05	1.05E-08	4.14E-09
3825	496363.09, 3852377.25	5.94E-05	9.35E-09	3.67E-09	7.27E-05	1.15E-08	4.50E-09	6.38E-05	1.00E-08	3.95E-09
3826	496863.09, 3852377.25	5.73E-05	9.03E-09	3.55E-09	7.02E-05	1.11E-08	4.35E-09	6.16E-05	9.70E-09	3.81E-09
3827	497363.09, 3852377.25	5.19E-05	8.18E-09	3.21E-09	6.36E-05	1.00E-08	3.94E-09	5.58E-05	8.78E-09	3.45E-09
3828	497863.09, 3852377.25	4.67E-05	7.35E-09	2.89E-09	5.72E-05	9.01E-09	3.54E-09	5.01E-05	7.90E-09	3.10E-09
3829	498363.09, 3852377.25	4.20E-05	6.62E-09	2.60E-09	5.15E-05	8.11E-09	3.18E-09	4.51E-05	7.11E-09	2.79E-09
3830	471363.09, 3852877.25	1.50E-05	2.36E-09	9.25E-10	1.83E-05	2.89E-09	1.13E-09	1.61E-05	2.53E-09	9.94E-10
3831	471863.09, 3852877.25	1.66E-05	2.61E-09	1.03E-09	2.03E-05	3.20E-09	1.26E-09	1.78E-05	2.81E-09	1.10E-09

3832	472363.09, 3852877.25	1.83E-05	2.88E-09	1.13E-09	2.24E-05	3.52E-09	1.38E-09	1.96E-05	3.09E-09	1.21E-09
3833	472863.09, 3852877.25	1.98E-05	3.13E-09	1.23E-09	2.43E-05	3.83E-09	1.50E-09	2.13E-05	3.36E-09	1.32E-09
3834	473363.09, 3852877.25	2.16E-05	3.41E-09	1.34E-09	2.65E-05	4.17E-09	1.64E-09	2.32E-05	3.66E-09	1.44E-09
3835	473863.09, 3852877.25	2.38E-05	3.74E-09	1.47E-09	2.91E-05	4.58E-09	1.80E-09	2.55E-05	4.02E-09	1.58E-09
3836	474363.09, 3852877.25	2.59E-05	4.09E-09	1.61E-09	3.18E-05	5.00E-09	1.97E-09	2.78E-05	4.39E-09	1.72E-09
3837	474863.09, 3852877.25	2.54E-05	4.00E-09	1.57E-09	3.11E-05	4.90E-09	1.93E-09	2.73E-05	4.30E-09	1.69E-09
3838	475363.09, 3852877.25	2.78E-05	4.38E-09	1.72E-09	3.41E-05	5.37E-09	2.11E-09	2.99E-05	4.71E-09	1.85E-09
3839	475863.09, 3852877.25	2.90E-05	4.57E-09	1.80E-09	3.55E-05	5.60E-09	2.20E-09	3.12E-05	4.91E-09	1.93E-09
3840	476363.09, 3852877.25	2.83E-05	4.46E-09	1.75E-09	3.47E-05	5.46E-09	2.15E-09	3.04E-05	4.79E-09	1.88E-09
3841	476863.09, 3852877.25	2.59E-05	4.08E-09	1.60E-09	3.17E-05	5.00E-09	1.96E-09	2.78E-05	4.38E-09	1.72E-09
3842	477363.09, 3852877.25	2.42E-05	3.81E-09	1.50E-09	2.96E-05	4.67E-09	1.83E-09	2.60E-05	4.09E-09	1.61E-09
3843	477863.09, 3852877.25	2.21E-05	3.49E-09	1.37E-09	2.71E-05	4.27E-09	1.68E-09	2.38E-05	3.74E-09	1.47E-09
3844	478363.09, 3852877.25	1.73E-05	2.72E-09	1.07E-09	2.12E-05	3.34E-09	1.31E-09	1.86E-05	2.93E-09	1.15E-09
3845	478863.09, 3852877.25	2.12E-05	3.34E-09	1.31E-09	2.60E-05	4.09E-09	1.61E-09	2.28E-05	3.59E-09	1.41E-09
3846	479363.09, 3852877.25	3.06E-05	4.82E-09	1.89E-09	3.75E-05	5.90E-09	2.32E-09	3.29E-05	5.18E-09	2.03E-09
3847	479863.09, 3852877.25	5.37E-05	8.46E-09	3.33E-09	6.58E-05	1.04E-08	4.07E-09	5.77E-05	9.09E-09	3.57E-09
3848	480363.09, 3852877.25	7.14E-05	1.12E-08	4.42E-09	8.74E-05	1.38E-08	5.41E-09	7.67E-05	1.21E-08	4.75E-09
3849	480863.09, 3852877.25	7.96E-05	1.25E-08	4.93E-09	9.75E-05	1.54E-08	6.03E-09	8.55E-05	1.35E-08	5.29E-09
3850	481363.09, 3852877.25	8.43E-05	1.33E-08	5.22E-09	1.03E-04	1.63E-08	6.39E-09	9.06E-05	1.43E-08	5.61E-09
3851	481863.09, 3852877.25	9.67E-05	1.52E-08	5.99E-09	1.19E-04	1.87E-08	7.34E-09	1.04E-04	1.64E-08	6.44E-09
3852	482363.09, 3852877.25	1.14E-04	1.80E-08	7.07E-09	1.40E-04	2.20E-08	8.66E-09	1.23E-04	1.93E-08	7.60E-09
3853	482863.09, 3852877.25	1.23E-04	1.93E-08	7.58E-09	1.50E-04	2.36E-08	9.29E-09	1.32E-04	2.08E-08	8.15E-09
3854	483363.09, 3852877.25	1.05E-04	1.66E-08	6.50E-09	1.29E-04	2.03E-08	7.97E-09	1.13E-04	1.78E-08	6.99E-09
3855	483863.09, 3852877.25	7.69E-05	1.21E-08	4.76E-09	9.42E-05	1.48E-08	5.83E-09	8.26E-05	1.30E-08	5.11E-09
3856	484363.09, 3852877.25	8.65E-05	1.36E-08	5.36E-09	1.06E-04	1.67E-08	6.56E-09	9.31E-05	1.47E-08	5.76E-09
3857	484863.09, 3852877.25	8.91E-05	1.40E-08	5.51E-09	1.09E-04	1.72E-08	6.75E-09	9.58E-05	1.51E-08	5.93E-09
3858	485363.09, 3852877.25	6.44E-05	1.02E-08	3.99E-09	7.90E-05	1.24E-08	4.89E-09	6.93E-05	1.09E-08	4.29E-09
3859	485863.09, 3852877.25	5.76E-05	9.08E-09	3.57E-09	7.06E-05	1.11E-08	4.37E-09	6.20E-05	9.76E-09	3.84E-09
3860	486363.09, 3852877.25	5.04E-05	7.94E-09	3.12E-09	6.18E-05	9.73E-09	3.82E-09	5.42E-05	8.54E-09	3.35E-09
3861	486863.09, 3852877.25	4.94E-05	7.78E-09	3.06E-09	6.05E-05	9.53E-09	3.75E-09	5.31E-05	8.37E-09	3.29E-09
3862	487363.09, 3852877.25	4.73E-05	7.45E-09	2.93E-09	5.79E-05	9.13E-09	3.59E-09	5.08E-05	8.00E-09	3.14E-09
3863	487863.09, 3852877.25	4.70E-05	7.41E-09	2.91E-09	5.76E-05	9.08E-09	3.57E-09	5.05E-05	7.96E-09	3.13E-09
3864	488363.09, 3852877.25	3.71E-05	5.84E-09	2.29E-09	4.54E-05	7.16E-09	2.81E-09	3.98E-05	6.27E-09	2.46E-09
3865	488863.09, 3852877.25	4.23E-05	6.67E-09	2.62E-09	5.19E-05	8.17E-09	3.21E-09	4.54E-05	7.16E-09	2.81E-09
3866	489363.09, 3852877.25	4.52E-05	7.12E-09	2.80E-09	5.54E-05	8.72E-09	3.43E-09	4.85E-05	7.64E-09	3.00E-09
3867	489863.09, 3852877.25	4.75E-05	7.48E-09	2.94E-09	5.82E-05	9.16E-09	3.60E-09	5.09E-05	8.03E-09	3.15E-09
3868	490363.09, 3852877.25	6.14E-05	9.67E-09	3.80E-09	7.52E-05	1.18E-08	4.65E-09	6.59E-05	1.04E-08	4.08E-09
3869	490863.09, 3852877.25	6.80E-05	1.07E-08	4.21E-09	8.34E-05	1.31E-08	5.16E-09	7.30E-05	1.15E-08	4.52E-09
3870	491363.09, 3852877.25	7.35E-05	1.16E-08	4.55E-09	9.00E-05	1.42E-08	5.57E-09	7.89E-05	1.24E-08	4.88E-09
3871	491863.09, 3852877.25	7.52E-05	1.18E-08	4.65E-09	9.21E-05	1.45E-08	5.70E-09	8.07E-05	1.27E-08	5.00E-09
3872	492363.09, 3852877.25	7.75E-05	1.22E-08	4.80E-09	9.50E-05	1.50E-08	5.88E-09	8.33E-05	1.31E-08	5.15E-09
3873	492863.09, 3852877.25	8.32E-05	1.31E-08	5.15E-09	1.02E-04	1.61E-08	6.31E-09	8.93E-05	1.41E-08	5.53E-09
3874	493363.09, 3852877.25	8.63E-05	1.36E-08	5.34E-09	1.06E-04	1.67E-08	6.54E-09	9.27E-05	1.46E-08	5.73E-09
3875	493863.09, 3852877.25	8.46E-05	1.33E-08	5.24E-09	1.04E-04	1.63E-08	6.41E-09	9.09E-05	1.43E-08	5.62E-09
3876	494363.09, 3852877.25	8.34E-05	1.31E-08	5.16E-09	1.02E-04	1.61E-08	6.32E-09	8.96E-05	1.41E-08	5.54E-09
3877	494863.09, 3852877.25	8.36E-05	1.32E-08	5.17E-09	1.02E-04	1.61E-08	6.34E-09	8.98E-05	1.41E-08	5.56E-09
3878	495363.09, 3852877.25	7.87E-05	1.24E-08	4.87E-09	9.65E-05	1.52E-08	5.97E-09	8.46E-05	1.33E-08	5.23E-09
3879	495863.09, 3852877.25	7.40E-05	1.17E-08	4.58E-09	9.07E-05	1.43E-08	5.61E-09	7.95E-05	1.25E-08	4.92E-09
3880	496363.09, 3852877.25	7.22E-05	1.14E-08	4.47E-09	8.84E-05	1.39E-08	5.47E-09	7.75E-05	1.22E-08	4.80E-09
3881	496863.09, 3852877.25	6.85E-05	1.08E-08	4.24E-09	8.39E-05	1.32E-08	5.20E-09	7.36E-05	1.16E-08	4.55E-09
3882	497363.09, 3852877.25	5.87E-05	9.25E-09	3.63E-09	7.19E-05	1.13E-08	4.45E-09	6.31E-05	9.93E-09	3.90E-09
3883	497863.09, 3852877.25	4.46E-05	7.03E-09	2.76E-09	5.47E-05	8.61E-09	3.38E-09	4.79E-05	7.55E-09	2.97E-09
3884	498363.09, 3852877.25	4.18E-05	6.58E-09	2.59E-09	5.12E-05	8.06E-09	3.17E-09	4.49E-05	7.07E-09	2.78E-09
3885	471363.09, 3853377.25	1.56E-05	2.46E-09	9.68E-10	1.92E-05	3.02E-09	1.19E-09	1.68E-05	2.65E-09	1.04E-09
3886	471863.09, 3853377.25	1.70E-05	2.69E-09	1.05E-09	2.09E-05	3.29E-09	1.29E-09	1.83E-05	2.88E-09	1.13E-09
3887	472363.09, 3853377.25	1.85E-05	2.91E-09	1.14E-09	2.26E-05	3.56E-09	1.40E-09	1.98E-05	3.12E-09	1.23E-09
3888	472863.09, 3853377.25	2.00E-05	3.15E-09	1.24E-09	2.45E-05	3.86E-09	1.51E-09	2.15E-05	3.38E-09	1.33E-09
3889	473363.09, 3853377.25	2.13E-05	3.36E-09	1.32E-09	2.61E-05	4.11E-09	1.61E-09	2.29E-05	3.60E-09	1.42E-09
3890	473863.09, 3853377.25	2.29E-05	3.61E-09	1.42E-09	2.80E-05	4.42E-09	1.74E-09	2.46E-05	3.87E-09	1.52E-09
3891	474363.09, 3853377.25	2.45E-05	3.87E-09	1.52E-09	3.01E-05	4.74E-09	1.86E-09	2.64E-05	4.15E-09	1.63E-09
3892	474863.09, 3853377.25	2.50E-05	3.94E-09	1.55E-09	3.06E-05	4.82E-09	1.89E-09	2.68E-05	4.23E-09	1.66E-09
3893	475363.09, 3853377.25	2.59E-05	4.09E-09	1.61E-09	3.18E-05	5.01E-09	1.97E-09	2.79E-05	4.39E-09	1.72E-09
3894	475863.09, 3853377.25	2.67E-05	4.21E-09	1.66E-09	3.28E-05	5.16E-09	2.03E-09	2.87E-05	4.52E-09	1.78E-09
3895	476363.09, 3853377.25	2.55E-05	4.02E-09	1.58E-09	3.13E-05	4.93E-09	1.94E-09	2.74E-05	4.32E-09	1.70E-09
3896	476863.09, 3853377.25	2.20E-05	3.46E-09	1.36E-09	2.69E-05	4.24E-09	1.67E-09	2.36E-05	3.72E-09	1.46E-09

3897	477363.09, 3853377.25	2.15E-05	3.39E-09	1.33E-09	2.64E-05	4.15E-09	1.63E-09	2.31E-05	3.64E-09	1.43E-09
3898	477863.09, 3853377.25	2.20E-05	3.47E-09	1.36E-09	2.70E-05	4.25E-09	1.67E-09	2.36E-05	3.72E-09	1.46E-09
3899	478363.09, 3853377.25	1.87E-05	2.94E-09	1.15E-09	2.29E-05	3.60E-09	1.41E-09	2.00E-05	3.16E-09	1.24E-09
3900	478863.09, 3853377.25	1.45E-05	2.28E-09	8.94E-10	1.77E-05	2.79E-09	1.10E-09	1.55E-05	2.44E-09	9.60E-10
3901	479363.09, 3853377.25	2.60E-05	4.09E-09	1.61E-09	3.18E-05	5.01E-09	1.97E-09	2.79E-05	4.39E-09	1.72E-09
3902	479863.09, 3853377.25	4.28E-05	6.74E-09	2.65E-09	5.24E-05	8.26E-09	3.24E-09	4.59E-05	7.24E-09	2.84E-09
3903	480363.09, 3853377.25	7.03E-05	1.11E-08	4.35E-09	8.61E-05	1.36E-08	5.33E-09	7.55E-05	1.19E-08	4.67E-09
3904	480863.09, 3853377.25	7.65E-05	1.21E-08	4.74E-09	9.38E-05	1.48E-08	5.80E-09	8.22E-05	1.30E-08	5.09E-09
3905	481363.09, 3853377.25	1.08E-04	1.71E-08	6.71E-09	1.33E-04	2.09E-08	8.22E-09	1.17E-04	1.84E-08	7.21E-09
3906	481863.09, 3853377.25	1.29E-04	2.03E-08	7.97E-09	1.58E-04	2.49E-08	9.76E-09	1.38E-04	2.18E-08	8.57E-09
3907	482363.09, 3853377.25	1.65E-04	2.59E-08	1.02E-08	2.02E-04	3.18E-08	1.25E-08	1.77E-04	2.79E-08	1.10E-08
3908	482863.09, 3853377.25	2.02E-04	3.18E-08	1.25E-08	2.47E-04	3.89E-08	1.53E-08	2.17E-04	3.42E-08	1.34E-08
3909	483363.09, 3853377.25	2.12E-04	3.35E-08	1.31E-08	2.60E-04	4.10E-08	1.61E-08	2.28E-04	3.60E-08	1.41E-08
3910	483863.09, 3853377.25	1.93E-04	3.04E-08	1.19E-08	2.36E-04	3.72E-08	1.46E-08	2.07E-04	3.27E-08	1.28E-08
3911	484363.09, 3853377.25	1.81E-04	2.86E-08	1.12E-08	2.22E-04	3.50E-08	1.38E-08	1.95E-04	3.08E-08	1.21E-08
3912	484863.09, 3853377.25	1.38E-04	2.18E-08	8.57E-09	1.70E-04	2.67E-08	1.05E-08	1.49E-04	2.35E-08	9.22E-09
3913	485363.09, 3853377.25	8.62E-05	1.36E-08	5.34E-09	1.06E-04	1.66E-08	6.54E-09	9.28E-05	1.46E-08	5.74E-09
3914	485863.09, 3853377.25	6.34E-05	9.99E-09	3.93E-09	7.77E-05	1.22E-08	4.81E-09	6.82E-05	1.07E-08	4.22E-09
3915	486363.09, 3853377.25	6.81E-05	1.07E-08	4.21E-09	8.34E-05	1.31E-08	5.16E-09	7.32E-05	1.15E-08	4.53E-09
3916	486863.09, 3853377.25	7.27E-05	1.14E-08	4.50E-09	8.90E-05	1.40E-08	5.51E-09	7.80E-05	1.23E-08	4.83E-09
3917	487363.09, 3853377.25	8.18E-05	1.29E-08	5.06E-09	1.00E-04	1.58E-08	6.20E-09	8.78E-05	1.38E-08	5.43E-09
3918	487863.09, 3853377.25	8.85E-05	1.39E-08	5.48E-09	1.08E-04	1.71E-08	6.71E-09	9.50E-05	1.50E-08	5.88E-09
3919	488363.09, 3853377.25	9.67E-05	1.52E-08	5.99E-09	1.19E-04	1.87E-08	7.34E-09	1.04E-04	1.63E-08	6.42E-09
3920	488863.09, 3853377.25	9.90E-05	1.56E-08	6.13E-09	1.21E-04	1.91E-08	7.51E-09	1.06E-04	1.67E-08	6.58E-09
3921	489363.09, 3853377.25	1.00E-04	1.58E-08	6.20E-09	1.23E-04	1.93E-08	7.59E-09	1.07E-04	1.69E-08	6.65E-09
3922	489863.09, 3853377.25	9.77E-05	1.54E-08	6.05E-09	1.20E-04	1.89E-08	7.41E-09	1.05E-04	1.65E-08	6.49E-09
3923	490363.09, 3853377.25	1.04E-04	1.64E-08	6.45E-09	1.28E-04	2.01E-08	7.90E-09	1.12E-04	1.76E-08	6.92E-09
3924	490863.09, 3853377.25	1.08E-04	1.70E-08	6.67E-09	1.32E-04	2.08E-08	8.17E-09	1.16E-04	1.82E-08	7.16E-09
3925	491363.09, 3853377.25	1.10E-04	1.74E-08	6.84E-09	1.35E-04	2.13E-08	8.38E-09	1.19E-04	1.87E-08	7.34E-09
3926	491863.09, 3853377.25	1.12E-04	1.76E-08	6.93E-09	1.37E-04	2.16E-08	8.48E-09	1.20E-04	1.89E-08	7.44E-09
3927	492363.09, 3853377.25	1.16E-04	1.83E-08	7.19E-09	1.42E-04	2.24E-08	8.80E-09	1.25E-04	1.96E-08	7.72E-09
3928	492863.09, 3853377.25	1.19E-04	1.88E-08	7.39E-09	1.46E-04	2.30E-08	9.05E-09	1.28E-04	2.02E-08	7.94E-09
3929	493363.09, 3853377.25	1.18E-04	1.86E-08	7.29E-09	1.44E-04	2.27E-08	8.93E-09	1.27E-04	1.99E-08	7.83E-09
3930	493863.09, 3853377.25	1.15E-04	1.81E-08	7.12E-09	1.41E-04	2.22E-08	8.72E-09	1.24E-04	1.95E-08	7.65E-09
3931	494363.09, 3853377.25	1.09E-04	1.72E-08	6.74E-09	1.33E-04	2.10E-08	8.26E-09	1.17E-04	1.84E-08	7.24E-09
3932	494863.09, 3853377.25	1.02E-04	1.60E-08	6.29E-09	1.24E-04	1.96E-08	7.70E-09	1.09E-04	1.72E-08	6.75E-09
3933	495363.09, 3853377.25	9.73E-05	1.53E-08	6.02E-09	1.19E-04	1.88E-08	7.38E-09	1.05E-04	1.65E-08	6.47E-09
3934	495863.09, 3853377.25	9.14E-05	1.44E-08	5.65E-09	1.12E-04	1.76E-08	6.93E-09	9.81E-05	1.55E-08	6.07E-09
3935	496363.09, 3853377.25	8.36E-05	1.32E-08	5.17E-09	1.02E-04	1.61E-08	6.34E-09	8.98E-05	1.41E-08	5.56E-09
3936	496863.09, 3853377.25	7.31E-05	1.15E-08	4.52E-09	8.95E-05	1.41E-08	5.54E-09	7.85E-05	1.24E-08	4.86E-09
3937	497363.09, 3853377.25	6.07E-05	9.57E-09	3.76E-09	7.44E-05	1.17E-08	4.61E-09	6.52E-05	1.03E-08	4.04E-09
3938	497863.09, 3853377.25	4.11E-05	6.48E-09	2.54E-09	5.03E-05	7.93E-09	3.12E-09	4.41E-05	6.95E-09	2.73E-09
3939	498363.09, 3853377.25	3.26E-05	5.13E-09	2.02E-09	3.99E-05	6.28E-09	2.47E-09	3.50E-05	5.51E-09	2.16E-09
3940	471363.09, 3853877.25	1.58E-05	2.49E-09	9.80E-10	1.94E-05	3.05E-09	1.20E-09	1.70E-05	2.68E-09	1.05E-09
3941	471863.09, 3853877.25	1.74E-05	2.75E-09	1.08E-09	2.14E-05	3.37E-09	1.32E-09	1.87E-05	2.95E-09	1.16E-09
3942	472363.09, 3853877.25	1.85E-05	2.92E-09	1.15E-09	2.27E-05	3.58E-09	1.41E-09	1.99E-05	3.14E-09	1.23E-09
3943	472863.09, 3853877.25	2.00E-05	3.15E-09	1.24E-09	2.45E-05	3.86E-09	1.52E-09	2.15E-05	3.39E-09	1.33E-09
3944	473363.09, 3853877.25	2.11E-05	3.33E-09	1.31E-09	2.59E-05	4.07E-09	1.60E-09	2.27E-05	3.57E-09	1.40E-09
3945	473863.09, 3853877.25	2.23E-05	3.52E-09	1.38E-09	2.74E-05	4.31E-09	1.69E-09	2.40E-05	3.78E-09	1.49E-09
3946	474363.09, 3853877.25	2.40E-05	3.78E-09	1.48E-09	2.94E-05	4.63E-09	1.82E-09	2.58E-05	4.06E-09	1.59E-09
3947	474863.09, 3853877.25	2.55E-05	4.02E-09	1.58E-09	3.12E-05	4.92E-09	1.93E-09	2.74E-05	4.31E-09	1.69E-09
3948	475363.09, 3853877.25	2.54E-05	4.00E-09	1.57E-09	3.11E-05	4.90E-09	1.92E-09	2.73E-05	4.29E-09	1.69E-09
3949	475863.09, 3853877.25	2.24E-05	3.53E-09	1.39E-09	2.75E-05	4.33E-09	1.70E-09	2.41E-05	3.80E-09	1.49E-09
3950	476363.09, 3853877.25	1.91E-05	3.00E-09	1.18E-09	2.34E-05	3.68E-09	1.45E-09	2.05E-05	3.22E-09	1.27E-09
3951	476863.09, 3853877.25	1.50E-05	2.37E-09	9.30E-10	1.84E-05	2.90E-09	1.14E-09	1.61E-05	2.54E-09	9.99E-10
3952	477363.09, 3853877.25	1.67E-05	2.63E-09	1.03E-09	2.05E-05	3.22E-09	1.27E-09	1.79E-05	2.83E-09	1.11E-09
3953	477863.09, 3853877.25	1.97E-05	3.10E-09	1.22E-09	2.41E-05	3.79E-09	1.49E-09	2.11E-05	3.33E-09	1.31E-09
3954	478363.09, 3853877.25	2.11E-05	3.32E-09	1.31E-09	2.58E-05	4.07E-09	1.60E-09	2.27E-05	3.57E-09	1.40E-09
3955	478863.09, 3853877.25	1.49E-05	2.34E-09	9.20E-10	1.82E-05	2.87E-09	1.13E-09	1.60E-05	2.51E-09	9.88E-10
3956	479363.09, 3853877.25	2.09E-05	3.30E-09	1.30E-09	2.56E-05	4.04E-09	1.59E-09	2.25E-05	3.54E-09	1.39E-09
3957	479863.09, 3853877.25	4.23E-05	6.66E-09	2.62E-09	5.18E-05	8.16E-09	3.21E-09	4.54E-05	7.16E-09	2.81E-09
3958	480363.09, 3853877.25	6.46E-05	1.02E-08	4.00E-09	7.91E-05	1.25E-08	4.89E-09	6.93E-05	1.09E-08	4.29E-09
3959	480863.09, 3853877.25	1.01E-04	1.58E-08	6.23E-09	1.23E-04	1.94E-08	7.63E-09	1.08E-04	1.70E-08	6.68E-09
3960	481363.09, 3853877.25	1.32E-04	2.07E-08	8.14E-09	1.61E-04	2.54E-08	9.98E-09	1.41E-04	2.23E-08	8.75E-09
3961	481863.09, 3853877.25	1.67E-04	2.63E-08	1.03E-08	2.04E-04	3.22E-08	1.26E-08	1.79E-04	2.82E-08	1.11E-08

3962	482363.09, 3853877.25	2.53E-04	3.99E-08	1.57E-08	3.10E-04	4.89E-08	1.92E-08	2.73E-04	4.29E-08	1.69E-08
3963	482863.09, 3853877.25	1.22E-03	1.92E-07	7.54E-08	1.49E-03	2.35E-07	9.24E-08	1.31E-03	2.07E-07	8.14E-08
3964	483363.09, 3853877.25	7.27E-04	1.15E-07	4.50E-08	8.91E-04	1.40E-07	5.51E-08	7.84E-04	1.23E-07	4.85E-08
3965	483863.09, 3853877.25	4.78E-04	7.54E-08	2.96E-08	5.86E-04	9.23E-08	3.63E-08	5.15E-04	8.12E-08	3.19E-08
3966	484363.09, 3853877.25	3.23E-04	5.09E-08	2.00E-08	3.96E-04	6.23E-08	2.45E-08	3.48E-04	5.48E-08	2.15E-08
3967	484863.09, 3853877.25	2.04E-04	3.22E-08	1.26E-08	2.50E-04	3.94E-08	1.55E-08	2.20E-04	3.46E-08	1.36E-08
3968	485363.09, 3853877.25	1.23E-04	1.93E-08	7.60E-09	1.50E-04	2.37E-08	9.31E-09	1.32E-04	2.08E-08	8.18E-09
3969	485863.09, 3853877.25	1.42E-04	2.23E-08	8.77E-09	1.74E-04	2.74E-08	1.08E-08	1.52E-04	2.40E-08	9.43E-09
3970	486363.09, 3853877.25	1.45E-04	2.29E-08	8.99E-09	1.78E-04	2.80E-08	1.10E-08	1.56E-04	2.45E-08	9.64E-09
3971	486863.09, 3853877.25	1.43E-04	2.25E-08	8.84E-09	1.75E-04	2.76E-08	1.08E-08	1.53E-04	2.41E-08	9.48E-09
3972	487363.09, 3853877.25	1.54E-04	2.42E-08	9.51E-09	1.88E-04	2.97E-08	1.17E-08	1.65E-04	2.60E-08	1.02E-08
3973	487863.09, 3853877.25	1.75E-04	2.76E-08	1.09E-08	2.15E-04	3.39E-08	1.33E-08	1.88E-04	2.96E-08	1.16E-08
3974	488363.09, 3853877.25	1.81E-04	2.86E-08	1.12E-08	2.22E-04	3.50E-08	1.38E-08	1.95E-04	3.06E-08	1.20E-08
3975	488863.09, 3853877.25	1.91E-04	3.01E-08	1.18E-08	2.34E-04	3.68E-08	1.45E-08	2.05E-04	3.23E-08	1.27E-08
3976	489363.09, 3853877.25	1.77E-04	2.79E-08	1.10E-08	2.17E-04	3.42E-08	1.34E-08	1.90E-04	3.00E-08	1.18E-08
3977	489863.09, 3853877.25	1.77E-04	2.79E-08	1.10E-08	2.17E-04	3.42E-08	1.34E-08	1.90E-04	3.00E-08	1.18E-08
3978	490363.09, 3853877.25	1.71E-04	2.69E-08	1.06E-08	2.09E-04	3.29E-08	1.29E-08	1.83E-04	2.89E-08	1.13E-08
3979	490863.09, 3853877.25	1.68E-04	2.65E-08	1.04E-08	2.06E-04	3.24E-08	1.27E-08	1.80E-04	2.84E-08	1.12E-08
3980	491363.09, 3853877.25	1.66E-04	2.61E-08	1.03E-08	2.03E-04	3.20E-08	1.26E-08	1.78E-04	2.81E-08	1.10E-08
3981	491863.09, 3853877.25	1.63E-04	2.57E-08	1.01E-08	2.00E-04	3.15E-08	1.24E-08	1.75E-04	2.76E-08	1.08E-08
3982	492363.09, 3853877.25	1.65E-04	2.60E-08	1.02E-08	2.02E-04	3.18E-08	1.25E-08	1.77E-04	2.79E-08	1.10E-08
3983	492863.09, 3853877.25	1.63E-04	2.56E-08	1.01E-08	1.99E-04	3.14E-08	1.23E-08	1.75E-04	2.75E-08	1.08E-08
3984	493363.09, 3853877.25	1.55E-04	2.45E-08	9.62E-09	1.90E-04	3.00E-08	1.18E-08	1.67E-04	2.63E-08	1.03E-08
3985	493863.09, 3853877.25	1.46E-04	2.31E-08	9.06E-09	1.79E-04	2.83E-08	1.11E-08	1.57E-04	2.48E-08	9.74E-09
3986	494363.09, 3853877.25	1.39E-04	2.19E-08	8.61E-09	1.70E-04	2.68E-08	1.05E-08	1.49E-04	2.35E-08	9.25E-09
3987	494863.09, 3853877.25	1.29E-04	2.04E-08	8.00E-09	1.58E-04	2.49E-08	9.80E-09	1.39E-04	2.19E-08	8.59E-09
3988	495363.09, 3853877.25	1.12E-04	1.76E-08	6.90E-09	1.37E-04	2.15E-08	8.46E-09	1.20E-04	1.89E-08	7.41E-09
3989	495863.09, 3853877.25	9.77E-05	1.54E-08	6.05E-09	1.20E-04	1.89E-08	7.41E-09	1.05E-04	1.65E-08	6.49E-09
3990	496363.09, 3853877.25	8.87E-05	1.40E-08	5.49E-09	1.09E-04	1.71E-08	6.72E-09	9.52E-05	1.50E-08	5.89E-09
3991	496863.09, 3853877.25	7.45E-05	1.17E-08	4.61E-09	9.12E-05	1.44E-08	5.64E-09	8.00E-05	1.26E-08	4.95E-09
3992	497363.09, 3853877.25	6.34E-05	9.98E-09	3.92E-09	7.76E-05	1.22E-08	4.80E-09	6.81E-05	1.07E-08	4.21E-09
3993	497863.09, 3853877.25	4.99E-05	7.85E-09	3.09E-09	6.11E-05	9.62E-09	3.78E-09	5.35E-05	8.44E-09	3.31E-09
3994	498363.09, 3853877.25	4.23E-05	6.67E-09	2.62E-09	5.19E-05	8.17E-09	3.21E-09	4.55E-05	7.16E-09	2.81E-09
3995	471363.09, 3854377.25	1.63E-05	2.56E-09	1.01E-09	1.99E-05	3.14E-09	1.23E-09	1.74E-05	2.75E-09	1.08E-09
3996	471863.09, 3854377.25	1.78E-05	2.81E-09	1.10E-09	2.18E-05	3.44E-09	1.35E-09	1.91E-05	3.01E-09	1.18E-09
3997	472363.09, 3854377.25	1.91E-05	3.00E-09	1.18E-09	2.34E-05	3.68E-09	1.45E-09	2.05E-05	3.23E-09	1.27E-09
3998	472863.09, 3854377.25	2.01E-05	3.17E-09	1.25E-09	2.47E-05	3.89E-09	1.53E-09	2.16E-05	3.41E-09	1.34E-09
3999	473363.09, 3854377.25	2.16E-05	3.40E-09	1.34E-09	2.65E-05	4.17E-09	1.64E-09	2.32E-05	3.65E-09	1.43E-09
4000	473863.09, 3854377.25	2.34E-05	3.69E-09	1.45E-09	2.87E-05	4.51E-09	1.77E-09	2.51E-05	3.96E-09	1.55E-09
4001	474363.09, 3854377.25	2.52E-05	3.97E-09	1.56E-09	3.09E-05	4.87E-09	1.91E-09	2.71E-05	4.27E-09	1.68E-09
4002	474863.09, 3854377.25	2.51E-05	3.95E-09	1.55E-09	3.07E-05	4.84E-09	1.90E-09	2.69E-05	4.24E-09	1.67E-09
4003	475363.09, 3854377.25	2.25E-05	3.55E-09	1.40E-09	2.76E-05	4.35E-09	1.71E-09	2.42E-05	3.81E-09	1.50E-09
4004	475863.09, 3854377.25	1.58E-05	2.48E-09	9.76E-10	1.93E-05	3.04E-09	1.20E-09	1.69E-05	2.67E-09	1.05E-09
4005	476363.09, 3854377.25	1.42E-05	2.24E-09	8.80E-10	1.74E-05	2.74E-09	1.08E-09	1.53E-05	2.41E-09	9.45E-10
4006	476863.09, 3854377.25	1.38E-05	2.18E-09	8.55E-10	1.69E-05	2.67E-09	1.05E-09	1.48E-05	2.34E-09	9.18E-10
4007	477363.09, 3854377.25	1.38E-05	2.18E-09	8.57E-10	1.70E-05	2.67E-09	1.05E-09	1.49E-05	2.34E-09	9.20E-10
4008	477863.09, 3854377.25	1.43E-05	2.26E-09	8.87E-10	1.75E-05	2.76E-09	1.09E-09	1.54E-05	2.42E-09	9.52E-10
4009	478363.09, 3854377.25	1.72E-05	2.70E-09	1.06E-09	2.10E-05	3.31E-09	1.30E-09	1.84E-05	2.90E-09	1.14E-09
4010	478863.09, 3854377.25	1.91E-05	3.01E-09	1.18E-09	2.34E-05	3.68E-09	1.45E-09	2.05E-05	3.23E-09	1.27E-09
4011	479363.09, 3854377.25	3.10E-05	4.89E-09	1.92E-09	3.80E-05	5.99E-09	2.35E-09	3.33E-05	5.25E-09	2.06E-09
4012	479863.09, 3854377.25	4.24E-05	6.67E-09	2.62E-09	5.19E-05	8.17E-09	3.21E-09	4.55E-05	7.17E-09	2.82E-09
4013	480363.09, 3854377.25	6.31E-05	9.95E-09	3.91E-09	7.74E-05	1.22E-08	4.79E-09	6.78E-05	1.07E-08	4.20E-09
4014	480863.09, 3854377.25	1.01E-04	1.59E-08	6.25E-09	1.24E-04	1.95E-08	7.65E-09	1.08E-04	1.71E-08	6.71E-09
4015	481363.09, 3854377.25	1.46E-04	2.30E-08	9.03E-09	1.79E-04	2.81E-08	1.11E-08	1.57E-04	2.47E-08	9.69E-09
4016	481863.09, 3854377.25	1.95E-04	3.07E-08	1.21E-08	2.39E-04	3.76E-08	1.48E-08	2.10E-04	3.30E-08	1.30E-08
4017	482363.09, 3854377.25	2.76E-04	4.34E-08	1.71E-08	3.38E-04	5.32E-08	2.09E-08	2.96E-04	4.67E-08	1.83E-08
4018	482863.09, 3854377.25	5.76E-04	9.08E-08	3.57E-08	7.06E-04	1.11E-07	4.37E-08	6.21E-04	9.78E-08	3.84E-08
4019	483363.09, 3854377.25	1.67E-03	2.63E-07	1.03E-07	2.05E-03	3.23E-07	1.27E-07	1.80E-03	2.84E-07	1.12E-07
4020	483863.09, 3854377.25	8.48E-04	1.34E-07	5.25E-08	1.04E-03	1.64E-07	6.43E-08	9.13E-04	1.44E-07	5.65E-08
4021	484363.09, 3854377.25	5.06E-04	7.97E-08	3.13E-08	6.20E-04	9.76E-08	3.83E-08	5.44E-04	8.58E-08	3.37E-08
4022	484863.09, 3854377.25	3.18E-04	5.01E-08	1.97E-08	3.90E-04	6.14E-08	2.41E-08	3.42E-04	5.39E-08	2.12E-08
4023	485363.09, 3854377.25	4.21E-04	6.63E-08	2.60E-08	5.16E-04	8.12E-08	3.19E-08	4.51E-04	7.11E-08	2.79E-08
4024	485863.09, 3854377.25	3.37E-04	5.31E-08	2.08E-08	4.13E-04	6.50E-08	2.55E-08	3.61E-04	5.68E-08	2.23E-08
4025	486363.09, 3854377.25	3.53E-04	5.56E-08	2.18E-08	4.32E-04	6.81E-08	2.67E-08	3.78E-04	5.95E-08	2.34E-08
4026	486863.09, 3854377.25	3.17E-04	5.00E-08	1.96E-08	3.89E-04	6.13E-08	2.41E-08	3.40E-04	5.36E-08	2.10E-08

4027	487363.09, 3854377.25	3.17E-04	5.00E-08	1.96E-08	3.89E-04	6.12E-08	2.41E-08	3.40E-04	5.36E-08	2.10E-08
4028	487863.09, 3854377.25	3.26E-04	5.14E-08	2.02E-08	4.00E-04	6.30E-08	2.47E-08	3.50E-04	5.51E-08	2.17E-08
4029	488363.09, 3854377.25	3.20E-04	5.04E-08	1.98E-08	3.92E-04	6.17E-08	2.43E-08	3.43E-04	5.41E-08	2.12E-08
4030	488863.09, 3854377.25	3.10E-04	4.88E-08	1.92E-08	3.79E-04	5.98E-08	2.35E-08	3.32E-04	5.24E-08	2.06E-08
4031	489363.09, 3854377.25	2.96E-04	4.66E-08	1.83E-08	3.62E-04	5.70E-08	2.24E-08	3.17E-04	5.00E-08	1.96E-08
4032	489863.09, 3854377.25	2.79E-04	4.39E-08	1.73E-08	3.42E-04	5.38E-08	2.11E-08	3.00E-04	4.72E-08	1.85E-08
4033	490363.09, 3854377.25	2.61E-04	4.11E-08	1.61E-08	3.19E-04	5.03E-08	1.98E-08	2.80E-04	4.41E-08	1.73E-08
4034	490863.09, 3854377.25	2.13E-04	3.36E-08	1.32E-08	2.61E-04	4.12E-08	1.62E-08	2.29E-04	3.61E-08	1.42E-08
4035	491363.09, 3854377.25	2.24E-04	3.52E-08	1.38E-08	2.74E-04	4.32E-08	1.70E-08	2.40E-04	3.79E-08	1.49E-08
4036	491863.09, 3854377.25	2.27E-04	3.57E-08	1.40E-08	2.78E-04	4.37E-08	1.72E-08	2.43E-04	3.83E-08	1.51E-08
4037	492363.09, 3854377.25	2.20E-04	3.47E-08	1.36E-08	2.70E-04	4.25E-08	1.67E-08	2.37E-04	3.73E-08	1.47E-08
4038	492863.09, 3854377.25	2.09E-04	3.29E-08	1.29E-08	2.55E-04	4.02E-08	1.58E-08	2.24E-04	3.53E-08	1.39E-08
4039	493363.09, 3854377.25	1.94E-04	3.06E-08	1.20E-08	2.38E-04	3.75E-08	1.47E-08	2.09E-04	3.29E-08	1.29E-08
4040	493863.09, 3854377.25	1.80E-04	2.84E-08	1.11E-08	2.21E-04	3.48E-08	1.37E-08	1.93E-04	3.05E-08	1.20E-08
4041	494363.09, 3854377.25	1.67E-04	2.63E-08	1.03E-08	2.05E-04	3.23E-08	1.27E-08	1.80E-04	2.83E-08	1.11E-08
4042	494863.09, 3854377.25	1.37E-04	2.16E-08	8.48E-09	1.68E-04	2.64E-08	1.04E-08	1.47E-04	2.32E-08	9.11E-09
4043	495363.09, 3854377.25	1.08E-04	1.70E-08	6.69E-09	1.32E-04	2.08E-08	8.19E-09	1.16E-04	1.83E-08	7.18E-09
4044	495863.09, 3854377.25	8.98E-05	1.41E-08	5.56E-09	1.10E-04	1.73E-08	6.81E-09	9.64E-05	1.52E-08	5.97E-09
4045	496363.09, 3854377.25	8.09E-05	1.27E-08	5.00E-09	9.90E-05	1.56E-08	6.13E-09	8.68E-05	1.37E-08	5.37E-09
4046	496863.09, 3854377.25	7.01E-05	1.10E-08	4.34E-09	8.58E-05	1.35E-08	5.31E-09	7.53E-05	1.19E-08	4.66E-09
4047	497363.09, 3854377.25	5.51E-05	8.69E-09	3.41E-09	6.75E-05	1.06E-08	4.18E-09	5.92E-05	9.33E-09	3.67E-09
4048	497863.09, 3854377.25	5.60E-05	8.82E-09	3.47E-09	6.86E-05	1.08E-08	4.24E-09	6.01E-05	9.47E-09	3.72E-09
4049	498363.09, 3854377.25	4.81E-05	7.57E-09	2.97E-09	5.89E-05	9.27E-09	3.64E-09	5.16E-05	8.13E-09	3.19E-09
4050	471363.09, 3854877.25	1.66E-05	2.62E-09	1.03E-09	2.04E-05	3.21E-09	1.26E-09	1.78E-05	2.81E-09	1.10E-09
4051	471863.09, 3854877.25	1.79E-05	2.82E-09	1.11E-09	2.19E-05	3.45E-09	1.36E-09	1.92E-05	3.03E-09	1.19E-09
4052	472363.09, 3854877.25	1.91E-05	3.01E-09	1.18E-09	2.34E-05	3.69E-09	1.45E-09	2.05E-05	3.23E-09	1.27E-09
4053	472863.09, 3854877.25	1.98E-05	3.13E-09	1.23E-09	2.43E-05	3.83E-09	1.50E-09	2.13E-05	3.36E-09	1.32E-09
4054	473363.09, 3854877.25	2.17E-05	3.42E-09	1.34E-09	2.66E-05	4.19E-09	1.65E-09	2.33E-05	3.67E-09	1.44E-09
4055	473863.09, 3854877.25	2.36E-05	3.71E-09	1.46E-09	2.89E-05	4.55E-09	1.79E-09	2.53E-05	3.99E-09	1.57E-09
4056	474363.09, 3854877.25	2.60E-05	4.09E-09	1.61E-09	3.18E-05	5.01E-09	1.97E-09	2.79E-05	4.39E-09	1.72E-09
4057	474863.09, 3854877.25	2.32E-05	3.66E-09	1.44E-09	2.85E-05	4.48E-09	1.76E-09	2.49E-05	3.93E-09	1.54E-09
4058	475363.09, 3854877.25	1.87E-05	2.95E-09	1.16E-09	2.30E-05	3.62E-09	1.42E-09	2.01E-05	3.17E-09	1.25E-09
4059	475863.09, 3854877.25	1.41E-05	2.22E-09	8.73E-10	1.73E-05	2.72E-09	1.07E-09	1.51E-05	2.39E-09	9.37E-10
4060	476363.09, 3854877.25	9.02E-06	1.42E-09	5.58E-10	1.11E-05	1.74E-09	6.84E-10	9.69E-06	1.53E-09	5.99E-10
4061	476863.09, 3854877.25	9.02E-06	1.42E-09	5.58E-10	1.10E-05	1.74E-09	6.84E-10	9.69E-06	1.53E-09	5.99E-10
4062	477363.09, 3854877.25	1.11E-05	1.76E-09	6.90E-10	1.37E-05	2.15E-09	8.45E-10	1.20E-05	1.89E-09	7.41E-10
4063	477863.09, 3854877.25	1.33E-05	2.10E-09	8.24E-10	1.63E-05	2.57E-09	1.01E-09	1.43E-05	2.25E-09	8.85E-10
4064	478363.09, 3854877.25	1.85E-05	2.91E-09	1.14E-09	2.27E-05	3.57E-09	1.40E-09	1.99E-05	3.13E-09	1.23E-09
4065	478863.09, 3854877.25	2.76E-05	4.34E-09	1.71E-09	3.38E-05	5.32E-09	2.09E-09	2.96E-05	4.66E-09	1.83E-09
4066	479363.09, 3854877.25	4.16E-05	6.55E-09	2.57E-09	5.09E-05	8.02E-09	3.15E-09	4.46E-05	7.03E-09	2.76E-09
4067	479863.09, 3854877.25	6.10E-05	9.61E-09	3.77E-09	7.47E-05	1.18E-08	4.62E-09	6.55E-05	1.03E-08	4.05E-09
4068	480363.09, 3854877.25	8.16E-05	1.29E-08	5.05E-09	1.00E-04	1.58E-08	6.19E-09	8.77E-05	1.38E-08	5.42E-09
4069	480863.09, 3854877.25	1.17E-04	1.85E-08	7.27E-09	1.44E-04	2.27E-08	8.90E-09	1.26E-04	1.99E-08	7.80E-09
4070	481363.09, 3854877.25	1.52E-04	2.40E-08	9.44E-09	1.87E-04	2.94E-08	1.16E-08	1.64E-04	2.58E-08	1.01E-08
4071	481863.09, 3854877.25	1.80E-04	2.84E-08	1.11E-08	2.21E-04	3.48E-08	1.37E-08	1.93E-04	3.05E-08	1.20E-08
4072	482363.09, 3854877.25	2.64E-04	4.16E-08	1.63E-08	3.24E-04	5.10E-08	2.00E-08	2.84E-04	4.47E-08	1.76E-08
4073	482863.09, 3854877.25	3.96E-04	6.24E-08	2.45E-08	4.85E-04	7.65E-08	3.00E-08	4.25E-04	6.70E-08	2.63E-08
4074	483363.09, 3854877.25	6.76E-04	1.07E-07	4.19E-08	8.29E-04	1.31E-07	5.13E-08	7.26E-04	1.14E-07	4.49E-08
4075	483863.09, 3854877.25	2.25E-03	3.54E-07	1.39E-07	2.75E-03	4.34E-07	1.70E-07	2.40E-03	3.78E-07	1.49E-07
4076	484363.09, 3854877.25	8.75E-03	1.38E-06	5.41E-07	1.07E-02	1.69E-06	6.63E-07	9.35E-03	1.47E-06	5.79E-07
4077	484863.09, 3854877.25	3.58E-03	5.63E-07	2.21E-07	4.38E-03	6.90E-07	2.71E-07	3.82E-03	6.02E-07	2.37E-07
4078	485363.09, 3854877.25	1.74E-03	2.75E-07	1.08E-07	2.14E-03	3.37E-07	1.32E-07	1.86E-03	2.94E-07	1.15E-07
4079	485863.09, 3854877.25	1.12E-03	1.76E-07	6.90E-08	1.37E-03	2.15E-07	8.46E-08	1.19E-03	1.88E-07	7.39E-08
4080	486363.09, 3854877.25	8.08E-04	1.27E-07	5.00E-08	9.90E-04	1.56E-07	6.13E-08	8.66E-04	1.36E-07	5.36E-08
4081	486863.09, 3854877.25	6.46E-04	1.02E-07	4.00E-08	7.92E-04	1.25E-07	4.90E-08	6.93E-04	1.09E-07	4.29E-08
4082	487363.09, 3854877.25	5.88E-04	9.27E-08	3.64E-08	7.21E-04	1.14E-07	4.46E-08	6.31E-04	9.95E-08	3.91E-08
4083	487863.09, 3854877.25	5.41E-04	8.52E-08	3.35E-08	6.63E-04	1.04E-07	4.10E-08	5.81E-04	9.15E-08	3.59E-08
4084	488363.09, 3854877.25	5.02E-04	7.91E-08	3.11E-08	6.15E-04	9.69E-08	3.81E-08	5.39E-04	8.49E-08	3.34E-08
4085	488863.09, 3854877.25	4.71E-04	7.41E-08	2.91E-08	5.77E-04	9.08E-08	3.57E-08	5.06E-04	7.97E-08	3.13E-08
4086	489363.09, 3854877.25	4.33E-04	6.82E-08	2.68E-08	5.30E-04	8.35E-08	3.28E-08	4.65E-04	7.32E-08	2.88E-08
4087	489863.09, 3854877.25	3.86E-04	6.09E-08	2.39E-08	4.73E-04	7.46E-08	2.93E-08	4.15E-04	6.54E-08	2.57E-08
4088	490363.09, 3854877.25	2.94E-04	4.63E-08	1.82E-08	3.60E-04	5.67E-08	2.23E-08	3.16E-04	4.98E-08	1.95E-08
4089	490863.09, 3854877.25	2.06E-04	3.24E-08	1.27E-08	2.52E-04	3.97E-08	1.56E-08	2.21E-04	3.48E-08	1.37E-08
4090	491363.09, 3854877.25	2.16E-04	3.41E-08	1.34E-08	2.65E-04	4.17E-08	1.64E-08	2.32E-04	3.66E-08	1.44E-08
4091	491863.09, 3854877.25	2.87E-04	4.53E-08	1.78E-08	3.52E-04	5.54E-08	2.18E-08	3.09E-04	4.86E-08	1.91E-08

4092	492363.09, 3854877.25	2.74E-04	4.31E-08	1.69E-08	3.35E-04	5.28E-08	2.07E-08	2.94E-04	4.63E-08	1.82E-08
4093	492863.09, 3854877.25	2.53E-04	3.98E-08	1.56E-08	3.10E-04	4.88E-08	1.92E-08	2.72E-04	4.28E-08	1.68E-08
4094	493363.09, 3854877.25	2.30E-04	3.63E-08	1.43E-08	2.82E-04	4.45E-08	1.75E-08	2.48E-04	3.90E-08	1.53E-08
4095	493863.09, 3854877.25	2.12E-04	3.33E-08	1.31E-08	2.59E-04	4.08E-08	1.60E-08	2.27E-04	3.58E-08	1.41E-08
4096	494363.09, 3854877.25	1.65E-04	2.60E-08	1.02E-08	2.02E-04	3.19E-08	1.25E-08	1.77E-04	2.80E-08	1.10E-08
4097	494863.09, 3854877.25	1.20E-04	1.89E-08	7.43E-09	1.47E-04	2.32E-08	9.10E-09	1.29E-04	2.03E-08	7.98E-09
4098	495363.09, 3854877.25	9.44E-05	1.49E-08	5.84E-09	1.16E-04	1.82E-08	7.16E-09	1.01E-04	1.60E-08	6.28E-09
4099	495863.09, 3854877.25	8.05E-05	1.27E-08	4.98E-09	9.86E-05	1.55E-08	6.10E-09	8.65E-05	1.36E-08	5.35E-09
4100	496363.09, 3854877.25	6.42E-05	1.01E-08	3.98E-09	7.87E-05	1.24E-08	4.87E-09	6.90E-05	1.09E-08	4.27E-09
4101	496863.09, 3854877.25	5.48E-05	8.63E-09	3.39E-09	6.71E-05	1.06E-08	4.15E-09	5.88E-05	9.27E-09	3.64E-09
4102	497363.09, 3854877.25	5.13E-05	8.09E-09	3.18E-09	6.29E-05	9.90E-09	3.89E-09	5.51E-05	8.68E-09	3.41E-09
4103	497863.09, 3854877.25	5.51E-05	8.68E-09	3.41E-09	6.75E-05	1.06E-08	4.18E-09	5.92E-05	9.32E-09	3.66E-09
4104	498363.09, 3854877.25	5.27E-05	8.31E-09	3.26E-09	6.46E-05	1.02E-08	4.00E-09	5.66E-05	8.92E-09	3.51E-09
4105	471363.09, 3855377.25	1.66E-05	2.62E-09	1.03E-09	2.04E-05	3.21E-09	1.26E-09	1.79E-05	2.81E-09	1.11E-09
4106	471863.09, 3855377.25	1.75E-05	2.76E-09	1.08E-09	2.14E-05	3.38E-09	1.33E-09	1.88E-05	2.96E-09	1.16E-09
4107	472363.09, 3855377.25	1.89E-05	2.98E-09	1.17E-09	2.32E-05	3.66E-09	1.44E-09	2.04E-05	3.21E-09	1.26E-09
4108	472863.09, 3855377.25	1.99E-05	3.14E-09	1.23E-09	2.44E-05	3.85E-09	1.51E-09	2.14E-05	3.37E-09	1.32E-09
4109	473363.09, 3855377.25	2.19E-05	3.45E-09	1.36E-09	2.68E-05	4.23E-09	1.66E-09	2.35E-05	3.71E-09	1.46E-09
4110	473863.09, 3855377.25	2.38E-05	3.74E-09	1.47E-09	2.91E-05	4.58E-09	1.80E-09	2.55E-05	4.02E-09	1.58E-09
4111	474363.09, 3855377.25	2.56E-05	4.04E-09	1.59E-09	3.14E-05	4.94E-09	1.94E-09	2.75E-05	4.34E-09	1.70E-09
4112	474863.09, 3855377.25	2.33E-05	3.67E-09	1.44E-09	2.85E-05	4.50E-09	1.77E-09	2.50E-05	3.94E-09	1.55E-09
4113	475363.09, 3855377.25	1.19E-05	1.88E-09	7.37E-10	1.46E-05	2.30E-09	9.03E-10	1.28E-05	2.02E-09	7.92E-10
4114	475863.09, 3855377.25	8.94E-06	1.41E-09	5.54E-10	1.10E-05	1.73E-09	6.78E-10	9.60E-06	1.51E-09	5.94E-10
4115	476363.09, 3855377.25	1.07E-05	1.69E-09	6.63E-10	1.31E-05	2.07E-09	8.13E-10	1.15E-05	1.81E-09	7.12E-10
4116	476863.09, 3855377.25	1.05E-05	1.66E-09	6.52E-10	1.29E-05	2.03E-09	7.99E-10	1.13E-05	1.78E-09	7.01E-10
4117	477363.09, 3855377.25	1.19E-05	1.88E-09	7.38E-10	1.46E-05	2.30E-09	9.03E-10	1.28E-05	2.02E-09	7.92E-10
4118	477863.09, 3855377.25	1.60E-05	2.53E-09	9.93E-10	1.96E-05	3.10E-09	1.22E-09	1.72E-05	2.71E-09	1.07E-09
4119	478363.09, 3855377.25	2.14E-05	3.38E-09	1.33E-09	2.63E-05	4.14E-09	1.63E-09	2.30E-05	3.63E-09	1.42E-09
4120	478863.09, 3855377.25	2.81E-05	4.42E-09	1.74E-09	3.44E-05	5.42E-09	2.13E-09	3.02E-05	4.75E-09	1.87E-09
4121	479363.09, 3855377.25	3.98E-05	6.27E-09	2.46E-09	4.88E-05	7.68E-09	3.02E-09	4.28E-05	6.74E-09	2.65E-09
4122	479863.09, 3855377.25	5.41E-05	8.53E-09	3.35E-09	6.63E-05	1.04E-08	4.10E-09	5.81E-05	9.16E-09	3.60E-09
4123	480363.09, 3855377.25	8.37E-05	1.32E-08	5.18E-09	1.02E-04	1.61E-08	6.34E-09	8.99E-05	1.42E-08	5.56E-09
4124	480863.09, 3855377.25	1.24E-04	1.95E-08	7.66E-09	1.52E-04	2.39E-08	9.38E-09	1.33E-04	2.09E-08	8.22E-09
4125	481363.09, 3855377.25	1.65E-04	2.60E-08	1.02E-08	2.03E-04	3.19E-08	1.25E-08	1.78E-04	2.80E-08	1.10E-08
4126	481863.09, 3855377.25	2.04E-04	3.21E-08	1.26E-08	2.50E-04	3.93E-08	1.55E-08	2.19E-04	3.45E-08	1.35E-08
4127	482363.09, 3855377.25	2.46E-04	3.88E-08	1.52E-08	3.02E-04	4.75E-08	1.87E-08	2.65E-04	4.17E-08	1.64E-08
4128	482863.09, 3855377.25	3.33E-04	5.25E-08	2.06E-08	4.08E-04	6.43E-08	2.53E-08	3.58E-04	5.63E-08	2.21E-08
4129	483363.09, 3855377.25	4.77E-04	7.52E-08	2.95E-08	5.84E-04	9.21E-08	3.62E-08	5.11E-04	8.06E-08	3.16E-08
4130	483863.09, 3855377.25	8.05E-04	1.27E-07	4.98E-08	9.86E-04	1.55E-07	6.10E-08	8.61E-04	1.36E-07	5.33E-08
4131	484363.09, 3855377.25	1.97E-03	3.10E-07	1.22E-07	2.41E-03	3.80E-07	1.49E-07	2.11E-03	3.33E-07	1.31E-07
4132	484863.09, 3855377.25	6.24E-03	9.83E-07	3.86E-07	7.64E-03	1.20E-06	4.73E-07	6.72E-03	1.06E-06	4.16E-07
4133	485363.09, 3855377.25	4.94E-03	7.78E-07	3.06E-07	6.05E-03	9.53E-07	3.74E-07	5.32E-03	8.38E-07	3.29E-07
4134	485863.09, 3855377.25	2.37E-03	3.73E-07	1.47E-07	2.90E-03	4.57E-07	1.80E-07	2.55E-03	4.02E-07	1.58E-07
4135	486363.09, 3855377.25	1.50E-03	2.36E-07	9.28E-08	1.84E-03	2.89E-07	1.14E-07	1.61E-03	2.54E-07	9.98E-08
4136	486863.09, 3855377.25	1.08E-03	1.69E-07	6.65E-08	1.32E-03	2.07E-07	8.15E-08	1.16E-03	1.82E-07	7.15E-08
4137	487363.09, 3855377.25	9.28E-04	1.46E-07	5.74E-08	1.14E-03	1.79E-07	7.04E-08	9.98E-04	1.57E-07	6.18E-08
4138	487863.09, 3855377.25	8.13E-04	1.28E-07	5.03E-08	9.96E-04	1.57E-07	6.16E-08	8.75E-04	1.38E-07	5.41E-08
4139	488363.09, 3855377.25	7.22E-04	1.14E-07	4.47E-08	8.84E-04	1.39E-07	5.47E-08	7.76E-04	1.22E-07	4.81E-08
4140	488863.09, 3855377.25	6.45E-04	1.02E-07	3.99E-08	7.89E-04	1.24E-07	4.89E-08	6.93E-04	1.09E-07	4.29E-08
4141	489363.09, 3855377.25	5.76E-04	9.07E-08	3.56E-08	7.05E-04	1.11E-07	4.36E-08	6.19E-04	9.75E-08	3.83E-08
4142	489863.09, 3855377.25	5.11E-04	8.05E-08	3.16E-08	6.26E-04	9.85E-08	3.87E-08	5.49E-04	8.65E-08	3.40E-08
4143	490363.09, 3855377.25	4.67E-04	7.36E-08	2.89E-08	5.73E-04	9.02E-08	3.54E-08	5.03E-04	7.92E-08	3.11E-08
4144	490863.09, 3855377.25	3.19E-04	5.03E-08	1.98E-08	3.91E-04	6.16E-08	2.42E-08	3.43E-04	5.41E-08	2.13E-08
4145	491363.09, 3855377.25	2.64E-04	4.16E-08	1.64E-08	3.24E-04	5.10E-08	2.00E-08	2.84E-04	4.47E-08	1.76E-08
4146	491863.09, 3855377.25	3.45E-04	5.44E-08	2.14E-08	4.23E-04	6.66E-08	2.62E-08	3.71E-04	5.84E-08	2.30E-08
4147	492363.09, 3855377.25	3.21E-04	5.05E-08	1.99E-08	3.93E-04	6.19E-08	2.43E-08	3.45E-04	5.43E-08	2.13E-08
4148	492863.09, 3855377.25	2.92E-04	4.60E-08	1.81E-08	3.57E-04	5.63E-08	2.21E-08	3.14E-04	4.94E-08	1.94E-08
4149	493363.09, 3855377.25	2.55E-04	4.02E-08	1.58E-08	3.12E-04	4.92E-08	1.93E-08	2.74E-04	4.32E-08	1.70E-08
4150	493863.09, 3855377.25	1.99E-04	3.14E-08	1.23E-08	2.44E-04	3.85E-08	1.51E-08	2.14E-04	3.37E-08	1.33E-08
4151	494363.09, 3855377.25	1.46E-04	2.29E-08	9.01E-09	1.78E-04	2.81E-08	1.10E-08	1.56E-04	2.46E-08	9.68E-09
4152	494863.09, 3855377.25	1.04E-04	1.65E-08	6.47E-09	1.28E-04	2.02E-08	7.92E-09	1.12E-04	1.77E-08	6.94E-09
4153	495363.09, 3855377.25	7.97E-05	1.26E-08	4.93E-09	9.76E-05	1.54E-08	6.04E-09	8.56E-05	1.35E-08	5.30E-09
4154	495863.09, 3855377.25	6.45E-05	1.02E-08	3.99E-09	7.90E-05	1.24E-08	4.89E-09	6.93E-05	1.09E-08	4.29E-09
4155	496363.09, 3855377.25	6.01E-05	9.46E-09	3.72E-09	7.36E-05	1.16E-08	4.55E-09	6.45E-05	1.02E-08	3.99E-09
4156	496863.09, 3855377.25	5.67E-05	8.94E-09	3.51E-09	6.95E-05	1.09E-08	4.30E-09	6.09E-05	9.60E-09	3.77E-09

4157	497363.09, 3855377.25	5.58E-05	8.79E-09	3.45E-09	6.84E-05	1.08E-08	4.23E-09	5.99E-05	9.44E-09	3.71E-09
4158	497863.09, 3855377.25	5.72E-05	9.00E-09	3.54E-09	7.00E-05	1.10E-08	4.33E-09	6.14E-05	9.67E-09	3.80E-09
4159	498363.09, 3855377.25	5.94E-05	9.35E-09	3.67E-09	7.27E-05	1.15E-08	4.50E-09	6.37E-05	1.00E-08	3.94E-09
4160	471363.09, 3855877.25	1.70E-05	2.68E-09	1.05E-09	2.09E-05	3.29E-09	1.29E-09	1.83E-05	2.88E-09	1.13E-09
4161	471863.09, 3855877.25	1.80E-05	2.83E-09	1.11E-09	2.20E-05	3.47E-09	1.36E-09	1.93E-05	3.04E-09	1.19E-09
4162	472363.09, 3855877.25	1.97E-05	3.10E-09	1.22E-09	2.41E-05	3.80E-09	1.49E-09	2.12E-05	3.33E-09	1.31E-09
4163	472863.09, 3855877.25	2.05E-05	3.23E-09	1.27E-09	2.51E-05	3.96E-09	1.55E-09	2.20E-05	3.47E-09	1.36E-09
4164	473363.09, 3855877.25	2.28E-05	3.60E-09	1.41E-09	2.80E-05	4.41E-09	1.73E-09	2.45E-05	3.86E-09	1.52E-09
4165	473863.09, 3855877.25	2.49E-05	3.92E-09	1.54E-09	3.05E-05	4.80E-09	1.88E-09	2.67E-05	4.21E-09	1.65E-09
4166	474363.09, 3855877.25	2.66E-05	4.19E-09	1.64E-09	3.26E-05	5.13E-09	2.01E-09	2.85E-05	4.50E-09	1.77E-09
4167	474863.09, 3855877.25	2.30E-05	3.62E-09	1.42E-09	2.81E-05	4.43E-09	1.74E-09	2.46E-05	3.88E-09	1.53E-09
4168	475363.09, 3855877.25	1.51E-05	2.38E-09	9.37E-10	1.85E-05	2.92E-09	1.15E-09	1.63E-05	2.56E-09	1.01E-09
4169	475863.09, 3855877.25	6.58E-06	1.04E-09	4.07E-10	8.05E-06	1.27E-09	4.98E-10	7.06E-06	1.11E-09	4.37E-10
4170	476363.09, 3855877.25	7.11E-06	1.12E-09	4.40E-10	8.71E-06	1.37E-09	5.39E-10	7.63E-06	1.20E-09	4.72E-10
4171	476863.09, 3855877.25	1.09E-05	1.72E-09	6.76E-10	1.34E-05	2.11E-09	8.28E-10	1.17E-05	1.85E-09	7.26E-10
4172	477363.09, 3855877.25	1.36E-05	2.14E-09	8.40E-10	1.66E-05	2.62E-09	1.03E-09	1.46E-05	2.30E-09	9.02E-10
4173	477863.09, 3855877.25	1.71E-05	2.70E-09	1.06E-09	2.10E-05	3.30E-09	1.30E-09	1.84E-05	2.90E-09	1.14E-09
4174	478363.09, 3855877.25	2.26E-05	3.56E-09	1.40E-09	2.77E-05	4.36E-09	1.71E-09	2.43E-05	3.82E-09	1.50E-09
4175	478863.09, 3855877.25	3.10E-05	4.88E-09	1.92E-09	3.79E-05	5.97E-09	2.35E-09	3.33E-05	5.24E-09	2.06E-09
4176	479363.09, 3855877.25	4.42E-05	6.97E-09	2.74E-09	5.42E-05	8.53E-09	3.35E-09	4.75E-05	7.48E-09	2.94E-09
4177	479863.09, 3855877.25	6.04E-05	9.52E-09	3.74E-09	7.40E-05	1.17E-08	4.58E-09	6.49E-05	1.02E-08	4.01E-09
4178	480363.09, 3855877.25	8.56E-05	1.35E-08	5.30E-09	1.05E-04	1.65E-08	6.49E-09	9.19E-05	1.45E-08	5.69E-09
4179	480863.09, 3855877.25	1.20E-04	1.89E-08	7.43E-09	1.47E-04	2.32E-08	9.10E-09	1.29E-04	2.03E-08	7.98E-09
4180	481363.09, 3855877.25	1.43E-04	2.26E-08	8.87E-09	1.76E-04	2.77E-08	1.09E-08	1.54E-04	2.42E-08	9.52E-09
4181	481863.09, 3855877.25	1.99E-04	3.13E-08	1.23E-08	2.43E-04	3.83E-08	1.50E-08	2.13E-04	3.36E-08	1.32E-08
4182	482363.09, 3855877.25	2.28E-04	3.60E-08	1.41E-08	2.80E-04	4.41E-08	1.73E-08	2.45E-04	3.86E-08	1.52E-08
4183	482863.09, 3855877.25	2.89E-04	4.55E-08	1.79E-08	3.54E-04	5.58E-08	2.19E-08	3.10E-04	4.89E-08	1.92E-08
4184	483363.09, 3855877.25	3.78E-04	5.95E-08	2.34E-08	4.63E-04	7.29E-08	2.86E-08	4.06E-04	6.39E-08	2.51E-08
4185	483863.09, 3855877.25	5.24E-04	8.25E-08	3.24E-08	6.42E-04	1.01E-07	3.97E-08	5.63E-04	8.86E-08	3.48E-08
4186	484363.09, 3855877.25	8.14E-04	1.28E-07	5.04E-08	9.97E-04	1.57E-07	6.17E-08	8.75E-04	1.38E-07	5.42E-08
4187	484863.09, 3855877.25	1.66E-03	2.61E-07	1.02E-07	2.03E-03	3.19E-07	1.26E-07	1.78E-03	2.81E-07	1.10E-07
4188	485363.09, 3855877.25	7.07E-03	1.11E-06	4.38E-07	8.66E-03	1.36E-06	5.36E-07	7.64E-03	1.20E-06	4.73E-07
4189	485863.09, 3855877.25	6.24E-03	9.83E-07	3.86E-07	7.64E-03	1.20E-06	4.73E-07	6.73E-03	1.06E-06	4.17E-07
4190	486363.09, 3855877.25	2.54E-03	3.99E-07	1.57E-07	3.11E-03	4.89E-07	1.92E-07	2.73E-03	4.31E-07	1.69E-07
4191	486863.09, 3855877.25	1.69E-03	2.67E-07	1.05E-07	2.08E-03	3.27E-07	1.28E-07	1.83E-03	2.88E-07	1.13E-07
4192	487363.09, 3855877.25	1.37E-03	2.16E-07	8.49E-08	1.68E-03	2.65E-07	1.04E-07	1.48E-03	2.33E-07	9.15E-08
4193	487863.09, 3855877.25	1.14E-03	1.80E-07	7.08E-08	1.40E-03	2.21E-07	8.68E-08	1.23E-03	1.94E-07	7.63E-08
4194	488363.09, 3855877.25	9.66E-04	1.52E-07	5.98E-08	1.18E-03	1.86E-07	7.32E-08	1.04E-03	1.64E-07	6.44E-08
4195	488863.09, 3855877.25	8.29E-04	1.31E-07	5.13E-08	1.02E-03	1.60E-07	6.29E-08	8.93E-04	1.41E-07	5.53E-08
4196	489363.09, 3855877.25	7.20E-04	1.13E-07	4.46E-08	8.82E-04	1.39E-07	5.46E-08	7.75E-04	1.22E-07	4.80E-08
4197	489863.09, 3855877.25	6.32E-04	9.95E-08	3.91E-08	7.74E-04	1.22E-07	4.79E-08	6.80E-04	1.07E-07	4.21E-08
4198	490363.09, 3855877.25	5.60E-04	8.83E-08	3.47E-08	6.86E-04	1.08E-07	4.25E-08	6.02E-04	9.49E-08	3.73E-08
4199	490863.09, 3855877.25	4.97E-04	7.83E-08	3.07E-08	6.08E-04	9.58E-08	3.77E-08	5.34E-04	8.41E-08	3.30E-08
4200	491363.09, 3855877.25	4.24E-04	6.67E-08	2.62E-08	5.19E-04	8.17E-08	3.21E-08	4.55E-04	7.17E-08	2.82E-08
4201	491863.09, 3855877.25	4.01E-04	6.31E-08	2.48E-08	4.91E-04	7.73E-08	3.04E-08	4.30E-04	6.78E-08	2.66E-08
4202	492363.09, 3855877.25	3.58E-04	5.64E-08	2.21E-08	4.38E-04	6.90E-08	2.71E-08	3.84E-04	6.05E-08	2.38E-08
4203	492863.09, 3855877.25	3.21E-04	5.05E-08	1.98E-08	3.93E-04	6.19E-08	2.43E-08	3.44E-04	5.42E-08	2.13E-08
4204	493363.09, 3855877.25	2.53E-04	3.98E-08	1.56E-08	3.09E-04	4.87E-08	1.91E-08	2.71E-04	4.27E-08	1.68E-08
4205	493863.09, 3855877.25	1.78E-04	2.80E-08	1.10E-08	2.18E-04	3.43E-08	1.35E-08	1.91E-04	3.00E-08	1.18E-08
4206	494363.09, 3855877.25	1.23E-04	1.93E-08	7.58E-09	1.50E-04	2.36E-08	9.29E-09	1.32E-04	2.07E-08	8.14E-09
4207	494863.09, 3855877.25	9.06E-05	1.43E-08	5.61E-09	1.11E-04	1.75E-08	6.87E-09	9.73E-05	1.53E-08	6.02E-09
4208	495363.09, 3855877.25	6.41E-05	1.01E-08	3.97E-09	7.85E-05	1.24E-08	4.86E-09	6.89E-05	1.08E-08	4.26E-09
4209	495863.09, 3855877.25	6.03E-05	9.51E-09	3.73E-09	7.39E-05	1.16E-08	4.57E-09	6.48E-05	1.02E-08	4.01E-09
4210	496363.09, 3855877.25	5.79E-05	9.12E-09	3.58E-09	7.09E-05	1.12E-08	4.39E-09	6.21E-05	9.79E-09	3.85E-09
4211	496863.09, 3855877.25	5.82E-05	9.16E-09	3.60E-09	7.12E-05	1.12E-08	4.41E-09	6.24E-05	9.84E-09	3.86E-09
4212	497363.09, 3855877.25	5.90E-05	9.29E-09	3.65E-09	7.22E-05	1.14E-08	4.47E-09	6.33E-05	9.98E-09	3.92E-09
4213	497863.09, 3855877.25	6.11E-05	9.62E-09	3.78E-09	7.48E-05	1.18E-08	4.63E-09	6.56E-05	1.03E-08	4.06E-09
4214	498363.09, 3855877.25	6.80E-05	1.07E-08	4.21E-09	8.32E-05	1.31E-08	5.15E-09	7.30E-05	1.15E-08	4.52E-09
4215	471363.09, 3856377.25	1.77E-05	2.79E-09	1.09E-09	2.17E-05	3.41E-09	1.34E-09	1.90E-05	2.99E-09	1.17E-09
4216	471863.09, 3856377.25	1.86E-05	2.92E-09	1.15E-09	2.27E-05	3.58E-09	1.41E-09	1.99E-05	3.14E-09	1.23E-09
4217	472363.09, 3856377.25	2.00E-05	3.14E-09	1.23E-09	2.44E-05	3.85E-09	1.51E-09	2.14E-05	3.37E-09	1.33E-09
4218	472863.09, 3856377.25	2.17E-05	3.41E-09	1.34E-09	2.65E-05	4.18E-09	1.64E-09	2.33E-05	3.66E-09	1.44E-09
4219	473363.09, 3856377.25	2.33E-05	3.67E-09	1.44E-09	2.85E-05	4.49E-09	1.76E-09	2.50E-05	3.94E-09	1.55E-09
4220	473863.09, 3856377.25	2.58E-05	4.06E-09	1.60E-09	3.16E-05	4.97E-09	1.95E-09	2.77E-05	4.36E-09	1.71E-09
4221	474363.09, 3856377.25	2.63E-05	4.14E-09	1.63E-09	3.22E-05	5.07E-09	1.99E-09	2.82E-05	4.45E-09	1.75E-09

4222	474863.09, 3856377.25	2.59E-05	4.07E-09	1.60E-09	3.17E-05	4.99E-09	1.96E-09	2.78E-05	4.38E-09	1.72E-09
4223	475363.09, 3856377.25	2.18E-05	3.43E-09	1.35E-09	2.67E-05	4.21E-09	1.65E-09	2.34E-05	3.69E-09	1.45E-09
4224	475863.09, 3856377.25	1.51E-05	2.38E-09	9.34E-10	1.85E-05	2.91E-09	1.14E-09	1.62E-05	2.55E-09	1.00E-09
4225	476363.09, 3856377.25	1.42E-05	2.23E-09	8.78E-10	1.74E-05	2.74E-09	1.07E-09	1.52E-05	2.40E-09	9.43E-10
4226	476863.09, 3856377.25	1.46E-05	2.30E-09	9.05E-10	1.79E-05	2.82E-09	1.11E-09	1.57E-05	2.48E-09	9.73E-10
4227	477363.09, 3856377.25	1.59E-05	2.51E-09	9.86E-10	1.95E-05	3.07E-09	1.21E-09	1.71E-05	2.69E-09	1.06E-09
4228	477863.09, 3856377.25	1.28E-05	2.02E-09	7.95E-10	1.57E-05	2.48E-09	9.74E-10	1.38E-05	2.17E-09	8.54E-10
4229	478363.09, 3856377.25	1.16E-05	1.83E-09	7.18E-10	1.42E-05	2.24E-09	8.79E-10	1.25E-05	1.96E-09	7.71E-10
4230	478863.09, 3856377.25	2.43E-05	3.83E-09	1.50E-09	2.98E-05	4.69E-09	1.84E-09	2.61E-05	4.11E-09	1.61E-09
4231	479363.09, 3856377.25	3.34E-05	5.26E-09	2.07E-09	4.09E-05	6.44E-09	2.53E-09	3.59E-05	5.65E-09	2.22E-09
4232	479863.09, 3856377.25	5.96E-05	9.40E-09	3.69E-09	7.31E-05	1.15E-08	4.52E-09	6.41E-05	1.01E-08	3.96E-09
4233	480363.09, 3856377.25	9.08E-05	1.43E-08	5.62E-09	1.11E-04	1.75E-08	6.88E-09	9.74E-05	1.53E-08	6.03E-09
4234	480863.09, 3856377.25	1.20E-04	1.88E-08	7.40E-09	1.46E-04	2.31E-08	9.06E-09	1.28E-04	2.02E-08	7.94E-09
4235	481363.09, 3856377.25	1.52E-04	2.40E-08	9.43E-09	1.87E-04	2.94E-08	1.15E-08	1.63E-04	2.58E-08	1.01E-08
4236	481863.09, 3856377.25	1.82E-04	2.86E-08	1.12E-08	2.23E-04	3.51E-08	1.38E-08	1.95E-04	3.07E-08	1.21E-08
4237	482363.09, 3856377.25	2.04E-04	3.22E-08	1.26E-08	2.50E-04	3.94E-08	1.55E-08	2.19E-04	3.46E-08	1.36E-08
4238	482863.09, 3856377.25	2.49E-04	3.93E-08	1.54E-08	3.06E-04	4.81E-08	1.89E-08	2.68E-04	4.22E-08	1.66E-08
4239	483363.09, 3856377.25	3.12E-04	4.91E-08	1.93E-08	3.82E-04	6.02E-08	2.36E-08	3.35E-04	5.28E-08	2.07E-08
4240	483863.09, 3856377.25	4.01E-04	6.31E-08	2.48E-08	4.91E-04	7.73E-08	3.04E-08	4.31E-04	6.78E-08	2.66E-08
4241	484363.09, 3856377.25	5.25E-04	8.26E-08	3.25E-08	6.42E-04	1.01E-07	3.98E-08	5.64E-04	8.89E-08	3.49E-08
4242	484863.09, 3856377.25	7.54E-04	1.19E-07	4.66E-08	9.23E-04	1.45E-07	5.71E-08	8.12E-04	1.28E-07	5.02E-08
4243	485363.09, 3856377.25	1.38E-03	2.18E-07	8.56E-08	1.69E-03	2.67E-07	1.05E-07	1.49E-03	2.35E-07	9.23E-08
4244	485863.09, 3856377.25	5.25E-03	8.28E-07	3.25E-07	6.43E-03	1.01E-06	3.98E-07	5.67E-03	8.93E-07	3.51E-07
4245	486363.09, 3856377.25	6.64E-03	1.05E-06	4.11E-07	8.14E-03	1.28E-06	5.04E-07	7.17E-03	1.13E-06	4.44E-07
4246	486863.09, 3856377.25	3.07E-03	4.84E-07	1.90E-07	3.77E-03	5.93E-07	2.33E-07	3.32E-03	5.23E-07	2.05E-07
4247	487363.09, 3856377.25	2.04E-03	3.22E-07	1.26E-07	2.50E-03	3.94E-07	1.55E-07	2.20E-03	3.47E-07	1.36E-07
4248	487863.09, 3856377.25	1.54E-03	2.42E-07	9.50E-08	1.88E-03	2.96E-07	1.16E-07	1.65E-03	2.61E-07	1.02E-07
4249	488363.09, 3856377.25	1.22E-03	1.92E-07	7.53E-08	1.49E-03	2.35E-07	9.22E-08	1.31E-03	2.06E-07	8.11E-08
4250	488863.09, 3856377.25	1.00E-03	1.57E-07	6.19E-08	1.22E-03	1.93E-07	7.58E-08	1.08E-03	1.69E-07	6.65E-08
4251	489363.09, 3856377.25	8.42E-04	1.33E-07	5.21E-08	1.03E-03	1.62E-07	6.38E-08	9.05E-04	1.43E-07	5.60E-08
4252	489863.09, 3856377.25	7.22E-04	1.14E-07	4.47E-08	8.85E-04	1.39E-07	5.48E-08	7.76E-04	1.22E-07	4.80E-08
4253	490363.09, 3856377.25	6.27E-04	9.88E-08	3.88E-08	7.68E-04	1.21E-07	4.75E-08	6.73E-04	1.06E-07	4.17E-08
4254	490863.09, 3856377.25	5.51E-04	8.67E-08	3.41E-08	6.74E-04	1.06E-07	4.17E-08	5.91E-04	9.31E-08	3.66E-08
4255	491363.09, 3856377.25	4.87E-04	7.67E-08	3.01E-08	5.97E-04	9.40E-08	3.69E-08	5.23E-04	8.24E-08	3.24E-08
4256	491863.09, 3856377.25	4.33E-04	6.82E-08	2.68E-08	5.30E-04	8.35E-08	3.28E-08	4.64E-04	7.32E-08	2.87E-08
4257	492363.09, 3856377.25	3.81E-04	6.00E-08	2.36E-08	4.66E-04	7.35E-08	2.89E-08	4.09E-04	6.44E-08	2.53E-08
4258	492863.09, 3856377.25	3.14E-04	4.95E-08	1.94E-08	3.85E-04	6.06E-08	2.38E-08	3.37E-04	5.31E-08	2.09E-08
4259	493363.09, 3856377.25	2.03E-04	3.19E-08	1.26E-08	2.48E-04	3.91E-08	1.54E-08	2.18E-04	3.43E-08	1.35E-08
4260	493863.09, 3856377.25	1.53E-04	2.41E-08	9.46E-09	1.87E-04	2.95E-08	1.16E-08	1.64E-04	2.59E-08	1.02E-08
4261	494363.09, 3856377.25	1.08E-04	1.70E-08	6.69E-09	1.32E-04	2.08E-08	8.19E-09	1.16E-04	1.83E-08	7.18E-09
4262	494863.09, 3856377.25	7.92E-05	1.25E-08	4.90E-09	9.70E-05	1.53E-08	6.00E-09	8.50E-05	1.34E-08	5.26E-09
4263	495363.09, 3856377.25	6.31E-05	9.94E-09	3.91E-09	7.73E-05	1.22E-08	4.78E-09	6.78E-05	1.07E-08	4.19E-09
4264	495863.09, 3856377.25	5.90E-05	9.29E-09	3.65E-09	7.22E-05	1.14E-08	4.47E-09	6.33E-05	9.97E-09	3.92E-09
4265	496363.09, 3856377.25	5.77E-05	9.09E-09	3.57E-09	7.07E-05	1.11E-08	4.37E-09	6.20E-05	9.76E-09	3.83E-09
4266	496863.09, 3856377.25	6.06E-05	9.55E-09	3.75E-09	7.42E-05	1.17E-08	4.59E-09	6.51E-05	1.03E-08	4.03E-09
4267	497363.09, 3856377.25	6.29E-05	9.91E-09	3.89E-09	7.70E-05	1.21E-08	4.77E-09	6.75E-05	1.06E-08	4.18E-09
4268	497863.09, 3856377.25	6.77E-05	1.07E-08	4.19E-09	8.29E-05	1.31E-08	5.13E-09	7.27E-05	1.14E-08	4.50E-09
4269	498363.09, 3856377.25	7.43E-05	1.17E-08	4.60E-09	9.10E-05	1.43E-08	5.63E-09	7.98E-05	1.26E-08	4.94E-09
4270	471363.09, 3856877.25	1.81E-05	2.85E-09	1.12E-09	2.22E-05	3.49E-09	1.37E-09	1.94E-05	3.06E-09	1.20E-09
4271	471863.09, 3856877.25	1.88E-05	2.96E-09	1.16E-09	2.30E-05	3.63E-09	1.43E-09	2.02E-05	3.18E-09	1.25E-09
4272	472363.09, 3856877.25	2.01E-05	3.17E-09	1.25E-09	2.47E-05	3.89E-09	1.53E-09	2.16E-05	3.41E-09	1.34E-09
4273	472863.09, 3856877.25	2.16E-05	3.40E-09	1.34E-09	2.64E-05	4.16E-09	1.64E-09	2.32E-05	3.65E-09	1.43E-09
4274	473363.09, 3856877.25	2.39E-05	3.77E-09	1.48E-09	2.93E-05	4.62E-09	1.81E-09	2.57E-05	4.05E-09	1.59E-09
4275	473863.09, 3856877.25	2.56E-05	4.04E-09	1.59E-09	3.14E-05	4.95E-09	1.94E-09	2.75E-05	4.34E-09	1.70E-09
4276	474363.09, 3856877.25	2.59E-05	4.08E-09	1.60E-09	3.18E-05	5.00E-09	1.96E-09	2.78E-05	4.38E-09	1.72E-09
4277	474863.09, 3856877.25	2.52E-05	3.97E-09	1.56E-09	3.09E-05	4.87E-09	1.91E-09	2.71E-05	4.27E-09	1.68E-09
4278	475363.09, 3856877.25	2.23E-05	3.52E-09	1.38E-09	2.74E-05	4.31E-09	1.69E-09	2.40E-05	3.78E-09	1.48E-09
4279	475863.09, 3856877.25	2.27E-05	3.58E-09	1.41E-09	2.79E-05	4.39E-09	1.72E-09	2.44E-05	3.85E-09	1.51E-09
4280	476363.09, 3856877.25	2.01E-05	3.16E-09	1.24E-09	2.46E-05	3.87E-09	1.52E-09	2.15E-05	3.39E-09	1.33E-09
4281	476863.09, 3856877.25	1.95E-05	3.08E-09	1.21E-09	2.39E-05	3.77E-09	1.48E-09	2.10E-05	3.30E-09	1.30E-09
4282	477363.09, 3856877.25	1.74E-05	2.74E-09	1.07E-09	2.13E-05	3.35E-09	1.32E-09	1.86E-05	2.94E-09	1.15E-09
4283	477863.09, 3856877.25	1.17E-05	1.85E-09	7.26E-10	1.44E-05	2.26E-09	8.89E-10	1.26E-05	1.98E-09	7.79E-10
4284	478363.09, 3856877.25	1.04E-05	1.64E-09	6.46E-10	1.28E-05	2.01E-09	7.91E-10	1.12E-05	1.77E-09	6.94E-10
4285	478863.09, 3856877.25	1.36E-05	2.15E-09	8.44E-10	1.67E-05	2.63E-09	1.03E-09	1.47E-05	2.31E-09	9.07E-10
4286	479363.09, 3856877.25	1.90E-05	3.00E-09	1.18E-09	2.33E-05	3.67E-09	1.44E-09	2.04E-05	3.22E-09	1.26E-09

4287	479863.09, 3856877.25	5.44E-05	8.58E-09	3.37E-09	6.67E-05	1.05E-08	4.13E-09	5.85E-05	9.21E-09	3.62E-09
4288	480363.09, 3856877.25	8.81E-05	1.39E-08	5.45E-09	1.08E-04	1.70E-08	6.68E-09	9.46E-05	1.49E-08	5.85E-09
4289	480863.09, 3856877.25	1.16E-04	1.83E-08	7.19E-09	1.42E-04	2.24E-08	8.81E-09	1.25E-04	1.96E-08	7.72E-09
4290	481363.09, 3856877.25	1.40E-04	2.21E-08	8.69E-09	1.72E-04	2.71E-08	1.06E-08	1.51E-04	2.38E-08	9.33E-09
4291	481863.09, 3856877.25	1.65E-04	2.59E-08	1.02E-08	2.02E-04	3.18E-08	1.25E-08	1.77E-04	2.79E-08	1.09E-08
4292	482363.09, 3856877.25	1.83E-04	2.89E-08	1.13E-08	2.25E-04	3.54E-08	1.39E-08	1.97E-04	3.10E-08	1.22E-08
4293	482863.09, 3856877.25	2.15E-04	3.39E-08	1.33E-08	2.64E-04	4.16E-08	1.63E-08	2.31E-04	3.64E-08	1.43E-08
4294	483363.09, 3856877.25	2.59E-04	4.09E-08	1.61E-08	3.18E-04	5.01E-08	1.97E-08	2.79E-04	4.39E-08	1.73E-08
4295	483863.09, 3856877.25	3.18E-04	5.00E-08	1.97E-08	3.89E-04	6.13E-08	2.41E-08	3.41E-04	5.38E-08	2.11E-08
4296	484363.09, 3856877.25	3.96E-04	6.23E-08	2.45E-08	4.84E-04	7.63E-08	3.00E-08	4.26E-04	6.70E-08	2.63E-08
4297	484863.09, 3856877.25	5.05E-04	7.96E-08	3.13E-08	6.19E-04	9.75E-08	3.83E-08	5.44E-04	8.57E-08	3.37E-08
4298	485363.09, 3856877.25	7.14E-04	1.12E-07	4.42E-08	8.74E-04	1.38E-07	5.41E-08	7.68E-04	1.21E-07	4.75E-08
4299	485863.09, 3856877.25	1.19E-03	1.87E-07	7.34E-08	1.45E-03	2.29E-07	8.99E-08	1.28E-03	2.01E-07	7.91E-08
4300	486363.09, 3856877.25	5.40E-03	8.51E-07	3.34E-07	6.62E-03	1.04E-06	4.10E-07	5.83E-03	9.19E-07	3.61E-07
4301	486863.09, 3856877.25	8.01E-03	1.26E-06	4.95E-07	9.80E-03	1.54E-06	6.07E-07	8.64E-03	1.36E-06	5.34E-07
4302	487363.09, 3856877.25	3.21E-03	5.05E-07	1.98E-07	3.93E-03	6.19E-07	2.43E-07	3.45E-03	5.44E-07	2.14E-07
4303	487863.09, 3856877.25	1.95E-03	3.07E-07	1.21E-07	2.39E-03	3.76E-07	1.48E-07	2.09E-03	3.30E-07	1.30E-07
4304	488363.09, 3856877.25	1.43E-03	2.25E-07	8.84E-08	1.75E-03	2.76E-07	1.08E-07	1.53E-03	2.41E-07	9.47E-08
4305	488863.09, 3856877.25	1.13E-03	1.77E-07	6.97E-08	1.38E-03	2.17E-07	8.53E-08	1.21E-03	1.90E-07	7.46E-08
4306	489363.09, 3856877.25	9.20E-04	1.45E-07	5.69E-08	1.13E-03	1.78E-07	6.97E-08	9.85E-04	1.55E-07	6.10E-08
4307	489863.09, 3856877.25	7.72E-04	1.22E-07	4.78E-08	9.45E-04	1.49E-07	5.85E-08	8.27E-04	1.30E-07	5.12E-08
4308	490363.09, 3856877.25	6.59E-04	1.04E-07	4.08E-08	8.07E-04	1.27E-07	5.00E-08	7.06E-04	1.11E-07	4.37E-08
4309	490863.09, 3856877.25	5.70E-04	8.98E-08	3.53E-08	6.98E-04	1.10E-07	4.32E-08	6.11E-04	9.62E-08	3.78E-08
4310	491363.09, 3856877.25	4.99E-04	7.86E-08	3.09E-08	6.11E-04	9.63E-08	3.78E-08	5.35E-04	8.43E-08	3.31E-08
4311	491863.09, 3856877.25	4.40E-04	6.94E-08	2.73E-08	5.39E-04	8.50E-08	3.34E-08	4.72E-04	7.44E-08	2.92E-08
4312	492363.09, 3856877.25	3.64E-04	5.73E-08	2.25E-08	4.45E-04	7.02E-08	2.76E-08	3.90E-04	6.14E-08	2.41E-08
4313	492863.09, 3856877.25	2.86E-04	4.50E-08	1.77E-08	3.50E-04	5.51E-08	2.17E-08	3.06E-04	4.83E-08	1.90E-08
4314	493363.09, 3856877.25	2.04E-04	3.22E-08	1.26E-08	2.50E-04	3.94E-08	1.55E-08	2.19E-04	3.45E-08	1.36E-08
4315	493863.09, 3856877.25	1.35E-04	2.13E-08	8.36E-09	1.65E-04	2.61E-08	1.02E-08	1.45E-04	2.28E-08	8.97E-09
4316	494363.09, 3856877.25	9.39E-05	1.48E-08	5.81E-09	1.15E-04	1.81E-08	7.11E-09	1.01E-04	1.59E-08	6.23E-09
4317	494863.09, 3856877.25	7.69E-05	1.21E-08	4.76E-09	9.42E-05	1.48E-08	5.83E-09	8.26E-05	1.30E-08	5.11E-09
4318	495363.09, 3856877.25	6.76E-05	1.07E-08	4.19E-09	8.28E-05	1.30E-08	5.13E-09	7.26E-05	1.14E-08	4.49E-09
4319	495863.09, 3856877.25	6.45E-05	1.02E-08	3.99E-09	7.90E-05	1.24E-08	4.89E-09	6.92E-05	1.09E-08	4.28E-09
4320	496363.09, 3856877.25	6.26E-05	9.87E-09	3.88E-09	7.67E-05	1.21E-08	4.75E-09	6.72E-05	1.06E-08	4.16E-09
4321	496863.09, 3856877.25	6.32E-05	9.96E-09	3.91E-09	7.75E-05	1.22E-08	4.79E-09	6.79E-05	1.07E-08	4.20E-09
4322	497363.09, 3856877.25	6.61E-05	1.04E-08	4.09E-09	8.10E-05	1.28E-08	5.01E-09	7.10E-05	1.12E-08	4.39E-09
4323	497863.09, 3856877.25	7.41E-05	1.17E-08	4.59E-09	9.08E-05	1.43E-08	5.62E-09	7.95E-05	1.25E-08	4.92E-09
4324	498363.09, 3856877.25	8.38E-05	1.32E-08	5.19E-09	1.03E-04	1.62E-08	6.35E-09	9.00E-05	1.42E-08	5.57E-09
4325	471363.09, 3857377.25	1.84E-05	2.90E-09	1.14E-09	2.25E-05	3.55E-09	1.40E-09	1.98E-05	3.11E-09	1.22E-09
4326	471863.09, 3857377.25	1.91E-05	3.00E-09	1.18E-09	2.34E-05	3.68E-09	1.45E-09	2.05E-05	3.23E-09	1.27E-09
4327	472363.09, 3857377.25	2.02E-05	3.18E-09	1.25E-09	2.48E-05	3.90E-09	1.53E-09	2.17E-05	3.42E-09	1.34E-09
4328	472863.09, 3857377.25	2.17E-05	3.41E-09	1.34E-09	2.65E-05	4.18E-09	1.64E-09	2.33E-05	3.67E-09	1.44E-09
4329	473363.09, 3857377.25	2.35E-05	3.71E-09	1.46E-09	2.88E-05	4.54E-09	1.78E-09	2.53E-05	3.98E-09	1.57E-09
4330	473863.09, 3857377.25	2.58E-05	4.07E-09	1.60E-09	3.16E-05	4.98E-09	1.96E-09	2.77E-05	4.37E-09	1.72E-09
4331	474363.09, 3857377.25	2.55E-05	4.02E-09	1.58E-09	3.13E-05	4.92E-09	1.93E-09	2.74E-05	4.32E-09	1.70E-09
4332	474863.09, 3857377.25	2.09E-05	3.29E-09	1.29E-09	2.56E-05	4.03E-09	1.58E-09	2.24E-05	3.53E-09	1.39E-09
4333	475363.09, 3857377.25	1.47E-05	2.32E-09	9.12E-10	1.81E-05	2.84E-09	1.12E-09	1.58E-05	2.49E-09	9.80E-10
4334	475863.09, 3857377.25	1.38E-05	2.17E-09	8.51E-10	1.68E-05	2.65E-09	1.04E-09	1.48E-05	2.33E-09	9.14E-10
4335	476363.09, 3857377.25	1.86E-05	2.94E-09	1.15E-09	2.28E-05	3.60E-09	1.41E-09	2.00E-05	3.15E-09	1.24E-09
4336	476863.09, 3857377.25	2.03E-05	3.19E-09	1.25E-09	2.48E-05	3.91E-09	1.54E-09	2.18E-05	3.43E-09	1.35E-09
4337	477363.09, 3857377.25	1.77E-05	2.78E-09	1.09E-09	2.16E-05	3.41E-09	1.34E-09	1.90E-05	2.99E-09	1.17E-09
4338	477863.09, 3857377.25	1.30E-05	2.04E-09	8.02E-10	1.59E-05	2.50E-09	9.82E-10	1.39E-05	2.19E-09	8.61E-10
4339	478363.09, 3857377.25	9.78E-06	1.54E-09	6.05E-10	1.20E-05	1.89E-09	7.41E-10	1.05E-05	1.65E-09	6.50E-10
4340	478863.09, 3857377.25	8.38E-06	1.32E-09	5.19E-10	1.03E-05	1.62E-09	6.36E-10	9.01E-06	1.42E-09	5.57E-10
4341	479363.09, 3857377.25	1.42E-05	2.24E-09	8.81E-10	1.74E-05	2.75E-09	1.08E-09	1.53E-05	2.41E-09	9.46E-10
4342	479863.09, 3857377.25	4.48E-05	7.06E-09	2.78E-09	5.49E-05	8.65E-09	3.40E-09	4.82E-05	7.59E-09	2.98E-09
4343	480363.09, 3857377.25	3.60E-05	5.68E-09	2.23E-09	4.41E-05	6.95E-09	2.73E-09	3.87E-05	6.10E-09	2.40E-09
4344	480863.09, 3857377.25	1.07E-04	1.69E-08	6.63E-09	1.31E-04	2.07E-08	8.13E-09	1.15E-04	1.81E-08	7.13E-09
4345	481363.09, 3857377.25	1.22E-04	1.92E-08	7.54E-09	1.49E-04	2.35E-08	9.24E-09	1.31E-04	2.06E-08	8.10E-09
4346	481863.09, 3857377.25	1.47E-04	2.31E-08	9.08E-09	1.80E-04	2.83E-08	1.11E-08	1.58E-04	2.48E-08	9.75E-09
4347	482363.09, 3857377.25	1.67E-04	2.62E-08	1.03E-08	2.04E-04	3.21E-08	1.26E-08	1.79E-04	2.82E-08	1.11E-08
4348	482863.09, 3857377.25	1.87E-04	2.95E-08	1.16E-08	2.30E-04	3.62E-08	1.42E-08	2.01E-04	3.17E-08	1.25E-08
4349	483363.09, 3857377.25	2.17E-04	3.42E-08	1.34E-08	2.66E-04	4.18E-08	1.64E-08	2.33E-04	3.67E-08	1.44E-08
4350	483863.09, 3857377.25	2.57E-04	4.04E-08	1.59E-08	3.14E-04	4.95E-08	1.95E-08	2.76E-04	4.35E-08	1.71E-08
4351	484363.09, 3857377.25	3.04E-04	4.79E-08	1.88E-08	3.73E-04	5.87E-08	2.31E-08	3.27E-04	5.16E-08	2.03E-08

4352	484863.09, 3857377.25	3.70E-04	5.83E-08	2.29E-08	4.54E-04	7.14E-08	2.81E-08	3.98E-04	6.27E-08	2.46E-08
4353	485363.09, 3857377.25	4.65E-04	7.33E-08	2.88E-08	5.70E-04	8.97E-08	3.52E-08	5.00E-04	7.88E-08	3.09E-08
4354	485863.09, 3857377.25	6.22E-04	9.81E-08	3.85E-08	7.62E-04	1.20E-07	4.72E-08	6.69E-04	1.05E-07	4.14E-08
4355	486363.09, 3857377.25	1.02E-03	1.61E-07	6.34E-08	1.25E-03	1.98E-07	7.76E-08	1.10E-03	1.73E-07	6.80E-08
4356	486863.09, 3857377.25	3.32E-03	5.23E-07	2.05E-07	4.07E-03	6.41E-07	2.52E-07	3.55E-03	5.59E-07	2.20E-07
4357	487363.09, 3857377.25	6.20E-03	9.77E-07	3.84E-07	7.60E-03	1.20E-06	4.70E-07	6.46E-03	1.02E-06	4.00E-07
4358	487863.09, 3857377.25	2.42E-03	3.81E-07	1.50E-07	2.96E-03	4.67E-07	1.83E-07	2.56E-03	4.03E-07	1.58E-07
4359	488363.09, 3857377.25	1.58E-03	2.49E-07	9.79E-08	1.94E-03	3.05E-07	1.20E-07	1.68E-03	2.65E-07	1.04E-07
4360	488863.09, 3857377.25	1.17E-03	1.84E-07	7.24E-08	1.43E-03	2.26E-07	8.86E-08	1.25E-03	1.97E-07	7.73E-08
4361	489363.09, 3857377.25	9.23E-04	1.45E-07	5.71E-08	1.13E-03	1.78E-07	6.99E-08	9.87E-04	1.55E-07	6.11E-08
4362	489863.09, 3857377.25	7.60E-04	1.20E-07	4.70E-08	9.31E-04	1.47E-07	5.76E-08	8.14E-04	1.28E-07	5.04E-08
4363	490363.09, 3857377.25	6.41E-04	1.01E-07	3.97E-08	7.85E-04	1.24E-07	4.86E-08	6.86E-04	1.08E-07	4.25E-08
4364	490863.09, 3857377.25	5.51E-04	8.68E-08	3.41E-08	6.74E-04	1.06E-07	4.17E-08	5.90E-04	9.30E-08	3.65E-08
4365	491363.09, 3857377.25	4.80E-04	7.56E-08	2.97E-08	5.88E-04	9.26E-08	3.64E-08	5.14E-04	8.10E-08	3.18E-08
4366	491863.09, 3857377.25	4.20E-04	6.61E-08	2.60E-08	5.14E-04	8.10E-08	3.18E-08	4.50E-04	7.09E-08	2.79E-08
4367	492363.09, 3857377.25	3.27E-04	5.16E-08	2.03E-08	4.01E-04	6.32E-08	2.48E-08	3.51E-04	5.53E-08	2.17E-08
4368	492863.09, 3857377.25	2.27E-04	3.57E-08	1.40E-08	2.78E-04	4.37E-08	1.72E-08	2.43E-04	3.83E-08	1.50E-08
4369	493363.09, 3857377.25	1.51E-04	2.38E-08	9.36E-09	1.85E-04	2.92E-08	1.15E-08	1.62E-04	2.56E-08	1.00E-08
4370	493863.09, 3857377.25	1.22E-04	1.92E-08	7.55E-09	1.49E-04	2.35E-08	9.25E-09	1.31E-04	2.06E-08	8.11E-09
4371	494363.09, 3857377.25	9.70E-05	1.53E-08	6.00E-09	1.19E-04	1.87E-08	7.35E-09	1.04E-04	1.64E-08	6.44E-09
4372	494863.09, 3857377.25	8.52E-05	1.34E-08	5.27E-09	1.04E-04	1.64E-08	6.46E-09	9.14E-05	1.44E-08	5.66E-09
4373	495363.09, 3857377.25	7.61E-05	1.20E-08	4.71E-09	9.33E-05	1.47E-08	5.77E-09	8.17E-05	1.29E-08	5.06E-09
4374	495863.09, 3857377.25	7.27E-05	1.15E-08	4.50E-09	8.91E-05	1.40E-08	5.51E-09	7.81E-05	1.23E-08	4.83E-09
4375	496363.09, 3857377.25	7.08E-05	1.12E-08	4.38E-09	8.67E-05	1.37E-08	5.37E-09	7.60E-05	1.20E-08	4.70E-09
4376	496863.09, 3857377.25	7.01E-05	1.10E-08	4.34E-09	8.58E-05	1.35E-08	5.31E-09	7.52E-05	1.18E-08	4.66E-09
4377	497363.09, 3857377.25	7.29E-05	1.15E-08	4.51E-09	8.93E-05	1.41E-08	5.53E-09	7.83E-05	1.23E-08	4.84E-09
4378	497863.09, 3857377.25	7.86E-05	1.24E-08	4.87E-09	9.63E-05	1.52E-08	5.96E-09	8.44E-05	1.33E-08	5.22E-09
4379	498363.09, 3857377.25	9.51E-05	1.50E-08	5.89E-09	1.16E-04	1.84E-08	7.21E-09	1.02E-04	1.61E-08	6.32E-09
4380	471363.09, 3857877.25	1.84E-05	2.91E-09	1.14E-09	2.26E-05	3.56E-09	1.40E-09	1.98E-05	3.12E-09	1.23E-09
4381	471863.09, 3857877.25	1.93E-05	3.03E-09	1.19E-09	2.36E-05	3.72E-09	1.46E-09	2.07E-05	3.26E-09	1.28E-09
4382	472363.09, 3857877.25	2.05E-05	3.22E-09	1.27E-09	2.51E-05	3.95E-09	1.55E-09	2.20E-05	3.46E-09	1.36E-09
4383	472863.09, 3857877.25	2.22E-05	3.50E-09	1.38E-09	2.72E-05	4.29E-09	1.69E-09	2.39E-05	3.76E-09	1.48E-09
4384	473363.09, 3857877.25	2.37E-05	3.74E-09	1.47E-09	2.91E-05	4.58E-09	1.80E-09	2.55E-05	4.02E-09	1.58E-09
4385	473863.09, 3857877.25	2.59E-05	4.07E-09	1.60E-09	3.17E-05	4.99E-09	1.96E-09	2.78E-05	4.38E-09	1.72E-09
4386	474363.09, 3857877.25	2.53E-05	3.98E-09	1.56E-09	3.10E-05	4.88E-09	1.92E-09	2.71E-05	4.28E-09	1.68E-09
4387	474863.09, 3857877.25	2.00E-05	3.15E-09	1.24E-09	2.45E-05	3.86E-09	1.52E-09	2.15E-05	3.38E-09	1.33E-09
4388	475363.09, 3857877.25	1.10E-05	1.74E-09	6.82E-10	1.35E-05	2.13E-09	8.36E-10	1.18E-05	1.87E-09	7.33E-10
4389	475863.09, 3857877.25	4.90E-06	7.72E-10	3.03E-10	6.00E-06	9.45E-10	3.71E-10	5.26E-06	8.29E-10	3.26E-10
4390	476363.09, 3857877.25	1.28E-05	2.02E-09	7.92E-10	1.57E-05	2.47E-09	9.70E-10	1.37E-05	2.17E-09	8.51E-10
4391	476863.09, 3857877.25	1.64E-05	2.58E-09	1.02E-09	2.01E-05	3.17E-09	1.24E-09	1.76E-05	2.78E-09	1.09E-09
4392	477363.09, 3857877.25	1.61E-05	2.54E-09	9.96E-10	1.97E-05	3.11E-09	1.22E-09	1.73E-05	2.72E-09	1.07E-09
4393	477863.09, 3857877.25	1.55E-05	2.45E-09	9.62E-10	1.90E-05	3.00E-09	1.18E-09	1.67E-05	2.63E-09	1.03E-09
4394	478363.09, 3857877.25	8.25E-06	1.30E-09	5.11E-10	1.01E-05	1.59E-09	6.26E-10	8.86E-06	1.40E-09	5.49E-10
4395	478863.09, 3857877.25	6.73E-06	1.06E-09	4.17E-10	8.25E-06	1.30E-09	5.10E-10	7.23E-06	1.14E-09	4.48E-10
4396	479363.09, 3857877.25	4.01E-05	6.32E-09	2.48E-09	4.92E-05	7.75E-09	3.04E-09	4.31E-05	6.79E-09	2.67E-09
4397	479863.09, 3857877.25	7.23E-05	1.14E-08	4.47E-09	8.86E-05	1.40E-08	5.48E-09	7.77E-05	1.22E-08	4.81E-09
4398	480363.09, 3857877.25	8.69E-05	1.37E-08	5.38E-09	1.06E-04	1.68E-08	6.59E-09	9.34E-05	1.47E-08	5.78E-09
4399	480863.09, 3857877.25	9.83E-05	1.55E-08	6.09E-09	1.20E-04	1.90E-08	7.45E-09	1.06E-04	1.66E-08	6.54E-09
4400	481363.09, 3857877.25	1.12E-04	1.76E-08	6.92E-09	1.37E-04	2.16E-08	8.47E-09	1.20E-04	1.89E-08	7.43E-09
4401	481863.09, 3857877.25	1.30E-04	2.05E-08	8.06E-09	1.59E-04	2.51E-08	9.87E-09	1.40E-04	2.20E-08	8.66E-09
4402	482363.09, 3857877.25	1.51E-04	2.37E-08	9.33E-09	1.85E-04	2.91E-08	1.14E-08	1.62E-04	2.55E-08	1.00E-08
4403	482863.09, 3857877.25	1.61E-04	2.54E-08	9.98E-09	1.98E-04	3.11E-08	1.22E-08	1.73E-04	2.73E-08	1.07E-08
4404	483363.09, 3857877.25	1.82E-04	2.87E-08	1.13E-08	2.24E-04	3.52E-08	1.38E-08	1.96E-04	3.09E-08	1.21E-08
4405	483863.09, 3857877.25	2.10E-04	3.31E-08	1.30E-08	2.57E-04	4.05E-08	1.59E-08	2.26E-04	3.56E-08	1.40E-08
4406	484363.09, 3857877.25	2.41E-04	3.80E-08	1.49E-08	2.96E-04	4.66E-08	1.83E-08	2.59E-04	4.09E-08	1.61E-08
4407	484863.09, 3857877.25	2.82E-04	4.44E-08	1.74E-08	3.45E-04	5.43E-08	2.13E-08	3.03E-04	4.77E-08	1.87E-08
4408	485363.09, 3857877.25	3.34E-04	5.26E-08	2.07E-08	4.09E-04	6.45E-08	2.53E-08	3.59E-04	5.65E-08	2.22E-08
4409	485863.09, 3857877.25	4.09E-04	6.44E-08	2.53E-08	5.01E-04	7.89E-08	3.10E-08	4.39E-04	6.91E-08	2.71E-08
4410	486363.09, 3857877.25	5.26E-04	8.28E-08	3.25E-08	6.44E-04	1.01E-07	3.98E-08	5.64E-04	8.88E-08	3.49E-08
4411	486863.09, 3857877.25	7.58E-04	1.19E-07	4.69E-08	9.28E-04	1.46E-07	5.74E-08	8.11E-04	1.28E-07	5.02E-08
4412	487363.09, 3857877.25	1.72E-03	2.71E-07	1.06E-07	2.11E-03	3.32E-07	1.30E-07	1.85E-03	2.91E-07	1.14E-07
4413	487863.09, 3857877.25	2.83E-03	4.45E-07	1.75E-07	3.46E-03	5.45E-07	2.14E-07	3.04E-03	4.79E-07	1.88E-07
4414	488363.09, 3857877.25	1.43E-03	2.25E-07	8.85E-08	1.75E-03	2.76E-07	1.08E-07	1.53E-03	2.42E-07	9.49E-08
4415	488863.09, 3857877.25	1.02E-03	1.60E-07	6.30E-08	1.25E-03	1.96E-07	7.71E-08	1.09E-03	1.72E-07	6.75E-08
4416	489363.09, 3857877.25	8.13E-04	1.28E-07	5.03E-08	9.96E-04	1.57E-07	6.16E-08	8.72E-04	1.37E-07	5.39E-08

4417	489863.09, 3857877.25	6.77E-04	1.07E-07	4.19E-08	8.29E-04	1.31E-07	5.13E-08	7.25E-04	1.14E-07	4.49E-08
4418	490363.09, 3857877.25	5.76E-04	9.07E-08	3.56E-08	7.05E-04	1.11E-07	4.36E-08	6.17E-04	9.72E-08	3.82E-08
4419	490863.09, 3857877.25	4.97E-04	7.83E-08	3.07E-08	6.08E-04	9.59E-08	3.77E-08	5.33E-04	8.39E-08	3.30E-08
4420	491363.09, 3857877.25	4.29E-04	6.77E-08	2.66E-08	5.26E-04	8.29E-08	3.26E-08	4.61E-04	7.26E-08	2.85E-08
4421	491863.09, 3857877.25	3.65E-04	5.76E-08	2.26E-08	4.48E-04	7.05E-08	2.77E-08	3.92E-04	6.18E-08	2.43E-08
4422	492363.09, 3857877.25	2.65E-04	4.17E-08	1.64E-08	3.24E-04	5.11E-08	2.01E-08	2.84E-04	4.47E-08	1.76E-08
4423	492863.09, 3857877.25	1.77E-04	2.79E-08	1.10E-08	2.17E-04	3.42E-08	1.34E-08	1.90E-04	2.99E-08	1.18E-08
4424	493363.09, 3857877.25	1.42E-04	2.24E-08	8.80E-09	1.74E-04	2.74E-08	1.08E-08	1.53E-04	2.40E-08	9.44E-09
4425	493863.09, 3857877.25	1.24E-04	1.95E-08	7.66E-09	1.52E-04	2.39E-08	9.38E-09	1.33E-04	2.09E-08	8.22E-09
4426	494363.09, 3857877.25	1.11E-04	1.74E-08	6.85E-09	1.36E-04	2.14E-08	8.39E-09	1.19E-04	1.87E-08	7.35E-09
4427	494863.09, 3857877.25	9.29E-05	1.46E-08	5.75E-09	1.14E-04	1.79E-08	7.04E-09	9.98E-05	1.57E-08	6.17E-09
4428	495363.09, 3857877.25	8.61E-05	1.36E-08	5.33E-09	1.05E-04	1.66E-08	6.53E-09	9.24E-05	1.46E-08	5.72E-09
4429	495863.09, 3857877.25	8.04E-05	1.27E-08	4.97E-09	9.84E-05	1.55E-08	6.09E-09	8.63E-05	1.36E-08	5.34E-09
4430	496363.09, 3857877.25	7.99E-05	1.26E-08	4.94E-09	9.78E-05	1.54E-08	6.05E-09	8.57E-05	1.35E-08	5.31E-09
4431	496863.09, 3857877.25	7.96E-05	1.25E-08	4.92E-09	9.74E-05	1.53E-08	6.03E-09	8.54E-05	1.35E-08	5.28E-09
4432	497363.09, 3857877.25	7.78E-05	1.23E-08	4.82E-09	9.53E-05	1.50E-08	5.90E-09	8.36E-05	1.32E-08	5.17E-09
4433	497863.09, 3857877.25	8.83E-05	1.39E-08	5.46E-09	1.08E-04	1.70E-08	6.69E-09	9.47E-05	1.49E-08	5.86E-09
4434	498363.09, 3857877.25	9.82E-05	1.55E-08	6.08E-09	1.20E-04	1.89E-08	7.44E-09	1.05E-04	1.66E-08	6.52E-09
4435	471363.09, 3858377.25	1.90E-05	2.99E-09	1.18E-09	2.33E-05	3.66E-09	1.44E-09	2.04E-05	3.21E-09	1.26E-09
4436	471863.09, 3858377.25	1.99E-05	3.14E-09	1.23E-09	2.44E-05	3.84E-09	1.51E-09	2.14E-05	3.37E-09	1.32E-09
4437	472363.09, 3858377.25	2.10E-05	3.30E-09	1.30E-09	2.57E-05	4.05E-09	1.59E-09	2.25E-05	3.55E-09	1.39E-09
4438	472863.09, 3858377.25	2.26E-05	3.56E-09	1.40E-09	2.77E-05	4.36E-09	1.71E-09	2.42E-05	3.82E-09	1.50E-09
4439	473363.09, 3858377.25	2.51E-05	3.95E-09	1.55E-09	3.07E-05	4.84E-09	1.90E-09	2.69E-05	4.24E-09	1.67E-09
4440	473863.09, 3858377.25	2.62E-05	4.13E-09	1.62E-09	3.21E-05	5.06E-09	1.99E-09	2.81E-05	4.43E-09	1.74E-09
4441	474363.09, 3858377.25	2.49E-05	3.92E-09	1.54E-09	3.05E-05	4.80E-09	1.89E-09	2.67E-05	4.21E-09	1.65E-09
4442	474863.09, 3858377.25	2.10E-05	3.30E-09	1.30E-09	2.57E-05	4.04E-09	1.59E-09	2.25E-05	3.54E-09	1.39E-09
4443	475363.09, 3858377.25	1.39E-05	2.19E-09	8.60E-10	1.70E-05	2.68E-09	1.05E-09	1.49E-05	2.35E-09	9.23E-10
4444	475863.09, 3858377.25	9.62E-06	1.52E-09	5.95E-10	1.18E-05	1.86E-09	7.29E-10	1.03E-05	1.63E-09	6.39E-10
4445	476363.09, 3858377.25	1.06E-05	1.68E-09	6.58E-10	1.30E-05	2.05E-09	8.06E-10	1.14E-05	1.80E-09	7.07E-10
4446	476863.09, 3858377.25	1.20E-05	1.89E-09	7.44E-10	1.47E-05	2.32E-09	9.11E-10	1.29E-05	2.03E-09	7.99E-10
4447	477363.09, 3858377.25	1.14E-05	1.79E-09	7.05E-10	1.40E-05	2.20E-09	8.63E-10	1.22E-05	1.93E-09	7.57E-10
4448	477863.09, 3858377.25	1.61E-05	2.54E-09	9.99E-10	1.98E-05	3.12E-09	1.22E-09	1.73E-05	2.73E-09	1.07E-09
4449	478363.09, 3858377.25	1.76E-05	2.78E-09	1.09E-09	2.16E-05	3.40E-09	1.34E-09	1.89E-05	2.98E-09	1.17E-09
4450	478863.09, 3858377.25	1.14E-05	1.80E-09	7.06E-10	1.40E-05	2.20E-09	8.65E-10	1.23E-05	1.93E-09	7.59E-10
4451	479363.09, 3858377.25	4.17E-05	6.57E-09	2.58E-09	5.11E-05	8.05E-09	3.16E-09	4.48E-05	7.06E-09	2.77E-09
4452	479863.09, 3858377.25	7.09E-05	1.12E-08	4.39E-09	8.69E-05	1.37E-08	5.38E-09	7.62E-05	1.20E-08	4.72E-09
4453	480363.09, 3858377.25	8.23E-05	1.30E-08	5.09E-09	1.01E-04	1.59E-08	6.24E-09	8.84E-05	1.39E-08	5.47E-09
4454	480863.09, 3858377.25	9.15E-05	1.44E-08	5.66E-09	1.12E-04	1.77E-08	6.94E-09	9.83E-05	1.55E-08	6.09E-09
4455	481363.09, 3858377.25	1.03E-04	1.62E-08	6.38E-09	1.26E-04	1.99E-08	7.82E-09	1.11E-04	1.75E-08	6.86E-09
4456	481863.09, 3858377.25	1.16E-04	1.83E-08	7.20E-09	1.42E-04	2.24E-08	8.81E-09	1.25E-04	1.97E-08	7.73E-09
4457	482363.09, 3858377.25	1.32E-04	2.08E-08	8.19E-09	1.62E-04	2.55E-08	1.00E-08	1.42E-04	2.24E-08	8.79E-09
4458	482863.09, 3858377.25	1.48E-04	2.33E-08	9.17E-09	1.82E-04	2.86E-08	1.12E-08	1.59E-04	2.51E-08	9.86E-09
4459	483363.09, 3858377.25	1.58E-04	2.48E-08	9.75E-09	1.93E-04	3.04E-08	1.19E-08	1.69E-04	2.67E-08	1.05E-08
4460	483863.09, 3858377.25	1.73E-04	2.72E-08	1.07E-08	2.12E-04	3.33E-08	1.31E-08	1.86E-04	2.92E-08	1.15E-08
4461	484363.09, 3858377.25	1.95E-04	3.07E-08	1.21E-08	2.39E-04	3.76E-08	1.48E-08	2.09E-04	3.30E-08	1.30E-08
4462	484863.09, 3858377.25	2.20E-04	3.46E-08	1.36E-08	2.69E-04	4.24E-08	1.66E-08	2.36E-04	3.72E-08	1.46E-08
4463	485363.09, 3858377.25	2.49E-04	3.92E-08	1.54E-08	3.04E-04	4.80E-08	1.88E-08	2.67E-04	4.20E-08	1.65E-08
4464	485863.09, 3858377.25	2.86E-04	4.51E-08	1.77E-08	3.50E-04	5.52E-08	2.17E-08	3.07E-04	4.84E-08	1.90E-08
4465	486363.09, 3858377.25	3.35E-04	5.28E-08	2.08E-08	4.11E-04	6.47E-08	2.54E-08	3.60E-04	5.67E-08	2.23E-08
4466	486863.09, 3858377.25	3.98E-04	6.27E-08	2.46E-08	4.88E-04	7.68E-08	3.02E-08	4.27E-04	6.73E-08	2.64E-08
4467	487363.09, 3858377.25	5.07E-04	7.99E-08	3.14E-08	6.21E-04	9.79E-08	3.84E-08	5.45E-04	8.59E-08	3.37E-08
4468	487863.09, 3858377.25	8.55E-04	1.35E-07	5.29E-08	1.05E-03	1.65E-07	6.48E-08	9.21E-04	1.45E-07	5.70E-08
4469	488363.09, 3858377.25	2.16E-03	3.40E-07	1.34E-07	2.65E-03	4.17E-07	1.64E-07	2.33E-03	3.67E-07	1.44E-07
4470	488863.09, 3858377.25	1.00E-03	1.58E-07	6.21E-08	1.23E-03	1.94E-07	7.61E-08	1.08E-03	1.70E-07	6.69E-08
4471	489363.09, 3858377.25	7.31E-04	1.15E-07	4.53E-08	8.96E-04	1.41E-07	5.54E-08	7.86E-04	1.24E-07	4.87E-08
4472	489863.09, 3858377.25	5.92E-04	9.33E-08	3.67E-08	7.26E-04	1.14E-07	4.49E-08	6.37E-04	1.00E-07	3.94E-08
4473	490363.09, 3858377.25	4.97E-04	7.83E-08	3.07E-08	6.08E-04	9.58E-08	3.77E-08	5.34E-04	8.40E-08	3.30E-08
4474	490863.09, 3858377.25	4.26E-04	6.72E-08	2.64E-08	5.22E-04	8.23E-08	3.23E-08	4.58E-04	7.21E-08	2.83E-08
4475	491363.09, 3858377.25	3.66E-04	5.76E-08	2.26E-08	4.48E-04	7.06E-08	2.77E-08	3.92E-04	6.18E-08	2.43E-08
4476	491863.09, 3858377.25	2.89E-04	4.55E-08	1.79E-08	3.54E-04	5.58E-08	2.19E-08	3.10E-04	4.89E-08	1.92E-08
4477	492363.09, 3858377.25	1.89E-04	2.98E-08	1.17E-08	2.32E-04	3.65E-08	1.43E-08	2.03E-04	3.20E-08	1.26E-08
4478	492863.09, 3858377.25	1.95E-04	3.07E-08	1.21E-08	2.39E-04	3.76E-08	1.48E-08	2.09E-04	3.30E-08	1.29E-08
4479	493363.09, 3858377.25	1.62E-04	2.55E-08	1.00E-08	1.98E-04	3.12E-08	1.23E-08	1.74E-04	2.73E-08	1.07E-08
4480	493863.09, 3858377.25	1.44E-04	2.27E-08	8.90E-09	1.76E-04	2.78E-08	1.09E-08	1.54E-04	2.43E-08	9.56E-09
4481	494363.09, 3858377.25	1.25E-04	1.97E-08	7.75E-09	1.53E-04	2.42E-08	9.50E-09	1.34E-04	2.12E-08	8.32E-09

4482	494863.09, 3858377.25	1.11E-04	1.74E-08	6.84E-09	1.35E-04	2.13E-08	8.38E-09	1.19E-04	1.87E-08	7.34E-09
4483	495363.09, 3858377.25	9.53E-05	1.50E-08	5.90E-09	1.17E-04	1.84E-08	7.22E-09	1.02E-04	1.61E-08	6.33E-09
4484	495863.09, 3858377.25	9.14E-05	1.44E-08	5.66E-09	1.12E-04	1.76E-08	6.93E-09	9.82E-05	1.55E-08	6.08E-09
4485	496363.09, 3858377.25	8.71E-05	1.37E-08	5.39E-09	1.07E-04	1.68E-08	6.60E-09	9.35E-05	1.47E-08	5.78E-09
4486	496863.09, 3858377.25	8.98E-05	1.41E-08	5.56E-09	1.10E-04	1.73E-08	6.81E-09	9.64E-05	1.52E-08	5.96E-09
4487	497363.09, 3858377.25	8.88E-05	1.40E-08	5.50E-09	1.09E-04	1.71E-08	6.73E-09	9.54E-05	1.50E-08	5.90E-09
4488	497863.09, 3858377.25	9.65E-05	1.52E-08	5.98E-09	1.18E-04	1.86E-08	7.32E-09	1.04E-04	1.63E-08	6.41E-09
4489	498363.09, 3858377.25	1.06E-04	1.67E-08	6.55E-09	1.30E-04	2.04E-08	8.03E-09	1.14E-04	1.79E-08	7.03E-09
4490	471363.09, 3858877.25	1.93E-05	3.03E-09	1.19E-09	2.36E-05	3.71E-09	1.46E-09	2.07E-05	3.26E-09	1.28E-09
4491	471863.09, 3858877.25	2.02E-05	3.18E-09	1.25E-09	2.47E-05	3.90E-09	1.53E-09	2.17E-05	3.42E-09	1.34E-09
4492	472363.09, 3858877.25	2.18E-05	3.44E-09	1.35E-09	2.67E-05	4.21E-09	1.65E-09	2.34E-05	3.69E-09	1.45E-09
4493	472863.09, 3858877.25	2.34E-05	3.69E-09	1.45E-09	2.87E-05	4.52E-09	1.77E-09	2.51E-05	3.96E-09	1.55E-09
4494	473363.09, 3858877.25	2.54E-05	4.01E-09	1.57E-09	3.11E-05	4.91E-09	1.93E-09	2.73E-05	4.30E-09	1.69E-09
4495	473863.09, 3858877.25	2.66E-05	4.18E-09	1.64E-09	3.25E-05	5.13E-09	2.01E-09	2.85E-05	4.49E-09	1.76E-09
4496	474363.09, 3858877.25	2.59E-05	4.08E-09	1.60E-09	3.17E-05	5.00E-09	1.96E-09	2.78E-05	4.38E-09	1.72E-09
4497	474863.09, 3858877.25	1.33E-05	2.10E-09	8.24E-10	1.63E-05	2.57E-09	1.01E-09	1.43E-05	2.25E-09	8.85E-10
4498	475363.09, 3858877.25	9.51E-06	1.50E-09	5.89E-10	1.17E-05	1.84E-09	7.21E-10	1.02E-05	1.61E-09	6.32E-10
4499	475863.09, 3858877.25	1.12E-05	1.77E-09	6.95E-10	1.38E-05	2.17E-09	8.52E-10	1.21E-05	1.90E-09	7.47E-10
4500	476363.09, 3858877.25	6.75E-06	1.06E-09	4.18E-10	8.27E-06	1.30E-09	5.12E-10	7.25E-06	1.14E-09	4.49E-10
4501	476863.09, 3858877.25	8.86E-06	1.40E-09	5.48E-10	1.09E-05	1.71E-09	6.72E-10	9.52E-06	1.50E-09	5.89E-10
4502	477363.09, 3858877.25	9.19E-06	1.45E-09	5.69E-10	1.13E-05	1.77E-09	6.97E-10	9.87E-06	1.55E-09	6.11E-10
4503	477863.09, 3858877.25	1.19E-05	1.88E-09	7.37E-10	1.46E-05	2.30E-09	9.02E-10	1.28E-05	2.01E-09	7.91E-10
4504	478363.09, 3858877.25	2.72E-05	4.28E-09	1.68E-09	3.33E-05	5.24E-09	2.06E-09	2.92E-05	4.60E-09	1.81E-09
4505	478863.09, 3858877.25	2.29E-05	3.61E-09	1.42E-09	2.81E-05	4.42E-09	1.74E-09	2.46E-05	3.88E-09	1.52E-09
4506	479363.09, 3858877.25	1.81E-05	2.86E-09	1.12E-09	2.22E-05	3.50E-09	1.38E-09	1.95E-05	3.07E-09	1.21E-09
4507	479863.09, 3858877.25	6.77E-05	1.07E-08	4.19E-09	8.29E-05	1.31E-08	5.13E-09	7.28E-05	1.15E-08	4.50E-09
4508	480363.09, 3858877.25	7.61E-05	1.20E-08	4.71E-09	9.32E-05	1.47E-08	5.77E-09	8.17E-05	1.29E-08	5.06E-09
4509	480863.09, 3858877.25	8.44E-05	1.33E-08	5.23E-09	1.03E-04	1.63E-08	6.40E-09	9.07E-05	1.43E-08	5.61E-09
4510	481363.09, 3858877.25	9.35E-05	1.47E-08	5.79E-09	1.15E-04	1.80E-08	7.09E-09	1.00E-04	1.58E-08	6.22E-09
4511	481863.09, 3858877.25	1.04E-04	1.64E-08	6.45E-09	1.28E-04	2.01E-08	7.90E-09	1.12E-04	1.76E-08	6.93E-09
4512	482363.09, 3858877.25	1.16E-04	1.82E-08	7.15E-09	1.42E-04	2.23E-08	8.76E-09	1.24E-04	1.96E-08	7.68E-09
4513	482863.09, 3858877.25	1.28E-04	2.02E-08	7.94E-09	1.57E-04	2.47E-08	9.72E-09	1.38E-04	2.17E-08	8.53E-09
4514	483363.09, 3858877.25	1.34E-04	2.11E-08	8.27E-09	1.64E-04	2.58E-08	1.01E-08	1.43E-04	2.26E-08	8.88E-09
4515	483863.09, 3858877.25	1.44E-04	2.27E-08	8.91E-09	1.76E-04	2.78E-08	1.09E-08	1.55E-04	2.44E-08	9.57E-09
4516	484363.09, 3858877.25	1.58E-04	2.50E-08	9.81E-09	1.94E-04	3.06E-08	1.20E-08	1.70E-04	2.68E-08	1.05E-08
4517	484863.09, 3858877.25	1.74E-04	2.74E-08	1.07E-08	2.13E-04	3.35E-08	1.32E-08	1.87E-04	2.94E-08	1.15E-08
4518	485363.09, 3858877.25	1.91E-04	3.00E-08	1.18E-08	2.34E-04	3.68E-08	1.45E-08	2.05E-04	3.23E-08	1.27E-08
4519	485863.09, 3858877.25	2.11E-04	3.32E-08	1.31E-08	2.58E-04	4.07E-08	1.60E-08	2.26E-04	3.57E-08	1.40E-08
4520	486363.09, 3858877.25	2.32E-04	3.65E-08	1.43E-08	2.84E-04	4.47E-08	1.76E-08	2.49E-04	3.92E-08	1.54E-08
4521	486863.09, 3858877.25	2.58E-04	4.06E-08	1.59E-08	3.16E-04	4.97E-08	1.95E-08	2.77E-04	4.36E-08	1.71E-08
4522	487363.09, 3858877.25	2.98E-04	4.69E-08	1.84E-08	3.65E-04	5.75E-08	2.26E-08	3.20E-04	5.05E-08	1.98E-08
4523	487863.09, 3858877.25	3.55E-04	5.60E-08	2.20E-08	4.35E-04	6.86E-08	2.69E-08	3.82E-04	6.02E-08	2.37E-08
4524	488363.09, 3858877.25	5.14E-04	8.10E-08	3.18E-08	6.30E-04	9.92E-08	3.90E-08	5.53E-04	8.72E-08	3.42E-08
4525	488863.09, 3858877.25	1.86E-03	2.93E-07	1.15E-07	2.28E-03	3.59E-07	1.41E-07	2.01E-03	3.16E-07	1.24E-07
4526	489363.09, 3858877.25	6.39E-04	1.01E-07	3.96E-08	7.83E-04	1.23E-07	4.85E-08	6.89E-04	1.08E-07	4.26E-08
4527	489863.09, 3858877.25	4.47E-04	7.05E-08	2.77E-08	5.48E-04	8.63E-08	3.39E-08	4.81E-04	7.58E-08	2.98E-08
4528	490363.09, 3858877.25	3.70E-04	5.84E-08	2.29E-08	4.54E-04	7.15E-08	2.81E-08	3.98E-04	6.27E-08	2.46E-08
4529	490863.09, 3858877.25	3.16E-04	4.97E-08	1.95E-08	3.87E-04	6.09E-08	2.39E-08	3.39E-04	5.34E-08	2.10E-08
4530	491363.09, 3858877.25	2.60E-04	4.09E-08	1.61E-08	3.18E-04	5.01E-08	1.97E-08	2.79E-04	4.39E-08	1.73E-08
4531	491863.09, 3858877.25	1.94E-04	3.06E-08	1.20E-08	2.38E-04	3.74E-08	1.47E-08	2.08E-04	3.28E-08	1.29E-08
4532	492363.09, 3858877.25	2.05E-04	3.23E-08	1.27E-08	2.51E-04	3.96E-08	1.56E-08	2.20E-04	3.47E-08	1.36E-08
4533	492863.09, 3858877.25	2.09E-04	3.29E-08	1.29E-08	2.56E-04	4.03E-08	1.58E-08	2.24E-04	3.53E-08	1.39E-08
4534	493363.09, 3858877.25	1.88E-04	2.96E-08	1.16E-08	2.30E-04	3.62E-08	1.42E-08	2.01E-04	3.17E-08	1.25E-08
4535	493863.09, 3858877.25	1.56E-04	2.46E-08	9.65E-09	1.91E-04	3.01E-08	1.18E-08	1.67E-04	2.64E-08	1.04E-08
4536	494363.09, 3858877.25	1.42E-04	2.23E-08	8.77E-09	1.74E-04	2.73E-08	1.07E-08	1.52E-04	2.40E-08	9.41E-09
4537	494863.09, 3858877.25	1.26E-04	1.98E-08	7.77E-09	1.54E-04	2.42E-08	9.52E-09	1.35E-04	2.12E-08	8.34E-09
4538	495363.09, 3858877.25	1.11E-04	1.76E-08	6.89E-09	1.36E-04	2.15E-08	8.45E-09	1.20E-04	1.88E-08	7.40E-09
4539	495863.09, 3858877.25	1.04E-04	1.64E-08	6.44E-09	1.27E-04	2.01E-08	7.88E-09	1.12E-04	1.76E-08	6.91E-09
4540	496363.09, 3858877.25	1.01E-04	1.59E-08	6.25E-09	1.24E-04	1.95E-08	7.65E-09	1.08E-04	1.71E-08	6.71E-09
4541	496863.09, 3858877.25	9.81E-05	1.55E-08	6.07E-09	1.20E-04	1.89E-08	7.44E-09	1.05E-04	1.66E-08	6.52E-09
4542	497363.09, 3858877.25	9.50E-05	1.50E-08	5.88E-09	1.16E-04	1.83E-08	7.20E-09	1.02E-04	1.61E-08	6.31E-09
4543	497863.09, 3858877.25	1.03E-04	1.62E-08	6.36E-09	1.26E-04	1.98E-08	7.79E-09	1.10E-04	1.74E-08	6.82E-09
4544	498363.09, 3858877.25	1.08E-04	1.69E-08	6.66E-09	1.32E-04	2.08E-08	8.15E-09	1.15E-04	1.82E-08	7.14E-09
4545	471363.09, 3859377.25	1.95E-05	3.08E-09	1.21E-09	2.39E-05	3.77E-09	1.48E-09	2.10E-05	3.30E-09	1.30E-09
4546	471863.09, 3859377.25	2.07E-05	3.26E-09	1.28E-09	2.53E-05	3.99E-09	1.57E-09	2.22E-05	3.50E-09	1.37E-09

4547	472363.09, 3859377.25	2.22E-05	3.49E-09	1.37E-09	2.72E-05	4.28E-09	1.68E-09	2.38E-05	3.75E-09	1.47E-09
4548	472863.09, 3859377.25	2.36E-05	3.72E-09	1.46E-09	2.89E-05	4.56E-09	1.79E-09	2.54E-05	3.99E-09	1.57E-09
4549	473363.09, 3859377.25	2.53E-05	3.98E-09	1.56E-09	3.09E-05	4.87E-09	1.92E-09	2.71E-05	4.27E-09	1.68E-09
4550	473863.09, 3859377.25	2.67E-05	4.20E-09	1.65E-09	3.27E-05	5.15E-09	2.02E-09	2.87E-05	4.51E-09	1.77E-09
4551	474363.09, 3859377.25	2.59E-05	4.09E-09	1.61E-09	3.18E-05	5.01E-09	1.97E-09	2.79E-05	4.39E-09	1.72E-09
4552	474863.09, 3859377.25	2.09E-05	3.29E-09	1.29E-09	2.56E-05	4.04E-09	1.59E-09	2.25E-05	3.54E-09	1.39E-09
4553	475363.09, 3859377.25	1.39E-05	2.19E-09	8.59E-10	1.70E-05	2.68E-09	1.05E-09	1.49E-05	2.35E-09	9.22E-10
4554	475863.09, 3859377.25	8.57E-06	1.35E-09	5.30E-10	1.05E-05	1.65E-09	6.49E-10	9.20E-06	1.45E-09	5.69E-10
4555	476363.09, 3859377.25	7.57E-06	1.19E-09	4.69E-10	9.27E-06	1.46E-09	5.74E-10	8.13E-06	1.28E-09	5.03E-10
4556	476863.09, 3859377.25	6.05E-06	9.54E-10	3.75E-10	7.42E-06	1.17E-09	4.59E-10	6.50E-06	1.02E-09	4.03E-10
4557	477363.09, 3859377.25	6.72E-06	1.06E-09	4.16E-10	8.23E-06	1.30E-09	5.09E-10	7.22E-06	1.14E-09	4.47E-10
4558	477863.09, 3859377.25	1.37E-05	2.15E-09	8.46E-10	1.67E-05	2.64E-09	1.04E-09	1.47E-05	2.31E-09	9.09E-10
4559	478363.09, 3859377.25	2.36E-05	3.72E-09	1.46E-09	2.89E-05	4.56E-09	1.79E-09	2.54E-05	4.00E-09	1.57E-09
4560	478863.09, 3859377.25	3.85E-05	6.06E-09	2.38E-09	4.71E-05	7.42E-09	2.92E-09	4.13E-05	6.51E-09	2.56E-09
4561	479363.09, 3859377.25	5.13E-05	8.08E-09	3.17E-09	6.28E-05	9.89E-09	3.89E-09	5.51E-05	8.68E-09	3.41E-09
4562	479863.09, 3859377.25	6.12E-05	9.64E-09	3.79E-09	7.50E-05	1.18E-08	4.64E-09	6.58E-05	1.04E-08	4.07E-09
4563	480363.09, 3859377.25	6.99E-05	1.10E-08	4.33E-09	8.56E-05	1.35E-08	5.30E-09	7.51E-05	1.18E-08	4.65E-09
4564	480863.09, 3859377.25	7.70E-05	1.21E-08	4.76E-09	9.43E-05	1.48E-08	5.83E-09	8.26E-05	1.30E-08	5.11E-09
4565	481363.09, 3859377.25	8.46E-05	1.33E-08	5.24E-09	1.04E-04	1.63E-08	6.42E-09	9.09E-05	1.43E-08	5.63E-09
4566	481863.09, 3859377.25	9.30E-05	1.47E-08	5.76E-09	1.14E-04	1.79E-08	7.05E-09	9.99E-05	1.57E-08	6.18E-09
4567	482363.09, 3859377.25	1.01E-04	1.60E-08	6.27E-09	1.24E-04	1.96E-08	7.69E-09	1.09E-04	1.71E-08	6.74E-09
4568	482863.09, 3859377.25	1.10E-04	1.74E-08	6.84E-09	1.35E-04	2.13E-08	8.38E-09	1.19E-04	1.87E-08	7.34E-09
4569	483363.09, 3859377.25	1.18E-04	1.86E-08	7.31E-09	1.45E-04	2.28E-08	8.95E-09	1.27E-04	2.00E-08	7.85E-09
4570	483863.09, 3859377.25	1.20E-04	1.90E-08	7.45E-09	1.48E-04	2.32E-08	9.13E-09	1.29E-04	2.04E-08	8.01E-09
4571	484363.09, 3859377.25	1.30E-04	2.05E-08	8.04E-09	1.59E-04	2.51E-08	9.85E-09	1.40E-04	2.20E-08	8.64E-09
4572	484863.09, 3859377.25	1.40E-04	2.20E-08	8.66E-09	1.71E-04	2.70E-08	1.06E-08	1.50E-04	2.37E-08	9.30E-09
4573	485363.09, 3859377.25	1.50E-04	2.36E-08	9.28E-09	1.84E-04	2.89E-08	1.14E-08	1.61E-04	2.54E-08	9.97E-09
4574	485863.09, 3859377.25	1.60E-04	2.53E-08	9.93E-09	1.96E-04	3.09E-08	1.22E-08	1.72E-04	2.71E-08	1.07E-08
4575	486363.09, 3859377.25	1.71E-04	2.70E-08	1.06E-08	2.10E-04	3.31E-08	1.30E-08	1.84E-04	2.90E-08	1.14E-08
4576	486863.09, 3859377.25	1.81E-04	2.85E-08	1.12E-08	2.22E-04	3.49E-08	1.37E-08	1.94E-04	3.06E-08	1.20E-08
4577	487363.09, 3859377.25	1.92E-04	3.03E-08	1.19E-08	2.35E-04	3.71E-08	1.46E-08	2.06E-04	3.25E-08	1.28E-08
4578	487863.09, 3859377.25	2.11E-04	3.32E-08	1.30E-08	2.58E-04	4.06E-08	1.60E-08	2.26E-04	3.57E-08	1.40E-08
4579	488363.09, 3859377.25	2.29E-04	3.61E-08	1.42E-08	2.81E-04	4.42E-08	1.74E-08	2.46E-04	3.88E-08	1.52E-08
4580	488863.09, 3859377.25	2.41E-04	3.79E-08	1.49E-08	2.95E-04	4.65E-08	1.82E-08	2.59E-04	4.08E-08	1.60E-08
4581	489363.09, 3859377.25	2.44E-04	3.84E-08	1.51E-08	2.99E-04	4.71E-08	1.85E-08	2.62E-04	4.13E-08	1.62E-08
4582	489863.09, 3859377.25	2.36E-04	3.72E-08	1.46E-08	2.89E-04	4.55E-08	1.79E-08	2.54E-04	4.00E-08	1.57E-08
4583	490363.09, 3859377.25	2.29E-04	3.60E-08	1.41E-08	2.80E-04	4.41E-08	1.73E-08	2.46E-04	3.87E-08	1.52E-08
4584	490863.09, 3859377.25	2.16E-04	3.41E-08	1.34E-08	2.65E-04	4.17E-08	1.64E-08	2.32E-04	3.66E-08	1.44E-08
4585	491363.09, 3859377.25	1.86E-04	2.93E-08	1.15E-08	2.28E-04	3.58E-08	1.41E-08	1.99E-04	3.14E-08	1.23E-08
4586	491863.09, 3859377.25	1.96E-04	3.09E-08	1.21E-08	2.40E-04	3.78E-08	1.49E-08	2.11E-04	3.32E-08	1.30E-08
4587	492363.09, 3859377.25	1.87E-04	2.95E-08	1.16E-08	2.29E-04	3.61E-08	1.42E-08	2.01E-04	3.16E-08	1.24E-08
4588	492863.09, 3859377.25	1.78E-04	2.80E-08	1.10E-08	2.18E-04	3.43E-08	1.35E-08	1.91E-04	3.01E-08	1.18E-08
4589	493363.09, 3859377.25	1.64E-04	2.59E-08	1.02E-08	2.01E-04	3.17E-08	1.25E-08	1.76E-04	2.78E-08	1.09E-08
4590	493863.09, 3859377.25	1.55E-04	2.45E-08	9.62E-09	1.90E-04	3.00E-08	1.18E-08	1.67E-04	2.63E-08	1.03E-08
4591	494363.09, 3859377.25	1.45E-04	2.28E-08	8.96E-09	1.77E-04	2.79E-08	1.10E-08	1.55E-04	2.45E-08	9.62E-09
4592	494863.09, 3859377.25	1.29E-04	2.03E-08	7.96E-09	1.58E-04	2.48E-08	9.75E-09	1.38E-04	2.18E-08	8.54E-09
4593	495363.09, 3859377.25	1.22E-04	1.92E-08	7.56E-09	1.50E-04	2.36E-08	9.26E-09	1.31E-04	2.06E-08	8.11E-09
4594	495863.09, 3859377.25	1.13E-04	1.78E-08	7.01E-09	1.39E-04	2.19E-08	8.59E-09	1.22E-04	1.92E-08	7.52E-09
4595	496363.09, 3859377.25	1.10E-04	1.74E-08	6.84E-09	1.35E-04	2.13E-08	8.37E-09	1.19E-04	1.87E-08	7.34E-09
4596	496863.09, 3859377.25	1.00E-04	1.58E-08	6.21E-09	1.23E-04	1.93E-08	7.60E-09	1.08E-04	1.70E-08	6.66E-09
4597	497363.09, 3859377.25	1.01E-04	1.60E-08	6.28E-09	1.24E-04	1.96E-08	7.69E-09	1.09E-04	1.71E-08	6.74E-09
4598	497863.09, 3859377.25	1.04E-04	1.65E-08	6.46E-09	1.28E-04	2.02E-08	7.92E-09	1.12E-04	1.77E-08	6.94E-09
4599	498363.09, 3859377.25	1.03E-04	1.63E-08	6.41E-09	1.27E-04	2.00E-08	7.84E-09	1.11E-04	1.75E-08	6.87E-09
4600	471363.09, 3859877.25	1.98E-05	3.12E-09	1.23E-09	2.43E-05	3.82E-09	1.50E-09	2.13E-05	3.35E-09	1.32E-09
4601	471863.09, 3859877.25	2.09E-05	3.30E-09	1.30E-09	2.57E-05	4.04E-09	1.59E-09	2.25E-05	3.54E-09	1.39E-09
4602	472363.09, 3859877.25	2.21E-05	3.48E-09	1.37E-09	2.70E-05	4.26E-09	1.67E-09	2.37E-05	3.73E-09	1.47E-09
4603	472863.09, 3859877.25	2.36E-05	3.71E-09	1.46E-09	2.89E-05	4.55E-09	1.79E-09	2.53E-05	3.99E-09	1.57E-09
4604	473363.09, 3859877.25	2.52E-05	3.97E-09	1.56E-09	3.09E-05	4.86E-09	1.91E-09	2.71E-05	4.26E-09	1.68E-09
4605	473863.09, 3859877.25	2.69E-05	4.23E-09	1.66E-09	3.29E-05	5.18E-09	2.04E-09	2.88E-05	4.54E-09	1.78E-09
4606	474363.09, 3859877.25	2.72E-05	4.29E-09	1.68E-09	3.33E-05	5.25E-09	2.06E-09	2.92E-05	4.60E-09	1.81E-09
4607	474863.09, 3859877.25	2.55E-05	4.02E-09	1.58E-09	3.13E-05	4.93E-09	1.93E-09	2.74E-05	4.32E-09	1.70E-09
4608	475363.09, 3859877.25	1.69E-05	2.67E-09	1.05E-09	2.08E-05	3.27E-09	1.28E-09	1.82E-05	2.87E-09	1.13E-09
4609	475863.09, 3859877.25	8.29E-06	1.31E-09	5.13E-10	1.01E-05	1.60E-09	6.28E-10	8.90E-06	1.40E-09	5.51E-10
4610	476363.09, 3859877.25	4.86E-06	7.66E-10	3.01E-10	5.96E-06	9.39E-10	3.69E-10	5.22E-06	8.23E-10	3.23E-10
4611	476863.09, 3859877.25	5.75E-06	9.06E-10	3.56E-10	7.04E-06	1.11E-09	4.36E-10	6.18E-06	9.73E-10	3.82E-10

4612	477363.09, 3859877.25	6.29E-06	9.90E-10	3.89E-10	7.70E-06	1.21E-09	4.76E-10	6.75E-06	1.06E-09	4.18E-10
4613	477863.09, 3859877.25	1.23E-05	1.93E-09	7.59E-10	1.50E-05	2.37E-09	9.30E-10	1.32E-05	2.08E-09	8.15E-10
4614	478363.09, 3859877.25	2.32E-05	3.66E-09	1.44E-09	2.85E-05	4.48E-09	1.76E-09	2.50E-05	3.93E-09	1.54E-09
4615	478863.09, 3859877.25	3.70E-05	5.84E-09	2.29E-09	4.54E-05	7.15E-09	2.81E-09	3.98E-05	6.27E-09	2.46E-09
4616	479363.09, 3859877.25	4.98E-05	7.85E-09	3.08E-09	6.10E-05	9.61E-09	3.78E-09	5.35E-05	8.43E-09	3.31E-09
4617	479863.09, 3859877.25	5.80E-05	9.14E-09	3.59E-09	7.10E-05	1.12E-08	4.40E-09	6.23E-05	9.81E-09	3.85E-09
4618	480363.09, 3859877.25	6.44E-05	1.02E-08	3.99E-09	7.89E-05	1.24E-08	4.89E-09	6.92E-05	1.09E-08	4.28E-09
4619	480863.09, 3859877.25	6.99E-05	1.10E-08	4.33E-09	8.57E-05	1.35E-08	5.30E-09	7.51E-05	1.18E-08	4.65E-09
4620	481363.09, 3859877.25	7.60E-05	1.20E-08	4.70E-09	9.30E-05	1.47E-08	5.76E-09	8.15E-05	1.28E-08	5.05E-09
4621	481863.09, 3859877.25	8.21E-05	1.29E-08	5.08E-09	1.01E-04	1.58E-08	6.22E-09	8.81E-05	1.39E-08	5.45E-09
4622	482363.09, 3859877.25	8.81E-05	1.39E-08	5.46E-09	1.08E-04	1.70E-08	6.68E-09	9.46E-05	1.49E-08	5.86E-09
4623	482863.09, 3859877.25	9.49E-05	1.49E-08	5.87E-09	1.16E-04	1.83E-08	7.19E-09	1.02E-04	1.61E-08	6.31E-09
4624	483363.09, 3859877.25	1.02E-04	1.60E-08	6.28E-09	1.24E-04	1.96E-08	7.70E-09	1.09E-04	1.72E-08	6.75E-09
4625	483863.09, 3859877.25	1.03E-04	1.62E-08	6.37E-09	1.26E-04	1.98E-08	7.80E-09	1.11E-04	1.74E-08	6.84E-09
4626	484363.09, 3859877.25	1.08E-04	1.70E-08	6.68E-09	1.32E-04	2.08E-08	8.18E-09	1.16E-04	1.83E-08	7.17E-09
4627	484863.09, 3859877.25	1.14E-04	1.80E-08	7.08E-09	1.40E-04	2.21E-08	8.67E-09	1.23E-04	1.94E-08	7.61E-09
4628	485363.09, 3859877.25	1.21E-04	1.90E-08	7.48E-09	1.48E-04	2.33E-08	9.17E-09	1.30E-04	2.05E-08	8.04E-09
4629	485863.09, 3859877.25	1.27E-04	2.00E-08	7.84E-09	1.55E-04	2.45E-08	9.61E-09	1.36E-04	2.14E-08	8.42E-09
4630	486363.09, 3859877.25	1.31E-04	2.07E-08	8.12E-09	1.61E-04	2.53E-08	9.95E-09	1.41E-04	2.22E-08	8.72E-09
4631	486863.09, 3859877.25	1.36E-04	2.14E-08	8.41E-09	1.66E-04	2.62E-08	1.03E-08	1.46E-04	2.30E-08	9.03E-09
4632	487363.09, 3859877.25	1.38E-04	2.17E-08	8.54E-09	1.69E-04	2.66E-08	1.05E-08	1.48E-04	2.34E-08	9.18E-09
4633	487863.09, 3859877.25	1.47E-04	2.31E-08	9.08E-09	1.80E-04	2.83E-08	1.11E-08	1.58E-04	2.48E-08	9.75E-09
4634	488363.09, 3859877.25	1.48E-04	2.33E-08	9.15E-09	1.81E-04	2.85E-08	1.12E-08	1.59E-04	2.50E-08	9.84E-09
4635	488863.09, 3859877.25	1.52E-04	2.40E-08	9.41E-09	1.86E-04	2.93E-08	1.15E-08	1.63E-04	2.57E-08	1.01E-08
4636	489363.09, 3859877.25	1.57E-04	2.47E-08	9.69E-09	1.92E-04	3.02E-08	1.19E-08	1.68E-04	2.65E-08	1.04E-08
4637	489863.09, 3859877.25	1.57E-04	2.48E-08	9.74E-09	1.93E-04	3.04E-08	1.19E-08	1.69E-04	2.66E-08	1.05E-08
4638	490363.09, 3859877.25	1.48E-04	2.33E-08	9.15E-09	1.81E-04	2.85E-08	1.12E-08	1.59E-04	2.50E-08	9.83E-09
4639	490863.09, 3859877.25	1.49E-04	2.35E-08	9.22E-09	1.82E-04	2.87E-08	1.13E-08	1.60E-04	2.52E-08	9.90E-09
4640	491363.09, 3859877.25	1.48E-04	2.34E-08	9.19E-09	1.82E-04	2.87E-08	1.13E-08	1.59E-04	2.51E-08	9.87E-09
4641	491863.09, 3859877.25	1.48E-04	2.34E-08	9.19E-09	1.82E-04	2.86E-08	1.13E-08	1.59E-04	2.51E-08	9.86E-09
4642	492363.09, 3859877.25	1.47E-04	2.32E-08	9.10E-09	1.80E-04	2.84E-08	1.11E-08	1.58E-04	2.49E-08	9.77E-09
4643	492863.09, 3859877.25	1.44E-04	2.27E-08	8.90E-09	1.76E-04	2.77E-08	1.09E-08	1.54E-04	2.43E-08	9.55E-09
4644	493363.09, 3859877.25	1.39E-04	2.19E-08	8.60E-09	1.70E-04	2.68E-08	1.05E-08	1.49E-04	2.35E-08	9.24E-09
4645	493863.09, 3859877.25	1.33E-04	2.10E-08	8.26E-09	1.63E-04	2.57E-08	1.01E-08	1.43E-04	2.26E-08	8.86E-09
4646	494363.09, 3859877.25	1.27E-04	2.00E-08	7.86E-09	1.56E-04	2.45E-08	9.63E-09	1.36E-04	2.15E-08	8.44E-09
4647	494863.09, 3859877.25	1.22E-04	1.92E-08	7.53E-09	1.49E-04	2.35E-08	9.22E-09	1.31E-04	2.06E-08	8.08E-09
4648	495363.09, 3859877.25	1.16E-04	1.83E-08	7.18E-09	1.42E-04	2.24E-08	8.79E-09	1.24E-04	1.96E-08	7.70E-09
4649	495863.09, 3859877.25	1.10E-04	1.74E-08	6.82E-09	1.35E-04	2.13E-08	8.35E-09	1.18E-04	1.86E-08	7.32E-09
4650	496363.09, 3859877.25	1.02E-04	1.61E-08	6.32E-09	1.25E-04	1.97E-08	7.75E-09	1.10E-04	1.73E-08	6.79E-09
4651	496863.09, 3859877.25	8.24E-05	1.30E-08	5.10E-09	1.01E-04	1.59E-08	6.25E-09	8.85E-05	1.39E-08	5.48E-09
4652	497363.09, 3859877.25	9.27E-05	1.46E-08	5.74E-09	1.14E-04	1.79E-08	7.03E-09	9.95E-05	1.57E-08	6.16E-09
4653	497863.09, 3859877.25	9.58E-05	1.51E-08	5.93E-09	1.17E-04	1.85E-08	7.26E-09	1.03E-04	1.62E-08	6.36E-09
4654	498363.09, 3859877.25	9.25E-05	1.46E-08	5.72E-09	1.13E-04	1.78E-08	7.01E-09	9.92E-05	1.56E-08	6.14E-09
4655	471363.09, 3860377.25	1.99E-05	3.13E-09	1.23E-09	2.43E-05	3.83E-09	1.51E-09	2.13E-05	3.36E-09	1.32E-09
4656	471863.09, 3860377.25	2.10E-05	3.30E-09	1.30E-09	2.57E-05	4.05E-09	1.59E-09	2.25E-05	3.55E-09	1.39E-09
4657	472363.09, 3860377.25	2.23E-05	3.51E-09	1.38E-09	2.73E-05	4.29E-09	1.69E-09	2.39E-05	3.77E-09	1.48E-09
4658	472863.09, 3860377.25	2.37E-05	3.74E-09	1.47E-09	2.91E-05	4.58E-09	1.80E-09	2.55E-05	4.02E-09	1.58E-09
4659	473363.09, 3860377.25	2.52E-05	3.98E-09	1.56E-09	3.09E-05	4.87E-09	1.91E-09	2.71E-05	4.27E-09	1.68E-09
4660	473863.09, 3860377.25	2.67E-05	4.20E-09	1.65E-09	3.27E-05	5.15E-09	2.02E-09	2.87E-05	4.52E-09	1.77E-09
4661	474363.09, 3860377.25	2.78E-05	4.38E-09	1.72E-09	3.40E-05	5.36E-09	2.11E-09	2.98E-05	4.70E-09	1.85E-09
4662	474863.09, 3860377.25	2.82E-05	4.44E-09	1.74E-09	3.45E-05	5.44E-09	2.14E-09	3.03E-05	4.77E-09	1.87E-09
4663	475363.09, 3860377.25	2.65E-05	4.18E-09	1.64E-09	3.25E-05	5.12E-09	2.01E-09	2.85E-05	4.49E-09	1.77E-09
4664	475863.09, 3860377.25	2.33E-05	3.67E-09	1.44E-09	2.85E-05	4.50E-09	1.77E-09	2.50E-05	3.94E-09	1.55E-09
4665	476363.09, 3860377.25	1.87E-05	2.95E-09	1.16E-09	2.30E-05	3.62E-09	1.42E-09	2.01E-05	3.17E-09	1.25E-09
4666	476863.09, 3860377.25	1.71E-05	2.69E-09	1.06E-09	2.09E-05	3.29E-09	1.29E-09	1.83E-05	2.89E-09	1.13E-09
4667	477363.09, 3860377.25	9.92E-06	1.56E-09	6.14E-10	1.22E-05	1.91E-09	7.52E-10	1.07E-05	1.68E-09	6.59E-10
4668	477863.09, 3860377.25	1.30E-05	2.05E-09	8.04E-10	1.59E-05	2.51E-09	9.85E-10	1.40E-05	2.20E-09	8.64E-10
4669	478363.09, 3860377.25	2.54E-05	4.00E-09	1.57E-09	3.11E-05	4.90E-09	1.93E-09	2.73E-05	4.30E-09	1.69E-09
4670	478863.09, 3860377.25	3.64E-05	5.74E-09	2.25E-09	4.46E-05	7.03E-09	2.76E-09	3.91E-05	6.16E-09	2.42E-09
4671	479363.09, 3860377.25	4.67E-05	7.36E-09	2.89E-09	5.72E-05	9.02E-09	3.54E-09	5.02E-05	7.91E-09	3.11E-09
4672	479863.09, 3860377.25	5.39E-05	8.49E-09	3.33E-09	6.60E-05	1.04E-08	4.08E-09	5.79E-05	9.12E-09	3.58E-09
4673	480363.09, 3860377.25	5.87E-05	9.24E-09	3.63E-09	7.18E-05	1.13E-08	4.45E-09	6.30E-05	9.92E-09	3.90E-09
4674	480863.09, 3860377.25	6.31E-05	9.93E-09	3.90E-09	7.72E-05	1.22E-08	4.78E-09	6.77E-05	1.07E-08	4.19E-09
4675	481363.09, 3860377.25	6.78E-05	1.07E-08	4.19E-09	8.30E-05	1.31E-08	5.14E-09	7.27E-05	1.15E-08	4.50E-09
4676	481863.09, 3860377.25	7.23E-05	1.14E-08	4.47E-09	8.85E-05	1.39E-08	5.48E-09	7.76E-05	1.22E-08	4.80E-09

4677	482363.09, 3860377.25	7.69E-05	1.21E-08	4.76E-09	9.42E-05	1.48E-08	5.83E-09	8.26E-05	1.30E-08	5.11E-09
4678	482863.09, 3860377.25	8.22E-05	1.29E-08	5.08E-09	1.01E-04	1.59E-08	6.23E-09	8.83E-05	1.39E-08	5.46E-09
4679	483363.09, 3860377.25	8.66E-05	1.36E-08	5.36E-09	1.06E-04	1.67E-08	6.56E-09	9.30E-05	1.47E-08	5.76E-09
4680	483863.09, 3860377.25	9.16E-05	1.44E-08	5.67E-09	1.12E-04	1.77E-08	6.94E-09	9.84E-05	1.55E-08	6.09E-09
4681	484363.09, 3860377.25	9.20E-05	1.45E-08	5.70E-09	1.13E-04	1.78E-08	6.98E-09	9.89E-05	1.56E-08	6.12E-09
4682	484863.09, 3860377.25	9.57E-05	1.51E-08	5.92E-09	1.17E-04	1.85E-08	7.25E-09	1.03E-04	1.62E-08	6.36E-09
4683	485363.09, 3860377.25	9.89E-05	1.56E-08	6.12E-09	1.21E-04	1.91E-08	7.50E-09	1.06E-04	1.67E-08	6.57E-09
4684	485863.09, 3860377.25	1.02E-04	1.61E-08	6.32E-09	1.25E-04	1.97E-08	7.73E-09	1.10E-04	1.73E-08	6.78E-09
4685	486363.09, 3860377.25	1.03E-04	1.63E-08	6.40E-09	1.27E-04	2.00E-08	7.84E-09	1.11E-04	1.75E-08	6.87E-09
4686	486863.09, 3860377.25	1.05E-04	1.65E-08	6.48E-09	1.28E-04	2.02E-08	7.93E-09	1.12E-04	1.77E-08	6.96E-09
4687	487363.09, 3860377.25	1.05E-04	1.66E-08	6.53E-09	1.29E-04	2.03E-08	7.99E-09	1.13E-04	1.79E-08	7.01E-09
4688	487863.09, 3860377.25	1.08E-04	1.71E-08	6.71E-09	1.33E-04	2.09E-08	8.22E-09	1.17E-04	1.84E-08	7.21E-09
4689	488363.09, 3860377.25	1.09E-04	1.72E-08	6.76E-09	1.34E-04	2.11E-08	8.28E-09	1.17E-04	1.85E-08	7.26E-09
4690	488863.09, 3860377.25	1.10E-04	1.74E-08	6.83E-09	1.35E-04	2.13E-08	8.37E-09	1.19E-04	1.87E-08	7.34E-09
4691	489363.09, 3860377.25	1.13E-04	1.77E-08	6.97E-09	1.38E-04	2.17E-08	8.54E-09	1.21E-04	1.91E-08	7.49E-09
4692	489863.09, 3860377.25	1.16E-04	1.82E-08	7.16E-09	1.42E-04	2.23E-08	8.77E-09	1.24E-04	1.96E-08	7.69E-09
4693	490363.09, 3860377.25	1.15E-04	1.82E-08	7.14E-09	1.41E-04	2.23E-08	8.74E-09	1.24E-04	1.95E-08	7.67E-09
4694	490863.09, 3860377.25	1.09E-04	1.72E-08	6.76E-09	1.34E-04	2.11E-08	8.28E-09	1.17E-04	1.85E-08	7.26E-09
4695	491363.09, 3860377.25	1.05E-04	1.65E-08	6.48E-09	1.28E-04	2.02E-08	7.94E-09	1.12E-04	1.77E-08	6.96E-09
4696	491863.09, 3860377.25	1.06E-04	1.66E-08	6.53E-09	1.29E-04	2.04E-08	8.00E-09	1.13E-04	1.79E-08	7.02E-09
4697	492363.09, 3860377.25	1.09E-04	1.72E-08	6.74E-09	1.33E-04	2.10E-08	8.26E-09	1.17E-04	1.84E-08	7.24E-09
4698	492863.09, 3860377.25	1.10E-04	1.73E-08	6.78E-09	1.34E-04	2.11E-08	8.30E-09	1.18E-04	1.85E-08	7.28E-09
4699	493363.09, 3860377.25	1.11E-04	1.75E-08	6.86E-09	1.36E-04	2.14E-08	8.40E-09	1.19E-04	1.88E-08	7.37E-09
4700	493863.09, 3860377.25	1.09E-04	1.71E-08	6.72E-09	1.33E-04	2.10E-08	8.24E-09	1.17E-04	1.84E-08	7.22E-09
4701	494363.09, 3860377.25	1.07E-04	1.68E-08	6.61E-09	1.31E-04	2.06E-08	8.09E-09	1.15E-04	1.81E-08	7.09E-09
4702	494863.09, 3860377.25	1.03E-04	1.62E-08	6.37E-09	1.26E-04	1.99E-08	7.81E-09	1.11E-04	1.74E-08	6.84E-09
4703	495363.09, 3860377.25	9.99E-05	1.57E-08	6.18E-09	1.22E-04	1.93E-08	7.57E-09	1.07E-04	1.69E-08	6.63E-09
4704	495863.09, 3860377.25	9.64E-05	1.52E-08	5.97E-09	1.18E-04	1.86E-08	7.31E-09	1.03E-04	1.63E-08	6.41E-09
4705	496363.09, 3860377.25	9.18E-05	1.45E-08	5.68E-09	1.12E-04	1.77E-08	6.96E-09	9.85E-05	1.55E-08	6.10E-09
4706	496863.09, 3860377.25	8.65E-05	1.36E-08	5.35E-09	1.06E-04	1.67E-08	6.56E-09	9.29E-05	1.46E-08	5.75E-09
4707	497363.09, 3860377.25	7.95E-05	1.25E-08	4.92E-09	9.74E-05	1.53E-08	6.03E-09	8.53E-05	1.34E-08	5.28E-09
4708	497863.09, 3860377.25	8.33E-05	1.31E-08	5.16E-09	1.02E-04	1.61E-08	6.31E-09	8.94E-05	1.41E-08	5.53E-09
4709	498363.09, 3860377.25	8.17E-05	1.29E-08	5.06E-09	1.00E-04	1.58E-08	6.19E-09	8.77E-05	1.38E-08	5.43E-09
4710	471363.09, 3860877.25	1.99E-05	3.14E-09	1.23E-09	2.44E-05	3.85E-09	1.51E-09	2.14E-05	3.37E-09	1.33E-09
4711	471863.09, 3860877.25	2.11E-05	3.32E-09	1.30E-09	2.58E-05	4.07E-09	1.60E-09	2.26E-05	3.57E-09	1.40E-09
4712	472363.09, 3860877.25	2.23E-05	3.51E-09	1.38E-09	2.73E-05	4.30E-09	1.69E-09	2.39E-05	3.77E-09	1.48E-09
4713	472863.09, 3860877.25	2.35E-05	3.71E-09	1.46E-09	2.88E-05	4.54E-09	1.79E-09	2.53E-05	3.98E-09	1.57E-09
4714	473363.09, 3860877.25	2.48E-05	3.90E-09	1.53E-09	3.03E-05	4.78E-09	1.88E-09	2.66E-05	4.19E-09	1.65E-09
4715	473863.09, 3860877.25	2.59E-05	4.08E-09	1.60E-09	3.17E-05	5.00E-09	1.96E-09	2.78E-05	4.38E-09	1.72E-09
4716	474363.09, 3860877.25	2.71E-05	4.26E-09	1.67E-09	3.31E-05	5.22E-09	2.05E-09	2.91E-05	4.58E-09	1.80E-09
4717	474863.09, 3860877.25	2.83E-05	4.46E-09	1.75E-09	3.47E-05	5.46E-09	2.15E-09	3.04E-05	4.79E-09	1.88E-09
4718	475363.09, 3860877.25	2.91E-05	4.59E-09	1.80E-09	3.57E-05	5.62E-09	2.21E-09	3.13E-05	4.93E-09	1.94E-09
4719	475863.09, 3860877.25	2.93E-05	4.61E-09	1.81E-09	3.58E-05	5.65E-09	2.22E-09	3.14E-05	4.95E-09	1.95E-09
4720	476363.09, 3860877.25	2.81E-05	4.42E-09	1.74E-09	3.44E-05	5.41E-09	2.13E-09	3.01E-05	4.75E-09	1.86E-09
4721	476863.09, 3860877.25	2.78E-05	4.38E-09	1.72E-09	3.41E-05	5.37E-09	2.11E-09	2.99E-05	4.70E-09	1.85E-09
4722	477363.09, 3860877.25	2.90E-05	4.57E-09	1.79E-09	3.55E-05	5.60E-09	2.20E-09	3.11E-05	4.91E-09	1.93E-09
4723	477863.09, 3860877.25	2.61E-05	4.11E-09	1.61E-09	3.19E-05	5.03E-09	1.98E-09	2.80E-05	4.41E-09	1.73E-09
4724	478363.09, 3860877.25	1.58E-05	2.49E-09	9.76E-10	1.93E-05	3.04E-09	1.20E-09	1.70E-05	2.67E-09	1.05E-09
4725	478863.09, 3860877.25	3.36E-05	5.30E-09	2.08E-09	4.12E-05	6.49E-09	2.55E-09	3.61E-05	5.69E-09	2.23E-09
4726	479363.09, 3860877.25	4.37E-05	6.89E-09	2.71E-09	5.35E-05	8.43E-09	3.31E-09	4.69E-05	7.39E-09	2.90E-09
4727	479863.09, 3860877.25	4.95E-05	7.79E-09	3.06E-09	6.06E-05	9.55E-09	3.75E-09	5.31E-05	8.37E-09	3.29E-09
4728	480363.09, 3860877.25	5.33E-05	8.40E-09	3.30E-09	6.53E-05	1.03E-08	4.04E-09	5.72E-05	9.02E-09	3.54E-09
4729	480863.09, 3860877.25	5.70E-05	8.98E-09	3.53E-09	6.98E-05	1.10E-08	4.32E-09	6.12E-05	9.64E-09	3.79E-09
4730	481363.09, 3860877.25	6.05E-05	9.54E-09	3.75E-09	7.42E-05	1.17E-08	4.59E-09	6.50E-05	1.02E-08	4.02E-09
4731	481863.09, 3860877.25	6.40E-05	1.01E-08	3.96E-09	7.84E-05	1.23E-08	4.85E-09	6.87E-05	1.08E-08	4.25E-09
4732	482363.09, 3860877.25	6.75E-05	1.06E-08	4.18E-09	8.26E-05	1.30E-08	5.11E-09	7.25E-05	1.14E-08	4.49E-09
4733	482863.09, 3860877.25	7.16E-05	1.13E-08	4.43E-09	8.77E-05	1.38E-08	5.43E-09	7.70E-05	1.21E-08	4.76E-09
4734	483363.09, 3860877.25	7.54E-05	1.19E-08	4.67E-09	9.24E-05	1.46E-08	5.72E-09	8.11E-05	1.28E-08	5.02E-09
4735	483863.09, 3860877.25	7.89E-05	1.24E-08	4.88E-09	9.66E-05	1.52E-08	5.98E-09	8.48E-05	1.34E-08	5.25E-09
4736	484363.09, 3860877.25	8.06E-05	1.27E-08	4.99E-09	9.87E-05	1.56E-08	6.11E-09	8.66E-05	1.36E-08	5.36E-09
4737	484863.09, 3860877.25	8.04E-05	1.27E-08	4.98E-09	9.85E-05	1.55E-08	6.09E-09	8.64E-05	1.36E-08	5.34E-09
4738	485363.09, 3860877.25	8.25E-05	1.30E-08	5.10E-09	1.01E-04	1.59E-08	6.25E-09	8.86E-05	1.40E-08	5.48E-09
4739	485863.09, 3860877.25	8.52E-05	1.34E-08	5.27E-09	1.04E-04	1.64E-08	6.46E-09	9.15E-05	1.44E-08	5.66E-09
4740	486363.09, 3860877.25	8.49E-05	1.34E-08	5.26E-09	1.04E-04	1.64E-08	6.44E-09	9.12E-05	1.44E-08	5.65E-09
4741	486863.09, 3860877.25	8.51E-05	1.34E-08	5.27E-09	1.04E-04	1.64E-08	6.45E-09	9.14E-05	1.44E-08	5.66E-09

4742	487363.09, 3860877.25	8.47E-05	1.33E-08	5.24E-09	1.04E-04	1.63E-08	6.42E-09	9.10E-05	1.43E-08	5.63E-09
4743	487863.09, 3860877.25	8.44E-05	1.33E-08	5.22E-09	1.03E-04	1.63E-08	6.39E-09	9.06E-05	1.43E-08	5.61E-09
4744	488363.09, 3860877.25	8.72E-05	1.37E-08	5.40E-09	1.07E-04	1.68E-08	6.61E-09	9.37E-05	1.48E-08	5.80E-09
4745	488863.09, 3860877.25	8.56E-05	1.35E-08	5.29E-09	1.05E-04	1.65E-08	6.48E-09	9.19E-05	1.45E-08	5.69E-09
4746	489363.09, 3860877.25	8.87E-05	1.40E-08	5.49E-09	1.09E-04	1.71E-08	6.73E-09	9.53E-05	1.50E-08	5.90E-09
4747	489863.09, 3860877.25	8.76E-05	1.38E-08	5.42E-09	1.07E-04	1.69E-08	6.64E-09	9.41E-05	1.48E-08	5.83E-09
4748	490363.09, 3860877.25	8.92E-05	1.40E-08	5.52E-09	1.09E-04	1.72E-08	6.76E-09	9.58E-05	1.51E-08	5.93E-09
4749	490863.09, 3860877.25	8.99E-05	1.42E-08	5.56E-09	1.10E-04	1.73E-08	6.81E-09	9.65E-05	1.52E-08	5.97E-09
4750	491363.09, 3860877.25	8.61E-05	1.36E-08	5.33E-09	1.06E-04	1.66E-08	6.53E-09	9.25E-05	1.46E-08	5.72E-09
4751	491863.09, 3860877.25	8.24E-05	1.30E-08	5.10E-09	1.01E-04	1.59E-08	6.25E-09	8.85E-05	1.39E-08	5.48E-09
4752	492363.09, 3860877.25	8.01E-05	1.26E-08	4.96E-09	9.81E-05	1.55E-08	6.07E-09	8.60E-05	1.36E-08	5.33E-09
4753	492863.09, 3860877.25	8.17E-05	1.29E-08	5.06E-09	1.00E-04	1.58E-08	6.19E-09	8.77E-05	1.38E-08	5.43E-09
4754	493363.09, 3860877.25	8.48E-05	1.34E-08	5.25E-09	1.04E-04	1.64E-08	6.43E-09	9.10E-05	1.43E-08	5.63E-09
4755	493863.09, 3860877.25	8.55E-05	1.35E-08	5.29E-09	1.05E-04	1.65E-08	6.48E-09	9.18E-05	1.45E-08	5.68E-09
4756	494363.09, 3860877.25	8.57E-05	1.35E-08	5.30E-09	1.05E-04	1.65E-08	6.49E-09	9.20E-05	1.45E-08	5.69E-09
4757	494863.09, 3860877.25	8.54E-05	1.35E-08	5.28E-09	1.05E-04	1.65E-08	6.47E-09	9.17E-05	1.44E-08	5.67E-09
4758	495363.09, 3860877.25	8.42E-05	1.33E-08	5.21E-09	1.03E-04	1.62E-08	6.38E-09	9.04E-05	1.42E-08	5.59E-09
4759	495863.09, 3860877.25	8.19E-05	1.29E-08	5.07E-09	1.00E-04	1.58E-08	6.21E-09	8.79E-05	1.39E-08	5.44E-09
4760	496363.09, 3860877.25	8.05E-05	1.27E-08	4.98E-09	9.86E-05	1.55E-08	6.10E-09	8.64E-05	1.36E-08	5.35E-09
4761	496863.09, 3860877.25	7.85E-05	1.24E-08	4.86E-09	9.62E-05	1.51E-08	5.95E-09	8.43E-05	1.33E-08	5.22E-09
4762	497363.09, 3860877.25	7.62E-05	1.20E-08	4.72E-09	9.34E-05	1.47E-08	5.78E-09	8.18E-05	1.29E-08	5.07E-09
4763	497863.09, 3860877.25	7.41E-05	1.17E-08	4.58E-09	9.07E-05	1.43E-08	5.61E-09	7.95E-05	1.25E-08	4.92E-09
4764	498363.09, 3860877.25	7.19E-05	1.13E-08	4.45E-09	8.81E-05	1.39E-08	5.45E-09	7.72E-05	1.22E-08	4.78E-09
4765	471363.09, 3861377.25	1.99E-05	3.13E-09	1.23E-09	2.43E-05	3.83E-09	1.51E-09	2.13E-05	3.36E-09	1.32E-09
4766	471863.09, 3861377.25	2.09E-05	3.29E-09	1.29E-09	2.56E-05	4.03E-09	1.58E-09	2.24E-05	3.54E-09	1.39E-09
4767	472363.09, 3861377.25	2.19E-05	3.45E-09	1.36E-09	2.68E-05	4.23E-09	1.66E-09	2.35E-05	3.71E-09	1.46E-09
4768	472863.09, 3861377.25	2.30E-05	3.62E-09	1.42E-09	2.81E-05	4.43E-09	1.74E-09	2.47E-05	3.89E-09	1.53E-09
4769	473363.09, 3861377.25	2.40E-05	3.77E-09	1.48E-09	2.93E-05	4.62E-09	1.82E-09	2.57E-05	4.05E-09	1.59E-09
4770	473863.09, 3861377.25	2.49E-05	3.93E-09	1.54E-09	3.06E-05	4.81E-09	1.89E-09	2.68E-05	4.22E-09	1.66E-09
4771	474363.09, 3861377.25	2.61E-05	4.12E-09	1.62E-09	3.20E-05	5.04E-09	1.98E-09	2.81E-05	4.42E-09	1.74E-09
4772	474863.09, 3861377.25	2.73E-05	4.31E-09	1.69E-09	3.35E-05	5.27E-09	2.07E-09	2.94E-05	4.63E-09	1.82E-09
4773	475363.09, 3861377.25	2.87E-05	4.52E-09	1.78E-09	3.52E-05	5.54E-09	2.18E-09	3.08E-05	4.86E-09	1.91E-09
4774	475863.09, 3861377.25	2.99E-05	4.71E-09	1.85E-09	3.66E-05	5.77E-09	2.27E-09	3.21E-05	5.06E-09	1.99E-09
4775	476363.09, 3861377.25	3.08E-05	4.85E-09	1.90E-09	3.77E-05	5.94E-09	2.33E-09	3.30E-05	5.21E-09	2.05E-09
4776	476863.09, 3861377.25	3.16E-05	4.98E-09	1.96E-09	3.87E-05	6.10E-09	2.40E-09	3.40E-05	5.35E-09	2.10E-09
4777	477363.09, 3861377.25	3.25E-05	5.12E-09	2.01E-09	3.98E-05	6.27E-09	2.46E-09	3.49E-05	5.50E-09	2.16E-09
4778	477863.09, 3861377.25	2.97E-05	4.68E-09	1.84E-09	3.64E-05	5.73E-09	2.25E-09	3.19E-05	5.03E-09	1.98E-09
4779	478363.09, 3861377.25	1.94E-05	3.05E-09	1.20E-09	2.37E-05	3.74E-09	1.47E-09	2.08E-05	3.28E-09	1.29E-09
4780	478863.09, 3861377.25	2.44E-05	3.85E-09	1.51E-09	2.99E-05	4.72E-09	1.85E-09	2.62E-05	4.13E-09	1.62E-09
4781	479363.09, 3861377.25	3.96E-05	6.24E-09	2.45E-09	4.85E-05	7.64E-09	3.00E-09	4.25E-05	6.69E-09	2.63E-09
4782	479863.09, 3861377.25	4.52E-05	7.11E-09	2.79E-09	5.53E-05	8.71E-09	3.42E-09	4.85E-05	7.64E-09	3.00E-09
4783	480363.09, 3861377.25	4.87E-05	7.67E-09	3.01E-09	5.96E-05	9.39E-09	3.69E-09	5.23E-05	8.23E-09	3.23E-09
4784	480863.09, 3861377.25	5.14E-05	8.09E-09	3.18E-09	6.29E-05	9.91E-09	3.89E-09	5.52E-05	8.69E-09	3.41E-09
4785	481363.09, 3861377.25	5.40E-05	8.51E-09	3.34E-09	6.62E-05	1.04E-08	4.09E-09	5.80E-05	9.14E-09	3.59E-09
4786	481863.09, 3861377.25	5.68E-05	8.94E-09	3.51E-09	6.95E-05	1.10E-08	4.30E-09	6.10E-05	9.61E-09	3.77E-09
4787	482363.09, 3861377.25	5.99E-05	9.43E-09	3.70E-09	7.33E-05	1.15E-08	4.54E-09	6.43E-05	1.01E-08	3.98E-09
4788	482863.09, 3861377.25	6.30E-05	9.93E-09	3.90E-09	7.72E-05	1.22E-08	4.78E-09	6.77E-05	1.07E-08	4.19E-09
4789	483363.09, 3861377.25	6.58E-05	1.04E-08	4.07E-09	8.05E-05	1.27E-08	4.98E-09	7.07E-05	1.11E-08	4.37E-09
4790	483863.09, 3861377.25	6.81E-05	1.07E-08	4.21E-09	8.33E-05	1.31E-08	5.16E-09	7.31E-05	1.15E-08	4.52E-09
4791	484363.09, 3861377.25	7.05E-05	1.11E-08	4.36E-09	8.63E-05	1.36E-08	5.34E-09	7.57E-05	1.19E-08	4.68E-09
4792	484863.09, 3861377.25	7.02E-05	1.11E-08	4.34E-09	8.59E-05	1.35E-08	5.32E-09	7.54E-05	1.19E-08	4.66E-09
4793	485363.09, 3861377.25	6.98E-05	1.10E-08	4.32E-09	8.55E-05	1.35E-08	5.29E-09	7.50E-05	1.18E-08	4.64E-09
4794	485863.09, 3861377.25	7.09E-05	1.12E-08	4.39E-09	8.68E-05	1.37E-08	5.37E-09	7.61E-05	1.20E-08	4.71E-09
4795	486363.09, 3861377.25	7.13E-05	1.12E-08	4.41E-09	8.74E-05	1.38E-08	5.41E-09	7.66E-05	1.21E-08	4.74E-09
4796	486863.09, 3861377.25	7.12E-05	1.12E-08	4.41E-09	8.72E-05	1.37E-08	5.40E-09	7.65E-05	1.20E-08	4.73E-09
4797	487363.09, 3861377.25	7.02E-05	1.11E-08	4.34E-09	8.60E-05	1.35E-08	5.32E-09	7.54E-05	1.19E-08	4.67E-09
4798	487863.09, 3861377.25	6.97E-05	1.10E-08	4.32E-09	8.54E-05	1.35E-08	5.29E-09	7.49E-05	1.18E-08	4.64E-09
4799	488363.09, 3861377.25	6.93E-05	1.09E-08	4.29E-09	8.48E-05	1.34E-08	5.25E-09	7.44E-05	1.17E-08	4.60E-09
4800	488863.09, 3861377.25	6.94E-05	1.09E-08	4.29E-09	8.49E-05	1.34E-08	5.26E-09	7.45E-05	1.17E-08	4.61E-09
4801	489363.09, 3861377.25	6.99E-05	1.10E-08	4.33E-09	8.56E-05	1.35E-08	5.30E-09	7.51E-05	1.18E-08	4.65E-09
4802	489863.09, 3861377.25	7.11E-05	1.12E-08	4.40E-09	8.70E-05	1.37E-08	5.39E-09	7.63E-05	1.20E-08	4.72E-09
4803	490363.09, 3861377.25	7.15E-05	1.13E-08	4.43E-09	8.76E-05	1.38E-08	5.42E-09	7.68E-05	1.21E-08	4.75E-09
4804	490863.09, 3861377.25	7.22E-05	1.14E-08	4.47E-09	8.84E-05	1.39E-08	5.47E-09	7.75E-05	1.22E-08	4.80E-09
4805	491363.09, 3861377.25	7.29E-05	1.15E-08	4.51E-09	8.93E-05	1.41E-08	5.53E-09	7.83E-05	1.23E-08	4.85E-09
4806	491863.09, 3861377.25	7.07E-05	1.11E-08	4.38E-09	8.66E-05	1.36E-08	5.36E-09	7.60E-05	1.20E-08	4.70E-09

4807	492363.09, 3861377.25	6.74E-05	1.06E-08	4.17E-09	8.25E-05	1.30E-08	5.11E-09	7.23E-05	1.14E-08	4.48E-09
4808	492863.09, 3861377.25	6.55E-05	1.03E-08	4.05E-09	8.02E-05	1.26E-08	4.97E-09	7.03E-05	1.11E-08	4.35E-09
4809	493363.09, 3861377.25	6.57E-05	1.04E-08	4.07E-09	8.05E-05	1.27E-08	4.98E-09	7.06E-05	1.11E-08	4.37E-09
4810	493863.09, 3861377.25	6.66E-05	1.05E-08	4.12E-09	8.16E-05	1.29E-08	5.05E-09	7.15E-05	1.13E-08	4.43E-09
4811	494363.09, 3861377.25	6.78E-05	1.07E-08	4.19E-09	8.30E-05	1.31E-08	5.14E-09	7.27E-05	1.15E-08	4.50E-09
4812	494863.09, 3861377.25	6.87E-05	1.08E-08	4.25E-09	8.41E-05	1.33E-08	5.21E-09	7.38E-05	1.16E-08	4.56E-09
4813	495363.09, 3861377.25	6.89E-05	1.08E-08	4.26E-09	8.43E-05	1.33E-08	5.22E-09	7.39E-05	1.16E-08	4.58E-09
4814	495863.09, 3861377.25	6.80E-05	1.07E-08	4.21E-09	8.33E-05	1.31E-08	5.16E-09	7.30E-05	1.15E-08	4.52E-09
4815	496363.09, 3861377.25	6.79E-05	1.07E-08	4.20E-09	8.31E-05	1.31E-08	5.15E-09	7.29E-05	1.15E-08	4.51E-09
4816	496863.09, 3861377.25	6.79E-05	1.07E-08	4.20E-09	8.32E-05	1.31E-08	5.15E-09	7.29E-05	1.15E-08	4.51E-09
4817	497363.09, 3861377.25	6.64E-05	1.05E-08	4.11E-09	8.14E-05	1.28E-08	5.03E-09	7.13E-05	1.12E-08	4.41E-09
4818	497863.09, 3861377.25	6.48E-05	1.02E-08	4.01E-09	7.94E-05	1.25E-08	4.91E-09	6.96E-05	1.10E-08	4.31E-09
4819	498363.09, 3861377.25	6.33E-05	9.98E-09	3.92E-09	7.76E-05	1.22E-08	4.80E-09	6.80E-05	1.07E-08	4.21E-09
4820	471363.09, 3861877.25	1.96E-05	3.09E-09	1.21E-09	2.40E-05	3.79E-09	1.49E-09	2.11E-05	3.32E-09	1.30E-09
4821	471863.09, 3861877.25	2.04E-05	3.22E-09	1.27E-09	2.50E-05	3.95E-09	1.55E-09	2.20E-05	3.46E-09	1.36E-09
4822	472363.09, 3861877.25	2.13E-05	3.35E-09	1.32E-09	2.60E-05	4.10E-09	1.61E-09	2.28E-05	3.60E-09	1.41E-09
4823	472863.09, 3861877.25	2.21E-05	3.48E-09	1.37E-09	2.71E-05	4.27E-09	1.68E-09	2.38E-05	3.74E-09	1.47E-09
4824	473363.09, 3861877.25	2.30E-05	3.62E-09	1.42E-09	2.82E-05	4.44E-09	1.74E-09	2.47E-05	3.89E-09	1.53E-09
4825	473863.09, 3861877.25	2.40E-05	3.78E-09	1.48E-09	2.94E-05	4.63E-09	1.82E-09	2.58E-05	4.06E-09	1.59E-09
4826	474363.09, 3861877.25	2.50E-05	3.94E-09	1.55E-09	3.07E-05	4.83E-09	1.90E-09	2.69E-05	4.24E-09	1.66E-09
4827	474863.09, 3861877.25	2.62E-05	4.12E-09	1.62E-09	3.21E-05	5.05E-09	1.98E-09	2.81E-05	4.43E-09	1.74E-09
4828	475363.09, 3861877.25	2.73E-05	4.31E-09	1.69E-09	3.35E-05	5.27E-09	2.07E-09	2.94E-05	4.63E-09	1.82E-09
4829	475863.09, 3861877.25	2.86E-05	4.50E-09	1.77E-09	3.50E-05	5.51E-09	2.17E-09	3.07E-05	4.84E-09	1.90E-09
4830	476363.09, 3861877.25	2.98E-05	4.70E-09	1.84E-09	3.65E-05	5.75E-09	2.26E-09	3.20E-05	5.04E-09	1.98E-09
4831	476863.09, 3861877.25	3.08E-05	4.85E-09	1.91E-09	3.77E-05	5.94E-09	2.33E-09	3.31E-05	5.21E-09	2.05E-09
4832	477363.09, 3861877.25	3.17E-05	4.99E-09	1.96E-09	3.88E-05	6.11E-09	2.40E-09	3.40E-05	5.36E-09	2.10E-09
4833	477863.09, 3861877.25	2.88E-05	4.54E-09	1.78E-09	3.53E-05	5.56E-09	2.18E-09	3.09E-05	4.87E-09	1.91E-09
4834	478363.09, 3861877.25	1.59E-05	2.50E-09	9.84E-10	1.95E-05	3.07E-09	1.21E-09	1.71E-05	2.69E-09	1.06E-09
4835	478863.09, 3861877.25	2.64E-05	4.16E-09	1.64E-09	3.24E-05	5.10E-09	2.00E-09	2.84E-05	4.47E-09	1.76E-09
4836	479363.09, 3861877.25	2.48E-05	3.90E-09	1.53E-09	3.03E-05	4.78E-09	1.88E-09	2.66E-05	4.19E-09	1.65E-09
4837	479863.09, 3861877.25	4.11E-05	6.47E-09	2.54E-09	5.03E-05	7.93E-09	3.11E-09	4.41E-05	6.95E-09	2.73E-09
4838	480363.09, 3861877.25	4.42E-05	6.96E-09	2.73E-09	5.41E-05	8.53E-09	3.35E-09	4.75E-05	7.48E-09	2.94E-09
4839	480863.09, 3861877.25	4.65E-05	7.32E-09	2.88E-09	5.69E-05	8.97E-09	3.52E-09	4.99E-05	7.86E-09	3.09E-09
4840	481363.09, 3861877.25	4.86E-05	7.66E-09	3.01E-09	5.96E-05	9.39E-09	3.69E-09	5.23E-05	8.23E-09	3.23E-09
4841	481863.09, 3861877.25	5.09E-05	8.02E-09	3.15E-09	6.24E-05	9.83E-09	3.86E-09	5.47E-05	8.62E-09	3.39E-09
4842	482363.09, 3861877.25	5.35E-05	8.42E-09	3.31E-09	6.55E-05	1.03E-08	4.05E-09	5.74E-05	9.05E-09	3.56E-09
4843	482863.09, 3861877.25	5.59E-05	8.81E-09	3.46E-09	6.85E-05	1.08E-08	4.24E-09	6.01E-05	9.46E-09	3.72E-09
4844	483363.09, 3861877.25	5.78E-05	9.11E-09	3.58E-09	7.08E-05	1.12E-08	4.38E-09	6.21E-05	9.78E-09	3.84E-09
4845	483863.09, 3861877.25	5.96E-05	9.39E-09	3.69E-09	7.30E-05	1.15E-08	4.52E-09	6.40E-05	1.01E-08	3.96E-09
4846	484363.09, 3861877.25	6.06E-05	9.55E-09	3.75E-09	7.42E-05	1.17E-08	4.59E-09	6.51E-05	1.03E-08	4.03E-09
4847	484863.09, 3861877.25	6.16E-05	9.70E-09	3.81E-09	7.54E-05	1.19E-08	4.67E-09	6.61E-05	1.04E-08	4.09E-09
4848	485363.09, 3861877.25	6.12E-05	9.63E-09	3.78E-09	7.49E-05	1.18E-08	4.64E-09	6.57E-05	1.04E-08	4.07E-09
4849	485863.09, 3861877.25	6.05E-05	9.54E-09	3.75E-09	7.41E-05	1.17E-08	4.59E-09	6.50E-05	1.02E-08	4.02E-09
4850	486363.09, 3861877.25	6.09E-05	9.60E-09	3.77E-09	7.46E-05	1.18E-08	4.62E-09	6.54E-05	1.03E-08	4.05E-09
4851	486863.09, 3861877.25	6.05E-05	9.53E-09	3.75E-09	7.41E-05	1.17E-08	4.59E-09	6.50E-05	1.02E-08	4.02E-09
4852	487363.09, 3861877.25	5.98E-05	9.41E-09	3.70E-09	7.32E-05	1.15E-08	4.53E-09	6.42E-05	1.01E-08	3.97E-09
4853	487863.09, 3861877.25	5.91E-05	9.31E-09	3.66E-09	7.24E-05	1.14E-08	4.48E-09	6.35E-05	1.00E-08	3.93E-09
4854	488363.09, 3861877.25	5.87E-05	9.25E-09	3.63E-09	7.19E-05	1.13E-08	4.45E-09	6.30E-05	9.93E-09	3.90E-09
4855	488863.09, 3861877.25	5.82E-05	9.17E-09	3.60E-09	7.13E-05	1.12E-08	4.41E-09	6.25E-05	9.85E-09	3.87E-09
4856	489363.09, 3861877.25	5.80E-05	9.14E-09	3.59E-09	7.10E-05	1.12E-08	4.40E-09	6.23E-05	9.82E-09	3.86E-09
4857	489863.09, 3861877.25	5.88E-05	9.27E-09	3.64E-09	7.21E-05	1.14E-08	4.46E-09	6.32E-05	9.95E-09	3.91E-09
4858	490363.09, 3861877.25	5.90E-05	9.30E-09	3.65E-09	7.23E-05	1.14E-08	4.47E-09	6.34E-05	9.99E-09	3.92E-09
4859	490863.09, 3861877.25	5.94E-05	9.35E-09	3.68E-09	7.27E-05	1.15E-08	4.50E-09	6.38E-05	1.00E-08	3.95E-09
4860	491363.09, 3861877.25	6.01E-05	9.47E-09	3.72E-09	7.36E-05	1.16E-08	4.56E-09	6.46E-05	1.02E-08	4.00E-09
4861	491863.09, 3861877.25	6.12E-05	9.65E-09	3.79E-09	7.50E-05	1.18E-08	4.64E-09	6.57E-05	1.04E-08	4.07E-09
4862	492363.09, 3861877.25	5.94E-05	9.37E-09	3.68E-09	7.28E-05	1.15E-08	4.51E-09	6.38E-05	1.01E-08	3.95E-09
4863	492863.09, 3861877.25	5.67E-05	8.93E-09	3.51E-09	6.94E-05	1.09E-08	4.30E-09	6.09E-05	9.59E-09	3.77E-09
4864	493363.09, 3861877.25	5.48E-05	8.64E-09	3.39E-09	6.72E-05	1.06E-08	4.16E-09	5.89E-05	9.28E-09	3.64E-09
4865	493863.09, 3861877.25	5.43E-05	8.55E-09	3.36E-09	6.65E-05	1.05E-08	4.12E-09	5.83E-05	9.18E-09	3.61E-09
4866	494363.09, 3861877.25	5.47E-05	8.62E-09	3.39E-09	6.70E-05	1.06E-08	4.15E-09	5.87E-05	9.25E-09	3.63E-09
4867	494863.09, 3861877.25	5.58E-05	8.80E-09	3.46E-09	6.84E-05	1.08E-08	4.23E-09	5.99E-05	9.44E-09	3.71E-09
4868	495363.09, 3861877.25	5.67E-05	8.94E-09	3.51E-09	6.95E-05	1.09E-08	4.30E-09	6.09E-05	9.59E-09	3.77E-09
4869	495863.09, 3861877.25	5.73E-05	9.02E-09	3.54E-09	7.01E-05	1.10E-08	4.34E-09	6.15E-05	9.68E-09	3.80E-09
4870	496363.09, 3861877.25	5.75E-05	9.06E-09	3.56E-09	7.05E-05	1.11E-08	4.36E-09	6.18E-05	9.73E-09	3.82E-09
4871	496863.09, 3861877.25	6.06E-05	9.55E-09	3.75E-09	7.43E-05	1.17E-08	4.60E-09	6.51E-05	1.03E-08	4.03E-09

4872	497363.09, 3861877.25	5.77E-05	9.08E-09	3.57E-09	7.06E-05	1.11E-08	4.37E-09	6.19E-05	9.75E-09	3.83E-09
4873	497863.09, 3861877.25	5.59E-05	8.81E-09	3.46E-09	6.85E-05	1.08E-08	4.24E-09	6.00E-05	9.45E-09	3.71E-09
4874	498363.09, 3861877.25	5.45E-05	8.59E-09	3.38E-09	6.68E-05	1.05E-08	4.13E-09	5.85E-05	9.22E-09	3.62E-09
4875	471363.09, 3862377.25	1.91E-05	3.00E-09	1.18E-09	2.33E-05	3.68E-09	1.44E-09	2.05E-05	3.22E-09	1.27E-09
4876	471863.09, 3862377.25	1.97E-05	3.11E-09	1.22E-09	2.42E-05	3.81E-09	1.50E-09	2.12E-05	3.34E-09	1.31E-09
4877	472363.09, 3862377.25	2.04E-05	3.22E-09	1.27E-09	2.50E-05	3.94E-09	1.55E-09	2.20E-05	3.46E-09	1.36E-09
4878	472863.09, 3862377.25	2.12E-05	3.34E-09	1.31E-09	2.60E-05	4.09E-09	1.61E-09	2.28E-05	3.59E-09	1.41E-09
4879	473363.09, 3862377.25	2.20E-05	3.47E-09	1.36E-09	2.70E-05	4.25E-09	1.67E-09	2.37E-05	3.73E-09	1.46E-09
4880	473863.09, 3862377.25	2.29E-05	3.61E-09	1.42E-09	2.81E-05	4.42E-09	1.74E-09	2.46E-05	3.88E-09	1.52E-09
4881	474363.09, 3862377.25	2.39E-05	3.76E-09	1.48E-09	2.92E-05	4.60E-09	1.81E-09	2.56E-05	4.04E-09	1.59E-09
4882	474863.09, 3862377.25	2.48E-05	3.91E-09	1.54E-09	3.04E-05	4.79E-09	1.88E-09	2.67E-05	4.20E-09	1.65E-09
4883	475363.09, 3862377.25	2.59E-05	4.08E-09	1.60E-09	3.17E-05	4.99E-09	1.96E-09	2.78E-05	4.38E-09	1.72E-09
4884	475863.09, 3862377.25	2.69E-05	4.24E-09	1.67E-09	3.30E-05	5.19E-09	2.04E-09	2.89E-05	4.55E-09	1.79E-09
4885	476363.09, 3862377.25	2.80E-05	4.41E-09	1.73E-09	3.43E-05	5.40E-09	2.12E-09	3.00E-05	4.73E-09	1.86E-09
4886	476863.09, 3862377.25	2.91E-05	4.58E-09	1.80E-09	3.56E-05	5.61E-09	2.20E-09	3.12E-05	4.91E-09	1.93E-09
4887	477363.09, 3862377.25	3.03E-05	4.77E-09	1.87E-09	3.71E-05	5.84E-09	2.29E-09	3.25E-05	5.12E-09	2.01E-09
4888	477863.09, 3862377.25	2.91E-05	4.59E-09	1.80E-09	3.57E-05	5.62E-09	2.21E-09	3.13E-05	4.92E-09	1.93E-09
4889	478363.09, 3862377.25	2.61E-05	4.12E-09	1.62E-09	3.20E-05	5.04E-09	1.98E-09	2.81E-05	4.42E-09	1.74E-09
4890	478863.09, 3862377.25	2.76E-05	4.35E-09	1.71E-09	3.38E-05	5.33E-09	2.09E-09	2.96E-05	4.67E-09	1.83E-09
4891	479363.09, 3862377.25	3.17E-05	4.99E-09	1.96E-09	3.88E-05	6.11E-09	2.40E-09	3.40E-05	5.36E-09	2.11E-09
4892	479863.09, 3862377.25	3.81E-05	6.00E-09	2.36E-09	4.67E-05	7.35E-09	2.89E-09	4.09E-05	6.45E-09	2.53E-09
4893	480363.09, 3862377.25	4.04E-05	6.37E-09	2.50E-09	4.95E-05	7.80E-09	3.07E-09	4.34E-05	6.84E-09	2.69E-09
4894	480863.09, 3862377.25	4.23E-05	6.66E-09	2.62E-09	5.18E-05	8.16E-09	3.21E-09	4.54E-05	7.16E-09	2.81E-09
4895	481363.09, 3862377.25	4.40E-05	6.93E-09	2.72E-09	5.39E-05	8.49E-09	3.34E-09	4.73E-05	7.45E-09	2.93E-09
4896	481863.09, 3862377.25	4.57E-05	7.20E-09	2.83E-09	5.60E-05	8.82E-09	3.47E-09	4.91E-05	7.74E-09	3.04E-09
4897	482363.09, 3862377.25	4.78E-05	7.53E-09	2.96E-09	5.85E-05	9.22E-09	3.62E-09	5.13E-05	8.09E-09	3.18E-09
4898	482863.09, 3862377.25	4.97E-05	7.83E-09	3.08E-09	6.09E-05	9.59E-09	3.77E-09	5.34E-05	8.41E-09	3.30E-09
4899	483363.09, 3862377.25	5.14E-05	8.10E-09	3.18E-09	6.30E-05	9.92E-09	3.90E-09	5.52E-05	8.70E-09	3.42E-09
4900	483863.09, 3862377.25	5.23E-05	8.24E-09	3.24E-09	6.40E-05	1.01E-08	3.96E-09	5.62E-05	8.85E-09	3.48E-09
4901	484363.09, 3862377.25	5.35E-05	8.43E-09	3.31E-09	6.56E-05	1.03E-08	4.06E-09	5.75E-05	9.06E-09	3.56E-09
4902	484863.09, 3862377.25	5.32E-05	8.38E-09	3.29E-09	6.51E-05	1.03E-08	4.03E-09	5.71E-05	9.00E-09	3.54E-09
4903	485363.09, 3862377.25	5.27E-05	8.31E-09	3.26E-09	6.46E-05	1.02E-08	4.00E-09	5.67E-05	8.93E-09	3.51E-09
4904	485863.09, 3862377.25	5.29E-05	8.34E-09	3.27E-09	6.48E-05	1.02E-08	4.01E-09	5.68E-05	8.95E-09	3.52E-09
4905	486363.09, 3862377.25	5.26E-05	8.29E-09	3.26E-09	6.44E-05	1.01E-08	3.99E-09	5.65E-05	8.90E-09	3.50E-09
4906	486863.09, 3862377.25	5.21E-05	8.21E-09	3.22E-09	6.38E-05	1.01E-08	3.95E-09	5.60E-05	8.82E-09	3.46E-09
4907	487363.09, 3862377.25	5.15E-05	8.11E-09	3.19E-09	6.31E-05	9.93E-09	3.90E-09	5.53E-05	8.72E-09	3.42E-09
4908	487863.09, 3862377.25	5.10E-05	8.04E-09	3.16E-09	6.25E-05	9.85E-09	3.87E-09	5.49E-05	8.64E-09	3.39E-09
4909	488363.09, 3862377.25	5.07E-05	7.98E-09	3.14E-09	6.21E-05	9.78E-09	3.84E-09	5.44E-05	8.58E-09	3.37E-09
4910	488863.09, 3862377.25	5.04E-05	7.94E-09	3.12E-09	6.17E-05	9.72E-09	3.82E-09	5.41E-05	8.53E-09	3.35E-09
4911	489363.09, 3862377.25	5.02E-05	7.91E-09	3.11E-09	6.15E-05	9.69E-09	3.81E-09	5.40E-05	8.50E-09	3.34E-09
4912	489863.09, 3862377.25	5.06E-05	7.97E-09	3.13E-09	6.19E-05	9.76E-09	3.83E-09	5.43E-05	8.56E-09	3.36E-09
4913	490363.09, 3862377.25	5.12E-05	8.06E-09	3.17E-09	6.27E-05	9.88E-09	3.88E-09	5.50E-05	8.66E-09	3.40E-09
4914	490863.09, 3862377.25	5.15E-05	8.11E-09	3.19E-09	6.31E-05	9.94E-09	3.90E-09	5.53E-05	8.72E-09	3.42E-09
4915	491363.09, 3862377.25	5.16E-05	8.12E-09	3.19E-09	6.31E-05	9.95E-09	3.91E-09	5.54E-05	8.72E-09	3.43E-09
4916	491863.09, 3862377.25	5.16E-05	8.13E-09	3.19E-09	6.32E-05	9.96E-09	3.91E-09	5.54E-05	8.73E-09	3.43E-09
4917	492363.09, 3862377.25	5.25E-05	8.28E-09	3.25E-09	6.44E-05	1.01E-08	3.98E-09	5.64E-05	8.89E-09	3.49E-09
4918	492863.09, 3862377.25	5.18E-05	8.16E-09	3.21E-09	6.34E-05	9.99E-09	3.93E-09	5.56E-05	8.76E-09	3.44E-09
4919	493363.09, 3862377.25	4.95E-05	7.80E-09	3.07E-09	6.07E-05	9.56E-09	3.75E-09	5.32E-05	8.38E-09	3.29E-09
4920	493863.09, 3862377.25	4.76E-05	7.49E-09	2.94E-09	5.83E-05	9.18E-09	3.61E-09	5.11E-05	8.05E-09	3.16E-09
4921	494363.09, 3862377.25	4.66E-05	7.35E-09	2.89E-09	5.71E-05	9.00E-09	3.54E-09	5.01E-05	7.89E-09	3.10E-09
4922	494863.09, 3862377.25	4.67E-05	7.36E-09	2.89E-09	5.72E-05	9.01E-09	3.54E-09	5.01E-05	7.90E-09	3.10E-09
4923	495363.09, 3862377.25	4.69E-05	7.39E-09	2.90E-09	5.74E-05	9.05E-09	3.56E-09	5.04E-05	7.93E-09	3.12E-09
4924	495863.09, 3862377.25	4.76E-05	7.50E-09	2.95E-09	5.83E-05	9.19E-09	3.61E-09	5.11E-05	8.06E-09	3.16E-09
4925	496363.09, 3862377.25	4.83E-05	7.60E-09	2.99E-09	5.91E-05	9.31E-09	3.66E-09	5.18E-05	8.16E-09	3.21E-09
4926	496863.09, 3862377.25	4.92E-05	7.75E-09	3.05E-09	6.03E-05	9.50E-09	3.73E-09	5.28E-05	8.32E-09	3.27E-09
4927	497363.09, 3862377.25	4.89E-05	7.71E-09	3.03E-09	5.99E-05	9.44E-09	3.71E-09	5.25E-05	8.27E-09	3.25E-09
4928	497863.09, 3862377.25	4.85E-05	7.63E-09	3.00E-09	5.93E-05	9.35E-09	3.67E-09	5.20E-05	8.19E-09	3.22E-09
4929	498363.09, 3862377.25	4.75E-05	7.48E-09	2.94E-09	5.81E-05	9.16E-09	3.60E-09	5.10E-05	8.03E-09	3.15E-09
4930	471363.09, 3862877.25	1.83E-05	2.88E-09	1.13E-09	2.24E-05	3.53E-09	1.39E-09	1.97E-05	3.10E-09	1.22E-09
4931	471863.09, 3862877.25	1.89E-05	2.98E-09	1.17E-09	2.32E-05	3.65E-09	1.43E-09	2.03E-05	3.20E-09	1.26E-09
4932	472363.09, 3862877.25	1.96E-05	3.08E-09	1.21E-09	2.40E-05	3.78E-09	1.48E-09	2.10E-05	3.31E-09	1.30E-09
4933	472863.09, 3862877.25	2.03E-05	3.20E-09	1.26E-09	2.48E-05	3.91E-09	1.54E-09	2.18E-05	3.43E-09	1.35E-09
4934	473363.09, 3862877.25	2.10E-05	3.31E-09	1.30E-09	2.57E-05	4.06E-09	1.59E-09	2.26E-05	3.56E-09	1.40E-09
4935	473863.09, 3862877.25	2.18E-05	3.44E-09	1.35E-09	2.67E-05	4.21E-09	1.65E-09	2.34E-05	3.69E-09	1.45E-09
4936	474363.09, 3862877.25	2.26E-05	3.57E-09	1.40E-09	2.77E-05	4.37E-09	1.72E-09	2.43E-05	3.83E-09	1.51E-09

4937	474863.09, 3862877.25	2.35E-05	3.70E-09	1.46E-09	2.88E-05	4.54E-09	1.78E-09	2.53E-05	3.98E-09	1.56E-09
4938	475363.09, 3862877.25	2.43E-05	3.83E-09	1.51E-09	2.98E-05	4.69E-09	1.84E-09	2.61E-05	4.12E-09	1.62E-09
4939	475863.09, 3862877.25	2.52E-05	3.97E-09	1.56E-09	3.09E-05	4.86E-09	1.91E-09	2.71E-05	4.26E-09	1.67E-09
4940	476363.09, 3862877.25	2.61E-05	4.11E-09	1.62E-09	3.20E-05	5.04E-09	1.98E-09	2.80E-05	4.42E-09	1.74E-09
4941	476863.09, 3862877.25	2.72E-05	4.28E-09	1.68E-09	3.33E-05	5.25E-09	2.06E-09	2.92E-05	4.60E-09	1.81E-09
4942	477363.09, 3862877.25	2.84E-05	4.48E-09	1.76E-09	3.48E-05	5.48E-09	2.15E-09	3.05E-05	4.81E-09	1.89E-09
4943	477863.09, 3862877.25	2.89E-05	4.55E-09	1.79E-09	3.53E-05	5.57E-09	2.19E-09	3.10E-05	4.88E-09	1.92E-09
4944	478363.09, 3862877.25	2.74E-05	4.32E-09	1.70E-09	3.36E-05	5.29E-09	2.08E-09	2.94E-05	4.64E-09	1.82E-09
4945	478863.09, 3862877.25	2.88E-05	4.54E-09	1.78E-09	3.53E-05	5.56E-09	2.18E-09	3.09E-05	4.87E-09	1.91E-09
4946	479363.09, 3862877.25	3.08E-05	4.85E-09	1.90E-09	3.77E-05	5.94E-09	2.33E-09	3.30E-05	5.21E-09	2.05E-09
4947	479863.09, 3862877.25	3.57E-05	5.62E-09	2.21E-09	4.37E-05	6.88E-09	2.70E-09	3.83E-05	6.04E-09	2.37E-09
4948	480363.09, 3862877.25	3.71E-05	5.85E-09	2.30E-09	4.54E-05	7.16E-09	2.81E-09	3.99E-05	6.28E-09	2.47E-09
4949	480863.09, 3862877.25	3.86E-05	6.08E-09	2.39E-09	4.73E-05	7.45E-09	2.93E-09	4.15E-05	6.53E-09	2.57E-09
4950	481363.09, 3862877.25	3.97E-05	6.26E-09	2.46E-09	4.87E-05	7.67E-09	3.01E-09	4.27E-05	6.73E-09	2.64E-09
4951	481863.09, 3862877.25	4.17E-05	6.57E-09	2.58E-09	5.11E-05	8.05E-09	3.16E-09	4.48E-05	7.06E-09	2.77E-09
4952	482363.09, 3862877.25	4.30E-05	6.77E-09	2.66E-09	5.26E-05	8.29E-09	3.26E-09	4.62E-05	7.27E-09	2.86E-09
4953	482863.09, 3862877.25	4.46E-05	7.03E-09	2.76E-09	5.46E-05	8.61E-09	3.38E-09	4.79E-05	7.55E-09	2.97E-09
4954	483363.09, 3862877.25	4.58E-05	7.21E-09	2.83E-09	5.60E-05	8.83E-09	3.47E-09	4.92E-05	7.74E-09	3.04E-09
4955	483863.09, 3862877.25	4.65E-05	7.33E-09	2.88E-09	5.70E-05	8.98E-09	3.53E-09	5.00E-05	7.87E-09	3.09E-09
4956	484363.09, 3862877.25	4.72E-05	7.43E-09	2.92E-09	5.78E-05	9.10E-09	3.58E-09	5.07E-05	7.98E-09	3.14E-09
4957	484863.09, 3862877.25	4.66E-05	7.35E-09	2.89E-09	5.71E-05	9.00E-09	3.53E-09	5.01E-05	7.89E-09	3.10E-09
4958	485363.09, 3862877.25	4.65E-05	7.32E-09	2.88E-09	5.69E-05	8.97E-09	3.52E-09	4.99E-05	7.87E-09	3.09E-09
4959	485863.09, 3862877.25	4.62E-05	7.29E-09	2.86E-09	5.66E-05	8.92E-09	3.51E-09	4.97E-05	7.83E-09	3.07E-09
4960	486363.09, 3862877.25	4.63E-05	7.29E-09	2.86E-09	5.67E-05	8.93E-09	3.51E-09	4.97E-05	7.83E-09	3.08E-09
4961	486863.09, 3862877.25	4.55E-05	7.17E-09	2.82E-09	5.57E-05	8.78E-09	3.45E-09	4.89E-05	7.70E-09	3.02E-09
4962	487363.09, 3862877.25	4.51E-05	7.10E-09	2.79E-09	5.52E-05	8.70E-09	3.42E-09	4.84E-05	7.63E-09	3.00E-09
4963	487863.09, 3862877.25	4.47E-05	7.04E-09	2.77E-09	5.47E-05	8.62E-09	3.39E-09	4.80E-05	7.57E-09	2.97E-09
4964	488363.09, 3862877.25	4.45E-05	7.01E-09	2.75E-09	5.45E-05	8.59E-09	3.37E-09	4.78E-05	7.53E-09	2.96E-09
4965	488863.09, 3862877.25	4.42E-05	6.96E-09	2.73E-09	5.41E-05	8.52E-09	3.35E-09	4.74E-05	7.47E-09	2.94E-09
4966	489363.09, 3862877.25	4.39E-05	6.91E-09	2.71E-09	5.37E-05	8.46E-09	3.32E-09	4.71E-05	7.42E-09	2.92E-09
4967	489863.09, 3862877.25	4.40E-05	6.93E-09	2.72E-09	5.38E-05	8.48E-09	3.33E-09	4.72E-05	7.44E-09	2.92E-09
4968	490363.09, 3862877.25	4.43E-05	6.98E-09	2.74E-09	5.43E-05	8.55E-09	3.36E-09	4.76E-05	7.50E-09	2.95E-09
4969	490863.09, 3862877.25	4.48E-05	7.05E-09	2.77E-09	5.48E-05	8.64E-09	3.39E-09	4.81E-05	7.57E-09	2.98E-09
4970	491363.09, 3862877.25	4.55E-05	7.16E-09	2.81E-09	5.57E-05	8.77E-09	3.45E-09	4.88E-05	7.69E-09	3.02E-09
4971	491863.09, 3862877.25	4.49E-05	7.07E-09	2.78E-09	5.50E-05	8.66E-09	3.40E-09	4.82E-05	7.60E-09	2.98E-09
4972	492363.09, 3862877.25	4.52E-05	7.12E-09	2.80E-09	5.54E-05	8.73E-09	3.43E-09	4.86E-05	7.65E-09	3.01E-09
4973	492863.09, 3862877.25	4.59E-05	7.23E-09	2.84E-09	5.62E-05	8.86E-09	3.48E-09	4.93E-05	7.77E-09	3.05E-09
4974	493363.09, 3862877.25	4.56E-05	7.19E-09	2.82E-09	5.59E-05	8.80E-09	3.46E-09	4.90E-05	7.72E-09	3.03E-09
4975	493863.09, 3862877.25	4.40E-05	6.93E-09	2.72E-09	5.39E-05	8.49E-09	3.34E-09	4.73E-05	7.44E-09	2.92E-09
4976	494363.09, 3862877.25	4.22E-05	6.64E-09	2.61E-09	5.16E-05	8.14E-09	3.20E-09	4.53E-05	7.13E-09	2.80E-09
4977	494863.09, 3862877.25	4.08E-05	6.43E-09	2.53E-09	5.00E-05	7.87E-09	3.09E-09	4.38E-05	6.90E-09	2.71E-09
4978	495363.09, 3862877.25	4.04E-05	6.36E-09	2.50E-09	4.95E-05	7.79E-09	3.06E-09	4.34E-05	6.83E-09	2.68E-09
4979	495863.09, 3862877.25	4.06E-05	6.39E-09	2.51E-09	4.97E-05	7.83E-09	3.08E-09	4.36E-05	6.86E-09	2.70E-09
4980	496363.09, 3862877.25	4.11E-05	6.47E-09	2.54E-09	5.03E-05	7.92E-09	3.11E-09	4.41E-05	6.94E-09	2.73E-09
4981	496863.09, 3862877.25	4.17E-05	6.56E-09	2.58E-09	5.10E-05	8.04E-09	3.16E-09	4.47E-05	7.05E-09	2.77E-09
4982	497363.09, 3862877.25	4.21E-05	6.63E-09	2.60E-09	5.15E-05	8.11E-09	3.19E-09	4.51E-05	7.11E-09	2.79E-09
4983	497863.09, 3862877.25	4.23E-05	6.67E-09	2.62E-09	5.18E-05	8.17E-09	3.21E-09	4.54E-05	7.16E-09	2.81E-09
4984	498363.09, 3862877.25	4.24E-05	6.68E-09	2.63E-09	5.20E-05	8.19E-09	3.22E-09	4.55E-05	7.18E-09	2.82E-09
4985	471363.09, 3863377.25	1.76E-05	2.77E-09	1.09E-09	2.15E-05	3.39E-09	1.33E-09	1.89E-05	2.97E-09	1.17E-09
4986	471863.09, 3863377.25	1.81E-05	2.86E-09	1.12E-09	2.22E-05	3.50E-09	1.37E-09	1.95E-05	3.07E-09	1.21E-09
4987	472363.09, 3863377.25	1.88E-05	2.95E-09	1.16E-09	2.30E-05	3.62E-09	1.42E-09	2.01E-05	3.17E-09	1.25E-09
4988	472863.09, 3863377.25	1.94E-05	3.05E-09	1.20E-09	2.37E-05	3.74E-09	1.47E-09	2.08E-05	3.28E-09	1.29E-09
4989	473363.09, 3863377.25	2.00E-05	3.15E-09	1.24E-09	2.45E-05	3.86E-09	1.52E-09	2.15E-05	3.39E-09	1.33E-09
4990	473863.09, 3863377.25	2.07E-05	3.26E-09	1.28E-09	2.54E-05	3.99E-09	1.57E-09	2.22E-05	3.50E-09	1.38E-09
4991	474363.09, 3863377.25	2.14E-05	3.37E-09	1.32E-09	2.62E-05	4.13E-09	1.62E-09	2.30E-05	3.62E-09	1.42E-09
4992	474863.09, 3863377.25	2.20E-05	3.47E-09	1.36E-09	2.70E-05	4.25E-09	1.67E-09	2.37E-05	3.73E-09	1.46E-09
4993	475363.09, 3863377.25	2.28E-05	3.59E-09	1.41E-09	2.79E-05	4.39E-09	1.73E-09	2.44E-05	3.85E-09	1.51E-09
4994	475863.09, 3863377.25	2.35E-05	3.70E-09	1.46E-09	2.88E-05	4.54E-09	1.78E-09	2.52E-05	3.98E-09	1.56E-09
4995	476363.09, 3863377.25	2.43E-05	3.84E-09	1.51E-09	2.98E-05	4.70E-09	1.85E-09	2.61E-05	4.12E-09	1.62E-09
4996	476863.09, 3863377.25	2.53E-05	3.99E-09	1.57E-09	3.10E-05	4.89E-09	1.92E-09	2.72E-05	4.28E-09	1.68E-09
4997	477363.09, 3863377.25	2.65E-05	4.17E-09	1.64E-09	3.24E-05	5.11E-09	2.01E-09	2.84E-05	4.48E-09	1.76E-09
4998	477863.09, 3863377.25	2.76E-05	4.34E-09	1.71E-09	3.38E-05	5.32E-09	2.09E-09	2.96E-05	4.66E-09	1.83E-09
4999	478363.09, 3863377.25	2.80E-05	4.41E-09	1.73E-09	3.43E-05	5.41E-09	2.12E-09	3.01E-05	4.74E-09	1.86E-09
5000	478863.09, 3863377.25	2.97E-05	4.68E-09	1.84E-09	3.64E-05	5.73E-09	2.25E-09	3.19E-05	5.03E-09	1.98E-09
5001	479363.09, 3863377.25	3.16E-05	4.98E-09	1.96E-09	3.88E-05	6.11E-09	2.40E-09	3.40E-05	5.35E-09	2.10E-09

5002	479863.09, 3863377.25	3.27E-05	5.15E-09	2.02E-09	4.01E-05	6.31E-09	2.48E-09	3.51E-05	5.53E-09	2.17E-09
5003	480363.09, 3863377.25	3.39E-05	5.34E-09	2.10E-09	4.15E-05	6.54E-09	2.57E-09	3.64E-05	5.74E-09	2.25E-09
5004	480863.09, 3863377.25	3.51E-05	5.53E-09	2.17E-09	4.30E-05	6.78E-09	2.66E-09	3.78E-05	5.95E-09	2.34E-09
5005	481363.09, 3863377.25	3.61E-05	5.69E-09	2.23E-09	4.42E-05	6.96E-09	2.74E-09	3.88E-05	6.11E-09	2.40E-09
5006	481863.09, 3863377.25	3.75E-05	5.91E-09	2.32E-09	4.60E-05	7.24E-09	2.84E-09	4.03E-05	6.35E-09	2.50E-09
5007	482363.09, 3863377.25	3.90E-05	6.14E-09	2.41E-09	4.78E-05	7.52E-09	2.96E-09	4.19E-05	6.60E-09	2.59E-09
5008	482863.09, 3863377.25	4.00E-05	6.29E-09	2.47E-09	4.89E-05	7.71E-09	3.03E-09	4.29E-05	6.76E-09	2.66E-09
5009	483363.09, 3863377.25	4.08E-05	6.43E-09	2.53E-09	5.00E-05	7.88E-09	3.09E-09	4.38E-05	6.91E-09	2.71E-09
5010	483863.09, 3863377.25	4.15E-05	6.53E-09	2.57E-09	5.08E-05	8.00E-09	3.14E-09	4.45E-05	7.02E-09	2.76E-09
5011	484363.09, 3863377.25	4.16E-05	6.56E-09	2.58E-09	5.10E-05	8.04E-09	3.16E-09	4.47E-05	7.05E-09	2.77E-09
5012	484863.09, 3863377.25	4.16E-05	6.55E-09	2.57E-09	5.09E-05	8.02E-09	3.15E-09	4.47E-05	7.04E-09	2.77E-09
5013	485363.09, 3863377.25	4.11E-05	6.48E-09	2.55E-09	5.04E-05	7.93E-09	3.12E-09	4.42E-05	6.96E-09	2.73E-09
5014	485863.09, 3863377.25	4.10E-05	6.45E-09	2.53E-09	5.02E-05	7.90E-09	3.10E-09	4.40E-05	6.93E-09	2.72E-09
5015	486363.09, 3863377.25	4.07E-05	6.41E-09	2.52E-09	4.99E-05	7.86E-09	3.09E-09	4.37E-05	6.89E-09	2.71E-09
5016	486863.09, 3863377.25	4.04E-05	6.37E-09	2.50E-09	4.95E-05	7.80E-09	3.06E-09	4.34E-05	6.84E-09	2.69E-09
5017	487363.09, 3863377.25	4.00E-05	6.30E-09	2.48E-09	4.90E-05	7.72E-09	3.03E-09	4.30E-05	6.77E-09	2.66E-09
5018	487863.09, 3863377.25	3.96E-05	6.23E-09	2.45E-09	4.85E-05	7.64E-09	3.00E-09	4.25E-05	6.70E-09	2.63E-09
5019	488363.09, 3863377.25	3.94E-05	6.21E-09	2.44E-09	4.82E-05	7.60E-09	2.99E-09	4.23E-05	6.67E-09	2.62E-09
5020	488863.09, 3863377.25	3.92E-05	6.17E-09	2.43E-09	4.80E-05	7.56E-09	2.97E-09	4.21E-05	6.63E-09	2.60E-09
5021	489363.09, 3863377.25	3.88E-05	6.11E-09	2.40E-09	4.75E-05	7.48E-09	2.94E-09	4.17E-05	6.56E-09	2.58E-09
5022	489863.09, 3863377.25	3.87E-05	6.09E-09	2.39E-09	4.73E-05	7.46E-09	2.93E-09	4.15E-05	6.54E-09	2.57E-09
5023	490363.09, 3863377.25	3.88E-05	6.12E-09	2.40E-09	4.76E-05	7.49E-09	2.94E-09	4.17E-05	6.57E-09	2.58E-09
5024	490863.09, 3863377.25	3.94E-05	6.21E-09	2.44E-09	4.83E-05	7.61E-09	2.99E-09	4.23E-05	6.67E-09	2.62E-09
5025	491363.09, 3863377.25	3.96E-05	6.24E-09	2.45E-09	4.85E-05	7.64E-09	3.00E-09	4.25E-05	6.70E-09	2.63E-09
5026	491863.09, 3863377.25	3.97E-05	6.26E-09	2.46E-09	4.87E-05	7.67E-09	3.01E-09	4.27E-05	6.72E-09	2.64E-09
5027	492363.09, 3863377.25	4.02E-05	6.33E-09	2.49E-09	4.92E-05	7.75E-09	3.04E-09	4.31E-05	6.79E-09	2.67E-09
5028	492863.09, 3863377.25	4.13E-05	6.50E-09	2.56E-09	5.06E-05	7.97E-09	3.13E-09	4.43E-05	6.98E-09	2.74E-09
5029	493363.09, 3863377.25	4.26E-05	6.71E-09	2.64E-09	5.22E-05	8.22E-09	3.23E-09	4.57E-05	7.20E-09	2.83E-09
5030	493863.09, 3863377.25	4.22E-05	6.66E-09	2.61E-09	5.17E-05	8.15E-09	3.20E-09	4.54E-05	7.15E-09	2.81E-09
5031	494363.09, 3863377.25	4.03E-05	6.34E-09	2.49E-09	4.93E-05	7.77E-09	3.05E-09	4.32E-05	6.81E-09	2.68E-09
5032	494863.09, 3863377.25	3.87E-05	6.09E-09	2.39E-09	4.74E-05	7.46E-09	2.93E-09	4.15E-05	6.54E-09	2.57E-09
5033	495363.09, 3863377.25	3.79E-05	5.97E-09	2.34E-09	4.64E-05	7.31E-09	2.87E-09	4.07E-05	6.41E-09	2.52E-09
5034	495863.09, 3863377.25	3.75E-05	5.92E-09	2.32E-09	4.60E-05	7.24E-09	2.85E-09	4.03E-05	6.35E-09	2.50E-09
5035	496363.09, 3863377.25	3.62E-05	5.70E-09	2.24E-09	4.43E-05	6.98E-09	2.74E-09	3.89E-05	6.12E-09	2.40E-09
5036	496863.09, 3863377.25	3.57E-05	5.62E-09	2.21E-09	4.37E-05	6.89E-09	2.71E-09	3.83E-05	6.04E-09	2.37E-09
5037	497363.09, 3863377.25	3.61E-05	5.69E-09	2.24E-09	4.43E-05	6.97E-09	2.74E-09	3.88E-05	6.11E-09	2.40E-09
5038	497863.09, 3863377.25	3.68E-05	5.79E-09	2.28E-09	4.50E-05	7.09E-09	2.79E-09	3.95E-05	6.22E-09	2.44E-09
5039	498363.09, 3863377.25	3.72E-05	5.86E-09	2.30E-09	4.56E-05	7.18E-09	2.82E-09	3.99E-05	6.29E-09	2.47E-09
5040	471363.09, 3863877.25	1.68E-05	2.65E-09	1.04E-09	2.06E-05	3.25E-09	1.28E-09	1.81E-05	2.85E-09	1.12E-09
5041	471863.09, 3863877.25	1.74E-05	2.74E-09	1.08E-09	2.13E-05	3.36E-09	1.32E-09	1.87E-05	2.94E-09	1.16E-09
5042	472363.09, 3863877.25	1.79E-05	2.82E-09	1.11E-09	2.19E-05	3.45E-09	1.36E-09	1.92E-05	3.03E-09	1.19E-09
5043	472863.09, 3863877.25	1.84E-05	2.90E-09	1.14E-09	2.26E-05	3.56E-09	1.40E-09	1.98E-05	3.12E-09	1.23E-09
5044	473363.09, 3863877.25	1.90E-05	2.99E-09	1.17E-09	2.32E-05	3.66E-09	1.44E-09	2.04E-05	3.21E-09	1.26E-09
5045	473863.09, 3863877.25	1.95E-05	3.08E-09	1.21E-09	2.39E-05	3.77E-09	1.48E-09	2.10E-05	3.31E-09	1.30E-09
5046	474363.09, 3863877.25	2.01E-05	3.16E-09	1.24E-09	2.46E-05	3.87E-09	1.52E-09	2.16E-05	3.40E-09	1.33E-09
5047	474863.09, 3863877.25	2.06E-05	3.24E-09	1.27E-09	2.52E-05	3.97E-09	1.56E-09	2.21E-05	3.48E-09	1.37E-09
5048	475363.09, 3863877.25	2.12E-05	3.35E-09	1.32E-09	2.60E-05	4.10E-09	1.61E-09	2.28E-05	3.60E-09	1.41E-09
5049	475863.09, 3863877.25	2.19E-05	3.45E-09	1.36E-09	2.68E-05	4.23E-09	1.66E-09	2.35E-05	3.71E-09	1.46E-09
5050	476363.09, 3863877.25	2.28E-05	3.59E-09	1.41E-09	2.79E-05	4.39E-09	1.73E-09	2.45E-05	3.85E-09	1.51E-09
5051	476863.09, 3863877.25	2.37E-05	3.73E-09	1.47E-09	2.90E-05	4.57E-09	1.80E-09	2.55E-05	4.01E-09	1.58E-09
5052	477363.09, 3863877.25	2.47E-05	3.90E-09	1.53E-09	3.03E-05	4.78E-09	1.88E-09	2.66E-05	4.19E-09	1.65E-09
5053	477863.09, 3863877.25	2.59E-05	4.09E-09	1.61E-09	3.18E-05	5.01E-09	1.97E-09	2.79E-05	4.39E-09	1.72E-09
5054	478363.09, 3863877.25	2.70E-05	4.25E-09	1.67E-09	3.31E-05	5.21E-09	2.05E-09	2.90E-05	4.57E-09	1.79E-09
5055	478863.09, 3863877.25	2.83E-05	4.45E-09	1.75E-09	3.46E-05	5.45E-09	2.14E-09	3.04E-05	4.78E-09	1.88E-09
5056	479363.09, 3863877.25	2.92E-05	4.60E-09	1.81E-09	3.58E-05	5.64E-09	2.21E-09	3.14E-05	4.94E-09	1.94E-09
5057	479863.09, 3863877.25	3.02E-05	4.76E-09	1.87E-09	3.70E-05	5.83E-09	2.29E-09	3.24E-05	5.11E-09	2.01E-09
5058	480363.09, 3863877.25	3.11E-05	4.91E-09	1.93E-09	3.81E-05	6.01E-09	2.36E-09	3.35E-05	5.27E-09	2.07E-09
5059	480863.09, 3863877.25	3.22E-05	5.07E-09	1.99E-09	3.94E-05	6.21E-09	2.44E-09	3.46E-05	5.45E-09	2.14E-09
5060	481363.09, 3863877.25	3.32E-05	5.23E-09	2.05E-09	4.06E-05	6.40E-09	2.52E-09	3.57E-05	5.62E-09	2.21E-09
5061	481863.09, 3863877.25	3.43E-05	5.41E-09	2.12E-09	4.20E-05	6.62E-09	2.60E-09	3.69E-05	5.81E-09	2.28E-09
5062	482363.09, 3863877.25	3.54E-05	5.58E-09	2.19E-09	4.34E-05	6.84E-09	2.69E-09	3.81E-05	6.00E-09	2.36E-09
5063	482863.09, 3863877.25	3.61E-05	5.69E-09	2.23E-09	4.42E-05	6.96E-09	2.74E-09	3.88E-05	6.11E-09	2.40E-09
5064	483363.09, 3863877.25	3.67E-05	5.78E-09	2.27E-09	4.49E-05	7.08E-09	2.78E-09	3.94E-05	6.21E-09	2.44E-09
5065	483863.09, 3863877.25	3.72E-05	5.86E-09	2.30E-09	4.56E-05	7.18E-09	2.82E-09	4.00E-05	6.30E-09	2.47E-09
5066	484363.09, 3863877.25	3.72E-05	5.86E-09	2.30E-09	4.56E-05	7.18E-09	2.82E-09	4.00E-05	6.30E-09	2.47E-09

5067	484863.09, 3863877.25	3.71E-05	5.84E-09	2.29E-09	4.54E-05	7.15E-09	2.81E-09	3.99E-05	6.28E-09	2.47E-09
5068	485363.09, 3863877.25	3.69E-05	5.81E-09	2.28E-09	4.52E-05	7.11E-09	2.79E-09	3.96E-05	6.24E-09	2.45E-09
5069	485863.09, 3863877.25	3.67E-05	5.79E-09	2.27E-09	4.50E-05	7.09E-09	2.78E-09	3.95E-05	6.22E-09	2.44E-09
5070	486363.09, 3863877.25	3.62E-05	5.71E-09	2.24E-09	4.44E-05	6.99E-09	2.75E-09	3.89E-05	6.13E-09	2.41E-09
5071	486863.09, 3863877.25	3.60E-05	5.67E-09	2.23E-09	4.41E-05	6.94E-09	2.73E-09	3.86E-05	6.09E-09	2.39E-09
5072	487363.09, 3863877.25	3.57E-05	5.62E-09	2.21E-09	4.37E-05	6.89E-09	2.71E-09	3.84E-05	6.04E-09	2.37E-09
5073	487863.09, 3863877.25	3.54E-05	5.57E-09	2.19E-09	4.33E-05	6.82E-09	2.68E-09	3.80E-05	5.99E-09	2.35E-09
5074	488363.09, 3863877.25	3.53E-05	5.56E-09	2.18E-09	4.32E-05	6.81E-09	2.68E-09	3.79E-05	5.97E-09	2.35E-09
5075	488863.09, 3863877.25	3.51E-05	5.53E-09	2.17E-09	4.30E-05	6.77E-09	2.66E-09	3.77E-05	5.94E-09	2.33E-09
5076	489363.09, 3863877.25	3.47E-05	5.47E-09	2.15E-09	4.25E-05	6.70E-09	2.63E-09	3.73E-05	5.88E-09	2.31E-09
5077	489863.09, 3863877.25	3.45E-05	5.44E-09	2.14E-09	4.23E-05	6.66E-09	2.62E-09	3.71E-05	5.84E-09	2.30E-09
5078	490363.09, 3863877.25	3.45E-05	5.44E-09	2.14E-09	4.23E-05	6.66E-09	2.62E-09	3.71E-05	5.84E-09	2.29E-09
5079	490863.09, 3863877.25	3.48E-05	5.49E-09	2.16E-09	4.27E-05	6.72E-09	2.64E-09	3.74E-05	5.89E-09	2.32E-09
5080	491363.09, 3863877.25	3.52E-05	5.55E-09	2.18E-09	4.31E-05	6.79E-09	2.67E-09	3.78E-05	5.96E-09	2.34E-09
5081	491863.09, 3863877.25	3.65E-05	5.74E-09	2.26E-09	4.46E-05	7.03E-09	2.76E-09	3.92E-05	6.17E-09	2.42E-09
5082	492363.09, 3863877.25	3.74E-05	5.89E-09	2.31E-09	4.58E-05	7.22E-09	2.83E-09	4.02E-05	6.33E-09	2.49E-09
5083	492863.09, 3863877.25	3.75E-05	5.90E-09	2.32E-09	4.59E-05	7.23E-09	2.84E-09	4.02E-05	6.34E-09	2.49E-09
5084	493363.09, 3863877.25	3.75E-05	5.91E-09	2.32E-09	4.60E-05	7.24E-09	2.84E-09	4.03E-05	6.35E-09	2.49E-09
5085	493863.09, 3863877.25	3.84E-05	6.05E-09	2.38E-09	4.71E-05	7.41E-09	2.91E-09	4.13E-05	6.50E-09	2.55E-09
5086	494363.09, 3863877.25	3.82E-05	6.01E-09	2.36E-09	4.67E-05	7.36E-09	2.89E-09	4.10E-05	6.45E-09	2.54E-09
5087	494863.09, 3863877.25	3.67E-05	5.79E-09	2.27E-09	4.50E-05	7.09E-09	2.78E-09	3.94E-05	6.21E-09	2.44E-09
5088	495363.09, 3863877.25	3.52E-05	5.54E-09	2.18E-09	4.31E-05	6.78E-09	2.66E-09	3.77E-05	5.95E-09	2.34E-09
5089	495863.09, 3863877.25	3.41E-05	5.37E-09	2.11E-09	4.18E-05	6.58E-09	2.59E-09	3.66E-05	5.77E-09	2.27E-09
5090	496363.09, 3863877.25	3.31E-05	5.22E-09	2.05E-09	4.06E-05	6.39E-09	2.51E-09	3.56E-05	5.60E-09	2.20E-09
5091	496863.09, 3863877.25	3.25E-05	5.11E-09	2.01E-09	3.98E-05	6.26E-09	2.46E-09	3.49E-05	5.49E-09	2.16E-09
5092	497363.09, 3863877.25	3.22E-05	5.06E-09	1.99E-09	3.94E-05	6.20E-09	2.44E-09	3.45E-05	5.44E-09	2.14E-09
5093	497863.09, 3863877.25	3.23E-05	5.08E-09	2.00E-09	3.95E-05	6.23E-09	2.45E-09	3.47E-05	5.46E-09	2.14E-09
5094	498363.09, 3863877.25	3.25E-05	5.12E-09	2.01E-09	3.98E-05	6.27E-09	2.46E-09	3.49E-05	5.49E-09	2.16E-09
5095	471363.09, 3864377.25	1.61E-05	2.54E-09	9.98E-10	1.98E-05	3.11E-09	1.22E-09	1.73E-05	2.73E-09	1.07E-09
5096	471863.09, 3864377.25	1.66E-05	2.61E-09	1.03E-09	2.03E-05	3.20E-09	1.26E-09	1.78E-05	2.81E-09	1.10E-09
5097	472363.09, 3864377.25	1.70E-05	2.69E-09	1.05E-09	2.09E-05	3.29E-09	1.29E-09	1.83E-05	2.88E-09	1.13E-09
5098	472863.09, 3864377.25	1.75E-05	2.76E-09	1.08E-09	2.14E-05	3.38E-09	1.33E-09	1.88E-05	2.96E-09	1.16E-09
5099	473363.09, 3864377.25	1.79E-05	2.82E-09	1.11E-09	2.19E-05	3.46E-09	1.36E-09	1.92E-05	3.03E-09	1.19E-09
5100	473863.09, 3864377.25	1.83E-05	2.89E-09	1.13E-09	2.25E-05	3.54E-09	1.39E-09	1.97E-05	3.10E-09	1.22E-09
5101	474363.09, 3864377.25	1.88E-05	2.96E-09	1.16E-09	2.30E-05	3.63E-09	1.43E-09	2.02E-05	3.18E-09	1.25E-09
5102	474863.09, 3864377.25	1.93E-05	3.04E-09	1.19E-09	2.36E-05	3.72E-09	1.46E-09	2.07E-05	3.26E-09	1.28E-09
5103	475363.09, 3864377.25	1.99E-05	3.14E-09	1.23E-09	2.44E-05	3.84E-09	1.51E-09	2.14E-05	3.37E-09	1.32E-09
5104	475863.09, 3864377.25	2.06E-05	3.25E-09	1.28E-09	2.52E-05	3.98E-09	1.56E-09	2.21E-05	3.49E-09	1.37E-09
5105	476363.09, 3864377.25	2.15E-05	3.38E-09	1.33E-09	2.63E-05	4.14E-09	1.63E-09	2.31E-05	3.63E-09	1.43E-09
5106	476863.09, 3864377.25	2.24E-05	3.53E-09	1.39E-09	2.74E-05	4.32E-09	1.70E-09	2.40E-05	3.79E-09	1.49E-09
5107	477363.09, 3864377.25	2.32E-05	3.65E-09	1.44E-09	2.84E-05	4.48E-09	1.76E-09	2.49E-05	3.93E-09	1.54E-09
5108	477863.09, 3864377.25	2.41E-05	3.80E-09	1.49E-09	2.95E-05	4.65E-09	1.83E-09	2.59E-05	4.08E-09	1.60E-09
5109	478363.09, 3864377.25	2.51E-05	3.95E-09	1.55E-09	3.07E-05	4.84E-09	1.90E-09	2.69E-05	4.24E-09	1.67E-09
5110	478863.09, 3864377.25	2.61E-05	4.10E-09	1.61E-09	3.19E-05	5.03E-09	1.98E-09	2.80E-05	4.41E-09	1.73E-09
5111	479363.09, 3864377.25	2.69E-05	4.24E-09	1.67E-09	3.30E-05	5.20E-09	2.04E-09	2.89E-05	4.56E-09	1.79E-09
5112	479863.09, 3864377.25	2.79E-05	4.40E-09	1.73E-09	3.42E-05	5.39E-09	2.12E-09	3.00E-05	4.73E-09	1.86E-09
5113	480363.09, 3864377.25	2.89E-05	4.55E-09	1.79E-09	3.54E-05	5.58E-09	2.19E-09	3.11E-05	4.89E-09	1.92E-09
5114	480863.09, 3864377.25	2.96E-05	4.66E-09	1.83E-09	3.62E-05	5.71E-09	2.24E-09	3.18E-05	5.01E-09	1.97E-09
5115	481363.09, 3864377.25	3.04E-05	4.79E-09	1.88E-09	3.73E-05	5.87E-09	2.31E-09	3.27E-05	5.15E-09	2.02E-09
5116	481863.09, 3864377.25	3.14E-05	4.95E-09	1.94E-09	3.85E-05	6.06E-09	2.38E-09	3.37E-05	5.31E-09	2.09E-09
5117	482363.09, 3864377.25	3.22E-05	5.07E-09	1.99E-09	3.94E-05	6.21E-09	2.44E-09	3.46E-05	5.44E-09	2.14E-09
5118	482863.09, 3864377.25	3.27E-05	5.16E-09	2.03E-09	4.01E-05	6.32E-09	2.48E-09	3.52E-05	5.54E-09	2.18E-09
5119	483363.09, 3864377.25	3.31E-05	5.22E-09	2.05E-09	4.06E-05	6.39E-09	2.51E-09	3.56E-05	5.61E-09	2.20E-09
5120	483863.09, 3864377.25	3.34E-05	5.26E-09	2.07E-09	4.09E-05	6.45E-09	2.53E-09	3.59E-05	5.65E-09	2.22E-09
5121	484363.09, 3864377.25	3.35E-05	5.27E-09	2.07E-09	4.10E-05	6.46E-09	2.54E-09	3.60E-05	5.66E-09	2.23E-09
5122	484863.09, 3864377.25	3.33E-05	5.24E-09	2.06E-09	4.07E-05	6.42E-09	2.52E-09	3.57E-05	5.63E-09	2.21E-09
5123	485363.09, 3864377.25	3.31E-05	5.22E-09	2.05E-09	4.05E-05	6.39E-09	2.51E-09	3.56E-05	5.60E-09	2.20E-09
5124	485863.09, 3864377.25	3.28E-05	5.17E-09	2.03E-09	4.02E-05	6.34E-09	2.49E-09	3.53E-05	5.56E-09	2.18E-09
5125	486363.09, 3864377.25	3.25E-05	5.12E-09	2.01E-09	3.98E-05	6.28E-09	2.47E-09	3.49E-05	5.50E-09	2.16E-09
5126	486863.09, 3864377.25	3.24E-05	5.10E-09	2.00E-09	3.96E-05	6.24E-09	2.45E-09	3.48E-05	5.48E-09	2.15E-09
5127	487363.09, 3864377.25	3.22E-05	5.07E-09	1.99E-09	3.94E-05	6.21E-09	2.44E-09	3.46E-05	5.45E-09	2.14E-09
5128	487863.09, 3864377.25	3.19E-05	5.03E-09	1.97E-09	3.91E-05	6.16E-09	2.42E-09	3.43E-05	5.40E-09	2.12E-09
5129	488363.09, 3864377.25	3.18E-05	5.01E-09	1.97E-09	3.89E-05	6.13E-09	2.41E-09	3.42E-05	5.38E-09	2.11E-09
5130	488863.09, 3864377.25	3.17E-05	5.00E-09	1.96E-09	3.89E-05	6.12E-09	2.41E-09	3.41E-05	5.37E-09	2.11E-09
5131	489363.09, 3864377.25	3.14E-05	4.95E-09	1.94E-09	3.85E-05	6.06E-09	2.38E-09	3.37E-05	5.32E-09	2.09E-09

5132	489863.09, 3864377.25	3.12E-05	4.91E-09	1.93E-09	3.82E-05	6.01E-09	2.36E-09	3.35E-05	5.27E-09	2.07E-09
5133	490363.09, 3864377.25	3.11E-05	4.90E-09	1.92E-09	3.81E-05	6.00E-09	2.36E-09	3.34E-05	5.26E-09	2.07E-09
5134	490863.09, 3864377.25	3.14E-05	4.95E-09	1.94E-09	3.85E-05	6.06E-09	2.38E-09	3.38E-05	5.32E-09	2.09E-09
5135	491363.09, 3864377.25	3.30E-05	5.20E-09	2.04E-09	4.04E-05	6.37E-09	2.50E-09	3.54E-05	5.58E-09	2.19E-09
5136	491863.09, 3864377.25	2.38E-05	3.76E-09	1.48E-09	2.92E-05	4.60E-09	1.81E-09	2.56E-05	4.03E-09	1.58E-09
5137	492363.09, 3864377.25	3.27E-05	5.15E-09	2.02E-09	4.00E-05	6.30E-09	2.48E-09	3.51E-05	5.53E-09	2.17E-09
5138	492863.09, 3864377.25	2.79E-05	4.39E-09	1.72E-09	3.41E-05	5.38E-09	2.11E-09	2.99E-05	4.71E-09	1.85E-09
5139	493363.09, 3864377.25	3.15E-05	4.96E-09	1.95E-09	3.85E-05	6.07E-09	2.38E-09	3.38E-05	5.32E-09	2.09E-09
5140	493863.09, 3864377.25	3.33E-05	5.24E-09	2.06E-09	4.07E-05	6.42E-09	2.52E-09	3.57E-05	5.63E-09	2.21E-09
5141	494363.09, 3864377.25	3.46E-05	5.44E-09	2.14E-09	4.23E-05	6.67E-09	2.62E-09	3.71E-05	5.84E-09	2.30E-09
5142	494863.09, 3864377.25	3.44E-05	5.42E-09	2.13E-09	4.22E-05	6.64E-09	2.61E-09	3.70E-05	5.82E-09	2.29E-09
5143	495363.09, 3864377.25	3.33E-05	5.24E-09	2.06E-09	4.07E-05	6.42E-09	2.52E-09	3.57E-05	5.63E-09	2.21E-09
5144	495863.09, 3864377.25	3.19E-05	5.02E-09	1.97E-09	3.90E-05	6.15E-09	2.42E-09	3.42E-05	5.39E-09	2.12E-09
5145	496363.09, 3864377.25	3.07E-05	4.84E-09	1.90E-09	3.76E-05	5.93E-09	2.33E-09	3.30E-05	5.19E-09	2.04E-09
5146	496863.09, 3864377.25	3.00E-05	4.73E-09	1.86E-09	3.68E-05	5.79E-09	2.27E-09	3.22E-05	5.08E-09	1.99E-09
5147	497363.09, 3864377.25	2.94E-05	4.64E-09	1.82E-09	3.61E-05	5.68E-09	2.23E-09	3.16E-05	4.98E-09	1.96E-09
5148	497863.09, 3864377.25	2.95E-05	4.65E-09	1.82E-09	3.61E-05	5.69E-09	2.24E-09	3.17E-05	4.99E-09	1.96E-09
5149	498363.09, 3864377.25	2.91E-05	4.58E-09	1.80E-09	3.56E-05	5.61E-09	2.20E-09	3.12E-05	4.92E-09	1.93E-09
5150	471363.09, 3864877.25	1.54E-05	2.42E-09	9.51E-10	1.88E-05	2.97E-09	1.16E-09	1.65E-05	2.60E-09	1.02E-09
5151	471863.09, 3864877.25	1.58E-05	2.48E-09	9.75E-10	1.93E-05	3.04E-09	1.19E-09	1.69E-05	2.67E-09	1.05E-09
5152	472363.09, 3864877.25	1.61E-05	2.54E-09	9.99E-10	1.98E-05	3.12E-09	1.22E-09	1.73E-05	2.73E-09	1.07E-09
5153	472863.09, 3864877.25	1.65E-05	2.60E-09	1.02E-09	2.02E-05	3.19E-09	1.25E-09	1.77E-05	2.79E-09	1.10E-09
5154	473363.09, 3864877.25	1.68E-05	2.65E-09	1.04E-09	2.06E-05	3.25E-09	1.28E-09	1.81E-05	2.85E-09	1.12E-09
5155	473863.09, 3864877.25	1.72E-05	2.71E-09	1.06E-09	2.11E-05	3.32E-09	1.30E-09	1.85E-05	2.91E-09	1.14E-09
5156	474363.09, 3864877.25	1.76E-05	2.78E-09	1.09E-09	2.16E-05	3.40E-09	1.34E-09	1.90E-05	2.99E-09	1.17E-09
5157	474863.09, 3864877.25	1.82E-05	2.86E-09	1.12E-09	2.22E-05	3.50E-09	1.38E-09	1.95E-05	3.07E-09	1.21E-09
5158	475363.09, 3864877.25	1.88E-05	2.96E-09	1.16E-09	2.30E-05	3.62E-09	1.42E-09	2.02E-05	3.18E-09	1.25E-09
5159	475863.09, 3864877.25	1.95E-05	3.07E-09	1.20E-09	2.38E-05	3.76E-09	1.48E-09	2.09E-05	3.29E-09	1.29E-09
5160	476363.09, 3864877.25	2.02E-05	3.19E-09	1.25E-09	2.48E-05	3.91E-09	1.53E-09	2.17E-05	3.43E-09	1.35E-09
5161	476863.09, 3864877.25	2.11E-05	3.33E-09	1.31E-09	2.59E-05	4.07E-09	1.60E-09	2.27E-05	3.57E-09	1.40E-09
5162	477363.09, 3864877.25	2.18E-05	3.44E-09	1.35E-09	2.67E-05	4.21E-09	1.65E-09	2.34E-05	3.69E-09	1.45E-09
5163	477863.09, 3864877.25	2.26E-05	3.56E-09	1.40E-09	2.77E-05	4.36E-09	1.71E-09	2.43E-05	3.82E-09	1.50E-09
5164	478363.09, 3864877.25	2.34E-05	3.69E-09	1.45E-09	2.87E-05	4.52E-09	1.77E-09	2.52E-05	3.96E-09	1.56E-09
5165	478863.09, 3864877.25	2.42E-05	3.82E-09	1.50E-09	2.97E-05	4.68E-09	1.84E-09	2.60E-05	4.10E-09	1.61E-09
5166	479363.09, 3864877.25	2.51E-05	3.95E-09	1.55E-09	3.07E-05	4.84E-09	1.90E-09	2.70E-05	4.25E-09	1.67E-09
5167	479863.09, 3864877.25	2.59E-05	4.08E-09	1.60E-09	3.17E-05	5.00E-09	1.96E-09	2.78E-05	4.39E-09	1.72E-09
5168	480363.09, 3864877.25	2.67E-05	4.21E-09	1.65E-09	3.27E-05	5.16E-09	2.03E-09	2.87E-05	4.52E-09	1.78E-09
5169	480863.09, 3864877.25	2.73E-05	4.30E-09	1.69E-09	3.35E-05	5.27E-09	2.07E-09	2.93E-05	4.62E-09	1.82E-09
5170	481363.09, 3864877.25	2.80E-05	4.42E-09	1.73E-09	3.43E-05	5.41E-09	2.12E-09	3.01E-05	4.74E-09	1.86E-09
5171	481863.09, 3864877.25	2.87E-05	4.52E-09	1.78E-09	3.51E-05	5.54E-09	2.18E-09	3.08E-05	4.86E-09	1.91E-09
5172	482363.09, 3864877.25	2.93E-05	4.62E-09	1.82E-09	3.59E-05	5.66E-09	2.22E-09	3.15E-05	4.96E-09	1.95E-09
5173	482863.09, 3864877.25	2.98E-05	4.70E-09	1.85E-09	3.65E-05	5.75E-09	2.26E-09	3.20E-05	5.05E-09	1.98E-09
5174	483363.09, 3864877.25	3.01E-05	4.75E-09	1.87E-09	3.69E-05	5.82E-09	2.28E-09	3.24E-05	5.10E-09	2.00E-09
5175	483863.09, 3864877.25	3.02E-05	4.76E-09	1.87E-09	3.70E-05	5.83E-09	2.29E-09	3.24E-05	5.11E-09	2.01E-09
5176	484363.09, 3864877.25	3.03E-05	4.77E-09	1.87E-09	3.71E-05	5.84E-09	2.29E-09	3.25E-05	5.12E-09	2.01E-09
5177	484863.09, 3864877.25	3.02E-05	4.75E-09	1.87E-09	3.70E-05	5.82E-09	2.29E-09	3.24E-05	5.11E-09	2.01E-09
5178	485363.09, 3864877.25	3.01E-05	4.74E-09	1.86E-09	3.68E-05	5.80E-09	2.28E-09	3.23E-05	5.09E-09	2.00E-09
5179	485863.09, 3864877.25	2.97E-05	4.68E-09	1.84E-09	3.64E-05	5.73E-09	2.25E-09	3.19E-05	5.02E-09	1.97E-09
5180	486363.09, 3864877.25	2.94E-05	4.63E-09	1.82E-09	3.60E-05	5.67E-09	2.23E-09	3.16E-05	4.97E-09	1.95E-09
5181	486863.09, 3864877.25	2.93E-05	4.61E-09	1.81E-09	3.58E-05	5.65E-09	2.22E-09	3.14E-05	4.95E-09	1.95E-09
5182	487363.09, 3864877.25	2.91E-05	4.58E-09	1.80E-09	3.56E-05	5.61E-09	2.20E-09	3.12E-05	4.92E-09	1.93E-09
5183	487863.09, 3864877.25	2.89E-05	4.55E-09	1.79E-09	3.54E-05	5.58E-09	2.19E-09	3.11E-05	4.89E-09	1.92E-09
5184	488363.09, 3864877.25	2.89E-05	4.56E-09	1.79E-09	3.54E-05	5.58E-09	2.19E-09	3.11E-05	4.90E-09	1.92E-09
5185	488863.09, 3864877.25	2.89E-05	4.55E-09	1.79E-09	3.54E-05	5.57E-09	2.19E-09	3.10E-05	4.89E-09	1.92E-09
5186	489363.09, 3864877.25	2.87E-05	4.52E-09	1.77E-09	3.51E-05	5.53E-09	2.17E-09	3.08E-05	4.85E-09	1.91E-09
5187	489863.09, 3864877.25	2.83E-05	4.46E-09	1.75E-09	3.47E-05	5.47E-09	2.15E-09	3.04E-05	4.80E-09	1.88E-09
5188	490363.09, 3864877.25	2.82E-05	4.45E-09	1.75E-09	3.46E-05	5.45E-09	2.14E-09	3.03E-05	4.78E-09	1.88E-09
5189	490863.09, 3864877.25	2.97E-05	4.68E-09	1.84E-09	3.64E-05	5.73E-09	2.25E-09	3.19E-05	5.03E-09	1.97E-09
5190	491363.09, 3864877.25	2.98E-05	4.69E-09	1.84E-09	3.64E-05	5.74E-09	2.26E-09	3.20E-05	5.03E-09	1.98E-09
5191	491863.09, 3864877.25	3.04E-05	4.78E-09	1.88E-09	3.72E-05	5.86E-09	2.30E-09	3.26E-05	5.13E-09	2.02E-09
5192	492363.09, 3864877.25	1.48E-05	2.33E-09	9.16E-10	1.81E-05	2.86E-09	1.12E-09	1.59E-05	2.50E-09	9.84E-10
5193	492863.09, 3864877.25	2.03E-05	3.19E-09	1.25E-09	2.48E-05	3.91E-09	1.54E-09	2.18E-05	3.43E-09	1.35E-09
5194	493363.09, 3864877.25	1.93E-05	3.04E-09	1.19E-09	2.36E-05	3.72E-09	1.46E-09	2.07E-05	3.26E-09	1.28E-09
5195	493863.09, 3864877.25	2.88E-05	4.53E-09	1.78E-09	3.53E-05	5.55E-09	2.18E-09	3.09E-05	4.87E-09	1.91E-09
5196	494363.09, 3864877.25	3.02E-05	4.76E-09	1.87E-09	3.70E-05	5.83E-09	2.29E-09	3.25E-05	5.11E-09	2.01E-09

5197	494863.09, 3864877.25	3.12E-05	4.91E-09	1.93E-09	3.82E-05	6.02E-09	2.36E-09	3.35E-05	5.28E-09	2.07E-09
5198	495363.09, 3864877.25	3.12E-05	4.91E-09	1.93E-09	3.82E-05	6.02E-09	2.36E-09	3.35E-05	5.28E-09	2.07E-09
5199	495863.09, 3864877.25	3.01E-05	4.74E-09	1.86E-09	3.69E-05	5.81E-09	2.28E-09	3.23E-05	5.09E-09	2.00E-09
5200	496363.09, 3864877.25	2.91E-05	4.58E-09	1.80E-09	3.56E-05	5.61E-09	2.20E-09	3.12E-05	4.92E-09	1.93E-09
5201	496863.09, 3864877.25	2.80E-05	4.42E-09	1.73E-09	3.43E-05	5.41E-09	2.12E-09	3.01E-05	4.74E-09	1.86E-09
5202	497363.09, 3864877.25	2.73E-05	4.30E-09	1.69E-09	3.34E-05	5.26E-09	2.07E-09	2.93E-05	4.61E-09	1.81E-09
5203	497863.09, 3864877.25	2.69E-05	4.24E-09	1.67E-09	3.30E-05	5.20E-09	2.04E-09	2.89E-05	4.56E-09	1.79E-09
5204	498363.09, 3864877.25	2.66E-05	4.19E-09	1.65E-09	3.26E-05	5.13E-09	2.02E-09	2.85E-05	4.50E-09	1.77E-09
5205	471363.09, 3865377.25	1.46E-05	2.30E-09	9.03E-10	1.79E-05	2.81E-09	1.11E-09	1.57E-05	2.47E-09	9.69E-10
5206	471863.09, 3865377.25	1.49E-05	2.35E-09	9.23E-10	1.83E-05	2.88E-09	1.13E-09	1.60E-05	2.52E-09	9.91E-10
5207	472363.09, 3865377.25	1.52E-05	2.40E-09	9.42E-10	1.87E-05	2.94E-09	1.15E-09	1.64E-05	2.58E-09	1.01E-09
5208	472863.09, 3865377.25	1.56E-05	2.45E-09	9.63E-10	1.91E-05	3.00E-09	1.18E-09	1.67E-05	2.63E-09	1.03E-09
5209	473363.09, 3865377.25	1.58E-05	2.50E-09	9.81E-10	1.94E-05	3.06E-09	1.20E-09	1.70E-05	2.68E-09	1.05E-09
5210	473863.09, 3865377.25	1.62E-05	2.55E-09	1.00E-09	1.99E-05	3.13E-09	1.23E-09	1.74E-05	2.74E-09	1.08E-09
5211	474363.09, 3865377.25	1.67E-05	2.63E-09	1.03E-09	2.04E-05	3.22E-09	1.26E-09	1.79E-05	2.82E-09	1.11E-09
5212	474863.09, 3865377.25	1.72E-05	2.71E-09	1.07E-09	2.11E-05	3.32E-09	1.31E-09	1.85E-05	2.92E-09	1.15E-09
5213	475363.09, 3865377.25	1.78E-05	2.80E-09	1.10E-09	2.18E-05	3.44E-09	1.35E-09	1.91E-05	3.01E-09	1.18E-09
5214	475863.09, 3865377.25	1.85E-05	2.91E-09	1.14E-09	2.26E-05	3.57E-09	1.40E-09	1.99E-05	3.13E-09	1.23E-09
5215	476363.09, 3865377.25	1.94E-05	3.06E-09	1.20E-09	2.38E-05	3.75E-09	1.47E-09	2.09E-05	3.29E-09	1.29E-09
5216	476863.09, 3865377.25	2.01E-05	3.17E-09	1.25E-09	2.47E-05	3.88E-09	1.53E-09	2.16E-05	3.41E-09	1.34E-09
5217	477363.09, 3865377.25	2.08E-05	3.27E-09	1.29E-09	2.54E-05	4.01E-09	1.57E-09	2.23E-05	3.51E-09	1.38E-09
5218	477863.09, 3865377.25	2.13E-05	3.36E-09	1.32E-09	2.61E-05	4.11E-09	1.61E-09	2.29E-05	3.60E-09	1.42E-09
5219	478363.09, 3865377.25	2.21E-05	3.48E-09	1.37E-09	2.70E-05	4.26E-09	1.67E-09	2.37E-05	3.73E-09	1.47E-09
5220	478863.09, 3865377.25	2.27E-05	3.58E-09	1.41E-09	2.78E-05	4.39E-09	1.72E-09	2.44E-05	3.85E-09	1.51E-09
5221	479363.09, 3865377.25	2.35E-05	3.70E-09	1.45E-09	2.87E-05	4.53E-09	1.78E-09	2.52E-05	3.97E-09	1.56E-09
5222	479863.09, 3865377.25	2.42E-05	3.81E-09	1.50E-09	2.97E-05	4.67E-09	1.84E-09	2.60E-05	4.10E-09	1.61E-09
5223	480363.09, 3865377.25	2.47E-05	3.89E-09	1.53E-09	3.03E-05	4.77E-09	1.87E-09	2.65E-05	4.18E-09	1.64E-09
5224	480863.09, 3865377.25	2.52E-05	3.97E-09	1.56E-09	3.09E-05	4.86E-09	1.91E-09	2.71E-05	4.26E-09	1.68E-09
5225	481363.09, 3865377.25	2.58E-05	4.07E-09	1.60E-09	3.16E-05	4.98E-09	1.96E-09	2.77E-05	4.37E-09	1.72E-09
5226	481863.09, 3865377.25	2.64E-05	4.16E-09	1.63E-09	3.23E-05	5.10E-09	2.00E-09	2.84E-05	4.47E-09	1.76E-09
5227	482363.09, 3865377.25	2.69E-05	4.24E-09	1.67E-09	3.30E-05	5.19E-09	2.04E-09	2.89E-05	4.55E-09	1.79E-09
5228	482863.09, 3865377.25	2.72E-05	4.29E-09	1.69E-09	3.34E-05	5.26E-09	2.07E-09	2.93E-05	4.61E-09	1.81E-09
5229	483363.09, 3865377.25	2.74E-05	4.32E-09	1.70E-09	3.36E-05	5.30E-09	2.08E-09	2.95E-05	4.64E-09	1.82E-09
5230	483863.09, 3865377.25	2.75E-05	4.33E-09	1.70E-09	3.37E-05	5.31E-09	2.09E-09	2.96E-05	4.66E-09	1.83E-09
5231	484363.09, 3865377.25	2.76E-05	4.35E-09	1.71E-09	3.38E-05	5.33E-09	2.09E-09	2.97E-05	4.68E-09	1.84E-09
5232	484863.09, 3865377.25	2.76E-05	4.35E-09	1.71E-09	3.38E-05	5.33E-09	2.09E-09	2.97E-05	4.67E-09	1.84E-09
5233	485363.09, 3865377.25	2.74E-05	4.32E-09	1.70E-09	3.36E-05	5.29E-09	2.08E-09	2.94E-05	4.64E-09	1.82E-09
5234	485863.09, 3865377.25	2.70E-05	4.26E-09	1.67E-09	3.31E-05	5.21E-09	2.05E-09	2.90E-05	4.57E-09	1.80E-09
5235	486363.09, 3865377.25	2.68E-05	4.23E-09	1.66E-09	3.29E-05	5.18E-09	2.03E-09	2.88E-05	4.54E-09	1.78E-09
5236	486863.09, 3865377.25	2.67E-05	4.20E-09	1.65E-09	3.27E-05	5.15E-09	2.02E-09	2.87E-05	4.52E-09	1.77E-09
5237	487363.09, 3865377.25	2.65E-05	4.17E-09	1.64E-09	3.24E-05	5.11E-09	2.01E-09	2.85E-05	4.48E-09	1.76E-09
5238	487863.09, 3865377.25	2.64E-05	4.15E-09	1.63E-09	3.23E-05	5.09E-09	2.00E-09	2.83E-05	4.47E-09	1.75E-09
5239	488363.09, 3865377.25	2.65E-05	4.17E-09	1.64E-09	3.24E-05	5.11E-09	2.01E-09	2.84E-05	4.48E-09	1.76E-09
5240	488863.09, 3865377.25	2.65E-05	4.17E-09	1.64E-09	3.24E-05	5.11E-09	2.01E-09	2.85E-05	4.48E-09	1.76E-09
5241	489363.09, 3865377.25	2.64E-05	4.16E-09	1.63E-09	3.23E-05	5.09E-09	2.00E-09	2.84E-05	4.47E-09	1.76E-09
5242	489863.09, 3865377.25	2.63E-05	4.14E-09	1.63E-09	3.22E-05	5.08E-09	1.99E-09	2.83E-05	4.45E-09	1.75E-09
5243	490363.09, 3865377.25	2.70E-05	4.25E-09	1.67E-09	3.31E-05	5.21E-09	2.05E-09	2.90E-05	4.57E-09	1.80E-09
5244	490863.09, 3865377.25	2.69E-05	4.24E-09	1.67E-09	3.30E-05	5.19E-09	2.04E-09	2.89E-05	4.55E-09	1.79E-09
5245	491363.09, 3865377.25	2.70E-05	4.26E-09	1.67E-09	3.31E-05	5.21E-09	2.05E-09	2.90E-05	4.57E-09	1.80E-09
5246	491863.09, 3865377.25	2.74E-05	4.31E-09	1.69E-09	3.35E-05	5.28E-09	2.08E-09	2.94E-05	4.63E-09	1.82E-09
5247	492363.09, 3865377.25	2.55E-05	4.02E-09	1.58E-09	3.12E-05	4.92E-09	1.93E-09	2.74E-05	4.31E-09	1.69E-09
5248	492863.09, 3865377.25	2.17E-05	3.41E-09	1.34E-09	2.65E-05	4.18E-09	1.64E-09	2.33E-05	3.66E-09	1.44E-09
5249	493363.09, 3865377.25	1.80E-05	2.83E-09	1.11E-09	2.20E-05	3.47E-09	1.36E-09	1.93E-05	3.04E-09	1.20E-09
5250	493863.09, 3865377.25	2.43E-05	3.83E-09	1.50E-09	2.98E-05	4.69E-09	1.84E-09	2.61E-05	4.11E-09	1.62E-09
5251	494363.09, 3865377.25	2.64E-05	4.15E-09	1.63E-09	3.23E-05	5.09E-09	2.00E-09	2.83E-05	4.46E-09	1.75E-09
5252	494863.09, 3865377.25	2.74E-05	4.32E-09	1.70E-09	3.36E-05	5.29E-09	2.08E-09	2.94E-05	4.64E-09	1.82E-09
5253	495363.09, 3865377.25	2.84E-05	4.47E-09	1.76E-09	3.48E-05	5.48E-09	2.15E-09	3.05E-05	4.80E-09	1.89E-09
5254	495863.09, 3865377.25	2.84E-05	4.47E-09	1.76E-09	3.47E-05	5.47E-09	2.15E-09	3.05E-05	4.80E-09	1.89E-09
5255	496363.09, 3865377.25	2.78E-05	4.38E-09	1.72E-09	3.41E-05	5.36E-09	2.11E-09	2.99E-05	4.70E-09	1.85E-09
5256	496863.09, 3865377.25	2.67E-05	4.21E-09	1.65E-09	3.27E-05	5.15E-09	2.03E-09	2.87E-05	4.52E-09	1.78E-09
5257	497363.09, 3865377.25	2.57E-05	4.05E-09	1.59E-09	3.15E-05	4.96E-09	1.95E-09	2.76E-05	4.35E-09	1.71E-09
5258	497863.09, 3865377.25	2.50E-05	3.94E-09	1.55E-09	3.06E-05	4.83E-09	1.90E-09	2.69E-05	4.23E-09	1.66E-09
5259	498363.09, 3865377.25	2.48E-05	3.90E-09	1.53E-09	3.03E-05	4.78E-09	1.88E-09	2.66E-05	4.19E-09	1.65E-09
5260	471363.09, 3865877.25	1.38E-05	2.18E-09	8.56E-10	1.69E-05	2.67E-09	1.05E-09	1.49E-05	2.34E-09	9.19E-10
5261	471863.09, 3865877.25	1.41E-05	2.22E-09	8.73E-10	1.73E-05	2.72E-09	1.07E-09	1.51E-05	2.39E-09	9.37E-10

5262	472363.09, 3865877.25	1.44E-05	2.28E-09	8.94E-10	1.77E-05	2.79E-09	1.09E-09	1.55E-05	2.44E-09	9.60E-10
5263	472863.09, 3865877.25	1.47E-05	2.31E-09	9.07E-10	1.79E-05	2.83E-09	1.11E-09	1.57E-05	2.48E-09	9.74E-10
5264	473363.09, 3865877.25	1.50E-05	2.36E-09	9.26E-10	1.83E-05	2.89E-09	1.13E-09	1.61E-05	2.53E-09	9.96E-10
5265	473863.09, 3865877.25	1.54E-05	2.42E-09	9.52E-10	1.88E-05	2.97E-09	1.17E-09	1.65E-05	2.60E-09	1.02E-09
5266	474363.09, 3865877.25	1.59E-05	2.50E-09	9.81E-10	1.94E-05	3.06E-09	1.20E-09	1.70E-05	2.68E-09	1.05E-09
5267	474863.09, 3865877.25	1.64E-05	2.59E-09	1.02E-09	2.01E-05	3.17E-09	1.25E-09	1.77E-05	2.78E-09	1.09E-09
5268	475363.09, 3865877.25	1.70E-05	2.68E-09	1.05E-09	2.08E-05	3.28E-09	1.29E-09	1.83E-05	2.88E-09	1.13E-09
5269	475863.09, 3865877.25	1.76E-05	2.77E-09	1.09E-09	2.16E-05	3.40E-09	1.33E-09	1.89E-05	2.98E-09	1.17E-09
5270	476363.09, 3865877.25	1.85E-05	2.92E-09	1.15E-09	2.27E-05	3.57E-09	1.40E-09	1.99E-05	3.13E-09	1.23E-09
5271	476863.09, 3865877.25	1.91E-05	3.01E-09	1.18E-09	2.34E-05	3.68E-09	1.45E-09	2.05E-05	3.23E-09	1.27E-09
5272	477363.09, 3865877.25	1.98E-05	3.12E-09	1.23E-09	2.43E-05	3.82E-09	1.50E-09	2.13E-05	3.35E-09	1.32E-09
5273	477863.09, 3865877.25	2.02E-05	3.19E-09	1.25E-09	2.48E-05	3.90E-09	1.53E-09	2.17E-05	3.42E-09	1.34E-09
5274	478363.09, 3865877.25	2.08E-05	3.28E-09	1.29E-09	2.55E-05	4.02E-09	1.58E-09	2.24E-05	3.53E-09	1.39E-09
5275	478863.09, 3865877.25	2.15E-05	3.38E-09	1.33E-09	2.63E-05	4.14E-09	1.63E-09	2.31E-05	3.63E-09	1.43E-09
5276	479363.09, 3865877.25	2.21E-05	3.48E-09	1.37E-09	2.70E-05	4.26E-09	1.67E-09	2.37E-05	3.74E-09	1.47E-09
5277	479863.09, 3865877.25	2.26E-05	3.55E-09	1.40E-09	2.76E-05	4.35E-09	1.71E-09	2.42E-05	3.82E-09	1.50E-09
5278	480363.09, 3865877.25	2.30E-05	3.62E-09	1.42E-09	2.81E-05	4.43E-09	1.74E-09	2.47E-05	3.89E-09	1.53E-09
5279	480863.09, 3865877.25	2.34E-05	3.69E-09	1.45E-09	2.87E-05	4.52E-09	1.78E-09	2.52E-05	3.96E-09	1.56E-09
5280	481363.09, 3865877.25	2.39E-05	3.77E-09	1.48E-09	2.93E-05	4.61E-09	1.81E-09	2.57E-05	4.05E-09	1.59E-09
5281	481863.09, 3865877.25	2.44E-05	3.85E-09	1.51E-09	2.99E-05	4.71E-09	1.85E-09	2.62E-05	4.13E-09	1.62E-09
5282	482363.09, 3865877.25	2.48E-05	3.90E-09	1.53E-09	3.03E-05	4.78E-09	1.88E-09	2.66E-05	4.19E-09	1.65E-09
5283	482863.09, 3865877.25	2.50E-05	3.94E-09	1.55E-09	3.06E-05	4.82E-09	1.89E-09	2.68E-05	4.23E-09	1.66E-09
5284	483363.09, 3865877.25	2.52E-05	3.96E-09	1.56E-09	3.08E-05	4.85E-09	1.91E-09	2.70E-05	4.26E-09	1.67E-09
5285	483863.09, 3865877.25	2.53E-05	3.99E-09	1.57E-09	3.10E-05	4.88E-09	1.92E-09	2.72E-05	4.28E-09	1.68E-09
5286	484363.09, 3865877.25	2.55E-05	4.01E-09	1.58E-09	3.12E-05	4.91E-09	1.93E-09	2.74E-05	4.31E-09	1.69E-09
5287	484863.09, 3865877.25	2.54E-05	3.99E-09	1.57E-09	3.10E-05	4.89E-09	1.92E-09	2.72E-05	4.29E-09	1.69E-09
5288	485363.09, 3865877.25	2.51E-05	3.95E-09	1.55E-09	3.07E-05	4.83E-09	1.90E-09	2.69E-05	4.24E-09	1.67E-09
5289	485863.09, 3865877.25	2.47E-05	3.90E-09	1.53E-09	3.03E-05	4.77E-09	1.88E-09	2.66E-05	4.19E-09	1.65E-09
5290	486363.09, 3865877.25	2.45E-05	3.87E-09	1.52E-09	3.01E-05	4.74E-09	1.86E-09	2.64E-05	4.16E-09	1.63E-09
5291	486863.09, 3865877.25	2.44E-05	3.85E-09	1.51E-09	2.99E-05	4.71E-09	1.85E-09	2.62E-05	4.13E-09	1.62E-09
5292	487363.09, 3865877.25	2.42E-05	3.82E-09	1.50E-09	2.97E-05	4.68E-09	1.84E-09	2.60E-05	4.10E-09	1.61E-09
5293	487863.09, 3865877.25	2.43E-05	3.83E-09	1.50E-09	2.98E-05	4.69E-09	1.84E-09	2.61E-05	4.11E-09	1.62E-09
5294	488363.09, 3865877.25	2.43E-05	3.83E-09	1.51E-09	2.98E-05	4.69E-09	1.84E-09	2.62E-05	4.12E-09	1.62E-09
5295	488863.09, 3865877.25	2.45E-05	3.86E-09	1.51E-09	3.00E-05	4.72E-09	1.86E-09	2.63E-05	4.14E-09	1.63E-09
5296	489363.09, 3865877.25	2.45E-05	3.86E-09	1.52E-09	3.00E-05	4.73E-09	1.86E-09	2.63E-05	4.15E-09	1.63E-09
5297	489863.09, 3865877.25	2.44E-05	3.84E-09	1.51E-09	2.99E-05	4.71E-09	1.85E-09	2.62E-05	4.13E-09	1.62E-09
5298	490363.09, 3865877.25	2.45E-05	3.87E-09	1.52E-09	3.01E-05	4.73E-09	1.86E-09	2.64E-05	4.15E-09	1.63E-09
5299	490863.09, 3865877.25	2.46E-05	3.88E-09	1.52E-09	3.02E-05	4.75E-09	1.87E-09	2.65E-05	4.17E-09	1.64E-09
5300	491363.09, 3865877.25	2.45E-05	3.86E-09	1.52E-09	3.00E-05	4.73E-09	1.86E-09	2.63E-05	4.15E-09	1.63E-09
5301	491863.09, 3865877.25	2.47E-05	3.89E-09	1.53E-09	3.03E-05	4.77E-09	1.87E-09	2.66E-05	4.18E-09	1.64E-09
5302	492363.09, 3865877.25	2.45E-05	3.87E-09	1.52E-09	3.01E-05	4.74E-09	1.86E-09	2.64E-05	4.15E-09	1.63E-09
5303	492863.09, 3865877.25	2.07E-05	3.26E-09	1.28E-09	2.53E-05	3.99E-09	1.57E-09	2.22E-05	3.50E-09	1.37E-09
5304	493363.09, 3865877.25	2.10E-05	3.31E-09	1.30E-09	2.57E-05	4.05E-09	1.59E-09	2.25E-05	3.55E-09	1.40E-09
5305	493863.09, 3865877.25	2.34E-05	3.69E-09	1.45E-09	2.87E-05	4.52E-09	1.77E-09	2.51E-05	3.96E-09	1.56E-09
5306	494363.09, 3865877.25	2.45E-05	3.85E-09	1.51E-09	3.00E-05	4.72E-09	1.85E-09	2.63E-05	4.14E-09	1.63E-09
5307	494863.09, 3865877.25	2.49E-05	3.92E-09	1.54E-09	3.05E-05	4.80E-09	1.89E-09	2.67E-05	4.21E-09	1.65E-09
5308	495363.09, 3865877.25	2.52E-05	3.96E-09	1.56E-09	3.08E-05	4.85E-09	1.91E-09	2.70E-05	4.26E-09	1.67E-09
5309	495863.09, 3865877.25	2.60E-05	4.09E-09	1.61E-09	3.18E-05	5.01E-09	1.97E-09	2.79E-05	4.39E-09	1.73E-09
5310	496363.09, 3865877.25	2.63E-05	4.14E-09	1.63E-09	3.22E-05	5.07E-09	1.99E-09	2.82E-05	4.44E-09	1.75E-09
5311	496863.09, 3865877.25	2.58E-05	4.07E-09	1.60E-09	3.16E-05	4.98E-09	1.96E-09	2.77E-05	4.37E-09	1.72E-09
5312	497363.09, 3865877.25	2.46E-05	3.88E-09	1.53E-09	3.02E-05	4.75E-09	1.87E-09	2.65E-05	4.17E-09	1.64E-09
5313	497863.09, 3865877.25	2.37E-05	3.73E-09	1.47E-09	2.90E-05	4.57E-09	1.80E-09	2.54E-05	4.01E-09	1.57E-09
5314	498363.09, 3865877.25	2.30E-05	3.62E-09	1.42E-09	2.82E-05	4.44E-09	1.74E-09	2.47E-05	3.89E-09	1.53E-09
5315	471363.09, 3866377.25	1.31E-05	2.06E-09	8.11E-10	1.60E-05	2.53E-09	9.93E-10	1.41E-05	2.22E-09	8.71E-10
5316	471863.09, 3866377.25	1.34E-05	2.11E-09	8.28E-10	1.64E-05	2.58E-09	1.01E-09	1.44E-05	2.27E-09	8.90E-10
5317	472363.09, 3866377.25	1.37E-05	2.15E-09	8.45E-10	1.67E-05	2.64E-09	1.04E-09	1.47E-05	2.31E-09	9.08E-10
5318	472863.09, 3866377.25	1.39E-05	2.19E-09	8.60E-10	1.70E-05	2.68E-09	1.05E-09	1.49E-05	2.35E-09	9.24E-10
5319	473363.09, 3866377.25	1.43E-05	2.25E-09	8.83E-10	1.75E-05	2.75E-09	1.08E-09	1.53E-05	2.42E-09	9.49E-10
5320	473863.09, 3866377.25	1.47E-05	2.31E-09	9.08E-10	1.80E-05	2.83E-09	1.11E-09	1.58E-05	2.48E-09	9.75E-10
5321	474363.09, 3866377.25	1.51E-05	2.38E-09	9.37E-10	1.85E-05	2.92E-09	1.15E-09	1.63E-05	2.56E-09	1.01E-09
5322	474863.09, 3866377.25	1.57E-05	2.47E-09	9.70E-10	1.92E-05	3.03E-09	1.19E-09	1.68E-05	2.65E-09	1.04E-09
5323	475363.09, 3866377.25	1.62E-05	2.55E-09	1.00E-09	1.98E-05	3.12E-09	1.23E-09	1.74E-05	2.74E-09	1.07E-09
5324	475863.09, 3866377.25	1.67E-05	2.63E-09	1.03E-09	2.04E-05	3.22E-09	1.26E-09	1.79E-05	2.82E-09	1.11E-09
5325	476363.09, 3866377.25	1.76E-05	2.77E-09	1.09E-09	2.15E-05	3.39E-09	1.33E-09	1.89E-05	2.97E-09	1.17E-09
5326	476863.09, 3866377.25	1.81E-05	2.85E-09	1.12E-09	2.21E-05	3.49E-09	1.37E-09	1.94E-05	3.06E-09	1.20E-09

5327 477363.09, 3866377.25	1.90E-05	2.99E-09	1.17E-09	2.33E-05	3.66E-09	1.44E-09	2.04E-05	3.21E-09	1.26E-09
5328 477863.09, 3866377.25	1.93E-05	3.04E-09	1.20E-09	2.37E-05	3.73E-09	1.46E-09	2.08E-05	3.27E-09	1.28E-09
5329 478363.09, 3866377.25	1.97E-05	3.10E-09	1.22E-09	2.41E-05	3.80E-09	1.49E-09	2.12E-05	3.33E-09	1.31E-09
5330 478863.09, 3866377.25	2.03E-05	3.19E-09	1.25E-09	2.48E-05	3.91E-09	1.54E-09	2.18E-05	3.43E-09	1.35E-09
5331 479363.09, 3866377.25	2.08E-05	3.28E-09	1.29E-09	2.55E-05	4.01E-09	1.58E-09	2.23E-05	3.52E-09	1.38E-09
5332 479863.09, 3866377.25	2.13E-05	3.35E-09	1.32E-09	2.60E-05	4.10E-09	1.61E-09	2.28E-05	3.60E-09	1.41E-09
5333 480363.09, 3866377.25	2.16E-05	3.41E-09	1.34E-09	2.65E-05	4.17E-09	1.64E-09	2.32E-05	3.66E-09	1.44E-09
5334 480863.09, 3866377.25	2.20E-05	3.46E-09	1.36E-09	2.69E-05	4.24E-09	1.66E-09	2.36E-05	3.72E-09	1.46E-09
5335 481363.09, 3866377.25	2.24E-05	3.53E-09	1.39E-09	2.75E-05	4.33E-09	1.70E-09	2.41E-05	3.79E-09	1.49E-09
5336 481863.09, 3866377.25	2.27E-05	3.58E-09	1.41E-09	2.78E-05	4.38E-09	1.72E-09	2.44E-05	3.84E-09	1.51E-09
5337 482363.09, 3866377.25	2.29E-05	3.61E-09	1.42E-09	2.81E-05	4.42E-09	1.74E-09	2.46E-05	3.88E-09	1.52E-09
5338 482863.09, 3866377.25	2.31E-05	3.64E-09	1.43E-09	2.83E-05	4.46E-09	1.75E-09	2.48E-05	3.91E-09	1.54E-09
5339 483363.09, 3866377.25	2.32E-05	3.66E-09	1.44E-09	2.84E-05	4.48E-09	1.76E-09	2.50E-05	3.93E-09	1.54E-09
5340 483863.09, 3866377.25	2.34E-05	3.68E-09	1.45E-09	2.86E-05	4.51E-09	1.77E-09	2.51E-05	3.96E-09	1.56E-09
5341 484363.09, 3866377.25	2.34E-05	3.69E-09	1.45E-09	2.87E-05	4.52E-09	1.78E-09	2.52E-05	3.97E-09	1.56E-09
5342 484863.09, 3866377.25	2.34E-05	3.69E-09	1.45E-09	2.87E-05	4.52E-09	1.78E-09	2.52E-05	3.97E-09	1.56E-09
5343 485363.09, 3866377.25	2.31E-05	3.63E-09	1.43E-09	2.82E-05	4.45E-09	1.75E-09	2.48E-05	3.90E-09	1.53E-09
5344 485863.09, 3866377.25	2.27E-05	3.58E-09	1.41E-09	2.78E-05	4.39E-09	1.72E-09	2.44E-05	3.85E-09	1.51E-09
5345 486363.09, 3866377.25	2.26E-05	3.56E-09	1.40E-09	2.77E-05	4.36E-09	1.71E-09	2.43E-05	3.83E-09	1.50E-09
5346 486863.09, 3866377.25	2.25E-05	3.55E-09	1.39E-09	2.76E-05	4.34E-09	1.71E-09	2.42E-05	3.81E-09	1.50E-09
5347 487363.09, 3866377.25	2.29E-05	3.60E-09	1.41E-09	2.80E-05	4.41E-09	1.73E-09	2.46E-05	3.87E-09	1.52E-09
5348 487863.09, 3866377.25	2.32E-05	3.65E-09	1.43E-09	2.84E-05	4.47E-09	1.75E-09	2.49E-05	3.92E-09	1.54E-09
5349 488363.09, 3866377.25	2.32E-05	3.65E-09	1.43E-09	2.84E-05	4.47E-09	1.76E-09	2.49E-05	3.92E-09	1.54E-09
5350 488863.09, 3866377.25	2.34E-05	3.68E-09	1.45E-09	2.86E-05	4.51E-09	1.77E-09	2.51E-05	3.96E-09	1.55E-09
5351 489363.09, 3866377.25	2.33E-05	3.68E-09	1.44E-09	2.86E-05	4.50E-09	1.77E-09	2.51E-05	3.95E-09	1.55E-09
5352 489863.09, 3866377.25	2.31E-05	3.64E-09	1.43E-09	2.83E-05	4.46E-09	1.75E-09	2.48E-05	3.91E-09	1.54E-09
5353 490363.09, 3866377.25	2.27E-05	3.57E-09	1.40E-09	2.78E-05	4.38E-09	1.72E-09	2.44E-05	3.84E-09	1.51E-09
5354 490863.09, 3866377.25	2.24E-05	3.53E-09	1.39E-09	2.74E-05	4.32E-09	1.70E-09	2.41E-05	3.79E-09	1.49E-09
5355 491363.09, 3866377.25	2.26E-05	3.56E-09	1.40E-09	2.77E-05	4.36E-09	1.71E-09	2.43E-05	3.82E-09	1.50E-09
5356 491863.09, 3866377.25	2.23E-05	3.51E-09	1.38E-09	2.73E-05	4.30E-09	1.69E-09	2.39E-05	3.77E-09	1.48E-09
5357 492363.09, 3866377.25	2.26E-05	3.57E-09	1.40E-09	2.77E-05	4.37E-09	1.72E-09	2.43E-05	3.83E-09	1.51E-09
5358 492863.09, 3866377.25	2.14E-05	3.36E-09	1.32E-09	2.62E-05	4.12E-09	1.62E-09	2.29E-05	3.61E-09	1.42E-09
5359 493363.09, 3866377.25	2.15E-05	3.39E-09	1.33E-09	2.64E-05	4.16E-09	1.63E-09	2.31E-05	3.65E-09	1.43E-09
5360 493863.09, 3866377.25	2.26E-05	3.55E-09	1.40E-09	2.76E-05	4.35E-09	1.71E-09	2.42E-05	3.82E-09	1.50E-09
5361 494363.09, 3866377.25	2.33E-05	3.67E-09	1.44E-09	2.85E-05	4.50E-09	1.77E-09	2.50E-05	3.94E-09	1.55E-09
5362 494863.09, 3866377.25	2.29E-05	3.62E-09	1.42E-09	2.81E-05	4.43E-09	1.74E-09	2.46E-05	3.88E-09	1.53E-09
5363 495363.09, 3866377.25	2.22E-05	3.50E-09	1.38E-09	2.72E-05	4.29E-09	1.68E-09	2.39E-05	3.76E-09	1.48E-09
5364 495863.09, 3866377.25	2.26E-05	3.57E-09	1.40E-09	2.77E-05	4.37E-09	1.72E-09	2.43E-05	3.83E-09	1.50E-09
5365 496363.09, 3866377.25	2.40E-05	3.78E-09	1.48E-09	2.94E-05	4.63E-09	1.82E-09	2.57E-05	4.06E-09	1.59E-09
5366 496863.09, 3866377.25	2.42E-05	3.81E-09	1.50E-09	2.96E-05	4.67E-09	1.83E-09	2.60E-05	4.09E-09	1.61E-09
5367 497363.09, 3866377.25	2.38E-05	3.75E-09	1.47E-09	2.91E-05	4.59E-09	1.80E-09	2.55E-05	4.02E-09	1.58E-09
5368 497863.09, 3866377.25	2.28E-05	3.60E-09	1.41E-09	2.80E-05	4.41E-09	1.73E-09	2.45E-05	3.86E-09	1.52E-09
5369 498363.09, 3866377.25	2.08E-05	3.28E-09	1.29E-09	2.55E-05	4.01E-09	1.58E-09	2.23E-05	3.52E-09	1.38E-09
5370 474494.92, 3848334.16	1.52E-05	2.39E-09	9.38E-10	1.86E-05	2.92E-09	1.15E-09	1.63E-05	2.56E-09	1.01E-09
5371 475167.27, 3848920.79	1.73E-05	2.72E-09	1.07E-09	2.12E-05	3.34E-09	1.31E-09	1.86E-05	2.93E-09	1.15E-09
5372 475297.89, 3848997.96	1.76E-05	2.77E-09	1.09E-09	2.16E-05	3.40E-09	1.34E-09	1.89E-05	2.98E-09	1.17E-09
5373 475439.05, 3849062	1.76E-05	2.77E-09	1.09E-09	2.15E-05	3.39E-09	1.33E-09	1.89E-05	2.97E-09	1.17E-09
5374 475486.86, 3849061.09	1.75E-05	2.75E-09	1.08E-09	2.14E-05	3.37E-09	1.33E-09	1.88E-05	2.96E-09	1.16E-09
5375 475538.46, 3849075.56	1.76E-05	2.77E-09	1.09E-09	2.16E-05	3.40E-09	1.33E-09	1.89E-05	2.98E-09	1.17E-09
5376 475751.79, 3849137.15	1.83E-05	2.89E-09	1.13E-09	2.25E-05	3.54E-09	1.39E-09	1.97E-05	3.10E-09	1.22E-09
5377 476303.62, 3849223.38	1.93E-05	3.03E-09	1.19E-09	2.36E-05	3.72E-09	1.46E-09	2.07E-05	3.26E-09	1.28E-09
5378 476304.51, 3849238.92	1.94E-05	3.05E-09	1.20E-09	2.37E-05	3.73E-09	1.47E-09	2.08E-05	3.28E-09	1.29E-09
5379 476365.04, 3849247.98	1.95E-05	3.06E-09	1.20E-09	2.38E-05	3.75E-09	1.47E-09	2.09E-05	3.29E-09	1.29E-09
5380 476444.86, 3849267.13	1.95E-05	3.07E-09	1.21E-09	2.39E-05	3.76E-09	1.48E-09	2.09E-05	3.30E-09	1.29E-09
5381 476550.75, 3849300.66	1.98E-05	3.12E-09	1.22E-09	2.42E-05	3.82E-09	1.50E-09	2.13E-05	3.35E-09	1.32E-09
5382 476656.71, 3849346.88	2.01E-05	3.16E-09	1.24E-09	2.46E-05	3.87E-09	1.52E-09	2.15E-05	3.39E-09	1.33E-09
5383 476873.55, 3849454.53	2.08E-05	3.28E-09	1.29E-09	2.55E-05	4.02E-09	1.58E-09	2.24E-05	3.53E-09	1.39E-09
5384 477700, 3849859.7	2.38E-05	3.75E-09	1.47E-09	2.91E-05	4.59E-09	1.80E-09	2.56E-05	4.03E-09	1.58E-09
5385 477743.16, 3849856.38	2.35E-05	3.70E-09	1.45E-09	2.88E-05	4.53E-09	1.78E-09	2.52E-05	3.98E-09	1.56E-09
5386 478477.35, 3850216.33	2.55E-05	4.02E-09	1.58E-09	3.13E-05	4.93E-09	1.94E-09	2.74E-05	4.32E-09	1.70E-09
5387 478485.8, 3850201.6	2.55E-05	4.01E-09	1.58E-09	3.12E-05	4.92E-09	1.93E-09	2.74E-05	4.31E-09	1.69E-09
5388 479113.21, 3850501.53	3.09E-05	4.86E-09	1.91E-09	3.78E-05	5.96E-09	2.34E-09	3.32E-05	5.23E-09	2.05E-09
5389 479108.11, 3850382.28	3.07E-05	4.84E-09	1.90E-09	3.76E-05	5.93E-09	2.33E-09	3.30E-05	5.20E-09	2.04E-09
5390 479689.85, 3850674.28	3.66E-05	5.76E-09	2.26E-09	4.48E-05	7.06E-09	2.77E-09	3.93E-05	6.19E-09	2.43E-09
5391 479952.42, 3850774.28	4.03E-05	6.35E-09	2.49E-09	4.94E-05	7.77E-09	3.05E-09	4.33E-05	6.82E-09	2.68E-09

5392	479911.32, 3850884.85	3.97E-05	6.25E-09	2.45E-09	4.86E-05	7.65E-09	3.01E-09	4.26E-05	6.71E-09	2.64E-09
5393	480500.92, 3851178.12	4.87E-05	7.68E-09	3.02E-09	5.97E-05	9.41E-09	3.70E-09	5.24E-05	8.25E-09	3.24E-09
5394	480738.01, 3851289.27	5.26E-05	8.28E-09	3.25E-09	6.44E-05	1.01E-08	3.99E-09	5.65E-05	8.90E-09	3.50E-09
5395	481055.42, 3851443.58	5.76E-05	9.07E-09	3.56E-09	7.05E-05	1.11E-08	4.36E-09	6.18E-05	9.74E-09	3.83E-09
5396	481110.22, 3851443.15	5.81E-05	9.15E-09	3.59E-09	7.11E-05	1.12E-08	4.40E-09	6.24E-05	9.83E-09	3.86E-09
5397	481111.1, 3851417.45	5.77E-05	9.10E-09	3.57E-09	7.07E-05	1.11E-08	4.38E-09	6.20E-05	9.77E-09	3.84E-09
5398	482248.44, 3852605.09	9.83E-05	1.55E-08	6.08E-09	1.20E-04	1.90E-08	7.45E-09	1.06E-04	1.66E-08	6.54E-09
5399	482273.34, 3852632.31	9.99E-05	1.57E-08	6.18E-09	1.22E-04	1.93E-08	7.57E-09	1.07E-04	1.69E-08	6.65E-09
5400	482665.46, 3853038.72	1.33E-04	2.10E-08	8.25E-09	1.63E-04	2.57E-08	1.01E-08	1.43E-04	2.26E-08	8.87E-09
5401	483077.95, 3853844.31	1.40E-03	2.20E-07	8.64E-08	1.71E-03	2.70E-07	1.06E-07	1.51E-03	2.37E-07	9.33E-08
5402	483121.38, 3853909.38	1.32E-03	2.08E-07	8.17E-08	1.62E-03	2.55E-07	1.00E-07	1.42E-03	2.24E-07	8.81E-08
5403	483492.64, 3853911.49	6.71E-04	1.06E-07	4.15E-08	8.22E-04	1.29E-07	5.09E-08	7.23E-04	1.14E-07	4.47E-08
5404	483498.29, 3854204.73	9.22E-04	1.45E-07	5.70E-08	1.13E-03	1.78E-07	6.99E-08	9.93E-04	1.56E-07	6.15E-08
5405	484132.44, 3854662.55	1.89E-03	2.97E-07	1.17E-07	2.31E-03	3.64E-07	1.43E-07	2.03E-03	3.20E-07	1.26E-07
5406	484627.62, 3854876.13	7.16E-03	1.13E-06	4.43E-07	8.78E-03	1.38E-06	5.43E-07	7.68E-03	1.21E-06	4.75E-07
5407	484756.14, 3854949.04	6.86E-03	1.08E-06	4.25E-07	8.41E-03	1.32E-06	5.20E-07	7.33E-03	1.16E-06	4.54E-07
5408	486697.51, 3856599.17	6.58E-03	1.04E-06	4.07E-07	8.06E-03	1.27E-06	4.99E-07	7.11E-03	1.12E-06	4.40E-07
5409	487105.31, 3856962.27	6.22E-03	9.79E-07	3.85E-07	7.61E-03	1.20E-06	4.71E-07	6.70E-03	1.06E-06	4.15E-07
5410	487157.57, 3856901.7	4.73E-03	7.45E-07	2.93E-07	5.79E-03	9.13E-07	3.59E-07	5.10E-03	8.03E-07	3.16E-07
5411	487173.5, 3856853.74	4.18E-03	6.59E-07	2.59E-07	5.12E-03	8.07E-07	3.17E-07	4.51E-03	7.11E-07	2.79E-07
5412	487564.41, 3856860.83	2.50E-03	3.94E-07	1.55E-07	3.07E-03	4.83E-07	1.90E-07	2.69E-03	4.24E-07	1.67E-07
5413	487563.31, 3856931.58	2.57E-03	4.05E-07	1.59E-07	3.15E-03	4.97E-07	1.95E-07	2.76E-03	4.35E-07	1.71E-07
5414	487782.7, 3856926.85	2.11E-03	3.32E-07	1.30E-07	2.58E-03	4.06E-07	1.60E-07	2.26E-03	3.56E-07	1.40E-07
5415	487782.39, 3856757.07	1.98E-03	3.11E-07	1.22E-07	2.42E-03	3.81E-07	1.50E-07	2.13E-03	3.35E-07	1.32E-07
5416	487917.26, 3856752.41	1.79E-03	2.82E-07	1.11E-07	2.20E-03	3.46E-07	1.36E-07	1.93E-03	3.04E-07	1.19E-07
5417	487919.57, 3856953.35	1.91E-03	3.01E-07	1.18E-07	2.34E-03	3.69E-07	1.45E-07	2.05E-03	3.23E-07	1.27E-07
5418	487932.76, 3857000.32	1.93E-03	3.03E-07	1.19E-07	2.36E-03	3.72E-07	1.46E-07	2.06E-03	3.24E-07	1.27E-07
5419	487960.5, 3857044.75	1.92E-03	3.02E-07	1.19E-07	2.35E-03	3.70E-07	1.45E-07	2.05E-03	3.23E-07	1.27E-07
5420	488016.54, 3857089.54	1.88E-03	2.96E-07	1.16E-07	2.30E-03	3.62E-07	1.42E-07	2.00E-03	3.15E-07	1.24E-07
5421	488114.39, 3857165.47	1.80E-03	2.83E-07	1.11E-07	2.20E-03	3.47E-07	1.36E-07	1.91E-03	3.01E-07	1.18E-07
5422	488171.49, 3857234.24	1.76E-03	2.78E-07	1.09E-07	2.16E-03	3.40E-07	1.34E-07	1.87E-03	2.95E-07	1.16E-07
5423	488193.16, 3857297.8	1.76E-03	2.77E-07	1.09E-07	2.15E-03	3.39E-07	1.33E-07	1.87E-03	2.94E-07	1.16E-07
5424	488189.27, 3857649.94	1.91E-03	3.00E-07	1.18E-07	2.33E-03	3.68E-07	1.44E-07	2.04E-03	3.21E-07	1.26E-07
5425	488127.43, 3857732.32	2.07E-03	3.26E-07	1.28E-07	2.53E-03	3.99E-07	1.57E-07	2.22E-03	3.49E-07	1.37E-07
5426	488149.93, 3857752.94	1.99E-03	3.14E-07	1.23E-07	2.44E-03	3.84E-07	1.51E-07	2.14E-03	3.37E-07	1.32E-07
5427	488144.76, 3857758.71	2.00E-03	3.15E-07	1.24E-07	2.45E-03	3.86E-07	1.52E-07	2.15E-03	3.38E-07	1.33E-07
5428	488335.58, 3857932.55	1.41E-03	2.22E-07	8.72E-08	1.72E-03	2.72E-07	1.07E-07	1.51E-03	2.38E-07	9.36E-08
5429	488372.29, 3857943.79	1.36E-03	2.14E-07	8.39E-08	1.66E-03	2.61E-07	1.03E-07	1.46E-03	2.29E-07	9.01E-08
5430	488828.64, 3857936.4	1.01E-03	1.59E-07	6.25E-08	1.24E-03	1.95E-07	7.65E-08	1.08E-03	1.71E-07	6.70E-08
5431	488829.08, 3857959.58	1.00E-03	1.58E-07	6.19E-08	1.23E-03	1.93E-07	7.58E-08	1.07E-03	1.69E-07	6.65E-08
5432	488351.61, 3857964.55	1.36E-03	2.15E-07	8.43E-08	1.67E-03	2.63E-07	1.03E-07	1.46E-03	2.31E-07	9.06E-08
5433	488316.87, 3857947.65	1.42E-03	2.23E-07	8.77E-08	1.73E-03	2.73E-07	1.07E-07	1.52E-03	2.40E-07	9.42E-08
5434	488129.1, 3857775.77	2.03E-03	3.20E-07	1.26E-07	2.49E-03	3.91E-07	1.54E-07	2.18E-03	3.43E-07	1.35E-07
5435	488062.53, 3857846.13	2.09E-03	3.30E-07	1.30E-07	2.56E-03	4.04E-07	1.59E-07	2.25E-03	3.54E-07	1.39E-07
5436	488330.41, 3858091.34	1.34E-03	2.11E-07	8.30E-08	1.64E-03	2.59E-07	1.02E-07	1.44E-03	2.27E-07	8.93E-08
5437	488470.87, 3858174.45	1.23E-03	1.93E-07	7.60E-08	1.50E-03	2.37E-07	9.31E-08	1.32E-03	2.08E-07	8.18E-08
5438	488568.9, 3858262.31	1.21E-03	1.90E-07	7.48E-08	1.48E-03	2.33E-07	9.16E-08	1.30E-03	2.05E-07	8.05E-08
5439	488964.27, 3858025.71	9.15E-04	1.44E-07	5.66E-08	1.12E-03	1.76E-07	6.93E-08	9.82E-04	1.55E-07	6.08E-08
5440	489147.25, 3857956.64	8.63E-04	1.36E-07	5.34E-08	1.06E-03	1.67E-07	6.54E-08	9.26E-04	1.46E-07	5.73E-08
5441	489343.52, 3857932.45	8.04E-04	1.27E-07	4.98E-08	9.85E-04	1.55E-07	6.10E-08	8.63E-04	1.36E-07	5.34E-08
5442	489866.19, 3857923.19	6.67E-04	1.05E-07	4.13E-08	8.17E-04	1.29E-07	5.06E-08	7.15E-04	1.13E-07	4.43E-08
5443	489955.65, 3857902.27	6.51E-04	1.03E-07	4.03E-08	7.97E-04	1.26E-07	4.94E-08	6.98E-04	1.10E-07	4.32E-08
5444	490079.44, 3857847.9	6.35E-04	1.00E-07	3.93E-08	7.77E-04	1.22E-07	4.81E-08	6.80E-04	1.07E-07	4.21E-08
5445	490108.49, 3857934.13	6.14E-04	9.68E-08	3.80E-08	7.52E-04	1.18E-07	4.66E-08	6.59E-04	1.04E-07	4.08E-08
5446	489884.48, 3858014.17	6.46E-04	1.02E-07	4.00E-08	7.91E-04	1.25E-07	4.90E-08	6.93E-04	1.09E-07	4.29E-08
5447	489326.56, 3858025.86	7.85E-04	1.24E-07	4.86E-08	9.62E-04	1.52E-07	5.95E-08	8.43E-04	1.33E-07	5.22E-08
5448	489130.38, 3858056.71	8.43E-04	1.33E-07	5.21E-08	1.03E-03	1.63E-07	6.39E-08	9.04E-04	1.42E-07	5.60E-08
5449	488936.49, 3858143.93	9.06E-04	1.43E-07	5.61E-08	1.11E-03	1.75E-07	6.87E-08	9.73E-04	1.53E-07	6.02E-08
5450	488638.08, 3858327.45	1.19E-03	1.88E-07	7.39E-08	1.46E-03	2.31E-07	9.06E-08	1.29E-03	2.03E-07	7.97E-08
5451	488663.79, 3858349.57	1.19E-03	1.87E-07	7.36E-08	1.46E-03	2.29E-07	9.01E-08	1.28E-03	2.02E-07	7.93E-08
5452	488694.56, 3858349.5	1.15E-03	1.81E-07	7.12E-08	1.41E-03	2.22E-07	8.72E-08	1.24E-03	1.95E-07	7.67E-08
5453	488694.35, 3858336.75	1.14E-03	1.79E-07	7.03E-08	1.39E-03	2.19E-07	8.62E-08	1.22E-03	1.93E-07	7.58E-08
5454	488712.81, 3858336.38	1.12E-03	1.76E-07	6.90E-08	1.37E-03	2.15E-07	8.46E-08	1.20E-03	1.89E-07	7.44E-08
5455	488713.23, 3858367.46	1.15E-03	1.81E-07	7.10E-08	1.41E-03	2.21E-07	8.70E-08	1.24E-03	1.95E-07	7.65E-08
5456	488704.63, 3858384.05	1.18E-03	1.86E-07	7.30E-08	1.44E-03	2.28E-07	8.94E-08	1.27E-03	2.00E-07	7.86E-08

5457	488604.15, 3858488.29	1.67E-03	2.63E-07	1.03E-07	2.05E-03	3.22E-07	1.27E-07	1.80E-03	2.84E-07	1.11E-07
5458	488605.66, 3858550.47	2.04E-03	3.21E-07	1.26E-07	2.50E-03	3.94E-07	1.55E-07	2.20E-03	3.47E-07	1.36E-07
5459	488692.68, 3858548.71	1.62E-03	2.55E-07	1.00E-07	1.98E-03	3.13E-07	1.23E-07	1.75E-03	2.75E-07	1.08E-07
5460	488759.93, 3858461.81	1.22E-03	1.92E-07	7.53E-08	1.49E-03	2.35E-07	9.22E-08	1.31E-03	2.06E-07	8.11E-08
5461	488816.57, 3858541.79	1.27E-03	2.00E-07	7.86E-08	1.56E-03	2.45E-07	9.63E-08	1.37E-03	2.16E-07	8.48E-08
5462	488944.63, 3858656.77	1.27E-03	1.99E-07	7.83E-08	1.55E-03	2.44E-07	9.59E-08	1.36E-03	2.15E-07	8.45E-08
5463	489134.91, 3858830.7	1.01E-03	1.59E-07	6.25E-08	1.24E-03	1.95E-07	7.66E-08	1.09E-03	1.72E-07	6.74E-08
5464	489193.99, 3858886.05	7.89E-04	1.24E-07	4.88E-08	9.66E-04	1.52E-07	5.98E-08	8.50E-04	1.34E-07	5.26E-08
5465	489295.2, 3858954.34	5.73E-04	9.02E-08	3.54E-08	7.01E-04	1.10E-07	4.34E-08	6.17E-04	9.72E-08	3.82E-08
5466	489295.64, 3858992.74	5.14E-04	8.09E-08	3.18E-08	6.29E-04	9.91E-08	3.89E-08	5.53E-04	8.72E-08	3.42E-08
5467	489183.74, 3858911.72	7.40E-04	1.17E-07	4.58E-08	9.06E-04	1.43E-07	5.61E-08	7.97E-04	1.26E-07	4.93E-08
5468	488873.37, 3858625.59	1.35E-03	2.13E-07	8.36E-08	1.65E-03	2.61E-07	1.02E-07	1.46E-03	2.29E-07	9.01E-08
5469	488842.84, 3858658.69	1.55E-03	2.45E-07	9.62E-08	1.90E-03	3.00E-07	1.18E-07	1.68E-03	2.64E-07	1.04E-07
5470	488856.39, 3858670.93	1.56E-03	2.45E-07	9.62E-08	1.91E-03	3.00E-07	1.18E-07	1.68E-03	2.64E-07	1.04E-07
5471	488805.7, 3858724.5	2.18E-03	3.43E-07	1.35E-07	2.67E-03	4.21E-07	1.65E-07	2.35E-03	3.71E-07	1.46E-07
5472	488805.87, 3858804.16	3.62E-03	5.70E-07	2.24E-07	4.44E-03	6.99E-07	2.75E-07	3.91E-03	6.16E-07	2.42E-07
5473	488995.78, 3858936.96	8.47E-04	1.33E-07	5.24E-08	1.04E-03	1.63E-07	6.42E-08	9.13E-04	1.44E-07	5.65E-08
5474	489130.76, 3859017.38	5.06E-04	7.96E-08	3.13E-08	6.19E-04	9.76E-08	3.83E-08	5.44E-04	8.58E-08	3.37E-08
5475	489130.92, 3859052.24	4.43E-04	6.98E-08	2.74E-08	5.43E-04	8.55E-08	3.36E-08	4.77E-04	7.52E-08	2.95E-08
5476	489200.33, 3859090.6	3.94E-04	6.21E-08	2.44E-08	4.83E-04	7.60E-08	2.99E-08	4.24E-04	6.68E-08	2.62E-08
5477	489296.07, 3859143.7	3.45E-04	5.44E-08	2.14E-08	4.23E-04	6.67E-08	2.62E-08	3.72E-04	5.86E-08	2.30E-08
5478	489296.43, 3858954.74	5.71E-04	9.00E-08	3.54E-08	7.00E-04	1.10E-07	4.33E-08	6.15E-04	9.70E-08	3.81E-08
5479	489410.33, 3859033.19	4.38E-04	6.90E-08	2.71E-08	5.36E-04	8.45E-08	3.32E-08	4.71E-04	7.42E-08	2.92E-08
5480	489371.37, 3859089.8	3.89E-04	6.13E-08	2.41E-08	4.77E-04	7.51E-08	2.95E-08	4.19E-04	6.60E-08	2.59E-08
5481	489390.52, 3859102.82	3.77E-04	5.94E-08	2.33E-08	4.62E-04	7.27E-08	2.86E-08	4.06E-04	6.39E-08	2.51E-08
5482	489382.3, 3859114.53	3.68E-04	5.79E-08	2.28E-08	4.50E-04	7.10E-08	2.79E-08	3.96E-04	6.23E-08	2.45E-08
5483	489363.04, 3859102.45	3.79E-04	5.97E-08	2.34E-08	4.64E-04	7.31E-08	2.87E-08	4.08E-04	6.42E-08	2.52E-08
5484	489337.52, 3859140.71	3.48E-04	5.48E-08	2.15E-08	4.26E-04	6.71E-08	2.64E-08	3.74E-04	5.89E-08	2.32E-08
5485	489375.14, 3859164.55	3.30E-04	5.21E-08	2.05E-08	4.05E-04	6.38E-08	2.51E-08	3.55E-04	5.60E-08	2.20E-08
5486	489409.3, 3859114.5	3.66E-04	5.77E-08	2.27E-08	4.49E-04	7.07E-08	2.78E-08	3.94E-04	6.21E-08	2.44E-08
5487	489434.87, 3859131.81	3.52E-04	5.55E-08	2.18E-08	4.31E-04	6.80E-08	2.67E-08	3.79E-04	5.97E-08	2.35E-08
5488	489471.87, 3859075.75	3.91E-04	6.16E-08	2.42E-08	4.79E-04	7.55E-08	2.97E-08	4.21E-04	6.63E-08	2.61E-08
5489	489602.62, 3859164.69	3.24E-04	5.10E-08	2.00E-08	3.96E-04	6.24E-08	2.45E-08	3.48E-04	5.48E-08	2.15E-08
5490	489558.29, 3859232.45	2.91E-04	4.59E-08	1.80E-08	3.57E-04	5.62E-08	2.21E-08	3.13E-04	4.93E-08	1.94E-08
5491	489620.11, 3859273.56	2.73E-04	4.29E-08	1.69E-08	3.34E-04	5.26E-08	2.07E-08	2.93E-04	4.62E-08	1.81E-08
5492	489666.06, 3859206.42	3.00E-04	4.73E-08	1.86E-08	3.68E-04	5.80E-08	2.28E-08	3.23E-04	5.09E-08	2.00E-08
5493	489787.9, 3859285.65	2.66E-04	4.18E-08	1.64E-08	3.25E-04	5.12E-08	2.01E-08	2.86E-04	4.50E-08	1.77E-08
5494	489752.17, 3859343.13	2.47E-04	3.89E-08	1.53E-08	3.02E-04	4.76E-08	1.87E-08	2.65E-04	4.18E-08	1.64E-08
5495	489814.94, 3859385.33	2.34E-04	3.69E-08	1.45E-08	2.87E-04	4.52E-08	1.77E-08	2.52E-04	3.96E-08	1.56E-08
5496	489853.42, 3859330.74	2.50E-04	3.93E-08	1.55E-08	3.06E-04	4.82E-08	1.89E-08	2.68E-04	4.23E-08	1.66E-08
5497	489969.5, 3859401.91	2.28E-04	3.60E-08	1.41E-08	2.80E-04	4.41E-08	1.73E-08	2.46E-04	3.87E-08	1.52E-08
5498	490166.91, 3859486.96	2.07E-04	3.26E-08	1.28E-08	2.53E-04	3.99E-08	1.57E-08	2.22E-04	3.50E-08	1.38E-08
5499	490128.86, 3859571.46	1.90E-04	3.00E-08	1.18E-08	2.33E-04	3.68E-08	1.44E-08	2.05E-04	3.22E-08	1.27E-08
5500	490186.65, 3859593.65	1.86E-04	2.94E-08	1.15E-08	2.28E-04	3.60E-08	1.41E-08	2.00E-04	3.16E-08	1.24E-08
5501	490223.74, 3859517.48	2.01E-04	3.16E-08	1.24E-08	2.46E-04	3.87E-08	1.52E-08	2.15E-04	3.39E-08	1.33E-08
5502	490846.34, 3859817.22	1.56E-04	2.45E-08	9.64E-09	1.91E-04	3.00E-08	1.18E-08	1.67E-04	2.63E-08	1.04E-08
5503	490925.65, 3859844.59	1.53E-04	2.41E-08	9.46E-09	1.87E-04	2.95E-08	1.16E-08	1.64E-04	2.59E-08	1.02E-08
5504	491159.29, 3859896.28	1.46E-04	2.31E-08	9.06E-09	1.79E-04	2.83E-08	1.11E-08	1.57E-04	2.48E-08	9.74E-09
5505	491370.69, 3859960.89	1.39E-04	2.19E-08	8.61E-09	1.70E-04	2.68E-08	1.05E-08	1.49E-04	2.35E-08	9.24E-09
5506	491330.28, 3860063.17	1.29E-04	2.03E-08	7.96E-09	1.57E-04	2.48E-08	9.75E-09	1.38E-04	2.18E-08	8.55E-09
5507	491636.45, 3860180.75	1.20E-04	1.89E-08	7.42E-09	1.47E-04	2.31E-08	9.09E-09	1.29E-04	2.03E-08	7.97E-09
5508	491617.94, 3860203.93	1.18E-04	1.86E-08	7.30E-09	1.44E-04	2.28E-08	8.94E-09	1.27E-04	2.00E-08	7.84E-09
5509	491805.68, 3860271.59	1.14E-04	1.79E-08	7.03E-09	1.39E-04	2.19E-08	8.60E-09	1.22E-04	1.92E-08	7.54E-09
5510	491654.23, 3860414.02	1.04E-04	1.64E-08	6.43E-09	1.27E-04	2.00E-08	7.87E-09	1.12E-04	1.76E-08	6.90E-09
5511	491592.62, 3860510.76	9.75E-05	1.54E-08	6.04E-09	1.19E-04	1.88E-08	7.39E-09	1.05E-04	1.65E-08	6.48E-09
5512	491475.41, 3860368.93	1.05E-04	1.65E-08	6.50E-09	1.29E-04	2.03E-08	7.96E-09	1.13E-04	1.78E-08	6.98E-09
5513	491445.61, 3860337.28	1.07E-04	1.68E-08	6.62E-09	1.31E-04	2.06E-08	8.10E-09	1.15E-04	1.81E-08	7.11E-09
5514	491399.05, 3860300.37	1.09E-04	1.72E-08	6.77E-09	1.34E-04	2.11E-08	8.29E-09	1.18E-04	1.85E-08	7.27E-09
5515	491228.84, 3860235.98	1.14E-04	1.79E-08	7.03E-09	1.39E-04	2.19E-08	8.61E-09	1.22E-04	1.92E-08	7.55E-09
5516	491228.47, 3860174.57	1.18E-04	1.86E-08	7.33E-09	1.45E-04	2.28E-08	8.97E-09	1.27E-04	2.00E-08	7.87E-09
5517	491145.77, 3860112.55	1.24E-04	1.95E-08	7.66E-09	1.52E-04	2.39E-08	9.38E-09	1.33E-04	2.09E-08	8.23E-09
5518	490844.41, 3859966.22	1.38E-04	2.18E-08	8.57E-09	1.70E-04	2.67E-08	1.05E-08	1.49E-04	2.34E-08	9.20E-09
5519	490845.55, 3859928.15	1.42E-04	2.24E-08	8.82E-09	1.74E-04	2.75E-08	1.08E-08	1.53E-04	2.41E-08	9.47E-09
5520	490046.91, 3859625.6	1.82E-04	2.86E-08	1.12E-08	2.23E-04	3.51E-08	1.38E-08	1.95E-04	3.08E-08	1.21E-08
5521	489970.48, 3859589.4	1.88E-04	2.97E-08	1.17E-08	2.31E-04	3.63E-08	1.43E-08	2.02E-04	3.19E-08	1.25E-08

5522	489865.89, 3859529.06	2.00E-04	3.15E-08	1.24E-08	2.45E-04	3.86E-08	1.52E-08	2.15E-04	3.39E-08	1.33E-08
5523	489826.89, 3859531.74	2.00E-04	3.15E-08	1.24E-08	2.45E-04	3.86E-08	1.52E-08	2.15E-04	3.39E-08	1.33E-08
5524	489410.47, 3859303.06	2.63E-04	4.15E-08	1.63E-08	3.22E-04	5.08E-08	2.00E-08	2.83E-04	4.46E-08	1.75E-08
5525	489407.15, 3859286.09	2.69E-04	4.24E-08	1.67E-08	3.30E-04	5.19E-08	2.04E-08	2.89E-04	4.56E-08	1.79E-08
5526	488806.07, 3858963.62	6.47E-04	1.02E-07	4.01E-08	7.93E-04	1.25E-07	4.91E-08	6.98E-04	1.10E-07	4.32E-08
5527	488817.64, 3859546.3	2.00E-04	3.15E-08	1.24E-08	2.45E-04	3.86E-08	1.52E-08	2.15E-04	3.39E-08	1.33E-08
5528	489187.25, 3859549.52	2.04E-04	3.22E-08	1.26E-08	2.50E-04	3.94E-08	1.55E-08	2.19E-04	3.46E-08	1.36E-08
5529	489187.66, 3859523.74	2.10E-04	3.30E-08	1.30E-08	2.57E-04	4.04E-08	1.59E-08	2.25E-04	3.55E-08	1.39E-08
5530	489232.59, 3859522.85	2.11E-04	3.32E-08	1.30E-08	2.58E-04	4.06E-08	1.60E-08	2.26E-04	3.56E-08	1.40E-08
5531	489224.98, 3859759.91	1.69E-04	2.67E-08	1.05E-08	2.07E-04	3.26E-08	1.28E-08	1.82E-04	2.86E-08	1.12E-08
5532	488401.39, 3859763.34	1.61E-04	2.54E-08	9.96E-09	1.97E-04	3.11E-08	1.22E-08	1.73E-04	2.73E-08	1.07E-08
5533	488405.51, 3859966.16	1.39E-04	2.20E-08	8.63E-09	1.71E-04	2.69E-08	1.06E-08	1.50E-04	2.36E-08	9.27E-09
5534	489202.85, 3859956.57	1.46E-04	2.30E-08	9.04E-09	1.79E-04	2.82E-08	1.11E-08	1.57E-04	2.47E-08	9.71E-09
5535	489191.9, 3860676.74	9.57E-05	1.51E-08	5.92E-09	1.17E-04	1.85E-08	7.25E-09	1.03E-04	1.62E-08	6.36E-09
5536	488392.82, 3860687.88	9.41E-05	1.48E-08	5.83E-09	1.15E-04	1.82E-08	7.14E-09	1.01E-04	1.59E-08	6.26E-09
5537	488392.82, 3860760.27	9.16E-05	1.44E-08	5.67E-09	1.12E-04	1.77E-08	6.95E-09	9.84E-05	1.55E-08	6.09E-09
5538	487549.05, 3860777.45	8.86E-05	1.40E-08	5.48E-09	1.09E-04	1.71E-08	6.72E-09	9.52E-05	1.50E-08	5.89E-09
5539	487554.62, 3859571.83	1.72E-04	2.71E-08	1.06E-08	2.11E-04	3.32E-08	1.30E-08	1.85E-04	2.91E-08	1.14E-08
5540	485949.46, 3859558.54	1.48E-04	2.33E-08	9.16E-09	1.81E-04	2.86E-08	1.12E-08	1.59E-04	2.50E-08	9.84E-09
5541	485947.55, 3857943.61	4.08E-04	6.44E-08	2.53E-08	5.00E-04	7.88E-08	3.10E-08	4.38E-04	6.90E-08	2.71E-08
5542	484738.38, 3857940.21	2.63E-04	4.14E-08	1.63E-08	3.22E-04	5.07E-08	1.99E-08	2.82E-04	4.45E-08	1.75E-08
5543	484737.06, 3857535.68	3.22E-04	5.08E-08	1.99E-08	3.95E-04	6.22E-08	2.44E-08	3.47E-04	5.46E-08	2.14E-08
5544	483730.2, 3857530.13	2.31E-04	3.65E-08	1.43E-08	2.83E-04	4.47E-08	1.75E-08	2.49E-04	3.92E-08	1.54E-08
5545	483727.27, 3857130.01	2.71E-04	4.26E-08	1.68E-08	3.32E-04	5.22E-08	2.05E-08	2.91E-04	4.58E-08	1.80E-08
5546	483124.42, 3857123.45	2.19E-04	3.46E-08	1.36E-08	2.69E-04	4.23E-08	1.66E-08	2.36E-04	3.71E-08	1.46E-08
5547	483111.13, 3855921.03	3.22E-04	5.08E-08	1.99E-08	3.95E-04	6.22E-08	2.44E-08	3.46E-04	5.45E-08	2.14E-08
5548	482701.73, 3855918.24	2.65E-04	4.17E-08	1.64E-08	3.24E-04	5.11E-08	2.01E-08	2.84E-04	4.48E-08	1.76E-08
5549	482668.02, 3853521.78	2.85E-04	4.49E-08	1.76E-08	3.49E-04	5.50E-08	2.16E-08	3.07E-04	4.84E-08	1.90E-08
5550	482579.91, 3853219.19	1.52E-04	2.39E-08	9.39E-09	1.86E-04	2.93E-08	1.15E-08	1.63E-04	2.57E-08	1.01E-08
5551	482434.06, 3852961.94	1.22E-04	1.92E-08	7.53E-09	1.49E-04	2.35E-08	9.22E-09	1.31E-04	2.06E-08	8.09E-09
5552	482332.11, 3852832.85	1.11E-04	1.75E-08	6.87E-09	1.36E-04	2.14E-08	8.41E-09	1.19E-04	1.88E-08	7.38E-09
5553	481334.99, 3851818.96	6.53E-05	1.03E-08	4.04E-09	8.00E-05	1.26E-08	4.95E-09	7.01E-05	1.10E-08	4.34E-09
5554	481127.62, 3851646.36	6.03E-05	9.51E-09	3.73E-09	7.39E-05	1.16E-08	4.58E-09	6.48E-05	1.02E-08	4.01E-09
5555	481025.04, 3851591.73	5.84E-05	9.20E-09	3.61E-09	7.15E-05	1.13E-08	4.43E-09	6.27E-05	9.88E-09	3.88E-09
5556	480513.6, 3851335.76	4.91E-05	7.73E-09	3.04E-09	6.01E-05	9.47E-09	3.72E-09	5.27E-05	8.31E-09	3.26E-09
5557	480523.56, 3851317.66	4.93E-05	7.76E-09	3.05E-09	6.03E-05	9.50E-09	3.73E-09	5.29E-05	8.34E-09	3.28E-09
5558	476921.56, 3849569.11	2.21E-05	3.47E-09	1.36E-09	2.70E-05	4.25E-09	1.67E-09	2.37E-05	3.73E-09	1.47E-09
5559	476521.19, 3849373.96	2.05E-05	3.23E-09	1.27E-09	2.51E-05	3.96E-09	1.55E-09	2.20E-05	3.47E-09	1.36E-09
5560	476391.45, 3849333.38	2.03E-05	3.20E-09	1.26E-09	2.48E-05	3.91E-09	1.54E-09	2.18E-05	3.43E-09	1.35E-09
5561	476219.41, 3849304.29	2.01E-05	3.17E-09	1.24E-09	2.46E-05	3.88E-09	1.52E-09	2.16E-05	3.40E-09	1.34E-09
5562	475679.11, 3849218.47	1.92E-05	3.02E-09	1.19E-09	2.35E-05	3.70E-09	1.45E-09	2.06E-05	3.25E-09	1.28E-09
5563	475677.71, 3849233.88	1.93E-05	3.04E-09	1.19E-09	2.36E-05	3.73E-09	1.46E-09	2.07E-05	3.27E-09	1.28E-09
5564	475492.74, 3849204.66	1.75E-05	2.76E-09	1.08E-09	2.14E-05	3.38E-09	1.33E-09	1.88E-05	2.96E-09	1.16E-09
5565	475497.64, 3849158.75	1.79E-05	2.82E-09	1.11E-09	2.19E-05	3.46E-09	1.36E-09	1.92E-05	3.03E-09	1.19E-09
5566	475391.35, 3849141.94	1.83E-05	2.89E-09	1.13E-09	2.25E-05	3.54E-09	1.39E-09	1.97E-05	3.10E-09	1.22E-09
5567	475277, 3849095.47	1.83E-05	2.88E-09	1.13E-09	2.24E-05	3.53E-09	1.39E-09	1.96E-05	3.09E-09	1.22E-09
5568	475183.93, 3849025.66	1.79E-05	2.82E-09	1.11E-09	2.20E-05	3.46E-09	1.36E-09	1.93E-05	3.03E-09	1.19E-09
5569	474453.23, 3848378.77	1.55E-05	2.44E-09	9.60E-10	1.90E-05	2.99E-09	1.18E-09	1.67E-05	2.62E-09	1.03E-09
5570	474569.63, 3848399.34	1.54E-05	2.43E-09	9.54E-10	1.89E-05	2.97E-09	1.17E-09	1.66E-05	2.61E-09	1.02E-09
5571	474644.33, 3848464.52	1.57E-05	2.47E-09	9.69E-10	1.92E-05	3.02E-09	1.19E-09	1.68E-05	2.65E-09	1.04E-09
5572	474719.04, 3848529.7	1.59E-05	2.50E-09	9.84E-10	1.95E-05	3.07E-09	1.21E-09	1.71E-05	2.69E-09	1.06E-09
5573	474793.74, 3848594.88	1.60E-05	2.53E-09	9.93E-10	1.96E-05	3.09E-09	1.22E-09	1.72E-05	2.71E-09	1.07E-09
5574	474868.45, 3848660.07	1.61E-05	2.54E-09	9.96E-10	1.97E-05	3.11E-09	1.22E-09	1.73E-05	2.72E-09	1.07E-09
5575	474943.15, 3848725.25	1.63E-05	2.56E-09	1.01E-09	1.99E-05	3.14E-09	1.23E-09	1.75E-05	2.75E-09	1.08E-09
5576	475017.86, 3848790.43	1.66E-05	2.61E-09	1.03E-09	2.03E-05	3.20E-09	1.26E-09	1.78E-05	2.80E-09	1.10E-09
5577	475092.56, 3848855.61	1.69E-05	2.67E-09	1.05E-09	2.08E-05	3.27E-09	1.28E-09	1.82E-05	2.87E-09	1.13E-09
5578	475232.58, 3848959.38	1.75E-05	2.75E-09	1.08E-09	2.14E-05	3.37E-09	1.32E-09	1.88E-05	2.96E-09	1.16E-09
5579	475368.47, 3849029.98	1.77E-05	2.79E-09	1.09E-09	2.17E-05	3.41E-09	1.34E-09	1.90E-05	2.99E-09	1.18E-09
5580	475609.57, 3849096.09	1.78E-05	2.81E-09	1.10E-09	2.18E-05	3.44E-09	1.35E-09	1.91E-05	3.01E-09	1.18E-09
5581	475680.68, 3849116.62	1.82E-05	2.86E-09	1.12E-09	2.23E-05	3.51E-09	1.38E-09	1.95E-05	3.08E-09	1.21E-09
5582	475843.76, 3849151.52	1.86E-05	2.93E-09	1.15E-09	2.28E-05	3.59E-09	1.41E-09	2.00E-05	3.15E-09	1.24E-09
5583	475935.73, 3849165.89	1.90E-05	3.00E-09	1.18E-09	2.33E-05	3.67E-09	1.44E-09	2.05E-05	3.22E-09	1.27E-09
5584	476027.71, 3849180.27	1.94E-05	3.05E-09	1.20E-09	2.37E-05	3.74E-09	1.47E-09	2.08E-05	3.28E-09	1.29E-09
5585	476119.68, 3849194.64	1.91E-05	3.02E-09	1.18E-09	2.34E-05	3.69E-09	1.45E-09	2.06E-05	3.24E-09	1.27E-09
5586	476211.65, 3849209.01	1.92E-05	3.02E-09	1.19E-09	2.35E-05	3.70E-09	1.45E-09	2.06E-05	3.25E-09	1.28E-09

5587 476497.81, 3849283.9	1.96E-05	3.09E-09	1.21E-09	2.40E-05	3.79E-09	1.49E-09	2.11E-05	3.32E-09	1.31E-09
5588 476603.73, 3849323.77	1.99E-05	3.14E-09	1.23E-09	2.44E-05	3.85E-09	1.51E-09	2.14E-05	3.37E-09	1.33E-09
5589 476728.99, 3849382.76	2.03E-05	3.20E-09	1.26E-09	2.49E-05	3.92E-09	1.54E-09	2.18E-05	3.44E-09	1.35E-09
5590 476801.27, 3849418.65	2.06E-05	3.24E-09	1.27E-09	2.52E-05	3.97E-09	1.56E-09	2.21E-05	3.49E-09	1.37E-09
5591 476956.2, 3849495.05	2.12E-05	3.34E-09	1.31E-09	2.59E-05	4.09E-09	1.61E-09	2.28E-05	3.58E-09	1.41E-09
5592 477038.84, 3849535.56	2.13E-05	3.36E-09	1.32E-09	2.61E-05	4.12E-09	1.62E-09	2.29E-05	3.61E-09	1.42E-09
5593 477121.49, 3849576.08	2.16E-05	3.41E-09	1.34E-09	2.65E-05	4.17E-09	1.64E-09	2.32E-05	3.66E-09	1.44E-09
5594 477204.13, 3849616.6	2.18E-05	3.43E-09	1.35E-09	2.67E-05	4.21E-09	1.65E-09	2.34E-05	3.69E-09	1.45E-09
5595 477286.78, 3849657.12	2.16E-05	3.40E-09	1.34E-09	2.64E-05	4.16E-09	1.64E-09	2.32E-05	3.65E-09	1.43E-09
5596 477369.42, 3849697.63	2.23E-05	3.52E-09	1.38E-09	2.73E-05	4.31E-09	1.69E-09	2.40E-05	3.78E-09	1.48E-09
5597 477452.07, 3849738.15	2.25E-05	3.54E-09	1.39E-09	2.75E-05	4.33E-09	1.70E-09	2.41E-05	3.80E-09	1.49E-09
5598 477534.71, 3849778.67	2.31E-05	3.64E-09	1.43E-09	2.83E-05	4.45E-09	1.75E-09	2.48E-05	3.91E-09	1.54E-09
5599 477617.36, 3849819.18	2.33E-05	3.67E-09	1.44E-09	2.85E-05	4.50E-09	1.77E-09	2.50E-05	3.94E-09	1.55E-09
5600 477824.74, 3849896.37	2.39E-05	3.77E-09	1.48E-09	2.93E-05	4.62E-09	1.81E-09	2.57E-05	4.05E-09	1.59E-09
5601 477906.31, 3849936.37	2.36E-05	3.71E-09	1.46E-09	2.89E-05	4.55E-09	1.79E-09	2.53E-05	3.99E-09	1.57E-09
5602 477987.89, 3849976.36	2.41E-05	3.79E-09	1.49E-09	2.95E-05	4.65E-09	1.83E-09	2.59E-05	4.08E-09	1.60E-09
5603 478069.47, 3850016.36	2.39E-05	3.77E-09	1.48E-09	2.93E-05	4.62E-09	1.81E-09	2.57E-05	4.05E-09	1.59E-09
5604 478151.04, 3850056.35	2.38E-05	3.75E-09	1.47E-09	2.92E-05	4.60E-09	1.81E-09	2.56E-05	4.03E-09	1.59E-09
5605 478232.62, 3850096.35	2.42E-05	3.81E-09	1.50E-09	2.96E-05	4.67E-09	1.83E-09	2.60E-05	4.09E-09	1.61E-09
5606 478314.2, 3850136.34	2.46E-05	3.87E-09	1.52E-09	3.01E-05	4.75E-09	1.86E-09	2.64E-05	4.16E-09	1.64E-09
5607 478395.77, 3850176.34	2.51E-05	3.95E-09	1.55E-09	3.07E-05	4.83E-09	1.90E-09	2.69E-05	4.24E-09	1.67E-09
5608 478575.43, 3850244.45	2.61E-05	4.11E-09	1.62E-09	3.20E-05	5.04E-09	1.98E-09	2.81E-05	4.42E-09	1.74E-09
5609 478665.06, 3850287.29	2.68E-05	4.23E-09	1.66E-09	3.29E-05	5.18E-09	2.03E-09	2.88E-05	4.54E-09	1.78E-09
5610 478754.69, 3850330.14	2.76E-05	4.34E-09	1.71E-09	3.38E-05	5.32E-09	2.09E-09	2.96E-05	4.67E-09	1.83E-09
5611 478844.32, 3850372.99	2.84E-05	4.48E-09	1.76E-09	3.48E-05	5.48E-09	2.15E-09	3.05E-05	4.81E-09	1.89E-09
5612 478933.95, 3850415.84	2.94E-05	4.62E-09	1.82E-09	3.60E-05	5.66E-09	2.23E-09	3.15E-05	4.97E-09	1.95E-09
5613 479023.58, 3850458.68	3.00E-05	4.72E-09	1.85E-09	3.67E-05	5.78E-09	2.27E-09	3.22E-05	5.07E-09	1.99E-09
5614 479110.66, 3850441.91	3.08E-05	4.86E-09	1.91E-09	3.78E-05	5.95E-09	2.34E-09	3.31E-05	5.22E-09	2.05E-09
5615 479191.22, 3850423.99	3.16E-05	4.98E-09	1.96E-09	3.87E-05	6.10E-09	2.40E-09	3.40E-05	5.35E-09	2.10E-09
5616 479274.32, 3850465.71	3.24E-05	5.11E-09	2.01E-09	3.97E-05	6.26E-09	2.46E-09	3.49E-05	5.49E-09	2.16E-09
5617 479357.43, 3850507.42	3.32E-05	5.22E-09	2.05E-09	4.06E-05	6.40E-09	2.51E-09	3.56E-05	5.61E-09	2.21E-09
5618 479440.53, 3850549.14	3.38E-05	5.33E-09	2.09E-09	4.14E-05	6.52E-09	2.56E-09	3.63E-05	5.72E-09	2.25E-09
5619 479523.64, 3850590.85	3.46E-05	5.46E-09	2.14E-09	4.24E-05	6.68E-09	2.63E-09	3.72E-05	5.86E-09	2.30E-09
5620 479606.74, 3850632.57	3.56E-05	5.61E-09	2.20E-09	4.36E-05	6.87E-09	2.70E-09	3.83E-05	6.03E-09	2.37E-09
5621 479777.37, 3850707.61	3.77E-05	5.94E-09	2.33E-09	4.62E-05	7.28E-09	2.86E-09	4.05E-05	6.38E-09	2.51E-09
5622 479864.9, 3850740.95	3.90E-05	6.14E-09	2.41E-09	4.78E-05	7.53E-09	2.96E-09	4.19E-05	6.60E-09	2.59E-09
5623 479931.87, 3850829.57	4.00E-05	6.29E-09	2.47E-09	4.89E-05	7.71E-09	3.03E-09	4.29E-05	6.76E-09	2.66E-09
5624 479995.55, 3850926.75	4.10E-05	6.46E-09	2.54E-09	5.02E-05	7.91E-09	3.11E-09	4.40E-05	6.94E-09	2.73E-09
5625 480079.78, 3850968.64	4.23E-05	6.66E-09	2.62E-09	5.18E-05	8.16E-09	3.21E-09	4.54E-05	7.16E-09	2.81E-09
5626 480164.01, 3851010.54	4.36E-05	6.87E-09	2.70E-09	5.34E-05	8.41E-09	3.30E-09	4.68E-05	7.38E-09	2.90E-09
5627 480248.23, 3851052.43	4.48E-05	7.06E-09	2.78E-09	5.49E-05	8.65E-09	3.40E-09	4.82E-05	7.59E-09	2.98E-09
5628 480332.46, 3851094.33	4.62E-05	7.27E-09	2.86E-09	5.65E-05	8.91E-09	3.50E-09	4.96E-05	7.81E-09	3.07E-09
5629 480416.69, 3851136.22	4.74E-05	7.47E-09	2.93E-09	5.81E-05	9.15E-09	3.59E-09	5.10E-05	8.03E-09	3.15E-09
5630 480579.95, 3851215.17	5.00E-05	7.88E-09	3.09E-09	6.13E-05	9.65E-09	3.79E-09	5.37E-05	8.46E-09	3.33E-09
5631 480658.98, 3851252.22	5.13E-05	8.08E-09	3.18E-09	6.28E-05	9.90E-09	3.89E-09	5.51E-05	8.68E-09	3.41E-09
5632 480817.36, 3851327.85	5.38E-05	8.48E-09	3.33E-09	6.59E-05	1.04E-08	4.08E-09	5.78E-05	9.11E-09	3.58E-09
5633 480896.72, 3851366.43	5.51E-05	8.68E-09	3.41E-09	6.75E-05	1.06E-08	4.18E-09	5.92E-05	9.33E-09	3.66E-09
5634 480976.07, 3851405	5.63E-05	8.87E-09	3.49E-09	6.90E-05	1.09E-08	4.27E-09	6.05E-05	9.53E-09	3.75E-09
5635 481178, 3851487.31	5.92E-05	9.33E-09	3.67E-09	7.26E-05	1.14E-08	4.49E-09	6.37E-05	1.00E-08	3.94E-09
5636 481244.9, 3851557.17	6.08E-05	9.58E-09	3.76E-09	7.45E-05	1.17E-08	4.61E-09	6.53E-05	1.03E-08	4.04E-09
5637 481311.81, 3851627.03	6.25E-05	9.84E-09	3.87E-09	7.65E-05	1.21E-08	4.74E-09	6.71E-05	1.06E-08	4.15E-09
5638 481378.71, 3851696.89	6.43E-05	1.01E-08	3.98E-09	7.87E-05	1.24E-08	4.87E-09	6.90E-05	1.09E-08	4.27E-09
5639 481445.61, 3851766.76	6.61E-05	1.04E-08	4.09E-09	8.10E-05	1.28E-08	5.01E-09	7.10E-05	1.12E-08	4.40E-09
5640 481512.51, 3851836.62	6.81E-05	1.07E-08	4.21E-09	8.34E-05	1.31E-08	5.16E-09	7.32E-05	1.15E-08	4.53E-09
5641 481579.42, 3851906.48	7.02E-05	1.11E-08	4.34E-09	8.60E-05	1.35E-08	5.32E-09	7.54E-05	1.19E-08	4.67E-09
5642 481646.32, 3851976.34	7.24E-05	1.14E-08	4.48E-09	8.87E-05	1.40E-08	5.49E-09	7.78E-05	1.23E-08	4.82E-09
5643 481713.22, 3852046.2	7.48E-05	1.18E-08	4.63E-09	9.17E-05	1.44E-08	5.67E-09	8.04E-05	1.27E-08	4.98E-09
5644 481780.12, 3852116.06	7.73E-05	1.22E-08	4.78E-09	9.47E-05	1.49E-08	5.86E-09	8.31E-05	1.31E-08	5.14E-09
5645 481847.03, 3852185.92	7.99E-05	1.26E-08	4.94E-09	9.78E-05	1.54E-08	6.06E-09	8.58E-05	1.35E-08	5.31E-09
5646 481913.93, 3852255.78	8.25E-05	1.30E-08	5.11E-09	1.01E-04	1.59E-08	6.25E-09	8.86E-05	1.40E-08	5.49E-09
5647 481980.83, 3852325.65	8.50E-05	1.34E-08	5.26E-09	1.04E-04	1.64E-08	6.45E-09	9.14E-05	1.44E-08	5.65E-09
5648 482047.73, 3852395.51	8.80E-05	1.39E-08	5.45E-09	1.08E-04	1.70E-08	6.67E-09	9.46E-05	1.49E-08	5.85E-09
5649 482114.64, 3852465.37	9.09E-05	1.43E-08	5.63E-09	1.11E-04	1.75E-08	6.89E-09	9.77E-05	1.54E-08	6.05E-09
5650 482181.54, 3852535.23	9.46E-05	1.49E-08	5.86E-09	1.16E-04	1.83E-08	7.17E-09	1.02E-04	1.60E-08	6.29E-09
5651 482338.69, 3852700.05	1.04E-04	1.64E-08	6.43E-09	1.27E-04	2.00E-08	7.87E-09	1.12E-04	1.76E-08	6.91E-09

5652	482404.05, 3852767.78	1.08E-04	1.70E-08	6.70E-09	1.33E-04	2.09E-08	8.20E-09	1.16E-04	1.83E-08	7.20E-09
5653	482469.4, 3852835.52	1.13E-04	1.78E-08	6.99E-09	1.38E-04	2.18E-08	8.57E-09	1.21E-04	1.91E-08	7.52E-09
5654	482534.75, 3852903.25	1.19E-04	1.87E-08	7.35E-09	1.45E-04	2.29E-08	9.00E-09	1.28E-04	2.01E-08	7.90E-09
5655	482600.11, 3852970.99	1.25E-04	1.97E-08	7.75E-09	1.53E-04	2.42E-08	9.49E-09	1.35E-04	2.12E-08	8.33E-09
5656	482706.71, 3853119.28	1.44E-04	2.27E-08	8.91E-09	1.76E-04	2.78E-08	1.09E-08	1.55E-04	2.44E-08	9.58E-09
5657	482747.96, 3853199.84	1.56E-04	2.46E-08	9.68E-09	1.92E-04	3.02E-08	1.19E-08	1.68E-04	2.65E-08	1.04E-08
5658	482789.21, 3853280.4	1.73E-04	2.72E-08	1.07E-08	2.11E-04	3.33E-08	1.31E-08	1.86E-04	2.92E-08	1.15E-08
5659	482830.46, 3853360.96	1.95E-04	3.08E-08	1.21E-08	2.39E-04	3.77E-08	1.48E-08	2.10E-04	3.31E-08	1.30E-08
5660	482871.71, 3853441.52	2.32E-04	3.66E-08	1.44E-08	2.85E-04	4.48E-08	1.76E-08	2.50E-04	3.94E-08	1.55E-08
5661	482912.95, 3853522.07	3.70E-04	5.83E-08	2.29E-08	4.53E-04	7.14E-08	2.80E-08	3.99E-04	6.28E-08	2.47E-08
5662	482954.2, 3853602.63	1.13E-03	1.78E-07	6.99E-08	1.38E-03	2.18E-07	8.56E-08	1.22E-03	1.92E-07	7.54E-08
5663	482995.45, 3853683.19	1.41E-03	2.22E-07	8.70E-08	1.72E-03	2.71E-07	1.07E-07	1.52E-03	2.39E-07	9.40E-08
5664	483036.7, 3853763.75	1.42E-03	2.24E-07	8.82E-08	1.75E-03	2.75E-07	1.08E-07	1.54E-03	2.42E-07	9.52E-08
5665	483214.2, 3853909.91	9.67E-04	1.52E-07	5.98E-08	1.18E-03	1.87E-07	7.33E-08	1.04E-03	1.64E-07	6.45E-08
5666	483307.01, 3853910.44	8.37E-04	1.32E-07	5.18E-08	1.03E-03	1.61E-07	6.34E-08	9.02E-04	1.42E-07	5.58E-08
5667	483399.83, 3853910.96	7.38E-04	1.16E-07	4.57E-08	9.04E-04	1.42E-07	5.60E-08	7.96E-04	1.25E-07	4.92E-08
5668	483494.52, 3854009.24	7.43E-04	1.17E-07	4.60E-08	9.10E-04	1.43E-07	5.63E-08	8.01E-04	1.26E-07	4.95E-08
5669	483496.41, 3854106.98	8.24E-04	1.30E-07	5.10E-08	1.01E-03	1.59E-07	6.25E-08	8.88E-04	1.40E-07	5.49E-08
5670	483577.56, 3854261.96	9.17E-04	1.45E-07	5.68E-08	1.12E-03	1.77E-07	6.96E-08	9.88E-04	1.56E-07	6.12E-08
5671	483656.83, 3854319.19	9.24E-04	1.46E-07	5.72E-08	1.13E-03	1.78E-07	7.01E-08	9.95E-04	1.57E-07	6.16E-08
5672	483736.1, 3854376.41	9.50E-04	1.50E-07	5.88E-08	1.16E-03	1.83E-07	7.21E-08	1.02E-03	1.61E-07	6.33E-08
5673	483815.37, 3854433.64	9.98E-04	1.57E-07	6.18E-08	1.22E-03	1.93E-07	7.57E-08	1.07E-03	1.69E-07	6.65E-08
5674	483894.63, 3854490.87	1.07E-03	1.68E-07	6.61E-08	1.31E-03	2.06E-07	8.10E-08	1.15E-03	1.81E-07	7.12E-08
5675	483973.9, 3854548.1	1.18E-03	1.86E-07	7.32E-08	1.45E-03	2.28E-07	8.97E-08	1.27E-03	2.00E-07	7.87E-08
5676	484053.17, 3854605.32	1.42E-03	2.24E-07	8.79E-08	1.74E-03	2.74E-07	1.08E-07	1.53E-03	2.41E-07	9.46E-08
5677	484214.97, 3854698.15	2.45E-03	3.86E-07	1.52E-07	3.00E-03	4.73E-07	1.86E-07	2.64E-03	4.15E-07	1.63E-07
5678	484297.5, 3854733.74	3.19E-03	5.03E-07	1.97E-07	3.91E-03	6.16E-07	2.42E-07	3.43E-03	5.41E-07	2.12E-07
5679	484380.03, 3854769.34	3.85E-03	6.07E-07	2.38E-07	4.72E-03	7.44E-07	2.92E-07	4.14E-03	6.53E-07	2.56E-07
5680	484462.56, 3854804.94	4.98E-03	7.85E-07	3.08E-07	6.11E-03	9.62E-07	3.78E-07	5.35E-03	8.43E-07	3.31E-07
5681	484545.09, 3854840.53	6.01E-03	9.47E-07	3.72E-07	7.37E-03	1.16E-06	4.56E-07	6.45E-03	1.02E-06	3.99E-07
5682	484691.88, 3854912.59	7.41E-03	1.17E-06	4.59E-07	9.08E-03	1.43E-06	5.62E-07	7.94E-03	1.25E-06	4.91E-07
5683	484830.81, 3855012.51	6.90E-03	1.09E-06	4.27E-07	8.46E-03	1.33E-06	5.23E-07	7.37E-03	1.16E-06	4.56E-07
5684	484905.48, 3855075.97	6.92E-03	1.09E-06	4.29E-07	8.48E-03	1.34E-06	5.25E-07	7.41E-03	1.17E-06	4.59E-07
5685	484980.14, 3855139.44	6.89E-03	1.08E-06	4.26E-07	8.44E-03	1.33E-06	5.22E-07	7.39E-03	1.16E-06	4.57E-07
5686	485054.81, 3855202.91	6.80E-03	1.07E-06	4.21E-07	8.33E-03	1.31E-06	5.15E-07	7.30E-03	1.15E-06	4.52E-07
5687	485129.48, 3855266.37	6.58E-03	1.04E-06	4.07E-07	8.06E-03	1.27E-06	4.99E-07	7.08E-03	1.12E-06	4.38E-07
5688	485204.15, 3855329.84	6.71E-03	1.06E-06	4.15E-07	8.22E-03	1.29E-06	5.09E-07	7.22E-03	1.14E-06	4.47E-07
5689	485278.82, 3855393.31	6.66E-03	1.05E-06	4.12E-07	8.16E-03	1.29E-06	5.05E-07	7.18E-03	1.13E-06	4.44E-07
5690	485353.48, 3855456.77	6.69E-03	1.05E-06	4.14E-07	8.19E-03	1.29E-06	5.07E-07	7.21E-03	1.14E-06	4.46E-07
5691	485428.15, 3855520.24	6.63E-03	1.04E-06	4.10E-07	8.12E-03	1.28E-06	5.03E-07	7.15E-03	1.13E-06	4.42E-07
5692	485502.82, 3855583.71	6.60E-03	1.04E-06	4.08E-07	8.08E-03	1.27E-06	5.00E-07	7.12E-03	1.12E-06	4.41E-07
5693	485577.49, 3855647.17	6.67E-03	1.05E-06	4.13E-07	8.17E-03	1.29E-06	5.06E-07	7.20E-03	1.13E-06	4.46E-07
5694	485652.16, 3855710.64	6.71E-03	1.06E-06	4.16E-07	8.23E-03	1.30E-06	5.09E-07	7.25E-03	1.14E-06	4.48E-07
5695	485726.83, 3855774.11	6.70E-03	1.05E-06	4.14E-07	8.20E-03	1.29E-06	5.08E-07	7.23E-03	1.14E-06	4.47E-07
5696	485801.49, 3855837.57	6.63E-03	1.04E-06	4.10E-07	8.12E-03	1.28E-06	5.03E-07	7.15E-03	1.13E-06	4.43E-07
5697	485876.16, 3855901.04	6.63E-03	1.05E-06	4.11E-07	8.13E-03	1.28E-06	5.03E-07	7.16E-03	1.13E-06	4.43E-07
5698	485950.83, 3855964.5	6.59E-03	1.04E-06	4.08E-07	8.07E-03	1.27E-06	5.00E-07	7.11E-03	1.12E-06	4.40E-07
5699	486025.5, 3856027.97	6.50E-03	1.02E-06	4.02E-07	7.96E-03	1.25E-06	4.93E-07	7.02E-03	1.11E-06	4.34E-07
5700	486100.17, 3856091.44	6.64E-03	1.05E-06	4.11E-07	8.13E-03	1.28E-06	5.03E-07	7.16E-03	1.13E-06	4.43E-07
5701	486174.83, 3856154.9	6.51E-03	1.02E-06	4.03E-07	7.97E-03	1.26E-06	4.93E-07	7.02E-03	1.11E-06	4.35E-07
5702	486249.5, 3856218.37	6.19E-03	9.76E-07	3.83E-07	7.59E-03	1.20E-06	4.70E-07	6.69E-03	1.05E-06	4.14E-07
5703	486324.17, 3856281.84	6.13E-03	9.65E-07	3.79E-07	7.51E-03	1.18E-06	4.65E-07	6.62E-03	1.04E-06	4.09E-07
5704	486398.84, 3856345.3	6.35E-03	1.00E-06	3.93E-07	7.78E-03	1.23E-06	4.81E-07	6.86E-03	1.08E-06	4.24E-07
5705	486473.51, 3856408.77	6.41E-03	1.01E-06	3.97E-07	7.85E-03	1.24E-06	4.86E-07	6.92E-03	1.09E-06	4.28E-07
5706	486548.17, 3856472.24	6.52E-03	1.03E-06	4.03E-07	7.98E-03	1.26E-06	4.94E-07	7.03E-03	1.11E-06	4.35E-07
5707	486622.84, 3856535.7	6.57E-03	1.04E-06	4.07E-07	8.05E-03	1.27E-06	4.98E-07	7.09E-03	1.12E-06	4.39E-07
5708	486765.48, 3856659.69	6.62E-03	1.04E-06	4.10E-07	8.11E-03	1.28E-06	5.02E-07	7.14E-03	1.13E-06	4.42E-07
5709	486833.44, 3856720.2	6.68E-03	1.05E-06	4.13E-07	8.18E-03	1.29E-06	5.06E-07	7.21E-03	1.14E-06	4.46E-07
5710	486901.41, 3856780.72	6.67E-03	1.05E-06	4.13E-07	8.17E-03	1.29E-06	5.06E-07	7.20E-03	1.13E-06	4.46E-07
5711	486969.38, 3856841.24	6.66E-03	1.05E-06	4.12E-07	8.15E-03	1.28E-06	5.05E-07	7.18E-03	1.13E-06	4.44E-07
5712	487037.34, 3856901.75	6.59E-03	1.04E-06	4.08E-07	8.08E-03	1.27E-06	5.00E-07	7.11E-03	1.12E-06	4.40E-07
5713	487271.23, 3856855.51	3.59E-03	5.65E-07	2.22E-07	4.39E-03	6.92E-07	2.72E-07	3.86E-03	6.09E-07	2.39E-07
5714	487368.96, 3856857.29	3.13E-03	4.93E-07	1.94E-07	3.83E-03	6.04E-07	2.37E-07	3.37E-03	5.31E-07	2.09E-07
5715	487466.68, 3856859.06	2.78E-03	4.37E-07	1.72E-07	3.40E-03	5.36E-07	2.10E-07	2.99E-03	4.71E-07	1.85E-07
5716	487636.44, 3856930	2.40E-03	3.77E-07	1.48E-07	2.93E-03	4.62E-07	1.82E-07	2.57E-03	4.05E-07	1.59E-07

5717	487709.57, 3856928.43	2.24E-03	3.53E-07	1.39E-07	2.74E-03	4.32E-07	1.70E-07	2.40E-03	3.78E-07	1.49E-07
5718	487782.55, 3856841.96	2.05E-03	3.23E-07	1.27E-07	2.51E-03	3.95E-07	1.55E-07	2.20E-03	3.47E-07	1.36E-07
5719	487849.83, 3856754.74	1.88E-03	2.96E-07	1.16E-07	2.30E-03	3.63E-07	1.43E-07	2.02E-03	3.19E-07	1.25E-07
5720	487918.03, 3856819.39	1.84E-03	2.89E-07	1.14E-07	2.25E-03	3.54E-07	1.39E-07	1.97E-03	3.11E-07	1.22E-07
5721	487918.8, 3856886.37	1.87E-03	2.95E-07	1.16E-07	2.30E-03	3.62E-07	1.42E-07	2.01E-03	3.17E-07	1.24E-07
5722	488065.47, 3857127.51	1.84E-03	2.89E-07	1.14E-07	2.25E-03	3.54E-07	1.39E-07	1.95E-03	3.08E-07	1.21E-07
5723	488192.19, 3857385.84	1.80E-03	2.83E-07	1.11E-07	2.20E-03	3.47E-07	1.36E-07	1.91E-03	3.01E-07	1.18E-07
5724	488191.22, 3857473.87	1.83E-03	2.89E-07	1.13E-07	2.25E-03	3.54E-07	1.39E-07	1.95E-03	3.08E-07	1.21E-07
5725	488190.24, 3857561.91	1.87E-03	2.95E-07	1.16E-07	2.29E-03	3.61E-07	1.42E-07	2.00E-03	3.15E-07	1.24E-07
5726	488158.35, 3857691.13	1.99E-03	3.13E-07	1.23E-07	2.43E-03	3.83E-07	1.50E-07	2.13E-03	3.35E-07	1.32E-07
5727	488208.37, 3857816.66	1.76E-03	2.78E-07	1.09E-07	2.16E-03	3.40E-07	1.34E-07	1.89E-03	2.98E-07	1.17E-07
5728	488271.97, 3857874.6	1.56E-03	2.46E-07	9.67E-08	1.91E-03	3.01E-07	1.18E-07	1.68E-03	2.64E-07	1.04E-07
5729	488463.56, 3857942.31	1.26E-03	1.99E-07	7.83E-08	1.55E-03	2.44E-07	9.58E-08	1.36E-03	2.14E-07	8.40E-08
5730	488554.83, 3857940.83	1.19E-03	1.87E-07	7.34E-08	1.45E-03	2.29E-07	8.99E-08	1.27E-03	2.01E-07	7.88E-08
5731	488646.1, 3857939.36	1.12E-03	1.76E-07	6.93E-08	1.37E-03	2.16E-07	8.49E-08	1.20E-03	1.89E-07	7.44E-08
5732	488737.37, 3857937.88	1.06E-03	1.67E-07	6.57E-08	1.30E-03	2.05E-07	8.04E-08	1.14E-03	1.79E-07	7.05E-08
5733	488733.59, 3857960.57	1.05E-03	1.66E-07	6.52E-08	1.29E-03	2.03E-07	7.99E-08	1.13E-03	1.78E-07	7.00E-08
5734	488638.09, 3857961.57	1.11E-03	1.76E-07	6.90E-08	1.36E-03	2.15E-07	8.45E-08	1.20E-03	1.88E-07	7.40E-08
5735	488542.6, 3857962.56	1.18E-03	1.87E-07	7.33E-08	1.45E-03	2.28E-07	8.97E-08	1.27E-03	2.00E-07	7.87E-08
5736	488447.1, 3857963.56	1.27E-03	1.99E-07	7.83E-08	1.55E-03	2.44E-07	9.59E-08	1.36E-03	2.14E-07	8.41E-08
5737	488254.28, 3857890.36	1.57E-03	2.47E-07	9.71E-08	1.92E-03	3.03E-07	1.19E-07	1.68E-03	2.65E-07	1.04E-07
5738	488191.69, 3857833.06	1.77E-03	2.80E-07	1.10E-07	2.17E-03	3.42E-07	1.34E-07	1.90E-03	3.00E-07	1.18E-07
5739	488129.5, 3857907.43	1.77E-03	2.78E-07	1.09E-07	2.16E-03	3.41E-07	1.34E-07	1.90E-03	2.99E-07	1.17E-07
5740	488196.47, 3857968.74	1.56E-03	2.46E-07	9.64E-08	1.91E-03	3.00E-07	1.18E-07	1.67E-03	2.64E-07	1.04E-07
5741	488263.44, 3858030.04	1.43E-03	2.25E-07	8.83E-08	1.75E-03	2.75E-07	1.08E-07	1.53E-03	2.42E-07	9.49E-08
5742	488400.64, 3858132.9	1.28E-03	2.01E-07	7.91E-08	1.57E-03	2.47E-07	9.69E-08	1.38E-03	2.17E-07	8.51E-08
5743	488519.89, 3858218.38	1.23E-03	1.93E-07	7.58E-08	1.50E-03	2.36E-07	9.29E-08	1.32E-03	2.08E-07	8.16E-08
5744	488647.97, 3858214.99	1.09E-03	1.72E-07	6.77E-08	1.34E-03	2.11E-07	8.29E-08	1.18E-03	1.85E-07	7.28E-08
5745	488727.05, 3858167.67	1.02E-03	1.61E-07	6.32E-08	1.25E-03	1.97E-07	7.74E-08	1.10E-03	1.73E-07	6.80E-08
5746	488806.12, 3858120.35	9.73E-04	1.53E-07	6.02E-08	1.19E-03	1.88E-07	7.38E-08	1.05E-03	1.65E-07	6.47E-08
5747	488885.2, 3858073.03	9.40E-04	1.48E-07	5.82E-08	1.15E-03	1.81E-07	7.13E-08	1.01E-03	1.59E-07	6.25E-08
5748	489055.76, 3857991.18	8.87E-04	1.40E-07	5.49E-08	1.09E-03	1.71E-07	6.73E-08	9.52E-04	1.50E-07	5.89E-08
5749	489245.39, 3857944.55	8.34E-04	1.31E-07	5.16E-08	1.02E-03	1.61E-07	6.32E-08	8.94E-04	1.41E-07	5.53E-08
5750	489430.63, 3857930.91	7.78E-04	1.23E-07	4.82E-08	9.53E-04	1.50E-07	5.90E-08	8.35E-04	1.31E-07	5.16E-08
5751	489517.74, 3857929.36	7.54E-04	1.19E-07	4.66E-08	9.23E-04	1.45E-07	5.71E-08	8.08E-04	1.27E-07	5.00E-08
5752	489604.86, 3857927.82	7.30E-04	1.15E-07	4.52E-08	8.94E-04	1.41E-07	5.53E-08	7.83E-04	1.23E-07	4.85E-08
5753	489691.97, 3857926.28	7.08E-04	1.12E-07	4.38E-08	8.67E-04	1.37E-07	5.37E-08	7.59E-04	1.20E-07	4.70E-08
5754	489779.08, 3857924.73	6.87E-04	1.08E-07	4.25E-08	8.41E-04	1.33E-07	5.21E-08	7.37E-04	1.16E-07	4.56E-08
5755	490017.55, 3857875.09	6.43E-04	1.01E-07	3.98E-08	7.87E-04	1.24E-07	4.87E-08	6.89E-04	1.09E-07	4.26E-08
5756	490033.82, 3857960.81	6.25E-04	9.84E-08	3.87E-08	7.65E-04	1.21E-07	4.73E-08	6.70E-04	1.06E-07	4.14E-08
5757	489959.15, 3857987.49	6.35E-04	1.00E-07	3.93E-08	7.78E-04	1.23E-07	4.81E-08	6.81E-04	1.07E-07	4.22E-08
5758	489791.49, 3858016.12	6.66E-04	1.05E-07	4.12E-08	8.16E-04	1.29E-07	5.05E-08	7.15E-04	1.13E-07	4.42E-08
5759	489698.51, 3858018.07	6.87E-04	1.08E-07	4.25E-08	8.42E-04	1.33E-07	5.21E-08	7.37E-04	1.16E-07	4.56E-08
5760	489605.52, 3858020.02	7.10E-04	1.12E-07	4.39E-08	8.69E-04	1.37E-07	5.38E-08	7.61E-04	1.20E-07	4.71E-08
5761	489512.53, 3858021.96	7.34E-04	1.16E-07	4.54E-08	8.98E-04	1.42E-07	5.56E-08	7.87E-04	1.24E-07	4.87E-08
5762	489419.55, 3858023.91	7.59E-04	1.20E-07	4.70E-08	9.29E-04	1.46E-07	5.75E-08	8.14E-04	1.28E-07	5.04E-08
5763	489228.47, 3858041.29	8.13E-04	1.28E-07	5.03E-08	9.96E-04	1.57E-07	6.16E-08	8.73E-04	1.37E-07	5.40E-08
5764	489065.75, 3858085.78	8.59E-04	1.35E-07	5.32E-08	1.05E-03	1.66E-07	6.51E-08	9.23E-04	1.45E-07	5.71E-08
5765	489001.12, 3858114.86	8.79E-04	1.39E-07	5.44E-08	1.08E-03	1.70E-07	6.67E-08	9.45E-04	1.49E-07	5.85E-08
5766	488861.89, 3858189.81	9.41E-04	1.48E-07	5.82E-08	1.15E-03	1.82E-07	7.13E-08	1.01E-03	1.59E-07	6.26E-08
5767	488787.29, 3858235.69	9.95E-04	1.57E-07	6.16E-08	1.22E-03	1.92E-07	7.54E-08	1.07E-03	1.69E-07	6.62E-08
5768	488712.68, 3858281.57	1.07E-03	1.69E-07	6.64E-08	1.31E-03	2.07E-07	8.14E-08	1.16E-03	1.82E-07	7.15E-08
5769	488654.39, 3858436.17	1.36E-03	2.14E-07	8.40E-08	1.66E-03	2.62E-07	1.03E-07	1.46E-03	2.30E-07	9.05E-08
5770	488726.31, 3858505.26	1.37E-03	2.16E-07	8.50E-08	1.68E-03	2.65E-07	1.04E-07	1.48E-03	2.33E-07	9.17E-08
5771	488880.6, 3858599.28	1.27E-03	2.00E-07	7.85E-08	1.55E-03	2.45E-07	9.62E-08	1.37E-03	2.16E-07	8.47E-08
5772	489008.06, 3858714.75	1.25E-03	1.98E-07	7.76E-08	1.54E-03	2.42E-07	9.51E-08	1.35E-03	2.13E-07	8.37E-08
5773	489071.48, 3858772.72	1.19E-03	1.88E-07	7.39E-08	1.46E-03	2.31E-07	9.06E-08	1.29E-03	2.03E-07	7.97E-08
5774	489244.6, 3858920.2	6.64E-04	1.05E-07	4.11E-08	8.14E-04	1.28E-07	5.04E-08	7.16E-04	1.13E-07	4.43E-08
5775	489239.69, 3858952.23	6.05E-04	9.54E-08	3.75E-08	7.42E-04	1.17E-07	4.59E-08	6.52E-04	1.03E-07	4.04E-08
5776	489121.67, 3858854.49	9.96E-04	1.57E-07	6.16E-08	1.22E-03	1.92E-07	7.55E-08	1.07E-03	1.69E-07	6.65E-08
5777	489059.59, 3858797.27	1.25E-03	1.97E-07	7.73E-08	1.53E-03	2.41E-07	9.47E-08	1.35E-03	2.12E-07	8.34E-08
5778	488997.52, 3858740.04	1.34E-03	2.11E-07	8.29E-08	1.64E-03	2.59E-07	1.02E-07	1.45E-03	2.28E-07	8.95E-08
5779	488935.44, 3858682.82	1.35E-03	2.13E-07	8.37E-08	1.66E-03	2.61E-07	1.03E-07	1.46E-03	2.30E-07	9.03E-08
5780	488869.17, 3858848.43	3.28E-03	5.17E-07	2.03E-07	4.02E-03	6.33E-07	2.49E-07	3.54E-03	5.58E-07	2.19E-07
5781	488932.48, 3858892.69	1.58E-03	2.50E-07	9.81E-08	1.94E-03	3.06E-07	1.20E-07	1.71E-03	2.69E-07	1.06E-07

5782	489063.27, 3858977.17	6.20E-04	9.77E-08	3.84E-08	7.59E-04	1.20E-07	4.70E-08	6.68E-04	1.05E-07	4.13E-08
5783	489248.2, 3859117.15	3.68E-04	5.79E-08	2.28E-08	4.50E-04	7.10E-08	2.79E-08	3.96E-04	6.23E-08	2.45E-08
5784	489296.25, 3859049.22	4.39E-04	6.91E-08	2.71E-08	5.37E-04	8.46E-08	3.32E-08	4.72E-04	7.44E-08	2.92E-08
5785	489353.38, 3858993.97	4.95E-04	7.79E-08	3.06E-08	6.06E-04	9.55E-08	3.75E-08	5.33E-04	8.39E-08	3.30E-08
5786	489537.25, 3859120.22	3.53E-04	5.57E-08	2.19E-08	4.33E-04	6.82E-08	2.68E-08	3.80E-04	5.99E-08	2.35E-08
5787	489726.98, 3859246.04	2.82E-04	4.44E-08	1.74E-08	3.45E-04	5.44E-08	2.14E-08	3.03E-04	4.77E-08	1.87E-08
5788	489911.46, 3859366.33	2.39E-04	3.76E-08	1.48E-08	2.93E-04	4.61E-08	1.81E-08	2.57E-04	4.05E-08	1.59E-08
5789	490035.3, 3859430.26	2.21E-04	3.47E-08	1.36E-08	2.70E-04	4.26E-08	1.67E-08	2.37E-04	3.73E-08	1.47E-08
5790	490101.11, 3859458.61	2.14E-04	3.36E-08	1.32E-08	2.62E-04	4.12E-08	1.62E-08	2.29E-04	3.62E-08	1.42E-08
5791	490312.68, 3859560.3	1.92E-04	3.03E-08	1.19E-08	2.35E-04	3.71E-08	1.46E-08	2.06E-04	3.25E-08	1.28E-08
5792	490401.63, 3859603.12	1.85E-04	2.91E-08	1.14E-08	2.26E-04	3.56E-08	1.40E-08	1.98E-04	3.12E-08	1.23E-08
5793	490490.57, 3859645.94	1.78E-04	2.80E-08	1.10E-08	2.18E-04	3.43E-08	1.35E-08	1.91E-04	3.01E-08	1.18E-08
5794	490579.51, 3859688.76	1.72E-04	2.70E-08	1.06E-08	2.10E-04	3.31E-08	1.30E-08	1.84E-04	2.90E-08	1.14E-08
5795	490668.45, 3859731.58	1.66E-04	2.62E-08	1.03E-08	2.04E-04	3.21E-08	1.26E-08	1.79E-04	2.81E-08	1.11E-08
5796	490757.4, 3859774.4	1.61E-04	2.53E-08	9.93E-09	1.97E-04	3.10E-08	1.22E-08	1.72E-04	2.72E-08	1.07E-08
5797	491003.53, 3859861.82	1.50E-04	2.37E-08	9.31E-09	1.84E-04	2.90E-08	1.14E-08	1.62E-04	2.54E-08	1.00E-08
5798	491081.41, 3859879.05	1.48E-04	2.34E-08	9.18E-09	1.82E-04	2.86E-08	1.12E-08	1.59E-04	2.51E-08	9.86E-09
5799	491229.76, 3859917.82	1.44E-04	2.27E-08	8.91E-09	1.76E-04	2.78E-08	1.09E-08	1.55E-04	2.44E-08	9.57E-09
5800	491300.22, 3859939.35	1.41E-04	2.23E-08	8.76E-09	1.73E-04	2.73E-08	1.07E-08	1.52E-04	2.39E-08	9.41E-09
5801	491350.49, 3860012.03	1.34E-04	2.11E-08	8.27E-09	1.64E-04	2.58E-08	1.01E-08	1.44E-04	2.26E-08	8.88E-09
5802	491406.82, 3860092.57	1.26E-04	1.99E-08	7.81E-09	1.55E-04	2.43E-08	9.57E-09	1.36E-04	2.14E-08	8.39E-09
5803	491483.37, 3860121.96	1.24E-04	1.95E-08	7.68E-09	1.52E-04	2.39E-08	9.40E-09	1.33E-04	2.10E-08	8.24E-09
5804	491559.91, 3860151.36	1.22E-04	1.92E-08	7.54E-09	1.49E-04	2.35E-08	9.23E-09	1.31E-04	2.06E-08	8.09E-09
5805	491711.81, 3860237.76	1.18E-04	1.87E-08	7.33E-09	1.45E-04	2.29E-08	8.98E-09	1.27E-04	2.00E-08	7.87E-09
5806	491755.2, 3860319.07	1.09E-04	1.72E-08	6.76E-09	1.34E-04	2.11E-08	8.28E-09	1.17E-04	1.85E-08	7.26E-09
5807	491704.71, 3860366.54	1.06E-04	1.67E-08	6.57E-09	1.30E-04	2.05E-08	8.05E-09	1.14E-04	1.80E-08	7.06E-09
5808	491623.43, 3860462.39	1.00E-04	1.58E-08	6.20E-09	1.23E-04	1.93E-08	7.60E-09	1.08E-04	1.70E-08	6.66E-09
5809	491534.02, 3860439.85	1.05E-04	1.65E-08	6.48E-09	1.28E-04	2.02E-08	7.94E-09	1.12E-04	1.77E-08	6.96E-09
5810	491313.95, 3860268.18	1.11E-04	1.75E-08	6.88E-09	1.36E-04	2.14E-08	8.42E-09	1.19E-04	1.88E-08	7.39E-09
5811	491187.12, 3860143.56	1.21E-04	1.91E-08	7.50E-09	1.48E-04	2.34E-08	9.18E-09	1.30E-04	2.05E-08	8.05E-09
5812	491070.43, 3860075.97	1.27E-04	2.01E-08	7.88E-09	1.56E-04	2.46E-08	9.65E-09	1.37E-04	2.15E-08	8.46E-09
5813	490995.09, 3860039.39	1.31E-04	2.06E-08	8.08E-09	1.60E-04	2.52E-08	9.90E-09	1.40E-04	2.21E-08	8.68E-09
5814	490919.75, 3860002.8	1.34E-04	2.11E-08	8.30E-09	1.64E-04	2.59E-08	1.02E-08	1.44E-04	2.27E-08	8.92E-09
5815	490756.81, 3859894.53	1.46E-04	2.30E-08	9.03E-09	1.79E-04	2.82E-08	1.11E-08	1.57E-04	2.47E-08	9.70E-09
5816	490668.07, 3859860.92	1.49E-04	2.35E-08	9.23E-09	1.83E-04	2.88E-08	1.13E-08	1.60E-04	2.53E-08	9.92E-09
5817	490579.34, 3859827.3	1.53E-04	2.41E-08	9.47E-09	1.88E-04	2.95E-08	1.16E-08	1.64E-04	2.59E-08	1.02E-08
5818	490490.6, 3859793.68	1.57E-04	2.47E-08	9.70E-09	1.92E-04	3.02E-08	1.19E-08	1.68E-04	2.65E-08	1.04E-08
5819	490401.86, 3859760.07	1.61E-04	2.53E-08	9.94E-09	1.97E-04	3.10E-08	1.22E-08	1.73E-04	2.72E-08	1.07E-08
5820	490313.12, 3859726.45	1.65E-04	2.60E-08	1.02E-08	2.02E-04	3.19E-08	1.25E-08	1.78E-04	2.80E-08	1.10E-08
5821	490224.39, 3859692.83	1.70E-04	2.68E-08	1.05E-08	2.09E-04	3.29E-08	1.29E-08	1.83E-04	2.88E-08	1.13E-08
5822	490135.65, 3859659.22	1.76E-04	2.77E-08	1.09E-08	2.15E-04	3.39E-08	1.33E-08	1.89E-04	2.98E-08	1.17E-08
5823	489918.19, 3859559.23	1.94E-04	3.06E-08	1.20E-08	2.38E-04	3.75E-08	1.47E-08	2.09E-04	3.29E-08	1.29E-08
5824	489743.61, 3859486	2.10E-04	3.31E-08	1.30E-08	2.57E-04	4.05E-08	1.59E-08	2.26E-04	3.55E-08	1.40E-08
5825	489660.32, 3859440.27	2.21E-04	3.48E-08	1.37E-08	2.70E-04	4.26E-08	1.67E-08	2.37E-04	3.74E-08	1.47E-08
5826	489577.04, 3859394.53	2.33E-04	3.67E-08	1.44E-08	2.85E-04	4.50E-08	1.77E-08	2.51E-04	3.95E-08	1.55E-08
5827	489493.75, 3859348.8	2.47E-04	3.89E-08	1.53E-08	3.03E-04	4.77E-08	1.87E-08	2.65E-04	4.18E-08	1.64E-08
5828	489321.28, 3859240.02	2.89E-04	4.56E-08	1.79E-08	3.55E-04	5.59E-08	2.19E-08	3.11E-04	4.90E-08	1.93E-08
5829	489235.41, 3859193.96	3.15E-04	4.96E-08	1.95E-08	3.86E-04	6.07E-08	2.39E-08	3.39E-04	5.33E-08	2.10E-08
5830	489149.54, 3859147.89	3.46E-04	5.45E-08	2.14E-08	4.24E-04	6.68E-08	2.62E-08	3.72E-04	5.86E-08	2.30E-08
5831	489063.68, 3859101.82	3.88E-04	6.11E-08	2.40E-08	4.75E-04	7.48E-08	2.94E-08	4.17E-04	6.57E-08	2.58E-08
5832	488977.81, 3859055.75	4.44E-04	7.00E-08	2.75E-08	5.44E-04	8.58E-08	3.37E-08	4.79E-04	7.54E-08	2.96E-08
5833	488891.94, 3859009.69	5.20E-04	8.20E-08	3.22E-08	6.37E-04	1.00E-07	3.94E-08	5.60E-04	8.83E-08	3.47E-08
5834	488808, 3859060.73	4.29E-04	6.75E-08	2.65E-08	5.25E-04	8.27E-08	3.25E-08	4.61E-04	7.27E-08	2.86E-08
5835	488809.93, 3859157.85	3.38E-04	5.32E-08	2.09E-08	4.14E-04	6.52E-08	2.56E-08	3.63E-04	5.72E-08	2.25E-08
5836	488811.86, 3859254.96	2.84E-04	4.48E-08	1.76E-08	3.48E-04	5.48E-08	2.15E-08	3.06E-04	4.81E-08	1.89E-08
5837	488813.78, 3859352.07	2.47E-04	3.90E-08	1.53E-08	3.03E-04	4.77E-08	1.88E-08	2.66E-04	4.19E-08	1.65E-08
5838	488815.71, 3859449.19	2.21E-04	3.48E-08	1.37E-08	2.70E-04	4.26E-08	1.67E-08	2.37E-04	3.74E-08	1.47E-08
5839	488910.04, 3859547.11	2.00E-04	3.16E-08	1.24E-08	2.46E-04	3.87E-08	1.52E-08	2.15E-04	3.39E-08	1.33E-08
5840	489002.45, 3859547.91	2.02E-04	3.18E-08	1.25E-08	2.47E-04	3.89E-08	1.53E-08	2.17E-04	3.41E-08	1.34E-08
5841	489094.85, 3859548.72	2.03E-04	3.20E-08	1.26E-08	2.49E-04	3.92E-08	1.54E-08	2.18E-04	3.44E-08	1.35E-08
5842	489230.05, 3859601.87	1.94E-04	3.06E-08	1.20E-08	2.38E-04	3.75E-08	1.47E-08	2.09E-04	3.29E-08	1.29E-08
5843	489227.52, 3859680.89	1.81E-04	2.85E-08	1.12E-08	2.22E-04	3.49E-08	1.37E-08	1.94E-04	3.06E-08	1.20E-08
5844	489133.47, 3859760.29	1.68E-04	2.65E-08	1.04E-08	2.06E-04	3.25E-08	1.28E-08	1.81E-04	2.85E-08	1.12E-08
5845	489041.96, 3859760.67	1.68E-04	2.64E-08	1.04E-08	2.05E-04	3.23E-08	1.27E-08	1.80E-04	2.84E-08	1.11E-08
5846	488950.45, 3859761.05	1.67E-04	2.62E-08	1.03E-08	2.04E-04	3.21E-08	1.26E-08	1.79E-04	2.82E-08	1.11E-08

5847	488858.94, 3859761.43	1.66E-04	2.61E-08	1.03E-08	2.03E-04	3.20E-08	1.26E-08	1.78E-04	2.81E-08	1.10E-08
5848	488767.43, 3859761.82	1.65E-04	2.59E-08	1.02E-08	2.02E-04	3.18E-08	1.25E-08	1.77E-04	2.79E-08	1.09E-08
5849	488675.92, 3859762.2	1.64E-04	2.58E-08	1.02E-08	2.01E-04	3.17E-08	1.24E-08	1.76E-04	2.78E-08	1.09E-08
5850	488584.41, 3859762.58	1.63E-04	2.57E-08	1.01E-08	2.00E-04	3.15E-08	1.24E-08	1.75E-04	2.76E-08	1.08E-08
5851	488492.9, 3859762.96	1.62E-04	2.55E-08	1.00E-08	1.99E-04	3.13E-08	1.23E-08	1.74E-04	2.75E-08	1.08E-08
5852	488402.76, 3859830.95	1.54E-04	2.42E-08	9.50E-09	1.88E-04	2.96E-08	1.16E-08	1.65E-04	2.60E-08	1.02E-08
5853	488404.14, 3859898.55	1.46E-04	2.30E-08	9.03E-09	1.79E-04	2.81E-08	1.11E-08	1.57E-04	2.47E-08	9.70E-09
5854	488505.18, 3859964.96	1.40E-04	2.21E-08	8.66E-09	1.71E-04	2.70E-08	1.06E-08	1.50E-04	2.37E-08	9.31E-09
5855	488604.85, 3859963.76	1.41E-04	2.22E-08	8.70E-09	1.72E-04	2.71E-08	1.07E-08	1.51E-04	2.38E-08	9.35E-09
5856	488704.51, 3859962.56	1.42E-04	2.23E-08	8.76E-09	1.73E-04	2.73E-08	1.07E-08	1.52E-04	2.40E-08	9.41E-09
5857	488804.18, 3859961.37	1.43E-04	2.25E-08	8.82E-09	1.75E-04	2.75E-08	1.08E-08	1.53E-04	2.41E-08	9.48E-09
5858	488903.85, 3859960.17	1.44E-04	2.26E-08	8.89E-09	1.76E-04	2.77E-08	1.09E-08	1.54E-04	2.43E-08	9.55E-09
5859	489003.52, 3859958.97	1.45E-04	2.28E-08	8.94E-09	1.77E-04	2.79E-08	1.10E-08	1.55E-04	2.45E-08	9.61E-09
5860	489103.18, 3859957.77	1.45E-04	2.29E-08	8.99E-09	1.78E-04	2.80E-08	1.10E-08	1.56E-04	2.46E-08	9.66E-09
5861	489201.48, 3860046.59	1.38E-04	2.17E-08	8.51E-09	1.69E-04	2.65E-08	1.04E-08	1.48E-04	2.33E-08	9.15E-09
5862	489200.11, 3860136.61	1.30E-04	2.04E-08	8.03E-09	1.59E-04	2.50E-08	9.84E-09	1.39E-04	2.20E-08	8.63E-09
5863	489198.74, 3860226.63	1.23E-04	1.93E-08	7.60E-09	1.50E-04	2.37E-08	9.31E-09	1.32E-04	2.08E-08	8.16E-09
5864	489197.38, 3860316.66	1.16E-04	1.83E-08	7.20E-09	1.42E-04	2.24E-08	8.81E-09	1.25E-04	1.97E-08	7.73E-09
5865	489196.01, 3860406.68	1.11E-04	1.74E-08	6.84E-09	1.35E-04	2.13E-08	8.38E-09	1.19E-04	1.87E-08	7.35E-09
5866	489194.64, 3860496.7	1.05E-04	1.65E-08	6.49E-09	1.29E-04	2.02E-08	7.95E-09	1.13E-04	1.78E-08	6.98E-09
5867	489193.27, 3860586.72	1.00E-04	1.58E-08	6.20E-09	1.23E-04	1.93E-08	7.59E-09	1.08E-04	1.69E-08	6.66E-09
5868	489092.02, 3860678.13	9.50E-05	1.50E-08	5.88E-09	1.16E-04	1.83E-08	7.20E-09	1.02E-04	1.61E-08	6.31E-09
5869	488992.13, 3860679.53	9.43E-05	1.49E-08	5.83E-09	1.15E-04	1.82E-08	7.15E-09	1.01E-04	1.60E-08	6.27E-09
5870	488892.25, 3860680.92	9.38E-05	1.48E-08	5.81E-09	1.15E-04	1.81E-08	7.11E-09	1.01E-04	1.59E-08	6.24E-09
5871	488792.36, 3860682.31	9.34E-05	1.47E-08	5.78E-09	1.14E-04	1.80E-08	7.08E-09	1.00E-04	1.58E-08	6.21E-09
5872	488692.48, 3860683.7	9.32E-05	1.47E-08	5.77E-09	1.14E-04	1.80E-08	7.07E-09	1.00E-04	1.58E-08	6.20E-09
5873	488592.59, 3860685.1	9.28E-05	1.46E-08	5.74E-09	1.14E-04	1.79E-08	7.04E-09	9.97E-05	1.57E-08	6.17E-09
5874	488492.71, 3860686.49	9.33E-05	1.47E-08	5.77E-09	1.14E-04	1.80E-08	7.07E-09	1.00E-04	1.58E-08	6.20E-09
5875	488299.07, 3860762.18	9.19E-05	1.45E-08	5.69E-09	1.13E-04	1.77E-08	6.97E-09	9.87E-05	1.56E-08	6.11E-09
5876	488205.32, 3860764.09	9.13E-05	1.44E-08	5.65E-09	1.12E-04	1.76E-08	6.92E-09	9.81E-05	1.54E-08	6.07E-09
5877	488111.56, 3860766	9.04E-05	1.42E-08	5.59E-09	1.11E-04	1.74E-08	6.85E-09	9.71E-05	1.53E-08	6.01E-09
5878	488017.81, 3860767.91	8.95E-05	1.41E-08	5.54E-09	1.10E-04	1.73E-08	6.78E-09	9.61E-05	1.51E-08	5.95E-09
5879	487924.06, 3860769.81	8.88E-05	1.40E-08	5.49E-09	1.09E-04	1.71E-08	6.73E-09	9.54E-05	1.50E-08	5.90E-09
5880	487830.31, 3860771.72	8.83E-05	1.39E-08	5.47E-09	1.08E-04	1.70E-08	6.69E-09	9.49E-05	1.49E-08	5.87E-09
5881	487736.55, 3860773.63	8.80E-05	1.39E-08	5.45E-09	1.08E-04	1.70E-08	6.67E-09	9.46E-05	1.49E-08	5.86E-09
5882	487642.8, 3860775.54	8.81E-05	1.39E-08	5.45E-09	1.08E-04	1.70E-08	6.68E-09	9.47E-05	1.49E-08	5.86E-09
5883	487549.48, 3860684.71	9.20E-05	1.45E-08	5.70E-09	1.13E-04	1.78E-08	6.98E-09	9.89E-05	1.56E-08	6.12E-09
5884	487549.91, 3860591.97	9.55E-05	1.50E-08	5.91E-09	1.17E-04	1.84E-08	7.24E-09	1.03E-04	1.62E-08	6.35E-09
5885	487550.34, 3860499.23	9.98E-05	1.57E-08	6.17E-09	1.22E-04	1.92E-08	7.56E-09	1.07E-04	1.69E-08	6.64E-09
5886	487550.76, 3860406.49	1.05E-04	1.65E-08	6.47E-09	1.28E-04	2.02E-08	7.92E-09	1.12E-04	1.77E-08	6.95E-09
5887	487551.19, 3860313.75	1.09E-04	1.72E-08	6.77E-09	1.34E-04	2.11E-08	8.29E-09	1.17E-04	1.85E-08	7.27E-09
5888	487551.62, 3860221.01	1.15E-04	1.81E-08	7.10E-09	1.40E-04	2.21E-08	8.69E-09	1.23E-04	1.94E-08	7.63E-09
5889	487552.05, 3860128.27	1.21E-04	1.91E-08	7.50E-09	1.48E-04	2.34E-08	9.19E-09	1.30E-04	2.05E-08	8.06E-09
5890	487552.48, 3860035.53	1.28E-04	2.02E-08	7.93E-09	1.57E-04	2.47E-08	9.71E-09	1.38E-04	2.17E-08	8.52E-09
5891	487552.91, 3859942.79	1.34E-04	2.12E-08	8.32E-09	1.65E-04	2.59E-08	1.02E-08	1.44E-04	2.28E-08	8.94E-09
5892	487553.33, 3859850.05	1.43E-04	2.25E-08	8.83E-09	1.75E-04	2.75E-08	1.08E-08	1.53E-04	2.42E-08	9.49E-09
5893	487553.76, 3859757.31	1.51E-04	2.38E-08	9.35E-09	1.85E-04	2.91E-08	1.14E-08	1.62E-04	2.56E-08	1.00E-08
5894	487554.19, 3859664.57	1.60E-04	2.53E-08	9.92E-09	1.96E-04	3.09E-08	1.22E-08	1.72E-04	2.71E-08	1.07E-08
5895	487460.2, 3859571.05	1.69E-04	2.66E-08	1.05E-08	2.07E-04	3.26E-08	1.28E-08	1.82E-04	2.86E-08	1.12E-08
5896	487365.78, 3859570.27	1.68E-04	2.64E-08	1.04E-08	2.05E-04	3.23E-08	1.27E-08	1.80E-04	2.84E-08	1.12E-08
5897	487271.36, 3859569.48	1.66E-04	2.62E-08	1.03E-08	2.04E-04	3.21E-08	1.26E-08	1.79E-04	2.82E-08	1.11E-08
5898	487176.94, 3859568.7	1.65E-04	2.60E-08	1.02E-08	2.02E-04	3.18E-08	1.25E-08	1.77E-04	2.79E-08	1.10E-08
5899	487082.51, 3859567.92	1.64E-04	2.58E-08	1.01E-08	2.01E-04	3.16E-08	1.24E-08	1.76E-04	2.77E-08	1.09E-08
5900	486988.09, 3859567.14	1.63E-04	2.56E-08	1.01E-08	1.99E-04	3.14E-08	1.23E-08	1.75E-04	2.75E-08	1.08E-08
5901	486893.67, 3859566.36	1.62E-04	2.55E-08	1.00E-08	1.98E-04	3.12E-08	1.23E-08	1.74E-04	2.74E-08	1.07E-08
5902	486799.25, 3859565.58	1.61E-04	2.53E-08	9.93E-09	1.97E-04	3.10E-08	1.22E-08	1.72E-04	2.72E-08	1.07E-08
5903	486704.83, 3859564.79	1.59E-04	2.51E-08	9.87E-09	1.95E-04	3.08E-08	1.21E-08	1.71E-04	2.70E-08	1.06E-08
5904	486610.41, 3859564.01	1.58E-04	2.49E-08	9.80E-09	1.94E-04	3.05E-08	1.20E-08	1.70E-04	2.68E-08	1.05E-08
5905	486515.99, 3859563.23	1.57E-04	2.47E-08	9.70E-09	1.92E-04	3.02E-08	1.19E-08	1.68E-04	2.65E-08	1.04E-08
5906	486421.57, 3859562.45	1.55E-04	2.45E-08	9.61E-09	1.90E-04	3.00E-08	1.18E-08	1.67E-04	2.63E-08	1.03E-08
5907	486327.14, 3859561.67	1.54E-04	2.43E-08	9.55E-09	1.89E-04	2.98E-08	1.17E-08	1.66E-04	2.61E-08	1.03E-08
5908	486232.72, 3859560.89	1.53E-04	2.41E-08	9.45E-09	1.87E-04	2.95E-08	1.16E-08	1.64E-04	2.58E-08	1.01E-08
5909	486138.3, 3859560.1	1.51E-04	2.38E-08	9.36E-09	1.85E-04	2.92E-08	1.15E-08	1.62E-04	2.56E-08	1.00E-08
5910	486043.88, 3859559.32	1.50E-04	2.36E-08	9.26E-09	1.83E-04	2.89E-08	1.13E-08	1.61E-04	2.53E-08	9.94E-09
5911	485949.35, 3859463.54	1.55E-04	2.44E-08	9.60E-09	1.90E-04	2.99E-08	1.18E-08	1.66E-04	2.62E-08	1.03E-08

5912	485949.24, 3859368.55	1.63E-04	2.56E-08	1.01E-08	1.99E-04	3.14E-08	1.23E-08	1.75E-04	2.75E-08	1.08E-08
5913	485949.12, 3859273.55	1.71E-04	2.70E-08	1.06E-08	2.10E-04	3.30E-08	1.30E-08	1.84E-04	2.90E-08	1.14E-08
5914	485949.01, 3859178.56	1.80E-04	2.84E-08	1.11E-08	2.21E-04	3.48E-08	1.37E-08	1.93E-04	3.05E-08	1.20E-08
5915	485948.9, 3859083.56	1.90E-04	3.00E-08	1.18E-08	2.33E-04	3.67E-08	1.44E-08	2.04E-04	3.22E-08	1.26E-08
5916	485948.79, 3858988.56	2.00E-04	3.16E-08	1.24E-08	2.45E-04	3.87E-08	1.52E-08	2.15E-04	3.39E-08	1.33E-08
5917	485948.67, 3858893.57	2.11E-04	3.33E-08	1.31E-08	2.59E-04	4.07E-08	1.60E-08	2.27E-04	3.57E-08	1.40E-08
5918	485948.56, 3858798.57	2.24E-04	3.53E-08	1.39E-08	2.75E-04	4.33E-08	1.70E-08	2.41E-04	3.79E-08	1.49E-08
5919	485948.45, 3858703.58	2.37E-04	3.73E-08	1.46E-08	2.90E-04	4.56E-08	1.79E-08	2.54E-04	4.00E-08	1.57E-08
5920	485948.34, 3858608.58	2.52E-04	3.96E-08	1.56E-08	3.08E-04	4.85E-08	1.91E-08	2.70E-04	4.25E-08	1.67E-08
5921	485948.22, 3858513.59	2.68E-04	4.22E-08	1.66E-08	3.28E-04	5.16E-08	2.03E-08	2.87E-04	4.53E-08	1.78E-08
5922	485948.11, 3858418.59	2.85E-04	4.48E-08	1.76E-08	3.48E-04	5.49E-08	2.16E-08	3.05E-04	4.81E-08	1.89E-08
5923	485948, 3858323.59	3.04E-04	4.79E-08	1.88E-08	3.73E-04	5.87E-08	2.31E-08	3.27E-04	5.15E-08	2.02E-08
5924	485947.89, 3858228.6	3.25E-04	5.12E-08	2.01E-08	3.98E-04	6.27E-08	2.46E-08	3.49E-04	5.49E-08	2.16E-08
5925	485947.77, 3858133.6	3.47E-04	5.47E-08	2.15E-08	4.25E-04	6.70E-08	2.63E-08	3.73E-04	5.87E-08	2.31E-08
5926	485947.66, 3858038.61	3.76E-04	5.92E-08	2.33E-08	4.60E-04	7.25E-08	2.85E-08	4.03E-04	6.35E-08	2.50E-08
5927	485854.54, 3857943.35	3.86E-04	6.09E-08	2.39E-08	4.73E-04	7.45E-08	2.93E-08	4.15E-04	6.53E-08	2.57E-08
5928	485761.52, 3857943.09	3.71E-04	5.85E-08	2.30E-08	4.55E-04	7.17E-08	2.82E-08	3.99E-04	6.28E-08	2.47E-08
5929	485668.51, 3857942.83	3.59E-04	5.65E-08	2.22E-08	4.39E-04	6.92E-08	2.72E-08	3.85E-04	6.07E-08	2.38E-08
5930	485575.5, 3857942.56	3.45E-04	5.44E-08	2.14E-08	4.23E-04	6.66E-08	2.62E-08	3.71E-04	5.84E-08	2.29E-08
5931	485482.48, 3857942.3	3.34E-04	5.26E-08	2.07E-08	4.09E-04	6.45E-08	2.53E-08	3.59E-04	5.65E-08	2.22E-08
5932	485389.47, 3857942.04	3.23E-04	5.09E-08	2.00E-08	3.96E-04	6.24E-08	2.45E-08	3.47E-04	5.47E-08	2.15E-08
5933	485296.46, 3857941.78	3.13E-04	4.94E-08	1.94E-08	3.84E-04	6.04E-08	2.37E-08	3.36E-04	5.30E-08	2.08E-08
5934	485203.45, 3857941.52	3.05E-04	4.80E-08	1.89E-08	3.73E-04	5.88E-08	2.31E-08	3.27E-04	5.16E-08	2.03E-08
5935	485110.43, 3857941.26	2.95E-04	4.65E-08	1.83E-08	3.62E-04	5.70E-08	2.24E-08	3.17E-04	5.00E-08	1.96E-08
5936	485017.42, 3857940.99	2.86E-04	4.51E-08	1.77E-08	3.50E-04	5.52E-08	2.17E-08	3.07E-04	4.84E-08	1.90E-08
5937	484924.41, 3857940.73	2.77E-04	4.36E-08	1.71E-08	3.39E-04	5.35E-08	2.10E-08	2.98E-04	4.69E-08	1.84E-08
5938	484831.39, 3857940.47	2.69E-04	4.24E-08	1.67E-08	3.30E-04	5.19E-08	2.04E-08	2.89E-04	4.56E-08	1.79E-08
5939	484738.12, 3857859.3	2.72E-04	4.29E-08	1.68E-08	3.33E-04	5.25E-08	2.06E-08	2.93E-04	4.61E-08	1.81E-08
5940	484737.85, 3857778.4	2.84E-04	4.48E-08	1.76E-08	3.48E-04	5.48E-08	2.15E-08	3.06E-04	4.81E-08	1.89E-08
5941	484737.59, 3857697.49	2.97E-04	4.67E-08	1.84E-08	3.63E-04	5.72E-08	2.25E-08	3.19E-04	5.02E-08	1.97E-08
5942	484737.32, 3857616.59	3.09E-04	4.87E-08	1.91E-08	3.78E-04	5.96E-08	2.34E-08	3.32E-04	5.23E-08	2.06E-08
5943	484645.53, 3857535.18	3.12E-04	4.92E-08	1.93E-08	3.82E-04	6.02E-08	2.36E-08	3.35E-04	5.29E-08	2.08E-08
5944	484553.99, 3857534.67	3.02E-04	4.75E-08	1.87E-08	3.69E-04	5.82E-08	2.29E-08	3.24E-04	5.11E-08	2.01E-08
5945	484462.46, 3857534.17	2.93E-04	4.61E-08	1.81E-08	3.58E-04	5.65E-08	2.22E-08	3.15E-04	4.96E-08	1.95E-08
5946	484370.93, 3857533.66	2.84E-04	4.47E-08	1.76E-08	3.48E-04	5.48E-08	2.15E-08	3.05E-04	4.81E-08	1.89E-08
5947	484279.4, 3857533.16	2.76E-04	4.34E-08	1.71E-08	3.38E-04	5.32E-08	2.09E-08	2.96E-04	4.67E-08	1.83E-08
5948	484187.86, 3857532.65	2.68E-04	4.21E-08	1.66E-08	3.28E-04	5.16E-08	2.03E-08	2.88E-04	4.53E-08	1.78E-08
5949	484096.33, 3857532.15	2.60E-04	4.10E-08	1.61E-08	3.19E-04	5.02E-08	1.97E-08	2.80E-04	4.41E-08	1.73E-08
5950	484004.8, 3857531.64	2.52E-04	3.98E-08	1.56E-08	3.09E-04	4.87E-08	1.91E-08	2.71E-04	4.28E-08	1.68E-08
5951	483913.27, 3857531.14	2.44E-04	3.85E-08	1.51E-08	2.99E-04	4.71E-08	1.85E-08	2.62E-04	4.13E-08	1.62E-08
5952	483821.73, 3857530.63	2.37E-04	3.73E-08	1.47E-08	2.90E-04	4.57E-08	1.80E-08	2.55E-04	4.01E-08	1.58E-08
5953	483729.61, 3857450.11	2.37E-04	3.74E-08	1.47E-08	2.91E-04	4.58E-08	1.80E-08	2.55E-04	4.02E-08	1.58E-08
5954	483729.03, 3857370.08	2.46E-04	3.88E-08	1.52E-08	3.01E-04	4.75E-08	1.87E-08	2.65E-04	4.17E-08	1.64E-08
5955	483728.44, 3857290.06	2.54E-04	4.01E-08	1.57E-08	3.11E-04	4.91E-08	1.93E-08	2.73E-04	4.31E-08	1.69E-08
5956	483727.86, 3857210.03	2.62E-04	4.13E-08	1.62E-08	3.21E-04	5.06E-08	1.99E-08	2.82E-04	4.44E-08	1.75E-08
5957	483641.15, 3857129.07	2.63E-04	4.15E-08	1.63E-08	3.22E-04	5.08E-08	1.99E-08	2.83E-04	4.46E-08	1.75E-08
5958	483555.03, 3857128.14	2.55E-04	4.02E-08	1.58E-08	3.12E-04	4.92E-08	1.93E-08	2.74E-04	4.32E-08	1.70E-08
5959	483468.91, 3857127.2	2.46E-04	3.87E-08	1.52E-08	3.01E-04	4.74E-08	1.86E-08	2.64E-04	4.16E-08	1.64E-08
5960	483382.78, 3857126.26	2.39E-04	3.77E-08	1.48E-08	2.93E-04	4.62E-08	1.81E-08	2.57E-04	4.05E-08	1.59E-08
5961	483296.66, 3857125.32	2.32E-04	3.66E-08	1.44E-08	2.84E-04	4.48E-08	1.76E-08	2.49E-04	3.93E-08	1.54E-08
5962	483210.54, 3857124.39	2.25E-04	3.54E-08	1.39E-08	2.75E-04	4.33E-08	1.70E-08	2.41E-04	3.80E-08	1.49E-08
5963	483123.4, 3857030.96	2.25E-04	3.54E-08	1.39E-08	2.75E-04	4.34E-08	1.70E-08	2.41E-04	3.80E-08	1.49E-08
5964	483122.38, 3856938.46	2.33E-04	3.67E-08	1.44E-08	2.85E-04	4.49E-08	1.76E-08	2.50E-04	3.94E-08	1.55E-08
5965	483121.35, 3856845.97	2.41E-04	3.79E-08	1.49E-08	2.95E-04	4.65E-08	1.83E-08	2.59E-04	4.08E-08	1.60E-08
5966	483120.33, 3856753.47	2.47E-04	3.90E-08	1.53E-08	3.03E-04	4.77E-08	1.88E-08	2.66E-04	4.19E-08	1.64E-08
5967	483119.31, 3856660.98	2.54E-04	4.00E-08	1.57E-08	3.11E-04	4.90E-08	1.93E-08	2.73E-04	4.30E-08	1.69E-08
5968	483118.29, 3856568.49	2.62E-04	4.12E-08	1.62E-08	3.21E-04	5.05E-08	1.98E-08	2.81E-04	4.43E-08	1.74E-08
5969	483117.26, 3856475.99	2.70E-04	4.26E-08	1.67E-08	3.31E-04	5.21E-08	2.05E-08	2.90E-04	4.57E-08	1.80E-08
5970	483116.24, 3856383.5	2.78E-04	4.38E-08	1.72E-08	3.41E-04	5.37E-08	2.11E-08	2.99E-04	4.70E-08	1.85E-08
5971	483115.22, 3856291.01	2.86E-04	4.51E-08	1.77E-08	3.51E-04	5.53E-08	2.17E-08	3.08E-04	4.85E-08	1.90E-08
5972	483114.2, 3856198.51	2.94E-04	4.63E-08	1.82E-08	3.60E-04	5.67E-08	2.23E-08	3.16E-04	4.97E-08	1.95E-08
5973	483113.17, 3856106.02	3.04E-04	4.79E-08	1.88E-08	3.73E-04	5.87E-08	2.31E-08	3.27E-04	5.15E-08	2.02E-08
5974	483112.15, 3856013.52	3.13E-04	4.93E-08	1.94E-08	3.83E-04	6.04E-08	2.37E-08	3.36E-04	5.30E-08	2.08E-08
5975	483029.25, 3855920.47	3.10E-04	4.89E-08	1.92E-08	3.80E-04	5.99E-08	2.35E-08	3.33E-04	5.25E-08	2.06E-08
5976	482947.37, 3855919.91	2.98E-04	4.69E-08	1.84E-08	3.65E-04	5.74E-08	2.26E-08	3.20E-04	5.03E-08	1.98E-08

5977	482865.49, 3855919.36	2.85E-04	4.50E-08	1.77E-08	3.50E-04	5.51E-08	2.16E-08	3.06E-04	4.83E-08	1.90E-08
5978	482783.61, 3855918.8	2.75E-04	4.33E-08	1.70E-08	3.37E-04	5.31E-08	2.08E-08	2.95E-04	4.65E-08	1.83E-08
5979	482700.33, 3855818.39	2.72E-04	4.28E-08	1.68E-08	3.33E-04	5.24E-08	2.06E-08	2.92E-04	4.60E-08	1.81E-08
5980	482698.92, 3855718.54	2.80E-04	4.41E-08	1.73E-08	3.43E-04	5.40E-08	2.12E-08	3.00E-04	4.73E-08	1.86E-08
5981	482697.52, 3855618.68	2.86E-04	4.50E-08	1.77E-08	3.50E-04	5.52E-08	2.17E-08	3.07E-04	4.83E-08	1.90E-08
5982	482696.11, 3855518.83	2.93E-04	4.62E-08	1.81E-08	3.59E-04	5.66E-08	2.22E-08	3.15E-04	4.96E-08	1.95E-08
5983	482694.71, 3855418.98	2.98E-04	4.70E-08	1.85E-08	3.65E-04	5.76E-08	2.26E-08	3.20E-04	5.04E-08	1.98E-08
5984	482693.3, 3855319.13	3.03E-04	4.78E-08	1.88E-08	3.72E-04	5.85E-08	2.30E-08	3.26E-04	5.13E-08	2.02E-08
5985	482691.9, 3855219.27	3.10E-04	4.89E-08	1.92E-08	3.80E-04	5.98E-08	2.35E-08	3.33E-04	5.25E-08	2.06E-08
5986	482690.49, 3855119.42	3.16E-04	4.99E-08	1.96E-08	3.88E-04	6.11E-08	2.40E-08	3.40E-04	5.35E-08	2.10E-08
5987	482689.09, 3855019.57	3.27E-04	5.15E-08	2.02E-08	4.01E-04	6.31E-08	2.48E-08	3.51E-04	5.54E-08	2.17E-08
5988	482687.68, 3854919.72	3.36E-04	5.30E-08	2.08E-08	4.12E-04	6.49E-08	2.55E-08	3.61E-04	5.69E-08	2.23E-08
5989	482686.28, 3854819.86	3.49E-04	5.49E-08	2.16E-08	4.27E-04	6.73E-08	2.64E-08	3.74E-04	5.90E-08	2.32E-08
5990	482684.88, 3854720.01	3.58E-04	5.64E-08	2.22E-08	4.39E-04	6.91E-08	2.72E-08	3.85E-04	6.06E-08	2.38E-08
5991	482683.47, 3854620.16	3.74E-04	5.90E-08	2.32E-08	4.59E-04	7.22E-08	2.84E-08	4.02E-04	6.34E-08	2.49E-08
5992	482682.07, 3854520.31	3.88E-04	6.12E-08	2.40E-08	4.76E-04	7.50E-08	2.95E-08	4.18E-04	6.58E-08	2.59E-08
5993	482680.66, 3854420.45	4.02E-04	6.34E-08	2.49E-08	4.93E-04	7.77E-08	3.05E-08	4.33E-04	6.82E-08	2.68E-08
5994	482679.26, 3854320.6	4.13E-04	6.51E-08	2.56E-08	5.06E-04	7.98E-08	3.13E-08	4.45E-04	7.01E-08	2.75E-08
5995	482677.85, 3854220.75	4.36E-04	6.87E-08	2.70E-08	5.35E-04	8.42E-08	3.31E-08	4.70E-04	7.40E-08	2.91E-08
5996	482676.45, 3854120.9	4.34E-04	6.84E-08	2.69E-08	5.32E-04	8.39E-08	3.29E-08	4.68E-04	7.37E-08	2.90E-08
5997	482675.04, 3854021.04	4.36E-04	6.87E-08	2.70E-08	5.34E-04	8.42E-08	3.31E-08	4.70E-04	7.40E-08	2.91E-08
5998	482673.64, 3853921.19	4.35E-04	6.85E-08	2.69E-08	5.33E-04	8.39E-08	3.30E-08	4.69E-04	7.38E-08	2.90E-08
5999	482672.23, 3853821.34	4.41E-04	6.94E-08	2.73E-08	5.40E-04	8.51E-08	3.34E-08	4.75E-04	7.49E-08	2.94E-08
6000	482670.83, 3853721.49	4.33E-04	6.83E-08	2.68E-08	5.31E-04	8.37E-08	3.29E-08	4.67E-04	7.36E-08	2.89E-08
6001	482669.42, 3853621.63	3.84E-04	6.05E-08	2.38E-08	4.71E-04	7.42E-08	2.91E-08	4.14E-04	6.53E-08	2.56E-08
6002	482645.99, 3853446.13	2.23E-04	3.51E-08	1.38E-08	2.73E-04	4.31E-08	1.69E-08	2.40E-04	3.78E-08	1.49E-08
6003	482623.97, 3853370.49	1.88E-04	2.97E-08	1.17E-08	2.31E-04	3.64E-08	1.43E-08	2.03E-04	3.19E-08	1.25E-08
6004	482601.94, 3853294.84	1.67E-04	2.63E-08	1.03E-08	2.04E-04	3.22E-08	1.26E-08	1.79E-04	2.82E-08	1.11E-08
6005	482531.29, 3853133.44	1.39E-04	2.19E-08	8.62E-09	1.71E-04	2.69E-08	1.06E-08	1.50E-04	2.36E-08	9.27E-09
6006	482482.68, 3853047.69	1.30E-04	2.05E-08	8.04E-09	1.59E-04	2.51E-08	9.85E-09	1.40E-04	2.20E-08	8.65E-09
6007	482383.09, 3852897.4	1.16E-04	1.83E-08	7.18E-09	1.42E-04	2.24E-08	8.79E-09	1.25E-04	1.96E-08	7.71E-09
6008	482265.64, 3852765.26	1.06E-04	1.67E-08	6.55E-09	1.30E-04	2.04E-08	8.03E-09	1.14E-04	1.79E-08	7.04E-09
6009	482199.16, 3852697.66	1.01E-04	1.60E-08	6.27E-09	1.24E-04	1.96E-08	7.69E-09	1.09E-04	1.72E-08	6.74E-09
6010	482132.69, 3852630.07	9.74E-05	1.53E-08	6.02E-09	1.19E-04	1.88E-08	7.38E-09	1.05E-04	1.65E-08	6.47E-09
6011	482066.21, 3852562.48	9.36E-05	1.47E-08	5.79E-09	1.15E-04	1.81E-08	7.09E-09	1.01E-04	1.58E-08	6.22E-09
6012	481999.74, 3852494.89	9.00E-05	1.42E-08	5.57E-09	1.10E-04	1.74E-08	6.82E-09	9.67E-05	1.52E-08	5.98E-09
6013	481933.26, 3852427.29	8.66E-05	1.36E-08	5.36E-09	1.06E-04	1.67E-08	6.57E-09	9.31E-05	1.47E-08	5.76E-09
6014	481866.79, 3852359.7	8.37E-05	1.32E-08	5.18E-09	1.03E-04	1.62E-08	6.35E-09	8.99E-05	1.42E-08	5.57E-09
6015	481800.31, 3852292.11	8.10E-05	1.28E-08	5.01E-09	9.92E-05	1.56E-08	6.14E-09	8.70E-05	1.37E-08	5.39E-09
6016	481733.84, 3852224.52	7.84E-05	1.24E-08	4.85E-09	9.61E-05	1.51E-08	5.95E-09	8.43E-05	1.33E-08	5.22E-09
6017	481667.36, 3852156.92	7.61E-05	1.20E-08	4.71E-09	9.32E-05	1.47E-08	5.77E-09	8.18E-05	1.29E-08	5.06E-09
6018	481600.89, 3852089.33	7.36E-05	1.16E-08	4.56E-09	9.02E-05	1.42E-08	5.58E-09	7.91E-05	1.25E-08	4.90E-09
6019	481534.41, 3852021.74	7.13E-05	1.12E-08	4.41E-09	8.73E-05	1.38E-08	5.40E-09	7.66E-05	1.21E-08	4.74E-09
6020	481467.94, 3851954.15	6.91E-05	1.09E-08	4.28E-09	8.47E-05	1.33E-08	5.24E-09	7.43E-05	1.17E-08	4.60E-09
6021	481401.46, 3851886.55	6.72E-05	1.06E-08	4.16E-09	8.23E-05	1.30E-08	5.09E-09	7.22E-05	1.14E-08	4.47E-09
6022	481265.87, 3851761.43	6.35E-05	1.00E-08	3.93E-09	7.78E-05	1.23E-08	4.82E-09	6.83E-05	1.08E-08	4.22E-09
6023	481196.74, 3851703.89	6.19E-05	9.75E-09	3.83E-09	7.58E-05	1.19E-08	4.69E-09	6.65E-05	1.05E-08	4.12E-09
6024	481076.33, 3851619.05	5.93E-05	9.35E-09	3.67E-09	7.27E-05	1.15E-08	4.50E-09	6.38E-05	1.00E-08	3.95E-09
6025	480939.8, 3851549.07	5.68E-05	8.95E-09	3.52E-09	6.96E-05	1.10E-08	4.31E-09	6.11E-05	9.62E-09	3.78E-09
6026	480854.56, 3851506.41	5.52E-05	8.70E-09	3.42E-09	6.77E-05	1.07E-08	4.19E-09	5.93E-05	9.35E-09	3.67E-09
6027	480769.32, 3851463.75	5.37E-05	8.46E-09	3.32E-09	6.58E-05	1.04E-08	4.07E-09	5.77E-05	9.09E-09	3.57E-09
6028	480684.08, 3851421.08	5.22E-05	8.22E-09	3.23E-09	6.39E-05	1.01E-08	3.95E-09	5.60E-05	8.83E-09	3.47E-09
6029	480598.84, 3851378.42	5.06E-05	7.97E-09	3.13E-09	6.20E-05	9.76E-09	3.84E-09	5.44E-05	8.56E-09	3.36E-09
6030	480435.71, 3851275.01	4.78E-05	7.53E-09	2.96E-09	5.85E-05	9.22E-09	3.62E-09	5.13E-05	8.09E-09	3.18E-09
6031	480347.85, 3851232.36	4.63E-05	7.29E-09	2.87E-09	5.67E-05	8.94E-09	3.51E-09	4.98E-05	7.84E-09	3.08E-09
6032	480260, 3851189.72	4.49E-05	7.07E-09	2.78E-09	5.50E-05	8.66E-09	3.40E-09	4.82E-05	7.60E-09	2.99E-09
6033	480172.15, 3851147.07	4.35E-05	6.86E-09	2.69E-09	5.33E-05	8.40E-09	3.30E-09	4.68E-05	7.37E-09	2.89E-09
6034	480084.29, 3851104.42	4.22E-05	6.64E-09	2.61E-09	5.16E-05	8.14E-09	3.20E-09	4.53E-05	7.14E-09	2.80E-09
6035	479996.44, 3851061.77	4.09E-05	6.44E-09	2.53E-09	5.01E-05	7.89E-09	3.10E-09	4.39E-05	6.92E-09	2.72E-09
6036	479908.58, 3851019.13	3.95E-05	6.22E-09	2.45E-09	4.84E-05	7.62E-09	3.00E-09	4.25E-05	6.69E-09	2.63E-09
6037	479820.73, 3850976.48	3.83E-05	6.04E-09	2.37E-09	4.69E-05	7.39E-09	2.90E-09	4.12E-05	6.49E-09	2.55E-09
6038	479732.88, 3850933.83	3.72E-05	5.85E-09	2.30E-09	4.55E-05	7.17E-09	2.82E-09	3.99E-05	6.29E-09	2.47E-09
6039	479645.02, 3850891.18	3.61E-05	5.69E-09	2.23E-09	4.42E-05	6.96E-09	2.74E-09	3.88E-05	6.11E-09	2.40E-09
6040	479557.17, 3850848.54	3.51E-05	5.54E-09	2.18E-09	4.31E-05	6.78E-09	2.66E-09	3.78E-05	5.95E-09	2.34E-09
6041	479469.32, 3850805.89	3.41E-05	5.37E-09	2.11E-09	4.18E-05	6.58E-09	2.59E-09	3.67E-05	5.78E-09	2.27E-09

6042 479381.46, 3850763.24	3.34E-05	5.26E-09	2.06E-09	4.09E-05	6.44E-09	2.53E-09	3.59E-05	5.65E-09	2.22E-09
6043 479293.61, 3850720.59	3.28E-05	5.16E-09	2.03E-09	4.02E-05	6.33E-09	2.49E-09	3.52E-05	5.55E-09	2.18E-09
6044 479205.76, 3850677.95	3.22E-05	5.07E-09	1.99E-09	3.94E-05	6.21E-09	2.44E-09	3.46E-05	5.45E-09	2.14E-09
6045 479117.9, 3850635.3	3.16E-05	4.98E-09	1.96E-09	3.88E-05	6.10E-09	2.40E-09	3.40E-05	5.36E-09	2.10E-09
6046 479030.05, 3850592.65	3.11E-05	4.90E-09	1.92E-09	3.81E-05	6.00E-09	2.36E-09	3.34E-05	5.26E-09	2.07E-09
6047 478942.19, 3850550	3.04E-05	4.79E-09	1.88E-09	3.72E-05	5.87E-09	2.30E-09	3.27E-05	5.15E-09	2.02E-09
6048 478854.34, 3850507.36	2.93E-05	4.62E-09	1.81E-09	3.59E-05	5.66E-09	2.22E-09	3.15E-05	4.96E-09	1.95E-09
6049 478766.49, 3850464.71	2.85E-05	4.49E-09	1.77E-09	3.49E-05	5.51E-09	2.16E-09	3.07E-05	4.83E-09	1.90E-09
6050 478678.63, 3850422.06	2.79E-05	4.39E-09	1.73E-09	3.42E-05	5.38E-09	2.11E-09	3.00E-05	4.72E-09	1.86E-09
6051 478590.78, 3850379.41	2.72E-05	4.29E-09	1.69E-09	3.34E-05	5.26E-09	2.06E-09	2.93E-05	4.61E-09	1.81E-09
6052 478502.93, 3850336.77	2.67E-05	4.21E-09	1.66E-09	3.28E-05	5.16E-09	2.03E-09	2.87E-05	4.53E-09	1.78E-09
6053 478415.07, 3850294.12	2.64E-05	4.16E-09	1.63E-09	3.23E-05	5.09E-09	2.00E-09	2.83E-05	4.47E-09	1.75E-09
6054 478327.22, 3850251.47	2.58E-05	4.06E-09	1.59E-09	3.16E-05	4.97E-09	1.95E-09	2.77E-05	4.36E-09	1.71E-09
6055 478239.36, 3850208.82	2.53E-05	3.99E-09	1.57E-09	3.10E-05	4.88E-09	1.92E-09	2.72E-05	4.28E-09	1.68E-09
6056 478151.51, 3850166.18	2.49E-05	3.92E-09	1.54E-09	3.05E-05	4.81E-09	1.89E-09	2.68E-05	4.22E-09	1.66E-09
6057 478063.66, 3850123.53	2.46E-05	3.87E-09	1.52E-09	3.01E-05	4.74E-09	1.86E-09	2.64E-05	4.16E-09	1.63E-09
6058 477975.8, 3850080.88	2.51E-05	3.95E-09	1.55E-09	3.07E-05	4.84E-09	1.90E-09	2.69E-05	4.24E-09	1.67E-09
6059 477887.95, 3850038.23	2.49E-05	3.93E-09	1.54E-09	3.05E-05	4.81E-09	1.89E-09	2.68E-05	4.22E-09	1.66E-09
6060 477800.1, 3849995.59	2.49E-05	3.92E-09	1.54E-09	3.05E-05	4.80E-09	1.89E-09	2.67E-05	4.21E-09	1.65E-09
6061 477712.24, 3849952.94	2.46E-05	3.88E-09	1.52E-09	3.02E-05	4.75E-09	1.87E-09	2.65E-05	4.17E-09	1.64E-09
6062 477624.39, 3849910.29	2.44E-05	3.84E-09	1.51E-09	2.99E-05	4.71E-09	1.85E-09	2.62E-05	4.13E-09	1.62E-09
6063 477536.54, 3849867.64	2.42E-05	3.82E-09	1.50E-09	2.97E-05	4.67E-09	1.84E-09	2.60E-05	4.10E-09	1.61E-09
6064 477448.68, 3849825	2.39E-05	3.77E-09	1.48E-09	2.93E-05	4.62E-09	1.81E-09	2.57E-05	4.05E-09	1.59E-09
6065 477360.83, 3849782.35	2.37E-05	3.73E-09	1.47E-09	2.90E-05	4.57E-09	1.79E-09	2.54E-05	4.01E-09	1.57E-09
6066 477272.97, 3849739.7	2.34E-05	3.69E-09	1.45E-09	2.87E-05	4.52E-09	1.77E-09	2.52E-05	3.96E-09	1.56E-09
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6068 477097.27, 3849654.41	2.29E-05	3.60E-09	1.42E-09	2.80E-05	4.41E-09	1.73E-09	2.46E-05	3.87E-09	1.52E-09
6069 477009.41, 3849611.76	2.24E-05	3.53E-09	1.39E-09	2.74E-05	4.32E-09	1.70E-09	2.41E-05	3.79E-09	1.49E-09
6070 476841.49, 3849530.08	2.18E-05	3.44E-09	1.35E-09	2.67E-05	4.21E-09	1.66E-09	2.35E-05	3.70E-09	1.45E-09
6071 476761.41, 3849491.05	2.16E-05	3.41E-09	1.34E-09	2.65E-05	4.18E-09	1.64E-09	2.33E-05	3.66E-09	1.44E-09
6072 476681.34, 3849452.02	2.13E-05	3.36E-09	1.32E-09	2.61E-05	4.11E-09	1.62E-09	2.29E-05	3.61E-09	1.42E-09
6073 476601.26, 3849412.99	2.09E-05	3.30E-09	1.30E-09	2.57E-05	4.04E-09	1.59E-09	2.25E-05	3.54E-09	1.39E-09
6074 476456.32, 3849353.67	2.02E-05	3.19E-09	1.25E-09	2.48E-05	3.90E-09	1.53E-09	2.17E-05	3.42E-09	1.35E-09
6075 476305.43, 3849318.84	2.02E-05	3.19E-09	1.25E-09	2.48E-05	3.90E-09	1.53E-09	2.17E-05	3.42E-09	1.35E-09
6076 476129.36, 3849289.99	2.01E-05	3.16E-09	1.24E-09	2.46E-05	3.87E-09	1.52E-09	2.15E-05	3.39E-09	1.33E-09
6077 476039.31, 3849275.68	2.00E-05	3.15E-09	1.24E-09	2.45E-05	3.86E-09	1.52E-09	2.15E-05	3.39E-09	1.33E-09
6078 475949.26, 3849261.38	1.97E-05	3.10E-09	1.22E-09	2.41E-05	3.79E-09	1.49E-09	2.11E-05	3.33E-09	1.31E-09
6079 475859.21, 3849247.08	1.96E-05	3.08E-09	1.21E-09	2.40E-05	3.77E-09	1.48E-09	2.10E-05	3.31E-09	1.30E-09
6080 475769.16, 3849232.77	1.94E-05	3.06E-09	1.20E-09	2.38E-05	3.74E-09	1.47E-09	2.08E-05	3.28E-09	1.29E-09
6081 475585.23, 3849219.27	1.75E-05	2.76E-09	1.09E-09	2.15E-05	3.39E-09	1.33E-09	1.88E-05	2.97E-09	1.17E-09
6082 475444.5, 3849150.35	1.83E-05	2.88E-09	1.13E-09	2.24E-05	3.53E-09	1.39E-09	1.96E-05	3.09E-09	1.22E-09
6083 475334.18, 3849118.71	1.83E-05	2.89E-09	1.13E-09	2.24E-05	3.53E-09	1.39E-09	1.97E-05	3.10E-09	1.22E-09
6084 475230.47, 3849060.57	1.81E-05	2.85E-09	1.12E-09	2.21E-05	3.49E-09	1.37E-09	1.94E-05	3.06E-09	1.20E-09
6085 475110.86, 3848960.97	1.76E-05	2.77E-09	1.09E-09	2.16E-05	3.40E-09	1.34E-09	1.89E-05	2.98E-09	1.17E-09
6086 475037.79, 3848896.28	1.72E-05	2.72E-09	1.07E-09	2.11E-05	3.33E-09	1.31E-09	1.85E-05	2.92E-09	1.15E-09
6087 474964.72, 3848831.59	1.69E-05	2.66E-09	1.04E-09	2.07E-05	3.25E-09	1.28E-09	1.81E-05	2.85E-09	1.12E-09
6088 474891.65, 3848766.9	1.66E-05	2.62E-09	1.03E-09	2.03E-05	3.21E-09	1.26E-09	1.78E-05	2.81E-09	1.10E-09
6089 474818.58, 3848702.22	1.64E-05	2.59E-09	1.02E-09	2.01E-05	3.17E-09	1.24E-09	1.76E-05	2.78E-09	1.09E-09
6090 474745.51, 3848637.53	1.64E-05	2.59E-09	1.02E-09	2.01E-05	3.17E-09	1.25E-09	1.76E-05	2.78E-09	1.09E-09
6091 474672.44, 3848572.84	1.63E-05	2.57E-09	1.01E-09	2.00E-05	3.14E-09	1.23E-09	1.75E-05	2.76E-09	1.08E-09
6092 474599.37, 3848508.15	1.60E-05	2.52E-09	9.89E-10	1.96E-05	3.08E-09	1.21E-09	1.72E-05	2.70E-09	1.06E-09
6093 474526.3, 3848443.46	1.58E-05	2.48E-09	9.75E-10	1.93E-05	3.04E-09	1.19E-09	1.69E-05	2.67E-09	1.05E-09

IMF - Park Risk

		2028 RD			2033 RD			2048 RD		
Rec#	X, Y	Concentrat	Dose	Risk	Concentrat	Dose	Risk	Concentrat	Dose	Risk
1	485973.61, 3854	1.14E-03	3.61E-07	1.53E-07	1.40E-03	4.43E-07	1.88E-07	1.23E-03	3.87E-07	1.64E-07
2	486023.61, 3854	1.10E-03	3.46E-07	1.47E-07	1.34E-03	4.24E-07	1.80E-07	1.17E-03	3.70E-07	1.57E-07
3	486073.61, 3854	1.06E-03	3.34E-07	1.42E-07	1.30E-03	4.09E-07	1.74E-07	1.13E-03	3.58E-07	1.52E-07
4	486123.61, 3854	1.00E-03	3.16E-07	1.34E-07	1.23E-03	3.87E-07	1.64E-07	1.07E-03	3.39E-07	1.44E-07
5	486173.61, 3854	9.82E-04	3.10E-07	1.31E-07	1.20E-03	3.80E-07	1.61E-07	1.05E-03	3.32E-07	1.41E-07
6	486223.61, 3854	9.43E-04	2.98E-07	1.26E-07	1.16E-03	3.65E-07	1.55E-07	1.01E-03	3.19E-07	1.35E-07
7	486273.61, 3854	9.13E-04	2.88E-07	1.22E-07	1.12E-03	3.53E-07	1.50E-07	9.78E-04	3.09E-07	1.31E-07
8	486323.61, 3854	8.86E-04	2.80E-07	1.19E-07	1.09E-03	3.43E-07	1.45E-07	9.49E-04	3.00E-07	1.27E-07
9	485973.61, 3854	1.24E-03	3.90E-07	1.66E-07	1.51E-03	4.78E-07	2.03E-07	1.32E-03	4.18E-07	1.77E-07
10	486023.61, 3854	1.19E-03	3.75E-07	1.59E-07	1.45E-03	4.59E-07	1.95E-07	1.27E-03	4.01E-07	1.70E-07
11	486073.61, 3854	1.14E-03	3.58E-07	1.52E-07	1.39E-03	4.39E-07	1.86E-07	1.22E-03	3.84E-07	1.63E-07
12	486123.61, 3854	1.09E-03	3.43E-07	1.46E-07	1.33E-03	4.21E-07	1.79E-07	1.17E-03	3.68E-07	1.56E-07
13	486173.61, 3854	1.06E-03	3.33E-07	1.41E-07	1.29E-03	4.08E-07	1.73E-07	1.13E-03	3.57E-07	1.51E-07
14	486223.61, 3854	1.01E-03	3.19E-07	1.36E-07	1.24E-03	3.91E-07	1.66E-07	1.08E-03	3.42E-07	1.45E-07
15	486273.61, 3854	9.68E-04	3.06E-07	1.30E-07	1.19E-03	3.74E-07	1.59E-07	1.04E-03	3.27E-07	1.39E-07
16	486323.61, 3854	9.53E-04	3.01E-07	1.28E-07	1.17E-03	3.69E-07	1.56E-07	1.02E-03	3.22E-07	1.37E-07
17	485973.61, 3855	1.33E-03	4.21E-07	1.79E-07	1.64E-03	5.16E-07	2.19E-07	1.43E-03	4.51E-07	1.92E-07
18	486023.61, 3855	1.28E-03	4.03E-07	1.71E-07	1.56E-03	4.94E-07	2.09E-07	1.37E-03	4.32E-07	1.83E-07
19	486073.61, 3855	1.21E-03	3.83E-07	1.63E-07	1.49E-03	4.69E-07	1.99E-07	1.30E-03	4.11E-07	1.74E-07
20	486123.61, 3855	1.16E-03	3.67E-07	1.56E-07	1.43E-03	4.50E-07	1.91E-07	1.25E-03	3.94E-07	1.67E-07
21	486173.61, 3855	1.13E-03	3.56E-07	1.51E-07	1.38E-03	4.36E-07	1.85E-07	1.21E-03	3.82E-07	1.62E-07
22	486223.61, 3855	1.08E-03	3.40E-07	1.44E-07	1.32E-03	4.16E-07	1.76E-07	1.15E-03	3.64E-07	1.54E-07
23	486273.61, 3855	1.05E-03	3.31E-07	1.40E-07	1.28E-03	4.05E-07	1.72E-07	1.12E-03	3.55E-07	1.51E-07
24	486323.61, 3855	1.01E-03	3.19E-07	1.35E-07	1.24E-03	3.90E-07	1.66E-07	1.08E-03	3.42E-07	1.45E-07
25	485973.61, 3855	1.43E-03	4.52E-07	1.92E-07	1.75E-03	5.53E-07	2.35E-07	1.53E-03	4.84E-07	2.05E-07
26	486023.61, 3855	1.37E-03	4.34E-07	1.84E-07	1.68E-03	5.31E-07	2.25E-07	1.47E-03	4.65E-07	1.97E-07
27	486073.61, 3855	1.30E-03	4.11E-07	1.75E-07	1.60E-03	5.04E-07	2.14E-07	1.40E-03	4.41E-07	1.87E-07
28	486123.61, 3855	1.26E-03	3.96E-07	1.68E-07	1.54E-03	4.85E-07	2.06E-07	1.35E-03	4.25E-07	1.80E-07
29	486173.61, 3855	1.20E-03	3.78E-07	1.60E-07	1.47E-03	4.63E-07	1.96E-07	1.28E-03	4.05E-07	1.72E-07
30	486223.61, 3855	1.15E-03	3.64E-07	1.55E-07	1.41E-03	4.46E-07	1.89E-07	1.24E-03	3.91E-07	1.66E-07
31	485973.61, 3855	1.54E-03	4.86E-07	2.06E-07	1.89E-03	5.95E-07	2.53E-07	1.65E-03	5.21E-07	2.21E-07
32	486023.61, 3855	1.47E-03	4.64E-07	1.97E-07	1.80E-03	5.68E-07	2.41E-07	1.58E-03	4.97E-07	2.11E-07
33	486073.61, 3855	1.40E-03	4.42E-07	1.88E-07	1.72E-03	5.42E-07	2.30E-07	1.50E-03	4.74E-07	2.01E-07
34	486123.61, 3855	1.34E-03	4.23E-07	1.80E-07	1.64E-03	5.19E-07	2.20E-07	1.44E-03	4.54E-07	1.93E-07
35	486173.61, 3855	1.28E-03	4.05E-07	1.72E-07	1.57E-03	4.96E-07	2.10E-07	1.38E-03	4.34E-07	1.84E-07
36	486223.61, 3855	1.23E-03	3.88E-07	1.65E-07	1.51E-03	4.76E-07	2.02E-07	1.32E-03	4.17E-07	1.77E-07
37	485973.61, 3855	1.65E-03	5.21E-07	2.21E-07	2.02E-03	6.38E-07	2.71E-07	1.77E-03	5.59E-07	2.37E-07
38	486023.61, 3855	1.58E-03	4.98E-07	2.11E-07	1.93E-03	6.10E-07	2.59E-07	1.69E-03	5.34E-07	2.27E-07
39	486073.61, 3855	1.50E-03	4.72E-07	2.00E-07	1.83E-03	5.78E-07	2.45E-07	1.61E-03	5.07E-07	2.15E-07
40	486123.61, 3855	1.42E-03	4.48E-07	1.90E-07	1.74E-03	5.49E-07	2.33E-07	1.53E-03	4.81E-07	2.04E-07
41	486173.61, 3855	1.36E-03	4.29E-07	1.82E-07	1.67E-03	5.26E-07	2.23E-07	1.46E-03	4.61E-07	1.96E-07
42	486223.61, 3855	1.30E-03	4.12E-07	1.75E-07	1.60E-03	5.04E-07	2.14E-07	1.40E-03	4.42E-07	1.87E-07
43	486273.61, 3855	1.25E-03	3.94E-07	1.67E-07	1.53E-03	4.83E-07	2.05E-07	1.34E-03	4.23E-07	1.79E-07
44	486323.61, 3855	1.23E-03	3.88E-07	1.65E-07	1.51E-03	4.75E-07	2.02E-07	1.32E-03	4.16E-07	1.77E-07
45	485973.61, 3855	1.76E-03	5.57E-07	2.36E-07	2.16E-03	6.82E-07	2.89E-07	1.89E-03	5.98E-07	2.54E-07
46	486023.61, 3855	1.67E-03	5.28E-07	2.24E-07	2.05E-03	6.46E-07	2.74E-07	1.79E-03	5.67E-07	2.40E-07
47	486073.61, 3855	1.58E-03	5.00E-07	2.12E-07	1.94E-03	6.12E-07	2.60E-07	1.70E-03	5.36E-07	2.28E-07
48	486123.61, 3855	1.51E-03	4.77E-07	2.02E-07	1.85E-03	5.84E-07	2.48E-07	1.62E-03	5.12E-07	2.17E-07
49	486173.61, 3855	1.44E-03	4.56E-07	1.93E-07	1.77E-03	5.59E-07	2.37E-07	1.55E-03	4.90E-07	2.08E-07
50	486223.61, 3855	1.38E-03	4.36E-07	1.85E-07	1.69E-03	5.34E-07	2.26E-07	1.48E-03	4.68E-07	1.98E-07
51	486273.61, 3855	1.30E-03	4.12E-07	1.75E-07	1.60E-03	5.05E-07	2.14E-07	1.40E-03	4.42E-07	1.88E-07
52	486323.61, 3855	1.30E-03	4.10E-07	1.74E-07	1.59E-03	5.02E-07	2.13E-07	1.39E-03	4.40E-07	1.87E-07
53	485973.61, 3855	1.88E-03	5.93E-07	2.51E-07	2.30E-03	7.26E-07	3.08E-07	2.02E-03	6.37E-07	2.70E-07
54	486023.61, 3855	1.77E-03	5.60E-07	2.38E-07	2.17E-03	6.86E-07	2.91E-07	1.91E-03	6.02E-07	2.55E-07

55	486073.61, 3855	1.68E-03	5.32E-07	2.26E-07	2.06E-03	6.51E-07	2.76E-07	1.81E-03	5.71E-07	2.42E-07
56	486123.61, 3855	1.60E-03	5.04E-07	2.14E-07	1.96E-03	6.18E-07	2.62E-07	1.72E-03	5.42E-07	2.30E-07
57	486173.61, 3855	1.52E-03	4.80E-07	2.04E-07	1.86E-03	5.88E-07	2.49E-07	1.63E-03	5.16E-07	2.19E-07
58	486223.61, 3855	1.46E-03	4.60E-07	1.95E-07	1.79E-03	5.64E-07	2.39E-07	1.57E-03	4.94E-07	2.10E-07
59	486123.61, 3855	1.69E-03	5.32E-07	2.26E-07	2.07E-03	6.52E-07	2.77E-07	1.81E-03	5.72E-07	2.43E-07
60	486173.61, 3855	1.61E-03	5.08E-07	2.16E-07	1.97E-03	6.23E-07	2.64E-07	1.73E-03	5.46E-07	2.32E-07
61	486223.61, 3855	1.54E-03	4.85E-07	2.06E-07	1.88E-03	5.94E-07	2.52E-07	1.65E-03	5.22E-07	2.21E-07
62	486123.61, 3855	1.78E-03	5.63E-07	2.39E-07	2.19E-03	6.90E-07	2.93E-07	1.92E-03	6.05E-07	2.57E-07
63	486173.61, 3855	1.70E-03	5.37E-07	2.28E-07	2.08E-03	6.58E-07	2.79E-07	1.83E-03	5.77E-07	2.45E-07
64	486223.61, 3855	1.63E-03	5.13E-07	2.18E-07	1.99E-03	6.29E-07	2.67E-07	1.75E-03	5.52E-07	2.34E-07
65	486533.18, 3855	1.37E-03	4.31E-07	1.83E-07	1.67E-03	5.28E-07	2.24E-07	1.47E-03	4.64E-07	1.97E-07
66	486583.18, 3855	1.32E-03	4.15E-07	1.76E-07	1.61E-03	5.09E-07	2.16E-07	1.42E-03	4.47E-07	1.90E-07
67	486633.18, 3855	1.27E-03	4.01E-07	1.70E-07	1.56E-03	4.91E-07	2.08E-07	1.37E-03	4.31E-07	1.83E-07
68	486683.18, 3855	1.23E-03	3.90E-07	1.65E-07	1.51E-03	4.77E-07	2.02E-07	1.33E-03	4.19E-07	1.78E-07
69	486533.18, 3855	1.43E-03	4.51E-07	1.91E-07	1.75E-03	5.53E-07	2.34E-07	1.54E-03	4.85E-07	2.06E-07
70	486583.18, 3855	1.38E-03	4.36E-07	1.85E-07	1.69E-03	5.33E-07	2.26E-07	1.48E-03	4.69E-07	1.99E-07
71	486633.18, 3855	1.33E-03	4.20E-07	1.78E-07	1.63E-03	5.15E-07	2.18E-07	1.43E-03	4.52E-07	1.92E-07
72	486683.18, 3855	1.29E-03	4.06E-07	1.72E-07	1.58E-03	4.97E-07	2.11E-07	1.38E-03	4.37E-07	1.85E-07
73	486533.18, 3855	1.50E-03	4.74E-07	2.01E-07	1.84E-03	5.81E-07	2.46E-07	1.62E-03	5.10E-07	2.16E-07
74	486583.18, 3855	1.44E-03	4.54E-07	1.92E-07	1.76E-03	5.56E-07	2.36E-07	1.55E-03	4.88E-07	2.07E-07
75	486633.18, 3855	1.39E-03	4.38E-07	1.86E-07	1.70E-03	5.37E-07	2.28E-07	1.49E-03	4.72E-07	2.00E-07
76	486683.18, 3855	1.33E-03	4.20E-07	1.78E-07	1.63E-03	5.14E-07	2.18E-07	1.43E-03	4.52E-07	1.92E-07
77	486533.18, 3855	1.57E-03	4.96E-07	2.10E-07	1.92E-03	6.07E-07	2.58E-07	1.69E-03	5.34E-07	2.26E-07
78	486583.18, 3855	1.51E-03	4.75E-07	2.02E-07	1.84E-03	5.82E-07	2.47E-07	1.62E-03	5.12E-07	2.17E-07
79	486633.18, 3855	1.45E-03	4.57E-07	1.94E-07	1.78E-03	5.60E-07	2.38E-07	1.56E-03	4.92E-07	2.09E-07
80	486683.18, 3855	1.40E-03	4.42E-07	1.88E-07	1.72E-03	5.42E-07	2.30E-07	1.51E-03	4.76E-07	2.02E-07
81	486533.18, 3855	1.65E-03	5.20E-07	2.20E-07	2.02E-03	6.36E-07	2.70E-07	1.77E-03	5.60E-07	2.37E-07
82	486583.18, 3855	1.58E-03	4.99E-07	2.12E-07	1.94E-03	6.11E-07	2.59E-07	1.70E-03	5.37E-07	2.28E-07
83	486633.18, 3855	1.52E-03	4.79E-07	2.03E-07	1.86E-03	5.87E-07	2.49E-07	1.63E-03	5.16E-07	2.19E-07
84	486683.18, 3855	1.46E-03	4.62E-07	1.96E-07	1.79E-03	5.66E-07	2.40E-07	1.58E-03	4.97E-07	2.11E-07
85	486533.18, 3855	1.74E-03	5.48E-07	2.33E-07	2.13E-03	6.71E-07	2.85E-07	1.87E-03	5.90E-07	2.50E-07
86	486583.18, 3855	1.65E-03	5.21E-07	2.21E-07	2.02E-03	6.39E-07	2.71E-07	1.78E-03	5.62E-07	2.38E-07
87	486633.18, 3855	1.57E-03	4.96E-07	2.11E-07	1.93E-03	6.08E-07	2.58E-07	1.69E-03	5.35E-07	2.27E-07
88	486683.18, 3855	1.53E-03	4.82E-07	2.05E-07	1.87E-03	5.91E-07	2.51E-07	1.65E-03	5.19E-07	2.20E-07
89	486733.18, 3855	1.50E-03	4.73E-07	2.01E-07	1.83E-03	5.79E-07	2.46E-07	1.61E-03	5.09E-07	2.16E-07
90	486783.18, 3855	1.48E-03	4.66E-07	1.98E-07	1.81E-03	5.70E-07	2.42E-07	1.59E-03	5.01E-07	2.13E-07
91	486533.18, 3855	1.82E-03	5.76E-07	2.44E-07	2.23E-03	7.05E-07	2.99E-07	1.96E-03	6.20E-07	2.63E-07
92	486583.18, 3855	1.72E-03	5.43E-07	2.31E-07	2.11E-03	6.66E-07	2.82E-07	1.86E-03	5.86E-07	2.48E-07
93	486633.18, 3855	1.65E-03	5.20E-07	2.21E-07	2.02E-03	6.37E-07	2.70E-07	1.78E-03	5.60E-07	2.38E-07
94	486683.18, 3855	1.61E-03	5.08E-07	2.15E-07	1.97E-03	6.22E-07	2.64E-07	1.73E-03	5.47E-07	2.32E-07
95	486733.18, 3855	1.56E-03	4.93E-07	2.09E-07	1.91E-03	6.04E-07	2.56E-07	1.68E-03	5.31E-07	2.25E-07
96	486783.18, 3855	1.54E-03	4.87E-07	2.07E-07	1.89E-03	5.97E-07	2.53E-07	1.66E-03	5.25E-07	2.23E-07
97	486533.18, 3855	1.92E-03	6.06E-07	2.57E-07	2.35E-03	7.42E-07	3.15E-07	2.07E-03	6.53E-07	2.77E-07
98	486583.18, 3855	1.79E-03	5.65E-07	2.40E-07	2.19E-03	6.92E-07	2.94E-07	1.93E-03	6.09E-07	2.58E-07
99	486633.18, 3855	1.74E-03	5.50E-07	2.33E-07	2.13E-03	6.73E-07	2.86E-07	1.88E-03	5.93E-07	2.51E-07
100	486683.18, 3855	1.70E-03	5.36E-07	2.28E-07	2.08E-03	6.57E-07	2.79E-07	1.83E-03	5.78E-07	2.45E-07
101	486733.18, 3855	1.65E-03	5.22E-07	2.21E-07	2.02E-03	6.39E-07	2.71E-07	1.78E-03	5.62E-07	2.38E-07
102	486783.18, 3855	1.61E-03	5.09E-07	2.16E-07	1.98E-03	6.24E-07	2.65E-07	1.74E-03	5.49E-07	2.33E-07
103	486533.18, 3855	2.01E-03	6.33E-07	2.69E-07	2.46E-03	7.75E-07	3.29E-07	2.16E-03	6.82E-07	2.90E-07
104	486583.18, 3855	1.89E-03	5.96E-07	2.53E-07	2.31E-03	7.30E-07	3.10E-07	2.04E-03	6.42E-07	2.73E-07
105	486633.18, 3855	1.84E-03	5.80E-07	2.46E-07	2.25E-03	7.10E-07	3.01E-07	1.98E-03	6.25E-07	2.65E-07
106	486683.18, 3855	1.79E-03	5.65E-07	2.40E-07	2.19E-03	6.92E-07	2.93E-07	1.93E-03	6.09E-07	2.58E-07
107	486733.18, 3855	1.74E-03	5.50E-07	2.34E-07	2.14E-03	6.74E-07	2.86E-07	1.88E-03	5.93E-07	2.52E-07
108	486783.18, 3855	1.70E-03	5.36E-07	2.27E-07	2.08E-03	6.56E-07	2.78E-07	1.83E-03	5.77E-07	2.45E-07
109	486533.18, 3855	2.07E-03	6.54E-07	2.77E-07	2.54E-03	8.01E-07	3.40E-07	2.23E-03	7.05E-07	2.99E-07
110	486583.18, 3855	2.00E-03	6.32E-07	2.68E-07	2.45E-03	7.75E-07	3.29E-07	2.16E-03	6.82E-07	2.89E-07
111	486633.18, 3855	1.94E-03	6.12E-07	2.60E-07	2.38E-03	7.50E-07	3.18E-07	2.09E-03	6.60E-07	2.80E-07
112	486683.18, 3855	1.89E-03	5.95E-07	2.53E-07	2.31E-03	7.29E-07	3.09E-07	2.03E-03	6.42E-07	2.72E-07

113	486733.18, 3855	1.84E-03	5.79E-07	2.46E-07	2.25E-03	7.09E-07	3.01E-07	1.98E-03	6.24E-07	2.65E-07
114	486783.18, 3855	1.79E-03	5.66E-07	2.40E-07	2.20E-03	6.93E-07	2.94E-07	1.93E-03	6.10E-07	2.59E-07
115	486533.18, 3855	2.19E-03	6.90E-07	2.93E-07	2.68E-03	8.45E-07	3.58E-07	2.36E-03	7.44E-07	3.16E-07
116	486583.18, 3855	2.13E-03	6.73E-07	2.85E-07	2.61E-03	8.24E-07	3.50E-07	2.30E-03	7.26E-07	3.08E-07
117	486633.18, 3855	2.05E-03	6.48E-07	2.75E-07	2.51E-03	7.93E-07	3.37E-07	2.21E-03	6.98E-07	2.96E-07
118	486683.18, 3855	2.00E-03	6.31E-07	2.68E-07	2.45E-03	7.73E-07	3.28E-07	2.16E-03	6.80E-07	2.89E-07
119	486733.18, 3855	1.94E-03	6.11E-07	2.59E-07	2.37E-03	7.48E-07	3.18E-07	2.09E-03	6.59E-07	2.80E-07
120	486783.18, 3855	1.89E-03	5.97E-07	2.53E-07	2.32E-03	7.31E-07	3.10E-07	2.04E-03	6.43E-07	2.73E-07
121	486533.18, 3855	2.33E-03	7.37E-07	3.13E-07	2.86E-03	9.02E-07	3.83E-07	2.52E-03	7.94E-07	3.37E-07
122	486583.18, 3855	2.26E-03	7.12E-07	3.02E-07	2.76E-03	8.72E-07	3.70E-07	2.43E-03	7.68E-07	3.26E-07
123	486633.18, 3855	2.18E-03	6.88E-07	2.92E-07	2.67E-03	8.42E-07	3.57E-07	2.35E-03	7.42E-07	3.15E-07
124	486683.18, 3855	2.12E-03	6.68E-07	2.84E-07	2.59E-03	8.18E-07	3.47E-07	2.28E-03	7.21E-07	3.06E-07
125	486733.18, 3855	2.05E-03	6.47E-07	2.75E-07	2.51E-03	7.93E-07	3.36E-07	2.21E-03	6.98E-07	2.96E-07
126	486783.18, 3855	1.99E-03	6.29E-07	2.67E-07	2.44E-03	7.70E-07	3.27E-07	2.15E-03	6.78E-07	2.88E-07
127	486533.18, 3856	2.49E-03	7.87E-07	3.34E-07	3.05E-03	9.64E-07	4.09E-07	2.69E-03	8.49E-07	3.60E-07
128	486583.18, 3856	2.41E-03	7.61E-07	3.23E-07	2.95E-03	9.32E-07	3.96E-07	2.60E-03	8.21E-07	3.48E-07
129	486633.18, 3856	2.32E-03	7.32E-07	3.11E-07	2.84E-03	8.96E-07	3.80E-07	2.50E-03	7.89E-07	3.35E-07
130	486683.18, 3856	2.25E-03	7.11E-07	3.02E-07	2.76E-03	8.70E-07	3.69E-07	2.43E-03	7.66E-07	3.25E-07
131	486733.18, 3856	2.17E-03	6.86E-07	2.91E-07	2.66E-03	8.40E-07	3.56E-07	2.34E-03	7.39E-07	3.14E-07
132	486783.18, 3856	2.12E-03	6.68E-07	2.83E-07	2.59E-03	8.18E-07	3.47E-07	2.28E-03	7.20E-07	3.06E-07
133	486533.18, 3856	2.69E-03	8.50E-07	3.61E-07	3.30E-03	1.04E-06	4.42E-07	2.91E-03	9.17E-07	3.89E-07
134	486583.18, 3856	2.59E-03	8.16E-07	3.46E-07	3.17E-03	1.00E-06	4.24E-07	2.79E-03	8.80E-07	3.73E-07
135	486633.18, 3856	2.48E-03	7.84E-07	3.33E-07	3.04E-03	9.60E-07	4.07E-07	2.68E-03	8.45E-07	3.59E-07
136	486683.18, 3856	2.40E-03	7.58E-07	3.21E-07	2.94E-03	9.28E-07	3.94E-07	2.59E-03	8.17E-07	3.47E-07
137	486733.18, 3856	2.31E-03	7.31E-07	3.10E-07	2.84E-03	8.95E-07	3.80E-07	2.50E-03	7.88E-07	3.34E-07
138	486783.18, 3856	2.24E-03	7.08E-07	3.00E-07	2.75E-03	8.67E-07	3.68E-07	2.42E-03	7.64E-07	3.24E-07
139	486533.18, 3856	2.92E-03	9.22E-07	3.91E-07	3.58E-03	1.13E-06	4.79E-07	3.15E-03	9.94E-07	4.22E-07
140	486583.18, 3856	2.78E-03	8.77E-07	3.72E-07	3.40E-03	1.07E-06	4.56E-07	3.00E-03	9.46E-07	4.02E-07
141	486633.18, 3856	2.67E-03	8.43E-07	3.58E-07	3.27E-03	1.03E-06	4.38E-07	2.88E-03	9.10E-07	3.86E-07
142	486683.18, 3856	2.57E-03	8.10E-07	3.44E-07	3.14E-03	9.93E-07	4.21E-07	2.77E-03	8.74E-07	3.71E-07
143	486733.18, 3856	2.47E-03	7.80E-07	3.31E-07	3.03E-03	9.56E-07	4.05E-07	2.67E-03	8.41E-07	3.57E-07
144	486783.18, 3856	2.40E-03	7.57E-07	3.21E-07	2.94E-03	9.27E-07	3.94E-07	2.59E-03	8.17E-07	3.47E-07
145	486533.18, 3856	3.21E-03	1.01E-06	4.29E-07	3.93E-03	1.24E-06	5.26E-07	3.46E-03	1.09E-06	4.63E-07
146	486583.18, 3856	3.02E-03	9.53E-07	4.05E-07	3.70E-03	1.17E-06	4.95E-07	3.26E-03	1.03E-06	4.36E-07
147	486633.18, 3856	2.89E-03	9.11E-07	3.87E-07	3.54E-03	1.12E-06	4.74E-07	3.11E-03	9.83E-07	4.17E-07
148	486683.18, 3856	2.78E-03	8.76E-07	3.72E-07	3.40E-03	1.07E-06	4.55E-07	2.99E-03	9.45E-07	4.01E-07
149	486733.18, 3856	2.65E-03	8.38E-07	3.55E-07	3.25E-03	1.03E-06	4.35E-07	2.86E-03	9.04E-07	3.83E-07
150	486783.18, 3856	2.56E-03	8.09E-07	3.43E-07	3.14E-03	9.91E-07	4.21E-07	2.77E-03	8.73E-07	3.70E-07
151	486533.18, 3856	3.54E-03	1.12E-06	4.74E-07	4.33E-03	1.37E-06	5.80E-07	3.82E-03	1.20E-06	5.11E-07
152	486583.18, 3856	3.33E-03	1.05E-06	4.45E-07	4.07E-03	1.29E-06	5.45E-07	3.59E-03	1.13E-06	4.80E-07
153	486633.18, 3856	3.14E-03	9.93E-07	4.21E-07	3.85E-03	1.22E-06	5.16E-07	3.39E-03	1.07E-06	4.54E-07
154	486683.18, 3856	2.99E-03	9.45E-07	4.01E-07	3.67E-03	1.16E-06	4.91E-07	3.23E-03	1.02E-06	4.32E-07
155	486733.18, 3856	2.87E-03	9.04E-07	3.84E-07	3.51E-03	1.11E-06	4.70E-07	3.09E-03	9.76E-07	4.14E-07
156	486783.18, 3856	2.74E-03	8.65E-07	3.67E-07	3.36E-03	1.06E-06	4.50E-07	2.96E-03	9.33E-07	3.96E-07
157	486533.18, 3856	3.95E-03	1.25E-06	5.29E-07	4.84E-03	1.53E-06	6.48E-07	4.27E-03	1.35E-06	5.71E-07
158	486583.18, 3856	3.67E-03	1.16E-06	4.92E-07	4.50E-03	1.42E-06	6.02E-07	3.96E-03	1.25E-06	5.31E-07
159	486633.18, 3856	3.44E-03	1.09E-06	4.61E-07	4.22E-03	1.33E-06	5.65E-07	3.72E-03	1.17E-06	4.98E-07
160	486683.18, 3856	3.25E-03	1.03E-06	4.36E-07	3.99E-03	1.26E-06	5.34E-07	3.51E-03	1.11E-06	4.70E-07
161	486733.18, 3856	3.10E-03	9.77E-07	4.15E-07	3.79E-03	1.20E-06	5.08E-07	3.34E-03	1.05E-06	4.47E-07
162	486783.18, 3856	2.95E-03	9.30E-07	3.94E-07	3.61E-03	1.14E-06	4.83E-07	3.18E-03	1.00E-06	4.26E-07
163	486783.18, 3856	3.19E-03	1.01E-06	4.27E-07	3.90E-03	1.23E-06	5.23E-07	3.44E-03	1.08E-06	4.60E-07
164	486833.18, 3856	3.03E-03	9.55E-07	4.05E-07	3.71E-03	1.17E-06	4.96E-07	3.26E-03	1.03E-06	4.37E-07
165	486883.18, 3856	2.88E-03	9.10E-07	3.86E-07	3.53E-03	1.12E-06	4.73E-07	3.11E-03	9.82E-07	4.17E-07
166	486783.18, 3856	3.44E-03	1.09E-06	4.61E-07	4.22E-03	1.33E-06	5.65E-07	3.72E-03	1.17E-06	4.98E-07
167	486833.18, 3856	3.25E-03	1.03E-06	4.36E-07	3.98E-03	1.26E-06	5.34E-07	3.51E-03	1.11E-06	4.70E-07
168	486883.18, 3856	3.08E-03	9.72E-07	4.12E-07	3.77E-03	1.19E-06	5.05E-07	3.32E-03	1.05E-06	4.45E-07
169	487208.74, 3856	4.15E-03	1.31E-06	5.55E-07	5.08E-03	1.60E-06	6.80E-07	4.47E-03	1.41E-06	5.98E-07
170	487258.74, 3856	3.79E-03	1.20E-06	5.08E-07	4.65E-03	1.47E-06	6.22E-07	4.09E-03	1.29E-06	5.47E-07

171	487308.74, 3856	3.49E-03	1.10E-06	4.68E-07	4.28E-03	1.35E-06	5.73E-07	3.77E-03	1.19E-06	5.04E-07
172	487358.74, 3856	3.25E-03	1.02E-06	4.35E-07	3.98E-03	1.25E-06	5.32E-07	3.50E-03	1.10E-06	4.68E-07
173	487208.74, 3856	4.42E-03	1.39E-06	5.91E-07	5.41E-03	1.71E-06	7.24E-07	4.76E-03	1.50E-06	6.37E-07
174	487258.74, 3856	3.97E-03	1.25E-06	5.31E-07	4.86E-03	1.53E-06	6.50E-07	4.27E-03	1.35E-06	5.72E-07
175	487308.74, 3856	3.61E-03	1.14E-06	4.83E-07	4.42E-03	1.40E-06	5.92E-07	3.89E-03	1.23E-06	5.20E-07
176	487358.74, 3856	3.33E-03	1.05E-06	4.46E-07	4.08E-03	1.29E-06	5.46E-07	3.58E-03	1.13E-06	4.80E-07
177	487208.74, 3856	4.44E-03	1.40E-06	5.94E-07	5.44E-03	1.72E-06	7.28E-07	4.78E-03	1.51E-06	6.40E-07
178	487258.74, 3856	3.97E-03	1.25E-06	5.32E-07	4.86E-03	1.54E-06	6.51E-07	4.27E-03	1.35E-06	5.72E-07
179	487308.74, 3856	3.63E-03	1.15E-06	4.86E-07	4.45E-03	1.40E-06	5.95E-07	3.90E-03	1.23E-06	5.22E-07
180	487358.74, 3856	3.35E-03	1.06E-06	4.49E-07	4.10E-03	1.29E-06	5.49E-07	3.60E-03	1.14E-06	4.82E-07
181	487208.74, 3857	4.25E-03	1.34E-06	5.69E-07	5.20E-03	1.64E-06	6.97E-07	4.56E-03	1.44E-06	6.10E-07
182	487258.74, 3857	3.89E-03	1.23E-06	5.22E-07	4.77E-03	1.51E-06	6.39E-07	4.17E-03	1.32E-06	5.59E-07
183	487308.74, 3857	3.60E-03	1.14E-06	4.82E-07	4.40E-03	1.39E-06	5.90E-07	3.85E-03	1.22E-06	5.16E-07
184	487358.74, 3857	3.35E-03	1.06E-06	4.49E-07	4.10E-03	1.30E-06	5.49E-07	3.59E-03	1.13E-06	4.80E-07
185	487427.14, 3856	2.94E-03	9.29E-07	3.94E-07	3.61E-03	1.14E-06	4.83E-07	3.17E-03	1.00E-06	4.24E-07
186	487477.14, 3856	2.77E-03	8.75E-07	3.71E-07	3.39E-03	1.07E-06	4.55E-07	2.98E-03	9.42E-07	3.99E-07
187	487527.14, 3856	2.62E-03	8.28E-07	3.51E-07	3.21E-03	1.01E-06	4.30E-07	2.82E-03	8.90E-07	3.78E-07
188	487427.14, 3856	3.01E-03	9.50E-07	4.03E-07	3.69E-03	1.16E-06	4.94E-07	3.24E-03	1.02E-06	4.34E-07
189	487477.14, 3856	2.83E-03	8.94E-07	3.79E-07	3.47E-03	1.09E-06	4.64E-07	3.04E-03	9.61E-07	4.08E-07
190	487527.14, 3856	2.67E-03	8.44E-07	3.58E-07	3.27E-03	1.03E-06	4.38E-07	2.87E-03	9.07E-07	3.85E-07
191	487577.14, 3856	2.53E-03	8.00E-07	3.39E-07	3.10E-03	9.80E-07	4.16E-07	2.72E-03	8.59E-07	3.65E-07
192	487627.14, 3856	2.42E-03	7.62E-07	3.23E-07	2.96E-03	9.34E-07	3.96E-07	2.59E-03	8.18E-07	3.47E-07
193	487677.14, 3856	2.31E-03	7.28E-07	3.09E-07	2.82E-03	8.91E-07	3.78E-07	2.47E-03	7.81E-07	3.31E-07
194	487727.14, 3856	2.21E-03	6.96E-07	2.95E-07	2.70E-03	8.52E-07	3.62E-07	2.37E-03	7.47E-07	3.17E-07
195	487777.14, 3856	2.12E-03	6.68E-07	2.83E-07	2.59E-03	8.18E-07	3.47E-07	2.27E-03	7.16E-07	3.04E-07
196	487427.14, 3856	3.05E-03	9.62E-07	4.08E-07	3.73E-03	1.18E-06	5.00E-07	3.27E-03	1.03E-06	4.38E-07
197	487477.14, 3856	2.87E-03	9.04E-07	3.84E-07	3.51E-03	1.11E-06	4.70E-07	3.07E-03	9.70E-07	4.12E-07
198	487527.14, 3856	2.71E-03	8.55E-07	3.63E-07	3.32E-03	1.05E-06	4.44E-07	2.90E-03	9.16E-07	3.89E-07
199	487577.14, 3856	2.57E-03	8.11E-07	3.44E-07	3.15E-03	9.94E-07	4.22E-07	2.76E-03	8.70E-07	3.69E-07
200	487627.14, 3856	2.45E-03	7.74E-07	3.28E-07	3.00E-03	9.47E-07	4.02E-07	2.63E-03	8.29E-07	3.52E-07
201	487677.14, 3856	2.34E-03	7.38E-07	3.13E-07	2.86E-03	9.04E-07	3.84E-07	2.51E-03	7.91E-07	3.36E-07
202	487727.14, 3856	2.25E-03	7.09E-07	3.01E-07	2.75E-03	8.68E-07	3.68E-07	2.40E-03	7.59E-07	3.22E-07
203	487777.14, 3856	2.15E-03	6.77E-07	2.87E-07	2.63E-03	8.30E-07	3.52E-07	2.30E-03	7.25E-07	3.08E-07
204	487427.14, 3857	3.07E-03	9.68E-07	4.11E-07	3.76E-03	1.19E-06	5.03E-07	3.28E-03	1.04E-06	4.40E-07
205	487477.14, 3857	2.89E-03	9.13E-07	3.88E-07	3.54E-03	1.12E-06	4.75E-07	3.10E-03	9.77E-07	4.15E-07
206	487527.14, 3857	2.74E-03	8.66E-07	3.67E-07	3.36E-03	1.06E-06	4.50E-07	2.93E-03	9.26E-07	3.93E-07
207	487577.14, 3857	2.61E-03	8.23E-07	3.49E-07	3.19E-03	1.01E-06	4.28E-07	2.79E-03	8.80E-07	3.73E-07
208	487627.14, 3857	2.49E-03	7.86E-07	3.33E-07	3.05E-03	9.62E-07	4.08E-07	2.66E-03	8.40E-07	3.56E-07
209	487677.14, 3857	2.38E-03	7.50E-07	3.18E-07	2.91E-03	9.19E-07	3.90E-07	2.54E-03	8.02E-07	3.40E-07
210	487727.14, 3857	2.27E-03	7.18E-07	3.05E-07	2.78E-03	8.79E-07	3.73E-07	2.43E-03	7.67E-07	3.25E-07
211	487777.14, 3857	2.18E-03	6.89E-07	2.92E-07	2.67E-03	8.43E-07	3.58E-07	2.33E-03	7.36E-07	3.12E-07
212	487427.14, 3857	3.12E-03	9.84E-07	4.18E-07	3.82E-03	1.21E-06	5.11E-07	3.32E-03	1.05E-06	4.45E-07
213	487477.14, 3857	2.95E-03	9.31E-07	3.95E-07	3.61E-03	1.14E-06	4.84E-07	3.14E-03	9.92E-07	4.21E-07
214	487527.14, 3857	2.80E-03	8.83E-07	3.74E-07	3.42E-03	1.08E-06	4.59E-07	2.98E-03	9.41E-07	3.99E-07
215	487577.14, 3857	2.66E-03	8.40E-07	3.56E-07	3.26E-03	1.03E-06	4.36E-07	2.83E-03	8.95E-07	3.80E-07
216	487627.14, 3857	2.54E-03	8.01E-07	3.40E-07	3.11E-03	9.81E-07	4.16E-07	2.71E-03	8.54E-07	3.62E-07
217	487677.14, 3857	2.43E-03	7.65E-07	3.25E-07	2.97E-03	9.37E-07	3.98E-07	2.58E-03	8.16E-07	3.46E-07
218	487727.14, 3857	2.32E-03	7.32E-07	3.11E-07	2.84E-03	8.97E-07	3.81E-07	2.47E-03	7.80E-07	3.31E-07
219	487777.14, 3857	2.23E-03	7.03E-07	2.98E-07	2.73E-03	8.61E-07	3.65E-07	2.37E-03	7.49E-07	3.18E-07
220	487427.14, 3857	3.23E-03	1.02E-06	4.33E-07	3.96E-03	1.25E-06	5.30E-07	3.43E-03	1.08E-06	4.59E-07
221	487477.14, 3857	3.05E-03	9.63E-07	4.09E-07	3.74E-03	1.18E-06	5.00E-07	3.24E-03	1.02E-06	4.34E-07
222	487527.14, 3857	2.89E-03	9.12E-07	3.87E-07	3.54E-03	1.12E-06	4.74E-07	3.07E-03	9.68E-07	4.11E-07
223	487577.14, 3857	2.74E-03	8.66E-07	3.67E-07	3.36E-03	1.06E-06	4.50E-07	2.91E-03	9.19E-07	3.90E-07
224	487627.14, 3857	2.61E-03	8.24E-07	3.49E-07	3.20E-03	1.01E-06	4.28E-07	2.77E-03	8.75E-07	3.71E-07
225	487677.14, 3857	2.49E-03	7.87E-07	3.34E-07	3.05E-03	9.63E-07	4.09E-07	2.65E-03	8.36E-07	3.55E-07
226	487727.14, 3857	2.38E-03	7.51E-07	3.19E-07	2.91E-03	9.19E-07	3.90E-07	2.53E-03	7.98E-07	3.39E-07
227	487777.14, 3857	2.28E-03	7.20E-07	3.05E-07	2.79E-03	8.81E-07	3.74E-07	2.42E-03	7.65E-07	3.25E-07
228	488049.44, 3856	1.51E-03	4.77E-07	2.02E-07	1.85E-03	5.84E-07	2.48E-07	1.63E-03	5.14E-07	2.18E-07

229	488099.44, 3856	1.47E-03	4.65E-07	1.97E-07	1.80E-03	5.69E-07	2.42E-07	1.59E-03	5.01E-07	2.12E-07
230	488149.44, 3856	1.44E-03	4.53E-07	1.92E-07	1.76E-03	5.55E-07	2.35E-07	1.55E-03	4.88E-07	2.07E-07
231	488049.44, 3856	1.55E-03	4.88E-07	2.07E-07	1.89E-03	5.97E-07	2.53E-07	1.66E-03	5.25E-07	2.23E-07
232	488099.44, 3856	1.50E-03	4.75E-07	2.01E-07	1.84E-03	5.82E-07	2.47E-07	1.62E-03	5.11E-07	2.17E-07
233	488149.44, 3856	1.47E-03	4.63E-07	1.96E-07	1.79E-03	5.66E-07	2.40E-07	1.58E-03	4.98E-07	2.11E-07
234	488199.44, 3856	1.43E-03	4.51E-07	1.91E-07	1.75E-03	5.52E-07	2.34E-07	1.54E-03	4.85E-07	2.06E-07
235	488249.44, 3856	1.39E-03	4.39E-07	1.86E-07	1.70E-03	5.38E-07	2.28E-07	1.50E-03	4.73E-07	2.01E-07
236	488049.44, 3856	1.58E-03	4.98E-07	2.11E-07	1.93E-03	6.10E-07	2.59E-07	1.70E-03	5.36E-07	2.27E-07
237	488099.44, 3856	1.54E-03	4.85E-07	2.06E-07	1.88E-03	5.93E-07	2.52E-07	1.65E-03	5.21E-07	2.21E-07
238	488149.44, 3856	1.49E-03	4.72E-07	2.00E-07	1.83E-03	5.78E-07	2.45E-07	1.61E-03	5.07E-07	2.15E-07
239	488199.44, 3856	1.45E-03	4.59E-07	1.95E-07	1.78E-03	5.62E-07	2.39E-07	1.56E-03	4.94E-07	2.10E-07
240	488249.44, 3856	1.42E-03	4.47E-07	1.90E-07	1.74E-03	5.48E-07	2.32E-07	1.52E-03	4.81E-07	2.04E-07
241	488299.44, 3856	1.38E-03	4.36E-07	1.85E-07	1.69E-03	5.34E-07	2.27E-07	1.49E-03	4.69E-07	1.99E-07
242	488349.44, 3856	1.35E-03	4.26E-07	1.81E-07	1.65E-03	5.21E-07	2.21E-07	1.45E-03	4.57E-07	1.94E-07
243	488399.44, 3856	1.32E-03	4.15E-07	1.76E-07	1.61E-03	5.08E-07	2.16E-07	1.41E-03	4.46E-07	1.89E-07
244	488099.44, 3856	1.56E-03	4.94E-07	2.09E-07	1.92E-03	6.05E-07	2.57E-07	1.68E-03	5.31E-07	2.25E-07
245	488149.44, 3856	1.52E-03	4.80E-07	2.04E-07	1.86E-03	5.88E-07	2.50E-07	1.64E-03	5.16E-07	2.19E-07
246	488199.44, 3856	1.48E-03	4.67E-07	1.98E-07	1.81E-03	5.72E-07	2.43E-07	1.59E-03	5.02E-07	2.13E-07
247	488249.44, 3856	1.44E-03	4.55E-07	1.93E-07	1.77E-03	5.57E-07	2.36E-07	1.55E-03	4.89E-07	2.08E-07
248	488299.44, 3856	1.40E-03	4.43E-07	1.88E-07	1.72E-03	5.43E-07	2.30E-07	1.51E-03	4.76E-07	2.02E-07
249	488349.44, 3856	1.37E-03	4.32E-07	1.83E-07	1.68E-03	5.29E-07	2.25E-07	1.47E-03	4.64E-07	1.97E-07
250	488399.44, 3856	1.34E-03	4.22E-07	1.79E-07	1.64E-03	5.17E-07	2.19E-07	1.44E-03	4.53E-07	1.92E-07
251	488099.44, 3856	1.59E-03	5.02E-07	2.13E-07	1.95E-03	6.15E-07	2.61E-07	1.71E-03	5.40E-07	2.29E-07
252	488149.44, 3856	1.55E-03	4.88E-07	2.07E-07	1.90E-03	5.98E-07	2.54E-07	1.66E-03	5.25E-07	2.23E-07
253	488199.44, 3856	1.50E-03	4.75E-07	2.01E-07	1.84E-03	5.81E-07	2.47E-07	1.62E-03	5.10E-07	2.16E-07
254	488249.44, 3856	1.46E-03	4.62E-07	1.96E-07	1.79E-03	5.66E-07	2.40E-07	1.57E-03	4.96E-07	2.11E-07
255	488299.44, 3856	1.43E-03	4.51E-07	1.91E-07	1.75E-03	5.52E-07	2.34E-07	1.53E-03	4.84E-07	2.05E-07
256	488349.44, 3856	1.39E-03	4.39E-07	1.86E-07	1.70E-03	5.37E-07	2.28E-07	1.49E-03	4.71E-07	2.00E-07
257	488399.44, 3856	1.35E-03	4.27E-07	1.81E-07	1.66E-03	5.23E-07	2.22E-07	1.45E-03	4.59E-07	1.95E-07
258	487999.44, 3856	1.72E-03	5.44E-07	2.31E-07	2.11E-03	6.66E-07	2.82E-07	1.85E-03	5.84E-07	2.48E-07
259	488049.44, 3856	1.67E-03	5.27E-07	2.24E-07	2.04E-03	6.45E-07	2.74E-07	1.79E-03	5.66E-07	2.40E-07
260	488099.44, 3856	1.62E-03	5.11E-07	2.17E-07	1.98E-03	6.25E-07	2.65E-07	1.74E-03	5.48E-07	2.33E-07
261	488149.44, 3856	1.57E-03	4.96E-07	2.11E-07	1.93E-03	6.08E-07	2.58E-07	1.69E-03	5.33E-07	2.26E-07
262	488199.44, 3856	1.53E-03	4.82E-07	2.05E-07	1.87E-03	5.90E-07	2.50E-07	1.64E-03	5.18E-07	2.20E-07
263	488249.44, 3856	1.49E-03	4.69E-07	1.99E-07	1.82E-03	5.74E-07	2.44E-07	1.60E-03	5.03E-07	2.14E-07
264	488299.44, 3856	1.45E-03	4.57E-07	1.94E-07	1.77E-03	5.60E-07	2.37E-07	1.55E-03	4.91E-07	2.08E-07
265	488349.44, 3856	1.41E-03	4.45E-07	1.89E-07	1.72E-03	5.44E-07	2.31E-07	1.51E-03	4.77E-07	2.02E-07
266	488399.44, 3856	1.37E-03	4.33E-07	1.84E-07	1.68E-03	5.30E-07	2.25E-07	1.47E-03	4.64E-07	1.97E-07
267	487949.44, 3856	1.81E-03	5.72E-07	2.43E-07	2.22E-03	7.00E-07	2.97E-07	1.94E-03	6.14E-07	2.60E-07
268	487999.44, 3856	1.75E-03	5.53E-07	2.35E-07	2.15E-03	6.77E-07	2.87E-07	1.88E-03	5.94E-07	2.52E-07
269	488049.44, 3856	1.70E-03	5.35E-07	2.27E-07	2.08E-03	6.56E-07	2.78E-07	1.82E-03	5.75E-07	2.44E-07
270	488099.44, 3856	1.64E-03	5.19E-07	2.20E-07	2.01E-03	6.35E-07	2.70E-07	1.76E-03	5.57E-07	2.36E-07
271	488149.44, 3856	1.59E-03	5.03E-07	2.14E-07	1.95E-03	6.16E-07	2.62E-07	1.71E-03	5.40E-07	2.29E-07
272	488199.44, 3856	1.55E-03	4.89E-07	2.07E-07	1.90E-03	5.99E-07	2.54E-07	1.66E-03	5.24E-07	2.22E-07
273	487949.44, 3856	1.84E-03	5.81E-07	2.47E-07	2.25E-03	7.12E-07	3.02E-07	1.97E-03	6.23E-07	2.64E-07
274	487999.44, 3856	1.78E-03	5.61E-07	2.38E-07	2.18E-03	6.87E-07	2.92E-07	1.91E-03	6.02E-07	2.55E-07
275	488049.44, 3856	1.72E-03	5.44E-07	2.31E-07	2.11E-03	6.66E-07	2.83E-07	1.85E-03	5.83E-07	2.47E-07
276	488099.44, 3856	1.67E-03	5.26E-07	2.23E-07	2.04E-03	6.45E-07	2.73E-07	1.79E-03	5.64E-07	2.39E-07
277	488635.86, 3857	1.15E-03	3.64E-07	1.54E-07	1.41E-03	4.45E-07	1.89E-07	1.24E-03	3.90E-07	1.66E-07
278	489137.64, 3857	9.17E-04	2.89E-07	1.23E-07	1.12E-03	3.54E-07	1.50E-07	9.83E-04	3.10E-07	1.32E-07
279	488617.32, 3857	1.19E-03	3.75E-07	1.59E-07	1.46E-03	4.59E-07	1.95E-07	1.27E-03	4.02E-07	1.71E-07
280	488667.32, 3857	1.15E-03	3.63E-07	1.54E-07	1.41E-03	4.45E-07	1.89E-07	1.23E-03	3.90E-07	1.65E-07
281	488717.32, 3857	1.12E-03	3.52E-07	1.50E-07	1.37E-03	4.32E-07	1.83E-07	1.20E-03	3.78E-07	1.60E-07
282	488767.32, 3857	1.08E-03	3.42E-07	1.45E-07	1.33E-03	4.18E-07	1.78E-07	1.16E-03	3.66E-07	1.55E-07
283	488617.32, 3857	1.16E-03	3.65E-07	1.55E-07	1.42E-03	4.47E-07	1.90E-07	1.24E-03	3.92E-07	1.66E-07
284	488667.32, 3857	1.12E-03	3.54E-07	1.50E-07	1.37E-03	4.33E-07	1.84E-07	1.20E-03	3.79E-07	1.61E-07
285	488717.32, 3857	1.09E-03	3.44E-07	1.46E-07	1.33E-03	4.21E-07	1.79E-07	1.17E-03	3.69E-07	1.56E-07
286	488767.32, 3857	1.06E-03	3.34E-07	1.42E-07	1.29E-03	4.09E-07	1.73E-07	1.13E-03	3.58E-07	1.52E-07

287	488417.32, 3857	1.30E-03	4.09E-07	1.74E-07	1.59E-03	5.01E-07	2.13E-07	1.39E-03	4.40E-07	1.87E-07
288	488467.32, 3857	1.25E-03	3.95E-07	1.67E-07	1.53E-03	4.83E-07	2.05E-07	1.34E-03	4.24E-07	1.80E-07
289	488517.32, 3857	1.21E-03	3.81E-07	1.62E-07	1.48E-03	4.66E-07	1.98E-07	1.30E-03	4.09E-07	1.73E-07
290	488567.32, 3857	1.17E-03	3.68E-07	1.56E-07	1.43E-03	4.51E-07	1.91E-07	1.25E-03	3.95E-07	1.68E-07
291	488617.32, 3857	1.13E-03	3.57E-07	1.51E-07	1.38E-03	4.37E-07	1.85E-07	1.21E-03	3.83E-07	1.62E-07
292	488667.32, 3857	1.10E-03	3.46E-07	1.47E-07	1.34E-03	4.24E-07	1.80E-07	1.18E-03	3.71E-07	1.58E-07
293	488717.32, 3857	1.06E-03	3.36E-07	1.43E-07	1.30E-03	4.11E-07	1.75E-07	1.14E-03	3.60E-07	1.53E-07
294	488767.32, 3857	1.03E-03	3.27E-07	1.39E-07	1.27E-03	4.00E-07	1.70E-07	1.11E-03	3.50E-07	1.49E-07
295	488417.32, 3858	1.27E-03	4.01E-07	1.70E-07	1.55E-03	4.91E-07	2.08E-07	1.36E-03	4.30E-07	1.83E-07
296	488467.32, 3858	1.22E-03	3.86E-07	1.64E-07	1.50E-03	4.73E-07	2.01E-07	1.31E-03	4.15E-07	1.76E-07
297	488517.32, 3858	1.18E-03	3.73E-07	1.58E-07	1.45E-03	4.57E-07	1.94E-07	1.27E-03	4.01E-07	1.70E-07
298	488567.32, 3858	1.15E-03	3.61E-07	1.53E-07	1.40E-03	4.42E-07	1.88E-07	1.23E-03	3.88E-07	1.65E-07
299	488617.32, 3858	1.11E-03	3.50E-07	1.49E-07	1.36E-03	4.29E-07	1.82E-07	1.19E-03	3.76E-07	1.60E-07
300	488667.32, 3858	1.08E-03	3.40E-07	1.44E-07	1.32E-03	4.16E-07	1.76E-07	1.16E-03	3.65E-07	1.55E-07
301	488717.32, 3858	1.05E-03	3.30E-07	1.40E-07	1.28E-03	4.04E-07	1.71E-07	1.12E-03	3.54E-07	1.50E-07
302	488767.32, 3858	1.02E-03	3.21E-07	1.36E-07	1.24E-03	3.93E-07	1.67E-07	1.09E-03	3.45E-07	1.46E-07
303	488417.32, 3858	1.26E-03	3.97E-07	1.68E-07	1.54E-03	4.85E-07	2.06E-07	1.35E-03	4.26E-07	1.81E-07
304	488467.32, 3858	1.21E-03	3.82E-07	1.62E-07	1.48E-03	4.68E-07	1.99E-07	1.30E-03	4.11E-07	1.74E-07
305	488517.32, 3858	1.17E-03	3.69E-07	1.57E-07	1.43E-03	4.52E-07	1.92E-07	1.26E-03	3.97E-07	1.68E-07
306	488567.32, 3858	1.13E-03	3.58E-07	1.52E-07	1.39E-03	4.38E-07	1.86E-07	1.22E-03	3.84E-07	1.63E-07
307	488617.32, 3858	1.10E-03	3.46E-07	1.47E-07	1.34E-03	4.24E-07	1.80E-07	1.18E-03	3.72E-07	1.58E-07
308	488667.32, 3858	1.06E-03	3.36E-07	1.42E-07	1.30E-03	4.11E-07	1.74E-07	1.14E-03	3.61E-07	1.53E-07
309	488417.32, 3858	1.26E-03	3.97E-07	1.68E-07	1.54E-03	4.86E-07	2.06E-07	1.35E-03	4.27E-07	1.81E-07
310	488467.32, 3858	1.21E-03	3.83E-07	1.62E-07	1.48E-03	4.69E-07	1.99E-07	1.30E-03	4.11E-07	1.75E-07
311	488517.32, 3858	1.17E-03	3.70E-07	1.57E-07	1.43E-03	4.53E-07	1.92E-07	1.26E-03	3.97E-07	1.69E-07
312	488567.32, 3858	1.13E-03	3.57E-07	1.51E-07	1.38E-03	4.37E-07	1.85E-07	1.22E-03	3.84E-07	1.63E-07
313	488617.32, 3858	1.09E-03	3.45E-07	1.46E-07	1.34E-03	4.23E-07	1.79E-07	1.18E-03	3.71E-07	1.57E-07
314	488667.32, 3858	1.06E-03	3.34E-07	1.42E-07	1.30E-03	4.09E-07	1.73E-07	1.14E-03	3.59E-07	1.52E-07
315	488769.93, 3858	1.18E-03	3.73E-07	1.58E-07	1.45E-03	4.56E-07	1.94E-07	1.27E-03	4.02E-07	1.70E-07
316	488819.93, 3858	1.11E-03	3.51E-07	1.49E-07	1.36E-03	4.30E-07	1.83E-07	1.20E-03	3.79E-07	1.61E-07
317	488819.93, 3858	1.18E-03	3.74E-07	1.59E-07	1.45E-03	4.58E-07	1.94E-07	1.28E-03	4.03E-07	1.71E-07
318	488869.93, 3858	1.11E-03	3.51E-07	1.49E-07	1.36E-03	4.30E-07	1.83E-07	1.20E-03	3.79E-07	1.61E-07
319	488869.93, 3858	1.19E-03	3.75E-07	1.59E-07	1.46E-03	4.60E-07	1.95E-07	1.28E-03	4.05E-07	1.72E-07
320	489438.17, 3859	2.02E-04	6.36E-08	2.70E-08	2.47E-04	7.79E-08	3.31E-08	2.17E-04	6.84E-08	2.90E-08
321	489488.17, 3859	2.01E-04	6.35E-08	2.69E-08	2.46E-04	7.77E-08	3.30E-08	2.16E-04	6.82E-08	2.89E-08
322	489538.17, 3859	2.00E-04	6.32E-08	2.68E-08	2.45E-04	7.74E-08	3.29E-08	2.15E-04	6.79E-08	2.88E-08
323	489588.17, 3859	1.99E-04	6.28E-08	2.67E-08	2.44E-04	7.69E-08	3.26E-08	2.14E-04	6.75E-08	2.86E-08
324	489438.17, 3859	1.93E-04	6.08E-08	2.58E-08	2.36E-04	7.45E-08	3.16E-08	2.07E-04	6.54E-08	2.77E-08
325	489488.17, 3859	1.93E-04	6.08E-08	2.58E-08	2.36E-04	7.44E-08	3.16E-08	2.07E-04	6.53E-08	2.77E-08
326	489538.17, 3859	1.92E-04	6.06E-08	2.57E-08	2.35E-04	7.43E-08	3.15E-08	2.06E-04	6.52E-08	2.76E-08
327	489588.17, 3859	1.92E-04	6.05E-08	2.57E-08	2.35E-04	7.41E-08	3.14E-08	2.06E-04	6.50E-08	2.76E-08
328	489238.17, 3859	1.83E-04	5.77E-08	2.45E-08	2.24E-04	7.06E-08	3.00E-08	1.96E-04	6.20E-08	2.63E-08
329	489288.17, 3859	1.83E-04	5.78E-08	2.45E-08	2.24E-04	7.08E-08	3.01E-08	1.97E-04	6.21E-08	2.64E-08
330	489338.17, 3859	1.84E-04	5.80E-08	2.46E-08	2.25E-04	7.11E-08	3.02E-08	1.98E-04	6.24E-08	2.65E-08
331	489388.17, 3859	1.85E-04	5.83E-08	2.47E-08	2.26E-04	7.14E-08	3.03E-08	1.98E-04	6.26E-08	2.66E-08
332	489438.17, 3859	1.85E-04	5.83E-08	2.47E-08	2.26E-04	7.14E-08	3.03E-08	1.98E-04	6.26E-08	2.66E-08
333	489488.17, 3859	1.85E-04	5.84E-08	2.48E-08	2.27E-04	7.15E-08	3.03E-08	1.99E-04	6.27E-08	2.66E-08
334	489538.17, 3859	1.85E-04	5.84E-08	2.48E-08	2.26E-04	7.15E-08	3.03E-08	1.99E-04	6.27E-08	2.66E-08
335	489588.17, 3859	1.85E-04	5.83E-08	2.47E-08	2.26E-04	7.14E-08	3.03E-08	1.98E-04	6.26E-08	2.66E-08
336	489238.17, 3859	1.75E-04	5.52E-08	2.34E-08	2.14E-04	6.76E-08	2.87E-08	1.88E-04	5.93E-08	2.52E-08
337	489288.17, 3859	1.76E-04	5.55E-08	2.36E-08	2.15E-04	6.80E-08	2.89E-08	1.89E-04	5.97E-08	2.53E-08
338	489338.17, 3859	1.77E-04	5.57E-08	2.36E-08	2.16E-04	6.82E-08	2.90E-08	1.90E-04	5.99E-08	2.54E-08
339	489388.17, 3859	1.77E-04	5.59E-08	2.37E-08	2.17E-04	6.84E-08	2.90E-08	1.90E-04	6.00E-08	2.55E-08
340	489438.17, 3859	1.77E-04	5.59E-08	2.37E-08	2.17E-04	6.85E-08	2.91E-08	1.90E-04	6.01E-08	2.55E-08
341	489488.17, 3859	1.78E-04	5.61E-08	2.38E-08	2.18E-04	6.87E-08	2.92E-08	1.91E-04	6.03E-08	2.56E-08
342	489538.17, 3859	1.78E-04	5.62E-08	2.38E-08	2.18E-04	6.88E-08	2.92E-08	1.91E-04	6.03E-08	2.56E-08
343	489588.17, 3859	1.78E-04	5.62E-08	2.38E-08	2.18E-04	6.88E-08	2.92E-08	1.91E-04	6.03E-08	2.56E-08
344	489238.17, 3859	1.68E-04	5.30E-08	2.25E-08	2.06E-04	6.50E-08	2.76E-08	1.81E-04	5.70E-08	2.42E-08

345	489288.17, 3859	1.69E-04	5.33E-08	2.26E-08	2.07E-04	6.53E-08	2.77E-08	1.81E-04	5.73E-08	2.43E-08
346	489338.17, 3859	1.69E-04	5.35E-08	2.27E-08	2.07E-04	6.55E-08	2.78E-08	1.82E-04	5.74E-08	2.44E-08
347	489388.17, 3859	1.70E-04	5.36E-08	2.28E-08	2.08E-04	6.57E-08	2.79E-08	1.83E-04	5.76E-08	2.45E-08
348	489438.17, 3859	1.70E-04	5.37E-08	2.28E-08	2.09E-04	6.58E-08	2.79E-08	1.83E-04	5.77E-08	2.45E-08
349	489488.17, 3859	1.71E-04	5.40E-08	2.29E-08	2.10E-04	6.61E-08	2.81E-08	1.84E-04	5.80E-08	2.46E-08
350	489538.17, 3859	1.71E-04	5.41E-08	2.30E-08	2.10E-04	6.63E-08	2.81E-08	1.84E-04	5.82E-08	2.47E-08
351	489588.17, 3859	1.72E-04	5.41E-08	2.30E-08	2.10E-04	6.63E-08	2.81E-08	1.84E-04	5.82E-08	2.47E-08
352	489238.17, 3859	1.62E-04	5.10E-08	2.16E-08	1.98E-04	6.24E-08	2.65E-08	1.74E-04	5.48E-08	2.32E-08
353	489288.17, 3859	1.62E-04	5.13E-08	2.17E-08	1.99E-04	6.28E-08	2.66E-08	1.74E-04	5.51E-08	2.34E-08
354	489338.17, 3859	1.63E-04	5.14E-08	2.18E-08	2.00E-04	6.30E-08	2.67E-08	1.75E-04	5.52E-08	2.34E-08
355	489388.17, 3859	1.63E-04	5.16E-08	2.19E-08	2.00E-04	6.32E-08	2.68E-08	1.76E-04	5.54E-08	2.35E-08
356	489438.17, 3859	1.64E-04	5.18E-08	2.20E-08	2.01E-04	6.35E-08	2.69E-08	1.76E-04	5.57E-08	2.36E-08
357	489488.17, 3859	1.65E-04	5.20E-08	2.21E-08	2.02E-04	6.37E-08	2.70E-08	1.77E-04	5.59E-08	2.37E-08
358	489538.17, 3859	1.65E-04	5.22E-08	2.21E-08	2.03E-04	6.39E-08	2.71E-08	1.78E-04	5.61E-08	2.38E-08
359	489588.17, 3859	1.66E-04	5.22E-08	2.22E-08	2.03E-04	6.40E-08	2.72E-08	1.78E-04	5.61E-08	2.38E-08
360	489238.17, 3859	1.56E-04	4.91E-08	2.08E-08	1.91E-04	6.02E-08	2.55E-08	1.67E-04	5.28E-08	2.24E-08
361	489288.17, 3859	1.56E-04	4.93E-08	2.09E-08	1.91E-04	6.04E-08	2.56E-08	1.68E-04	5.30E-08	2.25E-08
362	489338.17, 3859	1.57E-04	4.95E-08	2.10E-08	1.92E-04	6.06E-08	2.57E-08	1.69E-04	5.32E-08	2.26E-08
363	489388.17, 3859	1.58E-04	4.98E-08	2.11E-08	1.93E-04	6.10E-08	2.59E-08	1.69E-04	5.35E-08	2.27E-08
364	489438.17, 3859	1.59E-04	5.01E-08	2.12E-08	1.94E-04	6.13E-08	2.60E-08	1.70E-04	5.38E-08	2.28E-08
365	489488.17, 3859	1.60E-04	5.04E-08	2.14E-08	1.95E-04	6.17E-08	2.62E-08	1.71E-04	5.41E-08	2.30E-08
366	489538.17, 3859	1.60E-04	5.04E-08	2.14E-08	1.96E-04	6.18E-08	2.62E-08	1.72E-04	5.42E-08	2.30E-08
367	489588.17, 3859	1.60E-04	5.05E-08	2.14E-08	1.96E-04	6.19E-08	2.63E-08	1.72E-04	5.43E-08	2.30E-08
368	489238.17, 3859	1.50E-04	4.75E-08	2.01E-08	1.84E-04	5.81E-08	2.47E-08	1.62E-04	5.10E-08	2.16E-08
369	489288.17, 3859	1.51E-04	4.77E-08	2.02E-08	1.85E-04	5.84E-08	2.48E-08	1.62E-04	5.12E-08	2.17E-08
370	489338.17, 3859	1.52E-04	4.79E-08	2.03E-08	1.86E-04	5.87E-08	2.49E-08	1.63E-04	5.14E-08	2.18E-08
371	489388.17, 3859	1.53E-04	4.82E-08	2.04E-08	1.87E-04	5.90E-08	2.50E-08	1.64E-04	5.17E-08	2.20E-08
372	489438.17, 3859	1.54E-04	4.85E-08	2.06E-08	1.88E-04	5.94E-08	2.52E-08	1.65E-04	5.21E-08	2.21E-08
373	489488.17, 3859	1.54E-04	4.87E-08	2.07E-08	1.89E-04	5.96E-08	2.53E-08	1.66E-04	5.23E-08	2.22E-08
374	489538.17, 3859	1.55E-04	4.88E-08	2.07E-08	1.89E-04	5.98E-08	2.54E-08	1.66E-04	5.24E-08	2.22E-08
375	489588.17, 3859	1.55E-04	4.89E-08	2.08E-08	1.90E-04	5.99E-08	2.54E-08	1.67E-04	5.26E-08	2.23E-08
376	489238.17, 3859	1.46E-04	4.60E-08	1.95E-08	1.78E-04	5.63E-08	2.39E-08	1.56E-04	4.94E-08	2.09E-08
377	489288.17, 3859	1.46E-04	4.61E-08	1.96E-08	1.79E-04	5.65E-08	2.40E-08	1.57E-04	4.95E-08	2.10E-08
378	489338.17, 3859	1.47E-04	4.63E-08	1.97E-08	1.80E-04	5.68E-08	2.41E-08	1.58E-04	4.98E-08	2.11E-08
379	489388.17, 3859	1.48E-04	4.67E-08	1.98E-08	1.81E-04	5.71E-08	2.42E-08	1.59E-04	5.01E-08	2.13E-08
380	489438.17, 3859	1.49E-04	4.70E-08	1.99E-08	1.82E-04	5.76E-08	2.44E-08	1.60E-04	5.05E-08	2.14E-08
381	489488.17, 3859	1.50E-04	4.72E-08	2.00E-08	1.83E-04	5.78E-08	2.45E-08	1.61E-04	5.07E-08	2.15E-08
382	489538.17, 3859	1.50E-04	4.74E-08	2.01E-08	1.84E-04	5.80E-08	2.46E-08	1.61E-04	5.09E-08	2.16E-08
383	489588.17, 3859	1.50E-04	4.75E-08	2.01E-08	1.84E-04	5.81E-08	2.47E-08	1.62E-04	5.10E-08	2.16E-08
384	483577.7, 3854(	7.35E-04	2.32E-07	9.84E-08	9.01E-04	2.84E-07	1.21E-07	7.92E-04	2.50E-07	1.06E-07
385	483627.7, 3854(	7.06E-04	2.23E-07	9.45E-08	8.64E-04	2.73E-07	1.16E-07	7.60E-04	2.40E-07	1.02E-07
386	483677.7, 3854(	6.78E-04	2.14E-07	9.08E-08	8.31E-04	2.62E-07	1.11E-07	7.30E-04	2.30E-07	9.78E-08
387	483727.7, 3854(	6.53E-04	2.06E-07	8.74E-08	8.00E-04	2.52E-07	1.07E-07	7.03E-04	2.22E-07	9.42E-08
388	483777.7, 3854(	6.25E-04	1.97E-07	8.37E-08	7.66E-04	2.42E-07	1.03E-07	6.73E-04	2.12E-07	9.01E-08
389	483577.7, 38541	7.77E-04	2.45E-07	1.04E-07	9.52E-04	3.00E-07	1.27E-07	8.37E-04	2.64E-07	1.12E-07
390	483627.7, 38541	7.43E-04	2.34E-07	9.95E-08	9.10E-04	2.87E-07	1.22E-07	8.00E-04	2.53E-07	1.07E-07
391	483677.7, 38541	7.10E-04	2.24E-07	9.50E-08	8.70E-04	2.74E-07	1.16E-07	7.64E-04	2.41E-07	1.02E-07
392	483727.7, 38541	6.77E-04	2.14E-07	9.07E-08	8.30E-04	2.62E-07	1.11E-07	7.29E-04	2.30E-07	9.77E-08
393	483777.7, 38541	6.52E-04	2.06E-07	8.73E-08	7.99E-04	2.52E-07	1.07E-07	7.02E-04	2.22E-07	9.40E-08
394	483577.7, 38541	8.16E-04	2.58E-07	1.09E-07	1.00E-03	3.16E-07	1.34E-07	8.79E-04	2.77E-07	1.18E-07
395	483627.7, 38541	7.74E-04	2.44E-07	1.04E-07	9.49E-04	2.99E-07	1.27E-07	8.34E-04	2.63E-07	1.12E-07
396	483677.7, 38541	7.40E-04	2.33E-07	9.91E-08	9.06E-04	2.86E-07	1.21E-07	7.97E-04	2.51E-07	1.07E-07
397	483727.7, 38541	7.11E-04	2.24E-07	9.52E-08	8.71E-04	2.75E-07	1.17E-07	7.65E-04	2.41E-07	1.02E-07
398	483777.7, 38541	6.83E-04	2.16E-07	9.15E-08	8.37E-04	2.64E-07	1.12E-07	7.35E-04	2.32E-07	9.85E-08
399	483827.7, 38541	6.49E-04	2.05E-07	8.69E-08	7.95E-04	2.51E-07	1.06E-07	6.99E-04	2.21E-07	9.36E-08
400	483877.7, 38541	6.25E-04	1.97E-07	8.37E-08	7.65E-04	2.42E-07	1.03E-07	6.73E-04	2.12E-07	9.01E-08
401	483727.7, 38542	7.52E-04	2.37E-07	1.01E-07	9.21E-04	2.91E-07	1.23E-07	8.09E-04	2.55E-07	1.08E-07
402	483777.7, 38542	7.21E-04	2.27E-07	9.65E-08	8.83E-04	2.79E-07	1.18E-07	7.76E-04	2.45E-07	1.04E-07

403	483827.7, 38542	7.04E-04	2.22E-07	9.43E-08	8.63E-04	2.72E-07	1.16E-07	7.58E-04	2.39E-07	1.01E-07
404	483877.7, 38542	6.72E-04	2.12E-07	9.00E-08	8.23E-04	2.60E-07	1.10E-07	7.23E-04	2.28E-07	9.68E-08
405	489150.19, 3858	9.97E-04	3.15E-07	1.33E-07	1.22E-03	3.85E-07	1.64E-07	1.07E-03	3.39E-07	1.44E-07
406	489200.19, 3858	9.25E-04	2.92E-07	1.24E-07	1.13E-03	3.58E-07	1.52E-07	9.97E-04	3.15E-07	1.33E-07
407	489150.19, 3858	1.01E-03	3.20E-07	1.36E-07	1.24E-03	3.92E-07	1.66E-07	1.09E-03	3.45E-07	1.46E-07
408	489200.19, 3858	9.25E-04	2.92E-07	1.24E-07	1.13E-03	3.58E-07	1.52E-07	9.97E-04	3.15E-07	1.33E-07
409	488919.6, 38564	9.86E-04	3.11E-07	1.32E-07	1.21E-03	3.81E-07	1.62E-07	1.06E-03	3.35E-07	1.42E-07
410	488919.6, 38564	1.00E-03	3.16E-07	1.34E-07	1.23E-03	3.87E-07	1.64E-07	1.08E-03	3.40E-07	1.44E-07
411	488969.6, 38564	9.83E-04	3.10E-07	1.32E-07	1.20E-03	3.80E-07	1.61E-07	1.06E-03	3.33E-07	1.41E-07
412	488919.6, 38565	1.01E-03	3.20E-07	1.36E-07	1.24E-03	3.92E-07	1.66E-07	1.09E-03	3.44E-07	1.46E-07
413	488969.6, 38565	9.96E-04	3.14E-07	1.33E-07	1.22E-03	3.85E-07	1.63E-07	1.07E-03	3.38E-07	1.43E-07
414	488919.6, 38565	1.03E-03	3.24E-07	1.38E-07	1.26E-03	3.97E-07	1.69E-07	1.10E-03	3.49E-07	1.48E-07
415	488969.6, 38565	1.01E-03	3.18E-07	1.35E-07	1.24E-03	3.90E-07	1.65E-07	1.08E-03	3.42E-07	1.45E-07
416	488819.6, 38566	1.08E-03	3.42E-07	1.45E-07	1.33E-03	4.19E-07	1.78E-07	1.16E-03	3.67E-07	1.56E-07
417	488869.6, 38566	1.06E-03	3.35E-07	1.42E-07	1.30E-03	4.10E-07	1.74E-07	1.14E-03	3.60E-07	1.53E-07
418	488919.6, 38566	1.04E-03	3.28E-07	1.39E-07	1.27E-03	4.02E-07	1.71E-07	1.12E-03	3.53E-07	1.50E-07
419	488819.6, 38566	1.10E-03	3.46E-07	1.47E-07	1.34E-03	4.24E-07	1.80E-07	1.18E-03	3.71E-07	1.58E-07
420	488869.6, 38566	1.07E-03	3.39E-07	1.44E-07	1.32E-03	4.15E-07	1.76E-07	1.15E-03	3.64E-07	1.54E-07
421	488819.6, 38567	1.11E-03	3.50E-07	1.48E-07	1.36E-03	4.28E-07	1.82E-07	1.19E-03	3.75E-07	1.59E-07
422	488869.6, 38567	1.09E-03	3.43E-07	1.45E-07	1.33E-03	4.20E-07	1.78E-07	1.17E-03	3.68E-07	1.56E-07
423	488819.6, 38567	1.12E-03	3.54E-07	1.50E-07	1.37E-03	4.33E-07	1.84E-07	1.20E-03	3.79E-07	1.61E-07
424	488869.6, 38567	1.10E-03	3.46E-07	1.47E-07	1.34E-03	4.24E-07	1.80E-07	1.18E-03	3.71E-07	1.58E-07
425	488819.6, 38570	1.18E-03	3.72E-07	1.58E-07	1.44E-03	4.55E-07	1.93E-07	1.26E-03	3.97E-07	1.68E-07
426	488869.6, 38570	1.15E-03	3.63E-07	1.54E-07	1.41E-03	4.44E-07	1.89E-07	1.23E-03	3.88E-07	1.65E-07
427	488919.6, 38570	1.12E-03	3.55E-07	1.51E-07	1.38E-03	4.34E-07	1.84E-07	1.20E-03	3.79E-07	1.61E-07
428	488819.6, 38571	1.18E-03	3.74E-07	1.59E-07	1.45E-03	4.58E-07	1.94E-07	1.27E-03	3.99E-07	1.69E-07
429	488869.6, 38571	1.16E-03	3.65E-07	1.55E-07	1.42E-03	4.47E-07	1.90E-07	1.24E-03	3.90E-07	1.65E-07
430	488919.6, 38571	1.13E-03	3.56E-07	1.51E-07	1.38E-03	4.37E-07	1.85E-07	1.21E-03	3.81E-07	1.62E-07
431	488819.6, 38571	1.19E-03	3.76E-07	1.59E-07	1.46E-03	4.60E-07	1.95E-07	1.27E-03	4.01E-07	1.70E-07
432	488869.6, 38571	1.16E-03	3.67E-07	1.56E-07	1.42E-03	4.49E-07	1.90E-07	1.24E-03	3.91E-07	1.66E-07
433	488919.6, 38571	1.13E-03	3.58E-07	1.52E-07	1.39E-03	4.38E-07	1.86E-07	1.21E-03	3.82E-07	1.62E-07
434	488969.6, 38571	1.11E-03	3.50E-07	1.48E-07	1.36E-03	4.28E-07	1.82E-07	1.18E-03	3.74E-07	1.58E-07
435	488819.6, 38572	1.19E-03	3.77E-07	1.60E-07	1.46E-03	4.62E-07	1.96E-07	1.28E-03	4.03E-07	1.71E-07
436	488869.6, 38572	1.16E-03	3.68E-07	1.56E-07	1.43E-03	4.50E-07	1.91E-07	1.24E-03	3.93E-07	1.67E-07
437	488919.6, 38572	1.14E-03	3.59E-07	1.52E-07	1.39E-03	4.39E-07	1.86E-07	1.21E-03	3.83E-07	1.63E-07
438	488969.6, 38572	1.11E-03	3.50E-07	1.49E-07	1.36E-03	4.29E-07	1.82E-07	1.19E-03	3.74E-07	1.59E-07
439	488819.6, 38572	1.20E-03	3.78E-07	1.60E-07	1.47E-03	4.63E-07	1.96E-07	1.28E-03	4.04E-07	1.71E-07
440	488869.6, 38572	1.17E-03	3.69E-07	1.56E-07	1.43E-03	4.51E-07	1.91E-07	1.25E-03	3.93E-07	1.67E-07
441	488919.6, 38572	1.14E-03	3.59E-07	1.52E-07	1.39E-03	4.40E-07	1.87E-07	1.22E-03	3.84E-07	1.63E-07
442	488969.6, 38572	1.11E-03	3.51E-07	1.49E-07	1.36E-03	4.30E-07	1.82E-07	1.19E-03	3.75E-07	1.59E-07
443	488819.6, 38573	1.20E-03	3.78E-07	1.61E-07	1.47E-03	4.63E-07	1.97E-07	1.28E-03	4.04E-07	1.71E-07
444	488869.6, 38573	1.17E-03	3.69E-07	1.56E-07	1.43E-03	4.51E-07	1.92E-07	1.25E-03	3.94E-07	1.67E-07
445	488919.6, 38573	1.14E-03	3.59E-07	1.52E-07	1.39E-03	4.40E-07	1.87E-07	1.22E-03	3.84E-07	1.63E-07
446	488819.6, 38574	1.19E-03	3.76E-07	1.60E-07	1.46E-03	4.61E-07	1.95E-07	1.27E-03	4.02E-07	1.70E-07
447	488869.6, 38574	1.16E-03	3.66E-07	1.55E-07	1.42E-03	4.48E-07	1.90E-07	1.24E-03	3.91E-07	1.66E-07
448	488919.6, 38574	1.13E-03	3.56E-07	1.51E-07	1.38E-03	4.36E-07	1.85E-07	1.20E-03	3.80E-07	1.61E-07
449	488819.6, 38575	1.19E-03	3.74E-07	1.59E-07	1.45E-03	4.58E-07	1.94E-07	1.27E-03	4.00E-07	1.70E-07
450	488869.6, 38575	1.15E-03	3.63E-07	1.54E-07	1.41E-03	4.45E-07	1.89E-07	1.23E-03	3.88E-07	1.65E-07
451	488919.6, 38575	1.12E-03	3.53E-07	1.50E-07	1.37E-03	4.33E-07	1.84E-07	1.20E-03	3.78E-07	1.60E-07
452	488819.6, 38575	1.18E-03	3.71E-07	1.58E-07	1.44E-03	4.55E-07	1.93E-07	1.26E-03	3.97E-07	1.68E-07
453	488869.6, 38575	1.14E-03	3.60E-07	1.53E-07	1.40E-03	4.41E-07	1.87E-07	1.22E-03	3.85E-07	1.63E-07
454	488919.6, 38575	1.11E-03	3.50E-07	1.48E-07	1.36E-03	4.29E-07	1.82E-07	1.19E-03	3.74E-07	1.59E-07
455	489663.71, 3860	8.61E-05	2.72E-08	1.15E-08	1.05E-04	3.33E-08	1.41E-08	9.25E-05	2.92E-08	1.24E-08
456	489813.71, 3860	8.66E-05	2.73E-08	1.16E-08	1.06E-04	3.35E-08	1.42E-08	9.30E-05	2.94E-08	1.25E-08
457	489863.71, 3860	8.67E-05	2.74E-08	1.16E-08	1.06E-04	3.35E-08	1.42E-08	9.31E-05	2.94E-08	1.25E-08
458	489913.71, 3860	8.70E-05	2.75E-08	1.16E-08	1.07E-04	3.36E-08	1.43E-08	9.34E-05	2.95E-08	1.25E-08
459	489963.71, 3860	8.71E-05	2.75E-08	1.17E-08	1.07E-04	3.37E-08	1.43E-08	9.35E-05	2.95E-08	1.25E-08
460	490013.71, 3860	8.74E-05	2.76E-08	1.17E-08	1.07E-04	3.38E-08	1.43E-08	9.39E-05	2.96E-08	1.26E-08

461	490063.71, 3860	8.76E-05	2.76E-08	1.17E-08	1.07E-04	3.39E-08	1.44E-08	9.41E-05	2.97E-08	1.26E-08
462	489663.71, 3860	8.42E-05	2.66E-08	1.13E-08	1.03E-04	3.26E-08	1.38E-08	9.05E-05	2.86E-08	1.21E-08
463	489813.71, 3860	8.47E-05	2.67E-08	1.13E-08	1.04E-04	3.27E-08	1.39E-08	9.10E-05	2.87E-08	1.22E-08
464	489863.71, 3860	8.47E-05	2.67E-08	1.13E-08	1.04E-04	3.27E-08	1.39E-08	9.10E-05	2.87E-08	1.22E-08
465	489913.71, 3860	8.49E-05	2.68E-08	1.14E-08	1.04E-04	3.28E-08	1.39E-08	9.12E-05	2.88E-08	1.22E-08
466	489963.71, 3860	8.50E-05	2.68E-08	1.14E-08	1.04E-04	3.29E-08	1.39E-08	9.13E-05	2.88E-08	1.22E-08
467	490013.71, 3860	8.53E-05	2.69E-08	1.14E-08	1.04E-04	3.30E-08	1.40E-08	9.16E-05	2.89E-08	1.23E-08
468	490063.71, 3860	8.55E-05	2.70E-08	1.14E-08	1.05E-04	3.30E-08	1.40E-08	9.18E-05	2.90E-08	1.23E-08
469	489513.71, 3861	8.23E-05	2.60E-08	1.10E-08	1.01E-04	3.18E-08	1.35E-08	8.84E-05	2.79E-08	1.18E-08
470	489563.71, 3861	8.23E-05	2.60E-08	1.10E-08	1.01E-04	3.18E-08	1.35E-08	8.84E-05	2.79E-08	1.18E-08
471	489613.71, 3861	8.24E-05	2.60E-08	1.10E-08	1.01E-04	3.19E-08	1.35E-08	8.85E-05	2.79E-08	1.19E-08
472	489663.71, 3861	8.25E-05	2.60E-08	1.10E-08	1.01E-04	3.19E-08	1.35E-08	8.86E-05	2.80E-08	1.19E-08
473	489713.71, 3861	8.25E-05	2.60E-08	1.11E-08	1.01E-04	3.19E-08	1.35E-08	8.86E-05	2.80E-08	1.19E-08
474	489763.71, 3861	8.26E-05	2.61E-08	1.11E-08	1.01E-04	3.19E-08	1.36E-08	8.87E-05	2.80E-08	1.19E-08
475	489813.71, 3861	8.29E-05	2.62E-08	1.11E-08	1.02E-04	3.20E-08	1.36E-08	8.90E-05	2.81E-08	1.19E-08
476	489863.71, 3861	8.29E-05	2.62E-08	1.11E-08	1.02E-04	3.20E-08	1.36E-08	8.90E-05	2.81E-08	1.19E-08
477	489913.71, 3861	8.31E-05	2.62E-08	1.11E-08	1.02E-04	3.21E-08	1.36E-08	8.92E-05	2.82E-08	1.20E-08
478	489963.71, 3861	8.31E-05	2.62E-08	1.11E-08	1.02E-04	3.21E-08	1.36E-08	8.93E-05	2.82E-08	1.20E-08
479	490013.71, 3861	8.33E-05	2.63E-08	1.12E-08	1.02E-04	3.22E-08	1.37E-08	8.95E-05	2.82E-08	1.20E-08
480	490063.71, 3861	8.35E-05	2.64E-08	1.12E-08	1.02E-04	3.23E-08	1.37E-08	8.97E-05	2.83E-08	1.20E-08
481	489513.71, 3861	8.07E-05	2.55E-08	1.08E-08	9.88E-05	3.12E-08	1.32E-08	8.67E-05	2.74E-08	1.16E-08
482	489563.71, 3861	8.07E-05	2.55E-08	1.08E-08	9.88E-05	3.12E-08	1.32E-08	8.67E-05	2.74E-08	1.16E-08
483	489613.71, 3861	8.09E-05	2.55E-08	1.08E-08	9.91E-05	3.13E-08	1.33E-08	8.69E-05	2.74E-08	1.16E-08
484	489663.71, 3861	8.08E-05	2.55E-08	1.08E-08	9.90E-05	3.12E-08	1.33E-08	8.68E-05	2.74E-08	1.16E-08
485	489713.71, 3861	8.08E-05	2.55E-08	1.08E-08	9.89E-05	3.12E-08	1.33E-08	8.68E-05	2.74E-08	1.16E-08
486	489763.71, 3861	8.09E-05	2.55E-08	1.08E-08	9.91E-05	3.13E-08	1.33E-08	8.69E-05	2.74E-08	1.16E-08
487	489813.71, 3861	8.10E-05	2.56E-08	1.09E-08	9.93E-05	3.13E-08	1.33E-08	8.70E-05	2.75E-08	1.17E-08
488	489863.71, 3861	8.11E-05	2.56E-08	1.09E-08	9.93E-05	3.14E-08	1.33E-08	8.71E-05	2.75E-08	1.17E-08
489	489913.71, 3861	8.12E-05	2.56E-08	1.09E-08	9.95E-05	3.14E-08	1.33E-08	8.72E-05	2.75E-08	1.17E-08
490	489963.71, 3861	8.13E-05	2.57E-08	1.09E-08	9.96E-05	3.14E-08	1.33E-08	8.73E-05	2.76E-08	1.17E-08
491	490013.71, 3861	8.16E-05	2.57E-08	1.09E-08	9.99E-05	3.15E-08	1.34E-08	8.76E-05	2.76E-08	1.17E-08
492	490063.71, 3861	8.17E-05	2.58E-08	1.09E-08	1.00E-04	3.16E-08	1.34E-08	8.77E-05	2.77E-08	1.17E-08
493	489513.71, 3861	7.93E-05	2.50E-08	1.06E-08	9.71E-05	3.07E-08	1.30E-08	8.52E-05	2.69E-08	1.14E-08
494	489563.71, 3861	7.91E-05	2.50E-08	1.06E-08	9.69E-05	3.06E-08	1.30E-08	8.49E-05	2.68E-08	1.14E-08
495	489613.71, 3861	7.89E-05	2.49E-08	1.06E-08	9.66E-05	3.05E-08	1.29E-08	8.47E-05	2.67E-08	1.13E-08
496	489663.71, 3861	7.90E-05	2.49E-08	1.06E-08	9.67E-05	3.05E-08	1.30E-08	8.48E-05	2.68E-08	1.14E-08
497	489713.71, 3861	7.90E-05	2.49E-08	1.06E-08	9.68E-05	3.06E-08	1.30E-08	8.49E-05	2.68E-08	1.14E-08
498	489763.71, 3861	7.91E-05	2.50E-08	1.06E-08	9.69E-05	3.06E-08	1.30E-08	8.50E-05	2.68E-08	1.14E-08
499	489813.71, 3861	7.93E-05	2.50E-08	1.06E-08	9.71E-05	3.06E-08	1.30E-08	8.51E-05	2.69E-08	1.14E-08
500	489863.71, 3861	7.95E-05	2.51E-08	1.06E-08	9.74E-05	3.07E-08	1.30E-08	8.54E-05	2.69E-08	1.14E-08
501	489913.71, 3861	7.95E-05	2.51E-08	1.06E-08	9.74E-05	3.07E-08	1.30E-08	8.54E-05	2.69E-08	1.14E-08
502	489963.71, 3861	7.96E-05	2.51E-08	1.07E-08	9.75E-05	3.08E-08	1.31E-08	8.55E-05	2.70E-08	1.15E-08
503	490013.71, 3861	7.97E-05	2.51E-08	1.07E-08	9.76E-05	3.08E-08	1.31E-08	8.56E-05	2.70E-08	1.15E-08
504	490063.71, 3861	7.98E-05	2.52E-08	1.07E-08	9.77E-05	3.08E-08	1.31E-08	8.57E-05	2.70E-08	1.15E-08
505	489713.71, 3861	7.74E-05	2.44E-08	1.04E-08	9.48E-05	2.99E-08	1.27E-08	8.31E-05	2.62E-08	1.11E-08
506	489763.71, 3861	7.75E-05	2.45E-08	1.04E-08	9.49E-05	3.00E-08	1.27E-08	8.32E-05	2.63E-08	1.11E-08
507	489813.71, 3861	7.76E-05	2.45E-08	1.04E-08	9.51E-05	3.00E-08	1.27E-08	8.34E-05	2.63E-08	1.12E-08
508	489863.71, 3861	7.77E-05	2.45E-08	1.04E-08	9.52E-05	3.00E-08	1.27E-08	8.35E-05	2.63E-08	1.12E-08
509	489913.71, 3861	7.78E-05	2.46E-08	1.04E-08	9.53E-05	3.01E-08	1.28E-08	8.36E-05	2.64E-08	1.12E-08
510	489963.71, 3861	7.78E-05	2.46E-08	1.04E-08	9.53E-05	3.01E-08	1.28E-08	8.36E-05	2.64E-08	1.12E-08
511	490013.71, 3861	7.79E-05	2.46E-08	1.04E-08	9.54E-05	3.01E-08	1.28E-08	8.37E-05	2.64E-08	1.12E-08
512	490063.71, 3861	7.81E-05	2.46E-08	1.05E-08	9.56E-05	3.02E-08	1.28E-08	8.38E-05	2.65E-08	1.12E-08
513	489613.71, 3861	7.56E-05	2.39E-08	1.01E-08	9.26E-05	2.92E-08	1.24E-08	8.12E-05	2.56E-08	1.09E-08
514	489663.71, 3861	7.57E-05	2.39E-08	1.01E-08	9.27E-05	2.93E-08	1.24E-08	8.13E-05	2.57E-08	1.09E-08
515	489713.71, 3861	7.58E-05	2.39E-08	1.02E-08	9.29E-05	2.93E-08	1.24E-08	8.14E-05	2.57E-08	1.09E-08
516	489763.71, 3861	7.59E-05	2.40E-08	1.02E-08	9.30E-05	2.93E-08	1.25E-08	8.15E-05	2.57E-08	1.09E-08
517	489813.71, 3861	7.61E-05	2.40E-08	1.02E-08	9.32E-05	2.94E-08	1.25E-08	8.17E-05	2.58E-08	1.09E-08
518	489863.71, 3861	7.62E-05	2.41E-08	1.02E-08	9.33E-05	2.95E-08	1.25E-08	8.19E-05	2.58E-08	1.10E-08

519	489913.71, 3861	7.63E-05	2.41E-08	1.02E-08	9.34E-05	2.95E-08	1.25E-08	8.19E-05	2.58E-08	1.10E-08
520	489963.71, 3861	7.63E-05	2.41E-08	1.02E-08	9.34E-05	2.95E-08	1.25E-08	8.19E-05	2.59E-08	1.10E-08
521	490013.71, 3861	7.64E-05	2.41E-08	1.02E-08	9.35E-05	2.95E-08	1.25E-08	8.20E-05	2.59E-08	1.10E-08
522	490063.71, 3861	7.64E-05	2.41E-08	1.02E-08	9.36E-05	2.95E-08	1.25E-08	8.21E-05	2.59E-08	1.10E-08
523	489513.71, 3861	7.39E-05	2.33E-08	9.89E-09	9.05E-05	2.86E-08	1.21E-08	7.94E-05	2.50E-08	1.06E-08
524	489563.71, 3861	7.41E-05	2.34E-08	9.92E-09	9.07E-05	2.86E-08	1.21E-08	7.96E-05	2.51E-08	1.07E-08
525	489613.71, 3861	7.42E-05	2.34E-08	9.93E-09	9.08E-05	2.87E-08	1.22E-08	7.97E-05	2.51E-08	1.07E-08
526	489663.71, 3861	7.42E-05	2.34E-08	9.94E-09	9.09E-05	2.87E-08	1.22E-08	7.97E-05	2.52E-08	1.07E-08
527	489713.71, 3861	7.43E-05	2.35E-08	9.95E-09	9.10E-05	2.87E-08	1.22E-08	7.98E-05	2.52E-08	1.07E-08
528	489763.71, 3861	7.44E-05	2.35E-08	9.97E-09	9.12E-05	2.88E-08	1.22E-08	7.99E-05	2.52E-08	1.07E-08
529	489813.71, 3861	7.45E-05	2.35E-08	9.98E-09	9.13E-05	2.88E-08	1.22E-08	8.00E-05	2.53E-08	1.07E-08
530	489863.71, 3861	7.46E-05	2.36E-08	9.99E-09	9.14E-05	2.88E-08	1.22E-08	8.01E-05	2.53E-08	1.07E-08
531	489913.71, 3861	7.47E-05	2.36E-08	1.00E-08	9.15E-05	2.89E-08	1.23E-08	8.03E-05	2.53E-08	1.07E-08
532	489963.71, 3861	7.48E-05	2.36E-08	1.00E-08	9.16E-05	2.89E-08	1.23E-08	8.04E-05	2.54E-08	1.08E-08
533	490013.71, 3861	7.49E-05	2.36E-08	1.00E-08	9.17E-05	2.89E-08	1.23E-08	8.04E-05	2.54E-08	1.08E-08
534	490063.71, 3861	7.49E-05	2.36E-08	1.00E-08	9.17E-05	2.89E-08	1.23E-08	8.04E-05	2.54E-08	1.08E-08
535	489528.13, 3861	7.22E-05	2.28E-08	9.67E-09	8.84E-05	2.79E-08	1.18E-08	7.76E-05	2.45E-08	1.04E-08
536	489578.13, 3861	7.23E-05	2.28E-08	9.69E-09	8.86E-05	2.80E-08	1.19E-08	7.77E-05	2.45E-08	1.04E-08
537	489628.13, 3861	7.24E-05	2.29E-08	9.70E-09	8.87E-05	2.80E-08	1.19E-08	7.78E-05	2.46E-08	1.04E-08
538	489678.13, 3861	7.26E-05	2.29E-08	9.72E-09	8.89E-05	2.81E-08	1.19E-08	7.79E-05	2.46E-08	1.04E-08
539	489728.13, 3861	7.27E-05	2.29E-08	9.73E-09	8.90E-05	2.81E-08	1.19E-08	7.81E-05	2.46E-08	1.05E-08
540	489778.13, 3861	7.27E-05	2.30E-08	9.74E-09	8.91E-05	2.81E-08	1.19E-08	7.81E-05	2.47E-08	1.05E-08
541	489678.13, 3861	7.12E-05	2.25E-08	9.53E-09	8.71E-05	2.75E-08	1.17E-08	7.64E-05	2.41E-08	1.02E-08
542	489728.13, 3861	7.12E-05	2.25E-08	9.54E-09	8.72E-05	2.75E-08	1.17E-08	7.65E-05	2.41E-08	1.02E-08
543	489528.13, 3861	6.94E-05	2.19E-08	9.29E-09	8.50E-05	2.68E-08	1.14E-08	7.45E-05	2.35E-08	9.98E-09
544	489578.13, 3861	6.95E-05	2.19E-08	9.31E-09	8.51E-05	2.69E-08	1.14E-08	7.47E-05	2.36E-08	1.00E-08
545	489628.13, 3861	6.98E-05	2.20E-08	9.34E-09	8.54E-05	2.70E-08	1.14E-08	7.49E-05	2.36E-08	1.00E-08
546	489678.13, 3861	6.98E-05	2.20E-08	9.35E-09	8.55E-05	2.70E-08	1.15E-08	7.50E-05	2.37E-08	1.00E-08
547	489728.13, 3861	6.98E-05	2.20E-08	9.35E-09	8.55E-05	2.70E-08	1.15E-08	7.50E-05	2.37E-08	1.00E-08
548	489528.13, 3861	6.81E-05	2.15E-08	9.12E-09	8.34E-05	2.63E-08	1.12E-08	7.32E-05	2.31E-08	9.80E-09
549	489578.13, 3861	6.83E-05	2.15E-08	9.14E-09	8.36E-05	2.64E-08	1.12E-08	7.33E-05	2.31E-08	9.82E-09
550	489628.13, 3861	6.84E-05	2.16E-08	9.16E-09	8.38E-05	2.64E-08	1.12E-08	7.34E-05	2.32E-08	9.84E-09
551	489678.13, 3861	6.85E-05	2.16E-08	9.17E-09	8.38E-05	2.65E-08	1.12E-08	7.35E-05	2.32E-08	9.85E-09
552	489728.13, 3861	6.84E-05	2.16E-08	9.16E-09	8.38E-05	2.65E-08	1.12E-08	7.35E-05	2.32E-08	9.84E-09
553	489528.13, 3861	6.69E-05	2.11E-08	8.95E-09	8.19E-05	2.58E-08	1.10E-08	7.18E-05	2.27E-08	9.62E-09
554	489578.13, 3861	6.70E-05	2.11E-08	8.97E-09	8.20E-05	2.59E-08	1.10E-08	7.19E-05	2.27E-08	9.63E-09
555	489628.13, 3861	6.70E-05	2.12E-08	8.98E-09	8.21E-05	2.59E-08	1.10E-08	7.20E-05	2.27E-08	9.64E-09
556	489678.13, 3861	6.71E-05	2.12E-08	8.98E-09	8.22E-05	2.59E-08	1.10E-08	7.21E-05	2.27E-08	9.65E-09
557	489728.13, 3861	6.71E-05	2.12E-08	8.99E-09	8.22E-05	2.60E-08	1.10E-08	7.21E-05	2.28E-08	9.66E-09
558	489628.13, 3861	6.59E-05	2.08E-08	8.82E-09	8.07E-05	2.55E-08	1.08E-08	7.08E-05	2.23E-08	9.48E-09
559	489678.13, 3861	6.60E-05	2.08E-08	8.84E-09	8.08E-05	2.55E-08	1.08E-08	7.09E-05	2.24E-08	9.49E-09
560	489728.13, 3861	6.61E-05	2.08E-08	8.85E-09	8.09E-05	2.55E-08	1.08E-08	7.09E-05	2.24E-08	9.50E-09
561	489357.08, 3861	8.16E-05	2.58E-08	1.09E-08	9.99E-05	3.15E-08	1.34E-08	8.76E-05	2.77E-08	1.17E-08
562	489407.08, 3861	8.15E-05	2.57E-08	1.09E-08	9.99E-05	3.15E-08	1.34E-08	8.76E-05	2.76E-08	1.17E-08
563	489457.08, 3861	8.16E-05	2.58E-08	1.09E-08	9.99E-05	3.15E-08	1.34E-08	8.76E-05	2.77E-08	1.17E-08
564	489357.08, 3861	7.99E-05	2.52E-08	1.07E-08	9.79E-05	3.09E-08	1.31E-08	8.59E-05	2.71E-08	1.15E-08
565	489407.08, 3861	7.99E-05	2.52E-08	1.07E-08	9.78E-05	3.09E-08	1.31E-08	8.58E-05	2.71E-08	1.15E-08
566	489457.08, 3861	7.99E-05	2.52E-08	1.07E-08	9.79E-05	3.09E-08	1.31E-08	8.59E-05	2.71E-08	1.15E-08
567	489357.08, 3861	7.83E-05	2.47E-08	1.05E-08	9.59E-05	3.03E-08	1.28E-08	8.41E-05	2.65E-08	1.13E-08
568	489407.08, 3861	7.84E-05	2.47E-08	1.05E-08	9.60E-05	3.03E-08	1.29E-08	8.42E-05	2.66E-08	1.13E-08
569	489457.08, 3861	7.85E-05	2.48E-08	1.05E-08	9.61E-05	3.03E-08	1.29E-08	8.43E-05	2.66E-08	1.13E-08
570	489407.08, 3861	7.69E-05	2.43E-08	1.03E-08	9.42E-05	2.97E-08	1.26E-08	8.26E-05	2.61E-08	1.11E-08
571	489457.08, 3861	7.69E-05	2.43E-08	1.03E-08	9.42E-05	2.97E-08	1.26E-08	8.26E-05	2.61E-08	1.11E-08
572	489407.08, 3861	7.50E-05	2.37E-08	1.00E-08	9.19E-05	2.90E-08	1.23E-08	8.06E-05	2.54E-08	1.08E-08
573	489457.08, 3861	7.51E-05	2.37E-08	1.01E-08	9.19E-05	2.90E-08	1.23E-08	8.06E-05	2.54E-08	1.08E-08
574	489407.08, 3861	7.31E-05	2.31E-08	9.79E-09	8.96E-05	2.83E-08	1.20E-08	7.86E-05	2.48E-08	1.05E-08
575	489457.08, 3861	7.33E-05	2.31E-08	9.82E-09	8.98E-05	2.83E-08	1.20E-08	7.87E-05	2.49E-08	1.05E-08
576	489309.86, 3861	7.83E-05	2.47E-08	1.05E-08	9.59E-05	3.03E-08	1.28E-08	8.41E-05	2.65E-08	1.13E-08

577	489407.08, 3861	7.17E-05	2.26E-08	9.60E-09	8.78E-05	2.77E-08	1.18E-08	7.70E-05	2.43E-08	1.03E-08
578	489457.08, 3861	7.19E-05	2.27E-08	9.62E-09	8.80E-05	2.78E-08	1.18E-08	7.72E-05	2.44E-08	1.03E-08
579	488906.03, 3861	8.15E-05	2.57E-08	1.09E-08	9.99E-05	3.15E-08	1.34E-08	8.76E-05	2.76E-08	1.17E-08
580	488956.03, 3861	8.19E-05	2.58E-08	1.10E-08	1.00E-04	3.16E-08	1.34E-08	8.79E-05	2.78E-08	1.18E-08
581	488904.24, 3861	8.12E-05	2.56E-08	1.09E-08	9.95E-05	3.14E-08	1.33E-08	8.72E-05	2.75E-08	1.17E-08
582	488954.24, 3861	8.07E-05	2.55E-08	1.08E-08	9.89E-05	3.12E-08	1.32E-08	8.67E-05	2.74E-08	1.16E-08
583	489004.24, 3861	8.12E-05	2.56E-08	1.09E-08	9.94E-05	3.14E-08	1.33E-08	8.72E-05	2.75E-08	1.17E-08
584	488804.24, 3861	7.89E-05	2.49E-08	1.06E-08	9.66E-05	3.05E-08	1.29E-08	8.47E-05	2.67E-08	1.13E-08
585	488854.24, 3861	7.91E-05	2.50E-08	1.06E-08	9.69E-05	3.06E-08	1.30E-08	8.50E-05	2.68E-08	1.14E-08
586	488904.24, 3861	7.82E-05	2.47E-08	1.05E-08	9.58E-05	3.02E-08	1.28E-08	8.40E-05	2.65E-08	1.12E-08
587	488954.24, 3861	7.79E-05	2.46E-08	1.04E-08	9.55E-05	3.01E-08	1.28E-08	8.37E-05	2.64E-08	1.12E-08
588	489004.24, 3861	7.81E-05	2.46E-08	1.05E-08	9.56E-05	3.02E-08	1.28E-08	8.38E-05	2.65E-08	1.12E-08
589	488804.24, 3861	7.61E-05	2.40E-08	1.02E-08	9.32E-05	2.94E-08	1.25E-08	8.17E-05	2.58E-08	1.09E-08
590	488854.24, 3861	7.59E-05	2.40E-08	1.02E-08	9.30E-05	2.93E-08	1.24E-08	8.15E-05	2.57E-08	1.09E-08
591	489129.49, 3861	7.50E-05	2.37E-08	1.00E-08	9.19E-05	2.90E-08	1.23E-08	8.06E-05	2.54E-08	1.08E-08
592	489179.49, 3861	7.51E-05	2.37E-08	1.01E-08	9.20E-05	2.90E-08	1.23E-08	8.07E-05	2.55E-08	1.08E-08
593	488804.24, 3861	7.46E-05	2.35E-08	9.99E-09	9.13E-05	2.88E-08	1.22E-08	8.01E-05	2.53E-08	1.07E-08
594	488854.24, 3861	7.42E-05	2.34E-08	9.93E-09	9.09E-05	2.87E-08	1.22E-08	7.97E-05	2.52E-08	1.07E-08
595	489129.49, 3861	7.37E-05	2.33E-08	9.87E-09	9.02E-05	2.85E-08	1.21E-08	7.92E-05	2.50E-08	1.06E-08
596	489179.49, 3861	7.36E-05	2.32E-08	9.86E-09	9.01E-05	2.84E-08	1.21E-08	7.91E-05	2.50E-08	1.06E-08
597	488804.24, 3861	7.32E-05	2.31E-08	9.80E-09	8.97E-05	2.83E-08	1.20E-08	7.86E-05	2.48E-08	1.05E-08
598	488854.24, 3861	7.28E-05	2.30E-08	9.75E-09	8.91E-05	2.81E-08	1.19E-08	7.82E-05	2.47E-08	1.05E-08
599	488804.24, 3861	7.17E-05	2.26E-08	9.60E-09	8.78E-05	2.77E-08	1.18E-08	7.70E-05	2.43E-08	1.03E-08
600	488854.24, 3861	7.14E-05	2.25E-08	9.56E-09	8.75E-05	2.76E-08	1.17E-08	7.67E-05	2.42E-08	1.03E-08
601	490943.5, 38601	1.19E-04	3.74E-08	1.59E-08	1.45E-04	4.59E-08	1.95E-08	1.27E-04	4.02E-08	1.71E-08
602	490993.5, 38601	1.18E-04	3.74E-08	1.58E-08	1.45E-04	4.57E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
603	491043.5, 38601	1.18E-04	3.73E-08	1.58E-08	1.45E-04	4.57E-08	1.94E-08	1.27E-04	4.00E-08	1.70E-08
604	491093.5, 38601	1.18E-04	3.72E-08	1.58E-08	1.44E-04	4.55E-08	1.93E-08	1.27E-04	3.99E-08	1.69E-08
605	490943.5, 38602	1.16E-04	3.65E-08	1.55E-08	1.41E-04	4.47E-08	1.89E-08	1.24E-04	3.92E-08	1.66E-08
606	490993.5, 38602	1.15E-04	3.64E-08	1.55E-08	1.41E-04	4.46E-08	1.89E-08	1.24E-04	3.91E-08	1.66E-08
607	491043.5, 38602	1.15E-04	3.63E-08	1.54E-08	1.41E-04	4.44E-08	1.88E-08	1.23E-04	3.90E-08	1.65E-08
608	491093.5, 38602	1.14E-04	3.61E-08	1.53E-08	1.40E-04	4.43E-08	1.88E-08	1.23E-04	3.88E-08	1.65E-08
609	490943.5, 38602	1.13E-04	3.56E-08	1.51E-08	1.38E-04	4.36E-08	1.85E-08	1.21E-04	3.82E-08	1.62E-08
610	490993.5, 38602	1.12E-04	3.55E-08	1.51E-08	1.38E-04	4.35E-08	1.84E-08	1.21E-04	3.81E-08	1.62E-08
611	491043.5, 38602	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.33E-08	1.84E-08	1.20E-04	3.80E-08	1.61E-08
612	491093.5, 38602	1.12E-04	3.52E-08	1.49E-08	1.37E-04	4.31E-08	1.83E-08	1.20E-04	3.78E-08	1.60E-08
613	490943.5, 38603	1.10E-04	3.48E-08	1.47E-08	1.35E-04	4.26E-08	1.81E-08	1.18E-04	3.73E-08	1.58E-08
614	490993.5, 38603	1.10E-04	3.46E-08	1.47E-08	1.34E-04	4.24E-08	1.80E-08	1.18E-04	3.71E-08	1.58E-08
615	491043.5, 38603	1.09E-04	3.44E-08	1.46E-08	1.34E-04	4.22E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
616	491093.5, 38603	1.09E-04	3.43E-08	1.45E-08	1.33E-04	4.20E-08	1.78E-08	1.17E-04	3.68E-08	1.56E-08
617	490086.72, 3859	1.48E-04	4.67E-08	1.98E-08	1.81E-04	5.72E-08	2.43E-08	1.59E-04	5.02E-08	2.13E-08
618	490136.72, 3859	1.47E-04	4.64E-08	1.97E-08	1.80E-04	5.68E-08	2.41E-08	1.58E-04	4.99E-08	2.12E-08
619	490186.72, 3859	1.46E-04	4.61E-08	1.96E-08	1.79E-04	5.64E-08	2.39E-08	1.57E-04	4.95E-08	2.10E-08
620	490236.72, 3859	1.45E-04	4.58E-08	1.94E-08	1.78E-04	5.61E-08	2.38E-08	1.56E-04	4.92E-08	2.09E-08
621	490286.72, 3859	1.44E-04	4.55E-08	1.93E-08	1.76E-04	5.57E-08	2.36E-08	1.55E-04	4.88E-08	2.07E-08
622	490336.72, 3859	1.43E-04	4.52E-08	1.92E-08	1.75E-04	5.53E-08	2.35E-08	1.54E-04	4.85E-08	2.06E-08
623	490386.72, 3859	1.42E-04	4.49E-08	1.91E-08	1.74E-04	5.50E-08	2.34E-08	1.53E-04	4.83E-08	2.05E-08
624	490436.72, 3859	1.42E-04	4.47E-08	1.90E-08	1.74E-04	5.48E-08	2.32E-08	1.52E-04	4.80E-08	2.04E-08
625	490486.72, 3859	1.41E-04	4.46E-08	1.89E-08	1.73E-04	5.46E-08	2.32E-08	1.52E-04	4.79E-08	2.03E-08
626	490536.72, 3859	1.41E-04	4.46E-08	1.89E-08	1.73E-04	5.46E-08	2.32E-08	1.52E-04	4.79E-08	2.03E-08
627	490586.72, 3859	1.41E-04	4.46E-08	1.89E-08	1.73E-04	5.46E-08	2.32E-08	1.52E-04	4.79E-08	2.03E-08
628	490636.72, 3859	1.41E-04	4.46E-08	1.89E-08	1.73E-04	5.46E-08	2.32E-08	1.52E-04	4.79E-08	2.03E-08
629	490686.72, 3859	1.42E-04	4.47E-08	1.90E-08	1.74E-04	5.48E-08	2.32E-08	1.52E-04	4.80E-08	2.04E-08
630	490736.72, 3859	1.42E-04	4.48E-08	1.90E-08	1.74E-04	5.48E-08	2.33E-08	1.52E-04	4.81E-08	2.04E-08
631	490086.72, 3859	1.44E-04	4.55E-08	1.93E-08	1.77E-04	5.58E-08	2.37E-08	1.55E-04	4.89E-08	2.08E-08
632	490136.72, 3859	1.43E-04	4.52E-08	1.92E-08	1.75E-04	5.54E-08	2.35E-08	1.54E-04	4.86E-08	2.06E-08
633	490186.72, 3859	1.42E-04	4.49E-08	1.91E-08	1.74E-04	5.50E-08	2.34E-08	1.53E-04	4.83E-08	2.05E-08
634	490236.72, 3859	1.42E-04	4.47E-08	1.90E-08	1.73E-04	5.47E-08	2.32E-08	1.52E-04	4.80E-08	2.04E-08

635	490286.72, 3859	1.41E-04	4.44E-08	1.88E-08	1.72E-04	5.43E-08	2.30E-08	1.51E-04	4.76E-08	2.02E-08
636	490336.72, 3859	1.40E-04	4.40E-08	1.87E-08	1.71E-04	5.39E-08	2.29E-08	1.50E-04	4.73E-08	2.01E-08
637	490386.72, 3859	1.38E-04	4.37E-08	1.85E-08	1.70E-04	5.35E-08	2.27E-08	1.49E-04	4.69E-08	1.99E-08
638	490436.72, 3859	1.38E-04	4.34E-08	1.84E-08	1.69E-04	5.32E-08	2.26E-08	1.48E-04	4.67E-08	1.98E-08
639	490486.72, 3859	1.37E-04	4.32E-08	1.83E-08	1.68E-04	5.30E-08	2.25E-08	1.47E-04	4.64E-08	1.97E-08
640	490536.72, 3859	1.37E-04	4.31E-08	1.83E-08	1.67E-04	5.28E-08	2.24E-08	1.47E-04	4.63E-08	1.97E-08
641	490586.72, 3859	1.36E-04	4.31E-08	1.83E-08	1.67E-04	5.28E-08	2.24E-08	1.47E-04	4.63E-08	1.96E-08
642	490636.72, 3859	1.37E-04	4.31E-08	1.83E-08	1.67E-04	5.28E-08	2.24E-08	1.47E-04	4.63E-08	1.96E-08
643	490686.72, 3859	1.37E-04	4.32E-08	1.83E-08	1.68E-04	5.29E-08	2.25E-08	1.47E-04	4.64E-08	1.97E-08
644	490736.72, 3859	1.37E-04	4.32E-08	1.83E-08	1.68E-04	5.29E-08	2.24E-08	1.47E-04	4.64E-08	1.97E-08
645	490786.72, 3859	1.37E-04	4.31E-08	1.83E-08	1.67E-04	5.29E-08	2.24E-08	1.47E-04	4.63E-08	1.97E-08
646	490086.72, 3860	1.41E-04	4.44E-08	1.88E-08	1.72E-04	5.43E-08	2.30E-08	1.51E-04	4.76E-08	2.02E-08
647	490136.72, 3860	1.40E-04	4.41E-08	1.87E-08	1.71E-04	5.40E-08	2.29E-08	1.50E-04	4.74E-08	2.01E-08
648	490186.72, 3860	1.39E-04	4.38E-08	1.86E-08	1.70E-04	5.37E-08	2.28E-08	1.49E-04	4.71E-08	2.00E-08
649	490236.72, 3860	1.38E-04	4.35E-08	1.85E-08	1.69E-04	5.33E-08	2.26E-08	1.48E-04	4.68E-08	1.98E-08
650	490286.72, 3860	1.37E-04	4.32E-08	1.83E-08	1.68E-04	5.29E-08	2.25E-08	1.47E-04	4.64E-08	1.97E-08
651	490336.72, 3860	1.36E-04	4.30E-08	1.82E-08	1.67E-04	5.26E-08	2.23E-08	1.46E-04	4.62E-08	1.96E-08
652	490386.72, 3860	1.35E-04	4.26E-08	1.81E-08	1.65E-04	5.22E-08	2.21E-08	1.45E-04	4.58E-08	1.94E-08
653	490436.72, 3860	1.34E-04	4.23E-08	1.80E-08	1.64E-04	5.18E-08	2.20E-08	1.44E-04	4.55E-08	1.93E-08
654	490486.72, 3860	1.33E-04	4.21E-08	1.79E-08	1.63E-04	5.15E-08	2.19E-08	1.43E-04	4.52E-08	1.92E-08
655	490536.72, 3860	1.33E-04	4.19E-08	1.78E-08	1.63E-04	5.13E-08	2.18E-08	1.43E-04	4.50E-08	1.91E-08
656	490586.72, 3860	1.32E-04	4.18E-08	1.77E-08	1.62E-04	5.11E-08	2.17E-08	1.42E-04	4.48E-08	1.90E-08
657	490636.72, 3860	1.32E-04	4.16E-08	1.76E-08	1.61E-04	5.09E-08	2.16E-08	1.42E-04	4.47E-08	1.90E-08
658	490686.72, 3860	1.32E-04	4.16E-08	1.76E-08	1.61E-04	5.09E-08	2.16E-08	1.41E-04	4.46E-08	1.89E-08
659	490736.72, 3860	1.32E-04	4.17E-08	1.77E-08	1.62E-04	5.11E-08	2.17E-08	1.42E-04	4.48E-08	1.90E-08
660	490786.72, 3860	1.32E-04	4.16E-08	1.77E-08	1.62E-04	5.10E-08	2.16E-08	1.42E-04	4.47E-08	1.90E-08
661	490836.72, 3860	1.32E-04	4.16E-08	1.76E-08	1.61E-04	5.09E-08	2.16E-08	1.42E-04	4.47E-08	1.90E-08
662	490086.72, 3860	1.37E-04	4.33E-08	1.84E-08	1.68E-04	5.31E-08	2.25E-08	1.48E-04	4.66E-08	1.98E-08
663	490136.72, 3860	1.36E-04	4.30E-08	1.82E-08	1.67E-04	5.26E-08	2.23E-08	1.46E-04	4.62E-08	1.96E-08
664	490186.72, 3860	1.36E-04	4.28E-08	1.82E-08	1.66E-04	5.24E-08	2.22E-08	1.46E-04	4.60E-08	1.95E-08
665	490236.72, 3860	1.35E-04	4.25E-08	1.80E-08	1.65E-04	5.21E-08	2.21E-08	1.45E-04	4.57E-08	1.94E-08
666	490286.72, 3860	1.34E-04	4.22E-08	1.79E-08	1.64E-04	5.17E-08	2.20E-08	1.44E-04	4.54E-08	1.92E-08
667	490336.72, 3860	1.33E-04	4.19E-08	1.78E-08	1.63E-04	5.13E-08	2.18E-08	1.43E-04	4.50E-08	1.91E-08
668	490386.72, 3860	1.32E-04	4.16E-08	1.77E-08	1.61E-04	5.10E-08	2.16E-08	1.42E-04	4.47E-08	1.90E-08
669	490436.72, 3860	1.31E-04	4.13E-08	1.75E-08	1.60E-04	5.06E-08	2.15E-08	1.41E-04	4.44E-08	1.88E-08
670	490486.72, 3860	1.30E-04	4.10E-08	1.74E-08	1.59E-04	5.02E-08	2.13E-08	1.40E-04	4.40E-08	1.87E-08
671	490536.72, 3860	1.29E-04	4.08E-08	1.73E-08	1.58E-04	5.00E-08	2.12E-08	1.39E-04	4.38E-08	1.86E-08
672	490586.72, 3860	1.29E-04	4.06E-08	1.72E-08	1.58E-04	4.97E-08	2.11E-08	1.38E-04	4.36E-08	1.85E-08
673	490636.72, 3860	1.28E-04	4.04E-08	1.71E-08	1.57E-04	4.95E-08	2.10E-08	1.37E-04	4.34E-08	1.84E-08
674	490686.72, 3860	1.28E-04	4.03E-08	1.71E-08	1.56E-04	4.94E-08	2.09E-08	1.37E-04	4.33E-08	1.84E-08
675	490736.72, 3860	1.28E-04	4.03E-08	1.71E-08	1.56E-04	4.93E-08	2.09E-08	1.37E-04	4.32E-08	1.84E-08
676	490786.72, 3860	1.28E-04	4.03E-08	1.71E-08	1.56E-04	4.93E-08	2.09E-08	1.37E-04	4.32E-08	1.83E-08
677	490836.72, 3860	1.27E-04	4.02E-08	1.70E-08	1.56E-04	4.92E-08	2.09E-08	1.37E-04	4.31E-08	1.83E-08
678	490086.72, 3860	1.33E-04	4.19E-08	1.78E-08	1.63E-04	5.14E-08	2.18E-08	1.43E-04	4.51E-08	1.91E-08
679	490136.72, 3860	1.33E-04	4.18E-08	1.78E-08	1.62E-04	5.13E-08	2.17E-08	1.42E-04	4.49E-08	1.91E-08
680	490186.72, 3860	1.32E-04	4.17E-08	1.77E-08	1.62E-04	5.11E-08	2.17E-08	1.42E-04	4.48E-08	1.90E-08
681	490236.72, 3860	1.31E-04	4.15E-08	1.76E-08	1.61E-04	5.08E-08	2.16E-08	1.41E-04	4.45E-08	1.89E-08
682	490286.72, 3860	1.31E-04	4.12E-08	1.75E-08	1.60E-04	5.05E-08	2.14E-08	1.40E-04	4.43E-08	1.88E-08
683	490336.72, 3860	1.30E-04	4.10E-08	1.74E-08	1.59E-04	5.02E-08	2.13E-08	1.39E-04	4.40E-08	1.87E-08
684	490386.72, 3860	1.29E-04	4.07E-08	1.73E-08	1.58E-04	4.98E-08	2.11E-08	1.38E-04	4.37E-08	1.85E-08
685	490436.72, 3860	1.28E-04	4.03E-08	1.71E-08	1.57E-04	4.94E-08	2.10E-08	1.37E-04	4.33E-08	1.84E-08
686	490486.72, 3860	1.27E-04	4.01E-08	1.70E-08	1.55E-04	4.91E-08	2.08E-08	1.36E-04	4.30E-08	1.83E-08
687	490536.72, 3860	1.26E-04	3.98E-08	1.69E-08	1.55E-04	4.88E-08	2.07E-08	1.36E-04	4.28E-08	1.81E-08
688	490586.72, 3860	1.25E-04	3.96E-08	1.68E-08	1.54E-04	4.85E-08	2.06E-08	1.35E-04	4.25E-08	1.80E-08
689	490636.72, 3860	1.25E-04	3.94E-08	1.67E-08	1.53E-04	4.82E-08	2.05E-08	1.34E-04	4.23E-08	1.79E-08
690	490686.72, 3860	1.24E-04	3.92E-08	1.66E-08	1.52E-04	4.80E-08	2.04E-08	1.33E-04	4.21E-08	1.78E-08
691	490736.72, 3860	1.24E-04	3.90E-08	1.66E-08	1.51E-04	4.78E-08	2.03E-08	1.33E-04	4.19E-08	1.78E-08
692	490786.72, 3860	1.24E-04	3.90E-08	1.65E-08	1.51E-04	4.78E-08	2.03E-08	1.33E-04	4.19E-08	1.78E-08

693	490836.72, 3860	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.76E-08	2.02E-08	1.32E-04	4.17E-08	1.77E-08
694	490086.72, 3860	1.29E-04	4.07E-08	1.73E-08	1.58E-04	4.99E-08	2.12E-08	1.39E-04	4.38E-08	1.86E-08
695	490136.72, 3860	1.29E-04	4.07E-08	1.73E-08	1.58E-04	4.99E-08	2.12E-08	1.39E-04	4.37E-08	1.86E-08
696	490186.72, 3860	1.29E-04	4.06E-08	1.72E-08	1.58E-04	4.98E-08	2.11E-08	1.38E-04	4.36E-08	1.85E-08
697	490236.72, 3860	1.28E-04	4.05E-08	1.72E-08	1.57E-04	4.95E-08	2.10E-08	1.38E-04	4.34E-08	1.84E-08
698	490286.72, 3860	1.28E-04	4.02E-08	1.71E-08	1.56E-04	4.93E-08	2.09E-08	1.37E-04	4.32E-08	1.83E-08
699	490336.72, 3860	1.27E-04	4.00E-08	1.70E-08	1.55E-04	4.90E-08	2.08E-08	1.36E-04	4.30E-08	1.82E-08
700	490386.72, 3860	1.26E-04	3.97E-08	1.69E-08	1.54E-04	4.87E-08	2.07E-08	1.35E-04	4.27E-08	1.81E-08
701	490436.72, 3860	1.25E-04	3.95E-08	1.67E-08	1.53E-04	4.83E-08	2.05E-08	1.34E-04	4.24E-08	1.80E-08
702	490486.72, 3860	1.24E-04	3.92E-08	1.66E-08	1.52E-04	4.80E-08	2.04E-08	1.33E-04	4.21E-08	1.78E-08
703	490536.72, 3860	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.77E-08	2.02E-08	1.32E-04	4.18E-08	1.77E-08
704	490586.72, 3860	1.23E-04	3.87E-08	1.64E-08	1.50E-04	4.74E-08	2.01E-08	1.32E-04	4.16E-08	1.76E-08
705	490636.72, 3860	1.22E-04	3.84E-08	1.63E-08	1.49E-04	4.71E-08	2.00E-08	1.31E-04	4.13E-08	1.75E-08
706	490686.72, 3860	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.68E-08	1.99E-08	1.30E-04	4.11E-08	1.74E-08
707	490736.72, 3860	1.20E-04	3.80E-08	1.61E-08	1.47E-04	4.65E-08	1.97E-08	1.29E-04	4.08E-08	1.73E-08
708	490786.72, 3860	1.20E-04	3.79E-08	1.61E-08	1.47E-04	4.64E-08	1.97E-08	1.29E-04	4.07E-08	1.73E-08
709	490836.72, 3860	1.20E-04	3.77E-08	1.60E-08	1.46E-04	4.62E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
710	490086.72, 3860	1.26E-04	3.96E-08	1.68E-08	1.54E-04	4.85E-08	2.06E-08	1.35E-04	4.25E-08	1.81E-08
711	490136.72, 3860	1.25E-04	3.96E-08	1.68E-08	1.54E-04	4.85E-08	2.06E-08	1.35E-04	4.25E-08	1.80E-08
712	490186.72, 3860	1.25E-04	3.96E-08	1.68E-08	1.54E-04	4.84E-08	2.06E-08	1.35E-04	4.25E-08	1.80E-08
713	490236.72, 3860	1.25E-04	3.94E-08	1.67E-08	1.53E-04	4.83E-08	2.05E-08	1.34E-04	4.24E-08	1.80E-08
714	490286.72, 3860	1.24E-04	3.93E-08	1.67E-08	1.52E-04	4.81E-08	2.04E-08	1.34E-04	4.22E-08	1.79E-08
715	490336.72, 3860	1.24E-04	3.91E-08	1.66E-08	1.52E-04	4.79E-08	2.03E-08	1.33E-04	4.20E-08	1.78E-08
716	490386.72, 3860	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.76E-08	2.02E-08	1.32E-04	4.17E-08	1.77E-08
717	490436.72, 3860	1.22E-04	3.86E-08	1.64E-08	1.50E-04	4.73E-08	2.01E-08	1.31E-04	4.15E-08	1.76E-08
718	490486.72, 3860	1.22E-04	3.83E-08	1.63E-08	1.49E-04	4.70E-08	1.99E-08	1.30E-04	4.12E-08	1.75E-08
719	490536.72, 3860	1.21E-04	3.81E-08	1.62E-08	1.48E-04	4.67E-08	1.98E-08	1.30E-04	4.09E-08	1.74E-08
720	490586.72, 3860	1.20E-04	3.78E-08	1.61E-08	1.47E-04	4.64E-08	1.97E-08	1.29E-04	4.06E-08	1.72E-08
721	490636.72, 3860	1.19E-04	3.76E-08	1.60E-08	1.46E-04	4.61E-08	1.95E-08	1.28E-04	4.04E-08	1.71E-08
722	490686.72, 3860	1.18E-04	3.74E-08	1.59E-08	1.45E-04	4.58E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
723	490736.72, 3860	1.18E-04	3.71E-08	1.58E-08	1.44E-04	4.55E-08	1.93E-08	1.26E-04	3.99E-08	1.69E-08
724	490786.72, 3860	1.17E-04	3.69E-08	1.57E-08	1.43E-04	4.52E-08	1.92E-08	1.26E-04	3.97E-08	1.68E-08
725	490086.72, 3860	1.22E-04	3.85E-08	1.63E-08	1.49E-04	4.71E-08	2.00E-08	1.31E-04	4.13E-08	1.75E-08
726	490136.72, 3860	1.22E-04	3.85E-08	1.63E-08	1.49E-04	4.72E-08	2.00E-08	1.31E-04	4.14E-08	1.75E-08
727	490186.72, 3860	1.22E-04	3.85E-08	1.63E-08	1.49E-04	4.71E-08	2.00E-08	1.31E-04	4.13E-08	1.75E-08
728	490236.72, 3860	1.22E-04	3.84E-08	1.63E-08	1.49E-04	4.71E-08	2.00E-08	1.31E-04	4.13E-08	1.75E-08
729	490286.72, 3860	1.21E-04	3.83E-08	1.63E-08	1.49E-04	4.69E-08	1.99E-08	1.30E-04	4.11E-08	1.75E-08
730	490336.72, 3860	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.67E-08	1.98E-08	1.30E-04	4.10E-08	1.74E-08
731	490386.72, 3860	1.20E-04	3.80E-08	1.61E-08	1.47E-04	4.65E-08	1.97E-08	1.29E-04	4.08E-08	1.73E-08
732	490436.72, 3860	1.20E-04	3.78E-08	1.60E-08	1.47E-04	4.63E-08	1.96E-08	1.29E-04	4.06E-08	1.72E-08
733	490486.72, 3860	1.19E-04	3.75E-08	1.59E-08	1.46E-04	4.60E-08	1.95E-08	1.28E-04	4.03E-08	1.71E-08
734	490536.72, 3860	1.18E-04	3.73E-08	1.58E-08	1.45E-04	4.57E-08	1.94E-08	1.27E-04	4.00E-08	1.70E-08
735	490586.72, 3860	1.17E-04	3.70E-08	1.57E-08	1.44E-04	4.54E-08	1.92E-08	1.26E-04	3.98E-08	1.69E-08
736	490636.72, 3860	1.17E-04	3.68E-08	1.56E-08	1.43E-04	4.51E-08	1.91E-08	1.25E-04	3.95E-08	1.68E-08
737	490686.72, 3860	1.16E-04	3.66E-08	1.55E-08	1.42E-04	4.48E-08	1.90E-08	1.24E-04	3.93E-08	1.67E-08
738	490736.72, 3860	1.15E-04	3.63E-08	1.54E-08	1.41E-04	4.45E-08	1.89E-08	1.24E-04	3.90E-08	1.66E-08
739	490786.72, 3860	1.14E-04	3.61E-08	1.53E-08	1.40E-04	4.43E-08	1.88E-08	1.23E-04	3.88E-08	1.65E-08
740	490086.72, 3860	1.18E-04	3.74E-08	1.59E-08	1.45E-04	4.58E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
741	490136.72, 3860	1.19E-04	3.74E-08	1.59E-08	1.45E-04	4.59E-08	1.95E-08	1.27E-04	4.02E-08	1.71E-08
742	490186.72, 3860	1.19E-04	3.74E-08	1.59E-08	1.45E-04	4.59E-08	1.95E-08	1.27E-04	4.02E-08	1.71E-08
743	490236.72, 3860	1.19E-04	3.74E-08	1.59E-08	1.45E-04	4.59E-08	1.95E-08	1.27E-04	4.02E-08	1.71E-08
744	490286.72, 3860	1.18E-04	3.74E-08	1.59E-08	1.45E-04	4.58E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
745	490336.72, 3860	1.18E-04	3.72E-08	1.58E-08	1.45E-04	4.56E-08	1.94E-08	1.27E-04	4.00E-08	1.70E-08
746	490386.72, 3860	1.18E-04	3.71E-08	1.57E-08	1.44E-04	4.54E-08	1.93E-08	1.26E-04	3.99E-08	1.69E-08
747	490436.72, 3860	1.17E-04	3.69E-08	1.57E-08	1.43E-04	4.52E-08	1.92E-08	1.26E-04	3.97E-08	1.68E-08
748	490486.72, 3860	1.16E-04	3.67E-08	1.56E-08	1.43E-04	4.50E-08	1.91E-08	1.25E-04	3.95E-08	1.67E-08
749	490536.72, 3860	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.48E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
750	490586.72, 3860	1.15E-04	3.63E-08	1.54E-08	1.41E-04	4.44E-08	1.89E-08	1.23E-04	3.90E-08	1.65E-08

751	490636.72, 3860	1.14E-04	3.61E-08	1.53E-08	1.40E-04	4.42E-08	1.87E-08	1.23E-04	3.87E-08	1.64E-08
752	490686.72, 3860	1.14E-04	3.58E-08	1.52E-08	1.39E-04	4.39E-08	1.86E-08	1.22E-04	3.85E-08	1.63E-08
753	490736.72, 3860	1.13E-04	3.56E-08	1.51E-08	1.38E-04	4.36E-08	1.85E-08	1.21E-04	3.82E-08	1.62E-08
754	490786.72, 3860	1.12E-04	3.54E-08	1.50E-08	1.37E-04	4.34E-08	1.84E-08	1.20E-04	3.80E-08	1.61E-08
755	490086.72, 3860	1.15E-04	3.63E-08	1.54E-08	1.41E-04	4.45E-08	1.89E-08	1.24E-04	3.90E-08	1.66E-08
756	490136.72, 3860	1.15E-04	3.64E-08	1.54E-08	1.41E-04	4.46E-08	1.89E-08	1.24E-04	3.91E-08	1.66E-08
757	490186.72, 3860	1.15E-04	3.64E-08	1.54E-08	1.41E-04	4.46E-08	1.89E-08	1.24E-04	3.91E-08	1.66E-08
758	490236.72, 3860	1.15E-04	3.64E-08	1.55E-08	1.41E-04	4.46E-08	1.89E-08	1.24E-04	3.91E-08	1.66E-08
759	490286.72, 3860	1.15E-04	3.64E-08	1.54E-08	1.41E-04	4.46E-08	1.89E-08	1.24E-04	3.91E-08	1.66E-08
760	490336.72, 3860	1.15E-04	3.63E-08	1.54E-08	1.41E-04	4.45E-08	1.89E-08	1.24E-04	3.90E-08	1.66E-08
761	490386.72, 3860	1.15E-04	3.62E-08	1.54E-08	1.41E-04	4.44E-08	1.88E-08	1.23E-04	3.89E-08	1.65E-08
762	490436.72, 3860	1.14E-04	3.61E-08	1.53E-08	1.40E-04	4.42E-08	1.88E-08	1.23E-04	3.88E-08	1.64E-08
763	490486.72, 3860	1.14E-04	3.60E-08	1.53E-08	1.40E-04	4.40E-08	1.87E-08	1.22E-04	3.86E-08	1.64E-08
764	490536.72, 3860	1.13E-04	3.58E-08	1.52E-08	1.39E-04	4.38E-08	1.86E-08	1.22E-04	3.84E-08	1.63E-08
765	490586.72, 3860	1.13E-04	3.56E-08	1.51E-08	1.38E-04	4.36E-08	1.85E-08	1.21E-04	3.82E-08	1.62E-08
766	490636.72, 3860	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.33E-08	1.84E-08	1.20E-04	3.80E-08	1.61E-08
767	490686.72, 3860	1.11E-04	3.51E-08	1.49E-08	1.36E-04	4.30E-08	1.83E-08	1.20E-04	3.77E-08	1.60E-08
768	490736.72, 3860	1.11E-04	3.49E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.19E-04	3.75E-08	1.59E-08
769	490786.72, 3860	1.10E-04	3.47E-08	1.47E-08	1.35E-04	4.25E-08	1.80E-08	1.18E-04	3.72E-08	1.58E-08
770	490136.72, 3860	1.12E-04	3.54E-08	1.50E-08	1.37E-04	4.33E-08	1.84E-08	1.20E-04	3.80E-08	1.61E-08
771	490186.72, 3860	1.12E-04	3.54E-08	1.50E-08	1.38E-04	4.34E-08	1.84E-08	1.21E-04	3.81E-08	1.61E-08
772	490236.72, 3860	1.12E-04	3.55E-08	1.50E-08	1.38E-04	4.34E-08	1.84E-08	1.21E-04	3.81E-08	1.62E-08
773	490286.72, 3860	1.12E-04	3.54E-08	1.50E-08	1.38E-04	4.34E-08	1.84E-08	1.21E-04	3.81E-08	1.62E-08
774	490336.72, 3860	1.12E-04	3.54E-08	1.50E-08	1.37E-04	4.34E-08	1.84E-08	1.20E-04	3.80E-08	1.61E-08
775	490386.72, 3860	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.33E-08	1.84E-08	1.20E-04	3.80E-08	1.61E-08
776	490436.72, 3860	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.79E-08	1.61E-08
777	490486.72, 3860	1.11E-04	3.51E-08	1.49E-08	1.36E-04	4.30E-08	1.83E-08	1.20E-04	3.77E-08	1.60E-08
778	490536.72, 3860	1.11E-04	3.50E-08	1.49E-08	1.36E-04	4.29E-08	1.82E-08	1.19E-04	3.76E-08	1.60E-08
779	490586.72, 3860	1.10E-04	3.48E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.19E-04	3.74E-08	1.59E-08
780	490636.72, 3860	1.10E-04	3.46E-08	1.47E-08	1.34E-04	4.24E-08	1.80E-08	1.18E-04	3.72E-08	1.58E-08
781	490686.72, 3860	1.09E-04	3.44E-08	1.46E-08	1.34E-04	4.22E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
782	490736.72, 3860	1.08E-04	3.42E-08	1.45E-08	1.33E-04	4.19E-08	1.78E-08	1.16E-04	3.68E-08	1.56E-08
783	490786.72, 3860	1.08E-04	3.40E-08	1.44E-08	1.32E-04	4.17E-08	1.77E-08	1.16E-04	3.65E-08	1.55E-08
784	490136.72, 3860	1.09E-04	3.44E-08	1.46E-08	1.34E-04	4.22E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
785	490186.72, 3860	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.22E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
786	490236.72, 3860	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.23E-08	1.79E-08	1.17E-04	3.71E-08	1.57E-08
787	490286.72, 3860	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.23E-08	1.79E-08	1.17E-04	3.71E-08	1.57E-08
788	490336.72, 3860	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.23E-08	1.79E-08	1.17E-04	3.71E-08	1.57E-08
789	490386.72, 3860	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.22E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
790	490436.72, 3860	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.22E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
791	490486.72, 3860	1.09E-04	3.44E-08	1.46E-08	1.33E-04	4.21E-08	1.79E-08	1.17E-04	3.69E-08	1.57E-08
792	490536.72, 3860	1.08E-04	3.42E-08	1.45E-08	1.33E-04	4.19E-08	1.78E-08	1.16E-04	3.68E-08	1.56E-08
793	490586.72, 3860	1.08E-04	3.41E-08	1.45E-08	1.32E-04	4.17E-08	1.77E-08	1.16E-04	3.66E-08	1.55E-08
794	490636.72, 3860	1.08E-04	3.39E-08	1.44E-08	1.32E-04	4.16E-08	1.76E-08	1.15E-04	3.64E-08	1.55E-08
795	490686.72, 3860	1.07E-04	3.37E-08	1.43E-08	1.31E-04	4.13E-08	1.75E-08	1.15E-04	3.62E-08	1.54E-08
796	490736.72, 3860	1.06E-04	3.36E-08	1.42E-08	1.30E-04	4.11E-08	1.74E-08	1.14E-04	3.60E-08	1.53E-08
797	490786.72, 3860	1.06E-04	3.34E-08	1.42E-08	1.29E-04	4.09E-08	1.73E-08	1.14E-04	3.58E-08	1.52E-08
798	490136.72, 3860	1.06E-04	3.35E-08	1.42E-08	1.30E-04	4.11E-08	1.74E-08	1.14E-04	3.60E-08	1.53E-08
799	490186.72, 3860	1.07E-04	3.36E-08	1.43E-08	1.31E-04	4.12E-08	1.75E-08	1.15E-04	3.61E-08	1.53E-08
800	490236.72, 3860	1.06E-04	3.36E-08	1.43E-08	1.30E-04	4.12E-08	1.75E-08	1.14E-04	3.61E-08	1.53E-08
801	490286.72, 3860	1.06E-04	3.36E-08	1.43E-08	1.30E-04	4.12E-08	1.75E-08	1.14E-04	3.61E-08	1.53E-08
802	490336.72, 3860	1.07E-04	3.36E-08	1.43E-08	1.30E-04	4.12E-08	1.75E-08	1.14E-04	3.61E-08	1.53E-08
803	490386.72, 3860	1.07E-04	3.36E-08	1.43E-08	1.31E-04	4.12E-08	1.75E-08	1.14E-04	3.61E-08	1.53E-08
804	490436.72, 3860	1.07E-04	3.36E-08	1.43E-08	1.31E-04	4.12E-08	1.75E-08	1.14E-04	3.61E-08	1.53E-08
805	490486.72, 3860	1.06E-04	3.36E-08	1.43E-08	1.30E-04	4.12E-08	1.75E-08	1.14E-04	3.61E-08	1.53E-08
806	490536.72, 3860	1.07E-04	3.36E-08	1.43E-08	1.30E-04	4.12E-08	1.75E-08	1.14E-04	3.61E-08	1.53E-08
807	490586.72, 3860	1.06E-04	3.34E-08	1.42E-08	1.30E-04	4.09E-08	1.73E-08	1.14E-04	3.58E-08	1.52E-08
808	490636.72, 3860	1.05E-04	3.32E-08	1.41E-08	1.29E-04	4.07E-08	1.73E-08	1.13E-04	3.57E-08	1.51E-08

809	490686.72, 3860	1.05E-04	3.31E-08	1.40E-08	1.28E-04	4.05E-08	1.72E-08	1.13E-04	3.55E-08	1.51E-08
810	490736.72, 3860	1.04E-04	3.29E-08	1.40E-08	1.28E-04	4.03E-08	1.71E-08	1.12E-04	3.53E-08	1.50E-08
811	490786.72, 3860	1.04E-04	3.27E-08	1.39E-08	1.27E-04	4.01E-08	1.70E-08	1.11E-04	3.52E-08	1.49E-08
812	490136.72, 3860	1.04E-04	3.27E-08	1.39E-08	1.27E-04	4.01E-08	1.70E-08	1.11E-04	3.51E-08	1.49E-08
813	490186.72, 3860	1.03E-04	3.26E-08	1.38E-08	1.26E-04	3.99E-08	1.69E-08	1.11E-04	3.50E-08	1.48E-08
814	490236.72, 3860	1.04E-04	3.27E-08	1.39E-08	1.27E-04	4.00E-08	1.70E-08	1.11E-04	3.51E-08	1.49E-08
815	490286.72, 3860	1.04E-04	3.27E-08	1.39E-08	1.27E-04	4.01E-08	1.70E-08	1.11E-04	3.52E-08	1.49E-08
816	490336.72, 3860	1.04E-04	3.28E-08	1.39E-08	1.27E-04	4.01E-08	1.70E-08	1.12E-04	3.52E-08	1.49E-08
817	490386.72, 3860	1.04E-04	3.28E-08	1.39E-08	1.27E-04	4.01E-08	1.70E-08	1.12E-04	3.52E-08	1.49E-08
818	490436.72, 3860	1.04E-04	3.29E-08	1.40E-08	1.28E-04	4.03E-08	1.71E-08	1.12E-04	3.53E-08	1.50E-08
819	490486.72, 3860	1.04E-04	3.30E-08	1.40E-08	1.28E-04	4.04E-08	1.71E-08	1.12E-04	3.54E-08	1.50E-08
820	490536.72, 3860	1.04E-04	3.29E-08	1.39E-08	1.28E-04	4.02E-08	1.71E-08	1.12E-04	3.53E-08	1.50E-08
821	490586.72, 3860	1.03E-04	3.26E-08	1.38E-08	1.27E-04	3.99E-08	1.69E-08	1.11E-04	3.50E-08	1.49E-08
822	490636.72, 3860	1.03E-04	3.25E-08	1.38E-08	1.26E-04	3.98E-08	1.69E-08	1.11E-04	3.49E-08	1.48E-08
823	490686.72, 3860	1.03E-04	3.24E-08	1.37E-08	1.26E-04	3.97E-08	1.68E-08	1.10E-04	3.48E-08	1.48E-08
824	490736.72, 3860	1.02E-04	3.23E-08	1.37E-08	1.25E-04	3.95E-08	1.68E-08	1.10E-04	3.46E-08	1.47E-08
825	490786.72, 3860	1.02E-04	3.21E-08	1.36E-08	1.25E-04	3.93E-08	1.67E-08	1.09E-04	3.45E-08	1.46E-08
826	490136.72, 3860	1.01E-04	3.20E-08	1.36E-08	1.24E-04	3.92E-08	1.66E-08	1.09E-04	3.44E-08	1.46E-08
827	490186.72, 3860	1.01E-04	3.19E-08	1.35E-08	1.24E-04	3.91E-08	1.66E-08	1.09E-04	3.43E-08	1.46E-08
828	490236.72, 3860	1.01E-04	3.18E-08	1.35E-08	1.24E-04	3.90E-08	1.66E-08	1.08E-04	3.42E-08	1.45E-08
829	490286.72, 3860	1.01E-04	3.19E-08	1.35E-08	1.24E-04	3.90E-08	1.66E-08	1.08E-04	3.42E-08	1.45E-08
830	490336.72, 3860	1.01E-04	3.19E-08	1.35E-08	1.24E-04	3.91E-08	1.66E-08	1.09E-04	3.43E-08	1.45E-08
831	490386.72, 3860	1.01E-04	3.20E-08	1.36E-08	1.24E-04	3.91E-08	1.66E-08	1.09E-04	3.43E-08	1.46E-08
832	490436.72, 3860	1.01E-04	3.20E-08	1.36E-08	1.24E-04	3.92E-08	1.66E-08	1.09E-04	3.43E-08	1.46E-08
833	490486.72, 3860	1.01E-04	3.20E-08	1.36E-08	1.24E-04	3.92E-08	1.66E-08	1.09E-04	3.43E-08	1.46E-08
834	490536.72, 3860	1.01E-04	3.20E-08	1.36E-08	1.24E-04	3.92E-08	1.66E-08	1.09E-04	3.44E-08	1.46E-08
835	490586.72, 3860	1.01E-04	3.19E-08	1.35E-08	1.24E-04	3.91E-08	1.66E-08	1.09E-04	3.43E-08	1.45E-08
836	490636.72, 3860	1.01E-04	3.18E-08	1.35E-08	1.24E-04	3.90E-08	1.65E-08	1.08E-04	3.42E-08	1.45E-08
837	490686.72, 3860	1.01E-04	3.18E-08	1.35E-08	1.23E-04	3.89E-08	1.65E-08	1.08E-04	3.41E-08	1.45E-08
838	490736.72, 3860	1.00E-04	3.16E-08	1.34E-08	1.23E-04	3.87E-08	1.64E-08	1.08E-04	3.39E-08	1.44E-08
839	490786.72, 3860	9.97E-05	3.15E-08	1.34E-08	1.22E-04	3.86E-08	1.64E-08	1.07E-04	3.38E-08	1.43E-08
840	490136.72, 3860	9.87E-05	3.12E-08	1.32E-08	1.21E-04	3.82E-08	1.62E-08	1.06E-04	3.35E-08	1.42E-08
841	490186.72, 3860	9.93E-05	3.13E-08	1.33E-08	1.22E-04	3.84E-08	1.63E-08	1.07E-04	3.37E-08	1.43E-08
842	490236.72, 3860	9.89E-05	3.12E-08	1.32E-08	1.21E-04	3.82E-08	1.62E-08	1.06E-04	3.35E-08	1.42E-08
843	490286.72, 3860	9.83E-05	3.10E-08	1.32E-08	1.20E-04	3.80E-08	1.61E-08	1.06E-04	3.33E-08	1.41E-08
844	490336.72, 3860	9.86E-05	3.11E-08	1.32E-08	1.21E-04	3.81E-08	1.62E-08	1.06E-04	3.34E-08	1.42E-08
845	490386.72, 3860	9.87E-05	3.12E-08	1.32E-08	1.21E-04	3.82E-08	1.62E-08	1.06E-04	3.35E-08	1.42E-08
846	490436.72, 3860	9.87E-05	3.12E-08	1.32E-08	1.21E-04	3.82E-08	1.62E-08	1.06E-04	3.35E-08	1.42E-08
847	490486.72, 3860	9.87E-05	3.11E-08	1.32E-08	1.21E-04	3.81E-08	1.62E-08	1.06E-04	3.34E-08	1.42E-08
848	490536.72, 3860	9.87E-05	3.12E-08	1.32E-08	1.21E-04	3.82E-08	1.62E-08	1.06E-04	3.35E-08	1.42E-08
849	490586.72, 3860	9.87E-05	3.11E-08	1.32E-08	1.21E-04	3.81E-08	1.62E-08	1.06E-04	3.34E-08	1.42E-08
850	490636.72, 3860	9.87E-05	3.11E-08	1.32E-08	1.21E-04	3.81E-08	1.62E-08	1.06E-04	3.34E-08	1.42E-08
851	490686.72, 3860	9.85E-05	3.11E-08	1.32E-08	1.21E-04	3.81E-08	1.62E-08	1.06E-04	3.34E-08	1.42E-08
852	490736.72, 3860	9.82E-05	3.10E-08	1.32E-08	1.20E-04	3.80E-08	1.61E-08	1.05E-04	3.33E-08	1.41E-08
853	490786.72, 3860	9.80E-05	3.09E-08	1.31E-08	1.20E-04	3.79E-08	1.61E-08	1.05E-04	3.32E-08	1.41E-08
854	490136.72, 3860	9.56E-05	3.02E-08	1.28E-08	1.17E-04	3.70E-08	1.57E-08	1.03E-04	3.24E-08	1.38E-08
855	490186.72, 3860	9.56E-05	3.02E-08	1.28E-08	1.17E-04	3.70E-08	1.57E-08	1.03E-04	3.24E-08	1.37E-08
856	490236.72, 3860	9.57E-05	3.02E-08	1.28E-08	1.17E-04	3.70E-08	1.57E-08	1.03E-04	3.24E-08	1.38E-08
857	490286.72, 3860	9.59E-05	3.03E-08	1.28E-08	1.17E-04	3.71E-08	1.57E-08	1.03E-04	3.25E-08	1.38E-08
858	490336.72, 3860	9.60E-05	3.03E-08	1.29E-08	1.18E-04	3.71E-08	1.57E-08	1.03E-04	3.25E-08	1.38E-08
859	490386.72, 3860	9.62E-05	3.04E-08	1.29E-08	1.18E-04	3.72E-08	1.58E-08	1.03E-04	3.26E-08	1.38E-08
860	490436.72, 3860	9.66E-05	3.05E-08	1.29E-08	1.18E-04	3.74E-08	1.58E-08	1.04E-04	3.28E-08	1.39E-08
861	490486.72, 3860	9.65E-05	3.05E-08	1.29E-08	1.18E-04	3.73E-08	1.58E-08	1.04E-04	3.27E-08	1.39E-08
862	490536.72, 3860	9.63E-05	3.04E-08	1.29E-08	1.18E-04	3.72E-08	1.58E-08	1.03E-04	3.26E-08	1.38E-08
863	490586.72, 3860	9.62E-05	3.04E-08	1.29E-08	1.18E-04	3.72E-08	1.58E-08	1.03E-04	3.26E-08	1.38E-08
864	490636.72, 3860	9.62E-05	3.04E-08	1.29E-08	1.18E-04	3.72E-08	1.58E-08	1.03E-04	3.26E-08	1.38E-08
865	490686.72, 3860	9.63E-05	3.04E-08	1.29E-08	1.18E-04	3.72E-08	1.58E-08	1.03E-04	3.26E-08	1.38E-08
866	490736.72, 3860	9.63E-05	3.04E-08	1.29E-08	1.18E-04	3.72E-08	1.58E-08	1.03E-04	3.26E-08	1.38E-08

867	490136.72, 3860	9.29E-05	2.93E-08	1.24E-08	1.14E-04	3.59E-08	1.52E-08	9.98E-05	3.15E-08	1.34E-08
868	490186.72, 3860	9.30E-05	2.94E-08	1.25E-08	1.14E-04	3.60E-08	1.53E-08	9.99E-05	3.15E-08	1.34E-08
869	490236.72, 3860	9.32E-05	2.94E-08	1.25E-08	1.14E-04	3.60E-08	1.53E-08	1.00E-04	3.16E-08	1.34E-08
870	490286.72, 3860	9.33E-05	2.94E-08	1.25E-08	1.14E-04	3.61E-08	1.53E-08	1.00E-04	3.16E-08	1.34E-08
871	490336.72, 3860	9.34E-05	2.95E-08	1.25E-08	1.14E-04	3.61E-08	1.53E-08	1.00E-04	3.17E-08	1.34E-08
872	490386.72, 3860	9.38E-05	2.96E-08	1.26E-08	1.15E-04	3.62E-08	1.54E-08	1.01E-04	3.18E-08	1.35E-08
873	490436.72, 3860	9.39E-05	2.96E-08	1.26E-08	1.15E-04	3.63E-08	1.54E-08	1.01E-04	3.18E-08	1.35E-08
874	490486.72, 3860	9.42E-05	2.97E-08	1.26E-08	1.15E-04	3.64E-08	1.54E-08	1.01E-04	3.19E-08	1.35E-08
875	490536.72, 3860	9.41E-05	2.97E-08	1.26E-08	1.15E-04	3.64E-08	1.54E-08	1.01E-04	3.19E-08	1.35E-08
876	490586.72, 3860	9.38E-05	2.96E-08	1.26E-08	1.15E-04	3.63E-08	1.54E-08	1.01E-04	3.18E-08	1.35E-08
877	490636.72, 3860	9.38E-05	2.96E-08	1.26E-08	1.15E-04	3.63E-08	1.54E-08	1.01E-04	3.18E-08	1.35E-08
878	490686.72, 3860	9.39E-05	2.96E-08	1.26E-08	1.15E-04	3.63E-08	1.54E-08	1.01E-04	3.18E-08	1.35E-08
879	490736.72, 3860	9.40E-05	2.97E-08	1.26E-08	1.15E-04	3.63E-08	1.54E-08	1.01E-04	3.18E-08	1.35E-08
880	490086.72, 3860	9.04E-05	2.85E-08	1.21E-08	1.11E-04	3.49E-08	1.48E-08	9.71E-05	3.06E-08	1.30E-08
881	490136.72, 3860	9.07E-05	2.86E-08	1.21E-08	1.11E-04	3.51E-08	1.49E-08	9.74E-05	3.07E-08	1.30E-08
882	490186.72, 3860	9.07E-05	2.86E-08	1.21E-08	1.11E-04	3.51E-08	1.49E-08	9.74E-05	3.07E-08	1.30E-08
883	490236.72, 3860	9.08E-05	2.87E-08	1.22E-08	1.11E-04	3.51E-08	1.49E-08	9.75E-05	3.08E-08	1.31E-08
884	490286.72, 3860	9.09E-05	2.87E-08	1.22E-08	1.11E-04	3.52E-08	1.49E-08	9.77E-05	3.08E-08	1.31E-08
885	490336.72, 3860	9.10E-05	2.87E-08	1.22E-08	1.11E-04	3.52E-08	1.49E-08	9.78E-05	3.09E-08	1.31E-08
886	490386.72, 3860	9.12E-05	2.88E-08	1.22E-08	1.12E-04	3.52E-08	1.50E-08	9.79E-05	3.09E-08	1.31E-08
887	490436.72, 3860	9.14E-05	2.89E-08	1.22E-08	1.12E-04	3.53E-08	1.50E-08	9.82E-05	3.10E-08	1.31E-08
888	490486.72, 3860	9.16E-05	2.89E-08	1.23E-08	1.12E-04	3.54E-08	1.50E-08	9.84E-05	3.11E-08	1.32E-08
889	490536.72, 3860	9.17E-05	2.89E-08	1.23E-08	1.12E-04	3.54E-08	1.50E-08	9.85E-05	3.11E-08	1.32E-08
890	490586.72, 3860	9.17E-05	2.89E-08	1.23E-08	1.12E-04	3.54E-08	1.50E-08	9.84E-05	3.11E-08	1.32E-08
891	490636.72, 3860	9.16E-05	2.89E-08	1.23E-08	1.12E-04	3.54E-08	1.50E-08	9.84E-05	3.11E-08	1.32E-08
892	490686.72, 3860	9.17E-05	2.89E-08	1.23E-08	1.12E-04	3.54E-08	1.50E-08	9.85E-05	3.11E-08	1.32E-08
893	490736.72, 3860	9.18E-05	2.90E-08	1.23E-08	1.12E-04	3.55E-08	1.51E-08	9.86E-05	3.11E-08	1.32E-08
894	490086.72, 3860	8.83E-05	2.79E-08	1.18E-08	1.08E-04	3.41E-08	1.45E-08	9.48E-05	2.99E-08	1.27E-08
895	490136.72, 3860	8.84E-05	2.79E-08	1.18E-08	1.08E-04	3.42E-08	1.45E-08	9.50E-05	3.00E-08	1.27E-08
896	490186.72, 3860	8.85E-05	2.79E-08	1.19E-08	1.08E-04	3.42E-08	1.45E-08	9.51E-05	3.00E-08	1.27E-08
897	490236.72, 3860	8.86E-05	2.80E-08	1.19E-08	1.09E-04	3.43E-08	1.45E-08	9.52E-05	3.00E-08	1.27E-08
898	490286.72, 3860	8.87E-05	2.80E-08	1.19E-08	1.09E-04	3.43E-08	1.45E-08	9.53E-05	3.01E-08	1.28E-08
899	490336.72, 3860	8.88E-05	2.80E-08	1.19E-08	1.09E-04	3.43E-08	1.46E-08	9.53E-05	3.01E-08	1.28E-08
900	490386.72, 3860	8.89E-05	2.81E-08	1.19E-08	1.09E-04	3.44E-08	1.46E-08	9.55E-05	3.01E-08	1.28E-08
901	490436.72, 3860	8.92E-05	2.81E-08	1.19E-08	1.09E-04	3.45E-08	1.46E-08	9.58E-05	3.02E-08	1.28E-08
902	490486.72, 3860	8.93E-05	2.82E-08	1.20E-08	1.09E-04	3.45E-08	1.47E-08	9.59E-05	3.03E-08	1.28E-08
903	490536.72, 3860	8.94E-05	2.82E-08	1.20E-08	1.10E-04	3.46E-08	1.47E-08	9.60E-05	3.03E-08	1.29E-08
904	490586.72, 3860	8.95E-05	2.82E-08	1.20E-08	1.10E-04	3.46E-08	1.47E-08	9.61E-05	3.03E-08	1.29E-08
905	490636.72, 3860	8.95E-05	2.82E-08	1.20E-08	1.10E-04	3.46E-08	1.47E-08	9.61E-05	3.03E-08	1.29E-08
906	490686.72, 3860	8.95E-05	2.82E-08	1.20E-08	1.10E-04	3.46E-08	1.47E-08	9.61E-05	3.03E-08	1.29E-08
907	490736.72, 3860	8.95E-05	2.83E-08	1.20E-08	1.10E-04	3.46E-08	1.47E-08	9.62E-05	3.03E-08	1.29E-08
908	490086.72, 3860	8.61E-05	2.72E-08	1.15E-08	1.06E-04	3.33E-08	1.41E-08	9.25E-05	2.92E-08	1.24E-08
909	490136.72, 3860	8.61E-05	2.72E-08	1.15E-08	1.06E-04	3.33E-08	1.41E-08	9.25E-05	2.92E-08	1.24E-08
910	490186.72, 3860	8.63E-05	2.72E-08	1.16E-08	1.06E-04	3.34E-08	1.42E-08	9.27E-05	2.93E-08	1.24E-08
911	490236.72, 3860	8.65E-05	2.73E-08	1.16E-08	1.06E-04	3.34E-08	1.42E-08	9.28E-05	2.93E-08	1.24E-08
912	490286.72, 3860	8.66E-05	2.73E-08	1.16E-08	1.06E-04	3.35E-08	1.42E-08	9.30E-05	2.94E-08	1.25E-08
913	490336.72, 3860	8.66E-05	2.73E-08	1.16E-08	1.06E-04	3.35E-08	1.42E-08	9.30E-05	2.94E-08	1.25E-08
914	490386.72, 3860	8.68E-05	2.74E-08	1.16E-08	1.06E-04	3.36E-08	1.42E-08	9.33E-05	2.94E-08	1.25E-08
915	490436.72, 3860	8.70E-05	2.75E-08	1.17E-08	1.07E-04	3.36E-08	1.43E-08	9.35E-05	2.95E-08	1.25E-08
916	490486.72, 3860	8.71E-05	2.75E-08	1.17E-08	1.07E-04	3.37E-08	1.43E-08	9.36E-05	2.95E-08	1.25E-08
917	490536.72, 3860	8.73E-05	2.75E-08	1.17E-08	1.07E-04	3.37E-08	1.43E-08	9.37E-05	2.96E-08	1.26E-08
918	490586.72, 3860	8.73E-05	2.76E-08	1.17E-08	1.07E-04	3.38E-08	1.43E-08	9.38E-05	2.96E-08	1.26E-08
919	490636.72, 3860	8.74E-05	2.76E-08	1.17E-08	1.07E-04	3.38E-08	1.43E-08	9.38E-05	2.96E-08	1.26E-08
920	490686.72, 3860	8.74E-05	2.76E-08	1.17E-08	1.07E-04	3.38E-08	1.43E-08	9.39E-05	2.96E-08	1.26E-08
921	490736.72, 3860	8.75E-05	2.76E-08	1.17E-08	1.07E-04	3.38E-08	1.43E-08	9.39E-05	2.96E-08	1.26E-08
922	490786.72, 3860	8.75E-05	2.76E-08	1.17E-08	1.07E-04	3.38E-08	1.44E-08	9.40E-05	2.97E-08	1.26E-08
923	490836.72, 3860	8.76E-05	2.77E-08	1.17E-08	1.07E-04	3.39E-08	1.44E-08	9.41E-05	2.97E-08	1.26E-08
924	490086.72, 3860	8.42E-05	2.66E-08	1.13E-08	1.03E-04	3.25E-08	1.38E-08	9.04E-05	2.85E-08	1.21E-08

925	490136.72, 3860	8.43E-05	2.66E-08	1.13E-08	1.03E-04	3.26E-08	1.38E-08	9.05E-05	2.86E-08	1.21E-08
926	490186.72, 3860	8.44E-05	2.66E-08	1.13E-08	1.03E-04	3.26E-08	1.38E-08	9.07E-05	2.86E-08	1.21E-08
927	490236.72, 3860	8.44E-05	2.67E-08	1.13E-08	1.03E-04	3.26E-08	1.38E-08	9.07E-05	2.86E-08	1.21E-08
928	490286.72, 3860	8.45E-05	2.67E-08	1.13E-08	1.04E-04	3.27E-08	1.39E-08	9.08E-05	2.86E-08	1.22E-08
929	490336.72, 3860	8.46E-05	2.67E-08	1.13E-08	1.04E-04	3.27E-08	1.39E-08	9.09E-05	2.87E-08	1.22E-08
930	490386.72, 3860	8.48E-05	2.68E-08	1.14E-08	1.04E-04	3.28E-08	1.39E-08	9.10E-05	2.87E-08	1.22E-08
931	490436.72, 3860	8.50E-05	2.68E-08	1.14E-08	1.04E-04	3.29E-08	1.39E-08	9.13E-05	2.88E-08	1.22E-08
932	490486.72, 3860	8.51E-05	2.69E-08	1.14E-08	1.04E-04	3.29E-08	1.40E-08	9.14E-05	2.89E-08	1.22E-08
933	490536.72, 3860	8.52E-05	2.69E-08	1.14E-08	1.04E-04	3.29E-08	1.40E-08	9.15E-05	2.89E-08	1.23E-08
934	490586.72, 3860	8.52E-05	2.69E-08	1.14E-08	1.04E-04	3.30E-08	1.40E-08	9.15E-05	2.89E-08	1.23E-08
935	490636.72, 3860	8.54E-05	2.69E-08	1.14E-08	1.05E-04	3.30E-08	1.40E-08	9.17E-05	2.89E-08	1.23E-08
936	490686.72, 3860	8.54E-05	2.70E-08	1.14E-08	1.05E-04	3.30E-08	1.40E-08	9.17E-05	2.90E-08	1.23E-08
937	490736.72, 3860	8.54E-05	2.70E-08	1.14E-08	1.05E-04	3.30E-08	1.40E-08	9.18E-05	2.90E-08	1.23E-08
938	490786.72, 3860	8.55E-05	2.70E-08	1.15E-08	1.05E-04	3.31E-08	1.40E-08	9.18E-05	2.90E-08	1.23E-08
939	490836.72, 3860	8.56E-05	2.70E-08	1.15E-08	1.05E-04	3.31E-08	1.40E-08	9.20E-05	2.90E-08	1.23E-08
940	490086.72, 3861	8.23E-05	2.60E-08	1.10E-08	1.01E-04	3.18E-08	1.35E-08	8.83E-05	2.79E-08	1.18E-08
941	490136.72, 3861	8.24E-05	2.60E-08	1.10E-08	1.01E-04	3.18E-08	1.35E-08	8.85E-05	2.79E-08	1.18E-08
942	490186.72, 3861	8.24E-05	2.60E-08	1.10E-08	1.01E-04	3.19E-08	1.35E-08	8.85E-05	2.79E-08	1.19E-08
943	490236.72, 3861	8.26E-05	2.61E-08	1.11E-08	1.01E-04	3.19E-08	1.35E-08	8.87E-05	2.80E-08	1.19E-08
944	490286.72, 3861	8.26E-05	2.61E-08	1.11E-08	1.01E-04	3.19E-08	1.35E-08	8.87E-05	2.80E-08	1.19E-08
945	490336.72, 3861	8.26E-05	2.61E-08	1.11E-08	1.01E-04	3.19E-08	1.36E-08	8.88E-05	2.80E-08	1.19E-08
946	490386.72, 3861	8.29E-05	2.62E-08	1.11E-08	1.01E-04	3.20E-08	1.36E-08	8.90E-05	2.81E-08	1.19E-08
947	490436.72, 3861	8.31E-05	2.62E-08	1.11E-08	1.02E-04	3.21E-08	1.36E-08	8.92E-05	2.82E-08	1.19E-08
948	490486.72, 3861	8.32E-05	2.63E-08	1.11E-08	1.02E-04	3.22E-08	1.36E-08	8.93E-05	2.82E-08	1.20E-08
949	490536.72, 3861	8.33E-05	2.63E-08	1.11E-08	1.02E-04	3.22E-08	1.37E-08	8.94E-05	2.82E-08	1.20E-08
950	490586.72, 3861	8.33E-05	2.63E-08	1.12E-08	1.02E-04	3.22E-08	1.37E-08	8.95E-05	2.82E-08	1.20E-08
951	490636.72, 3861	8.34E-05	2.63E-08	1.12E-08	1.02E-04	3.22E-08	1.37E-08	8.95E-05	2.83E-08	1.20E-08
952	490686.72, 3861	8.34E-05	2.63E-08	1.12E-08	1.02E-04	3.22E-08	1.37E-08	8.96E-05	2.83E-08	1.20E-08
953	490736.72, 3861	8.35E-05	2.63E-08	1.12E-08	1.02E-04	3.23E-08	1.37E-08	8.96E-05	2.83E-08	1.20E-08
954	490786.72, 3861	8.36E-05	2.64E-08	1.12E-08	1.02E-04	3.23E-08	1.37E-08	8.97E-05	2.83E-08	1.20E-08
955	490836.72, 3861	8.37E-05	2.64E-08	1.12E-08	1.03E-04	3.24E-08	1.37E-08	8.99E-05	2.84E-08	1.20E-08
956	490086.72, 3861	8.04E-05	2.54E-08	1.08E-08	9.85E-05	3.11E-08	1.32E-08	8.64E-05	2.73E-08	1.16E-08
957	490136.72, 3861	8.06E-05	2.54E-08	1.08E-08	9.88E-05	3.12E-08	1.32E-08	8.66E-05	2.73E-08	1.16E-08
958	490186.72, 3861	8.09E-05	2.55E-08	1.08E-08	9.90E-05	3.13E-08	1.33E-08	8.68E-05	2.74E-08	1.16E-08
959	490236.72, 3861	8.08E-05	2.55E-08	1.08E-08	9.90E-05	3.12E-08	1.33E-08	8.68E-05	2.74E-08	1.16E-08
960	490286.72, 3861	8.08E-05	2.55E-08	1.08E-08	9.90E-05	3.13E-08	1.33E-08	8.68E-05	2.74E-08	1.16E-08
961	490336.72, 3861	8.09E-05	2.55E-08	1.08E-08	9.90E-05	3.13E-08	1.33E-08	8.69E-05	2.74E-08	1.16E-08
962	490386.72, 3861	8.11E-05	2.56E-08	1.09E-08	9.93E-05	3.13E-08	1.33E-08	8.70E-05	2.75E-08	1.17E-08
963	490436.72, 3861	8.12E-05	2.56E-08	1.09E-08	9.94E-05	3.14E-08	1.33E-08	8.72E-05	2.75E-08	1.17E-08
964	490486.72, 3861	8.13E-05	2.56E-08	1.09E-08	9.95E-05	3.14E-08	1.33E-08	8.73E-05	2.75E-08	1.17E-08
965	490536.72, 3861	8.14E-05	2.57E-08	1.09E-08	9.97E-05	3.15E-08	1.34E-08	8.75E-05	2.76E-08	1.17E-08
966	490586.72, 3861	8.15E-05	2.57E-08	1.09E-08	9.98E-05	3.15E-08	1.34E-08	8.75E-05	2.76E-08	1.17E-08
967	490636.72, 3861	8.14E-05	2.57E-08	1.09E-08	9.97E-05	3.15E-08	1.34E-08	8.74E-05	2.76E-08	1.17E-08
968	490686.72, 3861	8.15E-05	2.57E-08	1.09E-08	9.98E-05	3.15E-08	1.34E-08	8.75E-05	2.76E-08	1.17E-08
969	490736.72, 3861	8.16E-05	2.57E-08	1.09E-08	9.99E-05	3.15E-08	1.34E-08	8.76E-05	2.76E-08	1.17E-08
970	490786.72, 3861	8.17E-05	2.58E-08	1.09E-08	1.00E-04	3.16E-08	1.34E-08	8.77E-05	2.77E-08	1.17E-08
971	490836.72, 3861	8.18E-05	2.58E-08	1.10E-08	1.00E-04	3.16E-08	1.34E-08	8.78E-05	2.77E-08	1.18E-08
972	490086.72, 3861	7.87E-05	2.48E-08	1.05E-08	9.64E-05	3.04E-08	1.29E-08	8.45E-05	2.67E-08	1.13E-08
973	490136.72, 3861	7.88E-05	2.49E-08	1.06E-08	9.66E-05	3.05E-08	1.29E-08	8.47E-05	2.67E-08	1.13E-08
974	490186.72, 3861	7.90E-05	2.49E-08	1.06E-08	9.68E-05	3.05E-08	1.30E-08	8.49E-05	2.68E-08	1.14E-08
975	490236.72, 3861	7.91E-05	2.50E-08	1.06E-08	9.69E-05	3.06E-08	1.30E-08	8.50E-05	2.68E-08	1.14E-08
976	490286.72, 3861	7.92E-05	2.50E-08	1.06E-08	9.70E-05	3.06E-08	1.30E-08	8.50E-05	2.68E-08	1.14E-08
977	490336.72, 3861	7.92E-05	2.50E-08	1.06E-08	9.70E-05	3.06E-08	1.30E-08	8.51E-05	2.69E-08	1.14E-08
978	490386.72, 3861	7.93E-05	2.50E-08	1.06E-08	9.71E-05	3.07E-08	1.30E-08	8.52E-05	2.69E-08	1.14E-08
979	490436.72, 3861	7.94E-05	2.51E-08	1.06E-08	9.72E-05	3.07E-08	1.30E-08	8.53E-05	2.69E-08	1.14E-08
980	490486.72, 3861	7.95E-05	2.51E-08	1.06E-08	9.74E-05	3.07E-08	1.30E-08	8.54E-05	2.69E-08	1.14E-08
981	490536.72, 3861	7.96E-05	2.51E-08	1.07E-08	9.75E-05	3.08E-08	1.31E-08	8.55E-05	2.70E-08	1.14E-08
982	490586.72, 3861	7.96E-05	2.51E-08	1.07E-08	9.75E-05	3.08E-08	1.31E-08	8.55E-05	2.70E-08	1.15E-08

983	490636.72, 3861	7.96E-05	2.51E-08	1.07E-08	9.75E-05	3.08E-08	1.31E-08	8.55E-05	2.70E-08	1.15E-08
984	490686.72, 3861	7.97E-05	2.52E-08	1.07E-08	9.76E-05	3.08E-08	1.31E-08	8.56E-05	2.70E-08	1.15E-08
985	490736.72, 3861	7.98E-05	2.52E-08	1.07E-08	9.78E-05	3.09E-08	1.31E-08	8.57E-05	2.71E-08	1.15E-08
986	490786.72, 3861	7.99E-05	2.52E-08	1.07E-08	9.79E-05	3.09E-08	1.31E-08	8.58E-05	2.71E-08	1.15E-08
987	490836.72, 3861	8.00E-05	2.52E-08	1.07E-08	9.80E-05	3.09E-08	1.31E-08	8.59E-05	2.71E-08	1.15E-08
988	490086.72, 3861	7.70E-05	2.43E-08	1.03E-08	9.43E-05	2.98E-08	1.26E-08	8.27E-05	2.61E-08	1.11E-08
989	490136.72, 3861	7.70E-05	2.43E-08	1.03E-08	9.43E-05	2.98E-08	1.26E-08	8.27E-05	2.61E-08	1.11E-08
990	490186.72, 3861	7.72E-05	2.44E-08	1.03E-08	9.45E-05	2.98E-08	1.27E-08	8.29E-05	2.62E-08	1.11E-08
991	490236.72, 3861	7.73E-05	2.44E-08	1.04E-08	9.47E-05	2.99E-08	1.27E-08	8.30E-05	2.62E-08	1.11E-08
992	490286.72, 3861	7.75E-05	2.45E-08	1.04E-08	9.49E-05	3.00E-08	1.27E-08	8.32E-05	2.63E-08	1.11E-08
993	490336.72, 3861	7.74E-05	2.44E-08	1.04E-08	9.48E-05	2.99E-08	1.27E-08	8.31E-05	2.62E-08	1.11E-08
994	490386.72, 3861	7.75E-05	2.45E-08	1.04E-08	9.49E-05	3.00E-08	1.27E-08	8.32E-05	2.63E-08	1.11E-08
995	490436.72, 3861	7.77E-05	2.45E-08	1.04E-08	9.51E-05	3.00E-08	1.27E-08	8.34E-05	2.63E-08	1.12E-08
996	490486.72, 3861	7.77E-05	2.45E-08	1.04E-08	9.52E-05	3.00E-08	1.27E-08	8.35E-05	2.63E-08	1.12E-08
997	490536.72, 3861	7.80E-05	2.46E-08	1.04E-08	9.55E-05	3.01E-08	1.28E-08	8.37E-05	2.64E-08	1.12E-08
998	490586.72, 3861	7.80E-05	2.46E-08	1.04E-08	9.55E-05	3.01E-08	1.28E-08	8.37E-05	2.64E-08	1.12E-08
999	490636.72, 3861	7.79E-05	2.46E-08	1.04E-08	9.54E-05	3.01E-08	1.28E-08	8.36E-05	2.64E-08	1.12E-08
1000	490686.72, 3861	7.79E-05	2.46E-08	1.04E-08	9.54E-05	3.01E-08	1.28E-08	8.37E-05	2.64E-08	1.12E-08
1001	490736.72, 3861	7.81E-05	2.47E-08	1.05E-08	9.57E-05	3.02E-08	1.28E-08	8.39E-05	2.65E-08	1.12E-08
1002	490786.72, 3861	7.82E-05	2.47E-08	1.05E-08	9.58E-05	3.02E-08	1.28E-08	8.40E-05	2.65E-08	1.13E-08
1003	490836.72, 3861	7.83E-05	2.47E-08	1.05E-08	9.59E-05	3.03E-08	1.28E-08	8.41E-05	2.65E-08	1.13E-08
1004	490086.72, 3861	7.53E-05	2.38E-08	1.01E-08	9.22E-05	2.91E-08	1.24E-08	8.09E-05	2.55E-08	1.08E-08
1005	490136.72, 3861	7.54E-05	2.38E-08	1.01E-08	9.23E-05	2.91E-08	1.24E-08	8.10E-05	2.56E-08	1.08E-08
1006	490186.72, 3861	7.55E-05	2.38E-08	1.01E-08	9.25E-05	2.92E-08	1.24E-08	8.11E-05	2.56E-08	1.09E-08
1007	490236.72, 3861	7.56E-05	2.38E-08	1.01E-08	9.25E-05	2.92E-08	1.24E-08	8.11E-05	2.56E-08	1.09E-08
1008	490386.72, 3861	7.58E-05	2.39E-08	1.01E-08	9.28E-05	2.93E-08	1.24E-08	8.14E-05	2.57E-08	1.09E-08
1009	490436.72, 3861	7.58E-05	2.39E-08	1.01E-08	9.28E-05	2.93E-08	1.24E-08	8.14E-05	2.57E-08	1.09E-08
1010	490486.72, 3861	7.59E-05	2.39E-08	1.02E-08	9.29E-05	2.93E-08	1.24E-08	8.15E-05	2.57E-08	1.09E-08
1011	490536.72, 3861	7.62E-05	2.41E-08	1.02E-08	9.34E-05	2.95E-08	1.25E-08	8.19E-05	2.58E-08	1.10E-08
1012	490586.72, 3861	7.64E-05	2.41E-08	1.02E-08	9.36E-05	2.95E-08	1.25E-08	8.21E-05	2.59E-08	1.10E-08
1013	490636.72, 3861	7.62E-05	2.40E-08	1.02E-08	9.33E-05	2.95E-08	1.25E-08	8.18E-05	2.58E-08	1.10E-08
1014	490686.72, 3861	7.63E-05	2.41E-08	1.02E-08	9.34E-05	2.95E-08	1.25E-08	8.19E-05	2.59E-08	1.10E-08
1015	490736.72, 3861	7.64E-05	2.41E-08	1.02E-08	9.36E-05	2.95E-08	1.25E-08	8.21E-05	2.59E-08	1.10E-08
1016	490786.72, 3861	7.66E-05	2.42E-08	1.03E-08	9.38E-05	2.96E-08	1.26E-08	8.23E-05	2.60E-08	1.10E-08
1017	490836.72, 3861	7.67E-05	2.42E-08	1.03E-08	9.39E-05	2.96E-08	1.26E-08	8.24E-05	2.60E-08	1.10E-08
1018	490086.72, 3861	7.38E-05	2.33E-08	9.89E-09	9.04E-05	2.85E-08	1.21E-08	7.93E-05	2.50E-08	1.06E-08
1019	490136.72, 3861	7.40E-05	2.34E-08	9.91E-09	9.07E-05	2.86E-08	1.21E-08	7.95E-05	2.51E-08	1.06E-08
1020	490186.72, 3861	7.40E-05	2.34E-08	9.91E-09	9.06E-05	2.86E-08	1.21E-08	7.95E-05	2.51E-08	1.06E-08
1021	490236.72, 3861	7.40E-05	2.34E-08	9.92E-09	9.07E-05	2.86E-08	1.21E-08	7.95E-05	2.51E-08	1.06E-08
1022	490386.72, 3861	7.42E-05	2.34E-08	9.94E-09	9.09E-05	2.87E-08	1.22E-08	7.97E-05	2.51E-08	1.07E-08
1023	490436.72, 3861	7.43E-05	2.35E-08	9.95E-09	9.10E-05	2.87E-08	1.22E-08	7.98E-05	2.52E-08	1.07E-08
1024	490486.72, 3861	7.43E-05	2.35E-08	9.95E-09	9.10E-05	2.87E-08	1.22E-08	7.98E-05	2.52E-08	1.07E-08
1025	490536.72, 3861	7.44E-05	2.35E-08	9.97E-09	9.12E-05	2.88E-08	1.22E-08	7.99E-05	2.52E-08	1.07E-08
1026	490586.72, 3861	7.46E-05	2.35E-08	9.99E-09	9.13E-05	2.88E-08	1.22E-08	8.01E-05	2.53E-08	1.07E-08
1027	490636.72, 3861	7.45E-05	2.35E-08	9.98E-09	9.13E-05	2.88E-08	1.22E-08	8.00E-05	2.53E-08	1.07E-08
1028	490686.72, 3861	7.46E-05	2.35E-08	9.99E-09	9.14E-05	2.88E-08	1.22E-08	8.01E-05	2.53E-08	1.07E-08
1029	490736.72, 3861	7.49E-05	2.36E-08	1.00E-08	9.17E-05	2.89E-08	1.23E-08	8.04E-05	2.54E-08	1.08E-08
1030	490786.72, 3861	7.49E-05	2.37E-08	1.00E-08	9.18E-05	2.90E-08	1.23E-08	8.05E-05	2.54E-08	1.08E-08
1031	490836.72, 3861	7.50E-05	2.37E-08	1.00E-08	9.18E-05	2.90E-08	1.23E-08	8.05E-05	2.54E-08	1.08E-08
1032	490061.24, 3859	1.69E-04	5.34E-08	2.26E-08	2.07E-04	6.53E-08	2.77E-08	1.82E-04	5.73E-08	2.43E-08
1033	490111.24, 3859	1.68E-04	5.31E-08	2.25E-08	2.06E-04	6.51E-08	2.76E-08	1.81E-04	5.71E-08	2.42E-08
1034	490161.24, 3859	1.68E-04	5.29E-08	2.25E-08	2.05E-04	6.48E-08	2.75E-08	1.80E-04	5.68E-08	2.41E-08
1035	490211.24, 3859	1.67E-04	5.27E-08	2.24E-08	2.05E-04	6.46E-08	2.74E-08	1.79E-04	5.66E-08	2.40E-08
1036	490061.24, 3859	1.64E-04	5.17E-08	2.19E-08	2.00E-04	6.33E-08	2.68E-08	1.76E-04	5.55E-08	2.35E-08
1037	490111.24, 3859	1.63E-04	5.13E-08	2.18E-08	1.99E-04	6.29E-08	2.67E-08	1.75E-04	5.52E-08	2.34E-08
1038	490161.24, 3859	1.62E-04	5.10E-08	2.17E-08	1.98E-04	6.25E-08	2.65E-08	1.74E-04	5.48E-08	2.33E-08
1039	490211.24, 3859	1.61E-04	5.08E-08	2.16E-08	1.97E-04	6.23E-08	2.64E-08	1.73E-04	5.46E-08	2.32E-08
1040	490061.24, 3859	1.59E-04	5.01E-08	2.13E-08	1.95E-04	6.14E-08	2.60E-08	1.71E-04	5.38E-08	2.28E-08

1041	490111.24, 3859	1.58E-04	4.98E-08	2.11E-08	1.93E-04	6.09E-08	2.59E-08	1.69E-04	5.35E-08	2.27E-08
1042	490161.24, 3859	1.57E-04	4.94E-08	2.10E-08	1.92E-04	6.05E-08	2.57E-08	1.68E-04	5.31E-08	2.25E-08
1043	490211.24, 3859	1.56E-04	4.92E-08	2.09E-08	1.91E-04	6.02E-08	2.55E-08	1.67E-04	5.28E-08	2.24E-08
1044	490061.24, 3859	1.54E-04	4.87E-08	2.07E-08	1.89E-04	5.97E-08	2.53E-08	1.66E-04	5.23E-08	2.22E-08
1045	490111.24, 3859	1.53E-04	4.84E-08	2.05E-08	1.88E-04	5.92E-08	2.51E-08	1.65E-04	5.19E-08	2.20E-08
1046	490161.24, 3859	1.52E-04	4.80E-08	2.04E-08	1.86E-04	5.88E-08	2.50E-08	1.63E-04	5.16E-08	2.19E-08
1047	490211.24, 3859	1.51E-04	4.77E-08	2.02E-08	1.85E-04	5.85E-08	2.48E-08	1.62E-04	5.13E-08	2.18E-08
1048	490061.24, 3859	1.50E-04	4.74E-08	2.01E-08	1.84E-04	5.80E-08	2.46E-08	1.61E-04	5.09E-08	2.16E-08
1049	490111.24, 3859	1.49E-04	4.71E-08	2.00E-08	1.83E-04	5.76E-08	2.45E-08	1.60E-04	5.05E-08	2.14E-08
1050	490161.24, 3859	1.48E-04	4.67E-08	1.98E-08	1.81E-04	5.72E-08	2.43E-08	1.59E-04	5.02E-08	2.13E-08
1051	490211.24, 3859	1.47E-04	4.64E-08	1.97E-08	1.80E-04	5.68E-08	2.41E-08	1.58E-04	4.98E-08	2.11E-08
1052	490229.25, 3859	1.56E-04	4.91E-08	2.08E-08	1.91E-04	6.02E-08	2.55E-08	1.67E-04	5.28E-08	2.24E-08
1053	490279.25, 3859	1.55E-04	4.89E-08	2.07E-08	1.90E-04	5.99E-08	2.54E-08	1.66E-04	5.25E-08	2.23E-08
1054	490329.25, 3859	1.54E-04	4.87E-08	2.07E-08	1.89E-04	5.96E-08	2.53E-08	1.66E-04	5.23E-08	2.22E-08
1055	490379.25, 3859	1.54E-04	4.86E-08	2.06E-08	1.89E-04	5.95E-08	2.53E-08	1.65E-04	5.22E-08	2.21E-08
1056	490429.25, 3859	1.54E-04	4.86E-08	2.06E-08	1.89E-04	5.95E-08	2.53E-08	1.65E-04	5.22E-08	2.22E-08
1057	490229.25, 3859	1.51E-04	4.76E-08	2.02E-08	1.85E-04	5.84E-08	2.48E-08	1.62E-04	5.12E-08	2.17E-08
1058	490279.25, 3859	1.50E-04	4.74E-08	2.01E-08	1.84E-04	5.80E-08	2.46E-08	1.61E-04	5.09E-08	2.16E-08
1059	490329.25, 3859	1.49E-04	4.71E-08	2.00E-08	1.83E-04	5.77E-08	2.45E-08	1.60E-04	5.06E-08	2.15E-08
1060	490379.25, 3859	1.49E-04	4.69E-08	1.99E-08	1.82E-04	5.75E-08	2.44E-08	1.60E-04	5.04E-08	2.14E-08
1061	490429.25, 3859	1.48E-04	4.68E-08	1.99E-08	1.82E-04	5.74E-08	2.43E-08	1.59E-04	5.03E-08	2.13E-08
1062	490229.25, 3859	1.47E-04	4.63E-08	1.97E-08	1.80E-04	5.67E-08	2.41E-08	1.58E-04	4.98E-08	2.11E-08
1063	490279.25, 3859	1.46E-04	4.60E-08	1.95E-08	1.78E-04	5.63E-08	2.39E-08	1.57E-04	4.94E-08	2.10E-08
1064	490329.25, 3859	1.45E-04	4.57E-08	1.94E-08	1.77E-04	5.60E-08	2.38E-08	1.56E-04	4.91E-08	2.08E-08
1065	490379.25, 3859	1.44E-04	4.55E-08	1.93E-08	1.77E-04	5.57E-08	2.36E-08	1.55E-04	4.89E-08	2.07E-08
1066	490429.25, 3859	1.44E-04	4.53E-08	1.92E-08	1.76E-04	5.55E-08	2.35E-08	1.54E-04	4.87E-08	2.06E-08
1067	490451.43, 3859	1.47E-04	4.65E-08	1.97E-08	1.81E-04	5.70E-08	2.42E-08	1.58E-04	5.00E-08	2.12E-08
1068	490501.43, 3859	1.47E-04	4.65E-08	1.97E-08	1.81E-04	5.70E-08	2.42E-08	1.58E-04	5.00E-08	2.12E-08
1069	490551.43, 3859	1.48E-04	4.66E-08	1.98E-08	1.81E-04	5.71E-08	2.42E-08	1.59E-04	5.01E-08	2.13E-08
1070	490601.43, 3859	1.48E-04	4.67E-08	1.98E-08	1.81E-04	5.72E-08	2.43E-08	1.59E-04	5.02E-08	2.13E-08
1071	490451.43, 3859	1.43E-04	4.50E-08	1.91E-08	1.75E-04	5.51E-08	2.34E-08	1.53E-04	4.84E-08	2.05E-08
1072	490501.43, 3859	1.42E-04	4.49E-08	1.91E-08	1.74E-04	5.50E-08	2.33E-08	1.53E-04	4.82E-08	2.05E-08
1073	490551.43, 3859	1.42E-04	4.49E-08	1.91E-08	1.74E-04	5.50E-08	2.34E-08	1.53E-04	4.83E-08	2.05E-08
1074	490601.43, 3859	1.43E-04	4.50E-08	1.91E-08	1.75E-04	5.51E-08	2.34E-08	1.53E-04	4.83E-08	2.05E-08
1075	482129.67, 3852	8.34E-05	2.63E-08	1.12E-08	1.02E-04	3.22E-08	1.37E-08	8.96E-05	2.83E-08	1.20E-08
1076	482029.67, 3852	8.48E-05	2.68E-08	1.14E-08	1.04E-04	3.28E-08	1.39E-08	9.11E-05	2.88E-08	1.22E-08
1077	482079.67, 3852	8.52E-05	2.69E-08	1.14E-08	1.04E-04	3.29E-08	1.40E-08	9.15E-05	2.89E-08	1.23E-08
1078	482129.67, 3852	8.54E-05	2.69E-08	1.14E-08	1.05E-04	3.30E-08	1.40E-08	9.18E-05	2.90E-08	1.23E-08
1079	482179.67, 3852	8.54E-05	2.70E-08	1.14E-08	1.05E-04	3.30E-08	1.40E-08	9.18E-05	2.90E-08	1.23E-08
1080	482229.67, 3852	8.52E-05	2.69E-08	1.14E-08	1.04E-04	3.29E-08	1.40E-08	9.15E-05	2.89E-08	1.23E-08
1081	482029.67, 3852	8.62E-05	2.72E-08	1.15E-08	1.06E-04	3.33E-08	1.41E-08	9.26E-05	2.92E-08	1.24E-08
1082	482079.67, 3852	8.69E-05	2.74E-08	1.16E-08	1.06E-04	3.36E-08	1.42E-08	9.33E-05	2.95E-08	1.25E-08
1083	482129.67, 3852	8.72E-05	2.75E-08	1.17E-08	1.07E-04	3.37E-08	1.43E-08	9.38E-05	2.96E-08	1.26E-08
1084	482179.67, 3852	8.75E-05	2.76E-08	1.17E-08	1.07E-04	3.38E-08	1.44E-08	9.41E-05	2.97E-08	1.26E-08
1085	482259.06, 3852	8.95E-05	2.83E-08	1.20E-08	1.10E-04	3.46E-08	1.47E-08	9.62E-05	3.04E-08	1.29E-08
1086	482309.06, 3852	9.00E-05	2.84E-08	1.20E-08	1.10E-04	3.48E-08	1.48E-08	9.67E-05	3.05E-08	1.30E-08
1087	482209.06, 3852	9.13E-05	2.88E-08	1.22E-08	1.12E-04	3.53E-08	1.50E-08	9.81E-05	3.10E-08	1.31E-08
1088	482259.06, 3852	9.17E-05	2.89E-08	1.23E-08	1.12E-04	3.54E-08	1.50E-08	9.85E-05	3.11E-08	1.32E-08
1089	482309.06, 3852	9.23E-05	2.91E-08	1.24E-08	1.13E-04	3.57E-08	1.51E-08	9.92E-05	3.13E-08	1.33E-08
1090	482209.06, 3852	9.33E-05	2.94E-08	1.25E-08	1.14E-04	3.61E-08	1.53E-08	1.00E-04	3.16E-08	1.34E-08
1091	482259.06, 3852	9.39E-05	2.96E-08	1.26E-08	1.15E-04	3.63E-08	1.54E-08	1.01E-04	3.18E-08	1.35E-08
1092	482309.06, 3852	9.44E-05	2.98E-08	1.26E-08	1.16E-04	3.65E-08	1.55E-08	1.01E-04	3.20E-08	1.36E-08
1093	482283.91, 3852	9.47E-05	2.99E-08	1.27E-08	1.16E-04	3.66E-08	1.55E-08	1.02E-04	3.21E-08	1.36E-08
1094	482333.91, 3852	9.51E-05	3.00E-08	1.27E-08	1.17E-04	3.68E-08	1.56E-08	1.02E-04	3.23E-08	1.37E-08
1095	482283.91, 3852	9.66E-05	3.05E-08	1.29E-08	1.18E-04	3.74E-08	1.59E-08	1.04E-04	3.28E-08	1.39E-08
1096	482333.91, 3852	9.71E-05	3.06E-08	1.30E-08	1.19E-04	3.75E-08	1.59E-08	1.04E-04	3.29E-08	1.40E-08
1097	482383.91, 3852	9.74E-05	3.07E-08	1.30E-08	1.19E-04	3.77E-08	1.60E-08	1.05E-04	3.30E-08	1.40E-08
1098	482283.91, 3852	9.91E-05	3.13E-08	1.33E-08	1.21E-04	3.83E-08	1.63E-08	1.06E-04	3.36E-08	1.43E-08

1099	482333.91, 3852	9.94E-05	3.14E-08	1.33E-08	1.22E-04	3.84E-08	1.63E-08	1.07E-04	3.37E-08	1.43E-08
1100	482383.91, 3852	9.96E-05	3.14E-08	1.33E-08	1.22E-04	3.85E-08	1.63E-08	1.07E-04	3.38E-08	1.43E-08
1101	482602.38, 3852	1.02E-04	3.21E-08	1.36E-08	1.24E-04	3.93E-08	1.67E-08	1.09E-04	3.45E-08	1.46E-08
1102	482652.38, 3852	1.02E-04	3.21E-08	1.36E-08	1.25E-04	3.94E-08	1.67E-08	1.09E-04	3.45E-08	1.47E-08
1103	482702.38, 3852	1.01E-04	3.19E-08	1.35E-08	1.24E-04	3.91E-08	1.66E-08	1.09E-04	3.43E-08	1.46E-08
1104	482552.38, 3852	1.04E-04	3.29E-08	1.39E-08	1.28E-04	4.03E-08	1.71E-08	1.12E-04	3.53E-08	1.50E-08
1105	482602.38, 3852	1.05E-04	3.30E-08	1.40E-08	1.28E-04	4.05E-08	1.72E-08	1.13E-04	3.55E-08	1.51E-08
1106	482652.38, 3852	1.05E-04	3.32E-08	1.41E-08	1.29E-04	4.06E-08	1.72E-08	1.13E-04	3.57E-08	1.51E-08
1107	482702.38, 3852	1.05E-04	3.32E-08	1.41E-08	1.29E-04	4.07E-08	1.73E-08	1.13E-04	3.57E-08	1.52E-08
1108	482552.38, 3852	1.07E-04	3.37E-08	1.43E-08	1.31E-04	4.13E-08	1.75E-08	1.15E-04	3.63E-08	1.54E-08
1109	482602.38, 3852	1.08E-04	3.40E-08	1.44E-08	1.32E-04	4.16E-08	1.77E-08	1.16E-04	3.65E-08	1.55E-08
1110	482652.38, 3852	1.08E-04	3.40E-08	1.44E-08	1.32E-04	4.17E-08	1.77E-08	1.16E-04	3.66E-08	1.55E-08
1111	482702.38, 3852	1.09E-04	3.43E-08	1.45E-08	1.33E-04	4.20E-08	1.78E-08	1.17E-04	3.68E-08	1.56E-08
1112	482452.38, 3852	1.08E-04	3.40E-08	1.44E-08	1.32E-04	4.17E-08	1.77E-08	1.16E-04	3.66E-08	1.55E-08
1113	482521.29, 3852	1.09E-04	3.44E-08	1.46E-08	1.33E-04	4.21E-08	1.79E-08	1.17E-04	3.69E-08	1.57E-08
1114	482571.29, 3852	1.10E-04	3.46E-08	1.47E-08	1.34E-04	4.24E-08	1.80E-08	1.18E-04	3.72E-08	1.58E-08
1115	482521.29, 3852	1.12E-04	3.52E-08	1.49E-08	1.37E-04	4.31E-08	1.83E-08	1.20E-04	3.78E-08	1.61E-08
1116	482571.29, 3852	1.12E-04	3.55E-08	1.51E-08	1.38E-04	4.35E-08	1.85E-08	1.21E-04	3.82E-08	1.62E-08
1117	482621.29, 3852	1.14E-04	3.59E-08	1.52E-08	1.39E-04	4.39E-08	1.86E-08	1.22E-04	3.86E-08	1.64E-08
1118	482571.29, 3852	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.47E-08	1.90E-08	1.24E-04	3.92E-08	1.67E-08
1119	482621.29, 3852	1.17E-04	3.70E-08	1.57E-08	1.44E-04	4.53E-08	1.92E-08	1.26E-04	3.98E-08	1.69E-08
1120	482577.42, 3852	1.20E-04	3.77E-08	1.60E-08	1.46E-04	4.62E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
1121	482627.42, 3852	1.21E-04	3.83E-08	1.62E-08	1.49E-04	4.69E-08	1.99E-08	1.30E-04	4.11E-08	1.75E-08
1122	482629.96, 3852	1.25E-04	3.96E-08	1.68E-08	1.54E-04	4.85E-08	2.06E-08	1.35E-04	4.25E-08	1.80E-08
1123	482679.96, 3852	1.27E-04	4.02E-08	1.70E-08	1.56E-04	4.92E-08	2.09E-08	1.37E-04	4.32E-08	1.83E-08
1124	482781.63, 3853	1.38E-04	4.37E-08	1.85E-08	1.70E-04	5.35E-08	2.27E-08	1.49E-04	4.70E-08	1.99E-08
1125	482831.63, 3853	1.39E-04	4.39E-08	1.86E-08	1.70E-04	5.38E-08	2.28E-08	1.50E-04	4.72E-08	2.00E-08
1126	482881.63, 3853	1.39E-04	4.39E-08	1.86E-08	1.70E-04	5.38E-08	2.28E-08	1.50E-04	4.72E-08	2.00E-08
1127	482781.63, 3853	1.44E-04	4.54E-08	1.93E-08	1.76E-04	5.56E-08	2.36E-08	1.55E-04	4.88E-08	2.07E-08
1128	482831.63, 3853	1.45E-04	4.57E-08	1.94E-08	1.78E-04	5.60E-08	2.38E-08	1.56E-04	4.92E-08	2.09E-08
1129	482881.63, 3853	1.45E-04	4.58E-08	1.94E-08	1.78E-04	5.61E-08	2.38E-08	1.56E-04	4.92E-08	2.09E-08
1130	482781.63, 3853	1.50E-04	4.72E-08	2.00E-08	1.83E-04	5.79E-08	2.45E-08	1.61E-04	5.08E-08	2.15E-08
1131	482831.63, 3853	1.51E-04	4.77E-08	2.02E-08	1.85E-04	5.84E-08	2.48E-08	1.62E-04	5.13E-08	2.17E-08
1132	482881.63, 3853	1.51E-04	4.77E-08	2.02E-08	1.85E-04	5.85E-08	2.48E-08	1.63E-04	5.13E-08	2.18E-08
1133	482831.63, 3853	1.58E-04	4.98E-08	2.11E-08	1.93E-04	6.10E-08	2.59E-08	1.70E-04	5.36E-08	2.27E-08
1134	482881.63, 3853	1.58E-04	4.99E-08	2.12E-08	1.94E-04	6.11E-08	2.59E-08	1.70E-04	5.37E-08	2.28E-08
1135	484154.84, 3854	5.53E-04	1.74E-07	7.40E-08	6.77E-04	2.14E-07	9.07E-08	5.95E-04	1.88E-07	7.97E-08
1136	484204.84, 3854	5.36E-04	1.69E-07	7.18E-08	6.57E-04	2.07E-07	8.80E-08	5.77E-04	1.82E-07	7.73E-08
1137	484154.84, 3854	5.73E-04	1.81E-07	7.68E-08	7.03E-04	2.22E-07	9.41E-08	6.17E-04	1.95E-07	8.27E-08
1138	484204.84, 3854	5.64E-04	1.78E-07	7.56E-08	6.92E-04	2.18E-07	9.26E-08	6.08E-04	1.92E-07	8.14E-08
1139	484074.19, 3854	9.25E-04	2.92E-07	1.24E-07	1.13E-03	3.58E-07	1.52E-07	9.95E-04	3.14E-07	1.33E-07
1140	484124.19, 3854	8.79E-04	2.77E-07	1.18E-07	1.08E-03	3.40E-07	1.44E-07	9.46E-04	2.99E-07	1.27E-07
1141	484074.19, 3854	1.10E-03	3.48E-07	1.48E-07	1.35E-03	4.26E-07	1.81E-07	1.19E-03	3.75E-07	1.59E-07
1142	484124.19, 3854	1.03E-03	3.25E-07	1.38E-07	1.26E-03	3.98E-07	1.69E-07	1.11E-03	3.50E-07	1.48E-07
1143	485205.11, 3855	4.23E-03	1.33E-06	5.66E-07	5.18E-03	1.64E-06	6.94E-07	4.54E-03	1.43E-06	6.08E-07
1144	485255.11, 3855	3.78E-03	1.19E-06	5.06E-07	4.63E-03	1.46E-06	6.20E-07	4.06E-03	1.28E-06	5.43E-07
1145	485205.11, 3855	4.63E-03	1.46E-06	6.20E-07	5.68E-03	1.79E-06	7.60E-07	4.98E-03	1.57E-06	6.67E-07
1146	485255.11, 3855	4.18E-03	1.32E-06	5.60E-07	5.12E-03	1.62E-06	6.86E-07	4.49E-03	1.42E-06	6.01E-07
1147	485205.11, 3855	5.65E-03	1.78E-06	7.56E-07	6.92E-03	2.18E-06	9.26E-07	6.08E-03	1.92E-06	8.14E-07
1148	485255.11, 3855	4.89E-03	1.54E-06	6.55E-07	5.99E-03	1.89E-06	8.02E-07	5.26E-03	1.66E-06	7.05E-07
1149	485255.11, 3855	5.85E-03	1.85E-06	7.83E-07	7.16E-03	2.26E-06	9.59E-07	6.30E-03	1.99E-06	8.43E-07
1150	485305.11, 3855	5.06E-03	1.60E-06	6.77E-07	6.19E-03	1.96E-06	8.30E-07	5.44E-03	1.72E-06	7.29E-07
1151	485852.5, 38556	3.50E-03	1.11E-06	4.69E-07	4.29E-03	1.35E-06	5.75E-07	3.78E-03	1.19E-06	5.06E-07
1152	485902.5, 38556	3.23E-03	1.02E-06	4.32E-07	3.96E-03	1.25E-06	5.30E-07	3.48E-03	1.10E-06	4.66E-07
1153	485852.5, 38556	3.83E-03	1.21E-06	5.13E-07	4.69E-03	1.48E-06	6.28E-07	4.13E-03	1.30E-06	5.53E-07
1154	485902.5, 38556	3.50E-03	1.10E-06	4.68E-07	4.28E-03	1.35E-06	5.74E-07	3.77E-03	1.19E-06	5.05E-07
1155	485852.5, 38557	4.23E-03	1.33E-06	5.66E-07	5.18E-03	1.63E-06	6.93E-07	4.56E-03	1.44E-06	6.11E-07
1156	485902.5, 38557	3.85E-03	1.22E-06	5.16E-07	4.72E-03	1.49E-06	6.32E-07	4.15E-03	1.31E-06	5.56E-07

1157	485852.5, 38557	4.81E-03	1.52E-06	6.45E-07	5.90E-03	1.86E-06	7.90E-07	5.19E-03	1.64E-06	6.96E-07
1158	485902.5, 38557	4.24E-03	1.34E-06	5.68E-07	5.19E-03	1.64E-06	6.96E-07	4.57E-03	1.44E-06	6.13E-07
1159	486809.46, 3856	3.76E-03	1.19E-06	5.03E-07	4.61E-03	1.45E-06	6.17E-07	4.06E-03	1.28E-06	5.43E-07
1160	486859.46, 3856	3.52E-03	1.11E-06	4.71E-07	4.31E-03	1.36E-06	5.77E-07	3.80E-03	1.20E-06	5.09E-07
1161	486909.46, 3856	3.31E-03	1.04E-06	4.43E-07	4.06E-03	1.28E-06	5.43E-07	3.57E-03	1.13E-06	4.78E-07
1162	486809.46, 3856	4.12E-03	1.30E-06	5.51E-07	5.04E-03	1.59E-06	6.75E-07	4.44E-03	1.40E-06	5.95E-07
1163	486859.46, 3856	3.82E-03	1.21E-06	5.12E-07	4.68E-03	1.48E-06	6.27E-07	4.12E-03	1.30E-06	5.52E-07
1164	486909.46, 3856	3.57E-03	1.13E-06	4.78E-07	4.37E-03	1.38E-06	5.86E-07	3.85E-03	1.22E-06	5.16E-07
1165	486980.94, 3856	2.68E-03	8.45E-07	3.59E-07	3.28E-03	1.04E-06	4.39E-07	2.89E-03	9.12E-07	3.87E-07
1166	487030.94, 3856	2.57E-03	8.10E-07	3.44E-07	3.14E-03	9.92E-07	4.21E-07	2.77E-03	8.73E-07	3.71E-07
1167	486980.94, 3856	2.85E-03	8.98E-07	3.81E-07	3.49E-03	1.10E-06	4.67E-07	3.07E-03	9.69E-07	4.11E-07
1168	487030.94, 3856	2.72E-03	8.57E-07	3.64E-07	3.33E-03	1.05E-06	4.45E-07	2.93E-03	9.25E-07	3.92E-07
1169	487447.18, 3856	2.03E-03	6.40E-07	2.72E-07	2.48E-03	7.84E-07	3.33E-07	2.19E-03	6.90E-07	2.93E-07
1170	487497.18, 3856	1.96E-03	6.20E-07	2.63E-07	2.40E-03	7.59E-07	3.22E-07	2.12E-03	6.68E-07	2.83E-07
1171	487547.18, 3856	1.90E-03	6.00E-07	2.55E-07	2.33E-03	7.35E-07	3.12E-07	2.05E-03	6.47E-07	2.75E-07
1172	487447.18, 3856	2.11E-03	6.66E-07	2.82E-07	2.58E-03	8.15E-07	3.46E-07	2.27E-03	7.18E-07	3.05E-07
1173	487497.18, 3856	2.04E-03	6.43E-07	2.73E-07	2.50E-03	7.88E-07	3.34E-07	2.20E-03	6.94E-07	2.94E-07
1174	487547.18, 3856	1.97E-03	6.22E-07	2.64E-07	2.41E-03	7.62E-07	3.23E-07	2.13E-03	6.71E-07	2.85E-07
1175	487447.18, 3856	2.19E-03	6.93E-07	2.94E-07	2.69E-03	8.48E-07	3.60E-07	2.37E-03	7.47E-07	3.17E-07
1176	487497.18, 3856	2.12E-03	6.68E-07	2.83E-07	2.59E-03	8.18E-07	3.47E-07	2.28E-03	7.20E-07	3.06E-07
1177	487547.18, 3856	2.04E-03	6.45E-07	2.74E-07	2.50E-03	7.90E-07	3.35E-07	2.20E-03	6.95E-07	2.95E-07
1178	489285.89, 3858	7.69E-04	2.43E-07	1.03E-07	9.42E-04	2.97E-07	1.26E-07	8.29E-04	2.62E-07	1.11E-07
1179	489335.89, 3858	7.18E-04	2.27E-07	9.61E-08	8.80E-04	2.78E-07	1.18E-07	7.74E-04	2.44E-07	1.04E-07
1180	489385.89, 3858	6.75E-04	2.13E-07	9.04E-08	8.27E-04	2.61E-07	1.11E-07	7.27E-04	2.30E-07	9.74E-08
1181	489435.89, 3858	6.39E-04	2.02E-07	8.56E-08	7.83E-04	2.47E-07	1.05E-07	6.89E-04	2.17E-07	9.22E-08
1182	489485.89, 3858	6.09E-04	1.92E-07	8.16E-08	7.46E-04	2.36E-07	9.99E-08	6.56E-04	2.07E-07	8.78E-08
1183	489535.89, 3858	5.83E-04	1.84E-07	7.81E-08	7.14E-04	2.25E-07	9.57E-08	6.28E-04	1.98E-07	8.41E-08
1184	489585.89, 3858	5.60E-04	1.77E-07	7.51E-08	6.87E-04	2.17E-07	9.19E-08	6.03E-04	1.90E-07	8.08E-08
1185	489635.89, 3858	5.41E-04	1.71E-07	7.24E-08	6.62E-04	2.09E-07	8.87E-08	5.82E-04	1.84E-07	7.79E-08
1186	489685.89, 3858	5.23E-04	1.65E-07	7.00E-08	6.40E-04	2.02E-07	8.57E-08	5.63E-04	1.78E-07	7.53E-08
1187	489735.89, 3858	5.07E-04	1.60E-07	6.78E-08	6.21E-04	1.96E-07	8.31E-08	5.45E-04	1.72E-07	7.30E-08
1188	489785.89, 3858	4.92E-04	1.55E-07	6.59E-08	6.03E-04	1.90E-07	8.07E-08	5.30E-04	1.67E-07	7.09E-08
1189	489835.89, 3858	4.79E-04	1.51E-07	6.41E-08	5.87E-04	1.85E-07	7.85E-08	5.15E-04	1.63E-07	6.90E-08
1190	489885.89, 3858	4.67E-04	1.47E-07	6.25E-08	5.72E-04	1.80E-07	7.66E-08	5.02E-04	1.59E-07	6.73E-08
1191	489935.89, 3858	4.56E-04	1.44E-07	6.10E-08	5.58E-04	1.76E-07	7.48E-08	4.90E-04	1.55E-07	6.57E-08
1192	489985.89, 3858	4.46E-04	1.41E-07	5.97E-08	5.46E-04	1.72E-07	7.31E-08	4.79E-04	1.51E-07	6.42E-08
1193	490035.89, 3858	4.36E-04	1.38E-07	5.84E-08	5.34E-04	1.69E-07	7.15E-08	4.69E-04	1.48E-07	6.28E-08
1194	489285.89, 3858	7.03E-04	2.22E-07	9.42E-08	8.62E-04	2.72E-07	1.15E-07	7.58E-04	2.39E-07	1.02E-07
1195	489335.89, 3858	6.60E-04	2.08E-07	8.84E-08	8.09E-04	2.55E-07	1.08E-07	7.11E-04	2.25E-07	9.53E-08
1196	489385.89, 3858	6.24E-04	1.97E-07	8.36E-08	7.65E-04	2.41E-07	1.02E-07	6.73E-04	2.12E-07	9.01E-08
1197	489435.89, 3858	5.94E-04	1.87E-07	7.95E-08	7.27E-04	2.30E-07	9.74E-08	6.40E-04	2.02E-07	8.57E-08
1198	489485.89, 3858	5.67E-04	1.79E-07	7.60E-08	6.95E-04	2.19E-07	9.31E-08	6.11E-04	1.93E-07	8.18E-08
1199	489535.89, 3858	5.45E-04	1.72E-07	7.29E-08	6.67E-04	2.11E-07	8.94E-08	5.87E-04	1.85E-07	7.85E-08
1200	489585.89, 3858	5.25E-04	1.66E-07	7.03E-08	6.43E-04	2.03E-07	8.61E-08	5.65E-04	1.78E-07	7.57E-08
1201	489635.89, 3858	5.08E-04	1.60E-07	6.80E-08	6.22E-04	1.96E-07	8.33E-08	5.46E-04	1.72E-07	7.32E-08
1202	489685.89, 3858	4.92E-04	1.55E-07	6.59E-08	6.03E-04	1.90E-07	8.07E-08	5.30E-04	1.67E-07	7.09E-08
1203	489735.89, 3858	4.78E-04	1.51E-07	6.40E-08	5.86E-04	1.85E-07	7.84E-08	5.14E-04	1.62E-07	6.89E-08
1204	489785.89, 3858	4.65E-04	1.47E-07	6.23E-08	5.70E-04	1.80E-07	7.63E-08	5.01E-04	1.58E-07	6.70E-08
1205	489835.89, 3858	4.54E-04	1.43E-07	6.07E-08	5.56E-04	1.75E-07	7.44E-08	4.88E-04	1.54E-07	6.54E-08
1206	489885.89, 3858	4.43E-04	1.40E-07	5.93E-08	5.43E-04	1.71E-07	7.27E-08	4.77E-04	1.50E-07	6.38E-08
1207	489935.89, 3858	4.33E-04	1.37E-07	5.80E-08	5.31E-04	1.67E-07	7.11E-08	4.66E-04	1.47E-07	6.24E-08
1208	489985.89, 3858	4.24E-04	1.34E-07	5.68E-08	5.19E-04	1.64E-07	6.96E-08	4.56E-04	1.44E-07	6.11E-08
1209	490035.89, 3858	4.16E-04	1.31E-07	5.57E-08	5.09E-04	1.61E-07	6.82E-08	4.47E-04	1.41E-07	5.99E-08
1210	489285.89, 3858	6.23E-04	1.97E-07	8.34E-08	7.63E-04	2.41E-07	1.02E-07	6.71E-04	2.12E-07	8.99E-08
1211	489335.89, 3858	5.92E-04	1.87E-07	7.93E-08	7.26E-04	2.29E-07	9.72E-08	6.38E-04	2.01E-07	8.55E-08
1212	489385.89, 3858	5.66E-04	1.79E-07	7.57E-08	6.93E-04	2.19E-07	9.28E-08	6.09E-04	1.92E-07	8.16E-08
1213	489435.89, 3858	5.42E-04	1.71E-07	7.26E-08	6.64E-04	2.10E-07	8.90E-08	5.84E-04	1.84E-07	7.82E-08
1214	489485.89, 3858	5.22E-04	1.65E-07	6.99E-08	6.39E-04	2.02E-07	8.56E-08	5.62E-04	1.77E-07	7.52E-08

1215	489535.89, 3858	5.03E-04	1.59E-07	6.74E-08	6.17E-04	1.95E-07	8.26E-08	5.42E-04	1.71E-07	7.26E-08
1216	489585.89, 3858	4.87E-04	1.54E-07	6.52E-08	5.97E-04	1.88E-07	7.99E-08	5.24E-04	1.65E-07	7.02E-08
1217	489635.89, 3858	4.72E-04	1.49E-07	6.33E-08	5.79E-04	1.83E-07	7.75E-08	5.09E-04	1.61E-07	6.81E-08
1218	489685.89, 3858	4.60E-04	1.45E-07	6.16E-08	5.63E-04	1.78E-07	7.54E-08	4.95E-04	1.56E-07	6.63E-08
1219	489735.89, 3858	4.48E-04	1.41E-07	6.00E-08	5.49E-04	1.73E-07	7.35E-08	4.82E-04	1.52E-07	6.46E-08
1220	489785.89, 3858	4.37E-04	1.38E-07	5.86E-08	5.36E-04	1.69E-07	7.17E-08	4.71E-04	1.49E-07	6.30E-08
1221	489835.89, 3858	4.27E-04	1.35E-07	5.72E-08	5.24E-04	1.65E-07	7.01E-08	4.60E-04	1.45E-07	6.16E-08
1222	489885.89, 3858	4.18E-04	1.32E-07	5.60E-08	5.13E-04	1.62E-07	6.86E-08	4.50E-04	1.42E-07	6.03E-08
1223	489935.89, 3858	4.10E-04	1.29E-07	5.49E-08	5.02E-04	1.59E-07	6.73E-08	4.41E-04	1.39E-07	5.91E-08
1224	489985.89, 3858	4.02E-04	1.27E-07	5.38E-08	4.93E-04	1.55E-07	6.60E-08	4.32E-04	1.36E-07	5.79E-08
1225	490035.89, 3858	3.95E-04	1.25E-07	5.28E-08	4.83E-04	1.53E-07	6.47E-08	4.24E-04	1.34E-07	5.68E-08
1226	489335.89, 3858	5.23E-04	1.65E-07	7.00E-08	6.41E-04	2.02E-07	8.58E-08	5.63E-04	1.78E-07	7.54E-08
1227	489385.89, 3858	5.06E-04	1.60E-07	6.77E-08	6.19E-04	1.95E-07	8.29E-08	5.44E-04	1.72E-07	7.29E-08
1228	489435.89, 3858	4.90E-04	1.55E-07	6.56E-08	6.00E-04	1.89E-07	8.03E-08	5.27E-04	1.66E-07	7.06E-08
1229	489485.89, 3858	4.75E-04	1.50E-07	6.36E-08	5.82E-04	1.84E-07	7.79E-08	5.11E-04	1.61E-07	6.85E-08
1230	489535.89, 3858	4.61E-04	1.46E-07	6.18E-08	5.65E-04	1.78E-07	7.57E-08	4.97E-04	1.57E-07	6.65E-08
1231	489585.89, 3858	4.49E-04	1.42E-07	6.01E-08	5.50E-04	1.74E-07	7.36E-08	4.83E-04	1.53E-07	6.47E-08
1232	489635.89, 3858	4.37E-04	1.38E-07	5.86E-08	5.36E-04	1.69E-07	7.18E-08	4.71E-04	1.49E-07	6.30E-08
1233	489685.89, 3858	4.27E-04	1.35E-07	5.72E-08	5.23E-04	1.65E-07	7.00E-08	4.59E-04	1.45E-07	6.15E-08
1234	489735.89, 3858	4.17E-04	1.32E-07	5.59E-08	5.11E-04	1.61E-07	6.85E-08	4.49E-04	1.42E-07	6.01E-08
1235	489785.89, 3858	4.09E-04	1.29E-07	5.47E-08	5.01E-04	1.58E-07	6.70E-08	4.40E-04	1.39E-07	5.89E-08
1236	489835.89, 3858	4.01E-04	1.26E-07	5.37E-08	4.91E-04	1.55E-07	6.57E-08	4.31E-04	1.36E-07	5.77E-08
1237	489885.89, 3858	3.94E-04	1.24E-07	5.27E-08	4.82E-04	1.52E-07	6.45E-08	4.23E-04	1.34E-07	5.67E-08
1238	489935.89, 3858	3.86E-04	1.22E-07	5.18E-08	4.73E-04	1.49E-07	6.34E-08	4.16E-04	1.31E-07	5.57E-08
1239	489985.89, 3858	3.80E-04	1.20E-07	5.09E-08	4.65E-04	1.47E-07	6.23E-08	4.09E-04	1.29E-07	5.47E-08
1240	490035.89, 3858	3.73E-04	1.18E-07	5.00E-08	4.57E-04	1.44E-07	6.12E-08	4.01E-04	1.27E-07	5.37E-08
1241	489385.89, 3859	4.49E-04	1.42E-07	6.02E-08	5.50E-04	1.74E-07	7.37E-08	4.84E-04	1.53E-07	6.48E-08
1242	489435.89, 3859	4.39E-04	1.39E-07	5.88E-08	5.38E-04	1.70E-07	7.21E-08	4.73E-04	1.49E-07	6.33E-08
1243	489485.89, 3859	4.30E-04	1.36E-07	5.75E-08	5.26E-04	1.66E-07	7.05E-08	4.63E-04	1.46E-07	6.20E-08
1244	489535.89, 3859	4.21E-04	1.33E-07	5.63E-08	5.15E-04	1.63E-07	6.90E-08	4.53E-04	1.43E-07	6.06E-08
1245	489585.89, 3859	4.12E-04	1.30E-07	5.51E-08	5.04E-04	1.59E-07	6.75E-08	4.43E-04	1.40E-07	5.93E-08
1246	489635.89, 3859	4.03E-04	1.27E-07	5.40E-08	4.94E-04	1.56E-07	6.62E-08	4.34E-04	1.37E-07	5.81E-08
1247	489685.89, 3859	3.95E-04	1.25E-07	5.29E-08	4.84E-04	1.53E-07	6.49E-08	4.25E-04	1.34E-07	5.70E-08
1248	489735.89, 3859	3.88E-04	1.22E-07	5.20E-08	4.75E-04	1.50E-07	6.36E-08	4.17E-04	1.32E-07	5.59E-08
1249	489785.89, 3859	3.81E-04	1.20E-07	5.10E-08	4.67E-04	1.47E-07	6.25E-08	4.10E-04	1.29E-07	5.49E-08
1250	489835.89, 3859	3.75E-04	1.18E-07	5.02E-08	4.59E-04	1.45E-07	6.15E-08	4.03E-04	1.27E-07	5.40E-08
1251	489885.89, 3859	3.69E-04	1.16E-07	4.94E-08	4.52E-04	1.43E-07	6.05E-08	3.97E-04	1.25E-07	5.31E-08
1252	489935.89, 3859	3.63E-04	1.15E-07	4.86E-08	4.45E-04	1.40E-07	5.96E-08	3.91E-04	1.23E-07	5.23E-08
1253	489985.89, 3859	3.58E-04	1.13E-07	4.79E-08	4.38E-04	1.38E-07	5.87E-08	3.85E-04	1.21E-07	5.15E-08
1254	490035.89, 3859	3.52E-04	1.11E-07	4.71E-08	4.31E-04	1.36E-07	5.77E-08	3.79E-04	1.19E-07	5.07E-08
1255	489485.89, 3859	3.89E-04	1.23E-07	5.21E-08	4.76E-04	1.50E-07	6.38E-08	4.19E-04	1.32E-07	5.60E-08
1256	489535.89, 3859	3.83E-04	1.21E-07	5.13E-08	4.69E-04	1.48E-07	6.28E-08	4.12E-04	1.30E-07	5.52E-08
1257	489585.89, 3859	3.77E-04	1.19E-07	5.05E-08	4.62E-04	1.46E-07	6.19E-08	4.06E-04	1.28E-07	5.43E-08
1258	489635.89, 3859	3.71E-04	1.17E-07	4.97E-08	4.55E-04	1.44E-07	6.09E-08	3.99E-04	1.26E-07	5.35E-08
1259	489685.89, 3859	3.65E-04	1.15E-07	4.89E-08	4.48E-04	1.41E-07	5.99E-08	3.93E-04	1.24E-07	5.27E-08
1260	489735.89, 3859	3.60E-04	1.14E-07	4.82E-08	4.41E-04	1.39E-07	5.91E-08	3.87E-04	1.22E-07	5.19E-08
1261	489785.89, 3859	3.55E-04	1.12E-07	4.75E-08	4.35E-04	1.37E-07	5.82E-08	3.82E-04	1.20E-07	5.11E-08
1262	489835.89, 3859	3.50E-04	1.10E-07	4.68E-08	4.28E-04	1.35E-07	5.74E-08	3.76E-04	1.19E-07	5.04E-08
1263	489885.89, 3859	3.45E-04	1.09E-07	4.62E-08	4.22E-04	1.33E-07	5.66E-08	3.71E-04	1.17E-07	4.97E-08
1264	489935.89, 3859	3.40E-04	1.07E-07	4.56E-08	4.17E-04	1.32E-07	5.58E-08	3.66E-04	1.16E-07	4.90E-08
1265	489985.89, 3859	3.36E-04	1.06E-07	4.50E-08	4.12E-04	1.30E-07	5.52E-08	3.62E-04	1.14E-07	4.84E-08
1266	490035.89, 3859	3.32E-04	1.05E-07	4.44E-08	4.06E-04	1.28E-07	5.44E-08	3.57E-04	1.13E-07	4.78E-08
1267	489585.89, 3859	3.46E-04	1.09E-07	4.63E-08	4.24E-04	1.34E-07	5.67E-08	3.72E-04	1.17E-07	4.98E-08
1268	489635.89, 3859	3.42E-04	1.08E-07	4.58E-08	4.19E-04	1.32E-07	5.61E-08	3.68E-04	1.16E-07	4.93E-08
1269	489685.89, 3859	3.38E-04	1.07E-07	4.52E-08	4.14E-04	1.31E-07	5.54E-08	3.64E-04	1.15E-07	4.87E-08
1270	489735.89, 3859	3.34E-04	1.05E-07	4.47E-08	4.09E-04	1.29E-07	5.48E-08	3.59E-04	1.13E-07	4.81E-08
1271	489785.89, 3859	3.30E-04	1.04E-07	4.42E-08	4.04E-04	1.28E-07	5.41E-08	3.55E-04	1.12E-07	4.75E-08
1272	489835.89, 3859	3.26E-04	1.03E-07	4.37E-08	4.00E-04	1.26E-07	5.35E-08	3.51E-04	1.11E-07	4.70E-08

1273	489885.89, 3859	3.23E-04	1.02E-07	4.32E-08	3.95E-04	1.25E-07	5.29E-08	3.47E-04	1.09E-07	4.65E-08
1274	489935.89, 3859	3.19E-04	1.01E-07	4.27E-08	3.91E-04	1.23E-07	5.23E-08	3.43E-04	1.08E-07	4.59E-08
1275	489985.89, 3859	3.16E-04	9.96E-08	4.23E-08	3.87E-04	1.22E-07	5.18E-08	3.39E-04	1.07E-07	4.55E-08
1276	490035.89, 3859	3.12E-04	9.86E-08	4.18E-08	3.83E-04	1.21E-07	5.12E-08	3.36E-04	1.06E-07	4.50E-08
1277	489585.89, 3859	3.18E-04	1.00E-07	4.26E-08	3.90E-04	1.23E-07	5.22E-08	3.42E-04	1.08E-07	4.58E-08
1278	489635.89, 3859	3.16E-04	9.97E-08	4.23E-08	3.87E-04	1.22E-07	5.18E-08	3.40E-04	1.07E-07	4.55E-08
1279	489685.89, 3859	3.13E-04	9.88E-08	4.19E-08	3.83E-04	1.21E-07	5.14E-08	3.37E-04	1.06E-07	4.51E-08
1280	489735.89, 3859	3.10E-04	9.79E-08	4.15E-08	3.80E-04	1.20E-07	5.09E-08	3.34E-04	1.05E-07	4.47E-08
1281	489785.89, 3859	3.08E-04	9.71E-08	4.12E-08	3.77E-04	1.19E-07	5.05E-08	3.31E-04	1.04E-07	4.43E-08
1282	489835.89, 3859	3.05E-04	9.62E-08	4.08E-08	3.73E-04	1.18E-07	5.00E-08	3.28E-04	1.03E-07	4.39E-08
1283	489885.89, 3859	3.02E-04	9.54E-08	4.05E-08	3.70E-04	1.17E-07	4.96E-08	3.25E-04	1.03E-07	4.35E-08
1284	489935.89, 3859	2.99E-04	9.45E-08	4.01E-08	3.67E-04	1.16E-07	4.91E-08	3.22E-04	1.02E-07	4.31E-08
1285	489985.89, 3859	2.97E-04	9.36E-08	3.97E-08	3.63E-04	1.15E-07	4.86E-08	3.19E-04	1.01E-07	4.27E-08
1286	490035.89, 3859	2.94E-04	9.28E-08	3.94E-08	3.60E-04	1.14E-07	4.82E-08	3.16E-04	9.98E-08	4.23E-08
1287	489685.89, 3859	2.91E-04	9.18E-08	3.90E-08	3.56E-04	1.12E-07	4.77E-08	3.13E-04	9.88E-08	4.19E-08
1288	489735.89, 3859	2.89E-04	9.12E-08	3.87E-08	3.54E-04	1.12E-07	4.74E-08	3.11E-04	9.81E-08	4.16E-08
1289	489785.89, 3859	2.87E-04	9.06E-08	3.85E-08	3.52E-04	1.11E-07	4.71E-08	3.09E-04	9.75E-08	4.14E-08
1290	489835.89, 3859	2.85E-04	9.01E-08	3.82E-08	3.50E-04	1.10E-07	4.68E-08	3.07E-04	9.69E-08	4.11E-08
1291	489885.89, 3859	2.83E-04	8.95E-08	3.80E-08	3.47E-04	1.10E-07	4.65E-08	3.05E-04	9.62E-08	4.08E-08
1292	489935.89, 3859	2.81E-04	8.88E-08	3.77E-08	3.45E-04	1.09E-07	4.62E-08	3.03E-04	9.55E-08	4.05E-08
1293	489985.89, 3859	2.79E-04	8.81E-08	3.74E-08	3.42E-04	1.08E-07	4.58E-08	3.00E-04	9.47E-08	4.02E-08
1294	490035.89, 3859	2.77E-04	8.75E-08	3.71E-08	3.39E-04	1.07E-07	4.55E-08	2.98E-04	9.40E-08	3.99E-08
1295	489735.89, 3859	2.70E-04	8.52E-08	3.61E-08	3.31E-04	1.04E-07	4.43E-08	2.90E-04	9.16E-08	3.89E-08
1296	489785.89, 3859	2.69E-04	8.48E-08	3.60E-08	3.29E-04	1.04E-07	4.41E-08	2.89E-04	9.12E-08	3.87E-08
1297	489835.89, 3859	2.68E-04	8.45E-08	3.58E-08	3.28E-04	1.03E-07	4.39E-08	2.88E-04	9.08E-08	3.85E-08
1298	489885.89, 3859	2.66E-04	8.40E-08	3.57E-08	3.26E-04	1.03E-07	4.37E-08	2.86E-04	9.04E-08	3.83E-08
1299	489935.89, 3859	2.65E-04	8.36E-08	3.55E-08	3.25E-04	1.02E-07	4.35E-08	2.85E-04	8.99E-08	3.82E-08
1300	489985.89, 3859	2.63E-04	8.31E-08	3.53E-08	3.22E-04	1.02E-07	4.32E-08	2.83E-04	8.93E-08	3.79E-08
1301	490035.89, 3859	2.62E-04	8.26E-08	3.50E-08	3.21E-04	1.01E-07	4.29E-08	2.81E-04	8.88E-08	3.77E-08
1302	490458.06, 3859	1.87E-04	5.89E-08	2.50E-08	2.29E-04	7.22E-08	3.06E-08	2.01E-04	6.33E-08	2.69E-08
1303	490508.06, 3859	1.87E-04	5.90E-08	2.50E-08	2.29E-04	7.22E-08	3.06E-08	2.01E-04	6.33E-08	2.69E-08
1304	490558.06, 3859	1.87E-04	5.90E-08	2.50E-08	2.29E-04	7.22E-08	3.07E-08	2.01E-04	6.34E-08	2.69E-08
1305	490608.06, 3859	1.87E-04	5.90E-08	2.50E-08	2.29E-04	7.22E-08	3.06E-08	2.01E-04	6.33E-08	2.69E-08
1306	490658.06, 3859	1.87E-04	5.89E-08	2.50E-08	2.29E-04	7.21E-08	3.06E-08	2.01E-04	6.33E-08	2.69E-08
1307	490708.06, 3859	1.86E-04	5.88E-08	2.50E-08	2.28E-04	7.21E-08	3.06E-08	2.00E-04	6.32E-08	2.68E-08
1308	490758.06, 3859	1.86E-04	5.87E-08	2.49E-08	2.28E-04	7.19E-08	3.05E-08	2.00E-04	6.31E-08	2.68E-08
1309	490808.06, 3859	1.86E-04	5.86E-08	2.49E-08	2.27E-04	7.18E-08	3.05E-08	1.99E-04	6.30E-08	2.67E-08
1310	490858.06, 3859	1.85E-04	5.85E-08	2.48E-08	2.27E-04	7.16E-08	3.04E-08	1.99E-04	6.28E-08	2.66E-08
1311	490458.06, 3859	1.79E-04	5.63E-08	2.39E-08	2.19E-04	6.90E-08	2.93E-08	1.92E-04	6.05E-08	2.57E-08
1312	490508.06, 3859	1.79E-04	5.64E-08	2.39E-08	2.19E-04	6.90E-08	2.93E-08	1.92E-04	6.06E-08	2.57E-08
1313	490558.06, 3859	1.79E-04	5.64E-08	2.39E-08	2.19E-04	6.91E-08	2.93E-08	1.92E-04	6.06E-08	2.57E-08
1314	490608.06, 3859	1.79E-04	5.65E-08	2.40E-08	2.19E-04	6.92E-08	2.94E-08	1.92E-04	6.07E-08	2.58E-08
1315	490658.06, 3859	1.79E-04	5.65E-08	2.40E-08	2.19E-04	6.93E-08	2.94E-08	1.93E-04	6.08E-08	2.58E-08
1316	490708.06, 3859	1.79E-04	5.65E-08	2.40E-08	2.19E-04	6.92E-08	2.94E-08	1.92E-04	6.07E-08	2.58E-08
1317	490758.06, 3859	1.79E-04	5.65E-08	2.40E-08	2.19E-04	6.92E-08	2.93E-08	1.92E-04	6.07E-08	2.57E-08
1318	490808.06, 3859	1.79E-04	5.64E-08	2.39E-08	2.19E-04	6.91E-08	2.93E-08	1.92E-04	6.06E-08	2.57E-08
1319	490858.06, 3859	1.78E-04	5.63E-08	2.39E-08	2.19E-04	6.90E-08	2.93E-08	1.92E-04	6.05E-08	2.57E-08
1320	490608.06, 3859	1.71E-04	5.41E-08	2.30E-08	2.10E-04	6.63E-08	2.81E-08	1.84E-04	5.82E-08	2.47E-08
1321	490658.06, 3859	1.72E-04	5.43E-08	2.30E-08	2.11E-04	6.65E-08	2.82E-08	1.85E-04	5.83E-08	2.47E-08
1322	490708.06, 3859	1.72E-04	5.43E-08	2.30E-08	2.11E-04	6.65E-08	2.82E-08	1.85E-04	5.84E-08	2.48E-08
1323	490758.06, 3859	1.72E-04	5.43E-08	2.30E-08	2.11E-04	6.65E-08	2.82E-08	1.85E-04	5.84E-08	2.48E-08
1324	490808.06, 3859	1.72E-04	5.43E-08	2.30E-08	2.11E-04	6.65E-08	2.82E-08	1.85E-04	5.83E-08	2.47E-08
1325	490858.06, 3859	1.72E-04	5.42E-08	2.30E-08	2.10E-04	6.64E-08	2.82E-08	1.85E-04	5.82E-08	2.47E-08
1326	490708.06, 3859	1.65E-04	5.21E-08	2.21E-08	2.02E-04	6.39E-08	2.71E-08	1.77E-04	5.60E-08	2.38E-08
1327	490758.06, 3859	1.65E-04	5.22E-08	2.21E-08	2.02E-04	6.39E-08	2.71E-08	1.78E-04	5.60E-08	2.38E-08
1328	490808.06, 3859	1.65E-04	5.22E-08	2.21E-08	2.03E-04	6.39E-08	2.71E-08	1.78E-04	5.61E-08	2.38E-08
1329	490858.06, 3859	1.65E-04	5.22E-08	2.21E-08	2.02E-04	6.39E-08	2.71E-08	1.78E-04	5.60E-08	2.38E-08
1330	490786.56, 3859	1.64E-04	5.18E-08	2.20E-08	2.01E-04	6.35E-08	2.69E-08	1.76E-04	5.57E-08	2.36E-08

1331	490836.56, 3859	1.64E-04	5.18E-08	2.20E-08	2.01E-04	6.35E-08	2.69E-08	1.76E-04	5.57E-08	2.36E-08
1332	490786.56, 3859	1.57E-04	4.97E-08	2.11E-08	1.93E-04	6.09E-08	2.58E-08	1.69E-04	5.34E-08	2.27E-08
1333	490836.56, 3859	1.58E-04	4.98E-08	2.11E-08	1.93E-04	6.10E-08	2.59E-08	1.69E-04	5.35E-08	2.27E-08
1334	492307.84, 3854	2.36E-04	7.45E-08	3.16E-08	2.89E-04	9.12E-08	3.87E-08	2.54E-04	8.00E-08	3.40E-08
1335	486445.7, 38547	6.65E-04	2.10E-07	8.91E-08	8.15E-04	2.57E-07	1.09E-07	7.12E-04	2.25E-07	9.54E-08
1336	472599.75, 3877	6.35E-06	2.00E-09	8.51E-10	7.78E-06	2.46E-09	1.04E-09	6.83E-06	2.15E-09	9.14E-10
1337	493107.48, 3866	1.98E-05	6.25E-09	2.65E-09	2.42E-05	7.65E-09	3.25E-09	2.12E-05	6.71E-09	2.85E-09
1338	495815.8, 38616	6.10E-05	1.92E-08	8.16E-09	7.47E-05	2.36E-08	1.00E-08	6.54E-05	2.07E-08	8.76E-09
1339	480272.33, 3841	2.09E-06	6.58E-10	2.79E-10	2.55E-06	8.06E-10	3.42E-10	2.24E-06	7.07E-10	3.00E-10
1340	497005.18, 3862	4.25E-05	1.34E-08	5.70E-09	5.21E-05	1.64E-08	6.98E-09	4.57E-05	1.44E-08	6.12E-09
1341	493677.33, 3860	1.13E-04	3.58E-08	1.52E-08	1.39E-04	4.38E-08	1.86E-08	1.22E-04	3.84E-08	1.63E-08
1342	493727.33, 3860	1.13E-04	3.57E-08	1.51E-08	1.39E-04	4.37E-08	1.85E-08	1.21E-04	3.83E-08	1.63E-08
1343	493777.33, 3860	1.13E-04	3.56E-08	1.51E-08	1.38E-04	4.36E-08	1.85E-08	1.21E-04	3.83E-08	1.62E-08
1344	493827.33, 3860	1.13E-04	3.56E-08	1.51E-08	1.38E-04	4.36E-08	1.85E-08	1.21E-04	3.82E-08	1.62E-08
1345	493877.33, 3860	1.12E-04	3.55E-08	1.51E-08	1.38E-04	4.35E-08	1.84E-08	1.21E-04	3.81E-08	1.62E-08
1346	493927.33, 3860	1.12E-04	3.54E-08	1.50E-08	1.37E-04	4.33E-08	1.84E-08	1.20E-04	3.80E-08	1.61E-08
1347	493977.33, 3860	1.12E-04	3.54E-08	1.50E-08	1.37E-04	4.33E-08	1.84E-08	1.20E-04	3.80E-08	1.61E-08
1348	494027.33, 3860	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.79E-08	1.61E-08
1349	493677.33, 3860	1.11E-04	3.49E-08	1.48E-08	1.36E-04	4.28E-08	1.82E-08	1.19E-04	3.75E-08	1.59E-08
1350	493727.33, 3860	1.10E-04	3.49E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.19E-04	3.74E-08	1.59E-08
1351	493777.33, 3860	1.10E-04	3.48E-08	1.48E-08	1.35E-04	4.26E-08	1.81E-08	1.18E-04	3.73E-08	1.58E-08
1352	493827.33, 3860	1.10E-04	3.47E-08	1.47E-08	1.35E-04	4.25E-08	1.80E-08	1.18E-04	3.73E-08	1.58E-08
1353	493877.33, 3860	1.10E-04	3.47E-08	1.47E-08	1.35E-04	4.25E-08	1.80E-08	1.18E-04	3.72E-08	1.58E-08
1354	493927.33, 3860	1.10E-04	3.47E-08	1.47E-08	1.34E-04	4.24E-08	1.80E-08	1.18E-04	3.72E-08	1.58E-08
1355	493977.33, 3860	1.10E-04	3.46E-08	1.47E-08	1.34E-04	4.24E-08	1.80E-08	1.18E-04	3.72E-08	1.58E-08
1356	494027.33, 3860	1.09E-04	3.45E-08	1.47E-08	1.34E-04	4.23E-08	1.80E-08	1.18E-04	3.71E-08	1.57E-08
1357	493677.33, 3860	1.08E-04	3.41E-08	1.45E-08	1.32E-04	4.18E-08	1.77E-08	1.16E-04	3.66E-08	1.55E-08
1358	493727.33, 3860	1.08E-04	3.40E-08	1.44E-08	1.32E-04	4.17E-08	1.77E-08	1.16E-04	3.65E-08	1.55E-08
1359	493777.33, 3860	1.08E-04	3.40E-08	1.44E-08	1.32E-04	4.17E-08	1.77E-08	1.16E-04	3.65E-08	1.55E-08
1360	493827.33, 3860	1.08E-04	3.39E-08	1.44E-08	1.32E-04	4.16E-08	1.76E-08	1.15E-04	3.64E-08	1.55E-08
1361	493877.33, 3860	1.07E-04	3.39E-08	1.44E-08	1.31E-04	4.15E-08	1.76E-08	1.15E-04	3.64E-08	1.54E-08
1362	493927.33, 3860	1.07E-04	3.39E-08	1.44E-08	1.31E-04	4.15E-08	1.76E-08	1.15E-04	3.64E-08	1.54E-08
1363	493977.33, 3860	1.07E-04	3.39E-08	1.44E-08	1.32E-04	4.15E-08	1.76E-08	1.15E-04	3.64E-08	1.54E-08
1364	494027.33, 3860	1.07E-04	3.38E-08	1.43E-08	1.31E-04	4.14E-08	1.76E-08	1.15E-04	3.63E-08	1.54E-08
1365	493677.33, 3860	1.06E-04	3.33E-08	1.41E-08	1.29E-04	4.08E-08	1.73E-08	1.13E-04	3.58E-08	1.52E-08
1366	493727.33, 3860	1.05E-04	3.32E-08	1.41E-08	1.29E-04	4.07E-08	1.73E-08	1.13E-04	3.56E-08	1.51E-08
1367	493777.33, 3860	1.05E-04	3.32E-08	1.41E-08	1.29E-04	4.06E-08	1.72E-08	1.13E-04	3.56E-08	1.51E-08
1368	493827.33, 3860	1.05E-04	3.32E-08	1.41E-08	1.29E-04	4.06E-08	1.72E-08	1.13E-04	3.56E-08	1.51E-08
1369	493877.33, 3860	1.05E-04	3.31E-08	1.41E-08	1.29E-04	4.06E-08	1.72E-08	1.13E-04	3.56E-08	1.51E-08
1370	493927.33, 3860	1.05E-04	3.32E-08	1.41E-08	1.29E-04	4.06E-08	1.72E-08	1.13E-04	3.56E-08	1.51E-08
1371	493977.33, 3860	1.05E-04	3.31E-08	1.40E-08	1.28E-04	4.05E-08	1.72E-08	1.13E-04	3.55E-08	1.51E-08
1372	494027.33, 3860	1.05E-04	3.30E-08	1.40E-08	1.28E-04	4.05E-08	1.72E-08	1.12E-04	3.55E-08	1.51E-08
1373	493677.33, 3860	1.03E-04	3.25E-08	1.38E-08	1.26E-04	3.98E-08	1.69E-08	1.11E-04	3.49E-08	1.48E-08
1374	493727.33, 3860	1.03E-04	3.24E-08	1.38E-08	1.26E-04	3.97E-08	1.69E-08	1.10E-04	3.48E-08	1.48E-08
1375	493777.33, 3860	1.03E-04	3.24E-08	1.37E-08	1.26E-04	3.97E-08	1.68E-08	1.10E-04	3.48E-08	1.48E-08
1376	493827.33, 3860	1.03E-04	3.24E-08	1.37E-08	1.26E-04	3.96E-08	1.68E-08	1.10E-04	3.47E-08	1.47E-08
1377	493877.33, 3860	1.03E-04	3.24E-08	1.37E-08	1.26E-04	3.97E-08	1.68E-08	1.10E-04	3.48E-08	1.47E-08
1378	493927.33, 3860	1.03E-04	3.24E-08	1.37E-08	1.26E-04	3.97E-08	1.68E-08	1.10E-04	3.48E-08	1.48E-08
1379	493977.33, 3860	1.02E-04	3.23E-08	1.37E-08	1.25E-04	3.96E-08	1.68E-08	1.10E-04	3.47E-08	1.47E-08
1380	494027.33, 3860	1.02E-04	3.23E-08	1.37E-08	1.25E-04	3.96E-08	1.68E-08	1.10E-04	3.47E-08	1.47E-08
1381	493627.33, 3860	1.01E-04	3.18E-08	1.35E-08	1.23E-04	3.89E-08	1.65E-08	1.08E-04	3.41E-08	1.45E-08
1382	493677.33, 3860	1.00E-04	3.17E-08	1.34E-08	1.23E-04	3.88E-08	1.65E-08	1.08E-04	3.40E-08	1.44E-08
1383	493727.33, 3860	1.00E-04	3.16E-08	1.34E-08	1.23E-04	3.88E-08	1.64E-08	1.08E-04	3.40E-08	1.44E-08
1384	493777.33, 3860	1.00E-04	3.16E-08	1.34E-08	1.23E-04	3.87E-08	1.64E-08	1.08E-04	3.40E-08	1.44E-08
1385	493827.33, 3860	1.00E-04	3.17E-08	1.34E-08	1.23E-04	3.88E-08	1.64E-08	1.08E-04	3.40E-08	1.44E-08
1386	493877.33, 3860	1.00E-04	3.16E-08	1.34E-08	1.23E-04	3.87E-08	1.64E-08	1.07E-04	3.39E-08	1.44E-08
1387	493927.33, 3860	1.00E-04	3.16E-08	1.34E-08	1.23E-04	3.87E-08	1.64E-08	1.08E-04	3.39E-08	1.44E-08
1388	493977.33, 3860	1.00E-04	3.16E-08	1.34E-08	1.23E-04	3.87E-08	1.64E-08	1.08E-04	3.39E-08	1.44E-08

1389	494027.33, 3860	1.00E-04	3.16E-08	1.34E-08	1.22E-04	3.87E-08	1.64E-08	1.07E-04	3.39E-08	1.44E-08
1390	493627.33, 3860	9.82E-05	3.10E-08	1.31E-08	1.20E-04	3.80E-08	1.61E-08	1.05E-04	3.33E-08	1.41E-08
1391	493727.33, 3860	9.77E-05	3.08E-08	1.31E-08	1.20E-04	3.78E-08	1.60E-08	1.05E-04	3.31E-08	1.40E-08
1392	493777.33, 3860	9.78E-05	3.09E-08	1.31E-08	1.20E-04	3.78E-08	1.60E-08	1.05E-04	3.32E-08	1.41E-08
1393	493827.33, 3860	9.78E-05	3.09E-08	1.31E-08	1.20E-04	3.78E-08	1.60E-08	1.05E-04	3.31E-08	1.41E-08
1394	493877.33, 3860	9.79E-05	3.09E-08	1.31E-08	1.20E-04	3.78E-08	1.61E-08	1.05E-04	3.32E-08	1.41E-08
1395	493927.33, 3860	9.79E-05	3.09E-08	1.31E-08	1.20E-04	3.78E-08	1.61E-08	1.05E-04	3.32E-08	1.41E-08
1396	493977.33, 3860	9.79E-05	3.09E-08	1.31E-08	1.20E-04	3.78E-08	1.61E-08	1.05E-04	3.32E-08	1.41E-08
1397	494027.33, 3860	9.77E-05	3.08E-08	1.31E-08	1.20E-04	3.78E-08	1.60E-08	1.05E-04	3.31E-08	1.40E-08
1398	493627.33, 3860	9.57E-05	3.02E-08	1.28E-08	1.17E-04	3.70E-08	1.57E-08	1.03E-04	3.24E-08	1.38E-08
1399	493727.33, 3860	9.53E-05	3.01E-08	1.28E-08	1.17E-04	3.68E-08	1.56E-08	1.02E-04	3.23E-08	1.37E-08
1400	493777.33, 3860	9.54E-05	3.01E-08	1.28E-08	1.17E-04	3.69E-08	1.56E-08	1.02E-04	3.23E-08	1.37E-08
1401	493827.33, 3860	9.55E-05	3.01E-08	1.28E-08	1.17E-04	3.69E-08	1.57E-08	1.03E-04	3.24E-08	1.37E-08
1402	493877.33, 3860	9.56E-05	3.02E-08	1.28E-08	1.17E-04	3.70E-08	1.57E-08	1.03E-04	3.24E-08	1.37E-08
1403	493927.33, 3860	9.56E-05	3.02E-08	1.28E-08	1.17E-04	3.70E-08	1.57E-08	1.03E-04	3.24E-08	1.37E-08
1404	493977.33, 3860	9.56E-05	3.02E-08	1.28E-08	1.17E-04	3.70E-08	1.57E-08	1.03E-04	3.24E-08	1.37E-08
1405	494027.33, 3860	9.57E-05	3.02E-08	1.28E-08	1.17E-04	3.70E-08	1.57E-08	1.03E-04	3.24E-08	1.38E-08
1406	494311.06, 3858	1.28E-04	4.05E-08	1.72E-08	1.57E-04	4.96E-08	2.10E-08	1.38E-04	4.35E-08	1.84E-08
1407	494361.06, 3858	1.26E-04	3.98E-08	1.69E-08	1.54E-04	4.87E-08	2.07E-08	1.35E-04	4.27E-08	1.81E-08
1408	494411.06, 3858	1.24E-04	3.93E-08	1.67E-08	1.52E-04	4.81E-08	2.04E-08	1.34E-04	4.21E-08	1.79E-08
1409	494461.06, 3858	1.24E-04	3.90E-08	1.66E-08	1.51E-04	4.78E-08	2.03E-08	1.33E-04	4.19E-08	1.78E-08
1410	494511.06, 3858	1.22E-04	3.85E-08	1.63E-08	1.49E-04	4.72E-08	2.00E-08	1.31E-04	4.13E-08	1.75E-08
1411	494561.06, 3858	1.21E-04	3.83E-08	1.62E-08	1.48E-04	4.69E-08	1.99E-08	1.30E-04	4.11E-08	1.74E-08
1412	494611.06, 3858	1.19E-04	3.77E-08	1.60E-08	1.46E-04	4.62E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
1413	494661.06, 3858	1.18E-04	3.73E-08	1.58E-08	1.45E-04	4.56E-08	1.94E-08	1.27E-04	4.00E-08	1.70E-08
1414	494711.06, 3858	1.16E-04	3.66E-08	1.55E-08	1.42E-04	4.48E-08	1.90E-08	1.24E-04	3.93E-08	1.67E-08
1415	494761.06, 3858	1.15E-04	3.62E-08	1.54E-08	1.41E-04	4.44E-08	1.88E-08	1.23E-04	3.89E-08	1.65E-08
1416	494811.06, 3858	1.13E-04	3.57E-08	1.51E-08	1.39E-04	4.37E-08	1.86E-08	1.21E-04	3.83E-08	1.63E-08
1417	494861.06, 3858	1.12E-04	3.52E-08	1.50E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.78E-08	1.60E-08
1418	494911.06, 3858	1.10E-04	3.48E-08	1.48E-08	1.35E-04	4.26E-08	1.81E-08	1.18E-04	3.73E-08	1.58E-08
1419	494961.06, 3858	1.09E-04	3.43E-08	1.46E-08	1.33E-04	4.20E-08	1.78E-08	1.17E-04	3.68E-08	1.56E-08
1420	495011.06, 3858	1.07E-04	3.37E-08	1.43E-08	1.31E-04	4.13E-08	1.75E-08	1.15E-04	3.62E-08	1.54E-08
1421	495061.06, 3858	1.05E-04	3.32E-08	1.41E-08	1.29E-04	4.07E-08	1.73E-08	1.13E-04	3.57E-08	1.51E-08
1422	495111.06, 3858	1.03E-04	3.24E-08	1.37E-08	1.26E-04	3.96E-08	1.68E-08	1.10E-04	3.47E-08	1.47E-08
1423	495161.06, 3858	1.02E-04	3.22E-08	1.37E-08	1.25E-04	3.94E-08	1.67E-08	1.10E-04	3.46E-08	1.47E-08
1424	495211.06, 3858	9.96E-05	3.14E-08	1.33E-08	1.22E-04	3.85E-08	1.63E-08	1.07E-04	3.38E-08	1.43E-08
1425	495261.06, 3858	9.83E-05	3.10E-08	1.32E-08	1.20E-04	3.80E-08	1.61E-08	1.06E-04	3.33E-08	1.41E-08
1426	495311.06, 3858	9.70E-05	3.06E-08	1.30E-08	1.19E-04	3.75E-08	1.59E-08	1.04E-04	3.29E-08	1.39E-08
1427	495361.06, 3858	9.61E-05	3.03E-08	1.29E-08	1.18E-04	3.71E-08	1.58E-08	1.03E-04	3.25E-08	1.38E-08
1428	495411.06, 3858	9.56E-05	3.02E-08	1.28E-08	1.17E-04	3.69E-08	1.57E-08	1.03E-04	3.24E-08	1.37E-08
1429	495461.06, 3858	9.52E-05	3.01E-08	1.28E-08	1.17E-04	3.68E-08	1.56E-08	1.02E-04	3.23E-08	1.37E-08
1430	495511.06, 3858	9.47E-05	2.99E-08	1.27E-08	1.16E-04	3.66E-08	1.55E-08	1.02E-04	3.21E-08	1.36E-08
1431	495561.06, 3858	9.35E-05	2.95E-08	1.25E-08	1.15E-04	3.61E-08	1.53E-08	1.00E-04	3.17E-08	1.34E-08
1432	495611.06, 3858	9.31E-05	2.94E-08	1.25E-08	1.14E-04	3.60E-08	1.53E-08	9.99E-05	3.15E-08	1.34E-08
1433	495661.06, 3858	9.37E-05	2.96E-08	1.25E-08	1.15E-04	3.62E-08	1.54E-08	1.01E-04	3.17E-08	1.35E-08
1434	494311.06, 3858	1.31E-04	4.13E-08	1.75E-08	1.60E-04	5.06E-08	2.15E-08	1.40E-04	4.43E-08	1.88E-08
1435	494361.06, 3858	1.29E-04	4.07E-08	1.73E-08	1.58E-04	4.99E-08	2.12E-08	1.38E-04	4.37E-08	1.85E-08
1436	494411.06, 3858	1.27E-04	4.02E-08	1.71E-08	1.56E-04	4.93E-08	2.09E-08	1.37E-04	4.32E-08	1.83E-08
1437	494461.06, 3858	1.26E-04	3.98E-08	1.69E-08	1.54E-04	4.87E-08	2.07E-08	1.35E-04	4.27E-08	1.81E-08
1438	494511.06, 3858	1.25E-04	3.95E-08	1.68E-08	1.53E-04	4.84E-08	2.05E-08	1.34E-04	4.24E-08	1.80E-08
1439	494561.06, 3858	1.23E-04	3.90E-08	1.65E-08	1.51E-04	4.77E-08	2.02E-08	1.32E-04	4.18E-08	1.77E-08
1440	494611.06, 3858	1.22E-04	3.85E-08	1.63E-08	1.50E-04	4.72E-08	2.00E-08	1.31E-04	4.14E-08	1.75E-08
1441	494661.06, 3858	1.21E-04	3.81E-08	1.62E-08	1.48E-04	4.66E-08	1.98E-08	1.29E-04	4.09E-08	1.73E-08
1442	494711.06, 3858	1.19E-04	3.75E-08	1.59E-08	1.45E-04	4.59E-08	1.95E-08	1.27E-04	4.02E-08	1.71E-08
1443	494761.06, 3858	1.17E-04	3.69E-08	1.57E-08	1.43E-04	4.52E-08	1.92E-08	1.25E-04	3.96E-08	1.68E-08
1444	494811.06, 3858	1.15E-04	3.64E-08	1.55E-08	1.41E-04	4.46E-08	1.89E-08	1.24E-04	3.91E-08	1.66E-08
1445	494861.06, 3858	1.14E-04	3.59E-08	1.52E-08	1.39E-04	4.40E-08	1.87E-08	1.22E-04	3.85E-08	1.63E-08
1446	494911.06, 3858	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.78E-08	1.61E-08

1447	494961.06, 3858	1.10E-04	3.47E-08	1.47E-08	1.35E-04	4.25E-08	1.80E-08	1.18E-04	3.72E-08	1.58E-08
1448	495011.06, 3858	1.08E-04	3.40E-08	1.44E-08	1.32E-04	4.17E-08	1.77E-08	1.16E-04	3.65E-08	1.55E-08
1449	495061.06, 3858	1.07E-04	3.37E-08	1.43E-08	1.31E-04	4.13E-08	1.75E-08	1.15E-04	3.62E-08	1.54E-08
1450	495111.06, 3858	1.05E-04	3.31E-08	1.41E-08	1.29E-04	4.06E-08	1.72E-08	1.13E-04	3.55E-08	1.51E-08
1451	495161.06, 3858	1.03E-04	3.24E-08	1.38E-08	1.26E-04	3.97E-08	1.68E-08	1.10E-04	3.48E-08	1.48E-08
1452	495211.06, 3858	1.01E-04	3.18E-08	1.35E-08	1.23E-04	3.89E-08	1.65E-08	1.08E-04	3.41E-08	1.45E-08
1453	495261.06, 3858	9.95E-05	3.14E-08	1.33E-08	1.22E-04	3.85E-08	1.63E-08	1.07E-04	3.37E-08	1.43E-08
1454	495311.06, 3858	9.84E-05	3.11E-08	1.32E-08	1.21E-04	3.81E-08	1.61E-08	1.06E-04	3.34E-08	1.42E-08
1455	495361.06, 3858	9.76E-05	3.08E-08	1.31E-08	1.20E-04	3.77E-08	1.60E-08	1.05E-04	3.31E-08	1.40E-08
1456	495411.06, 3858	9.72E-05	3.07E-08	1.30E-08	1.19E-04	3.76E-08	1.59E-08	1.04E-04	3.29E-08	1.40E-08
1457	495461.06, 3858	9.69E-05	3.06E-08	1.30E-08	1.19E-04	3.75E-08	1.59E-08	1.04E-04	3.28E-08	1.39E-08
1458	495511.06, 3858	9.59E-05	3.03E-08	1.28E-08	1.17E-04	3.71E-08	1.57E-08	1.03E-04	3.25E-08	1.38E-08
1459	495561.06, 3858	9.60E-05	3.03E-08	1.29E-08	1.18E-04	3.71E-08	1.57E-08	1.03E-04	3.25E-08	1.38E-08
1460	495611.06, 3858	9.48E-05	2.99E-08	1.27E-08	1.16E-04	3.66E-08	1.55E-08	1.02E-04	3.21E-08	1.36E-08
1461	495661.06, 3858	9.46E-05	2.99E-08	1.27E-08	1.16E-04	3.66E-08	1.55E-08	1.02E-04	3.21E-08	1.36E-08
1462	494311.06, 3858	1.31E-04	4.14E-08	1.76E-08	1.61E-04	5.07E-08	2.15E-08	1.41E-04	4.44E-08	1.88E-08
1463	494361.06, 3858	1.30E-04	4.10E-08	1.74E-08	1.59E-04	5.02E-08	2.13E-08	1.39E-04	4.40E-08	1.87E-08
1464	494411.06, 3858	1.28E-04	4.05E-08	1.72E-08	1.57E-04	4.97E-08	2.11E-08	1.38E-04	4.35E-08	1.85E-08
1465	494461.06, 3858	1.28E-04	4.03E-08	1.71E-08	1.56E-04	4.93E-08	2.09E-08	1.37E-04	4.32E-08	1.83E-08
1466	494511.06, 3858	1.26E-04	3.97E-08	1.68E-08	1.54E-04	4.86E-08	2.06E-08	1.35E-04	4.26E-08	1.81E-08
1467	494561.06, 3858	1.26E-04	3.97E-08	1.68E-08	1.54E-04	4.86E-08	2.06E-08	1.35E-04	4.26E-08	1.81E-08
1468	494611.06, 3858	1.24E-04	3.92E-08	1.66E-08	1.52E-04	4.80E-08	2.04E-08	1.33E-04	4.20E-08	1.78E-08
1469	494661.06, 3858	1.23E-04	3.88E-08	1.65E-08	1.51E-04	4.76E-08	2.02E-08	1.32E-04	4.17E-08	1.77E-08
1470	494711.06, 3858	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.68E-08	1.99E-08	1.30E-04	4.10E-08	1.74E-08
1471	494761.06, 3858	1.19E-04	3.76E-08	1.59E-08	1.46E-04	4.60E-08	1.95E-08	1.28E-04	4.03E-08	1.71E-08
1472	494811.06, 3858	1.17E-04	3.69E-08	1.57E-08	1.43E-04	4.52E-08	1.92E-08	1.26E-04	3.96E-08	1.68E-08
1473	494861.06, 3858	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.47E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
1474	494911.06, 3858	1.13E-04	3.56E-08	1.51E-08	1.38E-04	4.37E-08	1.85E-08	1.21E-04	3.83E-08	1.62E-08
1475	494961.06, 3858	1.12E-04	3.52E-08	1.49E-08	1.37E-04	4.31E-08	1.83E-08	1.20E-04	3.78E-08	1.60E-08
1476	495011.06, 3858	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.22E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
1477	495061.06, 3858	1.08E-04	3.42E-08	1.45E-08	1.33E-04	4.19E-08	1.78E-08	1.16E-04	3.67E-08	1.56E-08
1478	495111.06, 3858	1.05E-04	3.33E-08	1.41E-08	1.29E-04	4.08E-08	1.73E-08	1.13E-04	3.57E-08	1.52E-08
1479	495161.06, 3858	1.04E-04	3.27E-08	1.39E-08	1.27E-04	4.01E-08	1.70E-08	1.11E-04	3.51E-08	1.49E-08
1480	495211.06, 3858	1.02E-04	3.22E-08	1.36E-08	1.25E-04	3.94E-08	1.67E-08	1.09E-04	3.45E-08	1.46E-08
1481	495261.06, 3858	1.01E-04	3.18E-08	1.35E-08	1.23E-04	3.89E-08	1.65E-08	1.08E-04	3.41E-08	1.45E-08
1482	495311.06, 3858	1.00E-04	3.15E-08	1.34E-08	1.22E-04	3.86E-08	1.64E-08	1.07E-04	3.39E-08	1.44E-08
1483	495361.06, 3858	9.93E-05	3.13E-08	1.33E-08	1.22E-04	3.84E-08	1.63E-08	1.07E-04	3.36E-08	1.43E-08
1484	495411.06, 3858	9.89E-05	3.12E-08	1.32E-08	1.21E-04	3.82E-08	1.62E-08	1.06E-04	3.35E-08	1.42E-08
1485	495461.06, 3858	9.84E-05	3.11E-08	1.32E-08	1.21E-04	3.81E-08	1.61E-08	1.06E-04	3.33E-08	1.41E-08
1486	495511.06, 3858	9.78E-05	3.09E-08	1.31E-08	1.20E-04	3.78E-08	1.60E-08	1.05E-04	3.31E-08	1.41E-08
1487	495561.06, 3858	9.78E-05	3.09E-08	1.31E-08	1.20E-04	3.78E-08	1.60E-08	1.05E-04	3.31E-08	1.41E-08
1488	495611.06, 3858	9.67E-05	3.05E-08	1.30E-08	1.18E-04	3.74E-08	1.59E-08	1.04E-04	3.28E-08	1.39E-08
1489	495661.06, 3858	9.66E-05	3.05E-08	1.29E-08	1.18E-04	3.73E-08	1.58E-08	1.04E-04	3.27E-08	1.39E-08
1490	494311.06, 3858	1.29E-04	4.06E-08	1.72E-08	1.58E-04	4.98E-08	2.11E-08	1.38E-04	4.36E-08	1.85E-08
1491	494361.06, 3858	1.30E-04	4.09E-08	1.73E-08	1.59E-04	5.01E-08	2.12E-08	1.39E-04	4.39E-08	1.86E-08
1492	494411.06, 3858	1.30E-04	4.11E-08	1.74E-08	1.60E-04	5.04E-08	2.14E-08	1.40E-04	4.41E-08	1.87E-08
1493	494461.06, 3858	1.30E-04	4.10E-08	1.74E-08	1.59E-04	5.02E-08	2.13E-08	1.39E-04	4.40E-08	1.87E-08
1494	494511.06, 3858	1.29E-04	4.07E-08	1.73E-08	1.58E-04	4.98E-08	2.11E-08	1.38E-04	4.36E-08	1.85E-08
1495	494561.06, 3858	1.28E-04	4.04E-08	1.71E-08	1.57E-04	4.95E-08	2.10E-08	1.37E-04	4.33E-08	1.84E-08
1496	494611.06, 3858	1.27E-04	4.00E-08	1.70E-08	1.55E-04	4.90E-08	2.08E-08	1.36E-04	4.29E-08	1.82E-08
1497	494661.06, 3858	1.25E-04	3.96E-08	1.68E-08	1.54E-04	4.85E-08	2.06E-08	1.35E-04	4.25E-08	1.80E-08
1498	494711.06, 3858	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.77E-08	2.02E-08	1.32E-04	4.18E-08	1.77E-08
1499	494761.06, 3858	1.21E-04	3.83E-08	1.62E-08	1.49E-04	4.69E-08	1.99E-08	1.30E-04	4.11E-08	1.74E-08
1500	494811.06, 3858	1.20E-04	3.78E-08	1.60E-08	1.47E-04	4.62E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
1501	494861.06, 3858	1.18E-04	3.71E-08	1.57E-08	1.44E-04	4.54E-08	1.93E-08	1.26E-04	3.98E-08	1.69E-08
1502	494911.06, 3858	1.15E-04	3.63E-08	1.54E-08	1.41E-04	4.45E-08	1.89E-08	1.24E-04	3.90E-08	1.65E-08
1503	494961.06, 3858	1.13E-04	3.58E-08	1.52E-08	1.39E-04	4.38E-08	1.86E-08	1.22E-04	3.84E-08	1.63E-08
1504	495011.06, 3858	1.11E-04	3.50E-08	1.48E-08	1.36E-04	4.29E-08	1.82E-08	1.19E-04	3.76E-08	1.59E-08

1505	495061.06, 3858	1.09E-04	3.45E-08	1.47E-08	1.34E-04	4.23E-08	1.79E-08	1.17E-04	3.71E-08	1.57E-08
1506	495111.06, 3858	1.07E-04	3.36E-08	1.43E-08	1.31E-04	4.12E-08	1.75E-08	1.14E-04	3.61E-08	1.53E-08
1507	495161.06, 3858	1.05E-04	3.31E-08	1.40E-08	1.28E-04	4.05E-08	1.72E-08	1.12E-04	3.55E-08	1.51E-08
1508	495211.06, 3858	1.03E-04	3.26E-08	1.38E-08	1.26E-04	3.99E-08	1.69E-08	1.11E-04	3.50E-08	1.48E-08
1509	495261.06, 3858	1.02E-04	3.22E-08	1.37E-08	1.25E-04	3.95E-08	1.67E-08	1.10E-04	3.46E-08	1.47E-08
1510	495311.06, 3858	1.02E-04	3.20E-08	1.36E-08	1.24E-04	3.93E-08	1.67E-08	1.09E-04	3.44E-08	1.46E-08
1511	495361.06, 3858	1.01E-04	3.18E-08	1.35E-08	1.24E-04	3.90E-08	1.65E-08	1.08E-04	3.42E-08	1.45E-08
1512	495411.06, 3858	1.01E-04	3.18E-08	1.35E-08	1.23E-04	3.89E-08	1.65E-08	1.08E-04	3.41E-08	1.45E-08
1513	495461.06, 3858	1.00E-04	3.16E-08	1.34E-08	1.23E-04	3.87E-08	1.64E-08	1.07E-04	3.39E-08	1.44E-08
1514	495511.06, 3858	9.98E-05	3.15E-08	1.34E-08	1.22E-04	3.86E-08	1.64E-08	1.07E-04	3.38E-08	1.43E-08
1515	495561.06, 3858	9.93E-05	3.13E-08	1.33E-08	1.22E-04	3.84E-08	1.63E-08	1.07E-04	3.36E-08	1.43E-08
1516	495611.06, 3858	9.86E-05	3.11E-08	1.32E-08	1.21E-04	3.81E-08	1.62E-08	1.06E-04	3.34E-08	1.42E-08
1517	495661.06, 3858	9.78E-05	3.09E-08	1.31E-08	1.20E-04	3.78E-08	1.60E-08	1.05E-04	3.31E-08	1.41E-08
1518	494311.06, 3858	1.22E-04	3.85E-08	1.63E-08	1.49E-04	4.72E-08	2.00E-08	1.31E-04	4.13E-08	1.75E-08
1519	494361.06, 3858	1.28E-04	4.05E-08	1.72E-08	1.57E-04	4.96E-08	2.11E-08	1.38E-04	4.35E-08	1.84E-08
1520	494411.06, 3858	1.33E-04	4.19E-08	1.78E-08	1.63E-04	5.14E-08	2.18E-08	1.43E-04	4.50E-08	1.91E-08
1521	494461.06, 3858	1.32E-04	4.18E-08	1.77E-08	1.62E-04	5.12E-08	2.17E-08	1.42E-04	4.48E-08	1.90E-08
1522	494511.06, 3858	1.31E-04	4.13E-08	1.75E-08	1.60E-04	5.05E-08	2.14E-08	1.40E-04	4.43E-08	1.88E-08
1523	494561.06, 3858	1.31E-04	4.12E-08	1.75E-08	1.60E-04	5.05E-08	2.14E-08	1.40E-04	4.43E-08	1.88E-08
1524	494611.06, 3858	1.29E-04	4.07E-08	1.73E-08	1.58E-04	4.98E-08	2.11E-08	1.38E-04	4.37E-08	1.85E-08
1525	494661.06, 3858	1.28E-04	4.03E-08	1.71E-08	1.56E-04	4.93E-08	2.09E-08	1.37E-04	4.32E-08	1.83E-08
1526	494711.06, 3858	1.26E-04	3.96E-08	1.68E-08	1.54E-04	4.86E-08	2.06E-08	1.35E-04	4.25E-08	1.81E-08
1527	494761.06, 3858	1.24E-04	3.90E-08	1.66E-08	1.51E-04	4.78E-08	2.03E-08	1.33E-04	4.19E-08	1.78E-08
1528	494811.06, 3858	1.21E-04	3.81E-08	1.62E-08	1.48E-04	4.67E-08	1.98E-08	1.30E-04	4.09E-08	1.73E-08
1529	494861.06, 3858	1.19E-04	3.76E-08	1.60E-08	1.46E-04	4.61E-08	1.95E-08	1.28E-04	4.04E-08	1.71E-08
1530	494911.06, 3858	1.16E-04	3.67E-08	1.56E-08	1.43E-04	4.50E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
1531	494961.06, 3858	1.15E-04	3.61E-08	1.53E-08	1.40E-04	4.43E-08	1.88E-08	1.23E-04	3.88E-08	1.65E-08
1532	495011.06, 3858	1.13E-04	3.55E-08	1.51E-08	1.38E-04	4.35E-08	1.85E-08	1.21E-04	3.81E-08	1.62E-08
1533	495061.06, 3858	1.11E-04	3.49E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.19E-04	3.74E-08	1.59E-08
1534	495111.06, 3858	1.07E-04	3.39E-08	1.44E-08	1.32E-04	4.15E-08	1.76E-08	1.15E-04	3.64E-08	1.54E-08
1535	495161.06, 3858	1.06E-04	3.34E-08	1.42E-08	1.30E-04	4.09E-08	1.74E-08	1.14E-04	3.59E-08	1.52E-08
1536	495211.06, 3858	1.05E-04	3.31E-08	1.40E-08	1.28E-04	4.05E-08	1.72E-08	1.13E-04	3.55E-08	1.51E-08
1537	495261.06, 3858	1.04E-04	3.27E-08	1.39E-08	1.27E-04	4.01E-08	1.70E-08	1.11E-04	3.51E-08	1.49E-08
1538	495311.06, 3858	1.03E-04	3.24E-08	1.38E-08	1.26E-04	3.97E-08	1.69E-08	1.10E-04	3.48E-08	1.48E-08
1539	495361.06, 3858	1.02E-04	3.23E-08	1.37E-08	1.25E-04	3.96E-08	1.68E-08	1.10E-04	3.47E-08	1.47E-08
1540	495411.06, 3858	1.02E-04	3.22E-08	1.36E-08	1.25E-04	3.94E-08	1.67E-08	1.09E-04	3.45E-08	1.46E-08
1541	495461.06, 3858	1.02E-04	3.20E-08	1.36E-08	1.24E-04	3.92E-08	1.66E-08	1.09E-04	3.44E-08	1.46E-08
1542	495511.06, 3858	1.01E-04	3.18E-08	1.35E-08	1.23E-04	3.89E-08	1.65E-08	1.08E-04	3.41E-08	1.45E-08
1543	495561.06, 3858	1.01E-04	3.17E-08	1.35E-08	1.23E-04	3.89E-08	1.65E-08	1.08E-04	3.40E-08	1.44E-08
1544	495611.06, 3858	9.95E-05	3.14E-08	1.33E-08	1.22E-04	3.84E-08	1.63E-08	1.07E-04	3.37E-08	1.43E-08
1545	495661.06, 3858	9.92E-05	3.13E-08	1.33E-08	1.21E-04	3.83E-08	1.63E-08	1.06E-04	3.36E-08	1.43E-08
1546	494311.06, 3858	1.21E-04	3.81E-08	1.61E-08	1.48E-04	4.66E-08	1.98E-08	1.29E-04	4.08E-08	1.73E-08
1547	494361.06, 3858	1.27E-04	4.00E-08	1.70E-08	1.55E-04	4.90E-08	2.08E-08	1.36E-04	4.29E-08	1.82E-08
1548	494411.06, 3858	1.34E-04	4.22E-08	1.79E-08	1.64E-04	5.17E-08	2.19E-08	1.43E-04	4.53E-08	1.92E-08
1549	494461.06, 3858	1.34E-04	4.24E-08	1.80E-08	1.64E-04	5.19E-08	2.20E-08	1.44E-04	4.55E-08	1.93E-08
1550	494511.06, 3858	1.33E-04	4.20E-08	1.78E-08	1.63E-04	5.15E-08	2.18E-08	1.43E-04	4.51E-08	1.91E-08
1551	494561.06, 3858	1.32E-04	4.18E-08	1.77E-08	1.62E-04	5.12E-08	2.17E-08	1.42E-04	4.49E-08	1.90E-08
1552	494611.06, 3858	1.31E-04	4.15E-08	1.76E-08	1.61E-04	5.08E-08	2.15E-08	1.41E-04	4.45E-08	1.89E-08
1553	494661.06, 3858	1.30E-04	4.09E-08	1.74E-08	1.59E-04	5.01E-08	2.13E-08	1.39E-04	4.39E-08	1.86E-08
1554	494711.06, 3858	1.27E-04	4.02E-08	1.71E-08	1.56E-04	4.93E-08	2.09E-08	1.37E-04	4.32E-08	1.83E-08
1555	494761.06, 3858	1.26E-04	3.97E-08	1.68E-08	1.54E-04	4.86E-08	2.06E-08	1.35E-04	4.26E-08	1.81E-08
1556	494811.06, 3858	1.23E-04	3.88E-08	1.65E-08	1.51E-04	4.76E-08	2.02E-08	1.32E-04	4.17E-08	1.77E-08
1557	494861.06, 3858	1.21E-04	3.81E-08	1.62E-08	1.48E-04	4.66E-08	1.98E-08	1.29E-04	4.09E-08	1.73E-08
1558	494911.06, 3858	1.18E-04	3.72E-08	1.58E-08	1.45E-04	4.56E-08	1.94E-08	1.27E-04	4.00E-08	1.70E-08
1559	494961.06, 3858	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.47E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
1560	495011.06, 3858	1.14E-04	3.59E-08	1.52E-08	1.39E-04	4.40E-08	1.87E-08	1.22E-04	3.86E-08	1.64E-08
1561	495061.06, 3858	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.79E-08	1.61E-08
1562	495111.06, 3858	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.23E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08

1563	495161.06, 3858	1.08E-04	3.40E-08	1.44E-08	1.32E-04	4.17E-08	1.77E-08	1.16E-04	3.65E-08	1.55E-08
1564	495211.06, 3858	1.06E-04	3.35E-08	1.42E-08	1.30E-04	4.10E-08	1.74E-08	1.14E-04	3.59E-08	1.52E-08
1565	495261.06, 3858	1.05E-04	3.33E-08	1.41E-08	1.29E-04	4.08E-08	1.73E-08	1.13E-04	3.57E-08	1.52E-08
1566	495311.06, 3858	1.05E-04	3.30E-08	1.40E-08	1.28E-04	4.04E-08	1.72E-08	1.12E-04	3.54E-08	1.50E-08
1567	495361.06, 3858	1.04E-04	3.28E-08	1.39E-08	1.27E-04	4.02E-08	1.71E-08	1.12E-04	3.52E-08	1.50E-08
1568	495411.06, 3858	1.04E-04	3.27E-08	1.39E-08	1.27E-04	4.01E-08	1.70E-08	1.11E-04	3.51E-08	1.49E-08
1569	495461.06, 3858	1.04E-04	3.27E-08	1.39E-08	1.27E-04	4.01E-08	1.70E-08	1.11E-04	3.51E-08	1.49E-08
1570	495511.06, 3858	1.03E-04	3.24E-08	1.37E-08	1.26E-04	3.97E-08	1.68E-08	1.10E-04	3.48E-08	1.47E-08
1571	495561.06, 3858	1.02E-04	3.21E-08	1.36E-08	1.25E-04	3.94E-08	1.67E-08	1.09E-04	3.45E-08	1.46E-08
1572	495611.06, 3858	1.01E-04	3.18E-08	1.35E-08	1.23E-04	3.89E-08	1.65E-08	1.08E-04	3.41E-08	1.45E-08
1573	495661.06, 3858	1.00E-04	3.17E-08	1.34E-08	1.23E-04	3.88E-08	1.65E-08	1.08E-04	3.40E-08	1.44E-08
1574	494311.06, 3858	1.22E-04	3.85E-08	1.63E-08	1.50E-04	4.72E-08	2.00E-08	1.31E-04	4.14E-08	1.75E-08
1575	494361.06, 3858	1.31E-04	4.12E-08	1.75E-08	1.60E-04	5.05E-08	2.14E-08	1.40E-04	4.42E-08	1.88E-08
1576	494411.06, 3858	1.35E-04	4.27E-08	1.81E-08	1.66E-04	5.23E-08	2.22E-08	1.45E-04	4.58E-08	1.95E-08
1577	494461.06, 3858	1.35E-04	4.27E-08	1.81E-08	1.66E-04	5.23E-08	2.22E-08	1.45E-04	4.58E-08	1.94E-08
1578	494511.06, 3858	1.35E-04	4.26E-08	1.81E-08	1.65E-04	5.22E-08	2.21E-08	1.45E-04	4.57E-08	1.94E-08
1579	494561.06, 3858	1.34E-04	4.23E-08	1.79E-08	1.64E-04	5.18E-08	2.20E-08	1.44E-04	4.54E-08	1.93E-08
1580	494611.06, 3858	1.31E-04	4.14E-08	1.76E-08	1.61E-04	5.07E-08	2.15E-08	1.41E-04	4.45E-08	1.89E-08
1581	494661.06, 3858	1.31E-04	4.13E-08	1.75E-08	1.60E-04	5.06E-08	2.15E-08	1.41E-04	4.44E-08	1.88E-08
1582	494711.06, 3858	1.25E-04	3.96E-08	1.68E-08	1.53E-04	4.84E-08	2.06E-08	1.34E-04	4.24E-08	1.80E-08
1583	494761.06, 3858	1.26E-04	3.99E-08	1.69E-08	1.55E-04	4.89E-08	2.07E-08	1.36E-04	4.28E-08	1.82E-08
1584	494811.06, 3858	1.24E-04	3.91E-08	1.66E-08	1.52E-04	4.79E-08	2.03E-08	1.33E-04	4.19E-08	1.78E-08
1585	494861.06, 3858	1.22E-04	3.84E-08	1.63E-08	1.49E-04	4.70E-08	2.00E-08	1.31E-04	4.12E-08	1.75E-08
1586	494911.06, 3858	1.20E-04	3.78E-08	1.61E-08	1.47E-04	4.63E-08	1.97E-08	1.29E-04	4.06E-08	1.72E-08
1587	494961.06, 3858	1.16E-04	3.67E-08	1.56E-08	1.42E-04	4.50E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
1588	495011.06, 3858	1.14E-04	3.60E-08	1.53E-08	1.40E-04	4.41E-08	1.87E-08	1.22E-04	3.87E-08	1.64E-08
1589	495061.06, 3858	1.13E-04	3.57E-08	1.51E-08	1.39E-04	4.37E-08	1.85E-08	1.21E-04	3.83E-08	1.63E-08
1590	495111.06, 3858	1.10E-04	3.49E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.19E-04	3.74E-08	1.59E-08
1591	495161.06, 3858	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.22E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
1592	495211.06, 3858	1.07E-04	3.39E-08	1.44E-08	1.32E-04	4.15E-08	1.76E-08	1.15E-04	3.64E-08	1.54E-08
1593	495261.06, 3858	1.07E-04	3.38E-08	1.43E-08	1.31E-04	4.14E-08	1.76E-08	1.15E-04	3.62E-08	1.54E-08
1594	495311.06, 3858	1.07E-04	3.36E-08	1.43E-08	1.31E-04	4.12E-08	1.75E-08	1.14E-04	3.61E-08	1.53E-08
1595	495361.06, 3858	1.06E-04	3.34E-08	1.42E-08	1.30E-04	4.09E-08	1.74E-08	1.14E-04	3.59E-08	1.52E-08
1596	495411.06, 3858	1.06E-04	3.34E-08	1.42E-08	1.30E-04	4.09E-08	1.73E-08	1.13E-04	3.58E-08	1.52E-08
1597	495461.06, 3858	1.05E-04	3.32E-08	1.41E-08	1.29E-04	4.07E-08	1.73E-08	1.13E-04	3.56E-08	1.51E-08
1598	495511.06, 3858	1.04E-04	3.29E-08	1.40E-08	1.28E-04	4.04E-08	1.71E-08	1.12E-04	3.54E-08	1.50E-08
1599	495561.06, 3858	1.03E-04	3.26E-08	1.38E-08	1.27E-04	4.00E-08	1.70E-08	1.11E-04	3.50E-08	1.49E-08
1600	495611.06, 3858	1.02E-04	3.23E-08	1.37E-08	1.25E-04	3.96E-08	1.68E-08	1.10E-04	3.47E-08	1.47E-08
1601	495661.06, 3858	1.02E-04	3.21E-08	1.36E-08	1.25E-04	3.93E-08	1.67E-08	1.09E-04	3.45E-08	1.46E-08
1602	494311.06, 3858	1.24E-04	3.92E-08	1.66E-08	1.52E-04	4.80E-08	2.04E-08	1.33E-04	4.20E-08	1.78E-08
1603	494361.06, 3858	1.34E-04	4.22E-08	1.79E-08	1.64E-04	5.17E-08	2.19E-08	1.44E-04	4.53E-08	1.92E-08
1604	494411.06, 3858	1.37E-04	4.33E-08	1.84E-08	1.68E-04	5.31E-08	2.25E-08	1.47E-04	4.65E-08	1.97E-08
1605	494461.06, 3858	1.37E-04	4.33E-08	1.84E-08	1.68E-04	5.30E-08	2.25E-08	1.47E-04	4.64E-08	1.97E-08
1606	494511.06, 3858	1.37E-04	4.33E-08	1.84E-08	1.68E-04	5.31E-08	2.25E-08	1.47E-04	4.65E-08	1.97E-08
1607	494561.06, 3858	1.36E-04	4.28E-08	1.82E-08	1.66E-04	5.24E-08	2.22E-08	1.46E-04	4.59E-08	1.95E-08
1608	494611.06, 3858	1.33E-04	4.21E-08	1.79E-08	1.63E-04	5.16E-08	2.19E-08	1.43E-04	4.52E-08	1.92E-08
1609	494661.06, 3858	1.32E-04	4.17E-08	1.77E-08	1.62E-04	5.10E-08	2.17E-08	1.42E-04	4.47E-08	1.90E-08
1610	494711.06, 3858	1.29E-04	4.07E-08	1.73E-08	1.58E-04	4.98E-08	2.11E-08	1.38E-04	4.36E-08	1.85E-08
1611	494761.06, 3858	1.28E-04	4.03E-08	1.71E-08	1.57E-04	4.94E-08	2.10E-08	1.37E-04	4.33E-08	1.84E-08
1612	494811.06, 3858	1.25E-04	3.94E-08	1.67E-08	1.53E-04	4.83E-08	2.05E-08	1.34E-04	4.23E-08	1.80E-08
1613	494861.06, 3858	1.22E-04	3.87E-08	1.64E-08	1.50E-04	4.74E-08	2.01E-08	1.31E-04	4.15E-08	1.76E-08
1614	494911.06, 3858	1.20E-04	3.78E-08	1.60E-08	1.47E-04	4.63E-08	1.96E-08	1.29E-04	4.06E-08	1.72E-08
1615	494961.06, 3858	1.18E-04	3.72E-08	1.58E-08	1.44E-04	4.55E-08	1.93E-08	1.26E-04	3.99E-08	1.69E-08
1616	495011.06, 3858	1.16E-04	3.68E-08	1.56E-08	1.43E-04	4.50E-08	1.91E-08	1.25E-04	3.95E-08	1.67E-08
1617	495061.06, 3858	1.14E-04	3.61E-08	1.53E-08	1.40E-04	4.42E-08	1.88E-08	1.23E-04	3.88E-08	1.64E-08
1618	495111.06, 3858	1.12E-04	3.54E-08	1.50E-08	1.37E-04	4.33E-08	1.84E-08	1.20E-04	3.80E-08	1.61E-08
1619	495161.06, 3858	1.11E-04	3.49E-08	1.48E-08	1.36E-04	4.28E-08	1.82E-08	1.19E-04	3.75E-08	1.59E-08
1620	495211.06, 3858	1.09E-04	3.44E-08	1.46E-08	1.33E-04	4.21E-08	1.79E-08	1.17E-04	3.69E-08	1.57E-08

1621	495261.06, 3858	1.08E-04	3.42E-08	1.45E-08	1.33E-04	4.19E-08	1.78E-08	1.16E-04	3.67E-08	1.56E-08
1622	495311.06, 3858	1.08E-04	3.41E-08	1.45E-08	1.32E-04	4.18E-08	1.77E-08	1.16E-04	3.66E-08	1.55E-08
1623	495361.06, 3858	1.07E-04	3.39E-08	1.44E-08	1.32E-04	4.15E-08	1.76E-08	1.15E-04	3.64E-08	1.54E-08
1624	495411.06, 3858	1.07E-04	3.39E-08	1.44E-08	1.32E-04	4.15E-08	1.76E-08	1.15E-04	3.64E-08	1.54E-08
1625	495461.06, 3858	1.07E-04	3.37E-08	1.43E-08	1.31E-04	4.13E-08	1.75E-08	1.15E-04	3.62E-08	1.54E-08
1626	495511.06, 3858	1.06E-04	3.35E-08	1.42E-08	1.30E-04	4.10E-08	1.74E-08	1.14E-04	3.59E-08	1.52E-08
1627	495561.06, 3858	1.05E-04	3.31E-08	1.41E-08	1.29E-04	4.06E-08	1.72E-08	1.13E-04	3.56E-08	1.51E-08
1628	495611.06, 3858	1.04E-04	3.28E-08	1.39E-08	1.27E-04	4.02E-08	1.71E-08	1.12E-04	3.52E-08	1.50E-08
1629	495661.06, 3858	1.03E-04	3.26E-08	1.38E-08	1.27E-04	3.99E-08	1.69E-08	1.11E-04	3.50E-08	1.48E-08
1630	494311.06, 3858	1.28E-04	4.04E-08	1.71E-08	1.57E-04	4.95E-08	2.10E-08	1.37E-04	4.34E-08	1.84E-08
1631	494361.06, 3858	1.36E-04	4.30E-08	1.82E-08	1.67E-04	5.26E-08	2.23E-08	1.46E-04	4.61E-08	1.96E-08
1632	494411.06, 3858	1.38E-04	4.35E-08	1.85E-08	1.69E-04	5.33E-08	2.26E-08	1.48E-04	4.67E-08	1.98E-08
1633	494461.06, 3858	1.39E-04	4.37E-08	1.86E-08	1.70E-04	5.36E-08	2.27E-08	1.49E-04	4.69E-08	1.99E-08
1634	494511.06, 3858	1.39E-04	4.38E-08	1.86E-08	1.70E-04	5.37E-08	2.28E-08	1.49E-04	4.70E-08	2.00E-08
1635	494561.06, 3858	1.38E-04	4.36E-08	1.85E-08	1.69E-04	5.34E-08	2.27E-08	1.48E-04	4.68E-08	1.98E-08
1636	494611.06, 3858	1.37E-04	4.32E-08	1.83E-08	1.67E-04	5.29E-08	2.24E-08	1.47E-04	4.63E-08	1.96E-08
1637	494661.06, 3858	1.34E-04	4.24E-08	1.80E-08	1.65E-04	5.20E-08	2.21E-08	1.44E-04	4.55E-08	1.93E-08
1638	494711.06, 3858	1.32E-04	4.16E-08	1.76E-08	1.61E-04	5.09E-08	2.16E-08	1.41E-04	4.46E-08	1.89E-08
1639	494761.06, 3858	1.29E-04	4.06E-08	1.72E-08	1.58E-04	4.97E-08	2.11E-08	1.38E-04	4.36E-08	1.85E-08
1640	494811.06, 3858	1.25E-04	3.96E-08	1.68E-08	1.54E-04	4.85E-08	2.06E-08	1.35E-04	4.25E-08	1.80E-08
1641	494861.06, 3858	1.24E-04	3.90E-08	1.66E-08	1.51E-04	4.78E-08	2.03E-08	1.33E-04	4.19E-08	1.78E-08
1642	494911.06, 3858	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.68E-08	1.99E-08	1.30E-04	4.10E-08	1.74E-08
1643	494961.06, 3858	1.19E-04	3.76E-08	1.60E-08	1.46E-04	4.61E-08	1.95E-08	1.28E-04	4.04E-08	1.71E-08
1644	495011.06, 3858	1.17E-04	3.70E-08	1.57E-08	1.43E-04	4.53E-08	1.92E-08	1.26E-04	3.97E-08	1.68E-08
1645	495061.06, 3858	1.16E-04	3.66E-08	1.55E-08	1.42E-04	4.48E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
1646	495111.06, 3858	1.13E-04	3.57E-08	1.52E-08	1.39E-04	4.38E-08	1.86E-08	1.21E-04	3.83E-08	1.63E-08
1647	495161.06, 3858	1.11E-04	3.51E-08	1.49E-08	1.36E-04	4.30E-08	1.83E-08	1.19E-04	3.77E-08	1.60E-08
1648	495211.06, 3858	1.10E-04	3.48E-08	1.48E-08	1.35E-04	4.26E-08	1.81E-08	1.18E-04	3.74E-08	1.59E-08
1649	495261.06, 3858	1.10E-04	3.47E-08	1.47E-08	1.35E-04	4.25E-08	1.80E-08	1.18E-04	3.72E-08	1.58E-08
1650	495311.06, 3858	1.10E-04	3.46E-08	1.47E-08	1.34E-04	4.24E-08	1.80E-08	1.18E-04	3.71E-08	1.57E-08
1651	495361.06, 3858	1.09E-04	3.44E-08	1.46E-08	1.33E-04	4.21E-08	1.79E-08	1.17E-04	3.69E-08	1.57E-08
1652	495411.06, 3858	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.22E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
1653	495461.06, 3858	1.09E-04	3.43E-08	1.45E-08	1.33E-04	4.20E-08	1.78E-08	1.17E-04	3.68E-08	1.56E-08
1654	495511.06, 3858	1.08E-04	3.39E-08	1.44E-08	1.32E-04	4.16E-08	1.76E-08	1.15E-04	3.64E-08	1.55E-08
1655	495561.06, 3858	1.07E-04	3.37E-08	1.43E-08	1.31E-04	4.13E-08	1.75E-08	1.15E-04	3.62E-08	1.53E-08
1656	495611.06, 3858	1.06E-04	3.33E-08	1.41E-08	1.29E-04	4.08E-08	1.73E-08	1.13E-04	3.57E-08	1.52E-08
1657	495661.06, 3858	1.05E-04	3.31E-08	1.41E-08	1.29E-04	4.06E-08	1.72E-08	1.13E-04	3.56E-08	1.51E-08
1658	494311.06, 3858	1.37E-04	4.31E-08	1.83E-08	1.67E-04	5.28E-08	2.24E-08	1.47E-04	4.63E-08	1.96E-08
1659	494361.06, 3858	1.41E-04	4.45E-08	1.89E-08	1.73E-04	5.45E-08	2.31E-08	1.51E-04	4.77E-08	2.03E-08
1660	494411.06, 3858	1.40E-04	4.43E-08	1.88E-08	1.72E-04	5.43E-08	2.30E-08	1.51E-04	4.75E-08	2.02E-08
1661	494461.06, 3858	1.40E-04	4.43E-08	1.88E-08	1.72E-04	5.43E-08	2.30E-08	1.51E-04	4.76E-08	2.02E-08
1662	494511.06, 3858	1.40E-04	4.42E-08	1.88E-08	1.72E-04	5.42E-08	2.30E-08	1.50E-04	4.75E-08	2.01E-08
1663	494561.06, 3858	1.39E-04	4.39E-08	1.86E-08	1.70E-04	5.38E-08	2.28E-08	1.49E-04	4.71E-08	2.00E-08
1664	494611.06, 3858	1.37E-04	4.34E-08	1.84E-08	1.68E-04	5.31E-08	2.25E-08	1.47E-04	4.65E-08	1.97E-08
1665	494661.06, 3858	1.35E-04	4.27E-08	1.81E-08	1.66E-04	5.23E-08	2.22E-08	1.45E-04	4.58E-08	1.94E-08
1666	494711.06, 3858	1.32E-04	4.17E-08	1.77E-08	1.62E-04	5.11E-08	2.17E-08	1.42E-04	4.48E-08	1.90E-08
1667	494761.06, 3858	1.29E-04	4.08E-08	1.73E-08	1.58E-04	4.99E-08	2.12E-08	1.39E-04	4.37E-08	1.86E-08
1668	494811.06, 3858	1.27E-04	4.00E-08	1.70E-08	1.55E-04	4.90E-08	2.08E-08	1.36E-04	4.29E-08	1.82E-08
1669	494861.06, 3858	1.25E-04	3.94E-08	1.67E-08	1.53E-04	4.83E-08	2.05E-08	1.34E-04	4.23E-08	1.80E-08
1670	494911.06, 3858	1.23E-04	3.87E-08	1.64E-08	1.50E-04	4.74E-08	2.01E-08	1.32E-04	4.16E-08	1.76E-08
1671	494961.06, 3858	1.21E-04	3.81E-08	1.62E-08	1.48E-04	4.66E-08	1.98E-08	1.29E-04	4.09E-08	1.73E-08
1672	495011.06, 3858	1.19E-04	3.76E-08	1.59E-08	1.46E-04	4.60E-08	1.95E-08	1.28E-04	4.03E-08	1.71E-08
1673	495061.06, 3858	1.17E-04	3.70E-08	1.57E-08	1.43E-04	4.53E-08	1.92E-08	1.26E-04	3.97E-08	1.68E-08
1674	495111.06, 3858	1.14E-04	3.58E-08	1.52E-08	1.39E-04	4.39E-08	1.86E-08	1.22E-04	3.85E-08	1.63E-08
1675	495161.06, 3858	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.79E-08	1.61E-08
1676	495211.06, 3858	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.79E-08	1.61E-08
1677	495261.06, 3858	1.11E-04	3.51E-08	1.49E-08	1.36E-04	4.30E-08	1.83E-08	1.19E-04	3.77E-08	1.60E-08
1678	495311.06, 3858	1.11E-04	3.51E-08	1.49E-08	1.36E-04	4.30E-08	1.82E-08	1.19E-04	3.77E-08	1.60E-08

1679	495361.06, 3858	1.11E-04	3.50E-08	1.48E-08	1.36E-04	4.28E-08	1.82E-08	1.19E-04	3.75E-08	1.59E-08
1680	495411.06, 3858	1.10E-04	3.48E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.18E-04	3.74E-08	1.59E-08
1681	495461.06, 3858	1.10E-04	3.48E-08	1.47E-08	1.35E-04	4.26E-08	1.81E-08	1.18E-04	3.73E-08	1.58E-08
1682	495511.06, 3858	1.10E-04	3.46E-08	1.47E-08	1.34E-04	4.24E-08	1.80E-08	1.18E-04	3.71E-08	1.57E-08
1683	495561.06, 3858	1.08E-04	3.40E-08	1.44E-08	1.32E-04	4.17E-08	1.77E-08	1.16E-04	3.65E-08	1.55E-08
1684	495611.06, 3858	1.06E-04	3.36E-08	1.43E-08	1.30E-04	4.12E-08	1.75E-08	1.14E-04	3.61E-08	1.53E-08
1685	495661.06, 3858	1.06E-04	3.35E-08	1.42E-08	1.30E-04	4.11E-08	1.74E-08	1.14E-04	3.60E-08	1.53E-08
1686	494311.06, 3858	1.40E-04	4.40E-08	1.87E-08	1.71E-04	5.40E-08	2.29E-08	1.50E-04	4.73E-08	2.01E-08
1687	494361.06, 3858	1.43E-04	4.50E-08	1.91E-08	1.75E-04	5.51E-08	2.34E-08	1.53E-04	4.83E-08	2.05E-08
1688	494411.06, 3858	1.43E-04	4.50E-08	1.91E-08	1.75E-04	5.51E-08	2.34E-08	1.53E-04	4.83E-08	2.05E-08
1689	494461.06, 3858	1.43E-04	4.50E-08	1.91E-08	1.75E-04	5.52E-08	2.34E-08	1.53E-04	4.83E-08	2.05E-08
1690	494511.06, 3858	1.42E-04	4.49E-08	1.91E-08	1.74E-04	5.50E-08	2.33E-08	1.53E-04	4.82E-08	2.04E-08
1691	494561.06, 3858	1.41E-04	4.44E-08	1.88E-08	1.72E-04	5.43E-08	2.31E-08	1.51E-04	4.76E-08	2.02E-08
1692	494611.06, 3858	1.38E-04	4.34E-08	1.84E-08	1.69E-04	5.32E-08	2.26E-08	1.48E-04	4.66E-08	1.98E-08
1693	494661.06, 3858	1.36E-04	4.29E-08	1.82E-08	1.66E-04	5.25E-08	2.23E-08	1.46E-04	4.60E-08	1.95E-08
1694	494711.06, 3858	1.33E-04	4.20E-08	1.78E-08	1.63E-04	5.15E-08	2.18E-08	1.43E-04	4.51E-08	1.91E-08
1695	494761.06, 3858	1.30E-04	4.10E-08	1.74E-08	1.59E-04	5.02E-08	2.13E-08	1.39E-04	4.40E-08	1.87E-08
1696	494811.06, 3858	1.28E-04	4.04E-08	1.71E-08	1.57E-04	4.94E-08	2.10E-08	1.37E-04	4.33E-08	1.84E-08
1697	494861.06, 3858	1.26E-04	3.99E-08	1.69E-08	1.55E-04	4.89E-08	2.07E-08	1.36E-04	4.28E-08	1.82E-08
1698	494911.06, 3858	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.76E-08	2.02E-08	1.32E-04	4.17E-08	1.77E-08
1699	494961.06, 3858	1.21E-04	3.83E-08	1.63E-08	1.49E-04	4.69E-08	1.99E-08	1.30E-04	4.11E-08	1.74E-08
1700	495011.06, 3858	1.20E-04	3.78E-08	1.60E-08	1.47E-04	4.63E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
1701	495061.06, 3858	1.17E-04	3.70E-08	1.57E-08	1.44E-04	4.53E-08	1.92E-08	1.26E-04	3.97E-08	1.68E-08
1702	495111.06, 3858	1.14E-04	3.59E-08	1.52E-08	1.39E-04	4.39E-08	1.86E-08	1.22E-04	3.85E-08	1.63E-08
1703	495161.06, 3858	1.13E-04	3.55E-08	1.51E-08	1.38E-04	4.35E-08	1.85E-08	1.21E-04	3.81E-08	1.62E-08
1704	495211.06, 3858	1.13E-04	3.57E-08	1.52E-08	1.39E-04	4.38E-08	1.86E-08	1.22E-04	3.84E-08	1.63E-08
1705	495261.06, 3858	1.13E-04	3.57E-08	1.51E-08	1.38E-04	4.37E-08	1.85E-08	1.21E-04	3.83E-08	1.62E-08
1706	495311.06, 3858	1.12E-04	3.55E-08	1.51E-08	1.38E-04	4.35E-08	1.84E-08	1.21E-04	3.81E-08	1.62E-08
1707	495361.06, 3858	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.33E-08	1.84E-08	1.20E-04	3.79E-08	1.61E-08
1708	495411.06, 3858	1.12E-04	3.54E-08	1.50E-08	1.37E-04	4.33E-08	1.84E-08	1.20E-04	3.79E-08	1.61E-08
1709	495461.06, 3858	1.11E-04	3.51E-08	1.49E-08	1.36E-04	4.30E-08	1.83E-08	1.19E-04	3.77E-08	1.60E-08
1710	495511.06, 3858	1.10E-04	3.48E-08	1.47E-08	1.35E-04	4.26E-08	1.81E-08	1.18E-04	3.73E-08	1.58E-08
1711	495561.06, 3858	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.22E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
1712	495611.06, 3858	1.08E-04	3.41E-08	1.44E-08	1.32E-04	4.17E-08	1.77E-08	1.16E-04	3.65E-08	1.55E-08
1713	495661.06, 3858	1.08E-04	3.40E-08	1.44E-08	1.32E-04	4.16E-08	1.77E-08	1.16E-04	3.65E-08	1.55E-08
1714	494311.06, 3858	1.44E-04	4.55E-08	1.93E-08	1.76E-04	5.57E-08	2.36E-08	1.55E-04	4.88E-08	2.07E-08
1715	494361.06, 3858	1.45E-04	4.58E-08	1.94E-08	1.78E-04	5.60E-08	2.38E-08	1.56E-04	4.91E-08	2.08E-08
1716	494411.06, 3858	1.44E-04	4.54E-08	1.92E-08	1.76E-04	5.56E-08	2.36E-08	1.54E-04	4.87E-08	2.07E-08
1717	494461.06, 3858	1.44E-04	4.54E-08	1.93E-08	1.76E-04	5.56E-08	2.36E-08	1.54E-04	4.87E-08	2.07E-08
1718	494511.06, 3858	1.43E-04	4.51E-08	1.91E-08	1.75E-04	5.52E-08	2.34E-08	1.53E-04	4.84E-08	2.05E-08
1719	494561.06, 3858	1.41E-04	4.46E-08	1.89E-08	1.73E-04	5.46E-08	2.32E-08	1.52E-04	4.78E-08	2.03E-08
1720	494611.06, 3858	1.39E-04	4.38E-08	1.86E-08	1.70E-04	5.37E-08	2.28E-08	1.49E-04	4.70E-08	2.00E-08
1721	494661.06, 3858	1.37E-04	4.31E-08	1.83E-08	1.67E-04	5.28E-08	2.24E-08	1.47E-04	4.63E-08	1.96E-08
1722	494711.06, 3858	1.33E-04	4.21E-08	1.79E-08	1.63E-04	5.16E-08	2.19E-08	1.43E-04	4.52E-08	1.92E-08
1723	494761.06, 3858	1.31E-04	4.13E-08	1.75E-08	1.60E-04	5.06E-08	2.15E-08	1.41E-04	4.44E-08	1.88E-08
1724	494811.06, 3858	1.29E-04	4.08E-08	1.73E-08	1.58E-04	5.00E-08	2.12E-08	1.39E-04	4.38E-08	1.86E-08
1725	494861.06, 3858	1.28E-04	4.03E-08	1.71E-08	1.56E-04	4.93E-08	2.09E-08	1.37E-04	4.32E-08	1.83E-08
1726	494911.06, 3858	1.25E-04	3.95E-08	1.68E-08	1.53E-04	4.84E-08	2.05E-08	1.34E-04	4.24E-08	1.80E-08
1727	494961.06, 3858	1.24E-04	3.91E-08	1.66E-08	1.52E-04	4.79E-08	2.03E-08	1.33E-04	4.20E-08	1.78E-08
1728	495011.06, 3858	1.20E-04	3.79E-08	1.61E-08	1.47E-04	4.64E-08	1.97E-08	1.29E-04	4.07E-08	1.73E-08
1729	495061.06, 3858	1.16E-04	3.68E-08	1.56E-08	1.43E-04	4.50E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
1730	495111.06, 3858	1.14E-04	3.59E-08	1.52E-08	1.39E-04	4.40E-08	1.87E-08	1.22E-04	3.85E-08	1.63E-08
1731	495161.06, 3858	1.15E-04	3.63E-08	1.54E-08	1.41E-04	4.44E-08	1.88E-08	1.23E-04	3.89E-08	1.65E-08
1732	495211.06, 3858	1.15E-04	3.62E-08	1.54E-08	1.40E-04	4.43E-08	1.88E-08	1.23E-04	3.89E-08	1.65E-08
1733	495261.06, 3858	1.14E-04	3.61E-08	1.53E-08	1.40E-04	4.43E-08	1.88E-08	1.23E-04	3.88E-08	1.65E-08
1734	495311.06, 3858	1.13E-04	3.57E-08	1.51E-08	1.39E-04	4.37E-08	1.86E-08	1.21E-04	3.83E-08	1.63E-08
1735	495361.06, 3858	1.13E-04	3.57E-08	1.51E-08	1.38E-04	4.37E-08	1.85E-08	1.21E-04	3.83E-08	1.62E-08
1736	495411.06, 3858	1.13E-04	3.57E-08	1.52E-08	1.39E-04	4.38E-08	1.86E-08	1.21E-04	3.83E-08	1.63E-08

1737	495461.06, 3858	1.13E-04	3.55E-08	1.51E-08	1.38E-04	4.35E-08	1.85E-08	1.21E-04	3.81E-08	1.62E-08
1738	495511.06, 3858	1.12E-04	3.55E-08	1.51E-08	1.38E-04	4.35E-08	1.84E-08	1.21E-04	3.81E-08	1.62E-08
1739	495561.06, 3858	1.11E-04	3.49E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.19E-04	3.74E-08	1.59E-08
1740	495611.06, 3858	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.23E-08	1.79E-08	1.17E-04	3.71E-08	1.57E-08
1741	495661.06, 3858	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.22E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
1742	494311.06, 3859	1.47E-04	4.63E-08	1.96E-08	1.79E-04	5.67E-08	2.40E-08	1.57E-04	4.96E-08	2.11E-08
1743	494361.06, 3859	1.46E-04	4.61E-08	1.96E-08	1.79E-04	5.65E-08	2.40E-08	1.57E-04	4.95E-08	2.10E-08
1744	494411.06, 3859	1.46E-04	4.60E-08	1.95E-08	1.78E-04	5.63E-08	2.39E-08	1.56E-04	4.93E-08	2.09E-08
1745	494461.06, 3859	1.45E-04	4.57E-08	1.94E-08	1.77E-04	5.60E-08	2.37E-08	1.55E-04	4.90E-08	2.08E-08
1746	494511.06, 3859	1.44E-04	4.54E-08	1.93E-08	1.76E-04	5.56E-08	2.36E-08	1.54E-04	4.87E-08	2.07E-08
1747	494561.06, 3859	1.42E-04	4.47E-08	1.90E-08	1.73E-04	5.47E-08	2.32E-08	1.52E-04	4.80E-08	2.04E-08
1748	494611.06, 3859	1.40E-04	4.40E-08	1.87E-08	1.71E-04	5.39E-08	2.29E-08	1.50E-04	4.73E-08	2.00E-08
1749	494661.06, 3859	1.37E-04	4.32E-08	1.83E-08	1.68E-04	5.29E-08	2.25E-08	1.47E-04	4.64E-08	1.97E-08
1750	494711.06, 3859	1.34E-04	4.22E-08	1.79E-08	1.64E-04	5.17E-08	2.20E-08	1.44E-04	4.53E-08	1.92E-08
1751	494761.06, 3859	1.32E-04	4.16E-08	1.77E-08	1.62E-04	5.10E-08	2.16E-08	1.42E-04	4.47E-08	1.90E-08
1752	494811.06, 3859	1.31E-04	4.13E-08	1.75E-08	1.60E-04	5.05E-08	2.14E-08	1.40E-04	4.43E-08	1.88E-08
1753	494861.06, 3859	1.29E-04	4.06E-08	1.72E-08	1.58E-04	4.97E-08	2.11E-08	1.38E-04	4.36E-08	1.85E-08
1754	494911.06, 3859	1.26E-04	3.99E-08	1.69E-08	1.55E-04	4.89E-08	2.07E-08	1.36E-04	4.28E-08	1.82E-08
1755	494961.06, 3859	1.24E-04	3.92E-08	1.66E-08	1.52E-04	4.80E-08	2.04E-08	1.33E-04	4.21E-08	1.78E-08
1756	495011.06, 3859	1.18E-04	3.73E-08	1.58E-08	1.45E-04	4.57E-08	1.94E-08	1.27E-04	4.00E-08	1.70E-08
1757	495061.06, 3859	1.17E-04	3.69E-08	1.57E-08	1.43E-04	4.52E-08	1.92E-08	1.25E-04	3.96E-08	1.68E-08
1758	495111.06, 3859	1.14E-04	3.61E-08	1.53E-08	1.40E-04	4.42E-08	1.88E-08	1.23E-04	3.87E-08	1.64E-08
1759	495161.06, 3859	1.16E-04	3.67E-08	1.56E-08	1.42E-04	4.49E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
1760	495211.06, 3859	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.47E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
1761	495261.06, 3859	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.47E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
1762	495311.06, 3859	1.15E-04	3.63E-08	1.54E-08	1.41E-04	4.44E-08	1.88E-08	1.23E-04	3.89E-08	1.65E-08
1763	495361.06, 3859	1.15E-04	3.62E-08	1.54E-08	1.41E-04	4.44E-08	1.88E-08	1.23E-04	3.89E-08	1.65E-08
1764	495411.06, 3859	1.14E-04	3.61E-08	1.53E-08	1.40E-04	4.42E-08	1.88E-08	1.23E-04	3.87E-08	1.64E-08
1765	495461.06, 3859	1.14E-04	3.60E-08	1.53E-08	1.40E-04	4.41E-08	1.87E-08	1.22E-04	3.86E-08	1.64E-08
1766	495511.06, 3859	1.13E-04	3.55E-08	1.51E-08	1.38E-04	4.35E-08	1.85E-08	1.21E-04	3.81E-08	1.62E-08
1767	495561.06, 3859	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.78E-08	1.61E-08
1768	495611.06, 3859	1.11E-04	3.50E-08	1.48E-08	1.36E-04	4.28E-08	1.82E-08	1.19E-04	3.75E-08	1.59E-08
1769	495661.06, 3859	1.11E-04	3.51E-08	1.49E-08	1.36E-04	4.30E-08	1.83E-08	1.19E-04	3.77E-08	1.60E-08
1770	494311.06, 3859	1.48E-04	4.67E-08	1.98E-08	1.81E-04	5.72E-08	2.43E-08	1.59E-04	5.01E-08	2.13E-08
1771	494361.06, 3859	1.48E-04	4.66E-08	1.98E-08	1.81E-04	5.71E-08	2.42E-08	1.59E-04	5.00E-08	2.12E-08
1772	494411.06, 3859	1.47E-04	4.62E-08	1.96E-08	1.79E-04	5.66E-08	2.40E-08	1.57E-04	4.96E-08	2.11E-08
1773	494461.06, 3859	1.45E-04	4.58E-08	1.94E-08	1.78E-04	5.61E-08	2.38E-08	1.56E-04	4.92E-08	2.09E-08
1774	494511.06, 3859	1.43E-04	4.52E-08	1.92E-08	1.76E-04	5.54E-08	2.35E-08	1.54E-04	4.85E-08	2.06E-08
1775	494561.06, 3859	1.42E-04	4.47E-08	1.90E-08	1.74E-04	5.48E-08	2.33E-08	1.52E-04	4.80E-08	2.04E-08
1776	494611.06, 3859	1.40E-04	4.41E-08	1.87E-08	1.71E-04	5.40E-08	2.29E-08	1.50E-04	4.73E-08	2.01E-08
1777	494661.06, 3859	1.37E-04	4.34E-08	1.84E-08	1.68E-04	5.31E-08	2.25E-08	1.47E-04	4.65E-08	1.97E-08
1778	494711.06, 3859	1.35E-04	4.27E-08	1.81E-08	1.66E-04	5.23E-08	2.22E-08	1.45E-04	4.58E-08	1.94E-08
1779	494761.06, 3859	1.33E-04	4.19E-08	1.78E-08	1.63E-04	5.14E-08	2.18E-08	1.43E-04	4.50E-08	1.91E-08
1780	494811.06, 3859	1.31E-04	4.14E-08	1.76E-08	1.61E-04	5.08E-08	2.15E-08	1.41E-04	4.45E-08	1.89E-08
1781	494861.06, 3859	1.30E-04	4.09E-08	1.74E-08	1.59E-04	5.01E-08	2.13E-08	1.39E-04	4.39E-08	1.86E-08
1782	494911.06, 3859	1.27E-04	4.01E-08	1.70E-08	1.56E-04	4.91E-08	2.08E-08	1.36E-04	4.30E-08	1.83E-08
1783	494961.06, 3859	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.76E-08	2.02E-08	1.32E-04	4.17E-08	1.77E-08
1784	495011.06, 3859	1.20E-04	3.79E-08	1.61E-08	1.47E-04	4.65E-08	1.97E-08	1.29E-04	4.07E-08	1.73E-08
1785	495061.06, 3859	1.18E-04	3.73E-08	1.58E-08	1.45E-04	4.57E-08	1.94E-08	1.27E-04	4.00E-08	1.70E-08
1786	495111.06, 3859	1.17E-04	3.70E-08	1.57E-08	1.43E-04	4.53E-08	1.92E-08	1.26E-04	3.97E-08	1.68E-08
1787	495161.06, 3859	1.18E-04	3.72E-08	1.58E-08	1.44E-04	4.56E-08	1.93E-08	1.27E-04	4.00E-08	1.70E-08
1788	495211.06, 3859	1.17E-04	3.68E-08	1.56E-08	1.43E-04	4.51E-08	1.91E-08	1.25E-04	3.95E-08	1.68E-08
1789	495261.06, 3859	1.17E-04	3.69E-08	1.57E-08	1.43E-04	4.52E-08	1.92E-08	1.26E-04	3.96E-08	1.68E-08
1790	495311.06, 3859	1.16E-04	3.67E-08	1.56E-08	1.42E-04	4.49E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
1791	495361.06, 3859	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.48E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
1792	495411.06, 3859	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.48E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
1793	495461.06, 3859	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.47E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
1794	495511.06, 3859	1.14E-04	3.60E-08	1.53E-08	1.40E-04	4.41E-08	1.87E-08	1.23E-04	3.87E-08	1.64E-08

1795	495561.06, 3859	1.13E-04	3.57E-08	1.51E-08	1.38E-04	4.37E-08	1.85E-08	1.21E-04	3.83E-08	1.62E-08
1796	495611.06, 3859	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.33E-08	1.84E-08	1.20E-04	3.79E-08	1.61E-08
1797	495661.06, 3859	1.12E-04	3.55E-08	1.51E-08	1.38E-04	4.35E-08	1.84E-08	1.21E-04	3.81E-08	1.62E-08
1798	494311.06, 3859	1.49E-04	4.70E-08	2.00E-08	1.83E-04	5.76E-08	2.44E-08	1.60E-04	5.05E-08	2.14E-08
1799	494361.06, 3859	1.48E-04	4.67E-08	1.98E-08	1.81E-04	5.72E-08	2.43E-08	1.59E-04	5.01E-08	2.13E-08
1800	494411.06, 3859	1.47E-04	4.64E-08	1.97E-08	1.80E-04	5.69E-08	2.41E-08	1.58E-04	4.98E-08	2.11E-08
1801	494461.06, 3859	1.46E-04	4.60E-08	1.95E-08	1.78E-04	5.63E-08	2.39E-08	1.56E-04	4.94E-08	2.09E-08
1802	494511.06, 3859	1.44E-04	4.53E-08	1.92E-08	1.76E-04	5.55E-08	2.36E-08	1.54E-04	4.87E-08	2.06E-08
1803	494561.06, 3859	1.42E-04	4.48E-08	1.90E-08	1.74E-04	5.49E-08	2.33E-08	1.52E-04	4.81E-08	2.04E-08
1804	494611.06, 3859	1.39E-04	4.40E-08	1.87E-08	1.71E-04	5.39E-08	2.29E-08	1.50E-04	4.72E-08	2.00E-08
1805	494661.06, 3859	1.38E-04	4.35E-08	1.85E-08	1.69E-04	5.33E-08	2.26E-08	1.48E-04	4.67E-08	1.98E-08
1806	494711.06, 3859	1.35E-04	4.26E-08	1.81E-08	1.65E-04	5.21E-08	2.21E-08	1.45E-04	4.57E-08	1.94E-08
1807	494761.06, 3859	1.34E-04	4.23E-08	1.80E-08	1.64E-04	5.18E-08	2.20E-08	1.44E-04	4.54E-08	1.93E-08
1808	494811.06, 3859	1.32E-04	4.17E-08	1.77E-08	1.62E-04	5.11E-08	2.17E-08	1.42E-04	4.47E-08	1.90E-08
1809	494861.06, 3859	1.30E-04	4.11E-08	1.75E-08	1.60E-04	5.04E-08	2.14E-08	1.40E-04	4.41E-08	1.87E-08
1810	494911.06, 3859	1.28E-04	4.03E-08	1.71E-08	1.56E-04	4.94E-08	2.10E-08	1.37E-04	4.33E-08	1.84E-08
1811	494961.06, 3859	1.24E-04	3.91E-08	1.66E-08	1.52E-04	4.78E-08	2.03E-08	1.33E-04	4.19E-08	1.78E-08
1812	495011.06, 3859	1.19E-04	3.77E-08	1.60E-08	1.46E-04	4.62E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
1813	495061.06, 3859	1.19E-04	3.77E-08	1.60E-08	1.46E-04	4.62E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
1814	495111.06, 3859	1.18E-04	3.73E-08	1.58E-08	1.45E-04	4.57E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
1815	495161.06, 3859	1.19E-04	3.76E-08	1.59E-08	1.46E-04	4.60E-08	1.95E-08	1.28E-04	4.03E-08	1.71E-08
1816	495211.06, 3859	1.18E-04	3.72E-08	1.58E-08	1.44E-04	4.56E-08	1.93E-08	1.27E-04	3.99E-08	1.69E-08
1817	495261.06, 3859	1.18E-04	3.72E-08	1.58E-08	1.44E-04	4.56E-08	1.93E-08	1.27E-04	3.99E-08	1.69E-08
1818	495311.06, 3859	1.18E-04	3.71E-08	1.57E-08	1.44E-04	4.55E-08	1.93E-08	1.26E-04	3.98E-08	1.69E-08
1819	495361.06, 3859	1.18E-04	3.71E-08	1.57E-08	1.44E-04	4.54E-08	1.93E-08	1.26E-04	3.98E-08	1.69E-08
1820	495411.06, 3859	1.17E-04	3.70E-08	1.57E-08	1.44E-04	4.53E-08	1.92E-08	1.26E-04	3.97E-08	1.69E-08
1821	495461.06, 3859	1.16E-04	3.67E-08	1.56E-08	1.43E-04	4.50E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
1822	495511.06, 3859	1.16E-04	3.66E-08	1.55E-08	1.42E-04	4.48E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
1823	495561.06, 3859	1.15E-04	3.62E-08	1.54E-08	1.40E-04	4.43E-08	1.88E-08	1.23E-04	3.88E-08	1.65E-08
1824	495611.06, 3859	1.13E-04	3.58E-08	1.52E-08	1.39E-04	4.39E-08	1.86E-08	1.22E-04	3.84E-08	1.63E-08
1825	495661.06, 3859	1.13E-04	3.58E-08	1.52E-08	1.39E-04	4.38E-08	1.86E-08	1.22E-04	3.84E-08	1.63E-08
1826	494311.06, 3859	1.49E-04	4.71E-08	2.00E-08	1.83E-04	5.77E-08	2.45E-08	1.60E-04	5.06E-08	2.15E-08
1827	494361.06, 3859	1.49E-04	4.69E-08	1.99E-08	1.82E-04	5.74E-08	2.44E-08	1.59E-04	5.03E-08	2.13E-08
1828	494411.06, 3859	1.47E-04	4.64E-08	1.97E-08	1.80E-04	5.68E-08	2.41E-08	1.58E-04	4.98E-08	2.11E-08
1829	494461.06, 3859	1.45E-04	4.59E-08	1.95E-08	1.78E-04	5.62E-08	2.38E-08	1.56E-04	4.92E-08	2.09E-08
1830	494511.06, 3859	1.43E-04	4.52E-08	1.92E-08	1.75E-04	5.54E-08	2.35E-08	1.54E-04	4.85E-08	2.06E-08
1831	494561.06, 3859	1.42E-04	4.48E-08	1.90E-08	1.74E-04	5.49E-08	2.33E-08	1.52E-04	4.81E-08	2.04E-08
1832	494611.06, 3859	1.40E-04	4.41E-08	1.87E-08	1.71E-04	5.40E-08	2.29E-08	1.50E-04	4.73E-08	2.01E-08
1833	494661.06, 3859	1.38E-04	4.37E-08	1.85E-08	1.69E-04	5.35E-08	2.27E-08	1.48E-04	4.69E-08	1.99E-08
1834	494711.06, 3859	1.37E-04	4.33E-08	1.84E-08	1.68E-04	5.30E-08	2.25E-08	1.47E-04	4.64E-08	1.97E-08
1835	494761.06, 3859	1.35E-04	4.25E-08	1.80E-08	1.65E-04	5.20E-08	2.21E-08	1.44E-04	4.56E-08	1.93E-08
1836	494811.06, 3859	1.32E-04	4.18E-08	1.77E-08	1.62E-04	5.12E-08	2.17E-08	1.42E-04	4.48E-08	1.90E-08
1837	494861.06, 3859	1.31E-04	4.13E-08	1.75E-08	1.60E-04	5.06E-08	2.15E-08	1.40E-04	4.43E-08	1.88E-08
1838	494911.06, 3859	1.28E-04	4.04E-08	1.72E-08	1.57E-04	4.95E-08	2.10E-08	1.37E-04	4.34E-08	1.84E-08
1839	494961.06, 3859	1.24E-04	3.93E-08	1.67E-08	1.52E-04	4.81E-08	2.04E-08	1.33E-04	4.21E-08	1.79E-08
1840	495011.06, 3859	1.21E-04	3.80E-08	1.61E-08	1.48E-04	4.66E-08	1.98E-08	1.29E-04	4.08E-08	1.73E-08
1841	495061.06, 3859	1.20E-04	3.79E-08	1.61E-08	1.47E-04	4.65E-08	1.97E-08	1.29E-04	4.07E-08	1.73E-08
1842	495111.06, 3859	1.19E-04	3.77E-08	1.60E-08	1.46E-04	4.62E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
1843	495161.06, 3859	1.20E-04	3.79E-08	1.61E-08	1.47E-04	4.65E-08	1.97E-08	1.29E-04	4.07E-08	1.73E-08
1844	495211.06, 3859	1.20E-04	3.77E-08	1.60E-08	1.46E-04	4.62E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
1845	495261.06, 3859	1.19E-04	3.76E-08	1.59E-08	1.46E-04	4.60E-08	1.95E-08	1.28E-04	4.03E-08	1.71E-08
1846	495311.06, 3859	1.19E-04	3.75E-08	1.59E-08	1.45E-04	4.59E-08	1.95E-08	1.27E-04	4.02E-08	1.71E-08
1847	495361.06, 3859	1.18E-04	3.73E-08	1.58E-08	1.45E-04	4.57E-08	1.94E-08	1.27E-04	4.00E-08	1.70E-08
1848	495411.06, 3859	1.19E-04	3.75E-08	1.59E-08	1.45E-04	4.59E-08	1.95E-08	1.27E-04	4.02E-08	1.71E-08
1849	495461.06, 3859	1.18E-04	3.73E-08	1.58E-08	1.45E-04	4.57E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
1850	495511.06, 3859	1.17E-04	3.69E-08	1.57E-08	1.43E-04	4.52E-08	1.92E-08	1.25E-04	3.96E-08	1.68E-08
1851	495561.06, 3859	1.16E-04	3.66E-08	1.55E-08	1.42E-04	4.48E-08	1.90E-08	1.24E-04	3.93E-08	1.67E-08
1852	495611.06, 3859	1.15E-04	3.63E-08	1.54E-08	1.41E-04	4.45E-08	1.89E-08	1.24E-04	3.90E-08	1.65E-08

1853	495661.06, 3859	1.14E-04	3.61E-08	1.53E-08	1.40E-04	4.43E-08	1.88E-08	1.23E-04	3.88E-08	1.65E-08
1854	494311.06, 3859	1.49E-04	4.71E-08	2.00E-08	1.83E-04	5.76E-08	2.45E-08	1.60E-04	5.05E-08	2.14E-08
1855	494361.06, 3859	1.48E-04	4.67E-08	1.98E-08	1.81E-04	5.73E-08	2.43E-08	1.59E-04	5.02E-08	2.13E-08
1856	494411.06, 3859	1.47E-04	4.63E-08	1.97E-08	1.80E-04	5.68E-08	2.41E-08	1.58E-04	4.97E-08	2.11E-08
1857	494461.06, 3859	1.45E-04	4.57E-08	1.94E-08	1.78E-04	5.60E-08	2.38E-08	1.56E-04	4.91E-08	2.08E-08
1858	494511.06, 3859	1.44E-04	4.53E-08	1.92E-08	1.76E-04	5.55E-08	2.36E-08	1.54E-04	4.86E-08	2.06E-08
1859	494561.06, 3859	1.41E-04	4.47E-08	1.89E-08	1.73E-04	5.47E-08	2.32E-08	1.52E-04	4.79E-08	2.03E-08
1860	494611.06, 3859	1.40E-04	4.41E-08	1.87E-08	1.71E-04	5.40E-08	2.29E-08	1.50E-04	4.73E-08	2.01E-08
1861	494661.06, 3859	1.38E-04	4.37E-08	1.85E-08	1.70E-04	5.35E-08	2.27E-08	1.49E-04	4.69E-08	1.99E-08
1862	494711.06, 3859	1.37E-04	4.32E-08	1.83E-08	1.68E-04	5.30E-08	2.25E-08	1.47E-04	4.64E-08	1.97E-08
1863	494761.06, 3859	1.35E-04	4.25E-08	1.80E-08	1.65E-04	5.21E-08	2.21E-08	1.45E-04	4.56E-08	1.94E-08
1864	494811.06, 3859	1.33E-04	4.19E-08	1.78E-08	1.63E-04	5.13E-08	2.18E-08	1.42E-04	4.50E-08	1.91E-08
1865	494861.06, 3859	1.31E-04	4.12E-08	1.75E-08	1.60E-04	5.05E-08	2.14E-08	1.40E-04	4.42E-08	1.88E-08
1866	494911.06, 3859	1.27E-04	4.02E-08	1.71E-08	1.56E-04	4.93E-08	2.09E-08	1.37E-04	4.32E-08	1.83E-08
1867	494961.06, 3859	1.24E-04	3.92E-08	1.66E-08	1.52E-04	4.80E-08	2.04E-08	1.33E-04	4.21E-08	1.79E-08
1868	495011.06, 3859	1.20E-04	3.79E-08	1.61E-08	1.47E-04	4.64E-08	1.97E-08	1.29E-04	4.06E-08	1.72E-08
1869	495061.06, 3859	1.21E-04	3.83E-08	1.63E-08	1.49E-04	4.69E-08	1.99E-08	1.30E-04	4.11E-08	1.75E-08
1870	495111.06, 3859	1.21E-04	3.83E-08	1.62E-08	1.49E-04	4.69E-08	1.99E-08	1.30E-04	4.11E-08	1.74E-08
1871	495161.06, 3859	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.68E-08	1.98E-08	1.30E-04	4.10E-08	1.74E-08
1872	495211.06, 3859	1.20E-04	3.79E-08	1.61E-08	1.47E-04	4.64E-08	1.97E-08	1.29E-04	4.07E-08	1.72E-08
1873	495261.06, 3859	1.20E-04	3.79E-08	1.61E-08	1.47E-04	4.64E-08	1.97E-08	1.29E-04	4.06E-08	1.72E-08
1874	495311.06, 3859	1.20E-04	3.77E-08	1.60E-08	1.46E-04	4.62E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
1875	495361.06, 3859	1.19E-04	3.77E-08	1.60E-08	1.46E-04	4.61E-08	1.96E-08	1.28E-04	4.04E-08	1.71E-08
1876	495411.06, 3859	1.20E-04	3.78E-08	1.60E-08	1.47E-04	4.62E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
1877	495461.06, 3859	1.19E-04	3.76E-08	1.59E-08	1.46E-04	4.60E-08	1.95E-08	1.28E-04	4.03E-08	1.71E-08
1878	495511.06, 3859	1.18E-04	3.74E-08	1.58E-08	1.45E-04	4.57E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
1879	495561.06, 3859	1.17E-04	3.69E-08	1.57E-08	1.43E-04	4.52E-08	1.92E-08	1.25E-04	3.96E-08	1.68E-08
1880	495611.06, 3859	1.16E-04	3.66E-08	1.55E-08	1.42E-04	4.48E-08	1.90E-08	1.24E-04	3.93E-08	1.67E-08
1881	495661.06, 3859	1.15E-04	3.64E-08	1.54E-08	1.41E-04	4.46E-08	1.89E-08	1.24E-04	3.90E-08	1.66E-08
1882	494311.06, 3859	1.49E-04	4.69E-08	1.99E-08	1.82E-04	5.75E-08	2.44E-08	1.60E-04	5.04E-08	2.14E-08
1883	494361.06, 3859	1.47E-04	4.65E-08	1.97E-08	1.81E-04	5.70E-08	2.42E-08	1.58E-04	4.99E-08	2.12E-08
1884	494411.06, 3859	1.46E-04	4.60E-08	1.95E-08	1.78E-04	5.63E-08	2.39E-08	1.56E-04	4.93E-08	2.09E-08
1885	494461.06, 3859	1.44E-04	4.56E-08	1.93E-08	1.77E-04	5.58E-08	2.37E-08	1.55E-04	4.89E-08	2.08E-08
1886	494511.06, 3859	1.42E-04	4.49E-08	1.91E-08	1.74E-04	5.50E-08	2.34E-08	1.53E-04	4.82E-08	2.05E-08
1887	494561.06, 3859	1.41E-04	4.45E-08	1.89E-08	1.73E-04	5.45E-08	2.31E-08	1.51E-04	4.78E-08	2.03E-08
1888	494611.06, 3859	1.39E-04	4.39E-08	1.86E-08	1.71E-04	5.38E-08	2.28E-08	1.49E-04	4.72E-08	2.00E-08
1889	494661.06, 3859	1.38E-04	4.36E-08	1.85E-08	1.69E-04	5.34E-08	2.27E-08	1.48E-04	4.68E-08	1.99E-08
1890	494711.06, 3859	1.37E-04	4.32E-08	1.83E-08	1.68E-04	5.29E-08	2.24E-08	1.47E-04	4.64E-08	1.97E-08
1891	494761.06, 3859	1.34E-04	4.21E-08	1.79E-08	1.64E-04	5.16E-08	2.19E-08	1.43E-04	4.52E-08	1.92E-08
1892	494811.06, 3859	1.33E-04	4.19E-08	1.78E-08	1.63E-04	5.14E-08	2.18E-08	1.43E-04	4.50E-08	1.91E-08
1893	494861.06, 3859	1.30E-04	4.09E-08	1.74E-08	1.59E-04	5.01E-08	2.13E-08	1.39E-04	4.39E-08	1.86E-08
1894	494911.06, 3859	1.27E-04	4.00E-08	1.70E-08	1.55E-04	4.90E-08	2.08E-08	1.36E-04	4.29E-08	1.82E-08
1895	494961.06, 3859	1.25E-04	3.95E-08	1.68E-08	1.53E-04	4.84E-08	2.05E-08	1.34E-04	4.24E-08	1.80E-08
1896	495011.06, 3859	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.77E-08	2.02E-08	1.32E-04	4.18E-08	1.77E-08
1897	495061.06, 3859	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.77E-08	2.02E-08	1.32E-04	4.18E-08	1.77E-08
1898	495111.06, 3859	1.23E-04	3.87E-08	1.64E-08	1.50E-04	4.74E-08	2.01E-08	1.32E-04	4.15E-08	1.76E-08
1899	495161.06, 3859	1.22E-04	3.86E-08	1.64E-08	1.50E-04	4.72E-08	2.00E-08	1.31E-04	4.14E-08	1.76E-08
1900	495211.06, 3859	1.21E-04	3.83E-08	1.62E-08	1.49E-04	4.69E-08	1.99E-08	1.30E-04	4.11E-08	1.74E-08
1901	495261.06, 3859	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.68E-08	1.99E-08	1.30E-04	4.10E-08	1.74E-08
1902	495311.06, 3859	1.21E-04	3.81E-08	1.62E-08	1.48E-04	4.67E-08	1.98E-08	1.30E-04	4.09E-08	1.74E-08
1903	495361.06, 3859	1.20E-04	3.80E-08	1.61E-08	1.47E-04	4.65E-08	1.97E-08	1.29E-04	4.08E-08	1.73E-08
1904	495411.06, 3859	1.20E-04	3.80E-08	1.61E-08	1.48E-04	4.66E-08	1.98E-08	1.29E-04	4.08E-08	1.73E-08
1905	495461.06, 3859	1.20E-04	3.78E-08	1.60E-08	1.47E-04	4.63E-08	1.97E-08	1.29E-04	4.06E-08	1.72E-08
1906	495511.06, 3859	1.18E-04	3.74E-08	1.59E-08	1.45E-04	4.58E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
1907	495561.06, 3859	1.18E-04	3.71E-08	1.58E-08	1.44E-04	4.55E-08	1.93E-08	1.26E-04	3.99E-08	1.69E-08
1908	495611.06, 3859	1.16E-04	3.68E-08	1.56E-08	1.43E-04	4.50E-08	1.91E-08	1.25E-04	3.95E-08	1.67E-08
1909	495661.06, 3859	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.47E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
1910	494311.06, 3859	1.48E-04	4.67E-08	1.98E-08	1.81E-04	5.72E-08	2.43E-08	1.59E-04	5.01E-08	2.13E-08

1911	494361.06, 3859	1.47E-04	4.63E-08	1.96E-08	1.80E-04	5.67E-08	2.41E-08	1.57E-04	4.97E-08	2.11E-08
1912	494411.06, 3859	1.45E-04	4.58E-08	1.94E-08	1.78E-04	5.60E-08	2.38E-08	1.56E-04	4.91E-08	2.08E-08
1913	494461.06, 3859	1.43E-04	4.52E-08	1.92E-08	1.75E-04	5.54E-08	2.35E-08	1.54E-04	4.85E-08	2.06E-08
1914	494511.06, 3859	1.42E-04	4.47E-08	1.90E-08	1.74E-04	5.48E-08	2.32E-08	1.52E-04	4.80E-08	2.04E-08
1915	494561.06, 3859	1.40E-04	4.43E-08	1.88E-08	1.72E-04	5.43E-08	2.30E-08	1.51E-04	4.76E-08	2.02E-08
1916	494611.06, 3859	1.39E-04	4.39E-08	1.86E-08	1.70E-04	5.37E-08	2.28E-08	1.49E-04	4.71E-08	2.00E-08
1917	494661.06, 3859	1.38E-04	4.34E-08	1.84E-08	1.69E-04	5.32E-08	2.26E-08	1.48E-04	4.66E-08	1.98E-08
1918	494711.06, 3859	1.36E-04	4.29E-08	1.82E-08	1.66E-04	5.25E-08	2.23E-08	1.46E-04	4.60E-08	1.95E-08
1919	494761.06, 3859	1.34E-04	4.24E-08	1.80E-08	1.65E-04	5.20E-08	2.20E-08	1.44E-04	4.55E-08	1.93E-08
1920	494811.06, 3859	1.32E-04	4.17E-08	1.77E-08	1.62E-04	5.11E-08	2.17E-08	1.42E-04	4.48E-08	1.90E-08
1921	494861.06, 3859	1.29E-04	4.07E-08	1.73E-08	1.58E-04	4.99E-08	2.12E-08	1.39E-04	4.37E-08	1.85E-08
1922	494911.06, 3859	1.27E-04	4.02E-08	1.71E-08	1.56E-04	4.93E-08	2.09E-08	1.37E-04	4.32E-08	1.83E-08
1923	494961.06, 3859	1.24E-04	3.92E-08	1.66E-08	1.52E-04	4.80E-08	2.04E-08	1.33E-04	4.21E-08	1.79E-08
1924	495011.06, 3859	1.23E-04	3.88E-08	1.65E-08	1.51E-04	4.76E-08	2.02E-08	1.32E-04	4.17E-08	1.77E-08
1925	495061.06, 3859	1.24E-04	3.93E-08	1.67E-08	1.52E-04	4.81E-08	2.04E-08	1.33E-04	4.21E-08	1.79E-08
1926	495111.06, 3859	1.23E-04	3.87E-08	1.64E-08	1.50E-04	4.74E-08	2.01E-08	1.32E-04	4.15E-08	1.76E-08
1927	495161.06, 3859	1.22E-04	3.86E-08	1.64E-08	1.50E-04	4.72E-08	2.00E-08	1.31E-04	4.14E-08	1.76E-08
1928	495211.06, 3859	1.22E-04	3.87E-08	1.64E-08	1.50E-04	4.73E-08	2.01E-08	1.31E-04	4.15E-08	1.76E-08
1929	495261.06, 3859	1.22E-04	3.86E-08	1.64E-08	1.50E-04	4.73E-08	2.01E-08	1.31E-04	4.14E-08	1.76E-08
1930	495311.06, 3859	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.68E-08	1.99E-08	1.30E-04	4.10E-08	1.74E-08
1931	495361.06, 3859	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.68E-08	1.99E-08	1.30E-04	4.10E-08	1.74E-08
1932	495411.06, 3859	1.21E-04	3.81E-08	1.62E-08	1.48E-04	4.66E-08	1.98E-08	1.29E-04	4.09E-08	1.73E-08
1933	495461.06, 3859	1.20E-04	3.80E-08	1.61E-08	1.47E-04	4.65E-08	1.97E-08	1.29E-04	4.08E-08	1.73E-08
1934	495511.06, 3859	1.19E-04	3.77E-08	1.60E-08	1.46E-04	4.61E-08	1.96E-08	1.28E-04	4.04E-08	1.71E-08
1935	495561.06, 3859	1.18E-04	3.71E-08	1.57E-08	1.44E-04	4.55E-08	1.93E-08	1.26E-04	3.98E-08	1.69E-08
1936	495611.06, 3859	1.17E-04	3.69E-08	1.56E-08	1.43E-04	4.52E-08	1.92E-08	1.25E-04	3.96E-08	1.68E-08
1937	495661.06, 3859	1.16E-04	3.66E-08	1.55E-08	1.42E-04	4.49E-08	1.90E-08	1.25E-04	3.93E-08	1.67E-08
1938	494311.06, 3859	1.47E-04	4.63E-08	1.97E-08	1.80E-04	5.67E-08	2.41E-08	1.58E-04	4.97E-08	2.11E-08
1939	494361.06, 3859	1.45E-04	4.59E-08	1.95E-08	1.78E-04	5.62E-08	2.39E-08	1.56E-04	4.93E-08	2.09E-08
1940	494411.06, 3859	1.44E-04	4.54E-08	1.92E-08	1.76E-04	5.56E-08	2.36E-08	1.54E-04	4.87E-08	2.07E-08
1941	494461.06, 3859	1.42E-04	4.49E-08	1.90E-08	1.74E-04	5.50E-08	2.33E-08	1.53E-04	4.82E-08	2.04E-08
1942	494511.06, 3859	1.41E-04	4.44E-08	1.88E-08	1.72E-04	5.44E-08	2.31E-08	1.51E-04	4.77E-08	2.02E-08
1943	494561.06, 3859	1.40E-04	4.41E-08	1.87E-08	1.71E-04	5.40E-08	2.29E-08	1.50E-04	4.73E-08	2.01E-08
1944	494611.06, 3859	1.38E-04	4.37E-08	1.85E-08	1.69E-04	5.35E-08	2.27E-08	1.49E-04	4.69E-08	1.99E-08
1945	494661.06, 3859	1.37E-04	4.33E-08	1.84E-08	1.68E-04	5.30E-08	2.25E-08	1.47E-04	4.64E-08	1.97E-08
1946	494711.06, 3859	1.35E-04	4.27E-08	1.81E-08	1.66E-04	5.23E-08	2.22E-08	1.45E-04	4.58E-08	1.94E-08
1947	494761.06, 3859	1.33E-04	4.20E-08	1.78E-08	1.63E-04	5.15E-08	2.18E-08	1.43E-04	4.51E-08	1.91E-08
1948	494811.06, 3859	1.30E-04	4.10E-08	1.74E-08	1.59E-04	5.03E-08	2.13E-08	1.40E-04	4.40E-08	1.87E-08
1949	494861.06, 3859	1.29E-04	4.06E-08	1.72E-08	1.58E-04	4.98E-08	2.11E-08	1.38E-04	4.36E-08	1.85E-08
1950	494911.06, 3859	1.28E-04	4.04E-08	1.71E-08	1.57E-04	4.94E-08	2.10E-08	1.37E-04	4.33E-08	1.84E-08
1951	494961.06, 3859	1.26E-04	3.99E-08	1.69E-08	1.55E-04	4.89E-08	2.07E-08	1.36E-04	4.28E-08	1.82E-08
1952	495011.06, 3859	1.25E-04	3.95E-08	1.68E-08	1.53E-04	4.84E-08	2.06E-08	1.34E-04	4.24E-08	1.80E-08
1953	495061.06, 3859	1.26E-04	3.97E-08	1.68E-08	1.54E-04	4.86E-08	2.06E-08	1.35E-04	4.26E-08	1.81E-08
1954	495111.06, 3859	1.25E-04	3.93E-08	1.67E-08	1.53E-04	4.82E-08	2.04E-08	1.34E-04	4.22E-08	1.79E-08
1955	495161.06, 3859	1.24E-04	3.91E-08	1.66E-08	1.52E-04	4.79E-08	2.03E-08	1.33E-04	4.20E-08	1.78E-08
1956	495211.06, 3859	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.77E-08	2.02E-08	1.32E-04	4.18E-08	1.77E-08
1957	495261.06, 3859	1.23E-04	3.88E-08	1.65E-08	1.51E-04	4.76E-08	2.02E-08	1.32E-04	4.17E-08	1.77E-08
1958	495311.06, 3859	1.22E-04	3.85E-08	1.63E-08	1.50E-04	4.72E-08	2.00E-08	1.31E-04	4.13E-08	1.75E-08
1959	495361.06, 3859	1.21E-04	3.83E-08	1.63E-08	1.49E-04	4.70E-08	1.99E-08	1.30E-04	4.11E-08	1.75E-08
1960	495411.06, 3859	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.68E-08	1.99E-08	1.30E-04	4.10E-08	1.74E-08
1961	495461.06, 3859	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.68E-08	1.98E-08	1.30E-04	4.10E-08	1.74E-08
1962	495511.06, 3859	1.20E-04	3.78E-08	1.60E-08	1.47E-04	4.62E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
1963	495561.06, 3859	1.19E-04	3.74E-08	1.59E-08	1.45E-04	4.58E-08	1.95E-08	1.27E-04	4.02E-08	1.70E-08
1964	495611.06, 3859	1.18E-04	3.72E-08	1.58E-08	1.44E-04	4.56E-08	1.93E-08	1.26E-04	3.99E-08	1.69E-08
1965	495661.06, 3859	1.16E-04	3.67E-08	1.56E-08	1.43E-04	4.50E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
1966	494311.06, 3859	1.46E-04	4.60E-08	1.95E-08	1.78E-04	5.63E-08	2.39E-08	1.56E-04	4.94E-08	2.09E-08
1967	494361.06, 3859	1.44E-04	4.55E-08	1.93E-08	1.76E-04	5.57E-08	2.36E-08	1.55E-04	4.88E-08	2.07E-08
1968	494411.06, 3859	1.42E-04	4.49E-08	1.91E-08	1.74E-04	5.51E-08	2.34E-08	1.53E-04	4.82E-08	2.05E-08

1969	494461.06, 3859	1.41E-04	4.45E-08	1.89E-08	1.73E-04	5.45E-08	2.31E-08	1.51E-04	4.78E-08	2.03E-08
1970	494511.06, 3859	1.40E-04	4.42E-08	1.88E-08	1.72E-04	5.42E-08	2.30E-08	1.50E-04	4.75E-08	2.01E-08
1971	494561.06, 3859	1.39E-04	4.39E-08	1.86E-08	1.70E-04	5.37E-08	2.28E-08	1.49E-04	4.71E-08	2.00E-08
1972	494611.06, 3859	1.38E-04	4.34E-08	1.84E-08	1.69E-04	5.32E-08	2.26E-08	1.48E-04	4.66E-08	1.98E-08
1973	494661.06, 3859	1.37E-04	4.31E-08	1.83E-08	1.67E-04	5.28E-08	2.24E-08	1.47E-04	4.63E-08	1.96E-08
1974	494711.06, 3859	1.35E-04	4.27E-08	1.81E-08	1.66E-04	5.23E-08	2.22E-08	1.45E-04	4.58E-08	1.95E-08
1975	494761.06, 3859	1.33E-04	4.20E-08	1.78E-08	1.63E-04	5.15E-08	2.18E-08	1.43E-04	4.51E-08	1.91E-08
1976	494811.06, 3859	1.31E-04	4.15E-08	1.76E-08	1.61E-04	5.08E-08	2.15E-08	1.41E-04	4.45E-08	1.89E-08
1977	494861.06, 3859	1.29E-04	4.07E-08	1.73E-08	1.58E-04	4.99E-08	2.12E-08	1.39E-04	4.37E-08	1.86E-08
1978	494911.06, 3859	1.28E-04	4.03E-08	1.71E-08	1.56E-04	4.94E-08	2.09E-08	1.37E-04	4.33E-08	1.84E-08
1979	494961.06, 3859	1.27E-04	4.00E-08	1.70E-08	1.55E-04	4.90E-08	2.08E-08	1.36E-04	4.30E-08	1.82E-08
1980	495011.06, 3859	1.26E-04	3.98E-08	1.69E-08	1.55E-04	4.88E-08	2.07E-08	1.35E-04	4.28E-08	1.81E-08
1981	495061.06, 3859	1.26E-04	3.97E-08	1.69E-08	1.54E-04	4.87E-08	2.06E-08	1.35E-04	4.26E-08	1.81E-08
1982	495111.06, 3859	1.25E-04	3.93E-08	1.67E-08	1.53E-04	4.82E-08	2.04E-08	1.34E-04	4.22E-08	1.79E-08
1983	495161.06, 3859	1.24E-04	3.92E-08	1.66E-08	1.52E-04	4.80E-08	2.04E-08	1.33E-04	4.21E-08	1.78E-08
1984	495211.06, 3859	1.24E-04	3.91E-08	1.66E-08	1.52E-04	4.79E-08	2.03E-08	1.33E-04	4.20E-08	1.78E-08
1985	495261.06, 3859	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.77E-08	2.02E-08	1.32E-04	4.18E-08	1.77E-08
1986	495311.06, 3859	1.23E-04	3.87E-08	1.64E-08	1.50E-04	4.74E-08	2.01E-08	1.32E-04	4.15E-08	1.76E-08
1987	495361.06, 3859	1.22E-04	3.87E-08	1.64E-08	1.50E-04	4.73E-08	2.01E-08	1.31E-04	4.15E-08	1.76E-08
1988	495411.06, 3859	1.22E-04	3.85E-08	1.63E-08	1.49E-04	4.72E-08	2.00E-08	1.31E-04	4.13E-08	1.75E-08
1989	495461.06, 3859	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.68E-08	1.99E-08	1.30E-04	4.10E-08	1.74E-08
1990	495511.06, 3859	1.20E-04	3.78E-08	1.60E-08	1.47E-04	4.63E-08	1.97E-08	1.29E-04	4.06E-08	1.72E-08
1991	495561.06, 3859	1.18E-04	3.74E-08	1.58E-08	1.45E-04	4.58E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
1992	495611.06, 3859	1.18E-04	3.71E-08	1.57E-08	1.44E-04	4.54E-08	1.93E-08	1.26E-04	3.98E-08	1.69E-08
1993	495661.06, 3859	1.17E-04	3.69E-08	1.56E-08	1.43E-04	4.52E-08	1.92E-08	1.25E-04	3.96E-08	1.68E-08
1994	494311.06, 3859	1.44E-04	4.54E-08	1.93E-08	1.76E-04	5.57E-08	2.36E-08	1.55E-04	4.88E-08	2.07E-08
1995	494361.06, 3859	1.43E-04	4.50E-08	1.91E-08	1.75E-04	5.51E-08	2.34E-08	1.53E-04	4.83E-08	2.05E-08
1996	494411.06, 3859	1.41E-04	4.44E-08	1.88E-08	1.72E-04	5.44E-08	2.31E-08	1.51E-04	4.77E-08	2.02E-08
1997	494461.06, 3859	1.40E-04	4.41E-08	1.87E-08	1.71E-04	5.41E-08	2.29E-08	1.50E-04	4.74E-08	2.01E-08
1998	494511.06, 3859	1.39E-04	4.38E-08	1.86E-08	1.70E-04	5.36E-08	2.27E-08	1.49E-04	4.70E-08	1.99E-08
1999	494561.06, 3859	1.38E-04	4.34E-08	1.84E-08	1.69E-04	5.32E-08	2.26E-08	1.48E-04	4.66E-08	1.98E-08
2000	494611.06, 3859	1.37E-04	4.32E-08	1.83E-08	1.68E-04	5.29E-08	2.25E-08	1.47E-04	4.64E-08	1.97E-08
2001	494661.06, 3859	1.36E-04	4.28E-08	1.82E-08	1.66E-04	5.24E-08	2.22E-08	1.45E-04	4.59E-08	1.95E-08
2002	494711.06, 3859	1.34E-04	4.23E-08	1.80E-08	1.64E-04	5.19E-08	2.20E-08	1.44E-04	4.55E-08	1.93E-08
2003	494761.06, 3859	1.33E-04	4.20E-08	1.78E-08	1.63E-04	5.14E-08	2.18E-08	1.43E-04	4.51E-08	1.91E-08
2004	494811.06, 3859	1.31E-04	4.14E-08	1.76E-08	1.61E-04	5.07E-08	2.15E-08	1.41E-04	4.45E-08	1.89E-08
2005	494861.06, 3859	1.30E-04	4.09E-08	1.74E-08	1.59E-04	5.01E-08	2.13E-08	1.39E-04	4.39E-08	1.86E-08
2006	494911.06, 3859	1.29E-04	4.06E-08	1.72E-08	1.57E-04	4.97E-08	2.11E-08	1.38E-04	4.35E-08	1.85E-08
2007	494961.06, 3859	1.28E-04	4.03E-08	1.71E-08	1.57E-04	4.94E-08	2.10E-08	1.37E-04	4.33E-08	1.84E-08
2008	495011.06, 3859	1.27E-04	4.00E-08	1.70E-08	1.55E-04	4.90E-08	2.08E-08	1.36E-04	4.30E-08	1.82E-08
2009	495061.06, 3859	1.26E-04	3.98E-08	1.69E-08	1.54E-04	4.87E-08	2.07E-08	1.35E-04	4.27E-08	1.81E-08
2010	495111.06, 3859	1.25E-04	3.95E-08	1.67E-08	1.53E-04	4.83E-08	2.05E-08	1.34E-04	4.24E-08	1.80E-08
2011	495161.06, 3859	1.25E-04	3.93E-08	1.67E-08	1.53E-04	4.82E-08	2.04E-08	1.34E-04	4.22E-08	1.79E-08
2012	495211.06, 3859	1.24E-04	3.92E-08	1.66E-08	1.52E-04	4.80E-08	2.04E-08	1.33E-04	4.21E-08	1.79E-08
2013	495261.06, 3859	1.24E-04	3.91E-08	1.66E-08	1.52E-04	4.79E-08	2.03E-08	1.33E-04	4.20E-08	1.78E-08
2014	495311.06, 3859	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.76E-08	2.02E-08	1.32E-04	4.17E-08	1.77E-08
2015	495361.06, 3859	1.23E-04	3.87E-08	1.64E-08	1.50E-04	4.74E-08	2.01E-08	1.32E-04	4.15E-08	1.76E-08
2016	495411.06, 3859	1.22E-04	3.84E-08	1.63E-08	1.49E-04	4.71E-08	2.00E-08	1.31E-04	4.13E-08	1.75E-08
2017	495461.06, 3859	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.68E-08	1.99E-08	1.30E-04	4.11E-08	1.74E-08
2018	495511.06, 3859	1.20E-04	3.78E-08	1.60E-08	1.47E-04	4.63E-08	1.96E-08	1.29E-04	4.06E-08	1.72E-08
2019	495561.06, 3859	1.19E-04	3.75E-08	1.59E-08	1.46E-04	4.60E-08	1.95E-08	1.28E-04	4.03E-08	1.71E-08
2020	495611.06, 3859	1.18E-04	3.72E-08	1.58E-08	1.45E-04	4.56E-08	1.94E-08	1.27E-04	4.00E-08	1.70E-08
2021	495661.06, 3859	1.17E-04	3.70E-08	1.57E-08	1.44E-04	4.53E-08	1.92E-08	1.26E-04	3.97E-08	1.68E-08
2022	494311.06, 3859	1.42E-04	4.50E-08	1.91E-08	1.74E-04	5.51E-08	2.34E-08	1.53E-04	4.83E-08	2.05E-08
2023	494361.06, 3859	1.41E-04	4.45E-08	1.89E-08	1.73E-04	5.46E-08	2.31E-08	1.51E-04	4.78E-08	2.03E-08
2024	494411.06, 3859	1.39E-04	4.39E-08	1.86E-08	1.70E-04	5.37E-08	2.28E-08	1.49E-04	4.71E-08	2.00E-08
2025	494461.06, 3859	1.39E-04	4.38E-08	1.86E-08	1.70E-04	5.36E-08	2.28E-08	1.49E-04	4.70E-08	1.99E-08
2026	494511.06, 3859	1.37E-04	4.34E-08	1.84E-08	1.68E-04	5.31E-08	2.25E-08	1.47E-04	4.66E-08	1.98E-08

2027	494561.06, 3859	1.36E-04	4.30E-08	1.82E-08	1.67E-04	5.27E-08	2.23E-08	1.46E-04	4.62E-08	1.96E-08
2028	494611.06, 3859	1.36E-04	4.30E-08	1.82E-08	1.67E-04	5.26E-08	2.23E-08	1.46E-04	4.61E-08	1.96E-08
2029	494661.06, 3859	1.35E-04	4.25E-08	1.80E-08	1.65E-04	5.21E-08	2.21E-08	1.45E-04	4.56E-08	1.94E-08
2030	494711.06, 3859	1.33E-04	4.20E-08	1.78E-08	1.63E-04	5.14E-08	2.18E-08	1.43E-04	4.50E-08	1.91E-08
2031	494761.06, 3859	1.32E-04	4.18E-08	1.77E-08	1.62E-04	5.12E-08	2.17E-08	1.42E-04	4.49E-08	1.90E-08
2032	494811.06, 3859	1.30E-04	4.11E-08	1.74E-08	1.60E-04	5.04E-08	2.14E-08	1.40E-04	4.41E-08	1.87E-08
2033	494861.06, 3859	1.29E-04	4.08E-08	1.73E-08	1.58E-04	5.00E-08	2.12E-08	1.39E-04	4.38E-08	1.86E-08
2034	494911.06, 3859	1.29E-04	4.06E-08	1.72E-08	1.58E-04	4.97E-08	2.11E-08	1.38E-04	4.36E-08	1.85E-08
2035	494961.06, 3859	1.27E-04	4.02E-08	1.71E-08	1.56E-04	4.92E-08	2.09E-08	1.37E-04	4.31E-08	1.83E-08
2036	495011.06, 3859	1.27E-04	4.00E-08	1.70E-08	1.55E-04	4.90E-08	2.08E-08	1.36E-04	4.29E-08	1.82E-08
2037	495061.06, 3859	1.26E-04	3.98E-08	1.69E-08	1.55E-04	4.88E-08	2.07E-08	1.35E-04	4.27E-08	1.81E-08
2038	495111.06, 3859	1.25E-04	3.94E-08	1.67E-08	1.53E-04	4.83E-08	2.05E-08	1.34E-04	4.23E-08	1.80E-08
2039	495161.06, 3859	1.24E-04	3.93E-08	1.67E-08	1.52E-04	4.81E-08	2.04E-08	1.34E-04	4.22E-08	1.79E-08
2040	495211.06, 3859	1.24E-04	3.92E-08	1.66E-08	1.52E-04	4.80E-08	2.04E-08	1.33E-04	4.21E-08	1.78E-08
2041	495261.06, 3859	1.24E-04	3.90E-08	1.66E-08	1.51E-04	4.78E-08	2.03E-08	1.33E-04	4.19E-08	1.78E-08
2042	495311.06, 3859	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.76E-08	2.02E-08	1.32E-04	4.17E-08	1.77E-08
2043	495361.06, 3859	1.22E-04	3.87E-08	1.64E-08	1.50E-04	4.74E-08	2.01E-08	1.31E-04	4.15E-08	1.76E-08
2044	495411.06, 3859	1.22E-04	3.85E-08	1.63E-08	1.49E-04	4.71E-08	2.00E-08	1.31E-04	4.13E-08	1.75E-08
2045	495461.06, 3859	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.68E-08	1.99E-08	1.30E-04	4.10E-08	1.74E-08
2046	495511.06, 3859	1.20E-04	3.77E-08	1.60E-08	1.46E-04	4.62E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
2047	495561.06, 3859	1.19E-04	3.76E-08	1.60E-08	1.46E-04	4.61E-08	1.95E-08	1.28E-04	4.04E-08	1.71E-08
2048	495611.06, 3859	1.18E-04	3.73E-08	1.58E-08	1.45E-04	4.57E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
2049	495661.06, 3859	1.17E-04	3.70E-08	1.57E-08	1.44E-04	4.53E-08	1.92E-08	1.26E-04	3.97E-08	1.69E-08
2050	494311.06, 3859	1.41E-04	4.44E-08	1.88E-08	1.72E-04	5.44E-08	2.31E-08	1.51E-04	4.77E-08	2.02E-08
2051	494361.06, 3859	1.39E-04	4.40E-08	1.87E-08	1.71E-04	5.39E-08	2.29E-08	1.50E-04	4.72E-08	2.00E-08
2052	494411.06, 3859	1.37E-04	4.33E-08	1.84E-08	1.68E-04	5.31E-08	2.25E-08	1.47E-04	4.65E-08	1.97E-08
2053	494461.06, 3859	1.37E-04	4.33E-08	1.84E-08	1.68E-04	5.31E-08	2.25E-08	1.47E-04	4.65E-08	1.97E-08
2054	494511.06, 3859	1.36E-04	4.29E-08	1.82E-08	1.67E-04	5.26E-08	2.23E-08	1.46E-04	4.61E-08	1.96E-08
2055	494561.06, 3859	1.35E-04	4.26E-08	1.81E-08	1.65E-04	5.22E-08	2.22E-08	1.45E-04	4.58E-08	1.94E-08
2056	494611.06, 3859	1.34E-04	4.24E-08	1.80E-08	1.65E-04	5.20E-08	2.21E-08	1.44E-04	4.56E-08	1.93E-08
2057	494661.06, 3859	1.34E-04	4.22E-08	1.79E-08	1.64E-04	5.16E-08	2.19E-08	1.43E-04	4.53E-08	1.92E-08
2058	494711.06, 3859	1.31E-04	4.14E-08	1.76E-08	1.61E-04	5.07E-08	2.15E-08	1.41E-04	4.45E-08	1.89E-08
2059	494761.06, 3859	1.31E-04	4.15E-08	1.76E-08	1.61E-04	5.08E-08	2.16E-08	1.41E-04	4.45E-08	1.89E-08
2060	494811.06, 3859	1.30E-04	4.09E-08	1.74E-08	1.59E-04	5.01E-08	2.13E-08	1.39E-04	4.39E-08	1.86E-08
2061	494861.06, 3859	1.29E-04	4.07E-08	1.73E-08	1.58E-04	4.98E-08	2.11E-08	1.38E-04	4.36E-08	1.85E-08
2062	494911.06, 3859	1.28E-04	4.03E-08	1.71E-08	1.56E-04	4.94E-08	2.10E-08	1.37E-04	4.33E-08	1.84E-08
2063	494961.06, 3859	1.27E-04	4.01E-08	1.70E-08	1.56E-04	4.92E-08	2.09E-08	1.36E-04	4.31E-08	1.83E-08
2064	495011.06, 3859	1.27E-04	4.00E-08	1.70E-08	1.55E-04	4.90E-08	2.08E-08	1.36E-04	4.29E-08	1.82E-08
2065	495061.06, 3859	1.26E-04	3.97E-08	1.69E-08	1.54E-04	4.87E-08	2.06E-08	1.35E-04	4.26E-08	1.81E-08
2066	495111.06, 3859	1.25E-04	3.94E-08	1.67E-08	1.53E-04	4.83E-08	2.05E-08	1.34E-04	4.23E-08	1.79E-08
2067	495161.06, 3859	1.24E-04	3.93E-08	1.67E-08	1.52E-04	4.81E-08	2.04E-08	1.34E-04	4.21E-08	1.79E-08
2068	495211.06, 3859	1.24E-04	3.92E-08	1.66E-08	1.52E-04	4.80E-08	2.04E-08	1.33E-04	4.20E-08	1.78E-08
2069	495261.06, 3859	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.77E-08	2.02E-08	1.32E-04	4.18E-08	1.77E-08
2070	495311.06, 3859	1.23E-04	3.87E-08	1.64E-08	1.50E-04	4.74E-08	2.01E-08	1.32E-04	4.15E-08	1.76E-08
2071	495361.06, 3859	1.22E-04	3.85E-08	1.63E-08	1.49E-04	4.72E-08	2.00E-08	1.31E-04	4.13E-08	1.75E-08
2072	495411.06, 3859	1.22E-04	3.84E-08	1.63E-08	1.49E-04	4.70E-08	1.99E-08	1.31E-04	4.12E-08	1.75E-08
2073	495461.06, 3859	1.21E-04	3.81E-08	1.61E-08	1.48E-04	4.66E-08	1.98E-08	1.29E-04	4.08E-08	1.73E-08
2074	495511.06, 3859	1.19E-04	3.77E-08	1.60E-08	1.46E-04	4.62E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
2075	495561.06, 3859	1.19E-04	3.75E-08	1.59E-08	1.45E-04	4.59E-08	1.95E-08	1.27E-04	4.02E-08	1.71E-08
2076	495611.06, 3859	1.18E-04	3.73E-08	1.58E-08	1.45E-04	4.56E-08	1.94E-08	1.27E-04	4.00E-08	1.70E-08
2077	495661.06, 3859	1.17E-04	3.70E-08	1.57E-08	1.43E-04	4.53E-08	1.92E-08	1.26E-04	3.97E-08	1.68E-08
2078	494311.06, 3859	1.39E-04	4.39E-08	1.86E-08	1.70E-04	5.38E-08	2.28E-08	1.49E-04	4.71E-08	2.00E-08
2079	494361.06, 3859	1.37E-04	4.33E-08	1.84E-08	1.68E-04	5.30E-08	2.25E-08	1.47E-04	4.65E-08	1.97E-08
2080	494411.06, 3859	1.36E-04	4.29E-08	1.82E-08	1.66E-04	5.25E-08	2.23E-08	1.46E-04	4.61E-08	1.95E-08
2081	494461.06, 3859	1.36E-04	4.28E-08	1.82E-08	1.66E-04	5.25E-08	2.23E-08	1.46E-04	4.60E-08	1.95E-08
2082	494511.06, 3859	1.34E-04	4.24E-08	1.80E-08	1.65E-04	5.19E-08	2.20E-08	1.44E-04	4.55E-08	1.93E-08
2083	494561.06, 3859	1.34E-04	4.23E-08	1.79E-08	1.64E-04	5.18E-08	2.20E-08	1.44E-04	4.54E-08	1.93E-08
2084	494611.06, 3859	1.33E-04	4.21E-08	1.79E-08	1.63E-04	5.16E-08	2.19E-08	1.43E-04	4.52E-08	1.92E-08

2085	494661.06, 3859	1.32E-04	4.16E-08	1.77E-08	1.61E-04	5.10E-08	2.16E-08	1.42E-04	4.47E-08	1.90E-08
2086	494711.06, 3859	1.30E-04	4.11E-08	1.74E-08	1.60E-04	5.04E-08	2.14E-08	1.40E-04	4.41E-08	1.87E-08
2087	494761.06, 3859	1.31E-04	4.13E-08	1.75E-08	1.60E-04	5.06E-08	2.14E-08	1.40E-04	4.43E-08	1.88E-08
2088	494811.06, 3859	1.29E-04	4.08E-08	1.73E-08	1.58E-04	4.99E-08	2.12E-08	1.39E-04	4.37E-08	1.86E-08
2089	494861.06, 3859	1.28E-04	4.05E-08	1.72E-08	1.57E-04	4.96E-08	2.11E-08	1.38E-04	4.35E-08	1.84E-08
2090	494911.06, 3859	1.27E-04	4.01E-08	1.70E-08	1.56E-04	4.91E-08	2.08E-08	1.36E-04	4.30E-08	1.83E-08
2091	494961.06, 3859	1.27E-04	4.01E-08	1.70E-08	1.56E-04	4.91E-08	2.08E-08	1.36E-04	4.30E-08	1.83E-08
2092	495011.06, 3859	1.26E-04	3.97E-08	1.68E-08	1.54E-04	4.86E-08	2.06E-08	1.35E-04	4.26E-08	1.81E-08
2093	495061.06, 3859	1.25E-04	3.96E-08	1.68E-08	1.54E-04	4.85E-08	2.06E-08	1.35E-04	4.25E-08	1.80E-08
2094	495111.06, 3859	1.24E-04	3.92E-08	1.66E-08	1.52E-04	4.81E-08	2.04E-08	1.33E-04	4.21E-08	1.79E-08
2095	495161.06, 3859	1.24E-04	3.91E-08	1.66E-08	1.52E-04	4.79E-08	2.03E-08	1.33E-04	4.20E-08	1.78E-08
2096	495211.06, 3859	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.77E-08	2.02E-08	1.32E-04	4.18E-08	1.77E-08
2097	495261.06, 3859	1.23E-04	3.88E-08	1.64E-08	1.50E-04	4.75E-08	2.01E-08	1.32E-04	4.16E-08	1.77E-08
2098	495311.06, 3859	1.22E-04	3.86E-08	1.64E-08	1.50E-04	4.73E-08	2.01E-08	1.31E-04	4.14E-08	1.76E-08
2099	495361.06, 3859	1.22E-04	3.84E-08	1.63E-08	1.49E-04	4.70E-08	2.00E-08	1.31E-04	4.12E-08	1.75E-08
2100	495411.06, 3859	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.68E-08	1.99E-08	1.30E-04	4.11E-08	1.74E-08
2101	495461.06, 3859	1.20E-04	3.79E-08	1.61E-08	1.47E-04	4.64E-08	1.97E-08	1.29E-04	4.06E-08	1.72E-08
2102	495511.06, 3859	1.19E-04	3.75E-08	1.59E-08	1.46E-04	4.60E-08	1.95E-08	1.28E-04	4.03E-08	1.71E-08
2103	495561.06, 3859	1.19E-04	3.74E-08	1.59E-08	1.45E-04	4.58E-08	1.95E-08	1.27E-04	4.02E-08	1.70E-08
2104	495611.06, 3859	1.17E-04	3.70E-08	1.57E-08	1.44E-04	4.53E-08	1.92E-08	1.26E-04	3.97E-08	1.69E-08
2105	495661.06, 3859	1.17E-04	3.69E-08	1.56E-08	1.43E-04	4.52E-08	1.92E-08	1.25E-04	3.96E-08	1.68E-08
2106	494311.06, 3859	1.37E-04	4.32E-08	1.83E-08	1.68E-04	5.30E-08	2.25E-08	1.47E-04	4.64E-08	1.97E-08
2107	494361.06, 3859	1.35E-04	4.27E-08	1.81E-08	1.66E-04	5.23E-08	2.22E-08	1.45E-04	4.59E-08	1.95E-08
2108	494411.06, 3859	1.35E-04	4.25E-08	1.80E-08	1.65E-04	5.20E-08	2.21E-08	1.44E-04	4.56E-08	1.93E-08
2109	494461.06, 3859	1.34E-04	4.24E-08	1.80E-08	1.64E-04	5.19E-08	2.20E-08	1.44E-04	4.55E-08	1.93E-08
2110	494511.06, 3859	1.33E-04	4.21E-08	1.79E-08	1.63E-04	5.16E-08	2.19E-08	1.43E-04	4.52E-08	1.92E-08
2111	494561.06, 3859	1.33E-04	4.19E-08	1.78E-08	1.63E-04	5.13E-08	2.18E-08	1.42E-04	4.50E-08	1.91E-08
2112	494611.06, 3859	1.32E-04	4.17E-08	1.77E-08	1.62E-04	5.10E-08	2.17E-08	1.42E-04	4.47E-08	1.90E-08
2113	494661.06, 3859	1.30E-04	4.12E-08	1.75E-08	1.60E-04	5.04E-08	2.14E-08	1.40E-04	4.42E-08	1.87E-08
2114	494711.06, 3859	1.30E-04	4.10E-08	1.74E-08	1.59E-04	5.02E-08	2.13E-08	1.39E-04	4.40E-08	1.87E-08
2115	494761.06, 3859	1.29E-04	4.08E-08	1.73E-08	1.58E-04	5.00E-08	2.12E-08	1.39E-04	4.38E-08	1.86E-08
2116	494811.06, 3859	1.28E-04	4.05E-08	1.72E-08	1.57E-04	4.95E-08	2.10E-08	1.38E-04	4.34E-08	1.84E-08
2117	494861.06, 3859	1.28E-04	4.03E-08	1.71E-08	1.56E-04	4.93E-08	2.09E-08	1.37E-04	4.32E-08	1.83E-08
2118	494911.06, 3859	1.27E-04	4.00E-08	1.70E-08	1.55E-04	4.90E-08	2.08E-08	1.36E-04	4.29E-08	1.82E-08
2119	494961.06, 3859	1.26E-04	3.98E-08	1.69E-08	1.54E-04	4.87E-08	2.07E-08	1.35E-04	4.27E-08	1.81E-08
2120	495011.06, 3859	1.25E-04	3.95E-08	1.68E-08	1.53E-04	4.84E-08	2.06E-08	1.34E-04	4.24E-08	1.80E-08
2121	495061.06, 3859	1.25E-04	3.94E-08	1.67E-08	1.53E-04	4.82E-08	2.05E-08	1.34E-04	4.23E-08	1.79E-08
2122	495111.06, 3859	1.24E-04	3.91E-08	1.66E-08	1.52E-04	4.79E-08	2.03E-08	1.33E-04	4.20E-08	1.78E-08
2123	495161.06, 3859	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.77E-08	2.02E-08	1.32E-04	4.18E-08	1.77E-08
2124	495211.06, 3859	1.23E-04	3.88E-08	1.64E-08	1.50E-04	4.75E-08	2.01E-08	1.32E-04	4.16E-08	1.77E-08
2125	495261.06, 3859	1.22E-04	3.85E-08	1.64E-08	1.50E-04	4.72E-08	2.00E-08	1.31E-04	4.14E-08	1.76E-08
2126	495311.06, 3859	1.22E-04	3.84E-08	1.63E-08	1.49E-04	4.70E-08	1.99E-08	1.30E-04	4.12E-08	1.75E-08
2127	495361.06, 3859	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.68E-08	1.99E-08	1.30E-04	4.10E-08	1.74E-08
2128	495411.06, 3859	1.20E-04	3.80E-08	1.61E-08	1.47E-04	4.65E-08	1.97E-08	1.29E-04	4.08E-08	1.73E-08
2129	495461.06, 3859	1.19E-04	3.77E-08	1.60E-08	1.46E-04	4.61E-08	1.96E-08	1.28E-04	4.04E-08	1.72E-08
2130	495511.06, 3859	1.18E-04	3.74E-08	1.58E-08	1.45E-04	4.58E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
2131	495561.06, 3859	1.18E-04	3.72E-08	1.58E-08	1.44E-04	4.56E-08	1.93E-08	1.27E-04	3.99E-08	1.69E-08
2132	495611.06, 3859	1.17E-04	3.70E-08	1.57E-08	1.43E-04	4.53E-08	1.92E-08	1.26E-04	3.97E-08	1.68E-08
2133	495661.06, 3859	1.16E-04	3.67E-08	1.56E-08	1.42E-04	4.50E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
2134	494311.06, 3859	1.34E-04	4.24E-08	1.80E-08	1.64E-04	5.19E-08	2.20E-08	1.44E-04	4.55E-08	1.93E-08
2135	494361.06, 3859	1.33E-04	4.21E-08	1.79E-08	1.63E-04	5.15E-08	2.19E-08	1.43E-04	4.52E-08	1.92E-08
2136	494411.06, 3859	1.33E-04	4.19E-08	1.78E-08	1.63E-04	5.13E-08	2.18E-08	1.43E-04	4.50E-08	1.91E-08
2137	494461.06, 3859	1.33E-04	4.19E-08	1.78E-08	1.62E-04	5.13E-08	2.18E-08	1.42E-04	4.49E-08	1.91E-08
2138	494511.06, 3859	1.32E-04	4.16E-08	1.77E-08	1.62E-04	5.10E-08	2.16E-08	1.42E-04	4.47E-08	1.90E-08
2139	494561.06, 3859	1.31E-04	4.14E-08	1.76E-08	1.61E-04	5.08E-08	2.15E-08	1.41E-04	4.45E-08	1.89E-08
2140	494611.06, 3859	1.31E-04	4.12E-08	1.75E-08	1.60E-04	5.05E-08	2.14E-08	1.40E-04	4.43E-08	1.88E-08
2141	494661.06, 3859	1.29E-04	4.07E-08	1.73E-08	1.58E-04	4.99E-08	2.12E-08	1.39E-04	4.37E-08	1.86E-08
2142	494711.06, 3859	1.29E-04	4.06E-08	1.72E-08	1.58E-04	4.97E-08	2.11E-08	1.38E-04	4.36E-08	1.85E-08

2143	494761.06, 3859	1.28E-04	4.03E-08	1.71E-08	1.57E-04	4.94E-08	2.10E-08	1.37E-04	4.33E-08	1.84E-08
2144	494811.06, 3859	1.27E-04	4.00E-08	1.70E-08	1.55E-04	4.90E-08	2.08E-08	1.36E-04	4.30E-08	1.82E-08
2145	494861.06, 3859	1.27E-04	3.99E-08	1.69E-08	1.55E-04	4.89E-08	2.08E-08	1.36E-04	4.29E-08	1.82E-08
2146	494911.06, 3859	1.26E-04	3.97E-08	1.68E-08	1.54E-04	4.86E-08	2.06E-08	1.35E-04	4.26E-08	1.81E-08
2147	494961.06, 3859	1.25E-04	3.95E-08	1.67E-08	1.53E-04	4.83E-08	2.05E-08	1.34E-04	4.24E-08	1.80E-08
2148	495011.06, 3859	1.24E-04	3.93E-08	1.67E-08	1.52E-04	4.81E-08	2.04E-08	1.34E-04	4.22E-08	1.79E-08
2149	495061.06, 3859	1.24E-04	3.91E-08	1.66E-08	1.52E-04	4.79E-08	2.03E-08	1.33E-04	4.20E-08	1.78E-08
2150	495111.06, 3859	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.76E-08	2.02E-08	1.32E-04	4.17E-08	1.77E-08
2151	495161.06, 3859	1.22E-04	3.86E-08	1.64E-08	1.50E-04	4.73E-08	2.01E-08	1.31E-04	4.15E-08	1.76E-08
2152	495211.06, 3859	1.22E-04	3.84E-08	1.63E-08	1.49E-04	4.70E-08	2.00E-08	1.31E-04	4.12E-08	1.75E-08
2153	495261.06, 3859	1.21E-04	3.83E-08	1.63E-08	1.49E-04	4.69E-08	1.99E-08	1.30E-04	4.11E-08	1.74E-08
2154	495311.06, 3859	1.21E-04	3.81E-08	1.62E-08	1.48E-04	4.66E-08	1.98E-08	1.30E-04	4.09E-08	1.73E-08
2155	495361.06, 3859	1.20E-04	3.79E-08	1.61E-08	1.47E-04	4.64E-08	1.97E-08	1.29E-04	4.07E-08	1.72E-08
2156	495411.06, 3859	1.19E-04	3.76E-08	1.60E-08	1.46E-04	4.61E-08	1.95E-08	1.28E-04	4.04E-08	1.71E-08
2157	495461.06, 3859	1.18E-04	3.74E-08	1.59E-08	1.45E-04	4.58E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
2158	495511.06, 3859	1.17E-04	3.70E-08	1.57E-08	1.44E-04	4.53E-08	1.92E-08	1.26E-04	3.97E-08	1.69E-08
2159	495561.06, 3859	1.17E-04	3.70E-08	1.57E-08	1.43E-04	4.53E-08	1.92E-08	1.26E-04	3.97E-08	1.68E-08
2160	495611.06, 3859	1.16E-04	3.68E-08	1.56E-08	1.43E-04	4.50E-08	1.91E-08	1.25E-04	3.95E-08	1.67E-08
2161	495661.06, 3859	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.47E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
2162	494311.06, 3859	1.33E-04	4.19E-08	1.78E-08	1.62E-04	5.13E-08	2.17E-08	1.42E-04	4.49E-08	1.91E-08
2163	494361.06, 3859	1.32E-04	4.16E-08	1.77E-08	1.62E-04	5.10E-08	2.16E-08	1.42E-04	4.47E-08	1.90E-08
2164	494411.06, 3859	1.31E-04	4.14E-08	1.76E-08	1.61E-04	5.07E-08	2.15E-08	1.41E-04	4.44E-08	1.88E-08
2165	494461.06, 3859	1.31E-04	4.13E-08	1.75E-08	1.60E-04	5.06E-08	2.15E-08	1.40E-04	4.43E-08	1.88E-08
2166	494511.06, 3859	1.30E-04	4.11E-08	1.75E-08	1.60E-04	5.04E-08	2.14E-08	1.40E-04	4.42E-08	1.87E-08
2167	494561.06, 3859	1.30E-04	4.09E-08	1.74E-08	1.59E-04	5.01E-08	2.13E-08	1.39E-04	4.39E-08	1.86E-08
2168	494611.06, 3859	1.29E-04	4.07E-08	1.73E-08	1.58E-04	4.98E-08	2.11E-08	1.38E-04	4.37E-08	1.85E-08
2169	494661.06, 3859	1.28E-04	4.03E-08	1.71E-08	1.56E-04	4.94E-08	2.09E-08	1.37E-04	4.33E-08	1.84E-08
2170	494711.06, 3859	1.27E-04	4.02E-08	1.71E-08	1.56E-04	4.92E-08	2.09E-08	1.37E-04	4.31E-08	1.83E-08
2171	494761.06, 3859	1.27E-04	4.00E-08	1.70E-08	1.55E-04	4.90E-08	2.08E-08	1.36E-04	4.30E-08	1.82E-08
2172	494811.06, 3859	1.26E-04	3.98E-08	1.69E-08	1.54E-04	4.87E-08	2.07E-08	1.35E-04	4.27E-08	1.81E-08
2173	494861.06, 3859	1.25E-04	3.96E-08	1.68E-08	1.54E-04	4.85E-08	2.06E-08	1.35E-04	4.25E-08	1.80E-08
2174	494911.06, 3859	1.25E-04	3.94E-08	1.67E-08	1.53E-04	4.82E-08	2.05E-08	1.34E-04	4.23E-08	1.79E-08
2175	494961.06, 3859	1.24E-04	3.92E-08	1.66E-08	1.52E-04	4.80E-08	2.04E-08	1.33E-04	4.21E-08	1.78E-08
2176	495011.06, 3859	1.23E-04	3.90E-08	1.65E-08	1.51E-04	4.77E-08	2.02E-08	1.33E-04	4.18E-08	1.77E-08
2177	495061.06, 3859	1.23E-04	3.88E-08	1.65E-08	1.51E-04	4.75E-08	2.02E-08	1.32E-04	4.17E-08	1.77E-08
2178	495111.06, 3859	1.22E-04	3.86E-08	1.64E-08	1.50E-04	4.73E-08	2.01E-08	1.31E-04	4.14E-08	1.76E-08
2179	495161.06, 3859	1.22E-04	3.84E-08	1.63E-08	1.49E-04	4.70E-08	1.99E-08	1.31E-04	4.12E-08	1.75E-08
2180	495211.06, 3859	1.21E-04	3.81E-08	1.62E-08	1.48E-04	4.67E-08	1.98E-08	1.30E-04	4.09E-08	1.74E-08
2181	495261.06, 3859	1.20E-04	3.80E-08	1.61E-08	1.47E-04	4.65E-08	1.97E-08	1.29E-04	4.08E-08	1.73E-08
2182	495311.06, 3859	1.20E-04	3.78E-08	1.60E-08	1.47E-04	4.63E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
2183	495361.06, 3859	1.19E-04	3.76E-08	1.59E-08	1.46E-04	4.60E-08	1.95E-08	1.28E-04	4.03E-08	1.71E-08
2184	495411.06, 3859	1.18E-04	3.74E-08	1.59E-08	1.45E-04	4.58E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
2185	495461.06, 3859	1.18E-04	3.71E-08	1.57E-08	1.44E-04	4.55E-08	1.93E-08	1.26E-04	3.98E-08	1.69E-08
2186	495511.06, 3859	1.17E-04	3.69E-08	1.56E-08	1.43E-04	4.51E-08	1.92E-08	1.25E-04	3.96E-08	1.68E-08
2187	495561.06, 3859	1.16E-04	3.67E-08	1.56E-08	1.42E-04	4.49E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
2188	495611.06, 3859	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.47E-08	1.90E-08	1.24E-04	3.91E-08	1.66E-08
2189	495661.06, 3859	1.15E-04	3.63E-08	1.54E-08	1.41E-04	4.45E-08	1.89E-08	1.24E-04	3.90E-08	1.65E-08
2190	494311.06, 3859	1.31E-04	4.13E-08	1.75E-08	1.60E-04	5.06E-08	2.15E-08	1.40E-04	4.43E-08	1.88E-08
2191	494361.06, 3859	1.30E-04	4.11E-08	1.74E-08	1.59E-04	5.03E-08	2.13E-08	1.40E-04	4.41E-08	1.87E-08
2192	494411.06, 3859	1.29E-04	4.08E-08	1.73E-08	1.58E-04	5.00E-08	2.12E-08	1.39E-04	4.38E-08	1.86E-08
2193	494461.06, 3859	1.29E-04	4.07E-08	1.73E-08	1.58E-04	4.98E-08	2.11E-08	1.38E-04	4.37E-08	1.85E-08
2194	494511.06, 3859	1.29E-04	4.06E-08	1.72E-08	1.57E-04	4.97E-08	2.11E-08	1.38E-04	4.35E-08	1.85E-08
2195	494561.06, 3859	1.28E-04	4.04E-08	1.71E-08	1.57E-04	4.95E-08	2.10E-08	1.37E-04	4.33E-08	1.84E-08
2196	494611.06, 3859	1.27E-04	4.01E-08	1.70E-08	1.56E-04	4.91E-08	2.08E-08	1.36E-04	4.30E-08	1.83E-08
2197	494661.06, 3859	1.26E-04	3.99E-08	1.69E-08	1.55E-04	4.88E-08	2.07E-08	1.36E-04	4.28E-08	1.82E-08
2198	494711.06, 3859	1.26E-04	3.96E-08	1.68E-08	1.54E-04	4.85E-08	2.06E-08	1.35E-04	4.25E-08	1.80E-08
2199	494761.06, 3859	1.25E-04	3.95E-08	1.68E-08	1.53E-04	4.84E-08	2.05E-08	1.34E-04	4.24E-08	1.80E-08
2200	494811.06, 3859	1.25E-04	3.93E-08	1.67E-08	1.53E-04	4.82E-08	2.04E-08	1.34E-04	4.22E-08	1.79E-08

2201	494861.06, 3859	1.24E-04	3.92E-08	1.66E-08	1.52E-04	4.80E-08	2.03E-08	1.33E-04	4.20E-08	1.78E-08
2202	494911.06, 3859	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.77E-08	2.02E-08	1.32E-04	4.18E-08	1.77E-08
2203	494961.06, 3859	1.23E-04	3.87E-08	1.64E-08	1.50E-04	4.74E-08	2.01E-08	1.32E-04	4.16E-08	1.76E-08
2204	495011.06, 3859	1.22E-04	3.85E-08	1.64E-08	1.50E-04	4.72E-08	2.00E-08	1.31E-04	4.14E-08	1.76E-08
2205	495061.06, 3859	1.22E-04	3.84E-08	1.63E-08	1.49E-04	4.70E-08	1.99E-08	1.31E-04	4.12E-08	1.75E-08
2206	495111.06, 3859	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.67E-08	1.98E-08	1.30E-04	4.10E-08	1.74E-08
2207	495161.06, 3859	1.20E-04	3.80E-08	1.61E-08	1.47E-04	4.65E-08	1.97E-08	1.29E-04	4.07E-08	1.73E-08
2208	495211.06, 3859	1.20E-04	3.78E-08	1.60E-08	1.47E-04	4.63E-08	1.96E-08	1.29E-04	4.06E-08	1.72E-08
2209	495261.06, 3859	1.19E-04	3.76E-08	1.59E-08	1.46E-04	4.60E-08	1.95E-08	1.28E-04	4.03E-08	1.71E-08
2210	495311.06, 3859	1.19E-04	3.74E-08	1.59E-08	1.45E-04	4.58E-08	1.94E-08	1.27E-04	4.02E-08	1.70E-08
2211	495361.06, 3859	1.18E-04	3.72E-08	1.58E-08	1.44E-04	4.56E-08	1.93E-08	1.27E-04	3.99E-08	1.69E-08
2212	495411.06, 3859	1.17E-04	3.70E-08	1.57E-08	1.44E-04	4.53E-08	1.92E-08	1.26E-04	3.97E-08	1.68E-08
2213	495461.06, 3859	1.17E-04	3.68E-08	1.56E-08	1.43E-04	4.51E-08	1.91E-08	1.25E-04	3.95E-08	1.68E-08
2214	495511.06, 3859	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.48E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
2215	495561.06, 3859	1.15E-04	3.64E-08	1.54E-08	1.41E-04	4.46E-08	1.89E-08	1.24E-04	3.90E-08	1.66E-08
2216	495611.06, 3859	1.15E-04	3.63E-08	1.54E-08	1.41E-04	4.44E-08	1.88E-08	1.23E-04	3.89E-08	1.65E-08
2217	495661.06, 3859	1.14E-04	3.60E-08	1.53E-08	1.40E-04	4.41E-08	1.87E-08	1.23E-04	3.87E-08	1.64E-08
2218	494311.06, 3859	1.29E-04	4.07E-08	1.73E-08	1.58E-04	4.98E-08	2.11E-08	1.38E-04	4.37E-08	1.85E-08
2219	494361.06, 3859	1.28E-04	4.05E-08	1.72E-08	1.57E-04	4.96E-08	2.10E-08	1.38E-04	4.34E-08	1.84E-08
2220	494411.06, 3859	1.27E-04	4.02E-08	1.71E-08	1.56E-04	4.93E-08	2.09E-08	1.37E-04	4.32E-08	1.83E-08
2221	494461.06, 3859	1.27E-04	4.00E-08	1.70E-08	1.55E-04	4.90E-08	2.08E-08	1.36E-04	4.30E-08	1.82E-08
2222	494511.06, 3859	1.26E-04	3.99E-08	1.69E-08	1.55E-04	4.89E-08	2.07E-08	1.36E-04	4.28E-08	1.82E-08
2223	494561.06, 3859	1.26E-04	3.98E-08	1.69E-08	1.54E-04	4.87E-08	2.07E-08	1.35E-04	4.27E-08	1.81E-08
2224	494611.06, 3859	1.25E-04	3.95E-08	1.68E-08	1.53E-04	4.84E-08	2.05E-08	1.34E-04	4.24E-08	1.80E-08
2225	494661.06, 3859	1.25E-04	3.94E-08	1.67E-08	1.53E-04	4.82E-08	2.05E-08	1.34E-04	4.23E-08	1.79E-08
2226	494711.06, 3859	1.24E-04	3.91E-08	1.66E-08	1.52E-04	4.79E-08	2.03E-08	1.33E-04	4.20E-08	1.78E-08
2227	494761.06, 3859	1.24E-04	3.90E-08	1.66E-08	1.51E-04	4.78E-08	2.03E-08	1.33E-04	4.19E-08	1.78E-08
2228	494811.06, 3859	1.23E-04	3.88E-08	1.65E-08	1.51E-04	4.75E-08	2.02E-08	1.32E-04	4.17E-08	1.77E-08
2229	494861.06, 3859	1.22E-04	3.87E-08	1.64E-08	1.50E-04	4.73E-08	2.01E-08	1.31E-04	4.15E-08	1.76E-08
2230	494911.06, 3859	1.22E-04	3.85E-08	1.63E-08	1.49E-04	4.71E-08	2.00E-08	1.31E-04	4.13E-08	1.75E-08
2231	494961.06, 3859	1.21E-04	3.83E-08	1.62E-08	1.49E-04	4.69E-08	1.99E-08	1.30E-04	4.11E-08	1.74E-08
2232	495011.06, 3859	1.21E-04	3.81E-08	1.62E-08	1.48E-04	4.67E-08	1.98E-08	1.30E-04	4.09E-08	1.74E-08
2233	495061.06, 3859	1.20E-04	3.79E-08	1.61E-08	1.47E-04	4.65E-08	1.97E-08	1.29E-04	4.07E-08	1.73E-08
2234	495111.06, 3859	1.20E-04	3.77E-08	1.60E-08	1.46E-04	4.62E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
2235	495161.06, 3859	1.19E-04	3.75E-08	1.59E-08	1.46E-04	4.60E-08	1.95E-08	1.28E-04	4.03E-08	1.71E-08
2236	495211.06, 3859	1.18E-04	3.74E-08	1.59E-08	1.45E-04	4.58E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
2237	495261.06, 3859	1.18E-04	3.72E-08	1.58E-08	1.44E-04	4.55E-08	1.93E-08	1.26E-04	3.99E-08	1.69E-08
2238	495311.06, 3859	1.17E-04	3.70E-08	1.57E-08	1.44E-04	4.53E-08	1.92E-08	1.26E-04	3.97E-08	1.69E-08
2239	495361.06, 3859	1.17E-04	3.68E-08	1.56E-08	1.43E-04	4.51E-08	1.91E-08	1.25E-04	3.95E-08	1.68E-08
2240	495411.06, 3859	1.16E-04	3.66E-08	1.55E-08	1.42E-04	4.49E-08	1.90E-08	1.25E-04	3.93E-08	1.67E-08
2241	495461.06, 3859	1.15E-04	3.64E-08	1.55E-08	1.41E-04	4.46E-08	1.89E-08	1.24E-04	3.91E-08	1.66E-08
2242	495511.06, 3859	1.15E-04	3.62E-08	1.54E-08	1.41E-04	4.44E-08	1.88E-08	1.23E-04	3.89E-08	1.65E-08
2243	495561.06, 3859	1.14E-04	3.61E-08	1.53E-08	1.40E-04	4.42E-08	1.87E-08	1.23E-04	3.87E-08	1.64E-08
2244	495611.06, 3859	1.14E-04	3.59E-08	1.52E-08	1.39E-04	4.40E-08	1.87E-08	1.22E-04	3.86E-08	1.64E-08
2245	495661.06, 3859	1.13E-04	3.57E-08	1.52E-08	1.39E-04	4.37E-08	1.86E-08	1.21E-04	3.83E-08	1.63E-08
2246	494311.06, 3859	1.27E-04	4.00E-08	1.70E-08	1.55E-04	4.90E-08	2.08E-08	1.36E-04	4.30E-08	1.82E-08
2247	494361.06, 3859	1.26E-04	3.98E-08	1.69E-08	1.54E-04	4.87E-08	2.07E-08	1.35E-04	4.27E-08	1.81E-08
2248	494411.06, 3859	1.26E-04	3.96E-08	1.68E-08	1.54E-04	4.85E-08	2.06E-08	1.35E-04	4.25E-08	1.80E-08
2249	494461.06, 3859	1.25E-04	3.94E-08	1.67E-08	1.53E-04	4.83E-08	2.05E-08	1.34E-04	4.23E-08	1.80E-08
2250	494511.06, 3859	1.24E-04	3.93E-08	1.67E-08	1.52E-04	4.81E-08	2.04E-08	1.34E-04	4.22E-08	1.79E-08
2251	494561.06, 3859	1.24E-04	3.92E-08	1.66E-08	1.52E-04	4.80E-08	2.04E-08	1.33E-04	4.21E-08	1.78E-08
2252	494611.06, 3859	1.23E-04	3.89E-08	1.65E-08	1.51E-04	4.77E-08	2.02E-08	1.32E-04	4.18E-08	1.77E-08
2253	494661.06, 3859	1.23E-04	3.88E-08	1.65E-08	1.51E-04	4.75E-08	2.02E-08	1.32E-04	4.17E-08	1.77E-08
2254	494711.06, 3859	1.22E-04	3.86E-08	1.64E-08	1.50E-04	4.72E-08	2.00E-08	1.31E-04	4.14E-08	1.76E-08
2255	494761.06, 3859	1.22E-04	3.84E-08	1.63E-08	1.49E-04	4.71E-08	2.00E-08	1.31E-04	4.12E-08	1.75E-08
2256	494811.06, 3859	1.21E-04	3.83E-08	1.62E-08	1.49E-04	4.69E-08	1.99E-08	1.30E-04	4.11E-08	1.74E-08
2257	494861.06, 3859	1.21E-04	3.81E-08	1.62E-08	1.48E-04	4.67E-08	1.98E-08	1.30E-04	4.09E-08	1.74E-08
2258	494911.06, 3859	1.20E-04	3.79E-08	1.61E-08	1.47E-04	4.65E-08	1.97E-08	1.29E-04	4.07E-08	1.73E-08

2259	494961.06, 3859	1.20E-04	3.78E-08	1.60E-08	1.47E-04	4.63E-08	1.96E-08	1.29E-04	4.06E-08	1.72E-08
2260	495011.06, 3859	1.19E-04	3.76E-08	1.60E-08	1.46E-04	4.61E-08	1.95E-08	1.28E-04	4.04E-08	1.71E-08
2261	495061.06, 3859	1.19E-04	3.74E-08	1.59E-08	1.45E-04	4.58E-08	1.95E-08	1.27E-04	4.02E-08	1.70E-08
2262	495111.06, 3859	1.18E-04	3.72E-08	1.58E-08	1.45E-04	4.56E-08	1.94E-08	1.27E-04	4.00E-08	1.70E-08
2263	495161.06, 3859	1.17E-04	3.70E-08	1.57E-08	1.44E-04	4.54E-08	1.93E-08	1.26E-04	3.98E-08	1.69E-08
2264	495211.06, 3859	1.17E-04	3.69E-08	1.57E-08	1.43E-04	4.52E-08	1.92E-08	1.25E-04	3.96E-08	1.68E-08
2265	495261.06, 3859	1.16E-04	3.67E-08	1.56E-08	1.42E-04	4.49E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
2266	495311.06, 3859	1.16E-04	3.66E-08	1.55E-08	1.42E-04	4.48E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
2267	495361.06, 3859	1.15E-04	3.64E-08	1.54E-08	1.41E-04	4.46E-08	1.89E-08	1.24E-04	3.91E-08	1.66E-08
2268	495411.06, 3859	1.15E-04	3.62E-08	1.54E-08	1.40E-04	4.43E-08	1.88E-08	1.23E-04	3.88E-08	1.65E-08
2269	495461.06, 3859	1.14E-04	3.60E-08	1.53E-08	1.40E-04	4.41E-08	1.87E-08	1.22E-04	3.87E-08	1.64E-08
2270	495511.06, 3859	1.14E-04	3.59E-08	1.52E-08	1.39E-04	4.39E-08	1.86E-08	1.22E-04	3.85E-08	1.63E-08
2271	495561.06, 3859	1.13E-04	3.57E-08	1.52E-08	1.39E-04	4.37E-08	1.86E-08	1.21E-04	3.83E-08	1.63E-08
2272	495611.06, 3859	1.13E-04	3.55E-08	1.51E-08	1.38E-04	4.35E-08	1.85E-08	1.21E-04	3.81E-08	1.62E-08
2273	495661.06, 3859	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.33E-08	1.84E-08	1.20E-04	3.79E-08	1.61E-08
2274	494311.06, 3859	1.25E-04	3.94E-08	1.67E-08	1.53E-04	4.82E-08	2.05E-08	1.34E-04	4.23E-08	1.79E-08
2275	494361.06, 3859	1.24E-04	3.92E-08	1.66E-08	1.52E-04	4.80E-08	2.04E-08	1.33E-04	4.21E-08	1.79E-08
2276	494411.06, 3859	1.24E-04	3.90E-08	1.65E-08	1.51E-04	4.78E-08	2.03E-08	1.33E-04	4.19E-08	1.78E-08
2277	494461.06, 3859	1.23E-04	3.88E-08	1.65E-08	1.51E-04	4.76E-08	2.02E-08	1.32E-04	4.17E-08	1.77E-08
2278	494511.06, 3859	1.23E-04	3.87E-08	1.64E-08	1.50E-04	4.74E-08	2.01E-08	1.32E-04	4.15E-08	1.76E-08
2279	494561.06, 3859	1.22E-04	3.86E-08	1.64E-08	1.50E-04	4.73E-08	2.01E-08	1.31E-04	4.14E-08	1.76E-08
2280	494611.06, 3859	1.22E-04	3.84E-08	1.63E-08	1.49E-04	4.70E-08	1.99E-08	1.30E-04	4.12E-08	1.75E-08
2281	494661.06, 3859	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.68E-08	1.99E-08	1.30E-04	4.11E-08	1.74E-08
2282	494711.06, 3859	1.20E-04	3.80E-08	1.61E-08	1.48E-04	4.66E-08	1.98E-08	1.29E-04	4.08E-08	1.73E-08
2283	494761.06, 3859	1.20E-04	3.79E-08	1.61E-08	1.47E-04	4.64E-08	1.97E-08	1.29E-04	4.07E-08	1.72E-08
2284	494811.06, 3859	1.20E-04	3.77E-08	1.60E-08	1.46E-04	4.62E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
2285	494861.06, 3859	1.19E-04	3.76E-08	1.59E-08	1.46E-04	4.60E-08	1.95E-08	1.28E-04	4.03E-08	1.71E-08
2286	494911.06, 3859	1.19E-04	3.74E-08	1.59E-08	1.45E-04	4.58E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
2287	494961.06, 3859	1.18E-04	3.72E-08	1.58E-08	1.44E-04	4.56E-08	1.93E-08	1.27E-04	4.00E-08	1.70E-08
2288	495011.06, 3859	1.17E-04	3.71E-08	1.57E-08	1.44E-04	4.54E-08	1.93E-08	1.26E-04	3.98E-08	1.69E-08
2289	495061.06, 3859	1.17E-04	3.69E-08	1.57E-08	1.43E-04	4.52E-08	1.92E-08	1.25E-04	3.96E-08	1.68E-08
2290	495111.06, 3859	1.16E-04	3.67E-08	1.56E-08	1.43E-04	4.50E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
2291	495161.06, 3859	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.48E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
2292	495211.06, 3859	1.15E-04	3.64E-08	1.54E-08	1.41E-04	4.45E-08	1.89E-08	1.24E-04	3.90E-08	1.66E-08
2293	495261.06, 3859	1.15E-04	3.62E-08	1.54E-08	1.41E-04	4.43E-08	1.88E-08	1.23E-04	3.89E-08	1.65E-08
2294	495311.06, 3859	1.14E-04	3.61E-08	1.53E-08	1.40E-04	4.42E-08	1.87E-08	1.23E-04	3.87E-08	1.64E-08
2295	495361.06, 3859	1.14E-04	3.59E-08	1.52E-08	1.39E-04	4.40E-08	1.87E-08	1.22E-04	3.86E-08	1.64E-08
2296	495411.06, 3859	1.13E-04	3.57E-08	1.52E-08	1.39E-04	4.38E-08	1.86E-08	1.22E-04	3.84E-08	1.63E-08
2297	495461.06, 3859	1.13E-04	3.56E-08	1.51E-08	1.38E-04	4.36E-08	1.85E-08	1.21E-04	3.82E-08	1.62E-08
2298	495511.06, 3859	1.12E-04	3.54E-08	1.50E-08	1.37E-04	4.34E-08	1.84E-08	1.20E-04	3.80E-08	1.61E-08
2299	495561.06, 3859	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.79E-08	1.61E-08
2300	495611.06, 3859	1.11E-04	3.51E-08	1.49E-08	1.36E-04	4.30E-08	1.82E-08	1.19E-04	3.77E-08	1.60E-08
2301	495661.06, 3859	1.11E-04	3.49E-08	1.48E-08	1.36E-04	4.28E-08	1.82E-08	1.19E-04	3.75E-08	1.59E-08
2302	494311.06, 3860	1.23E-04	3.87E-08	1.64E-08	1.50E-04	4.74E-08	2.01E-08	1.32E-04	4.16E-08	1.76E-08
2303	494361.06, 3860	1.22E-04	3.86E-08	1.64E-08	1.50E-04	4.72E-08	2.00E-08	1.31E-04	4.14E-08	1.76E-08
2304	494411.06, 3860	1.22E-04	3.84E-08	1.63E-08	1.49E-04	4.70E-08	1.99E-08	1.31E-04	4.12E-08	1.75E-08
2305	494461.06, 3860	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.68E-08	1.99E-08	1.30E-04	4.10E-08	1.74E-08
2306	494511.06, 3860	1.21E-04	3.81E-08	1.62E-08	1.48E-04	4.66E-08	1.98E-08	1.29E-04	4.09E-08	1.73E-08
2307	494561.06, 3860	1.20E-04	3.80E-08	1.61E-08	1.47E-04	4.65E-08	1.97E-08	1.29E-04	4.08E-08	1.73E-08
2308	494611.06, 3860	1.20E-04	3.78E-08	1.60E-08	1.47E-04	4.63E-08	1.96E-08	1.29E-04	4.06E-08	1.72E-08
2309	494661.06, 3860	1.19E-04	3.76E-08	1.60E-08	1.46E-04	4.61E-08	1.96E-08	1.28E-04	4.04E-08	1.71E-08
2310	494711.06, 3860	1.19E-04	3.74E-08	1.59E-08	1.45E-04	4.58E-08	1.94E-08	1.27E-04	4.02E-08	1.70E-08
2311	494761.06, 3860	1.18E-04	3.73E-08	1.58E-08	1.45E-04	4.57E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
2312	494811.06, 3860	1.18E-04	3.72E-08	1.58E-08	1.44E-04	4.55E-08	1.93E-08	1.26E-04	3.99E-08	1.69E-08
2313	494861.06, 3860	1.17E-04	3.70E-08	1.57E-08	1.44E-04	4.53E-08	1.92E-08	1.26E-04	3.97E-08	1.69E-08
2314	494911.06, 3860	1.17E-04	3.68E-08	1.56E-08	1.43E-04	4.51E-08	1.91E-08	1.25E-04	3.95E-08	1.68E-08
2315	494961.06, 3860	1.16E-04	3.67E-08	1.56E-08	1.42E-04	4.49E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
2316	495011.06, 3860	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.47E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08

2317	495061.06, 3860	1.15E-04	3.64E-08	1.54E-08	1.41E-04	4.45E-08	1.89E-08	1.24E-04	3.90E-08	1.66E-08
2318	495111.06, 3860	1.15E-04	3.62E-08	1.54E-08	1.40E-04	4.43E-08	1.88E-08	1.23E-04	3.88E-08	1.65E-08
2319	495161.06, 3860	1.14E-04	3.60E-08	1.53E-08	1.40E-04	4.41E-08	1.87E-08	1.23E-04	3.87E-08	1.64E-08
2320	495211.06, 3860	1.14E-04	3.59E-08	1.52E-08	1.39E-04	4.40E-08	1.86E-08	1.22E-04	3.85E-08	1.63E-08
2321	495261.06, 3860	1.13E-04	3.57E-08	1.52E-08	1.39E-04	4.38E-08	1.86E-08	1.22E-04	3.84E-08	1.63E-08
2322	495311.06, 3860	1.13E-04	3.56E-08	1.51E-08	1.38E-04	4.36E-08	1.85E-08	1.21E-04	3.82E-08	1.62E-08
2323	495361.06, 3860	1.12E-04	3.54E-08	1.50E-08	1.37E-04	4.34E-08	1.84E-08	1.20E-04	3.80E-08	1.61E-08
2324	495411.06, 3860	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.79E-08	1.61E-08
2325	495461.06, 3860	1.11E-04	3.51E-08	1.49E-08	1.36E-04	4.30E-08	1.83E-08	1.19E-04	3.77E-08	1.60E-08
2326	495511.06, 3860	1.11E-04	3.50E-08	1.48E-08	1.36E-04	4.28E-08	1.82E-08	1.19E-04	3.75E-08	1.59E-08
2327	495561.06, 3860	1.10E-04	3.48E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.18E-04	3.74E-08	1.59E-08
2328	495611.06, 3860	1.10E-04	3.47E-08	1.47E-08	1.35E-04	4.25E-08	1.80E-08	1.18E-04	3.72E-08	1.58E-08
2329	495661.06, 3860	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.23E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
2330	494411.06, 3860	1.20E-04	3.78E-08	1.60E-08	1.47E-04	4.63E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
2331	494461.06, 3860	1.19E-04	3.76E-08	1.60E-08	1.46E-04	4.61E-08	1.95E-08	1.28E-04	4.04E-08	1.71E-08
2332	494511.06, 3860	1.19E-04	3.75E-08	1.59E-08	1.45E-04	4.59E-08	1.95E-08	1.27E-04	4.02E-08	1.71E-08
2333	494561.06, 3860	1.18E-04	3.73E-08	1.58E-08	1.45E-04	4.57E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
2334	494611.06, 3860	1.18E-04	3.72E-08	1.58E-08	1.44E-04	4.55E-08	1.93E-08	1.26E-04	3.99E-08	1.69E-08
2335	494661.06, 3860	1.17E-04	3.70E-08	1.57E-08	1.44E-04	4.54E-08	1.93E-08	1.26E-04	3.98E-08	1.69E-08
2336	494711.06, 3860	1.17E-04	3.69E-08	1.56E-08	1.43E-04	4.52E-08	1.92E-08	1.25E-04	3.96E-08	1.68E-08
2337	494761.06, 3860	1.16E-04	3.67E-08	1.56E-08	1.43E-04	4.50E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
2338	494811.06, 3860	1.16E-04	3.66E-08	1.55E-08	1.42E-04	4.48E-08	1.90E-08	1.24E-04	3.93E-08	1.67E-08
2339	494861.06, 3860	1.16E-04	3.65E-08	1.55E-08	1.41E-04	4.47E-08	1.89E-08	1.24E-04	3.91E-08	1.66E-08
2340	494911.06, 3860	1.15E-04	3.63E-08	1.54E-08	1.41E-04	4.45E-08	1.89E-08	1.23E-04	3.90E-08	1.65E-08
2341	494961.06, 3860	1.14E-04	3.61E-08	1.53E-08	1.40E-04	4.43E-08	1.88E-08	1.23E-04	3.88E-08	1.65E-08
2342	495011.06, 3860	1.14E-04	3.60E-08	1.53E-08	1.40E-04	4.41E-08	1.87E-08	1.22E-04	3.86E-08	1.64E-08
2343	495061.06, 3860	1.13E-04	3.58E-08	1.52E-08	1.39E-04	4.39E-08	1.86E-08	1.22E-04	3.84E-08	1.63E-08
2344	495111.06, 3860	1.13E-04	3.57E-08	1.51E-08	1.38E-04	4.37E-08	1.85E-08	1.21E-04	3.83E-08	1.62E-08
2345	495161.06, 3860	1.13E-04	3.55E-08	1.51E-08	1.38E-04	4.35E-08	1.85E-08	1.21E-04	3.81E-08	1.62E-08
2346	495211.06, 3860	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.33E-08	1.84E-08	1.20E-04	3.79E-08	1.61E-08
2347	495261.06, 3860	1.12E-04	3.52E-08	1.49E-08	1.37E-04	4.31E-08	1.83E-08	1.20E-04	3.78E-08	1.60E-08
2348	495311.06, 3860	1.11E-04	3.51E-08	1.49E-08	1.36E-04	4.29E-08	1.82E-08	1.19E-04	3.76E-08	1.60E-08
2349	495361.06, 3860	1.11E-04	3.49E-08	1.48E-08	1.36E-04	4.28E-08	1.82E-08	1.19E-04	3.75E-08	1.59E-08
2350	495411.06, 3860	1.10E-04	3.48E-08	1.48E-08	1.35E-04	4.26E-08	1.81E-08	1.18E-04	3.73E-08	1.58E-08
2351	495461.06, 3860	1.10E-04	3.46E-08	1.47E-08	1.34E-04	4.24E-08	1.80E-08	1.18E-04	3.72E-08	1.58E-08
2352	495511.06, 3860	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.23E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
2353	495561.06, 3860	1.09E-04	3.44E-08	1.46E-08	1.33E-04	4.21E-08	1.79E-08	1.17E-04	3.69E-08	1.56E-08
2354	495611.06, 3860	1.08E-04	3.42E-08	1.45E-08	1.33E-04	4.19E-08	1.78E-08	1.16E-04	3.67E-08	1.56E-08
2355	495661.06, 3860	1.08E-04	3.41E-08	1.44E-08	1.32E-04	4.17E-08	1.77E-08	1.16E-04	3.66E-08	1.55E-08
2356	494411.06, 3860	1.18E-04	3.71E-08	1.57E-08	1.44E-04	4.55E-08	1.93E-08	1.26E-04	3.98E-08	1.69E-08
2357	494461.06, 3860	1.17E-04	3.70E-08	1.57E-08	1.44E-04	4.53E-08	1.92E-08	1.26E-04	3.97E-08	1.68E-08
2358	494511.06, 3860	1.17E-04	3.68E-08	1.56E-08	1.43E-04	4.51E-08	1.91E-08	1.25E-04	3.95E-08	1.68E-08
2359	494561.06, 3860	1.16E-04	3.67E-08	1.56E-08	1.42E-04	4.49E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
2360	494611.06, 3860	1.16E-04	3.66E-08	1.55E-08	1.42E-04	4.48E-08	1.90E-08	1.24E-04	3.93E-08	1.67E-08
2361	494661.06, 3860	1.15E-04	3.64E-08	1.55E-08	1.41E-04	4.46E-08	1.89E-08	1.24E-04	3.91E-08	1.66E-08
2362	494711.06, 3860	1.15E-04	3.63E-08	1.54E-08	1.41E-04	4.44E-08	1.89E-08	1.23E-04	3.89E-08	1.65E-08
2363	494761.06, 3860	1.14E-04	3.61E-08	1.53E-08	1.40E-04	4.43E-08	1.88E-08	1.23E-04	3.88E-08	1.65E-08
2364	494811.06, 3860	1.14E-04	3.60E-08	1.53E-08	1.40E-04	4.41E-08	1.87E-08	1.22E-04	3.86E-08	1.64E-08
2365	494861.06, 3860	1.14E-04	3.58E-08	1.52E-08	1.39E-04	4.39E-08	1.86E-08	1.22E-04	3.85E-08	1.63E-08
2366	494911.06, 3860	1.13E-04	3.57E-08	1.52E-08	1.39E-04	4.37E-08	1.86E-08	1.21E-04	3.83E-08	1.63E-08
2367	494961.06, 3860	1.13E-04	3.56E-08	1.51E-08	1.38E-04	4.36E-08	1.85E-08	1.21E-04	3.82E-08	1.62E-08
2368	495011.06, 3860	1.12E-04	3.54E-08	1.50E-08	1.37E-04	4.34E-08	1.84E-08	1.20E-04	3.80E-08	1.61E-08
2369	495061.06, 3860	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.79E-08	1.61E-08
2370	495111.06, 3860	1.11E-04	3.51E-08	1.49E-08	1.36E-04	4.30E-08	1.82E-08	1.19E-04	3.77E-08	1.60E-08
2371	495161.06, 3860	1.11E-04	3.50E-08	1.48E-08	1.36E-04	4.28E-08	1.82E-08	1.19E-04	3.75E-08	1.59E-08
2372	495211.06, 3860	1.10E-04	3.48E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.18E-04	3.74E-08	1.59E-08
2373	495261.06, 3860	1.10E-04	3.47E-08	1.47E-08	1.35E-04	4.25E-08	1.80E-08	1.18E-04	3.72E-08	1.58E-08
2374	495311.06, 3860	1.09E-04	3.46E-08	1.47E-08	1.34E-04	4.23E-08	1.80E-08	1.18E-04	3.71E-08	1.57E-08

2375	495361.06, 3860	1.09E-04	3.44E-08	1.46E-08	1.34E-04	4.22E-08	1.79E-08	1.17E-04	3.69E-08	1.57E-08
2376	495411.06, 3860	1.09E-04	3.43E-08	1.45E-08	1.33E-04	4.20E-08	1.78E-08	1.17E-04	3.68E-08	1.56E-08
2377	495461.06, 3860	1.08E-04	3.41E-08	1.45E-08	1.32E-04	4.18E-08	1.77E-08	1.16E-04	3.66E-08	1.55E-08
2378	495511.06, 3860	1.08E-04	3.40E-08	1.44E-08	1.32E-04	4.16E-08	1.77E-08	1.16E-04	3.65E-08	1.55E-08
2379	495561.06, 3860	1.07E-04	3.39E-08	1.44E-08	1.31E-04	4.15E-08	1.76E-08	1.15E-04	3.64E-08	1.54E-08
2380	495611.06, 3860	1.07E-04	3.37E-08	1.43E-08	1.31E-04	4.13E-08	1.75E-08	1.15E-04	3.62E-08	1.54E-08
2381	495661.06, 3860	1.06E-04	3.36E-08	1.42E-08	1.30E-04	4.11E-08	1.75E-08	1.14E-04	3.60E-08	1.53E-08
2382	494861.06, 3860	1.12E-04	3.52E-08	1.49E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.78E-08	1.60E-08
2383	494911.06, 3860	1.11E-04	3.51E-08	1.49E-08	1.36E-04	4.30E-08	1.82E-08	1.19E-04	3.77E-08	1.60E-08
2384	494961.06, 3860	1.11E-04	3.50E-08	1.48E-08	1.36E-04	4.29E-08	1.82E-08	1.19E-04	3.76E-08	1.59E-08
2385	495011.06, 3860	1.10E-04	3.49E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.19E-04	3.74E-08	1.59E-08
2386	495061.06, 3860	1.10E-04	3.47E-08	1.47E-08	1.35E-04	4.25E-08	1.80E-08	1.18E-04	3.73E-08	1.58E-08
2387	495111.06, 3860	1.10E-04	3.46E-08	1.47E-08	1.34E-04	4.24E-08	1.80E-08	1.18E-04	3.71E-08	1.57E-08
2388	495161.06, 3860	1.09E-04	3.44E-08	1.46E-08	1.34E-04	4.22E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
2389	495211.06, 3860	1.09E-04	3.43E-08	1.46E-08	1.33E-04	4.20E-08	1.78E-08	1.17E-04	3.68E-08	1.56E-08
2390	495261.06, 3860	1.08E-04	3.42E-08	1.45E-08	1.33E-04	4.19E-08	1.78E-08	1.16E-04	3.67E-08	1.56E-08
2391	495311.06, 3860	1.08E-04	3.40E-08	1.44E-08	1.32E-04	4.17E-08	1.77E-08	1.16E-04	3.65E-08	1.55E-08
2392	495361.06, 3860	1.07E-04	3.39E-08	1.44E-08	1.32E-04	4.15E-08	1.76E-08	1.15E-04	3.64E-08	1.54E-08
2393	495411.06, 3860	1.07E-04	3.38E-08	1.43E-08	1.31E-04	4.14E-08	1.76E-08	1.15E-04	3.63E-08	1.54E-08
2394	495461.06, 3860	1.07E-04	3.36E-08	1.43E-08	1.31E-04	4.12E-08	1.75E-08	1.14E-04	3.61E-08	1.53E-08
2395	495511.06, 3860	1.06E-04	3.35E-08	1.42E-08	1.30E-04	4.10E-08	1.74E-08	1.14E-04	3.60E-08	1.53E-08
2396	495561.06, 3860	1.06E-04	3.34E-08	1.42E-08	1.30E-04	4.09E-08	1.73E-08	1.14E-04	3.58E-08	1.52E-08
2397	495611.06, 3860	1.05E-04	3.32E-08	1.41E-08	1.29E-04	4.07E-08	1.73E-08	1.13E-04	3.57E-08	1.51E-08
2398	495661.06, 3860	1.05E-04	3.31E-08	1.40E-08	1.28E-04	4.05E-08	1.72E-08	1.13E-04	3.55E-08	1.51E-08
2399	495718.25, 3859	1.16E-04	3.66E-08	1.55E-08	1.42E-04	4.49E-08	1.90E-08	1.25E-04	3.93E-08	1.67E-08
2400	495818.25, 3859	1.14E-04	3.60E-08	1.53E-08	1.40E-04	4.41E-08	1.87E-08	1.23E-04	3.87E-08	1.64E-08
2401	495918.25, 3859	1.13E-04	3.56E-08	1.51E-08	1.38E-04	4.36E-08	1.85E-08	1.21E-04	3.82E-08	1.62E-08
2402	496018.25, 3859	1.12E-04	3.52E-08	1.49E-08	1.37E-04	4.31E-08	1.83E-08	1.20E-04	3.78E-08	1.60E-08
2403	496118.25, 3859	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.33E-08	1.84E-08	1.20E-04	3.79E-08	1.61E-08
2404	496218.25, 3859	1.12E-04	3.54E-08	1.50E-08	1.37E-04	4.33E-08	1.84E-08	1.20E-04	3.80E-08	1.61E-08
2405	496318.25, 3859	1.11E-04	3.51E-08	1.49E-08	1.36E-04	4.29E-08	1.82E-08	1.19E-04	3.76E-08	1.60E-08
2406	496418.25, 3859	1.10E-04	3.47E-08	1.47E-08	1.35E-04	4.25E-08	1.80E-08	1.18E-04	3.72E-08	1.58E-08
2407	495718.25, 3859	1.16E-04	3.67E-08	1.56E-08	1.42E-04	4.49E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
2408	495818.25, 3859	1.15E-04	3.63E-08	1.54E-08	1.41E-04	4.44E-08	1.88E-08	1.23E-04	3.89E-08	1.65E-08
2409	495918.25, 3859	1.13E-04	3.57E-08	1.52E-08	1.39E-04	4.38E-08	1.86E-08	1.22E-04	3.84E-08	1.63E-08
2410	496018.25, 3859	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.79E-08	1.61E-08
2411	496118.25, 3859	1.12E-04	3.54E-08	1.50E-08	1.37E-04	4.33E-08	1.84E-08	1.20E-04	3.80E-08	1.61E-08
2412	496218.25, 3859	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.79E-08	1.61E-08
2413	496318.25, 3859	1.11E-04	3.51E-08	1.49E-08	1.36E-04	4.30E-08	1.82E-08	1.19E-04	3.77E-08	1.60E-08
2414	496418.25, 3859	1.10E-04	3.47E-08	1.47E-08	1.35E-04	4.25E-08	1.80E-08	1.18E-04	3.72E-08	1.58E-08
2415	495718.25, 3859	1.15E-04	3.64E-08	1.55E-08	1.41E-04	4.46E-08	1.89E-08	1.24E-04	3.91E-08	1.66E-08
2416	495818.25, 3859	1.14E-04	3.60E-08	1.53E-08	1.40E-04	4.40E-08	1.87E-08	1.22E-04	3.86E-08	1.64E-08
2417	495918.25, 3859	1.13E-04	3.56E-08	1.51E-08	1.38E-04	4.37E-08	1.85E-08	1.21E-04	3.83E-08	1.62E-08
2418	496018.25, 3859	1.12E-04	3.52E-08	1.49E-08	1.37E-04	4.31E-08	1.83E-08	1.20E-04	3.78E-08	1.60E-08
2419	496118.25, 3859	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.79E-08	1.61E-08
2420	496218.25, 3859	1.12E-04	3.52E-08	1.49E-08	1.37E-04	4.31E-08	1.83E-08	1.20E-04	3.78E-08	1.60E-08
2421	496318.25, 3859	1.10E-04	3.49E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.19E-04	3.74E-08	1.59E-08
2422	496418.25, 3859	1.07E-04	3.38E-08	1.44E-08	1.31E-04	4.15E-08	1.76E-08	1.15E-04	3.63E-08	1.54E-08
2423	495718.25, 3859	1.15E-04	3.61E-08	1.53E-08	1.40E-04	4.43E-08	1.88E-08	1.23E-04	3.88E-08	1.65E-08
2424	495818.25, 3859	1.13E-04	3.57E-08	1.51E-08	1.38E-04	4.37E-08	1.85E-08	1.21E-04	3.83E-08	1.62E-08
2425	495918.25, 3859	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.79E-08	1.61E-08
2426	496018.25, 3859	1.11E-04	3.49E-08	1.48E-08	1.35E-04	4.28E-08	1.81E-08	1.19E-04	3.75E-08	1.59E-08
2427	496118.25, 3859	1.10E-04	3.49E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.19E-04	3.74E-08	1.59E-08
2428	496218.25, 3859	1.11E-04	3.49E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.19E-04	3.74E-08	1.59E-08
2429	496318.25, 3859	1.08E-04	3.41E-08	1.45E-08	1.32E-04	4.18E-08	1.77E-08	1.16E-04	3.66E-08	1.55E-08
2430	496418.25, 3859	1.06E-04	3.34E-08	1.42E-08	1.30E-04	4.09E-08	1.74E-08	1.14E-04	3.59E-08	1.52E-08
2431	495718.25, 3859	1.13E-04	3.56E-08	1.51E-08	1.38E-04	4.36E-08	1.85E-08	1.21E-04	3.82E-08	1.62E-08
2432	495818.25, 3859	1.12E-04	3.52E-08	1.49E-08	1.37E-04	4.31E-08	1.83E-08	1.20E-04	3.78E-08	1.60E-08

2433	495918.25, 3859	1.10E-04	3.49E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.19E-04	3.74E-08	1.59E-08
2434	496018.25, 3859	1.10E-04	3.46E-08	1.47E-08	1.34E-04	4.24E-08	1.80E-08	1.18E-04	3.71E-08	1.58E-08
2435	496118.25, 3859	1.10E-04	3.46E-08	1.47E-08	1.34E-04	4.24E-08	1.80E-08	1.18E-04	3.71E-08	1.58E-08
2436	496218.25, 3859	1.08E-04	3.40E-08	1.44E-08	1.32E-04	4.16E-08	1.77E-08	1.16E-04	3.65E-08	1.55E-08
2437	496318.25, 3859	1.04E-04	3.28E-08	1.39E-08	1.27E-04	4.01E-08	1.70E-08	1.11E-04	3.52E-08	1.49E-08
2438	496418.25, 3859	1.01E-04	3.18E-08	1.35E-08	1.24E-04	3.90E-08	1.65E-08	1.08E-04	3.42E-08	1.45E-08
2439	495718.25, 3859	1.10E-04	3.48E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.18E-04	3.74E-08	1.59E-08
2440	495818.25, 3859	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.23E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
2441	495918.25, 3859	1.08E-04	3.42E-08	1.45E-08	1.33E-04	4.19E-08	1.78E-08	1.16E-04	3.67E-08	1.56E-08
2442	496018.25, 3859	1.08E-04	3.41E-08	1.45E-08	1.32E-04	4.17E-08	1.77E-08	1.16E-04	3.66E-08	1.55E-08
2443	496118.25, 3859	1.07E-04	3.36E-08	1.43E-08	1.31E-04	4.12E-08	1.75E-08	1.14E-04	3.61E-08	1.53E-08
2444	496218.25, 3859	1.04E-04	3.30E-08	1.40E-08	1.28E-04	4.04E-08	1.71E-08	1.12E-04	3.54E-08	1.50E-08
2445	496318.25, 3859	1.02E-04	3.22E-08	1.37E-08	1.25E-04	3.94E-08	1.67E-08	1.09E-04	3.46E-08	1.47E-08
2446	496418.25, 3859	9.82E-05	3.10E-08	1.31E-08	1.20E-04	3.80E-08	1.61E-08	1.05E-04	3.33E-08	1.41E-08
2447	496856.82, 3858	9.78E-05	3.09E-08	1.31E-08	1.20E-04	3.78E-08	1.60E-08	1.05E-04	3.31E-08	1.41E-08
2448	496956.82, 3858	9.63E-05	3.04E-08	1.29E-08	1.18E-04	3.72E-08	1.58E-08	1.03E-04	3.26E-08	1.38E-08
2449	497056.82, 3858	9.50E-05	3.00E-08	1.27E-08	1.16E-04	3.67E-08	1.56E-08	1.02E-04	3.22E-08	1.37E-08
2450	497156.82, 3858	9.33E-05	2.94E-08	1.25E-08	1.14E-04	3.61E-08	1.53E-08	1.00E-04	3.16E-08	1.34E-08
2451	497256.82, 3858	9.28E-05	2.93E-08	1.24E-08	1.14E-04	3.59E-08	1.52E-08	9.96E-05	3.14E-08	1.33E-08
2452	496856.82, 3858	9.98E-05	3.15E-08	1.34E-08	1.22E-04	3.86E-08	1.64E-08	1.07E-04	3.38E-08	1.43E-08
2453	496956.82, 3858	9.77E-05	3.08E-08	1.31E-08	1.20E-04	3.78E-08	1.60E-08	1.05E-04	3.31E-08	1.40E-08
2454	497056.82, 3858	9.62E-05	3.04E-08	1.29E-08	1.18E-04	3.72E-08	1.58E-08	1.03E-04	3.26E-08	1.38E-08
2455	497156.82, 3858	9.46E-05	2.99E-08	1.27E-08	1.16E-04	3.66E-08	1.55E-08	1.02E-04	3.21E-08	1.36E-08
2456	497256.82, 3858	9.54E-05	3.01E-08	1.28E-08	1.17E-04	3.69E-08	1.56E-08	1.02E-04	3.23E-08	1.37E-08
2457	496856.82, 3859	1.00E-04	3.16E-08	1.34E-08	1.23E-04	3.87E-08	1.64E-08	1.08E-04	3.39E-08	1.44E-08
2458	496956.82, 3859	9.86E-05	3.11E-08	1.32E-08	1.21E-04	3.81E-08	1.62E-08	1.06E-04	3.34E-08	1.42E-08
2459	497056.82, 3859	9.73E-05	3.07E-08	1.30E-08	1.19E-04	3.76E-08	1.60E-08	1.04E-04	3.30E-08	1.40E-08
2460	497156.82, 3859	9.61E-05	3.03E-08	1.29E-08	1.18E-04	3.72E-08	1.58E-08	1.03E-04	3.26E-08	1.38E-08
2461	497256.82, 3859	9.77E-05	3.08E-08	1.31E-08	1.20E-04	3.78E-08	1.60E-08	1.05E-04	3.31E-08	1.40E-08
2462	496856.82, 3859	9.95E-05	3.14E-08	1.33E-08	1.22E-04	3.85E-08	1.63E-08	1.07E-04	3.37E-08	1.43E-08
2463	496956.82, 3859	9.78E-05	3.09E-08	1.31E-08	1.20E-04	3.78E-08	1.60E-08	1.05E-04	3.31E-08	1.41E-08
2464	497056.82, 3859	9.72E-05	3.07E-08	1.30E-08	1.19E-04	3.76E-08	1.59E-08	1.04E-04	3.29E-08	1.40E-08
2465	497156.82, 3859	9.77E-05	3.08E-08	1.31E-08	1.20E-04	3.78E-08	1.60E-08	1.05E-04	3.31E-08	1.40E-08
2466	497256.82, 3859	9.95E-05	3.14E-08	1.33E-08	1.22E-04	3.85E-08	1.63E-08	1.07E-04	3.37E-08	1.43E-08
2467	496856.82, 3859	9.82E-05	3.10E-08	1.31E-08	1.20E-04	3.79E-08	1.61E-08	1.05E-04	3.32E-08	1.41E-08
2468	496956.82, 3859	9.79E-05	3.09E-08	1.31E-08	1.20E-04	3.78E-08	1.61E-08	1.05E-04	3.32E-08	1.41E-08
2469	497056.82, 3859	9.85E-05	3.11E-08	1.32E-08	1.21E-04	3.81E-08	1.62E-08	1.06E-04	3.34E-08	1.42E-08
2470	497156.82, 3859	9.89E-05	3.12E-08	1.32E-08	1.21E-04	3.82E-08	1.62E-08	1.06E-04	3.35E-08	1.42E-08
2471	497256.82, 3859	1.00E-04	3.17E-08	1.34E-08	1.23E-04	3.88E-08	1.65E-08	1.08E-04	3.40E-08	1.44E-08
2472	497088.92, 3858	8.94E-05	2.82E-08	1.20E-08	1.09E-04	3.46E-08	1.47E-08	9.59E-05	3.03E-08	1.28E-08
2473	497138.92, 3858	8.93E-05	2.82E-08	1.20E-08	1.09E-04	3.45E-08	1.46E-08	9.58E-05	3.02E-08	1.28E-08
2474	497188.92, 3858	8.85E-05	2.79E-08	1.19E-08	1.08E-04	3.42E-08	1.45E-08	9.50E-05	3.00E-08	1.27E-08
2475	497238.92, 3858	8.81E-05	2.78E-08	1.18E-08	1.08E-04	3.40E-08	1.44E-08	9.46E-05	2.98E-08	1.27E-08
2476	497088.92, 3858	8.94E-05	2.82E-08	1.20E-08	1.09E-04	3.45E-08	1.47E-08	9.59E-05	3.03E-08	1.28E-08
2477	497138.92, 3858	8.97E-05	2.83E-08	1.20E-08	1.10E-04	3.47E-08	1.47E-08	9.63E-05	3.04E-08	1.29E-08
2478	497188.92, 3858	8.89E-05	2.81E-08	1.19E-08	1.09E-04	3.44E-08	1.46E-08	9.55E-05	3.01E-08	1.28E-08
2479	497238.92, 3858	8.88E-05	2.80E-08	1.19E-08	1.09E-04	3.43E-08	1.46E-08	9.53E-05	3.01E-08	1.28E-08
2480	497088.92, 3858	9.13E-05	2.88E-08	1.22E-08	1.12E-04	3.53E-08	1.50E-08	9.80E-05	3.09E-08	1.31E-08
2481	497138.92, 3858	8.91E-05	2.81E-08	1.19E-08	1.09E-04	3.44E-08	1.46E-08	9.56E-05	3.02E-08	1.28E-08
2482	497188.92, 3858	8.86E-05	2.80E-08	1.19E-08	1.09E-04	3.43E-08	1.45E-08	9.51E-05	3.00E-08	1.27E-08
2483	497238.92, 3858	8.97E-05	2.83E-08	1.20E-08	1.10E-04	3.47E-08	1.47E-08	9.63E-05	3.04E-08	1.29E-08
2484	497088.92, 3858	9.17E-05	2.89E-08	1.23E-08	1.12E-04	3.55E-08	1.50E-08	9.85E-05	3.11E-08	1.32E-08
2485	497138.92, 3858	9.08E-05	2.87E-08	1.22E-08	1.11E-04	3.51E-08	1.49E-08	9.75E-05	3.08E-08	1.31E-08
2486	497188.92, 3858	9.02E-05	2.85E-08	1.21E-08	1.10E-04	3.49E-08	1.48E-08	9.68E-05	3.06E-08	1.30E-08
2487	497238.92, 3858	9.07E-05	2.86E-08	1.21E-08	1.11E-04	3.51E-08	1.49E-08	9.74E-05	3.07E-08	1.30E-08
2488	497396.65, 3858	9.15E-05	2.89E-08	1.23E-08	1.12E-04	3.54E-08	1.50E-08	9.82E-05	3.10E-08	1.32E-08
2489	497496.65, 3858	9.33E-05	2.95E-08	1.25E-08	1.14E-04	3.61E-08	1.53E-08	1.00E-04	3.16E-08	1.34E-08
2490	497596.65, 3858	9.68E-05	3.06E-08	1.30E-08	1.19E-04	3.74E-08	1.59E-08	1.04E-04	3.28E-08	1.39E-08

2491	497696.65, 3858	9.76E-05	3.08E-08	1.31E-08	1.20E-04	3.77E-08	1.60E-08	1.05E-04	3.31E-08	1.40E-08
2492	497796.65, 3858	9.96E-05	3.14E-08	1.33E-08	1.22E-04	3.85E-08	1.63E-08	1.07E-04	3.37E-08	1.43E-08
2493	497896.65, 3858	1.02E-04	3.20E-08	1.36E-08	1.24E-04	3.93E-08	1.67E-08	1.09E-04	3.44E-08	1.46E-08
2494	497396.65, 3858	9.37E-05	2.96E-08	1.25E-08	1.15E-04	3.62E-08	1.54E-08	1.01E-04	3.17E-08	1.35E-08
2495	497496.65, 3858	9.55E-05	3.01E-08	1.28E-08	1.17E-04	3.69E-08	1.57E-08	1.03E-04	3.24E-08	1.37E-08
2496	497596.65, 3858	9.86E-05	3.11E-08	1.32E-08	1.21E-04	3.81E-08	1.62E-08	1.06E-04	3.34E-08	1.42E-08
2497	497696.65, 3858	1.00E-04	3.16E-08	1.34E-08	1.23E-04	3.87E-08	1.64E-08	1.08E-04	3.40E-08	1.44E-08
2498	497796.65, 3858	1.01E-04	3.19E-08	1.35E-08	1.24E-04	3.90E-08	1.66E-08	1.08E-04	3.42E-08	1.45E-08
2499	497896.65, 3858	1.02E-04	3.22E-08	1.37E-08	1.25E-04	3.95E-08	1.67E-08	1.10E-04	3.46E-08	1.47E-08
2500	497396.65, 3858	9.49E-05	2.99E-08	1.27E-08	1.16E-04	3.67E-08	1.56E-08	1.02E-04	3.21E-08	1.36E-08
2501	497496.65, 3858	9.63E-05	3.04E-08	1.29E-08	1.18E-04	3.72E-08	1.58E-08	1.03E-04	3.26E-08	1.38E-08
2502	497596.65, 3858	9.99E-05	3.15E-08	1.34E-08	1.22E-04	3.86E-08	1.64E-08	1.07E-04	3.39E-08	1.44E-08
2503	497696.65, 3858	1.01E-04	3.19E-08	1.35E-08	1.24E-04	3.90E-08	1.66E-08	1.08E-04	3.42E-08	1.45E-08
2504	497796.65, 3858	1.02E-04	3.21E-08	1.36E-08	1.25E-04	3.93E-08	1.67E-08	1.09E-04	3.44E-08	1.46E-08
2505	497896.65, 3858	1.04E-04	3.27E-08	1.39E-08	1.27E-04	4.01E-08	1.70E-08	1.11E-04	3.51E-08	1.49E-08
2506	497396.65, 3858	9.62E-05	3.04E-08	1.29E-08	1.18E-04	3.72E-08	1.58E-08	1.03E-04	3.26E-08	1.38E-08
2507	497496.65, 3858	9.92E-05	3.13E-08	1.33E-08	1.21E-04	3.83E-08	1.63E-08	1.06E-04	3.36E-08	1.43E-08
2508	497596.65, 3858	9.89E-05	3.12E-08	1.32E-08	1.21E-04	3.82E-08	1.62E-08	1.06E-04	3.35E-08	1.42E-08
2509	497696.65, 3858	1.02E-04	3.23E-08	1.37E-08	1.25E-04	3.95E-08	1.68E-08	1.10E-04	3.46E-08	1.47E-08
2510	497796.65, 3858	1.04E-04	3.27E-08	1.39E-08	1.27E-04	4.01E-08	1.70E-08	1.11E-04	3.51E-08	1.49E-08
2511	497896.65, 3858	1.06E-04	3.35E-08	1.42E-08	1.30E-04	4.10E-08	1.74E-08	1.14E-04	3.59E-08	1.52E-08
2512	497364.44, 3858	8.75E-05	2.76E-08	1.17E-08	1.07E-04	3.38E-08	1.44E-08	9.40E-05	2.97E-08	1.26E-08
2513	497414.44, 3858	8.85E-05	2.79E-08	1.19E-08	1.08E-04	3.42E-08	1.45E-08	9.51E-05	3.00E-08	1.27E-08
2514	497464.44, 3858	8.94E-05	2.82E-08	1.20E-08	1.09E-04	3.45E-08	1.47E-08	9.59E-05	3.03E-08	1.28E-08
2515	497514.44, 3858	8.97E-05	2.83E-08	1.20E-08	1.10E-04	3.47E-08	1.47E-08	9.63E-05	3.04E-08	1.29E-08
2516	497564.44, 3858	8.93E-05	2.82E-08	1.20E-08	1.09E-04	3.45E-08	1.46E-08	9.59E-05	3.03E-08	1.28E-08
2517	497614.44, 3858	8.95E-05	2.82E-08	1.20E-08	1.10E-04	3.46E-08	1.47E-08	9.61E-05	3.03E-08	1.29E-08
2518	497364.44, 3858	8.90E-05	2.81E-08	1.19E-08	1.09E-04	3.44E-08	1.46E-08	9.55E-05	3.01E-08	1.28E-08
2519	497414.44, 3858	9.03E-05	2.85E-08	1.21E-08	1.11E-04	3.49E-08	1.48E-08	9.69E-05	3.06E-08	1.30E-08
2520	497464.44, 3858	8.95E-05	2.83E-08	1.20E-08	1.10E-04	3.46E-08	1.47E-08	9.61E-05	3.03E-08	1.29E-08
2521	497514.44, 3858	8.86E-05	2.80E-08	1.19E-08	1.09E-04	3.42E-08	1.45E-08	9.51E-05	3.00E-08	1.27E-08
2522	497564.44, 3858	8.83E-05	2.79E-08	1.18E-08	1.08E-04	3.41E-08	1.45E-08	9.48E-05	2.99E-08	1.27E-08
2523	497614.44, 3858	8.80E-05	2.78E-08	1.18E-08	1.08E-04	3.40E-08	1.44E-08	9.45E-05	2.98E-08	1.27E-08
2524	497364.44, 3858	8.92E-05	2.82E-08	1.20E-08	1.09E-04	3.45E-08	1.46E-08	9.58E-05	3.02E-08	1.28E-08
2525	497414.44, 3858	9.00E-05	2.84E-08	1.20E-08	1.10E-04	3.48E-08	1.48E-08	9.66E-05	3.05E-08	1.29E-08
2526	497464.44, 3858	8.90E-05	2.81E-08	1.19E-08	1.09E-04	3.44E-08	1.46E-08	9.56E-05	3.02E-08	1.28E-08
2527	497514.44, 3858	8.84E-05	2.79E-08	1.18E-08	1.08E-04	3.42E-08	1.45E-08	9.49E-05	2.99E-08	1.27E-08
2528	497564.44, 3858	8.74E-05	2.76E-08	1.17E-08	1.07E-04	3.38E-08	1.43E-08	9.38E-05	2.96E-08	1.26E-08
2529	497614.44, 3858	8.71E-05	2.75E-08	1.17E-08	1.07E-04	3.37E-08	1.43E-08	9.35E-05	2.95E-08	1.25E-08
2530	497364.44, 3858	8.96E-05	2.83E-08	1.20E-08	1.10E-04	3.47E-08	1.47E-08	9.62E-05	3.04E-08	1.29E-08
2531	497414.44, 3858	8.90E-05	2.81E-08	1.19E-08	1.09E-04	3.44E-08	1.46E-08	9.56E-05	3.02E-08	1.28E-08
2532	497464.44, 3858	8.88E-05	2.80E-08	1.19E-08	1.09E-04	3.43E-08	1.46E-08	9.53E-05	3.01E-08	1.28E-08
2533	497514.44, 3858	8.83E-05	2.79E-08	1.18E-08	1.08E-04	3.41E-08	1.45E-08	9.48E-05	2.99E-08	1.27E-08
2534	497564.44, 3858	8.71E-05	2.75E-08	1.17E-08	1.07E-04	3.37E-08	1.43E-08	9.35E-05	2.95E-08	1.25E-08
2535	497614.44, 3858	8.68E-05	2.74E-08	1.16E-08	1.06E-04	3.35E-08	1.42E-08	9.32E-05	2.94E-08	1.25E-08
2536	497364.44, 3858	8.87E-05	2.80E-08	1.19E-08	1.09E-04	3.43E-08	1.45E-08	9.52E-05	3.00E-08	1.27E-08
2537	497414.44, 3858	8.86E-05	2.79E-08	1.19E-08	1.08E-04	3.42E-08	1.45E-08	9.51E-05	3.00E-08	1.27E-08
2538	497464.44, 3858	8.79E-05	2.77E-08	1.18E-08	1.08E-04	3.40E-08	1.44E-08	9.43E-05	2.98E-08	1.26E-08
2539	497514.44, 3858	8.75E-05	2.76E-08	1.17E-08	1.07E-04	3.38E-08	1.44E-08	9.40E-05	2.97E-08	1.26E-08
2540	497564.44, 3858	8.84E-05	2.79E-08	1.18E-08	1.08E-04	3.42E-08	1.45E-08	9.49E-05	3.00E-08	1.27E-08
2541	497614.44, 3858	8.93E-05	2.82E-08	1.20E-08	1.09E-04	3.45E-08	1.47E-08	9.59E-05	3.03E-08	1.28E-08
2542	493478.11, 3860	1.04E-04	3.27E-08	1.39E-08	1.27E-04	4.01E-08	1.70E-08	1.11E-04	3.51E-08	1.49E-08
2543	493528.11, 3860	1.03E-04	3.27E-08	1.39E-08	1.27E-04	4.00E-08	1.70E-08	1.11E-04	3.51E-08	1.49E-08
2544	493478.11, 3860	1.01E-04	3.19E-08	1.35E-08	1.24E-04	3.90E-08	1.66E-08	1.08E-04	3.42E-08	1.45E-08
2545	493528.11, 3860	1.01E-04	3.18E-08	1.35E-08	1.24E-04	3.90E-08	1.65E-08	1.08E-04	3.42E-08	1.45E-08
2546	493478.11, 3860	9.85E-05	3.11E-08	1.32E-08	1.21E-04	3.81E-08	1.62E-08	1.06E-04	3.34E-08	1.42E-08
2547	493528.11, 3860	9.84E-05	3.10E-08	1.32E-08	1.20E-04	3.80E-08	1.61E-08	1.06E-04	3.33E-08	1.41E-08
2548	493561.88, 3860	1.02E-04	3.22E-08	1.37E-08	1.25E-04	3.94E-08	1.67E-08	1.10E-04	3.46E-08	1.47E-08

2549	493591.88, 3860	1.02E-04	3.22E-08	1.37E-08	1.25E-04	3.95E-08	1.67E-08	1.10E-04	3.46E-08	1.47E-08
2550	493561.88, 3860	1.00E-04	3.17E-08	1.35E-08	1.23E-04	3.88E-08	1.65E-08	1.08E-04	3.40E-08	1.44E-08
2551	493591.88, 3860	1.01E-04	3.17E-08	1.35E-08	1.23E-04	3.89E-08	1.65E-08	1.08E-04	3.41E-08	1.45E-08
2552	492880.5, 38602	1.15E-04	3.63E-08	1.54E-08	1.41E-04	4.45E-08	1.89E-08	1.24E-04	3.90E-08	1.65E-08
2553	492930.5, 38602	1.15E-04	3.64E-08	1.54E-08	1.41E-04	4.45E-08	1.89E-08	1.24E-04	3.90E-08	1.66E-08
2554	492980.5, 38602	1.15E-04	3.64E-08	1.54E-08	1.41E-04	4.46E-08	1.89E-08	1.24E-04	3.91E-08	1.66E-08
2555	493030.5, 38602	1.16E-04	3.66E-08	1.55E-08	1.42E-04	4.48E-08	1.90E-08	1.25E-04	3.93E-08	1.67E-08
2556	493080.5, 38602	1.16E-04	3.68E-08	1.56E-08	1.43E-04	4.50E-08	1.91E-08	1.25E-04	3.95E-08	1.67E-08
2557	493130.5, 38602	1.16E-04	3.66E-08	1.55E-08	1.42E-04	4.49E-08	1.90E-08	1.25E-04	3.93E-08	1.67E-08
2558	493180.5, 38602	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.47E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
2559	493230.5, 38602	1.15E-04	3.64E-08	1.55E-08	1.41E-04	4.46E-08	1.89E-08	1.24E-04	3.91E-08	1.66E-08
2560	493280.5, 38602	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.47E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
2561	493330.5, 38602	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.47E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
2562	493380.5, 38602	1.15E-04	3.64E-08	1.55E-08	1.41E-04	4.46E-08	1.89E-08	1.24E-04	3.91E-08	1.66E-08
2563	492880.5, 38603	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.79E-08	1.61E-08
2564	492930.5, 38603	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.33E-08	1.84E-08	1.20E-04	3.79E-08	1.61E-08
2565	492980.5, 38603	1.13E-04	3.56E-08	1.51E-08	1.38E-04	4.36E-08	1.85E-08	1.21E-04	3.82E-08	1.62E-08
2566	493030.5, 38603	1.13E-04	3.56E-08	1.51E-08	1.38E-04	4.36E-08	1.85E-08	1.21E-04	3.82E-08	1.62E-08
2567	493080.5, 38603	1.13E-04	3.58E-08	1.52E-08	1.39E-04	4.38E-08	1.86E-08	1.22E-04	3.84E-08	1.63E-08
2568	493130.5, 38603	1.13E-04	3.57E-08	1.52E-08	1.39E-04	4.37E-08	1.86E-08	1.21E-04	3.83E-08	1.63E-08
2569	493180.5, 38603	1.13E-04	3.55E-08	1.51E-08	1.38E-04	4.35E-08	1.85E-08	1.21E-04	3.82E-08	1.62E-08
2570	493230.5, 38603	1.12E-04	3.55E-08	1.51E-08	1.38E-04	4.35E-08	1.84E-08	1.21E-04	3.81E-08	1.62E-08
2571	493280.5, 38603	1.13E-04	3.56E-08	1.51E-08	1.38E-04	4.36E-08	1.85E-08	1.21E-04	3.82E-08	1.62E-08
2572	493330.5, 38603	1.13E-04	3.56E-08	1.51E-08	1.38E-04	4.36E-08	1.85E-08	1.21E-04	3.82E-08	1.62E-08
2573	493380.5, 38603	1.13E-04	3.56E-08	1.51E-08	1.38E-04	4.36E-08	1.85E-08	1.21E-04	3.82E-08	1.62E-08
2574	492880.5, 38603	1.09E-04	3.43E-08	1.45E-08	1.33E-04	4.20E-08	1.78E-08	1.17E-04	3.68E-08	1.56E-08
2575	492930.5, 38603	1.09E-04	3.44E-08	1.46E-08	1.33E-04	4.21E-08	1.79E-08	1.17E-04	3.69E-08	1.57E-08
2576	492980.5, 38603	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.23E-08	1.79E-08	1.17E-04	3.71E-08	1.57E-08
2577	493030.5, 38603	1.10E-04	3.46E-08	1.47E-08	1.34E-04	4.24E-08	1.80E-08	1.18E-04	3.71E-08	1.58E-08
2578	493080.5, 38603	1.10E-04	3.48E-08	1.48E-08	1.35E-04	4.26E-08	1.81E-08	1.18E-04	3.74E-08	1.59E-08
2579	493130.5, 38603	1.10E-04	3.47E-08	1.47E-08	1.35E-04	4.25E-08	1.80E-08	1.18E-04	3.73E-08	1.58E-08
2580	493180.5, 38603	1.10E-04	3.46E-08	1.47E-08	1.34E-04	4.23E-08	1.80E-08	1.18E-04	3.71E-08	1.57E-08
2581	493230.5, 38603	1.10E-04	3.46E-08	1.47E-08	1.34E-04	4.24E-08	1.80E-08	1.18E-04	3.71E-08	1.58E-08
2582	493280.5, 38603	1.10E-04	3.47E-08	1.47E-08	1.35E-04	4.25E-08	1.80E-08	1.18E-04	3.72E-08	1.58E-08
2583	493330.5, 38603	1.10E-04	3.47E-08	1.47E-08	1.35E-04	4.25E-08	1.80E-08	1.18E-04	3.73E-08	1.58E-08
2584	493380.5, 38603	1.10E-04	3.47E-08	1.47E-08	1.35E-04	4.25E-08	1.80E-08	1.18E-04	3.73E-08	1.58E-08
2585	492880.5, 38604	1.06E-04	3.33E-08	1.41E-08	1.29E-04	4.08E-08	1.73E-08	1.13E-04	3.58E-08	1.52E-08
2586	492930.5, 38604	1.06E-04	3.34E-08	1.42E-08	1.30E-04	4.09E-08	1.73E-08	1.14E-04	3.58E-08	1.52E-08
2587	492980.5, 38604	1.06E-04	3.35E-08	1.42E-08	1.30E-04	4.10E-08	1.74E-08	1.14E-04	3.60E-08	1.53E-08
2588	493030.5, 38604	1.07E-04	3.36E-08	1.43E-08	1.30E-04	4.12E-08	1.75E-08	1.14E-04	3.61E-08	1.53E-08
2589	493080.5, 38604	1.07E-04	3.37E-08	1.43E-08	1.31E-04	4.12E-08	1.75E-08	1.14E-04	3.61E-08	1.53E-08
2590	493130.5, 38604	1.07E-04	3.37E-08	1.43E-08	1.31E-04	4.13E-08	1.75E-08	1.15E-04	3.62E-08	1.53E-08
2591	493180.5, 38604	1.06E-04	3.36E-08	1.43E-08	1.30E-04	4.11E-08	1.75E-08	1.14E-04	3.61E-08	1.53E-08
2592	493230.5, 38604	1.07E-04	3.37E-08	1.43E-08	1.31E-04	4.13E-08	1.75E-08	1.15E-04	3.62E-08	1.54E-08
2593	493280.5, 38604	1.07E-04	3.38E-08	1.43E-08	1.31E-04	4.13E-08	1.75E-08	1.15E-04	3.62E-08	1.54E-08
2594	493330.5, 38604	1.07E-04	3.39E-08	1.44E-08	1.31E-04	4.15E-08	1.76E-08	1.15E-04	3.63E-08	1.54E-08
2595	493380.5, 38604	1.07E-04	3.38E-08	1.43E-08	1.31E-04	4.14E-08	1.76E-08	1.15E-04	3.63E-08	1.54E-08
2596	493180.5, 38604	1.04E-04	3.27E-08	1.39E-08	1.27E-04	4.01E-08	1.70E-08	1.11E-04	3.51E-08	1.49E-08
2597	493230.5, 38604	1.04E-04	3.28E-08	1.39E-08	1.27E-04	4.02E-08	1.70E-08	1.12E-04	3.52E-08	1.49E-08
2598	493280.5, 38604	1.04E-04	3.29E-08	1.40E-08	1.28E-04	4.03E-08	1.71E-08	1.12E-04	3.53E-08	1.50E-08
2599	493330.5, 38604	1.04E-04	3.29E-08	1.40E-08	1.28E-04	4.03E-08	1.71E-08	1.12E-04	3.53E-08	1.50E-08
2600	493380.5, 38604	1.04E-04	3.29E-08	1.40E-08	1.28E-04	4.03E-08	1.71E-08	1.12E-04	3.53E-08	1.50E-08
2601	493330.5, 38605	1.02E-04	3.21E-08	1.36E-08	1.24E-04	3.93E-08	1.67E-08	1.09E-04	3.44E-08	1.46E-08
2602	493380.5, 38605	1.02E-04	3.20E-08	1.36E-08	1.24E-04	3.92E-08	1.67E-08	1.09E-04	3.44E-08	1.46E-08
2603	494135.94, 3860	8.59E-05	2.71E-08	1.15E-08	1.05E-04	3.32E-08	1.41E-08	9.22E-05	2.91E-08	1.23E-08
2604	494185.94, 3860	8.59E-05	2.71E-08	1.15E-08	1.05E-04	3.32E-08	1.41E-08	9.22E-05	2.91E-08	1.23E-08
2605	494135.94, 3860	8.38E-05	2.64E-08	1.12E-08	1.03E-04	3.24E-08	1.37E-08	8.99E-05	2.84E-08	1.20E-08
2606	494185.94, 3860	8.39E-05	2.65E-08	1.12E-08	1.03E-04	3.24E-08	1.38E-08	9.00E-05	2.84E-08	1.21E-08

2607	494135.94, 3860	8.18E-05	2.58E-08	1.10E-08	1.00E-04	3.16E-08	1.34E-08	8.78E-05	2.77E-08	1.18E-08
2608	494185.94, 3860	8.19E-05	2.58E-08	1.10E-08	1.00E-04	3.16E-08	1.34E-08	8.79E-05	2.77E-08	1.18E-08
2609	494135.94, 3861	7.98E-05	2.52E-08	1.07E-08	9.78E-05	3.09E-08	1.31E-08	8.57E-05	2.70E-08	1.15E-08
2610	494185.94, 3861	7.99E-05	2.52E-08	1.07E-08	9.79E-05	3.09E-08	1.31E-08	8.58E-05	2.71E-08	1.15E-08
2611	494135.94, 3861	7.79E-05	2.46E-08	1.04E-08	9.54E-05	3.01E-08	1.28E-08	8.36E-05	2.64E-08	1.12E-08
2612	494185.94, 3861	7.80E-05	2.46E-08	1.04E-08	9.55E-05	3.01E-08	1.28E-08	8.37E-05	2.64E-08	1.12E-08
2613	490360.04, 3858	4.22E-04	1.33E-07	5.65E-08	5.17E-04	1.63E-07	6.93E-08	4.54E-04	1.43E-07	6.08E-08
2614	490410.04, 3858	4.15E-04	1.31E-07	5.56E-08	5.08E-04	1.60E-07	6.80E-08	4.46E-04	1.41E-07	5.97E-08
2615	490460.04, 3858	4.07E-04	1.29E-07	5.45E-08	4.99E-04	1.57E-07	6.68E-08	4.38E-04	1.38E-07	5.86E-08
2616	490510.04, 3858	4.00E-04	1.26E-07	5.36E-08	4.90E-04	1.55E-07	6.57E-08	4.30E-04	1.36E-07	5.76E-08
2617	490560.04, 3858	3.94E-04	1.24E-07	5.27E-08	4.82E-04	1.52E-07	6.46E-08	4.23E-04	1.34E-07	5.67E-08
2618	490610.04, 3858	3.88E-04	1.22E-07	5.19E-08	4.75E-04	1.50E-07	6.36E-08	4.16E-04	1.31E-07	5.58E-08
2619	490660.04, 3858	3.82E-04	1.21E-07	5.12E-08	4.68E-04	1.48E-07	6.27E-08	4.10E-04	1.30E-07	5.50E-08
2620	490710.04, 3858	3.76E-04	1.19E-07	5.03E-08	4.60E-04	1.45E-07	6.16E-08	4.04E-04	1.27E-07	5.41E-08
2621	490760.04, 3858	3.70E-04	1.17E-07	4.95E-08	4.53E-04	1.43E-07	6.07E-08	3.97E-04	1.25E-07	5.32E-08
2622	490810.04, 3858	3.64E-04	1.15E-07	4.88E-08	4.46E-04	1.41E-07	5.97E-08	3.91E-04	1.23E-07	5.24E-08
2623	490860.04, 3858	3.58E-04	1.13E-07	4.80E-08	4.39E-04	1.38E-07	5.88E-08	3.85E-04	1.21E-07	5.15E-08
2624	490360.04, 3858	4.08E-04	1.29E-07	5.46E-08	4.99E-04	1.58E-07	6.69E-08	4.38E-04	1.38E-07	5.87E-08
2625	490410.04, 3858	4.01E-04	1.26E-07	5.36E-08	4.91E-04	1.55E-07	6.57E-08	4.31E-04	1.36E-07	5.77E-08
2626	490460.04, 3858	3.94E-04	1.24E-07	5.27E-08	4.82E-04	1.52E-07	6.46E-08	4.23E-04	1.33E-07	5.66E-08
2627	490510.04, 3858	3.87E-04	1.22E-07	5.18E-08	4.74E-04	1.49E-07	6.34E-08	4.15E-04	1.31E-07	5.56E-08
2628	490560.04, 3858	3.80E-04	1.20E-07	5.09E-08	4.66E-04	1.47E-07	6.24E-08	4.09E-04	1.29E-07	5.47E-08
2629	490610.04, 3858	3.74E-04	1.18E-07	5.01E-08	4.58E-04	1.45E-07	6.14E-08	4.02E-04	1.27E-07	5.38E-08
2630	490660.04, 3858	3.68E-04	1.16E-07	4.93E-08	4.51E-04	1.42E-07	6.04E-08	3.96E-04	1.25E-07	5.30E-08
2631	490710.04, 3858	3.63E-04	1.14E-07	4.85E-08	4.44E-04	1.40E-07	5.95E-08	3.89E-04	1.23E-07	5.22E-08
2632	490760.04, 3858	3.57E-04	1.13E-07	4.78E-08	4.37E-04	1.38E-07	5.85E-08	3.83E-04	1.21E-07	5.13E-08
2633	490810.04, 3858	3.51E-04	1.11E-07	4.70E-08	4.30E-04	1.36E-07	5.76E-08	3.77E-04	1.19E-07	5.05E-08
2634	490860.04, 3858	3.46E-04	1.09E-07	4.63E-08	4.24E-04	1.34E-07	5.68E-08	3.72E-04	1.17E-07	4.98E-08
2635	490360.04, 3858	3.92E-04	1.24E-07	5.25E-08	4.81E-04	1.52E-07	6.43E-08	4.22E-04	1.33E-07	5.65E-08
2636	490410.04, 3858	3.86E-04	1.22E-07	5.16E-08	4.72E-04	1.49E-07	6.32E-08	4.14E-04	1.31E-07	5.55E-08
2637	490460.04, 3858	3.79E-04	1.20E-07	5.07E-08	4.64E-04	1.46E-07	6.21E-08	4.07E-04	1.29E-07	5.45E-08
2638	490510.04, 3858	3.73E-04	1.18E-07	4.99E-08	4.57E-04	1.44E-07	6.12E-08	4.01E-04	1.26E-07	5.37E-08
2639	490560.04, 3858	3.67E-04	1.16E-07	4.91E-08	4.50E-04	1.42E-07	6.02E-08	3.94E-04	1.24E-07	5.28E-08
2640	490610.04, 3858	3.61E-04	1.14E-07	4.83E-08	4.42E-04	1.39E-07	5.92E-08	3.88E-04	1.22E-07	5.19E-08
2641	490660.04, 3858	3.55E-04	1.12E-07	4.75E-08	4.35E-04	1.37E-07	5.82E-08	3.81E-04	1.20E-07	5.11E-08
2642	490710.04, 3858	3.49E-04	1.10E-07	4.68E-08	4.28E-04	1.35E-07	5.73E-08	3.75E-04	1.18E-07	5.03E-08
2643	490760.04, 3858	3.43E-04	1.08E-07	4.60E-08	4.20E-04	1.33E-07	5.63E-08	3.69E-04	1.16E-07	4.94E-08
2644	490810.04, 3858	3.39E-04	1.07E-07	4.54E-08	4.15E-04	1.31E-07	5.56E-08	3.64E-04	1.15E-07	4.87E-08
2645	490860.04, 3858	3.33E-04	1.05E-07	4.47E-08	4.08E-04	1.29E-07	5.47E-08	3.58E-04	1.13E-07	4.80E-08
2646	490360.04, 3858	3.76E-04	1.19E-07	5.04E-08	4.61E-04	1.45E-07	6.17E-08	4.04E-04	1.28E-07	5.41E-08
2647	490410.04, 3858	3.70E-04	1.17E-07	4.96E-08	4.54E-04	1.43E-07	6.08E-08	3.98E-04	1.26E-07	5.33E-08
2648	490460.04, 3858	3.64E-04	1.15E-07	4.87E-08	4.46E-04	1.41E-07	5.97E-08	3.91E-04	1.23E-07	5.24E-08
2649	490510.04, 3858	3.59E-04	1.13E-07	4.81E-08	4.40E-04	1.39E-07	5.89E-08	3.86E-04	1.22E-07	5.16E-08
2650	490560.04, 3858	3.53E-04	1.11E-07	4.73E-08	4.33E-04	1.37E-07	5.79E-08	3.79E-04	1.20E-07	5.08E-08
2651	490610.04, 3858	3.47E-04	1.09E-07	4.64E-08	4.25E-04	1.34E-07	5.69E-08	3.73E-04	1.18E-07	4.99E-08
2652	490660.04, 3858	3.42E-04	1.08E-07	4.57E-08	4.18E-04	1.32E-07	5.60E-08	3.67E-04	1.16E-07	4.91E-08
2653	490710.04, 3858	3.37E-04	1.06E-07	4.51E-08	4.13E-04	1.30E-07	5.53E-08	3.62E-04	1.14E-07	4.85E-08
2654	490760.04, 3858	3.31E-04	1.05E-07	4.44E-08	4.06E-04	1.28E-07	5.43E-08	3.56E-04	1.12E-07	4.76E-08
2655	490810.04, 3858	3.26E-04	1.03E-07	4.36E-08	3.99E-04	1.26E-07	5.35E-08	3.50E-04	1.10E-07	4.69E-08
2656	490860.04, 3858	3.21E-04	1.01E-07	4.29E-08	3.93E-04	1.24E-07	5.26E-08	3.44E-04	1.09E-07	4.61E-08
2657	490360.04, 3858	3.61E-04	1.14E-07	4.83E-08	4.42E-04	1.39E-07	5.92E-08	3.88E-04	1.22E-07	5.19E-08
2658	490410.04, 3858	3.55E-04	1.12E-07	4.76E-08	4.35E-04	1.37E-07	5.83E-08	3.82E-04	1.20E-07	5.11E-08
2659	490460.04, 3858	3.50E-04	1.10E-07	4.68E-08	4.28E-04	1.35E-07	5.74E-08	3.76E-04	1.19E-07	5.03E-08
2660	490510.04, 3858	3.44E-04	1.09E-07	4.61E-08	4.22E-04	1.33E-07	5.65E-08	3.70E-04	1.17E-07	4.95E-08
2661	490560.04, 3858	3.39E-04	1.07E-07	4.54E-08	4.15E-04	1.31E-07	5.56E-08	3.64E-04	1.15E-07	4.87E-08
2662	490610.04, 3858	3.33E-04	1.05E-07	4.46E-08	4.08E-04	1.29E-07	5.46E-08	3.58E-04	1.13E-07	4.79E-08
2663	490660.04, 3858	3.28E-04	1.04E-07	4.40E-08	4.02E-04	1.27E-07	5.38E-08	3.53E-04	1.11E-07	4.72E-08
2664	490710.04, 3858	3.23E-04	1.02E-07	4.33E-08	3.96E-04	1.25E-07	5.30E-08	3.47E-04	1.10E-07	4.65E-08

2665	490760.04, 3858	3.18E-04	1.00E-07	4.25E-08	3.89E-04	1.23E-07	5.21E-08	3.41E-04	1.08E-07	4.57E-08
2666	490810.04, 3858	3.13E-04	9.88E-08	4.19E-08	3.83E-04	1.21E-07	5.14E-08	3.36E-04	1.06E-07	4.50E-08
2667	490860.04, 3858	3.08E-04	9.71E-08	4.12E-08	3.77E-04	1.19E-07	5.05E-08	3.30E-04	1.04E-07	4.43E-08
2668	490360.04, 3858	3.45E-04	1.09E-07	4.62E-08	4.22E-04	1.33E-07	5.65E-08	3.70E-04	1.17E-07	4.96E-08
2669	490410.04, 3858	3.40E-04	1.07E-07	4.55E-08	4.16E-04	1.31E-07	5.57E-08	3.65E-04	1.15E-07	4.89E-08
2670	490460.04, 3858	3.34E-04	1.05E-07	4.48E-08	4.09E-04	1.29E-07	5.48E-08	3.59E-04	1.13E-07	4.81E-08
2671	490510.04, 3858	3.29E-04	1.04E-07	4.41E-08	4.03E-04	1.27E-07	5.40E-08	3.54E-04	1.12E-07	4.74E-08
2672	490560.04, 3858	3.24E-04	1.02E-07	4.34E-08	3.97E-04	1.25E-07	5.32E-08	3.49E-04	1.10E-07	4.67E-08
2673	490610.04, 3858	3.19E-04	1.01E-07	4.27E-08	3.91E-04	1.23E-07	5.23E-08	3.43E-04	1.08E-07	4.59E-08
2674	490660.04, 3858	3.15E-04	9.94E-08	4.22E-08	3.86E-04	1.22E-07	5.17E-08	3.38E-04	1.07E-07	4.53E-08
2675	490710.04, 3858	3.10E-04	9.78E-08	4.15E-08	3.80E-04	1.20E-07	5.08E-08	3.33E-04	1.05E-07	4.46E-08
2676	490760.04, 3858	3.05E-04	9.63E-08	4.08E-08	3.74E-04	1.18E-07	5.00E-08	3.28E-04	1.03E-07	4.39E-08
2677	490810.04, 3858	3.00E-04	9.47E-08	4.02E-08	3.68E-04	1.16E-07	4.92E-08	3.22E-04	1.02E-07	4.32E-08
2678	490860.04, 3858	2.95E-04	9.31E-08	3.95E-08	3.61E-04	1.14E-07	4.84E-08	3.17E-04	1.00E-07	4.24E-08
2679	490360.04, 3859	3.29E-04	1.04E-07	4.40E-08	4.03E-04	1.27E-07	5.39E-08	3.53E-04	1.12E-07	4.73E-08
2680	490410.04, 3859	3.24E-04	1.02E-07	4.34E-08	3.97E-04	1.25E-07	5.31E-08	3.48E-04	1.10E-07	4.66E-08
2681	490460.04, 3859	3.19E-04	1.01E-07	4.27E-08	3.90E-04	1.23E-07	5.23E-08	3.42E-04	1.08E-07	4.59E-08
2682	490510.04, 3859	3.13E-04	9.89E-08	4.20E-08	3.84E-04	1.21E-07	5.14E-08	3.37E-04	1.06E-07	4.51E-08
2683	490560.04, 3859	3.10E-04	9.77E-08	4.15E-08	3.79E-04	1.20E-07	5.08E-08	3.33E-04	1.05E-07	4.46E-08
2684	490610.04, 3859	3.05E-04	9.62E-08	4.08E-08	3.73E-04	1.18E-07	5.00E-08	3.27E-04	1.03E-07	4.38E-08
2685	490660.04, 3859	3.01E-04	9.51E-08	4.04E-08	3.69E-04	1.17E-07	4.94E-08	3.24E-04	1.02E-07	4.34E-08
2686	490710.04, 3859	2.96E-04	9.36E-08	3.97E-08	3.63E-04	1.15E-07	4.86E-08	3.18E-04	1.00E-07	4.26E-08
2687	490760.04, 3859	2.92E-04	9.21E-08	3.91E-08	3.57E-04	1.13E-07	4.79E-08	3.13E-04	9.89E-08	4.20E-08
2688	490810.04, 3859	2.87E-04	9.06E-08	3.84E-08	3.52E-04	1.11E-07	4.71E-08	3.08E-04	9.73E-08	4.13E-08
2689	490860.04, 3859	2.83E-04	8.92E-08	3.79E-08	3.46E-04	1.09E-07	4.64E-08	3.04E-04	9.58E-08	4.07E-08
2690	490360.04, 3859	3.13E-04	9.87E-08	4.19E-08	3.83E-04	1.21E-07	5.13E-08	3.36E-04	1.06E-07	4.50E-08
2691	490410.04, 3859	3.08E-04	9.71E-08	4.12E-08	3.77E-04	1.19E-07	5.05E-08	3.31E-04	1.04E-07	4.43E-08
2692	490460.04, 3859	3.03E-04	9.57E-08	4.06E-08	3.71E-04	1.17E-07	4.97E-08	3.26E-04	1.03E-07	4.36E-08
2693	490510.04, 3859	2.99E-04	9.44E-08	4.01E-08	3.66E-04	1.16E-07	4.91E-08	3.21E-04	1.01E-07	4.30E-08
2694	490560.04, 3859	2.94E-04	9.29E-08	3.94E-08	3.61E-04	1.14E-07	4.83E-08	3.16E-04	9.98E-08	4.24E-08
2695	490610.04, 3859	2.91E-04	9.18E-08	3.89E-08	3.56E-04	1.12E-07	4.77E-08	3.12E-04	9.86E-08	4.18E-08
2696	490660.04, 3859	2.87E-04	9.07E-08	3.85E-08	3.52E-04	1.11E-07	4.71E-08	3.09E-04	9.75E-08	4.13E-08
2697	490710.04, 3859	2.83E-04	8.92E-08	3.79E-08	3.46E-04	1.09E-07	4.64E-08	3.04E-04	9.58E-08	4.07E-08
2698	490760.04, 3859	2.78E-04	8.79E-08	3.73E-08	3.41E-04	1.08E-07	4.57E-08	2.99E-04	9.44E-08	4.00E-08
2699	490810.04, 3859	2.74E-04	8.65E-08	3.67E-08	3.36E-04	1.06E-07	4.49E-08	2.94E-04	9.28E-08	3.94E-08
2700	490860.04, 3859	2.70E-04	8.51E-08	3.61E-08	3.30E-04	1.04E-07	4.43E-08	2.90E-04	9.14E-08	3.88E-08
2701	490360.04, 3859	2.98E-04	9.39E-08	3.99E-08	3.65E-04	1.15E-07	4.88E-08	3.20E-04	1.01E-07	4.28E-08
2702	490410.04, 3859	2.93E-04	9.25E-08	3.93E-08	3.59E-04	1.13E-07	4.81E-08	3.15E-04	9.94E-08	4.22E-08
2703	490460.04, 3859	2.90E-04	9.14E-08	3.88E-08	3.55E-04	1.12E-07	4.75E-08	3.11E-04	9.82E-08	4.17E-08
2704	490510.04, 3859	2.84E-04	8.97E-08	3.81E-08	3.48E-04	1.10E-07	4.66E-08	3.05E-04	9.64E-08	4.09E-08
2705	490560.04, 3859	2.80E-04	8.85E-08	3.76E-08	3.44E-04	1.08E-07	4.60E-08	3.01E-04	9.51E-08	4.03E-08
2706	490610.04, 3859	2.76E-04	8.72E-08	3.70E-08	3.38E-04	1.07E-07	4.53E-08	2.97E-04	9.37E-08	3.98E-08
2707	490660.04, 3859	2.72E-04	8.58E-08	3.64E-08	3.33E-04	1.05E-07	4.46E-08	2.92E-04	9.21E-08	3.91E-08
2708	490710.04, 3859	2.69E-04	8.48E-08	3.60E-08	3.29E-04	1.04E-07	4.41E-08	2.89E-04	9.11E-08	3.86E-08
2709	490760.04, 3859	2.65E-04	8.36E-08	3.55E-08	3.25E-04	1.02E-07	4.35E-08	2.85E-04	8.98E-08	3.81E-08
2710	490810.04, 3859	2.61E-04	8.22E-08	3.49E-08	3.19E-04	1.01E-07	4.27E-08	2.80E-04	8.83E-08	3.75E-08
2711	490860.04, 3859	2.56E-04	8.09E-08	3.43E-08	3.14E-04	9.91E-08	4.20E-08	2.75E-04	8.69E-08	3.69E-08
2712	490360.04, 3859	2.83E-04	8.93E-08	3.79E-08	3.47E-04	1.09E-07	4.64E-08	3.04E-04	9.60E-08	4.07E-08
2713	490410.04, 3859	2.79E-04	8.82E-08	3.74E-08	3.42E-04	1.08E-07	4.58E-08	3.00E-04	9.48E-08	4.02E-08
2714	490460.04, 3859	2.76E-04	8.71E-08	3.69E-08	3.38E-04	1.07E-07	4.52E-08	2.96E-04	9.35E-08	3.97E-08
2715	490510.04, 3859	2.72E-04	8.59E-08	3.64E-08	3.33E-04	1.05E-07	4.46E-08	2.92E-04	9.23E-08	3.91E-08
2716	490560.04, 3859	2.68E-04	8.45E-08	3.58E-08	3.28E-04	1.03E-07	4.39E-08	2.88E-04	9.08E-08	3.85E-08
2717	490610.04, 3859	2.64E-04	8.34E-08	3.54E-08	3.24E-04	1.02E-07	4.34E-08	2.84E-04	8.96E-08	3.80E-08
2718	490660.04, 3859	2.58E-04	8.15E-08	3.46E-08	3.16E-04	9.98E-08	4.24E-08	2.77E-04	8.75E-08	3.71E-08
2719	490710.04, 3859	2.55E-04	8.06E-08	3.42E-08	3.13E-04	9.87E-08	4.19E-08	2.74E-04	8.65E-08	3.67E-08
2720	490760.04, 3859	2.50E-04	7.90E-08	3.35E-08	3.07E-04	9.68E-08	4.11E-08	2.69E-04	8.49E-08	3.60E-08
2721	490810.04, 3859	2.47E-04	7.81E-08	3.31E-08	3.03E-04	9.57E-08	4.06E-08	2.66E-04	8.39E-08	3.56E-08
2722	490860.04, 3859	2.44E-04	7.71E-08	3.27E-08	2.99E-04	9.44E-08	4.01E-08	2.62E-04	8.28E-08	3.51E-08

2723	490360.04, 3859	2.69E-04	8.49E-08	3.60E-08	3.29E-04	1.04E-07	4.41E-08	2.89E-04	9.12E-08	3.87E-08
2724	490410.04, 3859	2.67E-04	8.42E-08	3.57E-08	3.27E-04	1.03E-07	4.38E-08	2.87E-04	9.05E-08	3.84E-08
2725	490460.04, 3859	2.63E-04	8.29E-08	3.52E-08	3.22E-04	1.02E-07	4.31E-08	2.82E-04	8.91E-08	3.78E-08
2726	490510.04, 3859	2.59E-04	8.18E-08	3.47E-08	3.18E-04	1.00E-07	4.25E-08	2.79E-04	8.79E-08	3.73E-08
2727	490560.04, 3859	2.57E-04	8.10E-08	3.44E-08	3.14E-04	9.92E-08	4.21E-08	2.76E-04	8.70E-08	3.69E-08
2728	490610.04, 3859	2.53E-04	7.99E-08	3.39E-08	3.10E-04	9.78E-08	4.15E-08	2.72E-04	8.58E-08	3.64E-08
2729	490660.04, 3859	2.48E-04	7.82E-08	3.32E-08	3.04E-04	9.58E-08	4.07E-08	2.66E-04	8.40E-08	3.57E-08
2730	490710.04, 3859	2.45E-04	7.72E-08	3.28E-08	3.00E-04	9.46E-08	4.01E-08	2.63E-04	8.29E-08	3.52E-08
2731	490760.04, 3859	2.40E-04	7.58E-08	3.21E-08	2.94E-04	9.28E-08	3.94E-08	2.58E-04	8.14E-08	3.45E-08
2732	490810.04, 3859	2.39E-04	7.54E-08	3.20E-08	2.93E-04	9.23E-08	3.92E-08	2.57E-04	8.10E-08	3.43E-08
2733	490860.04, 3859	2.37E-04	7.50E-08	3.18E-08	2.91E-04	9.18E-08	3.90E-08	2.55E-04	8.05E-08	3.41E-08
2734	490360.04, 3859	2.55E-04	8.06E-08	3.42E-08	3.13E-04	9.88E-08	4.19E-08	2.75E-04	8.67E-08	3.68E-08
2735	490410.04, 3859	2.53E-04	8.00E-08	3.39E-08	3.10E-04	9.80E-08	4.16E-08	2.72E-04	8.59E-08	3.65E-08
2736	490460.04, 3859	2.51E-04	7.94E-08	3.37E-08	3.08E-04	9.72E-08	4.13E-08	2.70E-04	8.53E-08	3.62E-08
2737	490510.04, 3859	2.50E-04	7.87E-08	3.34E-08	3.06E-04	9.65E-08	4.09E-08	2.68E-04	8.46E-08	3.59E-08
2738	490560.04, 3859	2.47E-04	7.79E-08	3.30E-08	3.02E-04	9.54E-08	4.05E-08	2.65E-04	8.37E-08	3.55E-08
2739	490610.04, 3859	2.43E-04	7.66E-08	3.25E-08	2.97E-04	9.39E-08	3.98E-08	2.61E-04	8.23E-08	3.49E-08
2740	490660.04, 3859	2.42E-04	7.62E-08	3.23E-08	2.96E-04	9.34E-08	3.96E-08	2.59E-04	8.19E-08	3.47E-08
2741	490710.04, 3859	2.39E-04	7.54E-08	3.20E-08	2.93E-04	9.24E-08	3.92E-08	2.57E-04	8.10E-08	3.44E-08
2742	490760.04, 3859	2.35E-04	7.41E-08	3.14E-08	2.88E-04	9.07E-08	3.85E-08	2.52E-04	7.96E-08	3.38E-08
2743	490810.04, 3859	2.33E-04	7.36E-08	3.12E-08	2.86E-04	9.01E-08	3.82E-08	2.50E-04	7.90E-08	3.35E-08
2744	490860.04, 3859	2.32E-04	7.31E-08	3.10E-08	2.84E-04	8.95E-08	3.80E-08	2.49E-04	7.85E-08	3.33E-08
2745	490360.04, 3859	2.44E-04	7.69E-08	3.26E-08	2.98E-04	9.42E-08	3.99E-08	2.62E-04	8.26E-08	3.51E-08
2746	490410.04, 3859	2.42E-04	7.63E-08	3.24E-08	2.96E-04	9.35E-08	3.97E-08	2.60E-04	8.20E-08	3.48E-08
2747	490460.04, 3859	2.40E-04	7.58E-08	3.22E-08	2.94E-04	9.29E-08	3.94E-08	2.58E-04	8.15E-08	3.46E-08
2748	490510.04, 3859	2.39E-04	7.54E-08	3.20E-08	2.93E-04	9.23E-08	3.92E-08	2.57E-04	8.10E-08	3.44E-08
2749	490560.04, 3859	2.37E-04	7.49E-08	3.18E-08	2.91E-04	9.17E-08	3.89E-08	2.55E-04	8.04E-08	3.41E-08
2750	490610.04, 3859	2.36E-04	7.44E-08	3.16E-08	2.89E-04	9.12E-08	3.87E-08	2.53E-04	8.00E-08	3.39E-08
2751	490660.04, 3859	2.34E-04	7.38E-08	3.13E-08	2.87E-04	9.05E-08	3.84E-08	2.51E-04	7.93E-08	3.37E-08
2752	490710.04, 3859	2.31E-04	7.28E-08	3.09E-08	2.82E-04	8.91E-08	3.78E-08	2.48E-04	7.82E-08	3.32E-08
2753	490760.04, 3859	2.28E-04	7.21E-08	3.06E-08	2.80E-04	8.83E-08	3.74E-08	2.45E-04	7.74E-08	3.28E-08
2754	490810.04, 3859	2.27E-04	7.16E-08	3.04E-08	2.78E-04	8.77E-08	3.72E-08	2.44E-04	7.69E-08	3.26E-08
2755	490860.04, 3859	2.25E-04	7.09E-08	3.01E-08	2.75E-04	8.68E-08	3.68E-08	2.41E-04	7.61E-08	3.23E-08
2756	490360.04, 3859	2.32E-04	7.33E-08	3.11E-08	2.85E-04	8.98E-08	3.81E-08	2.50E-04	7.88E-08	3.34E-08
2757	490410.04, 3859	2.31E-04	7.30E-08	3.10E-08	2.83E-04	8.94E-08	3.79E-08	2.49E-04	7.84E-08	3.33E-08
2758	490460.04, 3859	2.30E-04	7.27E-08	3.08E-08	2.82E-04	8.90E-08	3.78E-08	2.47E-04	7.81E-08	3.31E-08
2759	490510.04, 3859	2.29E-04	7.23E-08	3.07E-08	2.81E-04	8.86E-08	3.76E-08	2.46E-04	7.77E-08	3.30E-08
2760	490560.04, 3859	2.28E-04	7.19E-08	3.05E-08	2.79E-04	8.80E-08	3.73E-08	2.45E-04	7.72E-08	3.28E-08
2761	490610.04, 3859	2.26E-04	7.14E-08	3.03E-08	2.77E-04	8.74E-08	3.71E-08	2.43E-04	7.67E-08	3.25E-08
2762	490660.04, 3859	2.25E-04	7.10E-08	3.01E-08	2.75E-04	8.69E-08	3.69E-08	2.42E-04	7.62E-08	3.23E-08
2763	490710.04, 3859	2.23E-04	7.03E-08	2.98E-08	2.73E-04	8.62E-08	3.66E-08	2.39E-04	7.56E-08	3.21E-08
2764	490760.04, 3859	2.21E-04	6.96E-08	2.95E-08	2.70E-04	8.53E-08	3.62E-08	2.37E-04	7.48E-08	3.17E-08
2765	490810.04, 3859	2.20E-04	6.94E-08	2.94E-08	2.69E-04	8.50E-08	3.61E-08	2.36E-04	7.45E-08	3.16E-08
2766	490860.04, 3859	2.18E-04	6.89E-08	2.92E-08	2.67E-04	8.44E-08	3.58E-08	2.34E-04	7.40E-08	3.14E-08
2767	490360.04, 3859	2.22E-04	7.00E-08	2.97E-08	2.71E-04	8.57E-08	3.64E-08	2.38E-04	7.52E-08	3.19E-08
2768	490410.04, 3859	2.21E-04	6.97E-08	2.96E-08	2.71E-04	8.54E-08	3.62E-08	2.37E-04	7.49E-08	3.18E-08
2769	490460.04, 3859	2.20E-04	6.95E-08	2.95E-08	2.70E-04	8.51E-08	3.61E-08	2.37E-04	7.47E-08	3.17E-08
2770	490510.04, 3859	2.19E-04	6.92E-08	2.94E-08	2.69E-04	8.48E-08	3.60E-08	2.36E-04	7.44E-08	3.16E-08
2771	490560.04, 3859	2.18E-04	6.89E-08	2.92E-08	2.68E-04	8.44E-08	3.58E-08	2.35E-04	7.41E-08	3.14E-08
2772	490610.04, 3859	2.18E-04	6.86E-08	2.91E-08	2.66E-04	8.41E-08	3.57E-08	2.34E-04	7.38E-08	3.13E-08
2773	490660.04, 3859	2.16E-04	6.82E-08	2.89E-08	2.65E-04	8.36E-08	3.55E-08	2.32E-04	7.33E-08	3.11E-08
2774	490710.04, 3859	2.15E-04	6.78E-08	2.88E-08	2.63E-04	8.30E-08	3.52E-08	2.31E-04	7.28E-08	3.09E-08
2775	490760.04, 3859	2.13E-04	6.72E-08	2.85E-08	2.61E-04	8.23E-08	3.49E-08	2.29E-04	7.22E-08	3.06E-08
2776	490810.04, 3859	2.12E-04	6.70E-08	2.84E-08	2.60E-04	8.20E-08	3.48E-08	2.28E-04	7.19E-08	3.05E-08
2777	490860.04, 3859	2.12E-04	6.68E-08	2.84E-08	2.59E-04	8.19E-08	3.47E-08	2.27E-04	7.18E-08	3.05E-08
2778	490360.04, 3859	2.11E-04	6.68E-08	2.83E-08	2.59E-04	8.18E-08	3.47E-08	2.27E-04	7.17E-08	3.04E-08
2779	490410.04, 3859	2.11E-04	6.66E-08	2.83E-08	2.58E-04	8.16E-08	3.46E-08	2.27E-04	7.16E-08	3.04E-08
2780	490460.04, 3859	2.10E-04	6.64E-08	2.82E-08	2.58E-04	8.13E-08	3.45E-08	2.26E-04	7.14E-08	3.03E-08

2781	490510.04, 3859	2.10E-04	6.62E-08	2.81E-08	2.57E-04	8.11E-08	3.44E-08	2.25E-04	7.12E-08	3.02E-08
2782	490560.04, 3859	2.09E-04	6.60E-08	2.80E-08	2.56E-04	8.09E-08	3.43E-08	2.25E-04	7.10E-08	3.01E-08
2783	490610.04, 3859	2.09E-04	6.58E-08	2.79E-08	2.55E-04	8.06E-08	3.42E-08	2.24E-04	7.07E-08	3.00E-08
2784	490660.04, 3859	2.08E-04	6.56E-08	2.78E-08	2.54E-04	8.03E-08	3.41E-08	2.23E-04	7.04E-08	2.99E-08
2785	490710.04, 3859	2.07E-04	6.53E-08	2.77E-08	2.53E-04	8.00E-08	3.39E-08	2.22E-04	7.02E-08	2.98E-08
2786	490760.04, 3859	2.06E-04	6.50E-08	2.76E-08	2.52E-04	7.96E-08	3.38E-08	2.21E-04	6.98E-08	2.96E-08
2787	490810.04, 3859	2.05E-04	6.47E-08	2.75E-08	2.51E-04	7.93E-08	3.36E-08	2.20E-04	6.95E-08	2.95E-08
2788	490860.04, 3859	2.04E-04	6.45E-08	2.74E-08	2.50E-04	7.90E-08	3.35E-08	2.20E-04	6.93E-08	2.94E-08
2789	490360.04, 3859	2.02E-04	6.36E-08	2.70E-08	2.47E-04	7.79E-08	3.31E-08	2.17E-04	6.84E-08	2.90E-08
2790	490410.04, 3859	2.01E-04	6.36E-08	2.70E-08	2.47E-04	7.79E-08	3.30E-08	2.16E-04	6.83E-08	2.90E-08
2791	490460.04, 3859	2.01E-04	6.35E-08	2.69E-08	2.46E-04	7.78E-08	3.30E-08	2.16E-04	6.82E-08	2.89E-08
2792	490510.04, 3859	2.01E-04	6.34E-08	2.69E-08	2.46E-04	7.76E-08	3.29E-08	2.16E-04	6.81E-08	2.89E-08
2793	490560.04, 3859	2.00E-04	6.32E-08	2.68E-08	2.45E-04	7.75E-08	3.29E-08	2.15E-04	6.80E-08	2.88E-08
2794	490610.04, 3859	2.00E-04	6.31E-08	2.68E-08	2.45E-04	7.73E-08	3.28E-08	2.15E-04	6.78E-08	2.88E-08
2795	490660.04, 3859	1.99E-04	6.29E-08	2.67E-08	2.44E-04	7.71E-08	3.27E-08	2.14E-04	6.76E-08	2.87E-08
2796	490710.04, 3859	1.99E-04	6.28E-08	2.66E-08	2.44E-04	7.69E-08	3.26E-08	2.14E-04	6.74E-08	2.86E-08
2797	490760.04, 3859	1.98E-04	6.26E-08	2.65E-08	2.43E-04	7.66E-08	3.25E-08	2.13E-04	6.72E-08	2.85E-08
2798	490810.04, 3859	1.98E-04	6.24E-08	2.65E-08	2.42E-04	7.64E-08	3.24E-08	2.12E-04	6.70E-08	2.84E-08
2799	490860.04, 3859	1.97E-04	6.22E-08	2.64E-08	2.41E-04	7.62E-08	3.23E-08	2.12E-04	6.68E-08	2.83E-08
2800	490360.04, 3859	1.92E-04	6.07E-08	2.57E-08	2.35E-04	7.43E-08	3.15E-08	2.07E-04	6.52E-08	2.77E-08
2801	490410.04, 3859	1.92E-04	6.06E-08	2.57E-08	2.35E-04	7.43E-08	3.15E-08	2.06E-04	6.52E-08	2.76E-08
2802	490460.04, 3859	1.92E-04	6.06E-08	2.57E-08	2.35E-04	7.43E-08	3.15E-08	2.06E-04	6.51E-08	2.76E-08
2803	490510.04, 3859	1.92E-04	6.07E-08	2.57E-08	2.35E-04	7.43E-08	3.15E-08	2.07E-04	6.52E-08	2.77E-08
2804	490560.04, 3859	1.92E-04	6.06E-08	2.57E-08	2.35E-04	7.42E-08	3.15E-08	2.06E-04	6.51E-08	2.76E-08
2805	490610.04, 3859	1.92E-04	6.05E-08	2.57E-08	2.35E-04	7.41E-08	3.14E-08	2.06E-04	6.50E-08	2.76E-08
2806	490660.04, 3859	1.91E-04	6.04E-08	2.56E-08	2.34E-04	7.40E-08	3.14E-08	2.06E-04	6.49E-08	2.75E-08
2807	490710.04, 3859	1.91E-04	6.03E-08	2.56E-08	2.34E-04	7.39E-08	3.13E-08	2.05E-04	6.48E-08	2.75E-08
2808	490760.04, 3859	1.91E-04	6.02E-08	2.55E-08	2.33E-04	7.37E-08	3.13E-08	2.05E-04	6.46E-08	2.74E-08
2809	490810.04, 3859	1.90E-04	6.00E-08	2.55E-08	2.33E-04	7.35E-08	3.12E-08	2.04E-04	6.45E-08	2.73E-08
2810	490860.04, 3859	1.90E-04	5.98E-08	2.54E-08	2.32E-04	7.33E-08	3.11E-08	2.04E-04	6.43E-08	2.73E-08
2811	490187.25, 3859	2.21E-04	6.97E-08	2.96E-08	2.71E-04	8.54E-08	3.62E-08	2.37E-04	7.49E-08	3.18E-08
2812	490237.25, 3859	2.21E-04	6.96E-08	2.95E-08	2.70E-04	8.53E-08	3.62E-08	2.37E-04	7.48E-08	3.17E-08
2813	490287.25, 3859	2.20E-04	6.95E-08	2.95E-08	2.70E-04	8.51E-08	3.61E-08	2.37E-04	7.47E-08	3.17E-08
2814	490337.25, 3859	2.19E-04	6.93E-08	2.94E-08	2.69E-04	8.48E-08	3.60E-08	2.36E-04	7.44E-08	3.16E-08
2815	490187.25, 3859	2.10E-04	6.63E-08	2.81E-08	2.57E-04	8.12E-08	3.44E-08	2.26E-04	7.12E-08	3.02E-08
2816	490237.25, 3859	2.10E-04	6.62E-08	2.81E-08	2.57E-04	8.11E-08	3.44E-08	2.25E-04	7.11E-08	3.02E-08
2817	490287.25, 3859	2.10E-04	6.61E-08	2.81E-08	2.57E-04	8.10E-08	3.44E-08	2.25E-04	7.11E-08	3.02E-08
2818	490337.25, 3859	2.09E-04	6.60E-08	2.80E-08	2.56E-04	8.09E-08	3.43E-08	2.25E-04	7.10E-08	3.01E-08
2819	490297.07, 3859	2.04E-04	6.43E-08	2.73E-08	2.50E-04	7.88E-08	3.34E-08	2.19E-04	6.91E-08	2.93E-08
2820	490327.07, 3859	2.03E-04	6.42E-08	2.72E-08	2.49E-04	7.87E-08	3.34E-08	2.19E-04	6.90E-08	2.93E-08
2821	490297.07, 3859	1.98E-04	6.24E-08	2.65E-08	2.42E-04	7.65E-08	3.24E-08	2.13E-04	6.71E-08	2.85E-08
2822	490327.07, 3859	1.98E-04	6.24E-08	2.65E-08	2.42E-04	7.64E-08	3.24E-08	2.12E-04	6.71E-08	2.85E-08
2823	490319.73, 3859	3.18E-04	1.00E-07	4.26E-08	3.90E-04	1.23E-07	5.22E-08	3.42E-04	1.08E-07	4.58E-08
2824	490319.73, 3859	3.02E-04	9.54E-08	4.05E-08	3.70E-04	1.17E-07	4.96E-08	3.25E-04	1.03E-07	4.35E-08
2825	490069.73, 3859	3.00E-04	9.47E-08	4.02E-08	3.67E-04	1.16E-07	4.92E-08	3.22E-04	1.02E-07	4.32E-08
2826	490119.73, 3859	2.97E-04	9.38E-08	3.98E-08	3.64E-04	1.15E-07	4.88E-08	3.20E-04	1.01E-07	4.28E-08
2827	490269.73, 3859	2.90E-04	9.15E-08	3.88E-08	3.55E-04	1.12E-07	4.76E-08	3.12E-04	9.84E-08	4.17E-08
2828	490319.73, 3859	2.87E-04	9.06E-08	3.84E-08	3.52E-04	1.11E-07	4.71E-08	3.09E-04	9.74E-08	4.13E-08
2829	490069.73, 3859	2.83E-04	8.92E-08	3.79E-08	3.46E-04	1.09E-07	4.64E-08	3.04E-04	9.59E-08	4.07E-08
2830	490119.73, 3859	2.81E-04	8.86E-08	3.76E-08	3.44E-04	1.08E-07	4.60E-08	3.02E-04	9.52E-08	4.04E-08
2831	490169.73, 3859	2.79E-04	8.80E-08	3.73E-08	3.41E-04	1.08E-07	4.57E-08	3.00E-04	9.46E-08	4.01E-08
2832	490219.73, 3859	2.77E-04	8.73E-08	3.71E-08	3.39E-04	1.07E-07	4.54E-08	2.97E-04	9.39E-08	3.98E-08
2833	490269.73, 3859	2.74E-04	8.66E-08	3.67E-08	3.36E-04	1.06E-07	4.50E-08	2.95E-04	9.31E-08	3.95E-08
2834	490319.73, 3859	2.72E-04	8.59E-08	3.65E-08	3.34E-04	1.05E-07	4.47E-08	2.93E-04	9.24E-08	3.92E-08
2835	490069.73, 3859	2.67E-04	8.43E-08	3.58E-08	3.27E-04	1.03E-07	4.38E-08	2.87E-04	9.06E-08	3.84E-08
2836	490119.73, 3859	2.65E-04	8.37E-08	3.55E-08	3.25E-04	1.03E-07	4.35E-08	2.85E-04	9.00E-08	3.82E-08
2837	490169.73, 3859	2.64E-04	8.32E-08	3.53E-08	3.23E-04	1.02E-07	4.32E-08	2.83E-04	8.94E-08	3.79E-08
2838	490219.73, 3859	2.62E-04	8.27E-08	3.51E-08	3.21E-04	1.01E-07	4.30E-08	2.82E-04	8.89E-08	3.77E-08

2839	490269.73, 3859	2.60E-04	8.22E-08	3.49E-08	3.19E-04	1.01E-07	4.27E-08	2.80E-04	8.83E-08	3.75E-08
2840	490319.73, 3859	2.59E-04	8.16E-08	3.46E-08	3.17E-04	1.00E-07	4.24E-08	2.78E-04	8.78E-08	3.72E-08
2841	490069.73, 3859	2.53E-04	7.97E-08	3.38E-08	3.09E-04	9.77E-08	4.14E-08	2.72E-04	8.57E-08	3.64E-08
2842	490119.73, 3859	2.51E-04	7.93E-08	3.36E-08	3.08E-04	9.71E-08	4.12E-08	2.70E-04	8.52E-08	3.62E-08
2843	490169.73, 3859	2.50E-04	7.89E-08	3.35E-08	3.06E-04	9.66E-08	4.10E-08	2.69E-04	8.48E-08	3.60E-08
2844	490219.73, 3859	2.49E-04	7.85E-08	3.33E-08	3.05E-04	9.61E-08	4.08E-08	2.67E-04	8.43E-08	3.58E-08
2845	490269.73, 3859	2.47E-04	7.81E-08	3.31E-08	3.03E-04	9.56E-08	4.06E-08	2.66E-04	8.39E-08	3.56E-08
2846	490319.73, 3859	2.46E-04	7.76E-08	3.29E-08	3.01E-04	9.51E-08	4.03E-08	2.64E-04	8.34E-08	3.54E-08
2847	490069.73, 3859	2.39E-04	7.54E-08	3.20E-08	2.93E-04	9.24E-08	3.92E-08	2.57E-04	8.11E-08	3.44E-08
2848	490119.73, 3859	2.38E-04	7.51E-08	3.18E-08	2.91E-04	9.19E-08	3.90E-08	2.56E-04	8.07E-08	3.42E-08
2849	490169.73, 3859	2.37E-04	7.48E-08	3.17E-08	2.90E-04	9.16E-08	3.89E-08	2.55E-04	8.04E-08	3.41E-08
2850	490219.73, 3859	2.36E-04	7.45E-08	3.16E-08	2.89E-04	9.13E-08	3.87E-08	2.54E-04	8.01E-08	3.40E-08
2851	490269.73, 3859	2.35E-04	7.42E-08	3.15E-08	2.88E-04	9.09E-08	3.86E-08	2.53E-04	7.98E-08	3.39E-08
2852	490319.73, 3859	2.34E-04	7.39E-08	3.14E-08	2.87E-04	9.06E-08	3.84E-08	2.52E-04	7.95E-08	3.37E-08
2853	490069.73, 3859	2.26E-04	7.14E-08	3.03E-08	2.77E-04	8.74E-08	3.71E-08	2.43E-04	7.67E-08	3.26E-08
2854	490119.73, 3859	2.25E-04	7.12E-08	3.02E-08	2.76E-04	8.72E-08	3.70E-08	2.42E-04	7.65E-08	3.25E-08
2855	490169.73, 3859	2.25E-04	7.10E-08	3.01E-08	2.76E-04	8.70E-08	3.69E-08	2.42E-04	7.63E-08	3.24E-08
2856	490219.73, 3859	2.24E-04	7.08E-08	3.01E-08	2.75E-04	8.68E-08	3.68E-08	2.41E-04	7.62E-08	3.23E-08
2857	490269.73, 3859	2.24E-04	7.07E-08	3.00E-08	2.74E-04	8.66E-08	3.67E-08	2.41E-04	7.60E-08	3.22E-08
2858	490319.73, 3859	2.23E-04	7.05E-08	2.99E-08	2.73E-04	8.63E-08	3.66E-08	2.40E-04	7.57E-08	3.21E-08
2859	490161.89, 3859	1.96E-04	6.18E-08	2.62E-08	2.40E-04	7.57E-08	3.21E-08	2.11E-04	6.64E-08	2.82E-08
2860	490171.89, 3859	1.96E-04	6.18E-08	2.62E-08	2.40E-04	7.57E-08	3.21E-08	2.11E-04	6.64E-08	2.82E-08
2861	490161.89, 3859	1.94E-04	6.12E-08	2.60E-08	2.38E-04	7.50E-08	3.18E-08	2.08E-04	6.58E-08	2.79E-08
2862	490171.89, 3859	1.94E-04	6.12E-08	2.60E-08	2.38E-04	7.50E-08	3.18E-08	2.08E-04	6.58E-08	2.79E-08
2863	489799.72, 3859	2.45E-04	7.74E-08	3.28E-08	3.00E-04	9.48E-08	4.02E-08	2.64E-04	8.32E-08	3.53E-08
2864	489819.72, 3859	2.45E-04	7.73E-08	3.28E-08	3.00E-04	9.47E-08	4.02E-08	2.63E-04	8.31E-08	3.53E-08
2865	489799.72, 3859	2.39E-04	7.54E-08	3.20E-08	2.93E-04	9.24E-08	3.92E-08	2.57E-04	8.11E-08	3.44E-08
2866	489819.72, 3859	2.39E-04	7.54E-08	3.20E-08	2.93E-04	9.24E-08	3.92E-08	2.57E-04	8.11E-08	3.44E-08
2867	489775.41, 3859	2.51E-04	7.92E-08	3.36E-08	3.08E-04	9.71E-08	4.12E-08	2.70E-04	8.52E-08	3.62E-08
2868	489795.41, 3859	2.51E-04	7.92E-08	3.36E-08	3.07E-04	9.70E-08	4.11E-08	2.70E-04	8.51E-08	3.61E-08
2869	489775.41, 3859	2.45E-04	7.73E-08	3.28E-08	3.00E-04	9.46E-08	4.02E-08	2.63E-04	8.31E-08	3.52E-08
2870	489795.41, 3859	2.45E-04	7.72E-08	3.28E-08	3.00E-04	9.46E-08	4.01E-08	2.63E-04	8.30E-08	3.52E-08
2871	489595.05, 3859	2.97E-04	9.36E-08	3.97E-08	3.63E-04	1.15E-07	4.87E-08	3.19E-04	1.01E-07	4.27E-08
2872	489615.05, 3859	2.96E-04	9.35E-08	3.97E-08	3.63E-04	1.15E-07	4.86E-08	3.19E-04	1.01E-07	4.27E-08
2873	489595.05, 3859	2.87E-04	9.07E-08	3.85E-08	3.52E-04	1.11E-07	4.71E-08	3.09E-04	9.75E-08	4.14E-08
2874	489615.05, 3859	2.87E-04	9.06E-08	3.85E-08	3.52E-04	1.11E-07	4.71E-08	3.09E-04	9.75E-08	4.14E-08
2875	489372.4, 38590	3.87E-04	1.22E-07	5.18E-08	4.74E-04	1.50E-07	6.35E-08	4.16E-04	1.31E-07	5.58E-08
2876	489422.4, 38590	3.83E-04	1.21E-07	5.13E-08	4.69E-04	1.48E-07	6.28E-08	4.12E-04	1.30E-07	5.52E-08
2877	489372.4, 38591	3.46E-04	1.09E-07	4.63E-08	4.24E-04	1.34E-07	5.68E-08	3.72E-04	1.18E-07	4.99E-08
2878	489422.4, 38591	3.45E-04	1.09E-07	4.62E-08	4.23E-04	1.33E-07	5.66E-08	3.71E-04	1.17E-07	4.97E-08
2879	488870.84, 3858	1.49E-03	4.70E-07	1.99E-07	1.82E-03	5.76E-07	2.44E-07	1.61E-03	5.07E-07	2.15E-07
2880	488900.84, 3858	1.40E-03	4.41E-07	1.87E-07	1.71E-03	5.41E-07	2.29E-07	1.51E-03	4.76E-07	2.02E-07
2881	488870.84, 3858	1.61E-03	5.09E-07	2.16E-07	1.98E-03	6.24E-07	2.65E-07	1.74E-03	5.49E-07	2.33E-07
2882	488900.84, 3858	1.50E-03	4.74E-07	2.01E-07	1.84E-03	5.81E-07	2.46E-07	1.62E-03	5.12E-07	2.17E-07
2883	488889.67, 3858	1.49E-03	4.71E-07	2.00E-07	1.83E-03	5.77E-07	2.45E-07	1.61E-03	5.08E-07	2.15E-07
2884	488919.67, 3858	1.40E-03	4.42E-07	1.87E-07	1.72E-03	5.41E-07	2.30E-07	1.51E-03	4.77E-07	2.02E-07
2885	488889.67, 3858	1.62E-03	5.11E-07	2.17E-07	1.98E-03	6.26E-07	2.65E-07	1.75E-03	5.51E-07	2.34E-07
2886	488919.67, 3858	1.50E-03	4.75E-07	2.01E-07	1.84E-03	5.82E-07	2.47E-07	1.62E-03	5.12E-07	2.17E-07
2887	488906.61, 3858	1.51E-03	4.76E-07	2.02E-07	1.85E-03	5.83E-07	2.47E-07	1.63E-03	5.14E-07	2.18E-07
2888	488936.61, 3858	1.41E-03	4.46E-07	1.89E-07	1.73E-03	5.46E-07	2.32E-07	1.52E-03	4.81E-07	2.04E-07
2889	488906.61, 3858	1.64E-03	5.17E-07	2.19E-07	2.01E-03	6.33E-07	2.69E-07	1.77E-03	5.57E-07	2.37E-07
2890	488936.61, 3858	1.52E-03	4.79E-07	2.03E-07	1.86E-03	5.87E-07	2.49E-07	1.64E-03	5.17E-07	2.19E-07
2891	488637.63, 3858	1.48E-03	4.68E-07	1.99E-07	1.82E-03	5.74E-07	2.44E-07	1.60E-03	5.05E-07	2.14E-07
2892	488662.63, 3858	1.42E-03	4.48E-07	1.90E-07	1.74E-03	5.49E-07	2.33E-07	1.53E-03	4.84E-07	2.05E-07
2893	488637.63, 3858	1.57E-03	4.97E-07	2.11E-07	1.93E-03	6.08E-07	2.58E-07	1.70E-03	5.36E-07	2.27E-07
2894	488662.63, 3858	1.50E-03	4.73E-07	2.01E-07	1.84E-03	5.79E-07	2.46E-07	1.62E-03	5.10E-07	2.16E-07
2895	488687.63, 3858	1.43E-03	4.52E-07	1.92E-07	1.75E-03	5.54E-07	2.35E-07	1.54E-03	4.87E-07	2.07E-07
2896	488637.63, 3858	1.68E-03	5.31E-07	2.25E-07	2.06E-03	6.50E-07	2.76E-07	1.81E-03	5.73E-07	2.43E-07

2897	488662.63, 3858	1.59E-03	5.03E-07	2.13E-07	1.95E-03	6.16E-07	2.61E-07	1.72E-03	5.42E-07	2.30E-07
2898	488687.63, 3858	1.51E-03	4.78E-07	2.03E-07	1.85E-03	5.85E-07	2.48E-07	1.63E-03	5.15E-07	2.19E-07
2899	488194.42, 3857	1.70E-03	5.38E-07	2.28E-07	2.09E-03	6.59E-07	2.80E-07	1.81E-03	5.72E-07	2.43E-07
2900	488244.42, 3857	1.64E-03	5.19E-07	2.20E-07	2.01E-03	6.35E-07	2.69E-07	1.75E-03	5.52E-07	2.34E-07
2901	488294.42, 3857	1.59E-03	5.01E-07	2.13E-07	1.95E-03	6.14E-07	2.61E-07	1.69E-03	5.34E-07	2.27E-07
2902	488244.42, 3857	1.67E-03	5.26E-07	2.23E-07	2.04E-03	6.45E-07	2.74E-07	1.77E-03	5.60E-07	2.38E-07
2903	488294.42, 3857	1.61E-03	5.08E-07	2.16E-07	1.97E-03	6.22E-07	2.64E-07	1.71E-03	5.41E-07	2.29E-07
2904	488294.42, 3857	1.63E-03	5.14E-07	2.18E-07	1.99E-03	6.29E-07	2.67E-07	1.73E-03	5.47E-07	2.32E-07
2905	488139.13, 3857	1.74E-03	5.49E-07	2.33E-07	2.13E-03	6.72E-07	2.85E-07	1.85E-03	5.84E-07	2.48E-07
2906	488189.13, 3857	1.68E-03	5.29E-07	2.24E-07	2.05E-03	6.48E-07	2.75E-07	1.79E-03	5.64E-07	2.39E-07
2907	488189.13, 3857	1.71E-03	5.39E-07	2.29E-07	2.09E-03	6.60E-07	2.80E-07	1.82E-03	5.73E-07	2.43E-07
2908	487951.04, 3856	1.88E-03	5.93E-07	2.52E-07	2.30E-03	7.26E-07	3.08E-07	2.01E-03	6.35E-07	2.69E-07
2909	488001.04, 3856	1.81E-03	5.73E-07	2.43E-07	2.22E-03	7.01E-07	2.98E-07	1.94E-03	6.13E-07	2.60E-07
2910	488051.04, 3856	1.76E-03	5.55E-07	2.35E-07	2.15E-03	6.79E-07	2.88E-07	1.88E-03	5.93E-07	2.52E-07
2911	488101.04, 3856	1.70E-03	5.35E-07	2.27E-07	2.08E-03	6.55E-07	2.78E-07	1.81E-03	5.72E-07	2.43E-07
2912	487951.04, 3857	1.91E-03	6.02E-07	2.55E-07	2.34E-03	7.37E-07	3.13E-07	2.04E-03	6.43E-07	2.73E-07
2913	488001.04, 3857	1.85E-03	5.83E-07	2.47E-07	2.26E-03	7.13E-07	3.03E-07	1.97E-03	6.22E-07	2.64E-07
2914	488051.04, 3857	1.79E-03	5.64E-07	2.39E-07	2.19E-03	6.90E-07	2.93E-07	1.91E-03	6.02E-07	2.56E-07
2915	488101.04, 3857	1.72E-03	5.44E-07	2.31E-07	2.11E-03	6.66E-07	2.82E-07	1.84E-03	5.81E-07	2.46E-07
2916	488001.04, 3857	1.88E-03	5.93E-07	2.51E-07	2.30E-03	7.26E-07	3.08E-07	2.00E-03	6.32E-07	2.68E-07
2917	488051.04, 3857	1.81E-03	5.72E-07	2.43E-07	2.22E-03	7.01E-07	2.97E-07	1.93E-03	6.10E-07	2.59E-07
2918	488101.04, 3857	1.75E-03	5.53E-07	2.34E-07	2.14E-03	6.77E-07	2.87E-07	1.87E-03	5.89E-07	2.50E-07
2919	487638.98, 3856	2.10E-03	6.64E-07	2.82E-07	2.58E-03	8.13E-07	3.45E-07	2.27E-03	7.15E-07	3.03E-07
2920	487688.98, 3856	2.03E-03	6.39E-07	2.71E-07	2.48E-03	7.83E-07	3.32E-07	2.18E-03	6.89E-07	2.92E-07
2921	487638.98, 3856	2.17E-03	6.85E-07	2.90E-07	2.66E-03	8.38E-07	3.56E-07	2.34E-03	7.37E-07	3.13E-07
2922	487688.98, 3856	2.09E-03	6.58E-07	2.79E-07	2.55E-03	8.06E-07	3.42E-07	2.25E-03	7.09E-07	3.01E-07
2923	486324.61, 3855	2.25E-03	7.10E-07	3.01E-07	2.76E-03	8.70E-07	3.69E-07	2.42E-03	7.65E-07	3.25E-07
2924	486374.61, 3855	2.10E-03	6.63E-07	2.81E-07	2.57E-03	8.12E-07	3.45E-07	2.26E-03	7.15E-07	3.03E-07
2925	486424.61, 3855	2.01E-03	6.34E-07	2.69E-07	2.46E-03	7.77E-07	3.30E-07	2.17E-03	6.83E-07	2.90E-07
2926	486324.61, 3855	2.36E-03	7.46E-07	3.17E-07	2.90E-03	9.14E-07	3.88E-07	2.55E-03	8.05E-07	3.41E-07
2927	486374.61, 3855	2.21E-03	6.98E-07	2.96E-07	2.71E-03	8.55E-07	3.63E-07	2.38E-03	7.53E-07	3.19E-07
2928	486424.61, 3855	2.13E-03	6.73E-07	2.85E-07	2.61E-03	8.24E-07	3.50E-07	2.30E-03	7.25E-07	3.08E-07
2929	486324.61, 3855	2.49E-03	7.86E-07	3.33E-07	3.05E-03	9.62E-07	4.08E-07	2.68E-03	8.47E-07	3.59E-07
2930	486374.61, 3855	2.38E-03	7.51E-07	3.19E-07	2.91E-03	9.20E-07	3.90E-07	2.57E-03	8.10E-07	3.44E-07
2931	486424.61, 3855	2.27E-03	7.15E-07	3.03E-07	2.77E-03	8.76E-07	3.72E-07	2.44E-03	7.71E-07	3.27E-07
2932	486324.61, 3855	2.69E-03	8.49E-07	3.60E-07	3.30E-03	1.04E-06	4.41E-07	2.90E-03	9.16E-07	3.89E-07
2933	486374.61, 3855	2.56E-03	8.07E-07	3.42E-07	3.13E-03	9.88E-07	4.19E-07	2.76E-03	8.70E-07	3.69E-07
2934	486424.61, 3855	2.42E-03	7.64E-07	3.24E-07	2.96E-03	9.35E-07	3.97E-07	2.61E-03	8.24E-07	3.49E-07
2935	488735.69, 3858	1.06E-03	3.33E-07	1.41E-07	1.29E-03	4.08E-07	1.73E-07	1.14E-03	3.59E-07	1.52E-07
2936	488765.69, 3858	1.03E-03	3.25E-07	1.38E-07	1.26E-03	3.98E-07	1.69E-07	1.11E-03	3.50E-07	1.48E-07
2937	488735.69, 3858	1.08E-03	3.39E-07	1.44E-07	1.32E-03	4.16E-07	1.76E-07	1.16E-03	3.65E-07	1.55E-07
2938	488765.69, 3858	1.05E-03	3.31E-07	1.40E-07	1.28E-03	4.05E-07	1.72E-07	1.13E-03	3.56E-07	1.51E-07
2939	478676.63, 3849	2.61E-05	8.24E-09	3.50E-09	3.20E-05	1.01E-08	4.28E-09	2.81E-05	8.86E-09	3.76E-09
2940	479326.63, 3849	3.21E-05	1.01E-08	4.30E-09	3.94E-05	1.24E-08	5.27E-09	3.45E-05	1.09E-08	4.62E-09
2941	479376.63, 3849	3.24E-05	1.02E-08	4.34E-09	3.97E-05	1.25E-08	5.32E-09	3.48E-05	1.10E-08	4.67E-09
2942	479426.63, 3849	3.28E-05	1.04E-08	4.39E-09	4.02E-05	1.27E-08	5.38E-09	3.52E-05	1.11E-08	4.72E-09
2943	478726.63, 3849	2.66E-05	8.39E-09	3.56E-09	3.26E-05	1.03E-08	4.36E-09	2.86E-05	9.02E-09	3.83E-09
2944	478776.63, 3849	2.71E-05	8.54E-09	3.62E-09	3.32E-05	1.05E-08	4.44E-09	2.91E-05	9.18E-09	3.89E-09
2945	478826.63, 3849	2.75E-05	8.69E-09	3.69E-09	3.37E-05	1.07E-08	4.52E-09	2.96E-05	9.34E-09	3.96E-09
2946	478976.63, 3849	2.90E-05	9.16E-09	3.89E-09	3.56E-05	1.12E-08	4.76E-09	3.12E-05	9.85E-09	4.18E-09
2947	479026.63, 3849	2.97E-05	9.38E-09	3.98E-09	3.64E-05	1.15E-08	4.88E-09	3.19E-05	1.01E-08	4.28E-09
2948	479076.63, 3849	3.03E-05	9.56E-09	4.06E-09	3.71E-05	1.17E-08	4.97E-09	3.25E-05	1.03E-08	4.36E-09
2949	479126.63, 3849	3.08E-05	9.73E-09	4.13E-09	3.77E-05	1.19E-08	5.06E-09	3.31E-05	1.04E-08	4.43E-09
2950	479176.63, 3849	3.14E-05	9.91E-09	4.21E-09	3.85E-05	1.21E-08	5.15E-09	3.37E-05	1.07E-08	4.52E-09
2951	479226.63, 3849	3.17E-05	1.00E-08	4.25E-09	3.89E-05	1.23E-08	5.20E-09	3.41E-05	1.08E-08	4.56E-09
2952	479276.63, 3849	3.17E-05	1.00E-08	4.25E-09	3.89E-05	1.23E-08	5.21E-09	3.41E-05	1.08E-08	4.57E-09
2953	479326.63, 3849	3.27E-05	1.03E-08	4.38E-09	4.01E-05	1.26E-08	5.36E-09	3.51E-05	1.11E-08	4.70E-09
2954	479376.63, 3849	3.27E-05	1.03E-08	4.37E-09	4.00E-05	1.26E-08	5.36E-09	3.51E-05	1.11E-08	4.70E-09

2955	479426.63, 3849	3.33E-05	1.05E-08	4.46E-09	4.08E-05	1.29E-08	5.47E-09	3.58E-05	1.13E-08	4.80E-09
2956	478726.63, 3849	2.66E-05	8.39E-09	3.56E-09	3.26E-05	1.03E-08	4.36E-09	2.86E-05	9.01E-09	3.82E-09
2957	478776.63, 3849	2.70E-05	8.53E-09	3.62E-09	3.31E-05	1.05E-08	4.43E-09	2.91E-05	9.17E-09	3.89E-09
2958	478826.63, 3849	2.75E-05	8.68E-09	3.68E-09	3.37E-05	1.06E-08	4.51E-09	2.95E-05	9.33E-09	3.96E-09
2959	478976.63, 3849	2.92E-05	9.22E-09	3.91E-09	3.58E-05	1.13E-08	4.79E-09	3.14E-05	9.91E-09	4.20E-09
2960	479026.63, 3849	2.97E-05	9.38E-09	3.98E-09	3.64E-05	1.15E-08	4.87E-09	3.19E-05	1.01E-08	4.28E-09
2961	479076.63, 3849	3.02E-05	9.54E-09	4.05E-09	3.70E-05	1.17E-08	4.96E-09	3.25E-05	1.02E-08	4.35E-09
2962	479126.63, 3849	3.08E-05	9.72E-09	4.12E-09	3.77E-05	1.19E-08	5.05E-09	3.31E-05	1.04E-08	4.43E-09
2963	479176.63, 3849	3.14E-05	9.90E-09	4.20E-09	3.84E-05	1.21E-08	5.14E-09	3.37E-05	1.06E-08	4.51E-09
2964	479226.63, 3849	3.13E-05	9.87E-09	4.19E-09	3.83E-05	1.21E-08	5.13E-09	3.36E-05	1.06E-08	4.50E-09
2965	479276.63, 3849	3.22E-05	1.02E-08	4.32E-09	3.95E-05	1.25E-08	5.29E-09	3.46E-05	1.09E-08	4.64E-09
2966	479326.63, 3849	3.30E-05	1.04E-08	4.42E-09	4.04E-05	1.28E-08	5.41E-09	3.54E-05	1.12E-08	4.75E-09
2967	479376.63, 3849	3.30E-05	1.04E-08	4.42E-09	4.05E-05	1.28E-08	5.42E-09	3.55E-05	1.12E-08	4.75E-09
2968	479426.63, 3849	3.36E-05	1.06E-08	4.50E-09	4.11E-05	1.30E-08	5.51E-09	3.61E-05	1.14E-08	4.83E-09
2969	478726.63, 3850	2.66E-05	8.39E-09	3.56E-09	3.26E-05	1.03E-08	4.36E-09	2.86E-05	9.02E-09	3.83E-09
2970	478776.63, 3850	2.70E-05	8.52E-09	3.62E-09	3.31E-05	1.04E-08	4.43E-09	2.90E-05	9.16E-09	3.89E-09
2971	478826.63, 3850	2.75E-05	8.67E-09	3.68E-09	3.37E-05	1.06E-08	4.51E-09	2.95E-05	9.32E-09	3.95E-09
2972	478976.63, 3850	2.92E-05	9.20E-09	3.90E-09	3.57E-05	1.13E-08	4.78E-09	3.13E-05	9.89E-09	4.20E-09
2973	478726.63, 3850	2.66E-05	8.41E-09	3.57E-09	3.26E-05	1.03E-08	4.37E-09	2.86E-05	9.04E-09	3.83E-09
2974	478776.63, 3850	2.71E-05	8.54E-09	3.62E-09	3.31E-05	1.05E-08	4.44E-09	2.91E-05	9.18E-09	3.89E-09
2975	478826.63, 3850	2.75E-05	8.68E-09	3.68E-09	3.37E-05	1.06E-08	4.51E-09	2.96E-05	9.33E-09	3.96E-09
2976	478876.63, 3850	2.80E-05	8.84E-09	3.75E-09	3.43E-05	1.08E-08	4.59E-09	3.01E-05	9.50E-09	4.03E-09
2977	478976.63, 3850	2.91E-05	9.20E-09	3.90E-09	3.57E-05	1.13E-08	4.78E-09	3.13E-05	9.88E-09	4.19E-09
2978	478726.63, 3850	2.67E-05	8.44E-09	3.58E-09	3.28E-05	1.03E-08	4.39E-09	2.87E-05	9.07E-09	3.85E-09
2979	478776.63, 3850	2.72E-05	8.58E-09	3.64E-09	3.33E-05	1.05E-08	4.46E-09	2.92E-05	9.22E-09	3.91E-09
2980	478826.63, 3850	2.76E-05	8.71E-09	3.70E-09	3.38E-05	1.07E-08	4.53E-09	2.97E-05	9.36E-09	3.97E-09
2981	478876.63, 3850	2.80E-05	8.85E-09	3.75E-09	3.43E-05	1.08E-08	4.60E-09	3.01E-05	9.51E-09	4.03E-09
2982	478976.63, 3850	2.92E-05	9.20E-09	3.90E-09	3.57E-05	1.13E-08	4.78E-09	3.13E-05	9.89E-09	4.20E-09
2983	479026.63, 3850	2.97E-05	9.38E-09	3.98E-09	3.64E-05	1.15E-08	4.87E-09	3.19E-05	1.01E-08	4.28E-09
2984	479076.63, 3850	3.02E-05	9.54E-09	4.05E-09	3.70E-05	1.17E-08	4.96E-09	3.25E-05	1.03E-08	4.35E-09
2985	479126.63, 3850	3.08E-05	9.71E-09	4.12E-09	3.77E-05	1.19E-08	5.05E-09	3.31E-05	1.04E-08	4.43E-09
2986	478776.63, 3850	2.73E-05	8.60E-09	3.65E-09	3.34E-05	1.05E-08	4.47E-09	2.93E-05	9.24E-09	3.92E-09
2987	478826.63, 3850	2.76E-05	8.73E-09	3.70E-09	3.39E-05	1.07E-08	4.54E-09	2.97E-05	9.38E-09	3.98E-09
2988	478876.63, 3850	2.81E-05	8.86E-09	3.76E-09	3.44E-05	1.09E-08	4.61E-09	3.02E-05	9.52E-09	4.04E-09
2989	478976.63, 3850	2.92E-05	9.20E-09	3.91E-09	3.57E-05	1.13E-08	4.78E-09	3.13E-05	9.89E-09	4.20E-09
2990	479026.63, 3850	2.97E-05	9.39E-09	3.98E-09	3.64E-05	1.15E-08	4.88E-09	3.20E-05	1.01E-08	4.28E-09
2991	479076.63, 3850	3.03E-05	9.55E-09	4.05E-09	3.71E-05	1.17E-08	4.96E-09	3.25E-05	1.03E-08	4.35E-09
2992	479126.63, 3850	3.08E-05	9.72E-09	4.12E-09	3.77E-05	1.19E-08	5.05E-09	3.31E-05	1.04E-08	4.43E-09
2993	479176.63, 3850	3.14E-05	9.91E-09	4.21E-09	3.85E-05	1.21E-08	5.15E-09	3.37E-05	1.07E-08	4.52E-09
2994	479226.63, 3850	3.22E-05	1.02E-08	4.31E-09	3.94E-05	1.24E-08	5.28E-09	3.46E-05	1.09E-08	4.63E-09
2995	479276.63, 3850	3.29E-05	1.04E-08	4.41E-09	4.03E-05	1.27E-08	5.40E-09	3.54E-05	1.12E-08	4.74E-09
2996	479326.63, 3850	3.34E-05	1.05E-08	4.48E-09	4.09E-05	1.29E-08	5.48E-09	3.59E-05	1.13E-08	4.81E-09
2997	479376.63, 3850	3.39E-05	1.07E-08	4.54E-09	4.15E-05	1.31E-08	5.56E-09	3.64E-05	1.15E-08	4.88E-09
2998	478676.63, 3850	2.66E-05	8.39E-09	3.56E-09	3.25E-05	1.03E-08	4.36E-09	2.86E-05	9.01E-09	3.82E-09
2999	478726.63, 3850	2.70E-05	8.51E-09	3.61E-09	3.30E-05	1.04E-08	4.42E-09	2.90E-05	9.15E-09	3.88E-09
3000	478976.63, 3850	2.92E-05	9.22E-09	3.91E-09	3.58E-05	1.13E-08	4.79E-09	3.14E-05	9.91E-09	4.20E-09
3001	479026.63, 3850	2.98E-05	9.39E-09	3.99E-09	3.65E-05	1.15E-08	4.88E-09	3.20E-05	1.01E-08	4.28E-09
3002	479076.63, 3850	3.03E-05	9.56E-09	4.05E-09	3.71E-05	1.17E-08	4.97E-09	3.25E-05	1.03E-08	4.36E-09
3003	479126.63, 3850	3.08E-05	9.73E-09	4.13E-09	3.78E-05	1.19E-08	5.06E-09	3.31E-05	1.05E-08	4.44E-09
3004	479176.63, 3850	3.15E-05	9.94E-09	4.22E-09	3.86E-05	1.22E-08	5.17E-09	3.39E-05	1.07E-08	4.53E-09
3005	479226.63, 3850	3.22E-05	1.02E-08	4.31E-09	3.94E-05	1.24E-08	5.28E-09	3.46E-05	1.09E-08	4.63E-09
3006	479276.63, 3850	3.29E-05	1.04E-08	4.40E-09	4.03E-05	1.27E-08	5.39E-09	3.53E-05	1.11E-08	4.73E-09
3007	479326.63, 3850	3.34E-05	1.05E-08	4.47E-09	4.09E-05	1.29E-08	5.47E-09	3.59E-05	1.13E-08	4.80E-09
3008	479376.63, 3850	3.39E-05	1.07E-08	4.54E-09	4.16E-05	1.31E-08	5.57E-09	3.65E-05	1.15E-08	4.88E-09
3009	478676.63, 3850	2.68E-05	8.45E-09	3.59E-09	3.28E-05	1.04E-08	4.39E-09	2.88E-05	9.08E-09	3.85E-09
3010	478726.63, 3850	2.71E-05	8.57E-09	3.64E-09	3.33E-05	1.05E-08	4.45E-09	2.92E-05	9.21E-09	3.91E-09
3011	478976.63, 3850	2.92E-05	9.23E-09	3.92E-09	3.58E-05	1.13E-08	4.80E-09	3.14E-05	9.92E-09	4.21E-09
3012	479026.63, 3850	2.98E-05	9.40E-09	3.99E-09	3.65E-05	1.15E-08	4.89E-09	3.20E-05	1.01E-08	4.29E-09

3013	479076.63, 3850	3.03E-05	9.57E-09	4.06E-09	3.71E-05	1.17E-08	4.97E-09	3.26E-05	1.03E-08	4.36E-09
3014	479126.63, 3850	3.09E-05	9.75E-09	4.14E-09	3.78E-05	1.19E-08	5.07E-09	3.32E-05	1.05E-08	4.44E-09
3015	479176.63, 3850	3.15E-05	9.94E-09	4.22E-09	3.86E-05	1.22E-08	5.17E-09	3.38E-05	1.07E-08	4.53E-09
3016	479226.63, 3850	3.21E-05	1.01E-08	4.30E-09	3.94E-05	1.24E-08	5.27E-09	3.45E-05	1.09E-08	4.63E-09
3017	479276.63, 3850	3.28E-05	1.03E-08	4.39E-09	4.01E-05	1.27E-08	5.37E-09	3.52E-05	1.11E-08	4.71E-09
3018	479326.63, 3850	3.33E-05	1.05E-08	4.46E-09	4.08E-05	1.29E-08	5.47E-09	3.58E-05	1.13E-08	4.79E-09
3019	479376.63, 3850	3.38E-05	1.07E-08	4.53E-09	4.14E-05	1.31E-08	5.55E-09	3.63E-05	1.15E-08	4.87E-09
3020	479053.24, 3850	3.01E-05	9.50E-09	4.03E-09	3.69E-05	1.16E-08	4.94E-09	3.24E-05	1.02E-08	4.33E-09
3021	479103.24, 3850	3.07E-05	9.68E-09	4.11E-09	3.76E-05	1.19E-08	5.03E-09	3.29E-05	1.04E-08	4.41E-09
3022	479153.24, 3850	3.12E-05	9.85E-09	4.18E-09	3.82E-05	1.21E-08	5.12E-09	3.35E-05	1.06E-08	4.49E-09
3023	479203.24, 3850	3.18E-05	1.01E-08	4.26E-09	3.90E-05	1.23E-08	5.22E-09	3.42E-05	1.08E-08	4.58E-09
3024	479253.24, 3850	3.25E-05	1.03E-08	4.35E-09	3.98E-05	1.26E-08	5.33E-09	3.49E-05	1.10E-08	4.67E-09
3025	479303.24, 3850	3.30E-05	1.04E-08	4.42E-09	4.04E-05	1.28E-08	5.42E-09	3.55E-05	1.12E-08	4.75E-09
3026	479353.24, 3850	3.36E-05	1.06E-08	4.49E-09	4.11E-05	1.30E-08	5.50E-09	3.61E-05	1.14E-08	4.83E-09
3027	479153.24, 3850	3.13E-05	9.86E-09	4.19E-09	3.83E-05	1.21E-08	5.13E-09	3.36E-05	1.06E-08	4.50E-09
3028	479203.24, 3850	3.18E-05	1.01E-08	4.26E-09	3.90E-05	1.23E-08	5.22E-09	3.42E-05	1.08E-08	4.58E-09
3029	479253.24, 3850	3.24E-05	1.02E-08	4.34E-09	3.97E-05	1.25E-08	5.31E-09	3.48E-05	1.10E-08	4.66E-09
3030	479303.24, 3850	3.29E-05	1.04E-08	4.41E-09	4.03E-05	1.27E-08	5.40E-09	3.54E-05	1.12E-08	4.74E-09
3031	479353.24, 3850	3.34E-05	1.06E-08	4.48E-09	4.10E-05	1.29E-08	5.49E-09	3.59E-05	1.13E-08	4.81E-09
3032	479203.24, 3850	3.18E-05	1.00E-08	4.26E-09	3.89E-05	1.23E-08	5.21E-09	3.42E-05	1.08E-08	4.57E-09
3033	479253.24, 3850	3.23E-05	1.02E-08	4.33E-09	3.96E-05	1.25E-08	5.30E-09	3.47E-05	1.10E-08	4.65E-09
3034	479303.24, 3850	3.29E-05	1.04E-08	4.40E-09	4.03E-05	1.27E-08	5.39E-09	3.53E-05	1.11E-08	4.73E-09
3035	479353.24, 3850	3.34E-05	1.05E-08	4.47E-09	4.09E-05	1.29E-08	5.48E-09	3.59E-05	1.13E-08	4.81E-09
3036	479403.24, 3850	3.39E-05	1.07E-08	4.54E-09	4.16E-05	1.31E-08	5.57E-09	3.65E-05	1.15E-08	4.88E-09
3037	479453.24, 3850	3.45E-05	1.09E-08	4.61E-09	4.22E-05	1.33E-08	5.65E-09	3.70E-05	1.17E-08	4.96E-09
3038	479503.24, 3850	3.49E-05	1.10E-08	4.68E-09	4.28E-05	1.35E-08	5.73E-09	3.75E-05	1.18E-08	5.03E-09
3039	479303.24, 3850	3.28E-05	1.03E-08	4.39E-09	4.01E-05	1.27E-08	5.37E-09	3.52E-05	1.11E-08	4.72E-09
3040	479353.24, 3850	3.33E-05	1.05E-08	4.46E-09	4.08E-05	1.29E-08	5.46E-09	3.58E-05	1.13E-08	4.79E-09
3041	479403.24, 3850	3.38E-05	1.07E-08	4.52E-09	4.14E-05	1.31E-08	5.54E-09	3.63E-05	1.15E-08	4.86E-09
3042	479453.24, 3850	3.43E-05	1.08E-08	4.59E-09	4.20E-05	1.33E-08	5.63E-09	3.69E-05	1.16E-08	4.93E-09
3043	479503.24, 3850	3.48E-05	1.10E-08	4.66E-09	4.26E-05	1.34E-08	5.71E-09	3.74E-05	1.18E-08	5.00E-09
3044	480327.18, 3850	4.60E-05	1.45E-08	6.15E-09	5.63E-05	1.78E-08	7.54E-09	4.94E-05	1.56E-08	6.61E-09
3045	480377.18, 3850	4.66E-05	1.47E-08	6.24E-09	5.71E-05	1.80E-08	7.64E-09	5.00E-05	1.58E-08	6.70E-09
3046	480427.18, 3850	4.72E-05	1.49E-08	6.32E-09	5.78E-05	1.82E-08	7.74E-09	5.07E-05	1.60E-08	6.79E-09
3047	480477.18, 3850	4.77E-05	1.51E-08	6.39E-09	5.84E-05	1.84E-08	7.82E-09	5.12E-05	1.62E-08	6.86E-09
3048	480327.18, 3851	4.60E-05	1.45E-08	6.16E-09	5.64E-05	1.78E-08	7.55E-09	4.94E-05	1.56E-08	6.62E-09
3049	480377.18, 3851	4.67E-05	1.47E-08	6.25E-09	5.72E-05	1.81E-08	7.66E-09	5.02E-05	1.58E-08	6.72E-09
3050	480427.18, 3851	4.74E-05	1.49E-08	6.34E-09	5.80E-05	1.83E-08	7.77E-09	5.09E-05	1.61E-08	6.81E-09
3051	480477.18, 3851	4.80E-05	1.51E-08	6.42E-09	5.88E-05	1.85E-08	7.87E-09	5.15E-05	1.63E-08	6.90E-09
3052	480622.06, 3851	4.98E-05	1.57E-08	6.67E-09	6.10E-05	1.93E-08	8.17E-09	5.35E-05	1.69E-08	7.17E-09
3053	480672.06, 3851	5.03E-05	1.59E-08	6.73E-09	6.16E-05	1.94E-08	8.25E-09	5.40E-05	1.71E-08	7.23E-09
3054	480622.06, 3851	5.02E-05	1.58E-08	6.72E-09	6.15E-05	1.94E-08	8.23E-09	5.39E-05	1.70E-08	7.22E-09
3055	480672.06, 3851	5.07E-05	1.60E-08	6.79E-09	6.21E-05	1.96E-08	8.32E-09	5.45E-05	1.72E-08	7.29E-09
3056	480722.06, 3851	5.12E-05	1.62E-08	6.85E-09	6.27E-05	1.98E-08	8.40E-09	5.50E-05	1.74E-08	7.36E-09
3057	480622.06, 3851	5.04E-05	1.59E-08	6.75E-09	6.18E-05	1.95E-08	8.27E-09	5.42E-05	1.71E-08	7.26E-09
3058	480672.06, 3851	5.10E-05	1.61E-08	6.84E-09	6.25E-05	1.97E-08	8.37E-09	5.48E-05	1.73E-08	7.34E-09
3059	480722.06, 3851	5.16E-05	1.63E-08	6.91E-09	6.32E-05	1.99E-08	8.46E-09	5.54E-05	1.75E-08	7.42E-09
3060	471363.09, 3845	7.13E-06	2.25E-09	9.54E-10	8.73E-06	2.76E-09	1.17E-09	7.65E-06	2.42E-09	1.02E-09
3061	471863.09, 3845	6.83E-06	2.16E-09	9.15E-10	8.37E-06	2.64E-09	1.12E-09	7.34E-06	2.32E-09	9.82E-10
3062	472363.09, 3845	7.44E-06	2.35E-09	9.96E-10	9.11E-06	2.88E-09	1.22E-09	7.99E-06	2.52E-09	1.07E-09
3063	472863.09, 3845	6.26E-06	1.98E-09	8.38E-10	7.67E-06	2.42E-09	1.03E-09	6.72E-06	2.12E-09	9.00E-10
3064	473363.09, 3845	6.12E-06	1.93E-09	8.19E-10	7.49E-06	2.36E-09	1.00E-09	6.57E-06	2.07E-09	8.80E-10
3065	473863.09, 3845	6.42E-06	2.02E-09	8.59E-10	7.86E-06	2.48E-09	1.05E-09	6.89E-06	2.17E-09	9.23E-10
3066	474363.09, 3845	7.59E-06	2.40E-09	1.02E-09	9.30E-06	2.94E-09	1.25E-09	8.16E-06	2.57E-09	1.09E-09
3067	474863.09, 3845	9.63E-06	3.04E-09	1.29E-09	1.18E-05	3.72E-09	1.58E-09	1.03E-05	3.26E-09	1.38E-09
3068	475363.09, 3845	1.22E-05	3.84E-09	1.63E-09	1.49E-05	4.71E-09	2.00E-09	1.31E-05	4.13E-09	1.75E-09
3069	475863.09, 3845	1.27E-05	4.00E-09	1.70E-09	1.55E-05	4.90E-09	2.08E-09	1.36E-05	4.30E-09	1.82E-09
3070	476363.09, 3845	1.17E-05	3.71E-09	1.57E-09	1.44E-05	4.54E-09	1.93E-09	1.26E-05	3.98E-09	1.69E-09

3071	476863.09, 3845	1.06E-05	3.34E-09	1.42E-09	1.30E-05	4.09E-09	1.74E-09	1.14E-05	3.59E-09	1.52E-09
3072	477363.09, 3845	8.88E-06	2.80E-09	1.19E-09	1.09E-05	3.43E-09	1.46E-09	9.54E-06	3.01E-09	1.28E-09
3073	477863.09, 3845	7.72E-06	2.44E-09	1.03E-09	9.46E-06	2.99E-09	1.27E-09	8.29E-06	2.62E-09	1.11E-09
3074	478363.09, 3845	7.44E-06	2.35E-09	9.96E-10	9.11E-06	2.88E-09	1.22E-09	8.00E-06	2.52E-09	1.07E-09
3075	478863.09, 3845	7.13E-06	2.25E-09	9.55E-10	8.74E-06	2.76E-09	1.17E-09	7.66E-06	2.42E-09	1.03E-09
3076	479363.09, 3845	6.87E-06	2.17E-09	9.20E-10	8.41E-06	2.66E-09	1.13E-09	7.38E-06	2.33E-09	9.88E-10
3077	479863.09, 3845	6.64E-06	2.10E-09	8.89E-10	8.13E-06	2.57E-09	1.09E-09	7.13E-06	2.25E-09	9.55E-10
3078	480363.09, 3845	5.60E-06	1.77E-09	7.50E-10	6.86E-06	2.17E-09	9.19E-10	6.02E-06	1.90E-09	8.06E-10
3079	480863.09, 3845	5.06E-06	1.60E-09	6.78E-10	6.20E-06	1.96E-09	8.30E-10	5.44E-06	1.72E-09	7.28E-10
3080	481363.09, 3845	4.67E-06	1.48E-09	6.26E-10	5.73E-06	1.81E-09	7.67E-10	5.02E-06	1.58E-09	6.72E-10
3081	481863.09, 3845	4.19E-06	1.32E-09	5.61E-10	5.13E-06	1.62E-09	6.87E-10	4.50E-06	1.42E-09	6.02E-10
3082	482363.09, 3845	3.76E-06	1.19E-09	5.04E-10	4.61E-06	1.46E-09	6.17E-10	4.05E-06	1.28E-09	5.42E-10
3083	482863.09, 3845	3.05E-06	9.63E-10	4.09E-10	3.74E-06	1.18E-09	5.01E-10	3.28E-06	1.03E-09	4.39E-10
3084	483363.09, 3845	2.80E-06	8.84E-10	3.75E-10	3.43E-06	1.08E-09	4.60E-10	3.01E-06	9.49E-10	4.03E-10
3085	483863.09, 3845	3.18E-06	1.00E-09	4.26E-10	3.90E-06	1.23E-09	5.22E-10	3.42E-06	1.08E-09	4.58E-10
3086	484363.09, 3845	3.12E-06	9.86E-10	4.18E-10	3.82E-06	1.21E-09	5.12E-10	3.35E-06	1.06E-09	4.49E-10
3087	484863.09, 3845	2.97E-06	9.36E-10	3.97E-10	3.63E-06	1.15E-09	4.87E-10	3.19E-06	1.01E-09	4.27E-10
3088	485363.09, 3845	2.79E-06	8.82E-10	3.74E-10	3.42E-06	1.08E-09	4.58E-10	3.00E-06	9.47E-10	4.02E-10
3089	485863.09, 3845	2.74E-06	8.65E-10	3.67E-10	3.36E-06	1.06E-09	4.50E-10	2.94E-06	9.29E-10	3.94E-10
3090	486363.09, 3845	2.61E-06	8.24E-10	3.50E-10	3.20E-06	1.01E-09	4.28E-10	2.80E-06	8.85E-10	3.76E-10
3091	486863.09, 3845	2.42E-06	7.64E-10	3.24E-10	2.97E-06	9.36E-10	3.97E-10	2.60E-06	8.21E-10	3.48E-10
3092	487363.09, 3845	2.37E-06	7.47E-10	3.17E-10	2.90E-06	9.15E-10	3.88E-10	2.54E-06	8.02E-10	3.40E-10
3093	487863.09, 3845	2.21E-06	6.97E-10	2.96E-10	2.71E-06	8.54E-10	3.62E-10	2.37E-06	7.49E-10	3.18E-10
3094	488363.09, 3845	2.13E-06	6.71E-10	2.85E-10	2.61E-06	8.22E-10	3.49E-10	2.28E-06	7.21E-10	3.06E-10
3095	488863.09, 3845	2.34E-06	7.40E-10	3.14E-10	2.87E-06	9.06E-10	3.84E-10	2.52E-06	7.95E-10	3.37E-10
3096	489363.09, 3845	2.34E-06	7.38E-10	3.13E-10	2.87E-06	9.05E-10	3.84E-10	2.51E-06	7.93E-10	3.37E-10
3097	489863.09, 3845	2.24E-06	7.08E-10	3.00E-10	2.75E-06	8.67E-10	3.68E-10	2.41E-06	7.60E-10	3.23E-10
3098	490363.09, 3845	2.13E-06	6.73E-10	2.85E-10	2.61E-06	8.24E-10	3.50E-10	2.29E-06	7.22E-10	3.06E-10
3099	490863.09, 3845	1.92E-06	6.07E-10	2.57E-10	2.35E-06	7.43E-10	3.15E-10	2.06E-06	6.51E-10	2.76E-10
3100	491363.09, 3845	2.10E-06	6.64E-10	2.82E-10	2.58E-06	8.13E-10	3.45E-10	2.26E-06	7.12E-10	3.02E-10
3101	491863.09, 3845	2.26E-06	7.14E-10	3.03E-10	2.77E-06	8.74E-10	3.71E-10	2.43E-06	7.66E-10	3.25E-10
3102	492363.09, 3845	2.14E-06	6.74E-10	2.86E-10	2.62E-06	8.26E-10	3.50E-10	2.29E-06	7.24E-10	3.07E-10
3103	492863.09, 3845	2.45E-06	7.72E-10	3.28E-10	3.00E-06	9.46E-10	4.01E-10	2.63E-06	8.29E-10	3.52E-10
3104	493363.09, 3845	2.64E-06	8.35E-10	3.54E-10	3.24E-06	1.02E-09	4.34E-10	2.84E-06	8.96E-10	3.80E-10
3105	493863.09, 3845	2.88E-06	9.08E-10	3.85E-10	3.52E-06	1.11E-09	4.72E-10	3.09E-06	9.75E-10	4.14E-10
3106	494363.09, 3845	3.07E-06	9.70E-10	4.12E-10	3.76E-06	1.19E-09	5.04E-10	3.30E-06	1.04E-09	4.42E-10
3107	494863.09, 3845	3.25E-06	1.03E-09	4.35E-10	3.98E-06	1.26E-09	5.33E-10	3.49E-06	1.10E-09	4.68E-10
3108	495363.09, 3845	3.49E-06	1.10E-09	4.67E-10	4.27E-06	1.35E-09	5.72E-10	3.74E-06	1.18E-09	5.01E-10
3109	495863.09, 3845	3.75E-06	1.18E-09	5.02E-10	4.59E-06	1.45E-09	6.14E-10	4.02E-06	1.27E-09	5.39E-10
3110	496363.09, 3845	4.03E-06	1.27E-09	5.40E-10	4.94E-06	1.56E-09	6.61E-10	4.33E-06	1.37E-09	5.79E-10
3111	496863.09, 3845	4.25E-06	1.34E-09	5.69E-10	5.21E-06	1.64E-09	6.97E-10	4.56E-06	1.44E-09	6.11E-10
3112	497363.09, 3845	4.47E-06	1.41E-09	5.98E-10	5.47E-06	1.73E-09	7.32E-10	4.79E-06	1.51E-09	6.42E-10
3113	497863.09, 3845	4.74E-06	1.50E-09	6.35E-10	5.81E-06	1.83E-09	7.77E-10	5.09E-06	1.61E-09	6.81E-10
3114	498363.09, 3845	5.00E-06	1.58E-09	6.69E-10	6.12E-06	1.93E-09	8.20E-10	5.37E-06	1.69E-09	7.19E-10
3115	471363.09, 3846	1.07E-05	3.37E-09	1.43E-09	1.31E-05	4.13E-09	1.75E-09	1.15E-05	3.62E-09	1.54E-09
3116	471863.09, 3846	9.95E-06	3.14E-09	1.33E-09	1.22E-05	3.85E-09	1.63E-09	1.07E-05	3.37E-09	1.43E-09
3117	472363.09, 3846	7.40E-06	2.34E-09	9.91E-10	9.07E-06	2.86E-09	1.21E-09	7.95E-06	2.51E-09	1.06E-09
3118	472863.09, 3846	7.50E-06	2.37E-09	1.00E-09	9.19E-06	2.90E-09	1.23E-09	8.05E-06	2.54E-09	1.08E-09
3119	473363.09, 3846	7.40E-06	2.34E-09	9.91E-10	9.06E-06	2.86E-09	1.21E-09	7.95E-06	2.51E-09	1.06E-09
3120	473863.09, 3846	7.45E-06	2.35E-09	9.98E-10	9.13E-06	2.88E-09	1.22E-09	8.00E-06	2.53E-09	1.07E-09
3121	474363.09, 3846	7.77E-06	2.45E-09	1.04E-09	9.52E-06	3.00E-09	1.27E-09	8.34E-06	2.63E-09	1.12E-09
3122	474863.09, 3846	9.01E-06	2.84E-09	1.21E-09	1.10E-05	3.48E-09	1.48E-09	9.68E-06	3.05E-09	1.30E-09
3123	475363.09, 3846	1.12E-05	3.53E-09	1.50E-09	1.37E-05	4.32E-09	1.83E-09	1.20E-05	3.79E-09	1.61E-09
3124	475863.09, 3846	1.39E-05	4.39E-09	1.86E-09	1.70E-05	5.38E-09	2.28E-09	1.49E-05	4.71E-09	2.00E-09
3125	476363.09, 3846	1.39E-05	4.40E-09	1.87E-09	1.71E-05	5.39E-09	2.29E-09	1.50E-05	4.73E-09	2.01E-09
3126	476863.09, 3846	1.29E-05	4.07E-09	1.73E-09	1.58E-05	4.98E-09	2.11E-09	1.38E-05	4.37E-09	1.85E-09
3127	477363.09, 3846	1.16E-05	3.66E-09	1.55E-09	1.42E-05	4.49E-09	1.90E-09	1.25E-05	3.93E-09	1.67E-09
3128	477863.09, 3846	9.45E-06	2.98E-09	1.27E-09	1.16E-05	3.65E-09	1.55E-09	1.01E-05	3.20E-09	1.36E-09

3129	478363.09, 3846	8.55E-06	2.70E-09	1.14E-09	1.05E-05	3.30E-09	1.40E-09	9.18E-06	2.90E-09	1.23E-09
3130	478863.09, 3846	8.55E-06	2.70E-09	1.14E-09	1.05E-05	3.30E-09	1.40E-09	9.18E-06	2.90E-09	1.23E-09
3131	479363.09, 3846	8.20E-06	2.59E-09	1.10E-09	1.00E-05	3.17E-09	1.34E-09	8.81E-06	2.78E-09	1.18E-09
3132	479863.09, 3846	7.42E-06	2.34E-09	9.93E-10	9.09E-06	2.87E-09	1.22E-09	7.97E-06	2.51E-09	1.07E-09
3133	480363.09, 3846	7.27E-06	2.29E-09	9.74E-10	8.91E-06	2.81E-09	1.19E-09	7.81E-06	2.47E-09	1.05E-09
3134	480863.09, 3846	5.96E-06	1.88E-09	7.98E-10	7.30E-06	2.30E-09	9.78E-10	6.40E-06	2.02E-09	8.58E-10
3135	481363.09, 3846	5.61E-06	1.77E-09	7.51E-10	6.87E-06	2.17E-09	9.20E-10	6.02E-06	1.90E-09	8.07E-10
3136	481863.09, 3846	4.99E-06	1.57E-09	6.68E-10	6.11E-06	1.93E-09	8.18E-10	5.36E-06	1.69E-09	7.17E-10
3137	482363.09, 3846	4.29E-06	1.35E-09	5.75E-10	5.26E-06	1.66E-09	7.04E-10	4.61E-06	1.46E-09	6.18E-10
3138	482863.09, 3846	3.64E-06	1.15E-09	4.87E-10	4.46E-06	1.41E-09	5.97E-10	3.91E-06	1.23E-09	5.23E-10
3139	483363.09, 3846	3.82E-06	1.20E-09	5.11E-10	4.68E-06	1.48E-09	6.26E-10	4.10E-06	1.29E-09	5.49E-10
3140	483863.09, 3846	3.65E-06	1.15E-09	4.89E-10	4.47E-06	1.41E-09	5.99E-10	3.92E-06	1.24E-09	5.25E-10
3141	484363.09, 3846	3.26E-06	1.03E-09	4.37E-10	3.99E-06	1.26E-09	5.35E-10	3.50E-06	1.11E-09	4.69E-10
3142	484863.09, 3846	3.49E-06	1.10E-09	4.68E-10	4.28E-06	1.35E-09	5.73E-10	3.75E-06	1.18E-09	5.03E-10
3143	485363.09, 3846	3.42E-06	1.08E-09	4.58E-10	4.19E-06	1.32E-09	5.61E-10	3.67E-06	1.16E-09	4.92E-10
3144	485863.09, 3846	3.09E-06	9.76E-10	4.14E-10	3.79E-06	1.20E-09	5.07E-10	3.32E-06	1.05E-09	4.45E-10
3145	486363.09, 3846	2.61E-06	8.25E-10	3.50E-10	3.20E-06	1.01E-09	4.29E-10	2.81E-06	8.86E-10	3.76E-10
3146	486863.09, 3846	2.50E-06	7.90E-10	3.35E-10	3.06E-06	9.67E-10	4.10E-10	2.69E-06	8.48E-10	3.60E-10
3147	487363.09, 3846	2.52E-06	7.97E-10	3.38E-10	3.09E-06	9.76E-10	4.14E-10	2.71E-06	8.55E-10	3.63E-10
3148	487863.09, 3846	2.70E-06	8.52E-10	3.61E-10	3.30E-06	1.04E-09	4.43E-10	2.90E-06	9.14E-10	3.88E-10
3149	488363.09, 3846	2.62E-06	8.26E-10	3.50E-10	3.20E-06	1.01E-09	4.29E-10	2.81E-06	8.87E-10	3.76E-10
3150	488863.09, 3846	2.62E-06	8.27E-10	3.51E-10	3.21E-06	1.01E-09	4.30E-10	2.81E-06	8.88E-10	3.77E-10
3151	489363.09, 3846	2.57E-06	8.12E-10	3.45E-10	3.15E-06	9.95E-10	4.22E-10	2.76E-06	8.73E-10	3.70E-10
3152	489863.09, 3846	2.48E-06	7.83E-10	3.32E-10	3.04E-06	9.59E-10	4.07E-10	2.66E-06	8.41E-10	3.57E-10
3153	490363.09, 3846	2.23E-06	7.05E-10	2.99E-10	2.74E-06	8.63E-10	3.66E-10	2.40E-06	7.57E-10	3.21E-10
3154	490863.09, 3846	2.18E-06	6.89E-10	2.92E-10	2.67E-06	8.44E-10	3.58E-10	2.34E-06	7.39E-10	3.14E-10
3155	491363.09, 3846	2.24E-06	7.08E-10	3.00E-10	2.75E-06	8.67E-10	3.68E-10	2.41E-06	7.59E-10	3.22E-10
3156	491863.09, 3846	2.51E-06	7.93E-10	3.37E-10	3.08E-06	9.72E-10	4.12E-10	2.70E-06	8.51E-10	3.61E-10
3157	492363.09, 3846	2.54E-06	8.03E-10	3.41E-10	3.12E-06	9.84E-10	4.17E-10	2.73E-06	8.62E-10	3.66E-10
3158	492863.09, 3846	2.67E-06	8.41E-10	3.57E-10	3.26E-06	1.03E-09	4.37E-10	2.86E-06	9.03E-10	3.83E-10
3159	493363.09, 3846	2.98E-06	9.40E-10	3.99E-10	3.65E-06	1.15E-09	4.89E-10	3.20E-06	1.01E-09	4.28E-10
3160	493863.09, 3846	3.23E-06	1.02E-09	4.33E-10	3.96E-06	1.25E-09	5.30E-10	3.47E-06	1.09E-09	4.65E-10
3161	494363.09, 3846	3.47E-06	1.09E-09	4.64E-10	4.25E-06	1.34E-09	5.69E-10	3.72E-06	1.18E-09	4.99E-10
3162	494863.09, 3846	3.70E-06	1.17E-09	4.96E-10	4.53E-06	1.43E-09	6.07E-10	3.98E-06	1.25E-09	5.32E-10
3163	495363.09, 3846	3.96E-06	1.25E-09	5.30E-10	4.85E-06	1.53E-09	6.50E-10	4.25E-06	1.34E-09	5.69E-10
3164	495863.09, 3846	4.29E-06	1.35E-09	5.74E-10	5.25E-06	1.66E-09	7.03E-10	4.60E-06	1.45E-09	6.16E-10
3165	496363.09, 3846	4.61E-06	1.45E-09	6.17E-10	5.64E-06	1.78E-09	7.56E-10	4.95E-06	1.56E-09	6.62E-10
3166	496863.09, 3846	4.94E-06	1.56E-09	6.62E-10	6.05E-06	1.91E-09	8.10E-10	5.30E-06	1.67E-09	7.10E-10
3167	497363.09, 3846	5.25E-06	1.66E-09	7.04E-10	6.44E-06	2.03E-09	8.62E-10	5.64E-06	1.78E-09	7.55E-10
3168	497863.09, 3846	5.55E-06	1.75E-09	7.43E-10	6.80E-06	2.15E-09	9.11E-10	5.96E-06	1.88E-09	7.98E-10
3169	498363.09, 3846	5.83E-06	1.84E-09	7.81E-10	7.14E-06	2.25E-09	9.56E-10	6.26E-06	1.98E-09	8.38E-10
3170	471363.09, 3846	1.17E-05	3.69E-09	1.56E-09	1.43E-05	4.52E-09	1.92E-09	1.25E-05	3.96E-09	1.68E-09
3171	471863.09, 3846	1.18E-05	3.72E-09	1.58E-09	1.44E-05	4.55E-09	1.93E-09	1.26E-05	3.99E-09	1.69E-09
3172	472363.09, 3846	1.14E-05	3.59E-09	1.52E-09	1.39E-05	4.40E-09	1.87E-09	1.22E-05	3.86E-09	1.64E-09
3173	472863.09, 3846	7.94E-06	2.50E-09	1.06E-09	9.72E-06	3.07E-09	1.30E-09	8.52E-06	2.69E-09	1.14E-09
3174	473363.09, 3846	8.66E-06	2.73E-09	1.16E-09	1.06E-05	3.35E-09	1.42E-09	9.30E-06	2.93E-09	1.25E-09
3175	473863.09, 3846	9.23E-06	2.91E-09	1.24E-09	1.13E-05	3.57E-09	1.51E-09	9.91E-06	3.13E-09	1.33E-09
3176	474363.09, 3846	8.75E-06	2.76E-09	1.17E-09	1.07E-05	3.38E-09	1.43E-09	9.40E-06	2.97E-09	1.26E-09
3177	474863.09, 3846	8.77E-06	2.77E-09	1.17E-09	1.07E-05	3.39E-09	1.44E-09	9.42E-06	2.97E-09	1.26E-09
3178	475363.09, 3846	9.56E-06	3.02E-09	1.28E-09	1.17E-05	3.70E-09	1.57E-09	1.03E-05	3.24E-09	1.38E-09
3179	475863.09, 3846	1.25E-05	3.94E-09	1.67E-09	1.53E-05	4.83E-09	2.05E-09	1.34E-05	4.23E-09	1.80E-09
3180	476363.09, 3846	1.52E-05	4.81E-09	2.04E-09	1.87E-05	5.89E-09	2.50E-09	1.64E-05	5.17E-09	2.19E-09
3181	476863.09, 3846	1.53E-05	4.84E-09	2.05E-09	1.88E-05	5.93E-09	2.51E-09	1.65E-05	5.20E-09	2.20E-09
3182	477363.09, 3846	1.43E-05	4.50E-09	1.91E-09	1.75E-05	5.52E-09	2.34E-09	1.53E-05	4.84E-09	2.05E-09
3183	477863.09, 3846	1.24E-05	3.92E-09	1.66E-09	1.52E-05	4.80E-09	2.04E-09	1.33E-05	4.21E-09	1.79E-09
3184	478363.09, 3846	1.05E-05	3.33E-09	1.41E-09	1.29E-05	4.08E-09	1.73E-09	1.13E-05	3.57E-09	1.52E-09
3185	478863.09, 3846	1.01E-05	3.20E-09	1.36E-09	1.24E-05	3.92E-09	1.66E-09	1.09E-05	3.44E-09	1.46E-09
3186	479363.09, 3846	9.73E-06	3.07E-09	1.30E-09	1.19E-05	3.76E-09	1.60E-09	1.04E-05	3.30E-09	1.40E-09

3187	479863.09, 3846	7.59E-06	2.40E-09	1.02E-09	9.30E-06	2.93E-09	1.25E-09	8.15E-06	2.57E-09	1.09E-09
3188	480363.09, 3846	6.38E-06	2.01E-09	8.55E-10	7.82E-06	2.47E-09	1.05E-09	6.86E-06	2.16E-09	9.18E-10
3189	480863.09, 3846	5.78E-06	1.83E-09	7.74E-10	7.08E-06	2.24E-09	9.49E-10	6.21E-06	1.96E-09	8.32E-10
3190	481363.09, 3846	5.87E-06	1.85E-09	7.86E-10	7.19E-06	2.27E-09	9.63E-10	6.31E-06	1.99E-09	8.45E-10
3191	481863.09, 3846	5.62E-06	1.77E-09	7.53E-10	6.89E-06	2.17E-09	9.22E-10	6.04E-06	1.91E-09	8.08E-10
3192	482363.09, 3846	4.63E-06	1.46E-09	6.20E-10	5.67E-06	1.79E-09	7.60E-10	4.98E-06	1.57E-09	6.67E-10
3193	482863.09, 3846	4.52E-06	1.43E-09	6.05E-10	5.53E-06	1.75E-09	7.41E-10	4.85E-06	1.53E-09	6.50E-10
3194	483363.09, 3846	4.44E-06	1.40E-09	5.95E-10	5.44E-06	1.72E-09	7.29E-10	4.77E-06	1.51E-09	6.39E-10
3195	483863.09, 3846	4.22E-06	1.33E-09	5.65E-10	5.17E-06	1.63E-09	6.92E-10	4.53E-06	1.43E-09	6.07E-10
3196	484363.09, 3846	4.07E-06	1.28E-09	5.45E-10	4.98E-06	1.57E-09	6.68E-10	4.37E-06	1.38E-09	5.85E-10
3197	484863.09, 3846	3.90E-06	1.23E-09	5.23E-10	4.78E-06	1.51E-09	6.40E-10	4.19E-06	1.32E-09	5.62E-10
3198	485363.09, 3846	3.83E-06	1.21E-09	5.13E-10	4.69E-06	1.48E-09	6.28E-10	4.11E-06	1.30E-09	5.51E-10
3199	485863.09, 3846	3.50E-06	1.11E-09	4.69E-10	4.29E-06	1.35E-09	5.75E-10	3.76E-06	1.19E-09	5.04E-10
3200	486363.09, 3846	3.53E-06	1.12E-09	4.73E-10	4.33E-06	1.37E-09	5.80E-10	3.80E-06	1.20E-09	5.08E-10
3201	486863.09, 3846	3.09E-06	9.76E-10	4.14E-10	3.79E-06	1.19E-09	5.07E-10	3.32E-06	1.05E-09	4.45E-10
3202	487363.09, 3846	3.11E-06	9.83E-10	4.17E-10	3.82E-06	1.20E-09	5.11E-10	3.35E-06	1.06E-09	4.48E-10
3203	487863.09, 3846	3.01E-06	9.50E-10	4.03E-10	3.69E-06	1.16E-09	4.94E-10	3.23E-06	1.02E-09	4.33E-10
3204	488363.09, 3846	2.91E-06	9.19E-10	3.90E-10	3.57E-06	1.13E-09	4.78E-10	3.13E-06	9.87E-10	4.19E-10
3205	488863.09, 3846	2.91E-06	9.19E-10	3.90E-10	3.57E-06	1.13E-09	4.78E-10	3.13E-06	9.87E-10	4.19E-10
3206	489363.09, 3846	2.89E-06	9.11E-10	3.86E-10	3.53E-06	1.12E-09	4.73E-10	3.10E-06	9.79E-10	4.15E-10
3207	489863.09, 3846	2.82E-06	8.89E-10	3.77E-10	3.45E-06	1.09E-09	4.62E-10	3.03E-06	9.55E-10	4.05E-10
3208	490363.09, 3846	2.59E-06	8.18E-10	3.47E-10	3.18E-06	1.00E-09	4.25E-10	2.78E-06	8.78E-10	3.73E-10
3209	490863.09, 3846	2.60E-06	8.21E-10	3.48E-10	3.18E-06	1.01E-09	4.26E-10	2.79E-06	8.80E-10	3.74E-10
3210	491363.09, 3846	2.67E-06	8.44E-10	3.58E-10	3.27E-06	1.03E-09	4.38E-10	2.87E-06	9.06E-10	3.84E-10
3211	491863.09, 3846	2.66E-06	8.41E-10	3.57E-10	3.26E-06	1.03E-09	4.37E-10	2.86E-06	9.03E-10	3.83E-10
3212	492363.09, 3846	3.04E-06	9.59E-10	4.07E-10	3.72E-06	1.17E-09	4.98E-10	3.26E-06	1.03E-09	4.37E-10
3213	492863.09, 3846	3.22E-06	1.02E-09	4.31E-10	3.94E-06	1.24E-09	5.27E-10	3.45E-06	1.09E-09	4.62E-10
3214	493363.09, 3846	3.49E-06	1.10E-09	4.67E-10	4.27E-06	1.35E-09	5.72E-10	3.75E-06	1.18E-09	5.02E-10
3215	493863.09, 3846	3.72E-06	1.17E-09	4.99E-10	4.56E-06	1.44E-09	6.11E-10	4.00E-06	1.26E-09	5.35E-10
3216	494363.09, 3846	3.92E-06	1.24E-09	5.25E-10	4.80E-06	1.51E-09	6.43E-10	4.21E-06	1.33E-09	5.64E-10
3217	494863.09, 3846	4.20E-06	1.32E-09	5.62E-10	5.14E-06	1.62E-09	6.88E-10	4.51E-06	1.42E-09	6.03E-10
3218	495363.09, 3846	4.47E-06	1.41E-09	5.98E-10	5.47E-06	1.73E-09	7.32E-10	4.79E-06	1.51E-09	6.42E-10
3219	495863.09, 3846	4.77E-06	1.50E-09	6.38E-10	5.84E-06	1.84E-09	7.82E-10	5.12E-06	1.62E-09	6.85E-10
3220	496363.09, 3846	5.10E-06	1.61E-09	6.83E-10	6.25E-06	1.97E-09	8.37E-10	5.47E-06	1.73E-09	7.33E-10
3221	496863.09, 3846	5.51E-06	1.74E-09	7.38E-10	6.75E-06	2.13E-09	9.04E-10	5.92E-06	1.87E-09	7.93E-10
3222	497363.09, 3846	6.07E-06	1.91E-09	8.12E-10	7.43E-06	2.35E-09	9.95E-10	6.51E-06	2.06E-09	8.72E-10
3223	497863.09, 3846	6.58E-06	2.08E-09	8.81E-10	8.06E-06	2.54E-09	1.08E-09	7.06E-06	2.23E-09	9.46E-10
3224	498363.09, 3846	6.84E-06	2.16E-09	9.15E-10	8.37E-06	2.64E-09	1.12E-09	7.34E-06	2.32E-09	9.83E-10
3225	471363.09, 3847	1.25E-05	3.95E-09	1.68E-09	1.53E-05	4.84E-09	2.05E-09	1.34E-05	4.24E-09	1.80E-09
3226	471863.09, 3847	1.27E-05	4.02E-09	1.71E-09	1.56E-05	4.93E-09	2.09E-09	1.37E-05	4.32E-09	1.83E-09
3227	472363.09, 3847	1.29E-05	4.08E-09	1.73E-09	1.58E-05	4.99E-09	2.12E-09	1.39E-05	4.38E-09	1.86E-09
3228	472863.09, 3847	1.26E-05	3.96E-09	1.68E-09	1.54E-05	4.86E-09	2.06E-09	1.35E-05	4.26E-09	1.81E-09
3229	473363.09, 3847	1.05E-05	3.33E-09	1.41E-09	1.29E-05	4.08E-09	1.73E-09	1.13E-05	3.58E-09	1.52E-09
3230	473863.09, 3847	1.04E-05	3.29E-09	1.40E-09	1.28E-05	4.03E-09	1.71E-09	1.12E-05	3.53E-09	1.50E-09
3231	474363.09, 3847	1.08E-05	3.42E-09	1.45E-09	1.33E-05	4.19E-09	1.78E-09	1.16E-05	3.67E-09	1.56E-09
3232	474863.09, 3847	1.00E-05	3.16E-09	1.34E-09	1.23E-05	3.88E-09	1.64E-09	1.08E-05	3.40E-09	1.44E-09
3233	475363.09, 3847	9.45E-06	2.98E-09	1.27E-09	1.16E-05	3.65E-09	1.55E-09	1.02E-05	3.21E-09	1.36E-09
3234	475863.09, 3847	1.12E-05	3.52E-09	1.50E-09	1.37E-05	4.32E-09	1.83E-09	1.20E-05	3.79E-09	1.61E-09
3235	476363.09, 3847	1.48E-05	4.67E-09	1.98E-09	1.81E-05	5.71E-09	2.42E-09	1.59E-05	5.01E-09	2.13E-09
3236	476863.09, 3847	1.70E-05	5.36E-09	2.27E-09	2.08E-05	6.56E-09	2.79E-09	1.82E-05	5.76E-09	2.44E-09
3237	477363.09, 3847	1.74E-05	5.50E-09	2.33E-09	2.13E-05	6.73E-09	2.86E-09	1.87E-05	5.90E-09	2.51E-09
3238	477863.09, 3847	1.58E-05	4.98E-09	2.11E-09	1.93E-05	6.10E-09	2.59E-09	1.69E-05	5.35E-09	2.27E-09
3239	478363.09, 3847	1.40E-05	4.40E-09	1.87E-09	1.71E-05	5.39E-09	2.29E-09	1.50E-05	4.73E-09	2.01E-09
3240	478863.09, 3847	1.24E-05	3.90E-09	1.66E-09	1.52E-05	4.78E-09	2.03E-09	1.33E-05	4.19E-09	1.78E-09
3241	479363.09, 3847	9.93E-06	3.13E-09	1.33E-09	1.22E-05	3.84E-09	1.63E-09	1.07E-05	3.37E-09	1.43E-09
3242	479863.09, 3847	7.38E-06	2.33E-09	9.89E-10	9.05E-06	2.85E-09	1.21E-09	7.93E-06	2.50E-09	1.06E-09
3243	480363.09, 3847	5.05E-06	1.59E-09	6.76E-10	6.18E-06	1.95E-09	8.28E-10	5.42E-06	1.71E-09	7.26E-10
3244	480863.09, 3847	4.48E-06	1.41E-09	6.00E-10	5.49E-06	1.73E-09	7.35E-10	4.81E-06	1.52E-09	6.44E-10

3245	481363.09, 3847	4.91E-06	1.55E-09	6.57E-10	6.01E-06	1.90E-09	8.05E-10	5.27E-06	1.66E-09	7.06E-10
3246	481863.09, 3847	6.22E-06	1.96E-09	8.33E-10	7.62E-06	2.41E-09	1.02E-09	6.68E-06	2.11E-09	8.95E-10
3247	482363.09, 3847	5.79E-06	1.83E-09	7.75E-10	7.09E-06	2.24E-09	9.49E-10	6.22E-06	1.96E-09	8.32E-10
3248	482863.09, 3847	5.28E-06	1.67E-09	7.07E-10	6.46E-06	2.04E-09	8.66E-10	5.67E-06	1.79E-09	7.59E-10
3249	483363.09, 3847	5.02E-06	1.58E-09	6.72E-10	6.14E-06	1.94E-09	8.23E-10	5.39E-06	1.70E-09	7.22E-10
3250	483863.09, 3847	4.82E-06	1.52E-09	6.46E-10	5.91E-06	1.86E-09	7.91E-10	5.18E-06	1.64E-09	6.94E-10
3251	484363.09, 3847	4.92E-06	1.55E-09	6.58E-10	6.02E-06	1.90E-09	8.06E-10	5.28E-06	1.67E-09	7.07E-10
3252	484863.09, 3847	4.61E-06	1.45E-09	6.17E-10	5.65E-06	1.78E-09	7.56E-10	4.95E-06	1.56E-09	6.63E-10
3253	485363.09, 3847	4.43E-06	1.40E-09	5.94E-10	5.43E-06	1.71E-09	7.27E-10	4.76E-06	1.50E-09	6.38E-10
3254	485863.09, 3847	4.27E-06	1.35E-09	5.72E-10	5.23E-06	1.65E-09	7.00E-10	4.59E-06	1.45E-09	6.14E-10
3255	486363.09, 3847	4.18E-06	1.32E-09	5.60E-10	5.13E-06	1.62E-09	6.86E-10	4.50E-06	1.42E-09	6.02E-10
3256	486863.09, 3847	3.76E-06	1.19E-09	5.03E-10	4.60E-06	1.45E-09	6.16E-10	4.04E-06	1.27E-09	5.41E-10
3257	487363.09, 3847	3.72E-06	1.17E-09	4.98E-10	4.56E-06	1.44E-09	6.10E-10	4.00E-06	1.26E-09	5.35E-10
3258	487863.09, 3847	3.42E-06	1.08E-09	4.58E-10	4.19E-06	1.32E-09	5.61E-10	3.67E-06	1.16E-09	4.92E-10
3259	488363.09, 3847	3.35E-06	1.06E-09	4.48E-10	4.10E-06	1.29E-09	5.49E-10	3.59E-06	1.13E-09	4.81E-10
3260	488863.09, 3847	3.30E-06	1.04E-09	4.42E-10	4.04E-06	1.28E-09	5.41E-10	3.54E-06	1.12E-09	4.75E-10
3261	489363.09, 3847	3.30E-06	1.04E-09	4.42E-10	4.04E-06	1.28E-09	5.41E-10	3.54E-06	1.12E-09	4.75E-10
3262	489863.09, 3847	3.18E-06	1.00E-09	4.25E-10	3.89E-06	1.23E-09	5.21E-10	3.41E-06	1.08E-09	4.57E-10
3263	490363.09, 3847	3.11E-06	9.83E-10	4.17E-10	3.81E-06	1.20E-09	5.11E-10	3.34E-06	1.05E-09	4.47E-10
3264	490863.09, 3847	3.17E-06	1.00E-09	4.24E-10	3.88E-06	1.23E-09	5.20E-10	3.40E-06	1.07E-09	4.56E-10
3265	491363.09, 3847	3.20E-06	1.01E-09	4.28E-10	3.92E-06	1.24E-09	5.25E-10	3.43E-06	1.08E-09	4.60E-10
3266	491863.09, 3847	3.49E-06	1.10E-09	4.67E-10	4.27E-06	1.35E-09	5.72E-10	3.75E-06	1.18E-09	5.02E-10
3267	492363.09, 3847	3.57E-06	1.13E-09	4.78E-10	4.37E-06	1.38E-09	5.86E-10	3.83E-06	1.21E-09	5.14E-10
3268	492863.09, 3847	3.84E-06	1.21E-09	5.15E-10	4.71E-06	1.49E-09	6.30E-10	4.13E-06	1.30E-09	5.53E-10
3269	493363.09, 3847	4.06E-06	1.28E-09	5.43E-10	4.97E-06	1.57E-09	6.65E-10	4.36E-06	1.37E-09	5.83E-10
3270	493863.09, 3847	4.19E-06	1.32E-09	5.61E-10	5.14E-06	1.62E-09	6.88E-10	4.50E-06	1.42E-09	6.03E-10
3271	494363.09, 3847	4.35E-06	1.37E-09	5.83E-10	5.33E-06	1.68E-09	7.14E-10	4.68E-06	1.48E-09	6.26E-10
3272	494863.09, 3847	4.61E-06	1.45E-09	6.17E-10	5.64E-06	1.78E-09	7.55E-10	4.94E-06	1.56E-09	6.62E-10
3273	495363.09, 3847	4.89E-06	1.54E-09	6.55E-10	5.99E-06	1.89E-09	8.02E-10	5.25E-06	1.66E-09	7.03E-10
3274	495863.09, 3847	5.22E-06	1.65E-09	6.99E-10	6.40E-06	2.02E-09	8.56E-10	5.60E-06	1.77E-09	7.50E-10
3275	496363.09, 3847	5.55E-06	1.75E-09	7.44E-10	6.80E-06	2.15E-09	9.11E-10	5.96E-06	1.88E-09	7.98E-10
3276	496863.09, 3847	6.09E-06	1.92E-09	8.15E-10	7.46E-06	2.35E-09	9.99E-10	6.53E-06	2.06E-09	8.75E-10
3277	497363.09, 3847	6.82E-06	2.15E-09	9.13E-10	8.35E-06	2.64E-09	1.12E-09	7.32E-06	2.31E-09	9.80E-10
3278	497863.09, 3847	7.68E-06	2.43E-09	1.03E-09	9.41E-06	2.97E-09	1.26E-09	8.25E-06	2.60E-09	1.10E-09
3279	498363.09, 3847	8.09E-06	2.55E-09	1.08E-09	9.92E-06	3.13E-09	1.33E-09	8.69E-06	2.74E-09	1.16E-09
3280	471363.09, 3847	1.34E-05	4.24E-09	1.80E-09	1.64E-05	5.19E-09	2.20E-09	1.44E-05	4.55E-09	1.93E-09
3281	471863.09, 3847	1.38E-05	4.35E-09	1.84E-09	1.69E-05	5.32E-09	2.26E-09	1.48E-05	4.67E-09	1.98E-09
3282	472363.09, 3847	1.40E-05	4.43E-09	1.88E-09	1.72E-05	5.42E-09	2.30E-09	1.51E-05	4.75E-09	2.02E-09
3283	472863.09, 3847	1.42E-05	4.48E-09	1.90E-09	1.74E-05	5.49E-09	2.33E-09	1.52E-05	4.81E-09	2.04E-09
3284	473363.09, 3847	1.44E-05	4.54E-09	1.93E-09	1.76E-05	5.56E-09	2.36E-09	1.54E-05	4.88E-09	2.07E-09
3285	473863.09, 3847	1.38E-05	4.36E-09	1.85E-09	1.69E-05	5.34E-09	2.27E-09	1.48E-05	4.68E-09	1.99E-09
3286	474363.09, 3847	1.21E-05	3.81E-09	1.61E-09	1.48E-05	4.66E-09	1.98E-09	1.30E-05	4.09E-09	1.73E-09
3287	474863.09, 3847	1.25E-05	3.94E-09	1.67E-09	1.53E-05	4.83E-09	2.05E-09	1.34E-05	4.23E-09	1.80E-09
3288	475363.09, 3847	1.14E-05	3.61E-09	1.53E-09	1.40E-05	4.42E-09	1.88E-09	1.23E-05	3.88E-09	1.65E-09
3289	475863.09, 3847	1.06E-05	3.33E-09	1.41E-09	1.29E-05	4.08E-09	1.73E-09	1.13E-05	3.58E-09	1.52E-09
3290	476363.09, 3847	1.32E-05	4.17E-09	1.77E-09	1.62E-05	5.11E-09	2.17E-09	1.42E-05	4.48E-09	1.90E-09
3291	476863.09, 3847	1.64E-05	5.19E-09	2.20E-09	2.01E-05	6.35E-09	2.70E-09	1.77E-05	5.57E-09	2.36E-09
3292	477363.09, 3847	1.94E-05	6.14E-09	2.60E-09	2.38E-05	7.52E-09	3.19E-09	2.09E-05	6.59E-09	2.80E-09
3293	477863.09, 3847	1.97E-05	6.21E-09	2.63E-09	2.41E-05	7.60E-09	3.23E-09	2.11E-05	6.67E-09	2.83E-09
3294	478363.09, 3847	1.78E-05	5.63E-09	2.39E-09	2.18E-05	6.89E-09	2.92E-09	1.92E-05	6.05E-09	2.56E-09
3295	478863.09, 3847	1.54E-05	4.86E-09	2.06E-09	1.89E-05	5.96E-09	2.53E-09	1.65E-05	5.22E-09	2.22E-09
3296	479363.09, 3847	1.03E-05	3.24E-09	1.38E-09	1.26E-05	3.97E-09	1.69E-09	1.10E-05	3.48E-09	1.48E-09
3297	479863.09, 3847	5.97E-06	1.88E-09	8.00E-10	7.31E-06	2.31E-09	9.79E-10	6.42E-06	2.02E-09	8.59E-10
3298	480363.09, 3847	6.17E-06	1.95E-09	8.26E-10	7.56E-06	2.39E-09	1.01E-09	6.63E-06	2.09E-09	8.87E-10
3299	480863.09, 3847	5.35E-06	1.69E-09	7.17E-10	6.55E-06	2.07E-09	8.78E-10	5.75E-06	1.81E-09	7.70E-10
3300	481363.09, 3847	5.40E-06	1.70E-09	7.23E-10	6.61E-06	2.09E-09	8.85E-10	5.80E-06	1.83E-09	7.77E-10
3301	481863.09, 3847	7.41E-06	2.34E-09	9.92E-10	9.08E-06	2.87E-09	1.22E-09	7.96E-06	2.51E-09	1.07E-09
3302	482363.09, 3847	6.92E-06	2.18E-09	9.27E-10	8.48E-06	2.67E-09	1.13E-09	7.43E-06	2.35E-09	9.95E-10

3303	482863.09, 3847	6.02E-06	1.90E-09	8.07E-10	7.38E-06	2.33E-09	9.88E-10	6.47E-06	2.04E-09	8.67E-10
3304	483363.09, 3847	5.80E-06	1.83E-09	7.77E-10	7.11E-06	2.24E-09	9.52E-10	6.23E-06	1.97E-09	8.35E-10
3305	483863.09, 3847	5.64E-06	1.78E-09	7.55E-10	6.91E-06	2.18E-09	9.25E-10	6.06E-06	1.91E-09	8.11E-10
3306	484363.09, 3847	5.73E-06	1.81E-09	7.67E-10	7.01E-06	2.21E-09	9.39E-10	6.15E-06	1.94E-09	8.23E-10
3307	484863.09, 3847	5.47E-06	1.73E-09	7.32E-10	6.70E-06	2.11E-09	8.97E-10	5.88E-06	1.86E-09	7.87E-10
3308	485363.09, 3847	5.37E-06	1.69E-09	7.19E-10	6.57E-06	2.08E-09	8.80E-10	5.77E-06	1.82E-09	7.72E-10
3309	485863.09, 3847	5.24E-06	1.65E-09	7.01E-10	6.41E-06	2.02E-09	8.59E-10	5.62E-06	1.77E-09	7.53E-10
3310	486363.09, 3847	4.78E-06	1.51E-09	6.40E-10	5.86E-06	1.85E-09	7.84E-10	5.14E-06	1.62E-09	6.88E-10
3311	486863.09, 3847	4.48E-06	1.41E-09	6.00E-10	5.49E-06	1.73E-09	7.35E-10	4.81E-06	1.52E-09	6.45E-10
3312	487363.09, 3847	4.25E-06	1.34E-09	5.69E-10	5.20E-06	1.64E-09	6.97E-10	4.56E-06	1.44E-09	6.11E-10
3313	487863.09, 3847	3.97E-06	1.25E-09	5.31E-10	4.86E-06	1.53E-09	6.51E-10	4.26E-06	1.35E-09	5.71E-10
3314	488363.09, 3847	3.85E-06	1.22E-09	5.16E-10	4.72E-06	1.49E-09	6.32E-10	4.14E-06	1.31E-09	5.54E-10
3315	488863.09, 3847	3.83E-06	1.21E-09	5.12E-10	4.69E-06	1.48E-09	6.28E-10	4.11E-06	1.30E-09	5.51E-10
3316	489363.09, 3847	3.87E-06	1.22E-09	5.19E-10	4.74E-06	1.50E-09	6.35E-10	4.16E-06	1.31E-09	5.57E-10
3317	489863.09, 3847	4.12E-06	1.30E-09	5.51E-10	5.04E-06	1.59E-09	6.75E-10	4.42E-06	1.39E-09	5.92E-10
3318	490363.09, 3847	4.18E-06	1.32E-09	5.60E-10	5.12E-06	1.62E-09	6.86E-10	4.49E-06	1.42E-09	6.01E-10
3319	490863.09, 3847	4.13E-06	1.30E-09	5.53E-10	5.06E-06	1.60E-09	6.77E-10	4.43E-06	1.40E-09	5.93E-10
3320	491363.09, 3847	4.00E-06	1.26E-09	5.36E-10	4.90E-06	1.55E-09	6.56E-10	4.30E-06	1.36E-09	5.75E-10
3321	491863.09, 3847	4.14E-06	1.31E-09	5.54E-10	5.07E-06	1.60E-09	6.79E-10	4.44E-06	1.40E-09	5.95E-10
3322	492363.09, 3847	4.37E-06	1.38E-09	5.86E-10	5.36E-06	1.69E-09	7.18E-10	4.70E-06	1.48E-09	6.29E-10
3323	492863.09, 3847	4.53E-06	1.43E-09	6.06E-10	5.54E-06	1.75E-09	7.43E-10	4.86E-06	1.53E-09	6.51E-10
3324	493363.09, 3847	4.51E-06	1.42E-09	6.04E-10	5.52E-06	1.74E-09	7.39E-10	4.84E-06	1.53E-09	6.48E-10
3325	493863.09, 3847	4.61E-06	1.46E-09	6.18E-10	5.65E-06	1.78E-09	7.56E-10	4.95E-06	1.56E-09	6.63E-10
3326	494363.09, 3847	4.82E-06	1.52E-09	6.46E-10	5.91E-06	1.86E-09	7.91E-10	5.18E-06	1.63E-09	6.93E-10
3327	494863.09, 3847	5.13E-06	1.62E-09	6.87E-10	6.28E-06	1.98E-09	8.41E-10	5.50E-06	1.74E-09	7.37E-10
3328	495363.09, 3847	5.30E-06	1.67E-09	7.10E-10	6.49E-06	2.05E-09	8.70E-10	5.69E-06	1.80E-09	7.62E-10
3329	495863.09, 3847	5.06E-06	1.60E-09	6.78E-10	6.20E-06	1.96E-09	8.30E-10	5.43E-06	1.71E-09	7.27E-10
3330	496363.09, 3847	6.07E-06	1.92E-09	8.13E-10	7.43E-06	2.35E-09	9.95E-10	6.51E-06	2.06E-09	8.72E-10
3331	496863.09, 3847	6.68E-06	2.11E-09	8.95E-10	8.19E-06	2.58E-09	1.10E-09	7.17E-06	2.26E-09	9.61E-10
3332	497363.09, 3847	7.45E-06	2.35E-09	9.97E-10	9.12E-06	2.88E-09	1.22E-09	8.00E-06	2.52E-09	1.07E-09
3333	497863.09, 3847	8.86E-06	2.80E-09	1.19E-09	1.09E-05	3.43E-09	1.45E-09	9.52E-06	3.00E-09	1.27E-09
3334	498363.09, 3847	9.67E-06	3.05E-09	1.29E-09	1.18E-05	3.74E-09	1.59E-09	1.04E-05	3.28E-09	1.39E-09
3335	471363.09, 3848	1.37E-05	4.32E-09	1.83E-09	1.68E-05	5.29E-09	2.24E-09	1.47E-05	4.64E-09	1.97E-09
3336	471863.09, 3848	1.45E-05	4.56E-09	1.94E-09	1.77E-05	5.59E-09	2.37E-09	1.55E-05	4.90E-09	2.08E-09
3337	472363.09, 3848	1.50E-05	4.73E-09	2.01E-09	1.83E-05	5.79E-09	2.46E-09	1.61E-05	5.08E-09	2.15E-09
3338	472863.09, 3848	1.54E-05	4.85E-09	2.06E-09	1.88E-05	5.95E-09	2.52E-09	1.65E-05	5.21E-09	2.21E-09
3339	473363.09, 3848	1.56E-05	4.93E-09	2.09E-09	1.91E-05	6.04E-09	2.56E-09	1.68E-05	5.30E-09	2.25E-09
3340	473863.09, 3848	1.59E-05	5.01E-09	2.13E-09	1.94E-05	6.14E-09	2.60E-09	1.71E-05	5.38E-09	2.28E-09
3341	474363.09, 3848	1.56E-05	4.92E-09	2.09E-09	1.91E-05	6.02E-09	2.56E-09	1.67E-05	5.28E-09	2.24E-09
3342	474863.09, 3848	1.41E-05	4.44E-09	1.89E-09	1.72E-05	5.44E-09	2.31E-09	1.51E-05	4.77E-09	2.03E-09
3343	475363.09, 3848	1.48E-05	4.68E-09	1.98E-09	1.81E-05	5.73E-09	2.43E-09	1.59E-05	5.02E-09	2.13E-09
3344	475863.09, 3848	1.35E-05	4.26E-09	1.81E-09	1.65E-05	5.21E-09	2.21E-09	1.45E-05	4.57E-09	1.94E-09
3345	476363.09, 3848	1.20E-05	3.80E-09	1.61E-09	1.47E-05	4.65E-09	1.97E-09	1.29E-05	4.08E-09	1.73E-09
3346	476863.09, 3848	1.52E-05	4.80E-09	2.04E-09	1.86E-05	5.88E-09	2.49E-09	1.63E-05	5.15E-09	2.19E-09
3347	477363.09, 3848	1.81E-05	5.73E-09	2.43E-09	2.22E-05	7.01E-09	2.98E-09	1.95E-05	6.15E-09	2.61E-09
3348	477863.09, 3848	2.18E-05	6.88E-09	2.92E-09	2.67E-05	8.43E-09	3.58E-09	2.34E-05	7.39E-09	3.14E-09
3349	478363.09, 3848	2.19E-05	6.90E-09	2.93E-09	2.68E-05	8.45E-09	3.59E-09	2.35E-05	7.41E-09	3.14E-09
3350	478863.09, 3848	1.90E-05	5.98E-09	2.54E-09	2.32E-05	7.33E-09	3.11E-09	2.04E-05	6.43E-09	2.73E-09
3351	479363.09, 3848	1.29E-05	4.07E-09	1.73E-09	1.58E-05	4.99E-09	2.12E-09	1.38E-05	4.37E-09	1.85E-09
3352	479863.09, 3848	4.41E-06	1.39E-09	5.91E-10	5.40E-06	1.71E-09	7.23E-10	4.74E-06	1.50E-09	6.34E-10
3353	480363.09, 3848	6.25E-06	1.97E-09	8.38E-10	7.66E-06	2.42E-09	1.03E-09	6.72E-06	2.12E-09	9.00E-10
3354	480863.09, 3848	8.80E-06	2.78E-09	1.18E-09	1.08E-05	3.40E-09	1.44E-09	9.45E-06	2.98E-09	1.27E-09
3355	481363.09, 3848	8.62E-06	2.72E-09	1.15E-09	1.06E-05	3.33E-09	1.41E-09	9.26E-06	2.92E-09	1.24E-09
3356	481863.09, 3848	8.77E-06	2.77E-09	1.18E-09	1.07E-05	3.39E-09	1.44E-09	9.43E-06	2.98E-09	1.26E-09
3357	482363.09, 3848	8.78E-06	2.77E-09	1.18E-09	1.08E-05	3.40E-09	1.44E-09	9.43E-06	2.98E-09	1.26E-09
3358	482863.09, 3848	7.37E-06	2.33E-09	9.87E-10	9.03E-06	2.85E-09	1.21E-09	7.92E-06	2.50E-09	1.06E-09
3359	483363.09, 3848	7.12E-06	2.25E-09	9.53E-10	8.72E-06	2.75E-09	1.17E-09	7.65E-06	2.41E-09	1.02E-09
3360	483863.09, 3848	6.42E-06	2.03E-09	8.60E-10	7.86E-06	2.48E-09	1.05E-09	6.90E-06	2.18E-09	9.24E-10

3361	484363.09, 3848	6.31E-06	1.99E-09	8.45E-10	7.73E-06	2.44E-09	1.04E-09	6.78E-06	2.14E-09	9.08E-10
3362	484863.09, 3848	6.72E-06	2.12E-09	9.00E-10	8.23E-06	2.60E-09	1.10E-09	7.22E-06	2.28E-09	9.67E-10
3363	485363.09, 3848	6.36E-06	2.01E-09	8.51E-10	7.79E-06	2.46E-09	1.04E-09	6.83E-06	2.16E-09	9.15E-10
3364	485863.09, 3848	6.13E-06	1.93E-09	8.20E-10	7.50E-06	2.37E-09	1.00E-09	6.58E-06	2.08E-09	8.81E-10
3365	486363.09, 3848	5.71E-06	1.80E-09	7.64E-10	6.99E-06	2.21E-09	9.36E-10	6.13E-06	1.94E-09	8.21E-10
3366	486863.09, 3848	5.24E-06	1.65E-09	7.02E-10	6.42E-06	2.03E-09	8.60E-10	5.63E-06	1.78E-09	7.54E-10
3367	487363.09, 3848	4.73E-06	1.49E-09	6.34E-10	5.80E-06	1.83E-09	7.77E-10	5.09E-06	1.61E-09	6.81E-10
3368	487863.09, 3848	4.62E-06	1.46E-09	6.19E-10	5.66E-06	1.79E-09	7.58E-10	4.96E-06	1.57E-09	6.65E-10
3369	488363.09, 3848	4.50E-06	1.42E-09	6.02E-10	5.51E-06	1.74E-09	7.38E-10	4.83E-06	1.53E-09	6.47E-10
3370	488863.09, 3848	4.53E-06	1.43E-09	6.07E-10	5.55E-06	1.75E-09	7.44E-10	4.87E-06	1.54E-09	6.52E-10
3371	489363.09, 3848	4.69E-06	1.48E-09	6.28E-10	5.75E-06	1.81E-09	7.70E-10	5.04E-06	1.59E-09	6.75E-10
3372	489863.09, 3848	5.07E-06	1.60E-09	6.79E-10	6.21E-06	1.96E-09	8.32E-10	5.44E-06	1.72E-09	7.29E-10
3373	490363.09, 3848	5.08E-06	1.60E-09	6.80E-10	6.22E-06	1.96E-09	8.33E-10	5.45E-06	1.72E-09	7.30E-10
3374	490863.09, 3848	4.93E-06	1.56E-09	6.60E-10	6.04E-06	1.91E-09	8.08E-10	5.29E-06	1.67E-09	7.09E-10
3375	491363.09, 3848	4.92E-06	1.55E-09	6.59E-10	6.03E-06	1.90E-09	8.07E-10	5.29E-06	1.67E-09	7.08E-10
3376	491863.09, 3848	5.04E-06	1.59E-09	6.76E-10	6.18E-06	1.95E-09	8.27E-10	5.42E-06	1.71E-09	7.25E-10
3377	492363.09, 3848	4.96E-06	1.57E-09	6.64E-10	6.07E-06	1.92E-09	8.13E-10	5.33E-06	1.68E-09	7.13E-10
3378	492863.09, 3848	4.84E-06	1.53E-09	6.48E-10	5.93E-06	1.87E-09	7.94E-10	5.20E-06	1.64E-09	6.96E-10
3379	493363.09, 3848	4.99E-06	1.57E-09	6.68E-10	6.11E-06	1.93E-09	8.18E-10	5.36E-06	1.69E-09	7.17E-10
3380	493863.09, 3848	5.18E-06	1.63E-09	6.93E-10	6.34E-06	2.00E-09	8.49E-10	5.56E-06	1.75E-09	7.44E-10
3381	494363.09, 3848	5.37E-06	1.69E-09	7.19E-10	6.57E-06	2.07E-09	8.80E-10	5.76E-06	1.82E-09	7.71E-10
3382	494863.09, 3848	5.72E-06	1.81E-09	7.66E-10	7.01E-06	2.21E-09	9.38E-10	6.14E-06	1.94E-09	8.22E-10
3383	495363.09, 3848	5.67E-06	1.79E-09	7.60E-10	6.95E-06	2.19E-09	9.31E-10	6.09E-06	1.92E-09	8.16E-10
3384	495863.09, 3848	5.95E-06	1.88E-09	7.97E-10	7.29E-06	2.30E-09	9.76E-10	6.39E-06	2.02E-09	8.56E-10
3385	496363.09, 3848	6.64E-06	2.10E-09	8.90E-10	8.14E-06	2.57E-09	1.09E-09	7.13E-06	2.25E-09	9.55E-10
3386	496863.09, 3848	6.84E-06	2.16E-09	9.16E-10	8.38E-06	2.64E-09	1.12E-09	7.34E-06	2.32E-09	9.83E-10
3387	497363.09, 3848	7.86E-06	2.48E-09	1.05E-09	9.63E-06	3.04E-09	1.29E-09	8.44E-06	2.66E-09	1.13E-09
3388	497863.09, 3848	1.07E-05	3.39E-09	1.44E-09	1.31E-05	4.15E-09	1.76E-09	1.15E-05	3.64E-09	1.54E-09
3389	498363.09, 3848	1.14E-05	3.61E-09	1.53E-09	1.40E-05	4.42E-09	1.87E-09	1.23E-05	3.87E-09	1.64E-09
3390	471363.09, 3848	1.34E-05	4.23E-09	1.79E-09	1.64E-05	5.18E-09	2.20E-09	1.44E-05	4.54E-09	1.93E-09
3391	471863.09, 3848	1.44E-05	4.56E-09	1.93E-09	1.77E-05	5.58E-09	2.37E-09	1.55E-05	4.89E-09	2.08E-09
3392	472363.09, 3848	1.54E-05	4.86E-09	2.06E-09	1.89E-05	5.96E-09	2.53E-09	1.66E-05	5.23E-09	2.22E-09
3393	472863.09, 3848	1.63E-05	5.13E-09	2.18E-09	1.99E-05	6.29E-09	2.67E-09	1.75E-05	5.51E-09	2.34E-09
3394	473363.09, 3848	1.70E-05	5.35E-09	2.27E-09	2.08E-05	6.55E-09	2.78E-09	1.82E-05	5.75E-09	2.44E-09
3395	473863.09, 3848	1.74E-05	5.48E-09	2.32E-09	2.13E-05	6.71E-09	2.85E-09	1.87E-05	5.89E-09	2.50E-09
3396	474363.09, 3848	1.78E-05	5.63E-09	2.39E-09	2.18E-05	6.90E-09	2.93E-09	1.92E-05	6.05E-09	2.57E-09
3397	474863.09, 3848	1.72E-05	5.44E-09	2.31E-09	2.11E-05	6.66E-09	2.82E-09	1.85E-05	5.84E-09	2.48E-09
3398	475363.09, 3848	1.68E-05	5.31E-09	2.25E-09	2.06E-05	6.51E-09	2.76E-09	1.81E-05	5.71E-09	2.42E-09
3399	475863.09, 3848	1.71E-05	5.41E-09	2.29E-09	2.10E-05	6.62E-09	2.81E-09	1.84E-05	5.81E-09	2.46E-09
3400	476363.09, 3848	1.62E-05	5.11E-09	2.17E-09	1.98E-05	6.26E-09	2.66E-09	1.74E-05	5.49E-09	2.33E-09
3401	476863.09, 3848	1.49E-05	4.71E-09	2.00E-09	1.83E-05	5.76E-09	2.45E-09	1.60E-05	5.06E-09	2.14E-09
3402	477363.09, 3848	1.77E-05	5.58E-09	2.37E-09	2.17E-05	6.83E-09	2.90E-09	1.90E-05	5.99E-09	2.54E-09
3403	477863.09, 3848	2.08E-05	6.56E-09	2.78E-09	2.54E-05	8.03E-09	3.41E-09	2.23E-05	7.04E-09	2.99E-09
3404	478363.09, 3848	2.50E-05	7.88E-09	3.34E-09	3.06E-05	9.66E-09	4.10E-09	2.68E-05	8.47E-09	3.59E-09
3405	478863.09, 3848	2.44E-05	7.69E-09	3.26E-09	2.99E-05	9.42E-09	4.00E-09	2.62E-05	8.26E-09	3.51E-09
3406	479363.09, 3848	1.98E-05	6.25E-09	2.65E-09	2.43E-05	7.66E-09	3.25E-09	2.13E-05	6.72E-09	2.85E-09
3407	479863.09, 3848	1.43E-05	4.51E-09	1.91E-09	1.75E-05	5.52E-09	2.34E-09	1.53E-05	4.84E-09	2.05E-09
3408	480363.09, 3848	1.36E-05	4.28E-09	1.81E-09	1.66E-05	5.24E-09	2.22E-09	1.46E-05	4.60E-09	1.95E-09
3409	480863.09, 3848	1.39E-05	4.38E-09	1.86E-09	1.70E-05	5.37E-09	2.28E-09	1.49E-05	4.71E-09	2.00E-09
3410	481363.09, 3848	1.27E-05	4.00E-09	1.70E-09	1.55E-05	4.91E-09	2.08E-09	1.36E-05	4.30E-09	1.83E-09
3411	481863.09, 3848	1.05E-05	3.32E-09	1.41E-09	1.29E-05	4.07E-09	1.72E-09	1.13E-05	3.57E-09	1.51E-09
3412	482363.09, 3848	8.64E-06	2.73E-09	1.16E-09	1.06E-05	3.34E-09	1.42E-09	9.28E-06	2.93E-09	1.24E-09
3413	482863.09, 3848	7.13E-06	2.25E-09	9.54E-10	8.73E-06	2.76E-09	1.17E-09	7.66E-06	2.42E-09	1.03E-09
3414	483363.09, 3848	6.22E-06	1.96E-09	8.32E-10	7.61E-06	2.40E-09	1.02E-09	6.68E-06	2.11E-09	8.94E-10
3415	483863.09, 3848	6.08E-06	1.92E-09	8.14E-10	7.44E-06	2.35E-09	9.97E-10	6.53E-06	2.06E-09	8.74E-10
3416	484363.09, 3848	7.17E-06	2.26E-09	9.60E-10	8.78E-06	2.77E-09	1.18E-09	7.70E-06	2.43E-09	1.03E-09
3417	484863.09, 3848	8.20E-06	2.59E-09	1.10E-09	1.00E-05	3.17E-09	1.34E-09	8.81E-06	2.78E-09	1.18E-09
3418	485363.09, 3848	7.68E-06	2.42E-09	1.03E-09	9.40E-06	2.97E-09	1.26E-09	8.25E-06	2.61E-09	1.11E-09

3419	485863.09, 3848	7.29E-06	2.30E-09	9.77E-10	8.93E-06	2.82E-09	1.20E-09	7.83E-06	2.47E-09	1.05E-09
3420	486363.09, 3848	6.53E-06	2.06E-09	8.75E-10	8.00E-06	2.53E-09	1.07E-09	7.02E-06	2.22E-09	9.40E-10
3421	486863.09, 3848	5.80E-06	1.83E-09	7.77E-10	7.11E-06	2.24E-09	9.51E-10	6.23E-06	1.97E-09	8.35E-10
3422	487363.09, 3848	5.76E-06	1.82E-09	7.71E-10	7.06E-06	2.23E-09	9.45E-10	6.19E-06	1.95E-09	8.29E-10
3423	487863.09, 3848	5.48E-06	1.73E-09	7.34E-10	6.71E-06	2.12E-09	8.99E-10	5.89E-06	1.86E-09	7.88E-10
3424	488363.09, 3848	5.46E-06	1.72E-09	7.31E-10	6.69E-06	2.11E-09	8.96E-10	5.87E-06	1.85E-09	7.86E-10
3425	488863.09, 3848	5.49E-06	1.73E-09	7.35E-10	6.72E-06	2.12E-09	9.00E-10	5.89E-06	1.86E-09	7.89E-10
3426	489363.09, 3848	5.77E-06	1.82E-09	7.73E-10	7.07E-06	2.23E-09	9.47E-10	6.20E-06	1.96E-09	8.30E-10
3427	489863.09, 3848	6.07E-06	1.92E-09	8.13E-10	7.44E-06	2.35E-09	9.96E-10	6.52E-06	2.06E-09	8.73E-10
3428	490363.09, 3848	5.90E-06	1.86E-09	7.90E-10	7.23E-06	2.28E-09	9.68E-10	6.33E-06	2.00E-09	8.48E-10
3429	490863.09, 3848	5.81E-06	1.83E-09	7.78E-10	7.11E-06	2.24E-09	9.52E-10	6.24E-06	1.97E-09	8.35E-10
3430	491363.09, 3848	5.89E-06	1.86E-09	7.88E-10	7.21E-06	2.28E-09	9.66E-10	6.32E-06	2.00E-09	8.47E-10
3431	491863.09, 3848	5.73E-06	1.81E-09	7.67E-10	7.02E-06	2.21E-09	9.39E-10	6.15E-06	1.94E-09	8.24E-10
3432	492363.09, 3848	5.59E-06	1.76E-09	7.48E-10	6.85E-06	2.16E-09	9.17E-10	6.00E-06	1.89E-09	8.04E-10
3433	492863.09, 3848	5.42E-06	1.71E-09	7.26E-10	6.64E-06	2.10E-09	8.90E-10	5.82E-06	1.84E-09	7.80E-10
3434	493363.09, 3848	5.30E-06	1.67E-09	7.10E-10	6.49E-06	2.05E-09	8.69E-10	5.69E-06	1.80E-09	7.62E-10
3435	493863.09, 3848	5.72E-06	1.81E-09	7.66E-10	7.01E-06	2.21E-09	9.39E-10	6.14E-06	1.94E-09	8.22E-10
3436	494363.09, 3848	6.02E-06	1.90E-09	8.06E-10	7.37E-06	2.33E-09	9.87E-10	6.46E-06	2.04E-09	8.65E-10
3437	494863.09, 3848	6.55E-06	2.07E-09	8.77E-10	8.02E-06	2.53E-09	1.07E-09	7.03E-06	2.22E-09	9.41E-10
3438	495363.09, 3848	7.02E-06	2.22E-09	9.40E-10	8.60E-06	2.71E-09	1.15E-09	7.54E-06	2.38E-09	1.01E-09
3439	495863.09, 3848	6.86E-06	2.17E-09	9.19E-10	8.40E-06	2.65E-09	1.13E-09	7.37E-06	2.32E-09	9.86E-10
3440	496363.09, 3848	7.29E-06	2.30E-09	9.77E-10	8.93E-06	2.82E-09	1.20E-09	7.83E-06	2.47E-09	1.05E-09
3441	496863.09, 3848	8.40E-06	2.65E-09	1.12E-09	1.03E-05	3.25E-09	1.38E-09	9.01E-06	2.84E-09	1.21E-09
3442	497363.09, 3848	1.08E-05	3.42E-09	1.45E-09	1.33E-05	4.19E-09	1.78E-09	1.16E-05	3.67E-09	1.56E-09
3443	497863.09, 3848	1.23E-05	3.89E-09	1.65E-09	1.51E-05	4.77E-09	2.02E-09	1.32E-05	4.18E-09	1.77E-09
3444	498363.09, 3848	1.36E-05	4.30E-09	1.83E-09	1.67E-05	5.27E-09	2.24E-09	1.46E-05	4.62E-09	1.96E-09
3445	471363.09, 3849	1.29E-05	4.09E-09	1.73E-09	1.59E-05	5.01E-09	2.12E-09	1.39E-05	4.39E-09	1.86E-09
3446	471863.09, 3849	1.42E-05	4.48E-09	1.90E-09	1.74E-05	5.49E-09	2.33E-09	1.52E-05	4.81E-09	2.04E-09
3447	472363.09, 3849	1.53E-05	4.82E-09	2.05E-09	1.87E-05	5.91E-09	2.51E-09	1.64E-05	5.18E-09	2.20E-09
3448	472863.09, 3849	1.64E-05	5.18E-09	2.20E-09	2.01E-05	6.35E-09	2.69E-09	1.76E-05	5.57E-09	2.36E-09
3449	473363.09, 3849	1.75E-05	5.52E-09	2.34E-09	2.14E-05	6.76E-09	2.87E-09	1.88E-05	5.93E-09	2.52E-09
3450	473863.09, 3849	1.85E-05	5.84E-09	2.48E-09	2.27E-05	7.15E-09	3.03E-09	1.99E-05	6.27E-09	2.66E-09
3451	474363.09, 3849	1.93E-05	6.09E-09	2.58E-09	2.36E-05	7.46E-09	3.16E-09	2.07E-05	6.54E-09	2.77E-09
3452	474863.09, 3849	2.00E-05	6.31E-09	2.68E-09	2.45E-05	7.72E-09	3.28E-09	2.15E-05	6.77E-09	2.87E-09
3453	475363.09, 3849	2.02E-05	6.38E-09	2.71E-09	2.48E-05	7.82E-09	3.32E-09	2.17E-05	6.86E-09	2.91E-09
3454	475863.09, 3849	2.07E-05	6.53E-09	2.77E-09	2.53E-05	7.99E-09	3.39E-09	2.22E-05	7.01E-09	2.98E-09
3455	476363.09, 3849	2.08E-05	6.57E-09	2.79E-09	2.55E-05	8.05E-09	3.42E-09	2.24E-05	7.06E-09	3.00E-09
3456	476863.09, 3849	2.00E-05	6.32E-09	2.68E-09	2.45E-05	7.74E-09	3.29E-09	2.15E-05	6.79E-09	2.88E-09
3457	477363.09, 3849	1.88E-05	5.94E-09	2.52E-09	2.30E-05	7.27E-09	3.09E-09	2.02E-05	6.38E-09	2.71E-09
3458	477863.09, 3849	1.94E-05	6.12E-09	2.60E-09	2.37E-05	7.49E-09	3.18E-09	2.08E-05	6.57E-09	2.79E-09
3459	478363.09, 3849	2.37E-05	7.48E-09	3.18E-09	2.90E-05	9.17E-09	3.89E-09	2.55E-05	8.04E-09	3.41E-09
3460	478863.09, 3849	2.75E-05	8.67E-09	3.68E-09	3.36E-05	1.06E-08	4.51E-09	2.95E-05	9.31E-09	3.95E-09
3461	479363.09, 3849	2.74E-05	8.64E-09	3.67E-09	3.35E-05	1.06E-08	4.49E-09	2.94E-05	9.28E-09	3.94E-09
3462	479863.09, 3849	2.13E-05	6.74E-09	2.86E-09	2.61E-05	8.25E-09	3.50E-09	2.29E-05	7.24E-09	3.07E-09
3463	480363.09, 3849	2.11E-05	6.64E-09	2.82E-09	2.58E-05	8.14E-09	3.45E-09	2.26E-05	7.14E-09	3.03E-09
3464	480863.09, 3849	1.84E-05	5.82E-09	2.47E-09	2.26E-05	7.13E-09	3.02E-09	1.98E-05	6.25E-09	2.65E-09
3465	481363.09, 3849	1.52E-05	4.81E-09	2.04E-09	1.87E-05	5.89E-09	2.50E-09	1.64E-05	5.16E-09	2.19E-09
3466	481863.09, 3849	1.02E-05	3.22E-09	1.37E-09	1.25E-05	3.95E-09	1.68E-09	1.10E-05	3.46E-09	1.47E-09
3467	482363.09, 3849	8.78E-06	2.77E-09	1.18E-09	1.08E-05	3.39E-09	1.44E-09	9.43E-06	2.98E-09	1.26E-09
3468	482863.09, 3849	7.12E-06	2.25E-09	9.54E-10	8.73E-06	2.75E-09	1.17E-09	7.65E-06	2.42E-09	1.02E-09
3469	483363.09, 3849	6.46E-06	2.04E-09	8.65E-10	7.91E-06	2.50E-09	1.06E-09	6.94E-06	2.19E-09	9.29E-10
3470	483863.09, 3849	5.54E-06	1.75E-09	7.42E-10	6.78E-06	2.14E-09	9.09E-10	5.95E-06	1.88E-09	7.97E-10
3471	484363.09, 3849	7.99E-06	2.52E-09	1.07E-09	9.78E-06	3.09E-09	1.31E-09	8.58E-06	2.71E-09	1.15E-09
3472	484863.09, 3849	9.81E-06	3.10E-09	1.31E-09	1.20E-05	3.79E-09	1.61E-09	1.05E-05	3.33E-09	1.41E-09
3473	485363.09, 3849	9.32E-06	2.94E-09	1.25E-09	1.14E-05	3.60E-09	1.53E-09	1.00E-05	3.16E-09	1.34E-09
3474	485863.09, 3849	6.98E-06	2.20E-09	9.34E-10	8.55E-06	2.70E-09	1.14E-09	7.49E-06	2.36E-09	1.00E-09
3475	486363.09, 3849	5.73E-06	1.81E-09	7.67E-10	7.02E-06	2.22E-09	9.40E-10	6.16E-06	1.94E-09	8.24E-10
3476	486863.09, 3849	6.70E-06	2.11E-09	8.97E-10	8.20E-06	2.59E-09	1.10E-09	7.20E-06	2.27E-09	9.64E-10

3477	487363.09, 3849	6.89E-06	2.17E-09	9.22E-10	8.44E-06	2.66E-09	1.13E-09	7.40E-06	2.33E-09	9.91E-10
3478	487863.09, 3849	6.65E-06	2.10E-09	8.90E-10	8.14E-06	2.57E-09	1.09E-09	7.14E-06	2.25E-09	9.57E-10
3479	488363.09, 3849	6.69E-06	2.11E-09	8.96E-10	8.19E-06	2.59E-09	1.10E-09	7.18E-06	2.27E-09	9.62E-10
3480	488863.09, 3849	6.96E-06	2.20E-09	9.32E-10	8.52E-06	2.69E-09	1.14E-09	7.47E-06	2.36E-09	1.00E-09
3481	489363.09, 3849	7.21E-06	2.28E-09	9.66E-10	8.84E-06	2.79E-09	1.18E-09	7.74E-06	2.44E-09	1.04E-09
3482	489863.09, 3849	7.28E-06	2.30E-09	9.75E-10	8.91E-06	2.81E-09	1.19E-09	7.82E-06	2.47E-09	1.05E-09
3483	490363.09, 3849	7.05E-06	2.23E-09	9.44E-10	8.64E-06	2.73E-09	1.16E-09	7.57E-06	2.39E-09	1.01E-09
3484	490863.09, 3849	7.04E-06	2.22E-09	9.43E-10	8.62E-06	2.72E-09	1.15E-09	7.56E-06	2.39E-09	1.01E-09
3485	491363.09, 3849	7.10E-06	2.24E-09	9.51E-10	8.70E-06	2.75E-09	1.16E-09	7.63E-06	2.41E-09	1.02E-09
3486	491863.09, 3849	6.94E-06	2.19E-09	9.30E-10	8.51E-06	2.69E-09	1.14E-09	7.46E-06	2.35E-09	9.99E-10
3487	492363.09, 3849	6.86E-06	2.17E-09	9.19E-10	8.41E-06	2.65E-09	1.13E-09	7.37E-06	2.33E-09	9.87E-10
3488	492863.09, 3849	6.46E-06	2.04E-09	8.65E-10	7.91E-06	2.50E-09	1.06E-09	6.94E-06	2.19E-09	9.29E-10
3489	493363.09, 3849	6.59E-06	2.08E-09	8.83E-10	8.07E-06	2.55E-09	1.08E-09	7.08E-06	2.23E-09	9.47E-10
3490	493863.09, 3849	6.87E-06	2.17E-09	9.20E-10	8.42E-06	2.66E-09	1.13E-09	7.37E-06	2.33E-09	9.88E-10
3491	494363.09, 3849	7.46E-06	2.35E-09	9.99E-10	9.14E-06	2.88E-09	1.22E-09	8.01E-06	2.53E-09	1.07E-09
3492	494863.09, 3849	8.84E-06	2.79E-09	1.18E-09	1.08E-05	3.42E-09	1.45E-09	9.49E-06	2.99E-09	1.27E-09
3493	495363.09, 3849	9.62E-06	3.04E-09	1.29E-09	1.18E-05	3.72E-09	1.58E-09	1.03E-05	3.26E-09	1.38E-09
3494	495863.09, 3849	8.20E-06	2.59E-09	1.10E-09	1.00E-05	3.17E-09	1.35E-09	8.81E-06	2.78E-09	1.18E-09
3495	496363.09, 3849	8.34E-06	2.63E-09	1.12E-09	1.02E-05	3.23E-09	1.37E-09	8.96E-06	2.83E-09	1.20E-09
3496	496863.09, 3849	1.12E-05	3.55E-09	1.50E-09	1.38E-05	4.34E-09	1.84E-09	1.21E-05	3.81E-09	1.62E-09
3497	497363.09, 3849	1.26E-05	3.97E-09	1.69E-09	1.54E-05	4.87E-09	2.07E-09	1.35E-05	4.27E-09	1.81E-09
3498	497863.09, 3849	1.67E-05	5.26E-09	2.23E-09	2.04E-05	6.44E-09	2.73E-09	1.79E-05	5.65E-09	2.40E-09
3499	498363.09, 3849	1.65E-05	5.21E-09	2.21E-09	2.02E-05	6.38E-09	2.71E-09	1.77E-05	5.60E-09	2.37E-09
3500	471363.09, 3849	1.20E-05	3.78E-09	1.60E-09	1.47E-05	4.63E-09	1.96E-09	1.29E-05	4.06E-09	1.72E-09
3501	471863.09, 3849	1.35E-05	4.26E-09	1.81E-09	1.65E-05	5.22E-09	2.21E-09	1.45E-05	4.58E-09	1.94E-09
3502	472363.09, 3849	1.50E-05	4.73E-09	2.01E-09	1.84E-05	5.79E-09	2.46E-09	1.61E-05	5.08E-09	2.16E-09
3503	472863.09, 3849	1.63E-05	5.15E-09	2.19E-09	2.00E-05	6.31E-09	2.68E-09	1.75E-05	5.54E-09	2.35E-09
3504	473363.09, 3849	1.74E-05	5.50E-09	2.34E-09	2.14E-05	6.74E-09	2.86E-09	1.87E-05	5.91E-09	2.51E-09
3505	473863.09, 3849	1.88E-05	5.93E-09	2.52E-09	2.30E-05	7.26E-09	3.08E-09	2.02E-05	6.37E-09	2.70E-09
3506	474363.09, 3849	2.01E-05	6.36E-09	2.70E-09	2.47E-05	7.79E-09	3.30E-09	2.16E-05	6.83E-09	2.90E-09
3507	474863.09, 3849	2.13E-05	6.73E-09	2.86E-09	2.61E-05	8.24E-09	3.50E-09	2.29E-05	7.23E-09	3.07E-09
3508	475363.09, 3849	2.22E-05	7.00E-09	2.97E-09	2.72E-05	8.57E-09	3.64E-09	2.38E-05	7.52E-09	3.19E-09
3509	475863.09, 3849	2.29E-05	7.24E-09	3.07E-09	2.81E-05	8.87E-09	3.76E-09	2.46E-05	7.78E-09	3.30E-09
3510	476363.09, 3849	2.35E-05	7.42E-09	3.15E-09	2.88E-05	9.09E-09	3.86E-09	2.53E-05	7.97E-09	3.38E-09
3511	476863.09, 3849	2.41E-05	7.62E-09	3.23E-09	2.96E-05	9.33E-09	3.96E-09	2.59E-05	8.18E-09	3.47E-09
3512	477363.09, 3849	2.43E-05	7.68E-09	3.26E-09	2.98E-05	9.40E-09	3.99E-09	2.61E-05	8.25E-09	3.50E-09
3513	477863.09, 3849	2.32E-05	7.33E-09	3.11E-09	2.85E-05	8.98E-09	3.81E-09	2.50E-05	7.88E-09	3.34E-09
3514	478363.09, 3849	2.32E-05	7.31E-09	3.10E-09	2.84E-05	8.96E-09	3.80E-09	2.49E-05	7.86E-09	3.33E-09
3515	478863.09, 3849	2.80E-05	8.85E-09	3.75E-09	3.43E-05	1.08E-08	4.60E-09	3.01E-05	9.51E-09	4.03E-09
3516	479363.09, 3849	3.24E-05	1.02E-08	4.33E-09	3.96E-05	1.25E-08	5.31E-09	3.48E-05	1.10E-08	4.65E-09
3517	479863.09, 3849	3.36E-05	1.06E-08	4.50E-09	4.12E-05	1.30E-08	5.51E-09	3.61E-05	1.14E-08	4.83E-09
3518	480363.09, 3849	2.76E-05	8.73E-09	3.70E-09	3.39E-05	1.07E-08	4.54E-09	2.97E-05	9.37E-09	3.98E-09
3519	480863.09, 3849	2.18E-05	6.89E-09	2.92E-09	2.67E-05	8.44E-09	3.58E-09	2.34E-05	7.40E-09	3.14E-09
3520	481363.09, 3849	1.85E-05	5.84E-09	2.48E-09	2.27E-05	7.16E-09	3.04E-09	1.99E-05	6.28E-09	2.66E-09
3521	481863.09, 3849	1.15E-05	3.64E-09	1.54E-09	1.41E-05	4.45E-09	1.89E-09	1.24E-05	3.91E-09	1.66E-09
3522	482363.09, 3849	8.94E-06	2.82E-09	1.20E-09	1.10E-05	3.46E-09	1.47E-09	9.61E-06	3.03E-09	1.29E-09
3523	482863.09, 3849	7.67E-06	2.42E-09	1.03E-09	9.40E-06	2.97E-09	1.26E-09	8.24E-06	2.60E-09	1.10E-09
3524	483363.09, 3849	6.70E-06	2.11E-09	8.97E-10	8.20E-06	2.59E-09	1.10E-09	7.19E-06	2.27E-09	9.63E-10
3525	483863.09, 3849	6.60E-06	2.08E-09	8.84E-10	8.08E-06	2.55E-09	1.08E-09	7.09E-06	2.24E-09	9.50E-10
3526	484363.09, 3849	9.00E-06	2.84E-09	1.21E-09	1.10E-05	3.48E-09	1.48E-09	9.67E-06	3.05E-09	1.30E-09
3527	484863.09, 3849	1.23E-05	3.88E-09	1.65E-09	1.51E-05	4.75E-09	2.02E-09	1.32E-05	4.17E-09	1.77E-09
3528	485363.09, 3849	1.09E-05	3.42E-09	1.45E-09	1.33E-05	4.20E-09	1.78E-09	1.17E-05	3.68E-09	1.56E-09
3529	485863.09, 3849	8.94E-06	2.82E-09	1.20E-09	1.10E-05	3.46E-09	1.47E-09	9.60E-06	3.03E-09	1.29E-09
3530	486363.09, 3849	8.02E-06	2.53E-09	1.07E-09	9.82E-06	3.10E-09	1.32E-09	8.62E-06	2.72E-09	1.15E-09
3531	486863.09, 3849	8.74E-06	2.76E-09	1.17E-09	1.07E-05	3.38E-09	1.43E-09	9.39E-06	2.96E-09	1.26E-09
3532	487363.09, 3849	8.59E-06	2.71E-09	1.15E-09	1.05E-05	3.32E-09	1.41E-09	9.22E-06	2.91E-09	1.24E-09
3533	487863.09, 3849	8.37E-06	2.64E-09	1.12E-09	1.03E-05	3.24E-09	1.37E-09	8.99E-06	2.84E-09	1.20E-09
3534	488363.09, 3849	8.59E-06	2.71E-09	1.15E-09	1.05E-05	3.32E-09	1.41E-09	9.22E-06	2.91E-09	1.23E-09

3535	488863.09, 3849	8.93E-06	2.82E-09	1.20E-09	1.09E-05	3.45E-09	1.46E-09	9.59E-06	3.03E-09	1.28E-09
3536	489363.09, 3849	9.05E-06	2.86E-09	1.21E-09	1.11E-05	3.50E-09	1.48E-09	9.72E-06	3.07E-09	1.30E-09
3537	489863.09, 3849	8.98E-06	2.83E-09	1.20E-09	1.10E-05	3.47E-09	1.47E-09	9.65E-06	3.04E-09	1.29E-09
3538	490363.09, 3849	8.76E-06	2.77E-09	1.17E-09	1.07E-05	3.39E-09	1.44E-09	9.42E-06	2.97E-09	1.26E-09
3539	490863.09, 3849	8.90E-06	2.81E-09	1.19E-09	1.09E-05	3.44E-09	1.46E-09	9.56E-06	3.02E-09	1.28E-09
3540	491363.09, 3849	9.11E-06	2.88E-09	1.22E-09	1.12E-05	3.52E-09	1.49E-09	9.79E-06	3.09E-09	1.31E-09
3541	491863.09, 3849	8.97E-06	2.83E-09	1.20E-09	1.10E-05	3.47E-09	1.47E-09	9.63E-06	3.04E-09	1.29E-09
3542	492363.09, 3849	8.98E-06	2.84E-09	1.20E-09	1.10E-05	3.47E-09	1.47E-09	9.65E-06	3.04E-09	1.29E-09
3543	492863.09, 3849	8.69E-06	2.74E-09	1.16E-09	1.06E-05	3.36E-09	1.42E-09	9.32E-06	2.94E-09	1.25E-09
3544	493363.09, 3849	8.44E-06	2.66E-09	1.13E-09	1.03E-05	3.26E-09	1.38E-09	9.06E-06	2.86E-09	1.21E-09
3545	493863.09, 3849	8.49E-06	2.68E-09	1.14E-09	1.04E-05	3.28E-09	1.39E-09	9.11E-06	2.88E-09	1.22E-09
3546	494363.09, 3849	1.05E-05	3.32E-09	1.41E-09	1.29E-05	4.07E-09	1.73E-09	1.13E-05	3.56E-09	1.51E-09
3547	494863.09, 3849	1.23E-05	3.87E-09	1.64E-09	1.50E-05	4.74E-09	2.01E-09	1.32E-05	4.16E-09	1.76E-09
3548	495363.09, 3849	1.13E-05	3.57E-09	1.51E-09	1.38E-05	4.37E-09	1.85E-09	1.21E-05	3.83E-09	1.63E-09
3549	495863.09, 3849	1.33E-05	4.21E-09	1.79E-09	1.63E-05	5.16E-09	2.19E-09	1.43E-05	4.52E-09	1.92E-09
3550	496363.09, 3849	1.44E-05	4.55E-09	1.93E-09	1.76E-05	5.57E-09	2.36E-09	1.55E-05	4.88E-09	2.07E-09
3551	496863.09, 3849	1.53E-05	4.83E-09	2.05E-09	1.88E-05	5.92E-09	2.51E-09	1.64E-05	5.19E-09	2.20E-09
3552	497363.09, 3849	1.86E-05	5.88E-09	2.50E-09	2.28E-05	7.21E-09	3.06E-09	2.00E-05	6.32E-09	2.68E-09
3553	497863.09, 3849	2.02E-05	6.38E-09	2.71E-09	2.48E-05	7.81E-09	3.32E-09	2.17E-05	6.85E-09	2.91E-09
3554	498363.09, 3849	1.98E-05	6.26E-09	2.66E-09	2.43E-05	7.67E-09	3.25E-09	2.13E-05	6.72E-09	2.85E-09
3555	471363.09, 3850	1.06E-05	3.33E-09	1.41E-09	1.29E-05	4.08E-09	1.73E-09	1.13E-05	3.58E-09	1.52E-09
3556	471863.09, 3850	1.31E-05	4.15E-09	1.76E-09	1.61E-05	5.08E-09	2.16E-09	1.41E-05	4.45E-09	1.89E-09
3557	472363.09, 3850	1.42E-05	4.48E-09	1.90E-09	1.74E-05	5.49E-09	2.33E-09	1.53E-05	4.81E-09	2.04E-09
3558	472863.09, 3850	1.61E-05	5.07E-09	2.15E-09	1.97E-05	6.21E-09	2.63E-09	1.72E-05	5.44E-09	2.31E-09
3559	473363.09, 3850	1.70E-05	5.38E-09	2.28E-09	2.09E-05	6.59E-09	2.80E-09	1.83E-05	5.78E-09	2.45E-09
3560	473863.09, 3850	1.86E-05	5.86E-09	2.49E-09	2.27E-05	7.18E-09	3.05E-09	1.99E-05	6.30E-09	2.67E-09
3561	474363.09, 3850	2.02E-05	6.37E-09	2.70E-09	2.47E-05	7.81E-09	3.31E-09	2.17E-05	6.85E-09	2.91E-09
3562	474863.09, 3850	2.18E-05	6.89E-09	2.92E-09	2.67E-05	8.44E-09	3.58E-09	2.34E-05	7.40E-09	3.14E-09
3563	475363.09, 3850	2.35E-05	7.41E-09	3.14E-09	2.87E-05	9.07E-09	3.85E-09	2.52E-05	7.96E-09	3.38E-09
3564	475863.09, 3850	2.49E-05	7.85E-09	3.33E-09	3.05E-05	9.61E-09	4.08E-09	2.67E-05	8.43E-09	3.58E-09
3565	476363.09, 3850	2.60E-05	8.19E-09	3.48E-09	3.18E-05	1.00E-08	4.26E-09	2.79E-05	8.80E-09	3.74E-09
3566	476863.09, 3850	2.69E-05	8.49E-09	3.60E-09	3.30E-05	1.04E-08	4.41E-09	2.89E-05	9.13E-09	3.87E-09
3567	477363.09, 3850	2.77E-05	8.76E-09	3.72E-09	3.40E-05	1.07E-08	4.55E-09	2.98E-05	9.41E-09	3.99E-09
3568	477863.09, 3850	2.81E-05	8.86E-09	3.76E-09	3.44E-05	1.09E-08	4.61E-09	3.02E-05	9.52E-09	4.04E-09
3569	478363.09, 3850	2.72E-05	8.57E-09	3.64E-09	3.33E-05	1.05E-08	4.46E-09	2.92E-05	9.21E-09	3.91E-09
3570	478863.09, 3850	2.86E-05	9.03E-09	3.83E-09	3.51E-05	1.11E-08	4.70E-09	3.08E-05	9.71E-09	4.12E-09
3571	479363.09, 3850	3.35E-05	1.06E-08	4.49E-09	4.11E-05	1.30E-08	5.50E-09	3.60E-05	1.14E-08	4.83E-09
3572	479863.09, 3850	3.83E-05	1.21E-08	5.13E-09	4.69E-05	1.48E-08	6.28E-09	4.11E-05	1.30E-08	5.51E-09
3573	480363.09, 3850	3.88E-05	1.22E-08	5.19E-09	4.75E-05	1.50E-08	6.36E-09	4.16E-05	1.31E-08	5.58E-09
3574	480863.09, 3850	3.54E-05	1.12E-08	4.73E-09	4.33E-05	1.37E-08	5.80E-09	3.80E-05	1.20E-08	5.09E-09
3575	481363.09, 3850	2.34E-05	7.40E-09	3.14E-09	2.87E-05	9.07E-09	3.85E-09	2.52E-05	7.95E-09	3.37E-09
3576	481863.09, 3850	2.14E-05	6.77E-09	2.87E-09	2.63E-05	8.29E-09	3.52E-09	2.30E-05	7.27E-09	3.08E-09
3577	482363.09, 3850	1.86E-05	5.87E-09	2.49E-09	2.28E-05	7.19E-09	3.05E-09	2.00E-05	6.31E-09	2.68E-09
3578	482863.09, 3850	1.20E-05	3.79E-09	1.61E-09	1.47E-05	4.64E-09	1.97E-09	1.29E-05	4.07E-09	1.73E-09
3579	483363.09, 3850	9.40E-06	2.97E-09	1.26E-09	1.15E-05	3.64E-09	1.54E-09	1.01E-05	3.19E-09	1.35E-09
3580	483863.09, 3850	1.02E-05	3.23E-09	1.37E-09	1.25E-05	3.95E-09	1.68E-09	1.10E-05	3.47E-09	1.47E-09
3581	484363.09, 3850	1.24E-05	3.91E-09	1.66E-09	1.52E-05	4.80E-09	2.03E-09	1.33E-05	4.21E-09	1.78E-09
3582	484863.09, 3850	1.49E-05	4.71E-09	2.00E-09	1.83E-05	5.77E-09	2.45E-09	1.61E-05	5.07E-09	2.15E-09
3583	485363.09, 3850	1.43E-05	4.53E-09	1.92E-09	1.76E-05	5.55E-09	2.35E-09	1.54E-05	4.87E-09	2.07E-09
3584	485863.09, 3850	1.26E-05	3.96E-09	1.68E-09	1.54E-05	4.85E-09	2.06E-09	1.35E-05	4.26E-09	1.81E-09
3585	486363.09, 3850	1.20E-05	3.78E-09	1.60E-09	1.47E-05	4.63E-09	1.96E-09	1.29E-05	4.06E-09	1.72E-09
3586	486863.09, 3850	1.16E-05	3.66E-09	1.55E-09	1.42E-05	4.49E-09	1.90E-09	1.25E-05	3.94E-09	1.67E-09
3587	487363.09, 3850	1.08E-05	3.42E-09	1.45E-09	1.33E-05	4.19E-09	1.78E-09	1.17E-05	3.68E-09	1.56E-09
3588	487863.09, 3850	1.11E-05	3.50E-09	1.48E-09	1.36E-05	4.29E-09	1.82E-09	1.19E-05	3.76E-09	1.59E-09
3589	488363.09, 3850	1.13E-05	3.56E-09	1.51E-09	1.38E-05	4.36E-09	1.85E-09	1.21E-05	3.82E-09	1.62E-09
3590	488863.09, 3850	1.15E-05	3.63E-09	1.54E-09	1.41E-05	4.45E-09	1.89E-09	1.24E-05	3.90E-09	1.66E-09
3591	489363.09, 3850	1.16E-05	3.67E-09	1.56E-09	1.43E-05	4.50E-09	1.91E-09	1.25E-05	3.95E-09	1.67E-09
3592	489863.09, 3850	1.14E-05	3.61E-09	1.53E-09	1.40E-05	4.42E-09	1.88E-09	1.23E-05	3.88E-09	1.65E-09

3593	490363.09, 3850	1.15E-05	3.62E-09	1.54E-09	1.41E-05	4.44E-09	1.88E-09	1.23E-05	3.89E-09	1.65E-09
3594	490863.09, 3850	1.19E-05	3.74E-09	1.59E-09	1.45E-05	4.58E-09	1.94E-09	1.27E-05	4.02E-09	1.71E-09
3595	491363.09, 3850	1.22E-05	3.84E-09	1.63E-09	1.49E-05	4.70E-09	2.00E-09	1.31E-05	4.12E-09	1.75E-09
3596	491863.09, 3850	1.20E-05	3.77E-09	1.60E-09	1.46E-05	4.62E-09	1.96E-09	1.28E-05	4.05E-09	1.72E-09
3597	492363.09, 3850	1.16E-05	3.65E-09	1.55E-09	1.42E-05	4.47E-09	1.90E-09	1.24E-05	3.92E-09	1.66E-09
3598	492863.09, 3850	1.16E-05	3.65E-09	1.55E-09	1.42E-05	4.47E-09	1.90E-09	1.24E-05	3.92E-09	1.66E-09
3599	493363.09, 3850	1.13E-05	3.56E-09	1.51E-09	1.38E-05	4.36E-09	1.85E-09	1.21E-05	3.82E-09	1.62E-09
3600	493863.09, 3850	1.27E-05	4.00E-09	1.70E-09	1.55E-05	4.90E-09	2.08E-09	1.36E-05	4.29E-09	1.82E-09
3601	494363.09, 3850	1.39E-05	4.40E-09	1.87E-09	1.71E-05	5.39E-09	2.29E-09	1.50E-05	4.72E-09	2.00E-09
3602	494863.09, 3850	1.60E-05	5.04E-09	2.14E-09	1.96E-05	6.17E-09	2.62E-09	1.71E-05	5.41E-09	2.30E-09
3603	495363.09, 3850	1.85E-05	5.83E-09	2.48E-09	2.26E-05	7.15E-09	3.03E-09	1.98E-05	6.26E-09	2.66E-09
3604	495863.09, 3850	1.80E-05	5.69E-09	2.41E-09	2.21E-05	6.96E-09	2.95E-09	1.93E-05	6.11E-09	2.59E-09
3605	496363.09, 3850	2.05E-05	6.48E-09	2.75E-09	2.52E-05	7.94E-09	3.37E-09	2.21E-05	6.96E-09	2.95E-09
3606	496863.09, 3850	2.30E-05	7.26E-09	3.08E-09	2.82E-05	8.89E-09	3.77E-09	2.47E-05	7.80E-09	3.31E-09
3607	497363.09, 3850	2.43E-05	7.66E-09	3.25E-09	2.97E-05	9.38E-09	3.98E-09	2.61E-05	8.22E-09	3.49E-09
3608	497863.09, 3850	2.44E-05	7.70E-09	3.27E-09	2.99E-05	9.43E-09	4.00E-09	2.62E-05	8.27E-09	3.51E-09
3609	498363.09, 3850	2.44E-05	7.71E-09	3.27E-09	2.99E-05	9.45E-09	4.01E-09	2.62E-05	8.28E-09	3.51E-09
3610	471363.09, 3850	1.31E-05	4.13E-09	1.75E-09	1.60E-05	5.06E-09	2.15E-09	1.41E-05	4.43E-09	1.88E-09
3611	471863.09, 3850	1.44E-05	4.55E-09	1.93E-09	1.77E-05	5.57E-09	2.36E-09	1.55E-05	4.89E-09	2.07E-09
3612	472363.09, 3850	1.60E-05	5.04E-09	2.14E-09	1.96E-05	6.18E-09	2.62E-09	1.72E-05	5.42E-09	2.30E-09
3613	472863.09, 3850	1.72E-05	5.43E-09	2.30E-09	2.11E-05	6.65E-09	2.82E-09	1.85E-05	5.83E-09	2.47E-09
3614	473363.09, 3850	1.68E-05	5.32E-09	2.26E-09	2.06E-05	6.51E-09	2.76E-09	1.81E-05	5.71E-09	2.42E-09
3615	473863.09, 3850	1.84E-05	5.80E-09	2.46E-09	2.25E-05	7.10E-09	3.01E-09	1.97E-05	6.23E-09	2.64E-09
3616	474363.09, 3850	2.05E-05	6.47E-09	2.74E-09	2.51E-05	7.92E-09	3.36E-09	2.20E-05	6.95E-09	2.95E-09
3617	474863.09, 3850	2.21E-05	6.97E-09	2.96E-09	2.71E-05	8.54E-09	3.62E-09	2.37E-05	7.49E-09	3.18E-09
3618	475363.09, 3850	2.38E-05	7.51E-09	3.19E-09	2.92E-05	9.20E-09	3.90E-09	2.56E-05	8.07E-09	3.42E-09
3619	475863.09, 3850	2.57E-05	8.12E-09	3.45E-09	3.15E-05	9.95E-09	4.22E-09	2.77E-05	8.73E-09	3.70E-09
3620	476363.09, 3850	2.77E-05	8.74E-09	3.71E-09	3.39E-05	1.07E-08	4.54E-09	2.97E-05	9.39E-09	3.98E-09
3621	476863.09, 3850	2.95E-05	9.30E-09	3.95E-09	3.61E-05	1.14E-08	4.83E-09	3.17E-05	1.00E-08	4.24E-09
3622	477363.09, 3850	3.10E-05	9.79E-09	4.15E-09	3.80E-05	1.20E-08	5.09E-09	3.33E-05	1.05E-08	4.46E-09
3623	477863.09, 3850	3.22E-05	1.02E-08	4.31E-09	3.94E-05	1.24E-08	5.28E-09	3.46E-05	1.09E-08	4.63E-09
3624	478363.09, 3850	3.29E-05	1.04E-08	4.41E-09	4.03E-05	1.27E-08	5.40E-09	3.54E-05	1.12E-08	4.73E-09
3625	478863.09, 3850	3.33E-05	1.05E-08	4.46E-09	4.08E-05	1.29E-08	5.46E-09	3.58E-05	1.13E-08	4.79E-09
3626	479363.09, 3850	3.41E-05	1.08E-08	4.57E-09	4.18E-05	1.32E-08	5.59E-09	3.67E-05	1.16E-08	4.91E-09
3627	479863.09, 3850	3.90E-05	1.23E-08	5.22E-09	4.77E-05	1.51E-08	6.39E-09	4.19E-05	1.32E-08	5.61E-09
3628	480363.09, 3850	4.60E-05	1.45E-08	6.16E-09	5.63E-05	1.78E-08	7.54E-09	4.94E-05	1.56E-08	6.62E-09
3629	480863.09, 3850	4.78E-05	1.51E-08	6.40E-09	5.86E-05	1.85E-08	7.84E-09	5.14E-05	1.62E-08	6.88E-09
3630	481363.09, 3850	4.33E-05	1.37E-08	5.79E-09	5.30E-05	1.67E-08	7.10E-09	4.65E-05	1.47E-08	6.23E-09
3631	481863.09, 3850	3.56E-05	1.12E-08	4.77E-09	4.36E-05	1.38E-08	5.84E-09	3.83E-05	1.21E-08	5.12E-09
3632	482363.09, 3850	2.77E-05	8.73E-09	3.71E-09	3.39E-05	1.07E-08	4.54E-09	2.97E-05	9.38E-09	3.98E-09
3633	482863.09, 3850	2.14E-05	6.77E-09	2.87E-09	2.63E-05	8.29E-09	3.52E-09	2.30E-05	7.27E-09	3.09E-09
3634	483363.09, 3850	1.60E-05	5.04E-09	2.14E-09	1.96E-05	6.18E-09	2.62E-09	1.72E-05	5.42E-09	2.30E-09
3635	483863.09, 3850	1.55E-05	4.89E-09	2.08E-09	1.90E-05	6.00E-09	2.54E-09	1.67E-05	5.26E-09	2.23E-09
3636	484363.09, 3850	1.80E-05	5.69E-09	2.41E-09	2.21E-05	6.97E-09	2.96E-09	1.94E-05	6.12E-09	2.60E-09
3637	484863.09, 3850	1.76E-05	5.54E-09	2.35E-09	2.15E-05	6.79E-09	2.88E-09	1.89E-05	5.96E-09	2.53E-09
3638	485363.09, 3850	1.84E-05	5.79E-09	2.46E-09	2.25E-05	7.10E-09	3.01E-09	1.97E-05	6.22E-09	2.64E-09
3639	485863.09, 3850	1.53E-05	4.83E-09	2.05E-09	1.87E-05	5.91E-09	2.51E-09	1.64E-05	5.19E-09	2.20E-09
3640	486363.09, 3850	1.57E-05	4.97E-09	2.11E-09	1.93E-05	6.09E-09	2.58E-09	1.69E-05	5.34E-09	2.26E-09
3641	486863.09, 3850	1.51E-05	4.76E-09	2.02E-09	1.85E-05	5.83E-09	2.47E-09	1.62E-05	5.11E-09	2.17E-09
3642	487363.09, 3850	1.44E-05	4.55E-09	1.93E-09	1.77E-05	5.57E-09	2.36E-09	1.55E-05	4.89E-09	2.07E-09
3643	487863.09, 3850	1.47E-05	4.63E-09	1.96E-09	1.80E-05	5.67E-09	2.40E-09	1.57E-05	4.97E-09	2.11E-09
3644	488363.09, 3850	1.50E-05	4.73E-09	2.01E-09	1.83E-05	5.79E-09	2.46E-09	1.61E-05	5.08E-09	2.16E-09
3645	488863.09, 3850	1.51E-05	4.78E-09	2.03E-09	1.85E-05	5.85E-09	2.48E-09	1.63E-05	5.13E-09	2.18E-09
3646	489363.09, 3850	1.54E-05	4.88E-09	2.07E-09	1.89E-05	5.97E-09	2.53E-09	1.66E-05	5.24E-09	2.22E-09
3647	489863.09, 3850	1.56E-05	4.93E-09	2.09E-09	1.91E-05	6.04E-09	2.56E-09	1.68E-05	5.29E-09	2.25E-09
3648	490363.09, 3850	1.63E-05	5.13E-09	2.18E-09	1.99E-05	6.28E-09	2.67E-09	1.75E-05	5.51E-09	2.34E-09
3649	490863.09, 3850	1.69E-05	5.32E-09	2.26E-09	2.07E-05	6.52E-09	2.77E-09	1.81E-05	5.71E-09	2.42E-09
3650	491363.09, 3850	1.68E-05	5.31E-09	2.25E-09	2.06E-05	6.51E-09	2.76E-09	1.81E-05	5.70E-09	2.42E-09

3651	491863.09, 3850	1.66E-05	5.23E-09	2.22E-09	2.03E-05	6.40E-09	2.72E-09	1.78E-05	5.61E-09	2.38E-09
3652	492363.09, 3850	1.64E-05	5.17E-09	2.19E-09	2.01E-05	6.34E-09	2.69E-09	1.76E-05	5.55E-09	2.36E-09
3653	492863.09, 3850	1.65E-05	5.20E-09	2.21E-09	2.02E-05	6.37E-09	2.70E-09	1.77E-05	5.58E-09	2.37E-09
3654	493363.09, 3850	1.70E-05	5.36E-09	2.27E-09	2.08E-05	6.56E-09	2.78E-09	1.82E-05	5.75E-09	2.44E-09
3655	493863.09, 3850	1.90E-05	6.00E-09	2.55E-09	2.33E-05	7.35E-09	3.12E-09	2.04E-05	6.44E-09	2.73E-09
3656	494363.09, 3850	2.02E-05	6.37E-09	2.70E-09	2.47E-05	7.81E-09	3.31E-09	2.17E-05	6.84E-09	2.90E-09
3657	494863.09, 3850	2.26E-05	7.13E-09	3.03E-09	2.77E-05	8.74E-09	3.71E-09	2.43E-05	7.66E-09	3.25E-09
3658	495363.09, 3850	2.52E-05	7.96E-09	3.38E-09	3.09E-05	9.76E-09	4.14E-09	2.71E-05	8.55E-09	3.63E-09
3659	495863.09, 3850	2.59E-05	8.19E-09	3.47E-09	3.18E-05	1.00E-08	4.25E-09	2.79E-05	8.79E-09	3.73E-09
3660	496363.09, 3850	2.75E-05	8.68E-09	3.68E-09	3.37E-05	1.06E-08	4.51E-09	2.95E-05	9.32E-09	3.95E-09
3661	496863.09, 3850	3.00E-05	9.46E-09	4.01E-09	3.67E-05	1.16E-08	4.92E-09	3.22E-05	1.02E-08	4.31E-09
3662	497363.09, 3850	3.03E-05	9.56E-09	4.06E-09	3.71E-05	1.17E-08	4.97E-09	3.25E-05	1.03E-08	4.36E-09
3663	497863.09, 3850	2.99E-05	9.43E-09	4.00E-09	3.66E-05	1.16E-08	4.90E-09	3.21E-05	1.01E-08	4.30E-09
3664	498363.09, 3850	2.94E-05	9.28E-09	3.94E-09	3.60E-05	1.14E-08	4.82E-09	3.16E-05	9.97E-09	4.23E-09
3665	471363.09, 3851	1.40E-05	4.41E-09	1.87E-09	1.71E-05	5.41E-09	2.29E-09	1.50E-05	4.74E-09	2.01E-09
3666	471863.09, 3851	1.67E-05	5.27E-09	2.23E-09	2.04E-05	6.45E-09	2.74E-09	1.79E-05	5.66E-09	2.40E-09
3667	472363.09, 3851	1.72E-05	5.44E-09	2.31E-09	2.11E-05	6.66E-09	2.83E-09	1.85E-05	5.84E-09	2.48E-09
3668	472863.09, 3851	1.79E-05	5.63E-09	2.39E-09	2.19E-05	6.90E-09	2.93E-09	1.92E-05	6.05E-09	2.57E-09
3669	473363.09, 3851	1.70E-05	5.37E-09	2.28E-09	2.08E-05	6.58E-09	2.79E-09	1.83E-05	5.76E-09	2.45E-09
3670	473863.09, 3851	1.79E-05	5.65E-09	2.40E-09	2.19E-05	6.92E-09	2.94E-09	1.92E-05	6.07E-09	2.57E-09
3671	474363.09, 3851	2.02E-05	6.39E-09	2.71E-09	2.48E-05	7.82E-09	3.32E-09	2.17E-05	6.86E-09	2.91E-09
3672	474863.09, 3851	2.21E-05	6.98E-09	2.96E-09	2.71E-05	8.55E-09	3.63E-09	2.37E-05	7.50E-09	3.18E-09
3673	475363.09, 3851	2.42E-05	7.62E-09	3.23E-09	2.96E-05	9.34E-09	3.96E-09	2.60E-05	8.19E-09	3.48E-09
3674	475863.09, 3851	2.60E-05	8.22E-09	3.49E-09	3.19E-05	1.01E-08	4.27E-09	2.80E-05	8.83E-09	3.75E-09
3675	476363.09, 3851	2.82E-05	8.90E-09	3.78E-09	3.45E-05	1.09E-08	4.63E-09	3.03E-05	9.56E-09	4.06E-09
3676	476863.09, 3851	3.02E-05	9.54E-09	4.05E-09	3.70E-05	1.17E-08	4.96E-09	3.25E-05	1.02E-08	4.35E-09
3677	477363.09, 3851	3.32E-05	1.05E-08	4.45E-09	4.07E-05	1.28E-08	5.45E-09	3.57E-05	1.13E-08	4.78E-09
3678	477863.09, 3851	3.56E-05	1.12E-08	4.77E-09	4.36E-05	1.38E-08	5.84E-09	3.83E-05	1.21E-08	5.13E-09
3679	478363.09, 3851	3.75E-05	1.18E-08	5.03E-09	4.60E-05	1.45E-08	6.16E-09	4.03E-05	1.27E-08	5.40E-09
3680	478863.09, 3851	3.89E-05	1.23E-08	5.22E-09	4.77E-05	1.51E-08	6.39E-09	4.19E-05	1.32E-08	5.60E-09
3681	479363.09, 3851	3.97E-05	1.25E-08	5.31E-09	4.86E-05	1.53E-08	6.51E-09	4.26E-05	1.35E-08	5.71E-09
3682	479863.09, 3851	4.07E-05	1.29E-08	5.45E-09	4.99E-05	1.57E-08	6.68E-09	4.38E-05	1.38E-08	5.86E-09
3683	480363.09, 3851	4.64E-05	1.46E-08	6.22E-09	5.69E-05	1.79E-08	7.61E-09	4.99E-05	1.57E-08	6.68E-09
3684	480863.09, 3851	5.47E-05	1.73E-08	7.33E-09	6.71E-05	2.12E-08	8.98E-09	5.88E-05	1.86E-08	7.88E-09
3685	481363.09, 3851	5.76E-05	1.82E-08	7.72E-09	7.06E-05	2.23E-08	9.45E-09	6.19E-05	1.95E-08	8.29E-09
3686	481863.09, 3851	5.12E-05	1.62E-08	6.86E-09	6.27E-05	1.98E-08	8.40E-09	5.50E-05	1.74E-08	7.37E-09
3687	482363.09, 3851	4.42E-05	1.40E-08	5.93E-09	5.42E-05	1.71E-08	7.26E-09	4.75E-05	1.50E-08	6.37E-09
3688	482863.09, 3851	3.44E-05	1.08E-08	4.60E-09	4.21E-05	1.33E-08	5.64E-09	3.69E-05	1.17E-08	4.95E-09
3689	483363.09, 3851	2.44E-05	7.69E-09	3.26E-09	2.98E-05	9.42E-09	4.00E-09	2.62E-05	8.26E-09	3.51E-09
3690	483863.09, 3851	2.12E-05	6.70E-09	2.84E-09	2.60E-05	8.21E-09	3.48E-09	2.28E-05	7.20E-09	3.06E-09
3691	484363.09, 3851	2.66E-05	8.40E-09	3.56E-09	3.26E-05	1.03E-08	4.36E-09	2.86E-05	9.02E-09	3.83E-09
3692	484863.09, 3851	1.84E-05	5.82E-09	2.47E-09	2.26E-05	7.13E-09	3.02E-09	1.98E-05	6.25E-09	2.65E-09
3693	485363.09, 3851	2.47E-05	7.78E-09	3.30E-09	3.02E-05	9.53E-09	4.05E-09	2.65E-05	8.36E-09	3.55E-09
3694	485863.09, 3851	1.99E-05	6.30E-09	2.67E-09	2.44E-05	7.71E-09	3.27E-09	2.14E-05	6.77E-09	2.87E-09
3695	486363.09, 3851	2.17E-05	6.86E-09	2.91E-09	2.66E-05	8.40E-09	3.56E-09	2.33E-05	7.37E-09	3.13E-09
3696	486863.09, 3851	2.05E-05	6.48E-09	2.75E-09	2.52E-05	7.94E-09	3.37E-09	2.21E-05	6.97E-09	2.96E-09
3697	487363.09, 3851	1.77E-05	5.60E-09	2.37E-09	2.17E-05	6.86E-09	2.91E-09	1.90E-05	6.01E-09	2.55E-09
3698	487863.09, 3851	1.98E-05	6.26E-09	2.66E-09	2.43E-05	7.67E-09	3.25E-09	2.13E-05	6.73E-09	2.85E-09
3699	488363.09, 3851	2.06E-05	6.50E-09	2.76E-09	2.52E-05	7.97E-09	3.38E-09	2.21E-05	6.99E-09	2.96E-09
3700	488863.09, 3851	2.09E-05	6.61E-09	2.80E-09	2.57E-05	8.10E-09	3.44E-09	2.25E-05	7.10E-09	3.01E-09
3701	489363.09, 3851	2.16E-05	6.82E-09	2.89E-09	2.65E-05	8.35E-09	3.54E-09	2.32E-05	7.32E-09	3.11E-09
3702	489863.09, 3851	2.23E-05	7.03E-09	2.98E-09	2.73E-05	8.61E-09	3.65E-09	2.39E-05	7.55E-09	3.20E-09
3703	490363.09, 3851	2.31E-05	7.28E-09	3.09E-09	2.83E-05	8.92E-09	3.79E-09	2.48E-05	7.82E-09	3.32E-09
3704	490863.09, 3851	2.35E-05	7.42E-09	3.15E-09	2.88E-05	9.10E-09	3.86E-09	2.53E-05	7.97E-09	3.38E-09
3705	491363.09, 3851	2.33E-05	7.36E-09	3.12E-09	2.86E-05	9.02E-09	3.83E-09	2.50E-05	7.90E-09	3.35E-09
3706	491863.09, 3851	2.33E-05	7.36E-09	3.12E-09	2.86E-05	9.01E-09	3.82E-09	2.50E-05	7.90E-09	3.35E-09
3707	492363.09, 3851	2.37E-05	7.47E-09	3.17E-09	2.90E-05	9.15E-09	3.88E-09	2.54E-05	8.02E-09	3.40E-09
3708	492863.09, 3851	2.33E-05	7.37E-09	3.13E-09	2.86E-05	9.03E-09	3.83E-09	2.51E-05	7.91E-09	3.36E-09

3709	493363.09, 3851	2.12E-05	6.70E-09	2.84E-09	2.60E-05	8.21E-09	3.48E-09	2.28E-05	7.19E-09	3.05E-09
3710	493863.09, 3851	2.35E-05	7.42E-09	3.15E-09	2.88E-05	9.09E-09	3.86E-09	2.53E-05	7.97E-09	3.38E-09
3711	494363.09, 3851	2.83E-05	8.93E-09	3.79E-09	3.47E-05	1.09E-08	4.64E-09	3.04E-05	9.59E-09	4.07E-09
3712	494863.09, 3851	2.97E-05	9.36E-09	3.97E-09	3.63E-05	1.15E-08	4.87E-09	3.19E-05	1.01E-08	4.27E-09
3713	495363.09, 3851	3.46E-05	1.09E-08	4.63E-09	4.24E-05	1.34E-08	5.67E-09	3.71E-05	1.17E-08	4.97E-09
3714	495863.09, 3851	3.65E-05	1.15E-08	4.89E-09	4.47E-05	1.41E-08	5.99E-09	3.92E-05	1.24E-08	5.25E-09
3715	496363.09, 3851	3.75E-05	1.18E-08	5.02E-09	4.59E-05	1.45E-08	6.15E-09	4.02E-05	1.27E-08	5.39E-09
3716	496863.09, 3851	3.77E-05	1.19E-08	5.05E-09	4.62E-05	1.46E-08	6.18E-09	4.05E-05	1.28E-08	5.42E-09
3717	497363.09, 3851	3.77E-05	1.19E-08	5.05E-09	4.62E-05	1.46E-08	6.18E-09	4.05E-05	1.28E-08	5.42E-09
3718	497863.09, 3851	3.70E-05	1.17E-08	4.95E-09	4.53E-05	1.43E-08	6.07E-09	3.97E-05	1.25E-08	5.32E-09
3719	498363.09, 3851	3.49E-05	1.10E-08	4.67E-09	4.28E-05	1.35E-08	5.73E-09	3.75E-05	1.18E-08	5.02E-09
3720	471363.09, 3851	1.56E-05	4.91E-09	2.08E-09	1.91E-05	6.02E-09	2.55E-09	1.67E-05	5.27E-09	2.24E-09
3721	471863.09, 3851	1.53E-05	4.84E-09	2.05E-09	1.88E-05	5.93E-09	2.52E-09	1.65E-05	5.20E-09	2.21E-09
3722	472363.09, 3851	1.71E-05	5.40E-09	2.29E-09	2.09E-05	6.61E-09	2.80E-09	1.84E-05	5.80E-09	2.46E-09
3723	472863.09, 3851	1.87E-05	5.90E-09	2.50E-09	2.29E-05	7.23E-09	3.07E-09	2.01E-05	6.34E-09	2.69E-09
3724	473363.09, 3851	1.81E-05	5.70E-09	2.42E-09	2.21E-05	6.99E-09	2.96E-09	1.94E-05	6.13E-09	2.60E-09
3725	473863.09, 3851	1.88E-05	5.94E-09	2.52E-09	2.30E-05	7.27E-09	3.08E-09	2.02E-05	6.38E-09	2.70E-09
3726	474363.09, 3851	2.16E-05	6.80E-09	2.89E-09	2.64E-05	8.34E-09	3.54E-09	2.32E-05	7.31E-09	3.10E-09
3727	474863.09, 3851	2.40E-05	7.56E-09	3.21E-09	2.93E-05	9.26E-09	3.93E-09	2.57E-05	8.12E-09	3.44E-09
3728	475363.09, 3851	2.54E-05	8.02E-09	3.40E-09	3.11E-05	9.82E-09	4.17E-09	2.73E-05	8.61E-09	3.65E-09
3729	475863.09, 3851	2.66E-05	8.40E-09	3.57E-09	3.26E-05	1.03E-08	4.37E-09	2.86E-05	9.02E-09	3.83E-09
3730	476363.09, 3851	2.71E-05	8.55E-09	3.63E-09	3.32E-05	1.05E-08	4.44E-09	2.91E-05	9.18E-09	3.90E-09
3731	476863.09, 3851	2.97E-05	9.38E-09	3.98E-09	3.64E-05	1.15E-08	4.87E-09	3.19E-05	1.01E-08	4.27E-09
3732	477363.09, 3851	3.29E-05	1.04E-08	4.41E-09	4.03E-05	1.27E-08	5.40E-09	3.54E-05	1.12E-08	4.74E-09
3733	477863.09, 3851	3.64E-05	1.15E-08	4.87E-09	4.46E-05	1.41E-08	5.97E-09	3.91E-05	1.23E-08	5.24E-09
3734	478363.09, 3851	3.94E-05	1.24E-08	5.28E-09	4.83E-05	1.52E-08	6.47E-09	4.23E-05	1.34E-08	5.67E-09
3735	478863.09, 3851	4.34E-05	1.37E-08	5.81E-09	5.32E-05	1.68E-08	7.12E-09	4.66E-05	1.47E-08	6.25E-09
3736	479363.09, 3851	4.67E-05	1.47E-08	6.26E-09	5.72E-05	1.81E-08	7.66E-09	5.02E-05	1.58E-08	6.72E-09
3737	479863.09, 3851	4.83E-05	1.52E-08	6.46E-09	5.91E-05	1.87E-08	7.92E-09	5.19E-05	1.64E-08	6.95E-09
3738	480363.09, 3851	4.96E-05	1.57E-08	6.65E-09	6.08E-05	1.92E-08	8.14E-09	5.34E-05	1.68E-08	7.14E-09
3739	480863.09, 3851	5.63E-05	1.78E-08	7.53E-09	6.89E-05	2.17E-08	9.23E-09	6.05E-05	1.91E-08	8.10E-09
3740	481363.09, 3851	6.63E-05	2.09E-08	8.88E-09	8.12E-05	2.56E-08	1.09E-08	7.13E-05	2.25E-08	9.54E-09
3741	481863.09, 3851	7.04E-05	2.22E-08	9.43E-09	8.62E-05	2.72E-08	1.15E-08	7.57E-05	2.39E-08	1.01E-08
3742	482363.09, 3851	5.66E-05	1.79E-08	7.58E-09	6.93E-05	2.19E-08	9.28E-09	6.08E-05	1.92E-08	8.14E-09
3743	482863.09, 3851	3.92E-05	1.24E-08	5.25E-09	4.80E-05	1.52E-08	6.43E-09	4.21E-05	1.33E-08	5.64E-09
3744	483363.09, 3851	3.94E-05	1.24E-08	5.27E-09	4.82E-05	1.52E-08	6.46E-09	4.23E-05	1.33E-08	5.66E-09
3745	483863.09, 3851	3.58E-05	1.13E-08	4.79E-09	4.38E-05	1.38E-08	5.87E-09	3.84E-05	1.21E-08	5.15E-09
3746	484363.09, 3851	3.78E-05	1.19E-08	5.06E-09	4.63E-05	1.46E-08	6.20E-09	4.06E-05	1.28E-08	5.44E-09
3747	484863.09, 3851	3.24E-05	1.02E-08	4.33E-09	3.97E-05	1.25E-08	5.31E-09	3.48E-05	1.10E-08	4.66E-09
3748	485363.09, 3851	3.31E-05	1.04E-08	4.43E-09	4.05E-05	1.28E-08	5.43E-09	3.56E-05	1.12E-08	4.76E-09
3749	485863.09, 3851	3.31E-05	1.05E-08	4.43E-09	4.06E-05	1.28E-08	5.43E-09	3.56E-05	1.12E-08	4.77E-09
3750	486363.09, 3851	2.89E-05	9.11E-09	3.87E-09	3.54E-05	1.12E-08	4.74E-09	3.10E-05	9.79E-09	4.16E-09
3751	486863.09, 3851	2.86E-05	9.04E-09	3.83E-09	3.51E-05	1.11E-08	4.70E-09	3.08E-05	9.71E-09	4.12E-09
3752	487363.09, 3851	2.84E-05	8.96E-09	3.80E-09	3.48E-05	1.10E-08	4.66E-09	3.05E-05	9.62E-09	4.08E-09
3753	487863.09, 3851	2.49E-05	7.85E-09	3.33E-09	3.05E-05	9.62E-09	4.08E-09	2.67E-05	8.44E-09	3.58E-09
3754	488363.09, 3851	2.59E-05	8.17E-09	3.47E-09	3.17E-05	1.00E-08	4.25E-09	2.78E-05	8.78E-09	3.73E-09
3755	488863.09, 3851	2.58E-05	8.13E-09	3.45E-09	3.16E-05	9.96E-09	4.23E-09	2.77E-05	8.73E-09	3.71E-09
3756	489363.09, 3851	2.61E-05	8.23E-09	3.49E-09	3.19E-05	1.01E-08	4.28E-09	2.80E-05	8.84E-09	3.75E-09
3757	489863.09, 3851	2.69E-05	8.50E-09	3.61E-09	3.30E-05	1.04E-08	4.42E-09	2.89E-05	9.13E-09	3.87E-09
3758	490363.09, 3851	2.86E-05	9.03E-09	3.83E-09	3.51E-05	1.11E-08	4.70E-09	3.07E-05	9.70E-09	4.12E-09
3759	490863.09, 3851	3.06E-05	9.65E-09	4.10E-09	3.75E-05	1.18E-08	5.02E-09	3.28E-05	1.04E-08	4.40E-09
3760	491363.09, 3851	3.27E-05	1.03E-08	4.37E-09	4.00E-05	1.26E-08	5.36E-09	3.51E-05	1.11E-08	4.70E-09
3761	491863.09, 3851	3.41E-05	1.08E-08	4.56E-09	4.17E-05	1.32E-08	5.59E-09	3.66E-05	1.15E-08	4.90E-09
3762	492363.09, 3851	3.34E-05	1.05E-08	4.47E-09	4.09E-05	1.29E-08	5.48E-09	3.58E-05	1.13E-08	4.80E-09
3763	492863.09, 3851	2.90E-05	9.16E-09	3.89E-09	3.56E-05	1.12E-08	4.76E-09	3.12E-05	9.84E-09	4.17E-09
3764	493363.09, 3851	3.51E-05	1.11E-08	4.70E-09	4.30E-05	1.36E-08	5.76E-09	3.77E-05	1.19E-08	5.05E-09
3765	493863.09, 3851	4.20E-05	1.32E-08	5.62E-09	5.14E-05	1.62E-08	6.88E-09	4.51E-05	1.42E-08	6.03E-09
3766	494363.09, 3851	4.08E-05	1.29E-08	5.46E-09	5.00E-05	1.58E-08	6.69E-09	4.38E-05	1.38E-08	5.86E-09

3767	494863.09, 3851	4.51E-05	1.42E-08	6.04E-09	5.53E-05	1.75E-08	7.40E-09	4.85E-05	1.53E-08	6.49E-09
3768	495363.09, 3851	4.78E-05	1.51E-08	6.40E-09	5.85E-05	1.85E-08	7.84E-09	5.13E-05	1.62E-08	6.87E-09
3769	495863.09, 3851	4.93E-05	1.55E-08	6.60E-09	6.03E-05	1.90E-08	8.08E-09	5.29E-05	1.67E-08	7.08E-09
3770	496363.09, 3851	4.85E-05	1.53E-08	6.49E-09	5.94E-05	1.87E-08	7.96E-09	5.21E-05	1.64E-08	6.97E-09
3771	496863.09, 3851	4.73E-05	1.49E-08	6.33E-09	5.79E-05	1.83E-08	7.75E-09	5.08E-05	1.60E-08	6.80E-09
3772	497363.09, 3851	4.57E-05	1.44E-08	6.12E-09	5.60E-05	1.77E-08	7.50E-09	4.91E-05	1.55E-08	6.57E-09
3773	497863.09, 3851	4.25E-05	1.34E-08	5.69E-09	5.20E-05	1.64E-08	6.96E-09	4.56E-05	1.44E-08	6.11E-09
3774	498363.09, 3851	3.95E-05	1.25E-08	5.30E-09	4.84E-05	1.53E-08	6.49E-09	4.25E-05	1.34E-08	5.69E-09
3775	471363.09, 3852	1.45E-05	4.58E-09	1.95E-09	1.78E-05	5.62E-09	2.38E-09	1.56E-05	4.92E-09	2.09E-09
3776	471863.09, 3852	1.66E-05	5.23E-09	2.22E-09	2.03E-05	6.40E-09	2.72E-09	1.78E-05	5.61E-09	2.38E-09
3777	472363.09, 3852	1.80E-05	5.68E-09	2.41E-09	2.21E-05	6.96E-09	2.95E-09	1.93E-05	6.10E-09	2.59E-09
3778	472863.09, 3852	1.93E-05	6.08E-09	2.58E-09	2.36E-05	7.45E-09	3.16E-09	2.07E-05	6.53E-09	2.77E-09
3779	473363.09, 3852	2.01E-05	6.34E-09	2.69E-09	2.46E-05	7.77E-09	3.30E-09	2.16E-05	6.81E-09	2.89E-09
3780	473863.09, 3852	2.06E-05	6.49E-09	2.75E-09	2.52E-05	7.95E-09	3.37E-09	2.21E-05	6.97E-09	2.96E-09
3781	474363.09, 3852	2.13E-05	6.72E-09	2.85E-09	2.61E-05	8.24E-09	3.49E-09	2.29E-05	7.22E-09	3.06E-09
3782	474863.09, 3852	2.58E-05	8.14E-09	3.45E-09	3.16E-05	9.97E-09	4.23E-09	2.77E-05	8.74E-09	3.71E-09
3783	475363.09, 3852	2.69E-05	8.50E-09	3.61E-09	3.30E-05	1.04E-08	4.42E-09	2.89E-05	9.13E-09	3.88E-09
3784	475863.09, 3852	2.81E-05	8.85E-09	3.76E-09	3.44E-05	1.08E-08	4.60E-09	3.01E-05	9.51E-09	4.03E-09
3785	476363.09, 3852	2.87E-05	9.05E-09	3.84E-09	3.51E-05	1.11E-08	4.70E-09	3.08E-05	9.72E-09	4.12E-09
3786	476863.09, 3852	3.04E-05	9.59E-09	4.07E-09	3.72E-05	1.17E-08	4.98E-09	3.26E-05	1.03E-08	4.37E-09
3787	477363.09, 3852	3.15E-05	9.94E-09	4.22E-09	3.86E-05	1.22E-08	5.17E-09	3.38E-05	1.07E-08	4.53E-09
3788	477863.09, 3852	2.95E-05	9.32E-09	3.96E-09	3.62E-05	1.14E-08	4.85E-09	3.17E-05	1.00E-08	4.25E-09
3789	478363.09, 3852	2.90E-05	9.17E-09	3.89E-09	3.56E-05	1.12E-08	4.76E-09	3.12E-05	9.84E-09	4.18E-09
3790	478863.09, 3852	3.82E-05	1.20E-08	5.11E-09	4.68E-05	1.48E-08	6.26E-09	4.10E-05	1.29E-08	5.49E-09
3791	479363.09, 3852	4.59E-05	1.45E-08	6.15E-09	5.62E-05	1.77E-08	7.53E-09	4.93E-05	1.56E-08	6.60E-09
3792	479863.09, 3852	5.55E-05	1.75E-08	7.43E-09	6.80E-05	2.15E-08	9.10E-09	5.96E-05	1.88E-08	7.98E-09
3793	480363.09, 3852	6.05E-05	1.91E-08	8.11E-09	7.42E-05	2.34E-08	9.93E-09	6.51E-05	2.05E-08	8.71E-09
3794	480863.09, 3852	6.28E-05	1.98E-08	8.41E-09	7.70E-05	2.43E-08	1.03E-08	6.75E-05	2.13E-08	9.05E-09
3795	481363.09, 3852	7.11E-05	2.24E-08	9.52E-09	8.71E-05	2.75E-08	1.17E-08	7.65E-05	2.41E-08	1.02E-08
3796	481863.09, 3852	8.40E-05	2.65E-08	1.12E-08	1.03E-04	3.25E-08	1.38E-08	9.02E-05	2.85E-08	1.21E-08
3797	482363.09, 3852	8.82E-05	2.79E-08	1.18E-08	1.08E-04	3.41E-08	1.45E-08	9.48E-05	2.99E-08	1.27E-08
3798	482863.09, 3852	7.96E-05	2.51E-08	1.07E-08	9.75E-05	3.08E-08	1.31E-08	8.55E-05	2.70E-08	1.15E-08
3799	483363.09, 3852	5.82E-05	1.84E-08	7.79E-09	7.13E-05	2.25E-08	9.55E-09	6.25E-05	1.97E-08	8.37E-09
3800	483863.09, 3852	4.77E-05	1.51E-08	6.39E-09	5.85E-05	1.85E-08	7.83E-09	5.13E-05	1.62E-08	6.87E-09
3801	484363.09, 3852	5.25E-05	1.66E-08	7.03E-09	6.43E-05	2.03E-08	8.61E-09	5.64E-05	1.78E-08	7.55E-09
3802	484863.09, 3852	5.29E-05	1.67E-08	7.08E-09	6.48E-05	2.05E-08	8.68E-09	5.69E-05	1.80E-08	7.62E-09
3803	485363.09, 3852	5.47E-05	1.73E-08	7.33E-09	6.71E-05	2.12E-08	8.98E-09	5.89E-05	1.86E-08	7.88E-09
3804	485863.09, 3852	4.96E-05	1.56E-08	6.64E-09	6.07E-05	1.92E-08	8.13E-09	5.33E-05	1.68E-08	7.14E-09
3805	486363.09, 3852	4.15E-05	1.31E-08	5.56E-09	5.08E-05	1.60E-08	6.81E-09	4.46E-05	1.41E-08	5.97E-09
3806	486863.09, 3852	3.91E-05	1.23E-08	5.23E-09	4.79E-05	1.51E-08	6.41E-09	4.20E-05	1.33E-08	5.63E-09
3807	487363.09, 3852	3.60E-05	1.14E-08	4.82E-09	4.41E-05	1.39E-08	5.90E-09	3.87E-05	1.22E-08	5.18E-09
3808	487863.09, 3852	3.44E-05	1.08E-08	4.60E-09	4.21E-05	1.33E-08	5.64E-09	3.69E-05	1.17E-08	4.95E-09
3809	488363.09, 3852	3.37E-05	1.06E-08	4.51E-09	4.13E-05	1.30E-08	5.52E-09	3.62E-05	1.14E-08	4.84E-09
3810	488863.09, 3852	3.27E-05	1.03E-08	4.38E-09	4.00E-05	1.26E-08	5.36E-09	3.51E-05	1.11E-08	4.70E-09
3811	489363.09, 3852	3.28E-05	1.03E-08	4.39E-09	4.02E-05	1.27E-08	5.38E-09	3.52E-05	1.11E-08	4.71E-09
3812	489863.09, 3852	3.15E-05	9.95E-09	4.22E-09	3.86E-05	1.22E-08	5.17E-09	3.38E-05	1.07E-08	4.53E-09
3813	490363.09, 3852	3.63E-05	1.15E-08	4.86E-09	4.45E-05	1.40E-08	5.95E-09	3.89E-05	1.23E-08	5.22E-09
3814	490863.09, 3852	4.01E-05	1.27E-08	5.37E-09	4.91E-05	1.55E-08	6.58E-09	4.30E-05	1.36E-08	5.76E-09
3815	491363.09, 3852	4.81E-05	1.52E-08	6.44E-09	5.89E-05	1.86E-08	7.89E-09	5.16E-05	1.63E-08	6.91E-09
3816	491863.09, 3852	5.00E-05	1.58E-08	6.70E-09	6.12E-05	1.93E-08	8.20E-09	5.37E-05	1.69E-08	7.19E-09
3817	492363.09, 3852	5.09E-05	1.61E-08	6.82E-09	6.24E-05	1.97E-08	8.36E-09	5.47E-05	1.73E-08	7.32E-09
3818	492863.09, 3852	5.46E-05	1.72E-08	7.31E-09	6.68E-05	2.11E-08	8.95E-09	5.86E-05	1.85E-08	7.85E-09
3819	493363.09, 3852	6.08E-05	1.92E-08	8.14E-09	7.44E-05	2.35E-08	9.97E-09	6.52E-05	2.06E-08	8.74E-09
3820	493863.09, 3852	6.01E-05	1.90E-08	8.04E-09	7.36E-05	2.32E-08	9.85E-09	6.45E-05	2.04E-08	8.64E-09
3821	494363.09, 3852	5.94E-05	1.87E-08	7.96E-09	7.28E-05	2.30E-08	9.74E-09	6.38E-05	2.01E-08	8.54E-09
3822	494863.09, 3852	6.23E-05	1.97E-08	8.34E-09	7.63E-05	2.41E-08	1.02E-08	6.69E-05	2.11E-08	8.96E-09
3823	495363.09, 3852	6.51E-05	2.05E-08	8.72E-09	7.97E-05	2.52E-08	1.07E-08	6.99E-05	2.21E-08	9.36E-09
3824	495863.09, 3852	6.23E-05	1.97E-08	8.35E-09	7.64E-05	2.41E-08	1.02E-08	6.69E-05	2.11E-08	8.97E-09

3825	496363.09, 3852	5.94E-05	1.87E-08	7.95E-09	7.27E-05	2.30E-08	9.74E-09	6.38E-05	2.01E-08	8.54E-09
3826	496863.09, 3852	5.73E-05	1.81E-08	7.68E-09	7.02E-05	2.22E-08	9.40E-09	6.16E-05	1.94E-08	8.25E-09
3827	497363.09, 3852	5.19E-05	1.64E-08	6.95E-09	6.36E-05	2.01E-08	8.52E-09	5.58E-05	1.76E-08	7.47E-09
3828	497863.09, 3852	4.67E-05	1.47E-08	6.25E-09	5.72E-05	1.80E-08	7.66E-09	5.01E-05	1.58E-08	6.71E-09
3829	498363.09, 3852	4.20E-05	1.33E-08	5.63E-09	5.15E-05	1.62E-08	6.89E-09	4.51E-05	1.42E-08	6.04E-09
3830	471363.09, 3852	1.50E-05	4.72E-09	2.00E-09	1.83E-05	5.78E-09	2.45E-09	1.61E-05	5.07E-09	2.15E-09
3831	471863.09, 3852	1.66E-05	5.23E-09	2.22E-09	2.03E-05	6.41E-09	2.72E-09	1.78E-05	5.62E-09	2.38E-09
3832	472363.09, 3852	1.83E-05	5.76E-09	2.45E-09	2.24E-05	7.06E-09	3.00E-09	1.96E-05	6.19E-09	2.63E-09
3833	472863.09, 3852	1.98E-05	6.26E-09	2.66E-09	2.43E-05	7.67E-09	3.25E-09	2.13E-05	6.72E-09	2.85E-09
3834	473363.09, 3852	2.16E-05	6.83E-09	2.90E-09	2.65E-05	8.36E-09	3.55E-09	2.32E-05	7.33E-09	3.11E-09
3835	473863.09, 3852	2.38E-05	7.50E-09	3.18E-09	2.91E-05	9.18E-09	3.90E-09	2.55E-05	8.05E-09	3.41E-09
3836	474363.09, 3852	2.59E-05	8.19E-09	3.47E-09	3.18E-05	1.00E-08	4.25E-09	2.78E-05	8.79E-09	3.73E-09
3837	474863.09, 3852	2.54E-05	8.02E-09	3.40E-09	3.11E-05	9.82E-09	4.17E-09	2.73E-05	8.61E-09	3.65E-09
3838	475363.09, 3852	2.78E-05	8.79E-09	3.73E-09	3.41E-05	1.08E-08	4.57E-09	2.99E-05	9.43E-09	4.00E-09
3839	475863.09, 3852	2.90E-05	9.16E-09	3.89E-09	3.55E-05	1.12E-08	4.76E-09	3.12E-05	9.84E-09	4.17E-09
3840	476363.09, 3852	2.83E-05	8.93E-09	3.79E-09	3.47E-05	1.09E-08	4.64E-09	3.04E-05	9.59E-09	4.07E-09
3841	476863.09, 3852	2.59E-05	8.17E-09	3.47E-09	3.17E-05	1.00E-08	4.25E-09	2.78E-05	8.78E-09	3.72E-09
3842	477363.09, 3852	2.42E-05	7.64E-09	3.24E-09	2.96E-05	9.36E-09	3.97E-09	2.60E-05	8.20E-09	3.48E-09
3843	477863.09, 3852	2.21E-05	6.99E-09	2.97E-09	2.71E-05	8.56E-09	3.63E-09	2.38E-05	7.50E-09	3.18E-09
3844	478363.09, 3852	1.73E-05	5.46E-09	2.32E-09	2.12E-05	6.69E-09	2.84E-09	1.86E-05	5.86E-09	2.49E-09
3845	478863.09, 3852	2.12E-05	6.69E-09	2.84E-09	2.60E-05	8.20E-09	3.48E-09	2.28E-05	7.18E-09	3.05E-09
3846	479363.09, 3852	3.06E-05	9.66E-09	4.10E-09	3.75E-05	1.18E-08	5.02E-09	3.29E-05	1.04E-08	4.40E-09
3847	479863.09, 3852	5.37E-05	1.70E-08	7.20E-09	6.58E-05	2.08E-08	8.81E-09	5.77E-05	1.82E-08	7.73E-09
3848	480363.09, 3852	7.14E-05	2.25E-08	9.56E-09	8.74E-05	2.76E-08	1.17E-08	7.67E-05	2.42E-08	1.03E-08
3849	480863.09, 3852	7.96E-05	2.51E-08	1.07E-08	9.75E-05	3.08E-08	1.31E-08	8.55E-05	2.70E-08	1.15E-08
3850	481363.09, 3852	8.43E-05	2.66E-08	1.13E-08	1.03E-04	3.26E-08	1.38E-08	9.06E-05	2.86E-08	1.21E-08
3851	481863.09, 3852	9.67E-05	3.05E-08	1.30E-08	1.19E-04	3.74E-08	1.59E-08	1.04E-04	3.28E-08	1.39E-08
3852	482363.09, 3852	1.14E-04	3.61E-08	1.53E-08	1.40E-04	4.42E-08	1.87E-08	1.23E-04	3.88E-08	1.64E-08
3853	482863.09, 3852	1.23E-04	3.87E-08	1.64E-08	1.50E-04	4.74E-08	2.01E-08	1.32E-04	4.16E-08	1.76E-08
3854	483363.09, 3852	1.05E-04	3.32E-08	1.41E-08	1.29E-04	4.06E-08	1.72E-08	1.13E-04	3.56E-08	1.51E-08
3855	483863.09, 3852	7.69E-05	2.43E-08	1.03E-08	9.42E-05	2.97E-08	1.26E-08	8.26E-05	2.61E-08	1.11E-08
3856	484363.09, 3852	8.65E-05	2.73E-08	1.16E-08	1.06E-04	3.35E-08	1.42E-08	9.31E-05	2.94E-08	1.25E-08
3857	484863.09, 3852	8.91E-05	2.81E-08	1.19E-08	1.09E-04	3.44E-08	1.46E-08	9.58E-05	3.02E-08	1.28E-08
3858	485363.09, 3852	6.44E-05	2.03E-08	8.63E-09	7.90E-05	2.49E-08	1.06E-08	6.93E-05	2.19E-08	9.29E-09
3859	485863.09, 3852	5.76E-05	1.82E-08	7.72E-09	7.06E-05	2.23E-08	9.46E-09	6.20E-05	1.96E-08	8.30E-09
3860	486363.09, 3852	5.04E-05	1.59E-08	6.75E-09	6.18E-05	1.95E-08	8.27E-09	5.42E-05	1.71E-08	7.26E-09
3861	486863.09, 3852	4.94E-05	1.56E-08	6.61E-09	6.05E-05	1.91E-08	8.10E-09	5.31E-05	1.68E-08	7.11E-09
3862	487363.09, 3852	4.73E-05	1.49E-08	6.33E-09	5.79E-05	1.83E-08	7.76E-09	5.08E-05	1.60E-08	6.80E-09
3863	487863.09, 3852	4.70E-05	1.48E-08	6.30E-09	5.76E-05	1.82E-08	7.72E-09	5.05E-05	1.59E-08	6.76E-09
3864	488363.09, 3852	3.71E-05	1.17E-08	4.96E-09	4.54E-05	1.43E-08	6.08E-09	3.98E-05	1.26E-08	5.33E-09
3865	488863.09, 3852	4.23E-05	1.34E-08	5.67E-09	5.19E-05	1.64E-08	6.95E-09	4.54E-05	1.43E-08	6.08E-09
3866	489363.09, 3852	4.52E-05	1.43E-08	6.05E-09	5.54E-05	1.75E-08	7.41E-09	4.85E-05	1.53E-08	6.49E-09
3867	489863.09, 3852	4.75E-05	1.50E-08	6.36E-09	5.82E-05	1.84E-08	7.79E-09	5.09E-05	1.61E-08	6.82E-09
3868	490363.09, 3852	6.14E-05	1.94E-08	8.22E-09	7.52E-05	2.37E-08	1.01E-08	6.59E-05	2.08E-08	8.82E-09
3869	490863.09, 3852	6.80E-05	2.15E-08	9.11E-09	8.34E-05	2.63E-08	1.12E-08	7.30E-05	2.31E-08	9.78E-09
3870	491363.09, 3852	7.35E-05	2.32E-08	9.84E-09	9.00E-05	2.84E-08	1.21E-08	7.89E-05	2.49E-08	1.06E-08
3871	491863.09, 3852	7.52E-05	2.37E-08	1.01E-08	9.21E-05	2.91E-08	1.23E-08	8.07E-05	2.55E-08	1.08E-08
3872	492363.09, 3852	7.75E-05	2.45E-08	1.04E-08	9.50E-05	3.00E-08	1.27E-08	8.33E-05	2.63E-08	1.12E-08
3873	492863.09, 3852	8.32E-05	2.63E-08	1.11E-08	1.02E-04	3.22E-08	1.36E-08	8.93E-05	2.82E-08	1.20E-08
3874	493363.09, 3852	8.63E-05	2.72E-08	1.16E-08	1.06E-04	3.34E-08	1.42E-08	9.27E-05	2.92E-08	1.24E-08
3875	493863.09, 3852	8.46E-05	2.67E-08	1.13E-08	1.04E-04	3.27E-08	1.39E-08	9.09E-05	2.87E-08	1.22E-08
3876	494363.09, 3852	8.34E-05	2.63E-08	1.12E-08	1.02E-04	3.23E-08	1.37E-08	8.96E-05	2.83E-08	1.20E-08
3877	494863.09, 3852	8.36E-05	2.64E-08	1.12E-08	1.02E-04	3.23E-08	1.37E-08	8.98E-05	2.83E-08	1.20E-08
3878	495363.09, 3852	7.87E-05	2.49E-08	1.05E-08	9.65E-05	3.04E-08	1.29E-08	8.46E-05	2.67E-08	1.13E-08
3879	495863.09, 3852	7.40E-05	2.34E-08	9.91E-09	9.07E-05	2.86E-08	1.21E-08	7.95E-05	2.51E-08	1.06E-08
3880	496363.09, 3852	7.22E-05	2.28E-08	9.67E-09	8.84E-05	2.79E-08	1.18E-08	7.75E-05	2.45E-08	1.04E-08
3881	496863.09, 3852	6.85E-05	2.16E-08	9.18E-09	8.39E-05	2.65E-08	1.12E-08	7.36E-05	2.32E-08	9.85E-09
3882	497363.09, 3852	5.87E-05	1.85E-08	7.86E-09	7.19E-05	2.27E-08	9.63E-09	6.31E-05	1.99E-08	8.44E-09

3883	497863.09, 3852	4.46E-05	1.41E-08	5.98E-09	5.47E-05	1.72E-08	7.32E-09	4.79E-05	1.51E-08	6.42E-09
3884	498363.09, 3852	4.18E-05	1.32E-08	5.59E-09	5.12E-05	1.62E-08	6.85E-09	4.49E-05	1.42E-08	6.01E-09
3885	471363.09, 3853	1.56E-05	4.94E-09	2.09E-09	1.92E-05	6.05E-09	2.56E-09	1.68E-05	5.30E-09	2.25E-09
3886	471863.09, 3853	1.70E-05	5.38E-09	2.28E-09	2.09E-05	6.59E-09	2.80E-09	1.83E-05	5.78E-09	2.45E-09
3887	472363.09, 3853	1.85E-05	5.82E-09	2.47E-09	2.26E-05	7.13E-09	3.03E-09	1.98E-05	6.26E-09	2.65E-09
3888	472863.09, 3853	2.00E-05	6.31E-09	2.68E-09	2.45E-05	7.72E-09	3.28E-09	2.15E-05	6.77E-09	2.87E-09
3889	473363.09, 3853	2.13E-05	6.72E-09	2.85E-09	2.61E-05	8.24E-09	3.49E-09	2.29E-05	7.22E-09	3.06E-09
3890	473863.09, 3853	2.29E-05	7.23E-09	3.07E-09	2.80E-05	8.85E-09	3.76E-09	2.46E-05	7.76E-09	3.29E-09
3891	474363.09, 3853	2.45E-05	7.75E-09	3.29E-09	3.01E-05	9.49E-09	4.03E-09	2.64E-05	8.32E-09	3.53E-09
3892	474863.09, 3853	2.50E-05	7.89E-09	3.35E-09	3.06E-05	9.66E-09	4.10E-09	2.68E-05	8.47E-09	3.59E-09
3893	475363.09, 3853	2.59E-05	8.19E-09	3.47E-09	3.18E-05	1.00E-08	4.26E-09	2.79E-05	8.79E-09	3.73E-09
3894	475863.09, 3853	2.67E-05	8.44E-09	3.58E-09	3.28E-05	1.03E-08	4.39E-09	2.87E-05	9.06E-09	3.84E-09
3895	476363.09, 3853	2.55E-05	8.06E-09	3.42E-09	3.13E-05	9.87E-09	4.19E-09	2.74E-05	8.65E-09	3.67E-09
3896	476863.09, 3853	2.20E-05	6.94E-09	2.94E-09	2.69E-05	8.50E-09	3.61E-09	2.36E-05	7.45E-09	3.16E-09
3897	477363.09, 3853	2.15E-05	6.80E-09	2.88E-09	2.64E-05	8.32E-09	3.53E-09	2.31E-05	7.30E-09	3.10E-09
3898	477863.09, 3853	2.20E-05	6.94E-09	2.95E-09	2.70E-05	8.51E-09	3.61E-09	2.36E-05	7.46E-09	3.17E-09
3899	478363.09, 3853	1.87E-05	5.89E-09	2.50E-09	2.29E-05	7.21E-09	3.06E-09	2.00E-05	6.33E-09	2.68E-09
3900	478863.09, 3853	1.45E-05	4.56E-09	1.94E-09	1.77E-05	5.59E-09	2.37E-09	1.55E-05	4.90E-09	2.08E-09
3901	479363.09, 3853	2.60E-05	8.19E-09	3.48E-09	3.18E-05	1.00E-08	4.26E-09	2.79E-05	8.79E-09	3.73E-09
3902	479863.09, 3853	4.28E-05	1.35E-08	5.73E-09	5.24E-05	1.65E-08	7.02E-09	4.59E-05	1.45E-08	6.15E-09
3903	480363.09, 3853	7.03E-05	2.22E-08	9.41E-09	8.61E-05	2.72E-08	1.15E-08	7.55E-05	2.38E-08	1.01E-08
3904	480863.09, 3853	7.65E-05	2.42E-08	1.03E-08	9.38E-05	2.96E-08	1.26E-08	8.22E-05	2.60E-08	1.10E-08
3905	481363.09, 3853	1.08E-04	3.42E-08	1.45E-08	1.33E-04	4.19E-08	1.78E-08	1.17E-04	3.68E-08	1.56E-08
3906	481863.09, 3853	1.29E-04	4.06E-08	1.72E-08	1.58E-04	4.98E-08	2.11E-08	1.38E-04	4.37E-08	1.85E-08
3907	482363.09, 3853	1.65E-04	5.19E-08	2.20E-08	2.02E-04	6.36E-08	2.70E-08	1.77E-04	5.59E-08	2.37E-08
3908	482863.09, 3853	2.02E-04	6.36E-08	2.70E-08	2.47E-04	7.79E-08	3.31E-08	2.17E-04	6.84E-08	2.90E-08
3909	483363.09, 3853	2.12E-04	6.70E-08	2.84E-08	2.60E-04	8.21E-08	3.48E-08	2.28E-04	7.21E-08	3.06E-08
3910	483863.09, 3853	1.93E-04	6.08E-08	2.58E-08	2.36E-04	7.45E-08	3.16E-08	2.07E-04	6.55E-08	2.78E-08
3911	484363.09, 3853	1.81E-04	5.73E-08	2.43E-08	2.22E-04	7.02E-08	2.98E-08	1.95E-04	6.16E-08	2.62E-08
3912	484863.09, 3853	1.38E-04	4.37E-08	1.85E-08	1.70E-04	5.35E-08	2.27E-08	1.49E-04	4.70E-08	2.00E-08
3913	485363.09, 3853	8.62E-05	2.72E-08	1.15E-08	1.06E-04	3.33E-08	1.41E-08	9.28E-05	2.93E-08	1.24E-08
3914	485863.09, 3853	6.34E-05	2.00E-08	8.49E-09	7.77E-05	2.45E-08	1.04E-08	6.82E-05	2.15E-08	9.14E-09
3915	486363.09, 3853	6.81E-05	2.15E-08	9.12E-09	8.34E-05	2.63E-08	1.12E-08	7.32E-05	2.31E-08	9.80E-09
3916	486863.09, 3853	7.27E-05	2.29E-08	9.73E-09	8.90E-05	2.81E-08	1.19E-08	7.80E-05	2.46E-08	1.04E-08
3917	487363.09, 3853	8.18E-05	2.58E-08	1.10E-08	1.00E-04	3.16E-08	1.34E-08	8.78E-05	2.77E-08	1.18E-08
3918	487863.09, 3853	8.85E-05	2.79E-08	1.19E-08	1.08E-04	3.42E-08	1.45E-08	9.50E-05	3.00E-08	1.27E-08
3919	488363.09, 3853	9.67E-05	3.05E-08	1.30E-08	1.19E-04	3.74E-08	1.59E-08	1.04E-04	3.28E-08	1.39E-08
3920	488863.09, 3853	9.90E-05	3.13E-08	1.33E-08	1.21E-04	3.83E-08	1.62E-08	1.06E-04	3.35E-08	1.42E-08
3921	489363.09, 3853	1.00E-04	3.16E-08	1.34E-08	1.23E-04	3.87E-08	1.64E-08	1.07E-04	3.39E-08	1.44E-08
3922	489863.09, 3853	9.77E-05	3.08E-08	1.31E-08	1.20E-04	3.78E-08	1.60E-08	1.05E-04	3.31E-08	1.40E-08
3923	490363.09, 3853	1.04E-04	3.29E-08	1.39E-08	1.28E-04	4.03E-08	1.71E-08	1.12E-04	3.53E-08	1.50E-08
3924	490863.09, 3853	1.08E-04	3.40E-08	1.44E-08	1.32E-04	4.16E-08	1.77E-08	1.16E-04	3.65E-08	1.55E-08
3925	491363.09, 3853	1.10E-04	3.49E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.19E-04	3.74E-08	1.59E-08
3926	491863.09, 3853	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.33E-08	1.84E-08	1.20E-04	3.79E-08	1.61E-08
3927	492363.09, 3853	1.16E-04	3.66E-08	1.55E-08	1.42E-04	4.49E-08	1.90E-08	1.25E-04	3.94E-08	1.67E-08
3928	492863.09, 3853	1.19E-04	3.77E-08	1.60E-08	1.46E-04	4.62E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
3929	493363.09, 3853	1.18E-04	3.72E-08	1.58E-08	1.44E-04	4.56E-08	1.93E-08	1.27E-04	3.99E-08	1.69E-08
3930	493863.09, 3853	1.15E-04	3.63E-08	1.54E-08	1.41E-04	4.45E-08	1.89E-08	1.24E-04	3.90E-08	1.65E-08
3931	494363.09, 3853	1.09E-04	3.44E-08	1.46E-08	1.33E-04	4.21E-08	1.79E-08	1.17E-04	3.69E-08	1.57E-08
3932	494863.09, 3853	1.02E-04	3.21E-08	1.36E-08	1.24E-04	3.93E-08	1.67E-08	1.09E-04	3.44E-08	1.46E-08
3933	495363.09, 3853	9.73E-05	3.07E-08	1.30E-08	1.19E-04	3.76E-08	1.60E-08	1.05E-04	3.30E-08	1.40E-08
3934	495863.09, 3853	9.14E-05	2.88E-08	1.22E-08	1.12E-04	3.53E-08	1.50E-08	9.81E-05	3.10E-08	1.31E-08
3935	496363.09, 3853	8.36E-05	2.64E-08	1.12E-08	1.02E-04	3.23E-08	1.37E-08	8.98E-05	2.83E-08	1.20E-08
3936	496863.09, 3853	7.31E-05	2.31E-08	9.79E-09	8.95E-05	2.83E-08	1.20E-08	7.85E-05	2.48E-08	1.05E-08
3937	497363.09, 3853	6.07E-05	1.92E-08	8.14E-09	7.44E-05	2.35E-08	9.96E-09	6.52E-05	2.06E-08	8.74E-09
3938	497863.09, 3853	4.11E-05	1.30E-08	5.50E-09	5.03E-05	1.59E-08	6.74E-09	4.41E-05	1.39E-08	5.91E-09
3939	498363.09, 3853	3.26E-05	1.03E-08	4.36E-09	3.99E-05	1.26E-08	5.34E-09	3.50E-05	1.10E-08	4.68E-09
3940	471363.09, 3853	1.58E-05	5.00E-09	2.12E-09	1.94E-05	6.12E-09	2.60E-09	1.70E-05	5.37E-09	2.28E-09

3941	471863.09, 3853	1.74E-05	5.50E-09	2.34E-09	2.14E-05	6.74E-09	2.86E-09	1.87E-05	5.91E-09	2.51E-09
3942	472363.09, 3853	1.85E-05	5.85E-09	2.48E-09	2.27E-05	7.17E-09	3.04E-09	1.99E-05	6.29E-09	2.67E-09
3943	472863.09, 3853	2.00E-05	6.32E-09	2.68E-09	2.45E-05	7.74E-09	3.28E-09	2.15E-05	6.79E-09	2.88E-09
3944	473363.09, 3853	2.11E-05	6.66E-09	2.83E-09	2.59E-05	8.16E-09	3.46E-09	2.27E-05	7.16E-09	3.04E-09
3945	473863.09, 3853	2.23E-05	7.05E-09	2.99E-09	2.74E-05	8.64E-09	3.66E-09	2.40E-05	7.57E-09	3.21E-09
3946	474363.09, 3853	2.40E-05	7.57E-09	3.21E-09	2.94E-05	9.27E-09	3.93E-09	2.58E-05	8.13E-09	3.45E-09
3947	474863.09, 3853	2.55E-05	8.05E-09	3.41E-09	3.12E-05	9.85E-09	4.18E-09	2.74E-05	8.64E-09	3.67E-09
3948	475363.09, 3853	2.54E-05	8.01E-09	3.40E-09	3.11E-05	9.81E-09	4.16E-09	2.73E-05	8.60E-09	3.65E-09
3949	475863.09, 3853	2.24E-05	7.08E-09	3.00E-09	2.75E-05	8.67E-09	3.68E-09	2.41E-05	7.60E-09	3.23E-09
3950	476363.09, 3853	1.91E-05	6.02E-09	2.55E-09	2.34E-05	7.37E-09	3.13E-09	2.05E-05	6.46E-09	2.74E-09
3951	476863.09, 3853	1.50E-05	4.74E-09	2.01E-09	1.84E-05	5.81E-09	2.47E-09	1.61E-05	5.09E-09	2.16E-09
3952	477363.09, 3853	1.67E-05	5.27E-09	2.24E-09	2.05E-05	6.46E-09	2.74E-09	1.79E-05	5.66E-09	2.40E-09
3953	477863.09, 3853	1.97E-05	6.20E-09	2.63E-09	2.41E-05	7.60E-09	3.22E-09	2.11E-05	6.66E-09	2.83E-09
3954	478363.09, 3853	2.11E-05	6.66E-09	2.83E-09	2.58E-05	8.16E-09	3.46E-09	2.27E-05	7.15E-09	3.03E-09
3955	478863.09, 3853	1.49E-05	4.69E-09	1.99E-09	1.82E-05	5.75E-09	2.44E-09	1.60E-05	5.04E-09	2.14E-09
3956	479363.09, 3853	2.09E-05	6.61E-09	2.80E-09	2.56E-05	8.09E-09	3.43E-09	2.25E-05	7.10E-09	3.01E-09
3957	479863.09, 3853	4.23E-05	1.34E-08	5.66E-09	5.18E-05	1.64E-08	6.94E-09	4.54E-05	1.43E-08	6.08E-09
3958	480363.09, 3853	6.46E-05	2.04E-08	8.64E-09	7.91E-05	2.50E-08	1.06E-08	6.93E-05	2.19E-08	9.28E-09
3959	480863.09, 3853	1.01E-04	3.17E-08	1.35E-08	1.23E-04	3.89E-08	1.65E-08	1.08E-04	3.41E-08	1.45E-08
3960	481363.09, 3853	1.32E-04	4.15E-08	1.76E-08	1.61E-04	5.09E-08	2.16E-08	1.41E-04	4.46E-08	1.89E-08
3961	481863.09, 3853	1.67E-04	5.26E-08	2.23E-08	2.04E-04	6.44E-08	2.73E-08	1.79E-04	5.66E-08	2.40E-08
3962	482363.09, 3853	2.53E-04	7.99E-08	3.39E-08	3.10E-04	9.79E-08	4.15E-08	2.73E-04	8.60E-08	3.65E-08
3963	482863.09, 3853	1.22E-03	3.84E-07	1.63E-07	1.49E-03	4.71E-07	2.00E-07	1.31E-03	4.15E-07	1.76E-07
3964	483363.09, 3853	7.27E-04	2.29E-07	9.74E-08	8.91E-04	2.81E-07	1.19E-07	7.84E-04	2.47E-07	1.05E-07
3965	483863.09, 3853	4.78E-04	1.51E-07	6.41E-08	5.86E-04	1.85E-07	7.85E-08	5.15E-04	1.63E-07	6.90E-08
3966	484363.09, 3853	3.23E-04	1.02E-07	4.32E-08	3.96E-04	1.25E-07	5.30E-08	3.48E-04	1.10E-07	4.66E-08
3967	484863.09, 3853	2.04E-04	6.45E-08	2.74E-08	2.50E-04	7.90E-08	3.35E-08	2.20E-04	6.94E-08	2.95E-08
3968	485363.09, 3853	1.23E-04	3.88E-08	1.64E-08	1.50E-04	4.75E-08	2.02E-08	1.32E-04	4.17E-08	1.77E-08
3969	485863.09, 3853	1.42E-04	4.47E-08	1.90E-08	1.74E-04	5.48E-08	2.33E-08	1.52E-04	4.81E-08	2.04E-08
3970	486363.09, 3853	1.45E-04	4.58E-08	1.94E-08	1.78E-04	5.62E-08	2.38E-08	1.56E-04	4.92E-08	2.09E-08
3971	486863.09, 3853	1.43E-04	4.51E-08	1.91E-08	1.75E-04	5.53E-08	2.34E-08	1.53E-04	4.84E-08	2.05E-08
3972	487363.09, 3853	1.54E-04	4.85E-08	2.06E-08	1.88E-04	5.94E-08	2.52E-08	1.65E-04	5.20E-08	2.21E-08
3973	487863.09, 3853	1.75E-04	5.54E-08	2.35E-08	2.15E-04	6.78E-08	2.88E-08	1.88E-04	5.94E-08	2.52E-08
3974	488363.09, 3853	1.81E-04	5.73E-08	2.43E-08	2.22E-04	7.01E-08	2.98E-08	1.95E-04	6.14E-08	2.61E-08
3975	488863.09, 3853	1.91E-04	6.02E-08	2.56E-08	2.34E-04	7.38E-08	3.13E-08	2.05E-04	6.46E-08	2.74E-08
3976	489363.09, 3853	1.77E-04	5.60E-08	2.37E-08	2.17E-04	6.86E-08	2.91E-08	1.90E-04	6.01E-08	2.55E-08
3977	489863.09, 3853	1.77E-04	5.59E-08	2.37E-08	2.17E-04	6.85E-08	2.91E-08	1.90E-04	6.00E-08	2.55E-08
3978	490363.09, 3853	1.71E-04	5.39E-08	2.29E-08	2.09E-04	6.60E-08	2.80E-08	1.83E-04	5.78E-08	2.45E-08
3979	490863.09, 3853	1.68E-04	5.30E-08	2.25E-08	2.06E-04	6.49E-08	2.75E-08	1.80E-04	5.69E-08	2.41E-08
3980	491363.09, 3853	1.66E-04	5.23E-08	2.22E-08	2.03E-04	6.41E-08	2.72E-08	1.78E-04	5.62E-08	2.39E-08
3981	491863.09, 3853	1.63E-04	5.15E-08	2.18E-08	2.00E-04	6.30E-08	2.67E-08	1.75E-04	5.53E-08	2.34E-08
3982	492363.09, 3853	1.65E-04	5.20E-08	2.21E-08	2.02E-04	6.37E-08	2.70E-08	1.77E-04	5.59E-08	2.37E-08
3983	492863.09, 3853	1.63E-04	5.13E-08	2.18E-08	1.99E-04	6.29E-08	2.67E-08	1.75E-04	5.51E-08	2.34E-08
3984	493363.09, 3853	1.55E-04	4.90E-08	2.08E-08	1.90E-04	6.01E-08	2.55E-08	1.67E-04	5.27E-08	2.23E-08
3985	493863.09, 3853	1.46E-04	4.62E-08	1.96E-08	1.79E-04	5.66E-08	2.40E-08	1.57E-04	4.97E-08	2.11E-08
3986	494363.09, 3853	1.39E-04	4.39E-08	1.86E-08	1.70E-04	5.38E-08	2.28E-08	1.49E-04	4.72E-08	2.00E-08
3987	494863.09, 3853	1.29E-04	4.08E-08	1.73E-08	1.58E-04	5.00E-08	2.12E-08	1.39E-04	4.38E-08	1.86E-08
3988	495363.09, 3853	1.12E-04	3.52E-08	1.49E-08	1.37E-04	4.31E-08	1.83E-08	1.20E-04	3.78E-08	1.60E-08
3989	495863.09, 3853	9.77E-05	3.08E-08	1.31E-08	1.20E-04	3.78E-08	1.60E-08	1.05E-04	3.31E-08	1.41E-08
3990	496363.09, 3853	8.87E-05	2.80E-08	1.19E-08	1.09E-04	3.43E-08	1.45E-08	9.52E-05	3.01E-08	1.28E-08
3991	496863.09, 3853	7.45E-05	2.35E-08	9.97E-09	9.12E-05	2.88E-08	1.22E-08	8.00E-05	2.52E-08	1.07E-08
3992	497363.09, 3853	6.34E-05	2.00E-08	8.49E-09	7.76E-05	2.45E-08	1.04E-08	6.81E-05	2.15E-08	9.11E-09
3993	497863.09, 3853	4.99E-05	1.57E-08	6.68E-09	6.11E-05	1.93E-08	8.18E-09	5.35E-05	1.69E-08	7.17E-09
3994	498363.09, 3853	4.23E-05	1.34E-08	5.67E-09	5.19E-05	1.64E-08	6.95E-09	4.55E-05	1.44E-08	6.09E-09
3995	471363.09, 3854	1.63E-05	5.13E-09	2.18E-09	1.99E-05	6.28E-09	2.67E-09	1.74E-05	5.51E-09	2.34E-09
3996	471863.09, 3854	1.78E-05	5.63E-09	2.39E-09	2.18E-05	6.89E-09	2.92E-09	1.91E-05	6.04E-09	2.56E-09
3997	472363.09, 3854	1.91E-05	6.02E-09	2.55E-09	2.34E-05	7.37E-09	3.13E-09	2.05E-05	6.46E-09	2.74E-09
3998	472863.09, 3854	2.01E-05	6.36E-09	2.70E-09	2.47E-05	7.79E-09	3.30E-09	2.16E-05	6.82E-09	2.90E-09

3999	473363.09, 3854	2.16E-05	6.82E-09	2.89E-09	2.65E-05	8.35E-09	3.54E-09	2.32E-05	7.32E-09	3.10E-09
4000	473863.09, 3854	2.34E-05	7.38E-09	3.13E-09	2.87E-05	9.04E-09	3.84E-09	2.51E-05	7.93E-09	3.36E-09
4001	474363.09, 3854	2.52E-05	7.96E-09	3.38E-09	3.09E-05	9.75E-09	4.14E-09	2.71E-05	8.55E-09	3.63E-09
4002	474863.09, 3854	2.51E-05	7.91E-09	3.36E-09	3.07E-05	9.69E-09	4.11E-09	2.69E-05	8.50E-09	3.61E-09
4003	475363.09, 3854	2.25E-05	7.12E-09	3.02E-09	2.76E-05	8.72E-09	3.70E-09	2.42E-05	7.64E-09	3.24E-09
4004	475863.09, 3854	1.58E-05	4.98E-09	2.11E-09	1.93E-05	6.10E-09	2.59E-09	1.69E-05	5.35E-09	2.27E-09
4005	476363.09, 3854	1.42E-05	4.49E-09	1.90E-09	1.74E-05	5.50E-09	2.33E-09	1.53E-05	4.82E-09	2.05E-09
4006	476863.09, 3854	1.38E-05	4.36E-09	1.85E-09	1.69E-05	5.34E-09	2.27E-09	1.48E-05	4.68E-09	1.99E-09
4007	477363.09, 3854	1.38E-05	4.37E-09	1.85E-09	1.70E-05	5.35E-09	2.27E-09	1.49E-05	4.69E-09	1.99E-09
4008	477863.09, 3854	1.43E-05	4.52E-09	1.92E-09	1.75E-05	5.54E-09	2.35E-09	1.54E-05	4.86E-09	2.06E-09
4009	478363.09, 3854	1.72E-05	5.41E-09	2.30E-09	2.10E-05	6.63E-09	2.81E-09	1.84E-05	5.81E-09	2.47E-09
4010	478863.09, 3854	1.91E-05	6.02E-09	2.56E-09	2.34E-05	7.38E-09	3.13E-09	2.05E-05	6.47E-09	2.74E-09
4011	479363.09, 3854	3.10E-05	9.80E-09	4.16E-09	3.80E-05	1.20E-08	5.09E-09	3.33E-05	1.05E-08	4.46E-09
4012	479863.09, 3854	4.24E-05	1.34E-08	5.67E-09	5.19E-05	1.64E-08	6.95E-09	4.55E-05	1.44E-08	6.09E-09
4013	480363.09, 3854	6.31E-05	1.99E-08	8.46E-09	7.74E-05	2.44E-08	1.04E-08	6.78E-05	2.14E-08	9.08E-09
4014	480863.09, 3854	1.01E-04	3.19E-08	1.35E-08	1.24E-04	3.90E-08	1.66E-08	1.08E-04	3.42E-08	1.45E-08
4015	481363.09, 3854	1.46E-04	4.60E-08	1.95E-08	1.79E-04	5.64E-08	2.39E-08	1.57E-04	4.94E-08	2.10E-08
4016	481863.09, 3854	1.95E-04	6.16E-08	2.61E-08	2.39E-04	7.54E-08	3.20E-08	2.10E-04	6.62E-08	2.81E-08
4017	482363.09, 3854	2.76E-04	8.70E-08	3.69E-08	3.38E-04	1.07E-07	4.52E-08	2.96E-04	9.36E-08	3.97E-08
4018	482863.09, 3854	5.76E-04	1.82E-07	7.72E-08	7.06E-04	2.23E-07	9.46E-08	6.21E-04	1.96E-07	8.31E-08
4019	483363.09, 3854	1.67E-03	5.27E-07	2.24E-07	2.05E-03	6.46E-07	2.74E-07	1.80E-03	5.69E-07	2.41E-07
4020	483863.09, 3854	8.48E-04	2.68E-07	1.14E-07	1.04E-03	3.28E-07	1.39E-07	9.13E-04	2.88E-07	1.22E-07
4021	484363.09, 3854	5.06E-04	1.60E-07	6.77E-08	6.20E-04	1.96E-07	8.30E-08	5.44E-04	1.72E-07	7.29E-08
4022	484863.09, 3854	3.18E-04	1.00E-07	4.26E-08	3.90E-04	1.23E-07	5.22E-08	3.42E-04	1.08E-07	4.58E-08
4023	485363.09, 3854	4.21E-04	1.33E-07	5.63E-08	5.16E-04	1.63E-07	6.90E-08	4.51E-04	1.42E-07	6.05E-08
4024	485863.09, 3854	3.37E-04	1.06E-07	4.51E-08	4.13E-04	1.30E-07	5.53E-08	3.61E-04	1.14E-07	4.83E-08
4025	486363.09, 3854	3.53E-04	1.11E-07	4.72E-08	4.32E-04	1.36E-07	5.79E-08	3.78E-04	1.19E-07	5.06E-08
4026	486863.09, 3854	3.17E-04	1.00E-07	4.25E-08	3.89E-04	1.23E-07	5.21E-08	3.40E-04	1.07E-07	4.55E-08
4027	487363.09, 3854	3.17E-04	1.00E-07	4.25E-08	3.89E-04	1.23E-07	5.20E-08	3.40E-04	1.07E-07	4.55E-08
4028	487863.09, 3854	3.26E-04	1.03E-07	4.37E-08	4.00E-04	1.26E-07	5.35E-08	3.50E-04	1.10E-07	4.68E-08
4029	488363.09, 3854	3.20E-04	1.01E-07	4.28E-08	3.92E-04	1.24E-07	5.25E-08	3.43E-04	1.08E-07	4.60E-08
4030	488863.09, 3854	3.10E-04	9.78E-08	4.15E-08	3.79E-04	1.20E-07	5.08E-08	3.32E-04	1.05E-07	4.45E-08
4031	489363.09, 3854	2.96E-04	9.33E-08	3.96E-08	3.62E-04	1.14E-07	4.85E-08	3.17E-04	1.00E-07	4.25E-08
4032	489863.09, 3854	2.79E-04	8.80E-08	3.74E-08	3.42E-04	1.08E-07	4.58E-08	3.00E-04	9.45E-08	4.01E-08
4033	490363.09, 3854	2.61E-04	8.23E-08	3.49E-08	3.19E-04	1.01E-07	4.28E-08	2.80E-04	8.84E-08	3.75E-08
4034	490863.09, 3854	2.13E-04	6.73E-08	2.86E-08	2.61E-04	8.25E-08	3.50E-08	2.29E-04	7.23E-08	3.07E-08
4035	491363.09, 3854	2.24E-04	7.06E-08	3.00E-08	2.74E-04	8.65E-08	3.67E-08	2.40E-04	7.58E-08	3.22E-08
4036	491863.09, 3854	2.27E-04	7.15E-08	3.03E-08	2.78E-04	8.76E-08	3.72E-08	2.43E-04	7.68E-08	3.26E-08
4037	492363.09, 3854	2.20E-04	6.96E-08	2.95E-08	2.70E-04	8.52E-08	3.62E-08	2.37E-04	7.47E-08	3.17E-08
4038	492863.09, 3854	2.09E-04	6.58E-08	2.79E-08	2.55E-04	8.06E-08	3.42E-08	2.24E-04	7.07E-08	3.00E-08
4039	493363.09, 3854	1.94E-04	6.13E-08	2.60E-08	2.38E-04	7.51E-08	3.19E-08	2.09E-04	6.59E-08	2.79E-08
4040	493863.09, 3854	1.80E-04	5.68E-08	2.41E-08	2.21E-04	6.96E-08	2.95E-08	1.93E-04	6.11E-08	2.59E-08
4041	494363.09, 3854	1.67E-04	5.28E-08	2.24E-08	2.05E-04	6.46E-08	2.74E-08	1.80E-04	5.67E-08	2.40E-08
4042	494863.09, 3854	1.37E-04	4.32E-08	1.83E-08	1.68E-04	5.30E-08	2.25E-08	1.47E-04	4.65E-08	1.97E-08
4043	495363.09, 3854	1.08E-04	3.41E-08	1.45E-08	1.32E-04	4.18E-08	1.77E-08	1.16E-04	3.66E-08	1.55E-08
4044	495863.09, 3854	8.98E-05	2.83E-08	1.20E-08	1.10E-04	3.47E-08	1.47E-08	9.64E-05	3.04E-08	1.29E-08
4045	496363.09, 3854	8.09E-05	2.55E-08	1.08E-08	9.90E-05	3.13E-08	1.33E-08	8.68E-05	2.74E-08	1.16E-08
4046	496863.09, 3854	7.01E-05	2.21E-08	9.39E-09	8.58E-05	2.71E-08	1.15E-08	7.53E-05	2.38E-08	1.01E-08
4047	497363.09, 3854	5.51E-05	1.74E-08	7.38E-09	6.75E-05	2.13E-08	9.05E-09	5.92E-05	1.87E-08	7.93E-09
4048	497863.09, 3854	5.60E-05	1.77E-08	7.50E-09	6.86E-05	2.16E-08	9.18E-09	6.01E-05	1.90E-08	8.05E-09
4049	498363.09, 3854	4.81E-05	1.52E-08	6.44E-09	5.89E-05	1.86E-08	7.88E-09	5.16E-05	1.63E-08	6.91E-09
4050	471363.09, 3854	1.66E-05	5.25E-09	2.23E-09	2.04E-05	6.43E-09	2.73E-09	1.78E-05	5.63E-09	2.39E-09
4051	471863.09, 3854	1.79E-05	5.65E-09	2.40E-09	2.19E-05	6.92E-09	2.94E-09	1.92E-05	6.07E-09	2.57E-09
4052	472363.09, 3854	1.91E-05	6.03E-09	2.56E-09	2.34E-05	7.39E-09	3.13E-09	2.05E-05	6.48E-09	2.75E-09
4053	472863.09, 3854	1.98E-05	6.26E-09	2.66E-09	2.43E-05	7.67E-09	3.26E-09	2.13E-05	6.73E-09	2.85E-09
4054	473363.09, 3854	2.17E-05	6.85E-09	2.91E-09	2.66E-05	8.39E-09	3.56E-09	2.33E-05	7.36E-09	3.12E-09
4055	473863.09, 3854	2.36E-05	7.44E-09	3.16E-09	2.89E-05	9.11E-09	3.87E-09	2.53E-05	7.98E-09	3.39E-09
4056	474363.09, 3854	2.60E-05	8.19E-09	3.48E-09	3.18E-05	1.00E-08	4.26E-09	2.79E-05	8.79E-09	3.73E-09

4057	474863.09, 3854	2.32E-05	7.33E-09	3.11E-09	2.85E-05	8.98E-09	3.81E-09	2.49E-05	7.87E-09	3.34E-09
4058	475363.09, 3854	1.87E-05	5.92E-09	2.51E-09	2.30E-05	7.25E-09	3.08E-09	2.01E-05	6.35E-09	2.70E-09
4059	475863.09, 3854	1.41E-05	4.45E-09	1.89E-09	1.73E-05	5.45E-09	2.31E-09	1.51E-05	4.78E-09	2.03E-09
4060	476363.09, 3854	9.02E-06	2.85E-09	1.21E-09	1.11E-05	3.49E-09	1.48E-09	9.69E-06	3.06E-09	1.30E-09
4061	476863.09, 3854	9.02E-06	2.85E-09	1.21E-09	1.10E-05	3.49E-09	1.48E-09	9.69E-06	3.06E-09	1.30E-09
4062	477363.09, 3854	1.11E-05	3.52E-09	1.49E-09	1.37E-05	4.31E-09	1.83E-09	1.20E-05	3.78E-09	1.60E-09
4063	477863.09, 3854	1.33E-05	4.20E-09	1.78E-09	1.63E-05	5.15E-09	2.18E-09	1.43E-05	4.51E-09	1.91E-09
4064	478363.09, 3854	1.85E-05	5.84E-09	2.48E-09	2.27E-05	7.15E-09	3.03E-09	1.99E-05	6.27E-09	2.66E-09
4065	478863.09, 3854	2.76E-05	8.70E-09	3.69E-09	3.38E-05	1.07E-08	4.52E-09	2.96E-05	9.34E-09	3.96E-09
4066	479363.09, 3854	4.16E-05	1.31E-08	5.57E-09	5.09E-05	1.61E-08	6.82E-09	4.46E-05	1.41E-08	5.98E-09
4067	479863.09, 3854	6.10E-05	1.92E-08	8.17E-09	7.47E-05	2.36E-08	1.00E-08	6.55E-05	2.07E-08	8.77E-09
4068	480363.09, 3854	8.16E-05	2.58E-08	1.09E-08	1.00E-04	3.16E-08	1.34E-08	8.77E-05	2.77E-08	1.17E-08
4069	480863.09, 3854	1.17E-04	3.71E-08	1.57E-08	1.44E-04	4.54E-08	1.93E-08	1.26E-04	3.98E-08	1.69E-08
4070	481363.09, 3854	1.52E-04	4.81E-08	2.04E-08	1.87E-04	5.90E-08	2.50E-08	1.64E-04	5.17E-08	2.19E-08
4071	481863.09, 3854	1.80E-04	5.69E-08	2.41E-08	2.21E-04	6.97E-08	2.96E-08	1.93E-04	6.10E-08	2.59E-08
4072	482363.09, 3854	2.64E-04	8.34E-08	3.54E-08	3.24E-04	1.02E-07	4.33E-08	2.84E-04	8.96E-08	3.80E-08
4073	482863.09, 3854	3.96E-04	1.25E-07	5.31E-08	4.85E-04	1.53E-07	6.50E-08	4.25E-04	1.34E-07	5.70E-08
4074	483363.09, 3854	6.76E-04	2.13E-07	9.06E-08	8.29E-04	2.62E-07	1.11E-07	7.26E-04	2.29E-07	9.72E-08
4075	483863.09, 3854	2.25E-03	7.09E-07	3.01E-07	2.75E-03	8.69E-07	3.69E-07	2.40E-03	7.58E-07	3.22E-07
4076	484363.09, 3854	8.75E-03	2.76E-06	1.17E-06	1.07E-02	3.38E-06	1.44E-06	9.35E-03	2.95E-06	1.25E-06
4077	484863.09, 3854	3.58E-03	1.13E-06	4.79E-07	4.38E-03	1.38E-06	5.87E-07	3.82E-03	1.21E-06	5.12E-07
4078	485363.09, 3854	1.74E-03	5.51E-07	2.34E-07	2.14E-03	6.75E-07	2.86E-07	1.86E-03	5.88E-07	2.50E-07
4079	485863.09, 3854	1.12E-03	3.52E-07	1.49E-07	1.37E-03	4.31E-07	1.83E-07	1.19E-03	3.77E-07	1.60E-07
4080	486363.09, 3854	8.08E-04	2.55E-07	1.08E-07	9.90E-04	3.13E-07	1.33E-07	8.66E-04	2.73E-07	1.16E-07
4081	486863.09, 3854	6.46E-04	2.04E-07	8.65E-08	7.92E-04	2.50E-07	1.06E-07	6.93E-04	2.19E-07	9.28E-08
4082	487363.09, 3854	5.88E-04	1.86E-07	7.88E-08	7.21E-04	2.28E-07	9.65E-08	6.31E-04	1.99E-07	8.45E-08
4083	487863.09, 3854	5.41E-04	1.71E-07	7.25E-08	6.63E-04	2.09E-07	8.88E-08	5.81E-04	1.83E-07	7.78E-08
4084	488363.09, 3854	5.02E-04	1.58E-07	6.72E-08	6.15E-04	1.94E-07	8.24E-08	5.39E-04	1.70E-07	7.22E-08
4085	488863.09, 3854	4.71E-04	1.49E-07	6.30E-08	5.77E-04	1.82E-07	7.72E-08	5.06E-04	1.60E-07	6.77E-08
4086	489363.09, 3854	4.33E-04	1.37E-07	5.79E-08	5.30E-04	1.67E-07	7.10E-08	4.65E-04	1.47E-07	6.23E-08
4087	489863.09, 3854	3.86E-04	1.22E-07	5.18E-08	4.73E-04	1.49E-07	6.34E-08	4.15E-04	1.31E-07	5.56E-08
4088	490363.09, 3854	2.94E-04	9.27E-08	3.93E-08	3.60E-04	1.14E-07	4.82E-08	3.16E-04	9.97E-08	4.23E-08
4089	490863.09, 3854	2.06E-04	6.50E-08	2.76E-08	2.52E-04	7.96E-08	3.38E-08	2.21E-04	6.98E-08	2.96E-08
4090	491363.09, 3854	2.16E-04	6.83E-08	2.90E-08	2.65E-04	8.36E-08	3.55E-08	2.32E-04	7.34E-08	3.11E-08
4091	491863.09, 3854	2.87E-04	9.07E-08	3.85E-08	3.52E-04	1.11E-07	4.71E-08	3.09E-04	9.75E-08	4.14E-08
4092	492363.09, 3854	2.74E-04	8.64E-08	3.67E-08	3.35E-04	1.06E-07	4.49E-08	2.94E-04	9.28E-08	3.94E-08
4093	492863.09, 3854	2.53E-04	7.98E-08	3.38E-08	3.10E-04	9.77E-08	4.15E-08	2.72E-04	8.57E-08	3.64E-08
4094	493363.09, 3854	2.30E-04	7.27E-08	3.09E-08	2.82E-04	8.91E-08	3.78E-08	2.48E-04	7.81E-08	3.31E-08
4095	493863.09, 3854	2.12E-04	6.68E-08	2.83E-08	2.59E-04	8.18E-08	3.47E-08	2.27E-04	7.17E-08	3.04E-08
4096	494363.09, 3854	1.65E-04	5.21E-08	2.21E-08	2.02E-04	6.39E-08	2.71E-08	1.77E-04	5.60E-08	2.38E-08
4097	494863.09, 3854	1.20E-04	3.79E-08	1.61E-08	1.47E-04	4.64E-08	1.97E-08	1.29E-04	4.07E-08	1.73E-08
4098	495363.09, 3854	9.44E-05	2.98E-08	1.26E-08	1.16E-04	3.65E-08	1.55E-08	1.01E-04	3.20E-08	1.36E-08
4099	495863.09, 3854	8.05E-05	2.54E-08	1.08E-08	9.86E-05	3.11E-08	1.32E-08	8.65E-05	2.73E-08	1.16E-08
4100	496363.09, 3854	6.42E-05	2.03E-08	8.60E-09	7.87E-05	2.48E-08	1.05E-08	6.90E-05	2.18E-08	9.24E-09
4101	496863.09, 3854	5.48E-05	1.73E-08	7.33E-09	6.71E-05	2.12E-08	8.98E-09	5.88E-05	1.86E-08	7.88E-09
4102	497363.09, 3854	5.13E-05	1.62E-08	6.87E-09	6.29E-05	1.98E-08	8.42E-09	5.51E-05	1.74E-08	7.38E-09
4103	497863.09, 3854	5.51E-05	1.74E-08	7.38E-09	6.75E-05	2.13E-08	9.04E-09	5.92E-05	1.87E-08	7.93E-09
4104	498363.09, 3854	5.27E-05	1.66E-08	7.06E-09	6.46E-05	2.04E-08	8.65E-09	5.66E-05	1.79E-08	7.58E-09
4105	471363.09, 3855	1.66E-05	5.25E-09	2.23E-09	2.04E-05	6.43E-09	2.73E-09	1.79E-05	5.64E-09	2.39E-09
4106	471863.09, 3855	1.75E-05	5.52E-09	2.34E-09	2.14E-05	6.76E-09	2.87E-09	1.88E-05	5.93E-09	2.52E-09
4107	472363.09, 3855	1.89E-05	5.98E-09	2.54E-09	2.32E-05	7.32E-09	3.11E-09	2.04E-05	6.42E-09	2.73E-09
4108	472863.09, 3855	1.99E-05	6.29E-09	2.67E-09	2.44E-05	7.70E-09	3.27E-09	2.14E-05	6.76E-09	2.87E-09
4109	473363.09, 3855	2.19E-05	6.91E-09	2.93E-09	2.68E-05	8.47E-09	3.59E-09	2.35E-05	7.43E-09	3.15E-09
4110	473863.09, 3855	2.38E-05	7.50E-09	3.18E-09	2.91E-05	9.18E-09	3.90E-09	2.55E-05	8.05E-09	3.42E-09
4111	474363.09, 3855	2.56E-05	8.09E-09	3.43E-09	3.14E-05	9.90E-09	4.20E-09	2.75E-05	8.69E-09	3.69E-09
4112	474863.09, 3855	2.33E-05	7.35E-09	3.12E-09	2.85E-05	9.01E-09	3.82E-09	2.50E-05	7.90E-09	3.35E-09
4113	475363.09, 3855	1.19E-05	3.76E-09	1.60E-09	1.46E-05	4.61E-09	1.95E-09	1.28E-05	4.04E-09	1.71E-09
4114	475863.09, 3855	8.94E-06	2.82E-09	1.20E-09	1.10E-05	3.46E-09	1.47E-09	9.60E-06	3.03E-09	1.29E-09

4115	476363.09, 3855	1.07E-05	3.38E-09	1.44E-09	1.31E-05	4.14E-09	1.76E-09	1.15E-05	3.63E-09	1.54E-09
4116	476863.09, 3855	1.05E-05	3.33E-09	1.41E-09	1.29E-05	4.08E-09	1.73E-09	1.13E-05	3.57E-09	1.52E-09
4117	477363.09, 3855	1.19E-05	3.76E-09	1.60E-09	1.46E-05	4.61E-09	1.95E-09	1.28E-05	4.04E-09	1.71E-09
4118	477863.09, 3855	1.60E-05	5.06E-09	2.15E-09	1.96E-05	6.20E-09	2.63E-09	1.72E-05	5.44E-09	2.31E-09
4119	478363.09, 3855	2.14E-05	6.77E-09	2.87E-09	2.63E-05	8.29E-09	3.52E-09	2.30E-05	7.27E-09	3.08E-09
4120	478863.09, 3855	2.81E-05	8.86E-09	3.76E-09	3.44E-05	1.09E-08	4.61E-09	3.02E-05	9.52E-09	4.04E-09
4121	479363.09, 3855	3.98E-05	1.26E-08	5.33E-09	4.88E-05	1.54E-08	6.53E-09	4.28E-05	1.35E-08	5.73E-09
4122	479863.09, 3855	5.41E-05	1.71E-08	7.25E-09	6.63E-05	2.09E-08	8.88E-09	5.81E-05	1.84E-08	7.79E-09
4123	480363.09, 3855	8.37E-05	2.64E-08	1.12E-08	1.02E-04	3.23E-08	1.37E-08	8.99E-05	2.84E-08	1.20E-08
4124	480863.09, 3855	1.24E-04	3.91E-08	1.66E-08	1.52E-04	4.78E-08	2.03E-08	1.33E-04	4.19E-08	1.78E-08
4125	481363.09, 3855	1.65E-04	5.22E-08	2.21E-08	2.03E-04	6.39E-08	2.71E-08	1.78E-04	5.60E-08	2.38E-08
4126	481863.09, 3855	2.04E-04	6.43E-08	2.73E-08	2.50E-04	7.88E-08	3.34E-08	2.19E-04	6.91E-08	2.93E-08
4127	482363.09, 3855	2.46E-04	7.78E-08	3.30E-08	3.02E-04	9.53E-08	4.04E-08	2.65E-04	8.35E-08	3.54E-08
4128	482863.09, 3855	3.33E-04	1.05E-07	4.46E-08	4.08E-04	1.29E-07	5.46E-08	3.58E-04	1.13E-07	4.79E-08
4129	483363.09, 3855	4.77E-04	1.51E-07	6.39E-08	5.84E-04	1.84E-07	7.83E-08	5.11E-04	1.61E-07	6.85E-08
4130	483863.09, 3855	8.05E-04	2.54E-07	1.08E-07	9.86E-04	3.11E-07	1.32E-07	8.61E-04	2.72E-07	1.15E-07
4131	484363.09, 3855	1.97E-03	6.22E-07	2.64E-07	2.41E-03	7.62E-07	3.23E-07	2.11E-03	6.66E-07	2.83E-07
4132	484863.09, 3855	6.24E-03	1.97E-06	8.36E-07	7.64E-03	2.41E-06	1.02E-06	6.72E-03	2.12E-06	8.99E-07
4133	485363.09, 3855	4.94E-03	1.56E-06	6.61E-07	6.05E-03	1.91E-06	8.10E-07	5.32E-03	1.68E-06	7.12E-07
4134	485863.09, 3855	2.37E-03	7.48E-07	3.17E-07	2.90E-03	9.16E-07	3.89E-07	2.55E-03	8.05E-07	3.41E-07
4135	486363.09, 3855	1.50E-03	4.73E-07	2.01E-07	1.84E-03	5.80E-07	2.46E-07	1.61E-03	5.09E-07	2.16E-07
4136	486863.09, 3855	1.08E-03	3.39E-07	1.44E-07	1.32E-03	4.16E-07	1.76E-07	1.16E-03	3.65E-07	1.55E-07
4137	487363.09, 3855	9.28E-04	2.93E-07	1.24E-07	1.14E-03	3.59E-07	1.52E-07	9.98E-04	3.15E-07	1.34E-07
4138	487863.09, 3855	8.13E-04	2.57E-07	1.09E-07	9.96E-04	3.14E-07	1.33E-07	8.75E-04	2.76E-07	1.17E-07
4139	488363.09, 3855	7.22E-04	2.28E-07	9.66E-08	8.84E-04	2.79E-07	1.18E-07	7.76E-04	2.45E-07	1.04E-07
4140	488863.09, 3855	6.45E-04	2.03E-07	8.63E-08	7.89E-04	2.49E-07	1.06E-07	6.93E-04	2.19E-07	9.28E-08
4141	489363.09, 3855	5.76E-04	1.82E-07	7.71E-08	7.05E-04	2.22E-07	9.44E-08	6.19E-04	1.95E-07	8.29E-08
4142	489863.09, 3855	5.11E-04	1.61E-07	6.84E-08	6.26E-04	1.97E-07	8.38E-08	5.49E-04	1.73E-07	7.36E-08
4143	490363.09, 3855	4.67E-04	1.48E-07	6.26E-08	5.73E-04	1.81E-07	7.67E-08	5.03E-04	1.59E-07	6.73E-08
4144	490863.09, 3855	3.19E-04	1.01E-07	4.28E-08	3.91E-04	1.23E-07	5.24E-08	3.43E-04	1.08E-07	4.60E-08
4145	491363.09, 3855	2.64E-04	8.34E-08	3.54E-08	3.24E-04	1.02E-07	4.33E-08	2.84E-04	8.96E-08	3.80E-08
4146	491863.09, 3855	3.45E-04	1.09E-07	4.62E-08	4.23E-04	1.33E-07	5.66E-08	3.71E-04	1.17E-07	4.97E-08
4147	492363.09, 3855	3.21E-04	1.01E-07	4.30E-08	3.93E-04	1.24E-07	5.26E-08	3.45E-04	1.09E-07	4.62E-08
4148	492863.09, 3855	2.92E-04	9.21E-08	3.91E-08	3.57E-04	1.13E-07	4.79E-08	3.14E-04	9.89E-08	4.20E-08
4149	493363.09, 3855	2.55E-04	8.05E-08	3.42E-08	3.12E-04	9.86E-08	4.18E-08	2.74E-04	8.65E-08	3.67E-08
4150	493863.09, 3855	1.99E-04	6.29E-08	2.67E-08	2.44E-04	7.71E-08	3.27E-08	2.14E-04	6.76E-08	2.87E-08
4151	494363.09, 3855	1.46E-04	4.59E-08	1.95E-08	1.78E-04	5.63E-08	2.39E-08	1.56E-04	4.93E-08	2.09E-08
4152	494863.09, 3855	1.04E-04	3.30E-08	1.40E-08	1.28E-04	4.04E-08	1.71E-08	1.12E-04	3.54E-08	1.50E-08
4153	495363.09, 3855	7.97E-05	2.52E-08	1.07E-08	9.76E-05	3.08E-08	1.31E-08	8.56E-05	2.70E-08	1.15E-08
4154	495863.09, 3855	6.45E-05	2.04E-08	8.64E-09	7.90E-05	2.49E-08	1.06E-08	6.93E-05	2.19E-08	9.27E-09
4155	496363.09, 3855	6.01E-05	1.90E-08	8.04E-09	7.36E-05	2.32E-08	9.85E-09	6.45E-05	2.04E-08	8.64E-09
4156	496863.09, 3855	5.67E-05	1.79E-08	7.60E-09	6.95E-05	2.19E-08	9.31E-09	6.09E-05	1.92E-08	8.16E-09
4157	497363.09, 3855	5.58E-05	1.76E-08	7.47E-09	6.84E-05	2.16E-08	9.15E-09	5.99E-05	1.89E-08	8.02E-09
4158	497863.09, 3855	5.72E-05	1.80E-08	7.65E-09	7.00E-05	2.21E-08	9.37E-09	6.14E-05	1.94E-08	8.22E-09
4159	498363.09, 3855	5.94E-05	1.87E-08	7.95E-09	7.27E-05	2.29E-08	9.74E-09	6.37E-05	2.01E-08	8.54E-09
4160	471363.09, 3855	1.70E-05	5.38E-09	2.28E-09	2.09E-05	6.59E-09	2.79E-09	1.83E-05	5.78E-09	2.45E-09
4161	471863.09, 3855	1.80E-05	5.67E-09	2.41E-09	2.20E-05	6.95E-09	2.95E-09	1.93E-05	6.09E-09	2.58E-09
4162	472363.09, 3855	1.97E-05	6.22E-09	2.64E-09	2.41E-05	7.62E-09	3.23E-09	2.12E-05	6.68E-09	2.83E-09
4163	472863.09, 3855	2.05E-05	6.47E-09	2.75E-09	2.51E-05	7.93E-09	3.36E-09	2.20E-05	6.95E-09	2.95E-09
4164	473363.09, 3855	2.28E-05	7.21E-09	3.06E-09	2.80E-05	8.83E-09	3.75E-09	2.45E-05	7.74E-09	3.28E-09
4165	473863.09, 3855	2.49E-05	7.85E-09	3.33E-09	3.05E-05	9.61E-09	4.08E-09	2.67E-05	8.43E-09	3.58E-09
4166	474363.09, 3855	2.66E-05	8.39E-09	3.56E-09	3.26E-05	1.03E-08	4.36E-09	2.85E-05	9.01E-09	3.82E-09
4167	474863.09, 3855	2.30E-05	7.24E-09	3.07E-09	2.81E-05	8.87E-09	3.76E-09	2.46E-05	7.78E-09	3.30E-09
4168	475363.09, 3855	1.51E-05	4.78E-09	2.03E-09	1.85E-05	5.85E-09	2.48E-09	1.63E-05	5.13E-09	2.18E-09
4169	475863.09, 3855	6.58E-06	2.08E-09	8.81E-10	8.05E-06	2.54E-09	1.08E-09	7.06E-06	2.23E-09	9.46E-10
4170	476363.09, 3855	7.11E-06	2.24E-09	9.52E-10	8.71E-06	2.75E-09	1.17E-09	7.63E-06	2.41E-09	1.02E-09
4171	476863.09, 3855	1.09E-05	3.45E-09	1.46E-09	1.34E-05	4.22E-09	1.79E-09	1.17E-05	3.70E-09	1.57E-09
4172	477363.09, 3855	1.36E-05	4.28E-09	1.82E-09	1.66E-05	5.25E-09	2.23E-09	1.46E-05	4.60E-09	1.95E-09

4173	477863.09, 3855	1.71E-05	5.40E-09	2.29E-09	2.10E-05	6.62E-09	2.81E-09	1.84E-05	5.80E-09	2.46E-09
4174	478363.09, 3855	2.26E-05	7.13E-09	3.03E-09	2.77E-05	8.74E-09	3.71E-09	2.43E-05	7.66E-09	3.25E-09
4175	478863.09, 3855	3.10E-05	9.77E-09	4.15E-09	3.79E-05	1.20E-08	5.08E-09	3.33E-05	1.05E-08	4.45E-09
4176	479363.09, 3855	4.42E-05	1.40E-08	5.92E-09	5.42E-05	1.71E-08	7.26E-09	4.75E-05	1.50E-08	6.36E-09
4177	479863.09, 3855	6.04E-05	1.91E-08	8.09E-09	7.40E-05	2.34E-08	9.91E-09	6.49E-05	2.05E-08	8.69E-09
4178	480363.09, 3855	8.56E-05	2.70E-08	1.15E-08	1.05E-04	3.31E-08	1.40E-08	9.19E-05	2.90E-08	1.23E-08
4179	480863.09, 3855	1.20E-04	3.79E-08	1.61E-08	1.47E-04	4.64E-08	1.97E-08	1.29E-04	4.07E-08	1.73E-08
4180	481363.09, 3855	1.43E-04	4.52E-08	1.92E-08	1.76E-04	5.54E-08	2.35E-08	1.54E-04	4.86E-08	2.06E-08
4181	481863.09, 3855	1.99E-04	6.27E-08	2.66E-08	2.43E-04	7.67E-08	3.26E-08	2.13E-04	6.73E-08	2.85E-08
4182	482363.09, 3855	2.28E-04	7.21E-08	3.06E-08	2.80E-04	8.83E-08	3.75E-08	2.45E-04	7.74E-08	3.28E-08
4183	482863.09, 3855	2.89E-04	9.12E-08	3.87E-08	3.54E-04	1.12E-07	4.74E-08	3.10E-04	9.79E-08	4.16E-08
4184	483363.09, 3855	3.78E-04	1.19E-07	5.06E-08	4.63E-04	1.46E-07	6.20E-08	4.06E-04	1.28E-07	5.43E-08
4185	483863.09, 3855	5.24E-04	1.65E-07	7.02E-08	6.42E-04	2.03E-07	8.59E-08	5.63E-04	1.78E-07	7.53E-08
4186	484363.09, 3855	8.14E-04	2.57E-07	1.09E-07	9.97E-04	3.15E-07	1.33E-07	8.75E-04	2.76E-07	1.17E-07
4187	484863.09, 3855	1.66E-03	5.23E-07	2.22E-07	2.03E-03	6.40E-07	2.72E-07	1.78E-03	5.63E-07	2.39E-07
4188	485363.09, 3855	7.07E-03	2.23E-06	9.47E-07	8.66E-03	2.73E-06	1.16E-06	7.64E-03	2.41E-06	1.02E-06
4189	485863.09, 3855	6.24E-03	1.97E-06	8.35E-07	7.64E-03	2.41E-06	1.02E-06	6.73E-03	2.12E-06	9.01E-07
4190	486363.09, 3855	2.54E-03	8.00E-07	3.40E-07	3.11E-03	9.80E-07	4.16E-07	2.73E-03	8.63E-07	3.66E-07
4191	486863.09, 3855	1.69E-03	5.35E-07	2.27E-07	2.08E-03	6.55E-07	2.78E-07	1.83E-03	5.76E-07	2.45E-07
4192	487363.09, 3855	1.37E-03	4.33E-07	1.84E-07	1.68E-03	5.31E-07	2.25E-07	1.48E-03	4.67E-07	1.98E-07
4193	487863.09, 3855	1.14E-03	3.61E-07	1.53E-07	1.40E-03	4.42E-07	1.88E-07	1.23E-03	3.89E-07	1.65E-07
4194	488363.09, 3855	9.66E-04	3.05E-07	1.29E-07	1.18E-03	3.73E-07	1.58E-07	1.04E-03	3.28E-07	1.39E-07
4195	488863.09, 3855	8.29E-04	2.62E-07	1.11E-07	1.02E-03	3.21E-07	1.36E-07	8.93E-04	2.82E-07	1.20E-07
4196	489363.09, 3855	7.20E-04	2.27E-07	9.65E-08	8.82E-04	2.78E-07	1.18E-07	7.75E-04	2.45E-07	1.04E-07
4197	489863.09, 3855	6.32E-04	1.99E-07	8.46E-08	7.74E-04	2.44E-07	1.04E-07	6.80E-04	2.14E-07	9.10E-08
4198	490363.09, 3855	5.60E-04	1.77E-07	7.50E-08	6.86E-04	2.17E-07	9.19E-08	6.02E-04	1.90E-07	8.06E-08
4199	490863.09, 3855	4.97E-04	1.57E-07	6.65E-08	6.08E-04	1.92E-07	8.15E-08	5.34E-04	1.68E-07	7.15E-08
4200	491363.09, 3855	4.24E-04	1.34E-07	5.67E-08	5.19E-04	1.64E-07	6.95E-08	4.55E-04	1.44E-07	6.10E-08
4201	491863.09, 3855	4.01E-04	1.26E-07	5.37E-08	4.91E-04	1.55E-07	6.57E-08	4.30E-04	1.36E-07	5.76E-08
4202	492363.09, 3855	3.58E-04	1.13E-07	4.79E-08	4.38E-04	1.38E-07	5.87E-08	3.84E-04	1.21E-07	5.14E-08
4203	492863.09, 3855	3.21E-04	1.01E-07	4.29E-08	3.93E-04	1.24E-07	5.26E-08	3.44E-04	1.09E-07	4.61E-08
4204	493363.09, 3855	2.53E-04	7.97E-08	3.38E-08	3.09E-04	9.77E-08	4.14E-08	2.71E-04	8.56E-08	3.63E-08
4205	493863.09, 3855	1.78E-04	5.60E-08	2.38E-08	2.18E-04	6.86E-08	2.91E-08	1.91E-04	6.02E-08	2.55E-08
4206	494363.09, 3855	1.23E-04	3.87E-08	1.64E-08	1.50E-04	4.74E-08	2.01E-08	1.32E-04	4.15E-08	1.76E-08
4207	494863.09, 3855	9.06E-05	2.86E-08	1.21E-08	1.11E-04	3.50E-08	1.49E-08	9.73E-05	3.07E-08	1.30E-08
4208	495363.09, 3855	6.41E-05	2.02E-08	8.59E-09	7.85E-05	2.48E-08	1.05E-08	6.89E-05	2.17E-08	9.22E-09
4209	495863.09, 3855	6.03E-05	1.90E-08	8.08E-09	7.39E-05	2.33E-08	9.90E-09	6.48E-05	2.04E-08	8.68E-09
4210	496363.09, 3855	5.79E-05	1.83E-08	7.75E-09	7.09E-05	2.24E-08	9.49E-09	6.21E-05	1.96E-08	8.32E-09
4211	496863.09, 3855	5.82E-05	1.84E-08	7.79E-09	7.12E-05	2.25E-08	9.54E-09	6.24E-05	1.97E-08	8.36E-09
4212	497363.09, 3855	5.90E-05	1.86E-08	7.90E-09	7.22E-05	2.28E-08	9.67E-09	6.33E-05	2.00E-08	8.48E-09
4213	497863.09, 3855	6.11E-05	1.93E-08	8.18E-09	7.48E-05	2.36E-08	1.00E-08	6.56E-05	2.07E-08	8.78E-09
4214	498363.09, 3855	6.80E-05	2.15E-08	9.10E-09	8.32E-05	2.63E-08	1.11E-08	7.30E-05	2.30E-08	9.77E-09
4215	471363.09, 3856	1.77E-05	5.58E-09	2.37E-09	2.17E-05	6.84E-09	2.90E-09	1.90E-05	5.99E-09	2.54E-09
4216	471863.09, 3856	1.86E-05	5.86E-09	2.48E-09	2.27E-05	7.17E-09	3.04E-09	1.99E-05	6.29E-09	2.67E-09
4217	472363.09, 3856	2.00E-05	6.30E-09	2.67E-09	2.44E-05	7.71E-09	3.27E-09	2.14E-05	6.76E-09	2.87E-09
4218	472863.09, 3856	2.17E-05	6.84E-09	2.90E-09	2.65E-05	8.38E-09	3.55E-09	2.33E-05	7.34E-09	3.12E-09
4219	473363.09, 3856	2.33E-05	7.35E-09	3.12E-09	2.85E-05	9.00E-09	3.82E-09	2.50E-05	7.89E-09	3.35E-09
4220	473863.09, 3856	2.58E-05	8.14E-09	3.45E-09	3.16E-05	9.97E-09	4.23E-09	2.77E-05	8.74E-09	3.71E-09
4221	474363.09, 3856	2.63E-05	8.30E-09	3.52E-09	3.22E-05	1.02E-08	4.31E-09	2.82E-05	8.91E-09	3.78E-09
4222	474863.09, 3856	2.59E-05	8.16E-09	3.46E-09	3.17E-05	1.00E-08	4.24E-09	2.78E-05	8.77E-09	3.72E-09
4223	475363.09, 3856	2.18E-05	6.88E-09	2.92E-09	2.67E-05	8.43E-09	3.58E-09	2.34E-05	7.39E-09	3.14E-09
4224	475863.09, 3856	1.51E-05	4.76E-09	2.02E-09	1.85E-05	5.83E-09	2.48E-09	1.62E-05	5.12E-09	2.17E-09
4225	476363.09, 3856	1.42E-05	4.48E-09	1.90E-09	1.74E-05	5.48E-09	2.33E-09	1.52E-05	4.81E-09	2.04E-09
4226	476863.09, 3856	1.46E-05	4.62E-09	1.96E-09	1.79E-05	5.66E-09	2.40E-09	1.57E-05	4.96E-09	2.10E-09
4227	477363.09, 3856	1.59E-05	5.03E-09	2.13E-09	1.95E-05	6.16E-09	2.61E-09	1.71E-05	5.40E-09	2.29E-09
4228	477863.09, 3856	1.28E-05	4.05E-09	1.72E-09	1.57E-05	4.96E-09	2.11E-09	1.38E-05	4.35E-09	1.85E-09
4229	478363.09, 3856	1.16E-05	3.66E-09	1.55E-09	1.42E-05	4.48E-09	1.90E-09	1.25E-05	3.93E-09	1.67E-09
4230	478863.09, 3856	2.43E-05	7.67E-09	3.25E-09	2.98E-05	9.39E-09	3.98E-09	2.61E-05	8.24E-09	3.49E-09

4231	479363.09, 3856	3.34E-05	1.05E-08	4.47E-09	4.09E-05	1.29E-08	5.48E-09	3.59E-05	1.13E-08	4.80E-09
4232	479863.09, 3856	5.96E-05	1.88E-08	7.99E-09	7.31E-05	2.31E-08	9.78E-09	6.41E-05	2.02E-08	8.58E-09
4233	480363.09, 3856	9.08E-05	2.86E-08	1.22E-08	1.11E-04	3.51E-08	1.49E-08	9.74E-05	3.07E-08	1.30E-08
4234	480863.09, 3856	1.20E-04	3.77E-08	1.60E-08	1.46E-04	4.62E-08	1.96E-08	1.28E-04	4.05E-08	1.72E-08
4235	481363.09, 3856	1.52E-04	4.81E-08	2.04E-08	1.87E-04	5.89E-08	2.50E-08	1.63E-04	5.16E-08	2.19E-08
4236	481863.09, 3856	1.82E-04	5.74E-08	2.43E-08	2.23E-04	7.03E-08	2.98E-08	1.95E-04	6.16E-08	2.61E-08
4237	482363.09, 3856	2.04E-04	6.44E-08	2.73E-08	2.50E-04	7.89E-08	3.35E-08	2.19E-04	6.92E-08	2.94E-08
4238	482863.09, 3856	2.49E-04	7.87E-08	3.34E-08	3.06E-04	9.64E-08	4.09E-08	2.68E-04	8.46E-08	3.59E-08
4239	483363.09, 3856	3.12E-04	9.84E-08	4.18E-08	3.82E-04	1.21E-07	5.11E-08	3.35E-04	1.06E-07	4.49E-08
4240	483863.09, 3856	4.01E-04	1.26E-07	5.36E-08	4.91E-04	1.55E-07	6.57E-08	4.31E-04	1.36E-07	5.77E-08
4241	484363.09, 3856	5.25E-04	1.66E-07	7.02E-08	6.42E-04	2.03E-07	8.60E-08	5.64E-04	1.78E-07	7.56E-08
4242	484863.09, 3856	7.54E-04	2.38E-07	1.01E-07	9.23E-04	2.91E-07	1.24E-07	8.12E-04	2.56E-07	1.09E-07
4243	485363.09, 3856	1.38E-03	4.37E-07	1.85E-07	1.69E-03	5.35E-07	2.27E-07	1.49E-03	4.71E-07	2.00E-07
4244	485863.09, 3856	5.25E-03	1.66E-06	7.03E-07	6.43E-03	2.03E-06	8.61E-07	5.67E-03	1.79E-06	7.59E-07
4245	486363.09, 3856	6.64E-03	2.10E-06	8.90E-07	8.14E-03	2.57E-06	1.09E-06	7.17E-03	2.26E-06	9.60E-07
4246	486863.09, 3856	3.07E-03	9.70E-07	4.12E-07	3.77E-03	1.19E-06	5.04E-07	3.32E-03	1.05E-06	4.44E-07
4247	487363.09, 3856	2.04E-03	6.45E-07	2.74E-07	2.50E-03	7.90E-07	3.35E-07	2.20E-03	6.96E-07	2.95E-07
4248	487863.09, 3856	1.54E-03	4.85E-07	2.06E-07	1.88E-03	5.93E-07	2.52E-07	1.65E-03	5.22E-07	2.22E-07
4249	488363.09, 3856	1.22E-03	3.84E-07	1.63E-07	1.49E-03	4.70E-07	2.00E-07	1.31E-03	4.14E-07	1.75E-07
4250	488863.09, 3856	1.00E-03	3.16E-07	1.34E-07	1.22E-03	3.86E-07	1.64E-07	1.08E-03	3.39E-07	1.44E-07
4251	489363.09, 3856	8.42E-04	2.66E-07	1.13E-07	1.03E-03	3.25E-07	1.38E-07	9.05E-04	2.86E-07	1.21E-07
4252	489863.09, 3856	7.22E-04	2.28E-07	9.67E-08	8.85E-04	2.79E-07	1.18E-07	7.76E-04	2.45E-07	1.04E-07
4253	490363.09, 3856	6.27E-04	1.98E-07	8.40E-08	7.68E-04	2.42E-07	1.03E-07	6.73E-04	2.13E-07	9.02E-08
4254	490863.09, 3856	5.51E-04	1.74E-07	7.37E-08	6.74E-04	2.13E-07	9.03E-08	5.91E-04	1.87E-07	7.91E-08
4255	491363.09, 3856	4.87E-04	1.54E-07	6.52E-08	5.97E-04	1.88E-07	7.99E-08	5.23E-04	1.65E-07	7.00E-08
4256	491863.09, 3856	4.33E-04	1.37E-07	5.79E-08	5.30E-04	1.67E-07	7.10E-08	4.64E-04	1.47E-07	6.22E-08
4257	492363.09, 3856	3.81E-04	1.20E-07	5.10E-08	4.66E-04	1.47E-07	6.25E-08	4.09E-04	1.29E-07	5.47E-08
4258	492863.09, 3856	3.14E-04	9.91E-08	4.21E-08	3.85E-04	1.21E-07	5.15E-08	3.37E-04	1.06E-07	4.51E-08
4259	493363.09, 3856	2.03E-04	6.40E-08	2.72E-08	2.48E-04	7.84E-08	3.33E-08	2.18E-04	6.87E-08	2.92E-08
4260	493863.09, 3856	1.53E-04	4.83E-08	2.05E-08	1.87E-04	5.91E-08	2.51E-08	1.64E-04	5.18E-08	2.20E-08
4261	494363.09, 3856	1.08E-04	3.41E-08	1.45E-08	1.32E-04	4.18E-08	1.77E-08	1.16E-04	3.66E-08	1.55E-08
4262	494863.09, 3856	7.92E-05	2.50E-08	1.06E-08	9.70E-05	3.06E-08	1.30E-08	8.50E-05	2.68E-08	1.14E-08
4263	495363.09, 3856	6.31E-05	1.99E-08	8.45E-09	7.73E-05	2.44E-08	1.04E-08	6.78E-05	2.14E-08	9.07E-09
4264	495863.09, 3856	5.90E-05	1.86E-08	7.90E-09	7.22E-05	2.28E-08	9.67E-09	6.33E-05	2.00E-08	8.48E-09
4265	496363.09, 3856	5.77E-05	1.82E-08	7.73E-09	7.07E-05	2.23E-08	9.47E-09	6.20E-05	1.96E-08	8.30E-09
4266	496863.09, 3856	6.06E-05	1.91E-08	8.12E-09	7.42E-05	2.34E-08	9.94E-09	6.51E-05	2.05E-08	8.71E-09
4267	497363.09, 3856	6.29E-05	1.99E-08	8.42E-09	7.70E-05	2.43E-08	1.03E-08	6.75E-05	2.13E-08	9.04E-09
4268	497863.09, 3856	6.77E-05	2.14E-08	9.06E-09	8.29E-05	2.62E-08	1.11E-08	7.27E-05	2.29E-08	9.73E-09
4269	498363.09, 3856	7.43E-05	2.35E-08	9.95E-09	9.10E-05	2.87E-08	1.22E-08	7.98E-05	2.52E-08	1.07E-08
4270	471363.09, 3856	1.81E-05	5.72E-09	2.43E-09	2.22E-05	7.00E-09	2.97E-09	1.94E-05	6.14E-09	2.60E-09
4271	471863.09, 3856	1.88E-05	5.94E-09	2.52E-09	2.30E-05	7.27E-09	3.09E-09	2.02E-05	6.37E-09	2.70E-09
4272	472363.09, 3856	2.01E-05	6.36E-09	2.70E-09	2.47E-05	7.79E-09	3.30E-09	2.16E-05	6.83E-09	2.90E-09
4273	472863.09, 3856	2.16E-05	6.81E-09	2.89E-09	2.64E-05	8.34E-09	3.54E-09	2.32E-05	7.31E-09	3.10E-09
4274	473363.09, 3856	2.39E-05	7.55E-09	3.20E-09	2.93E-05	9.25E-09	3.92E-09	2.57E-05	8.11E-09	3.44E-09
4275	473863.09, 3856	2.56E-05	8.09E-09	3.43E-09	3.14E-05	9.92E-09	4.21E-09	2.75E-05	8.69E-09	3.69E-09
4276	474363.09, 3856	2.59E-05	8.18E-09	3.47E-09	3.18E-05	1.00E-08	4.25E-09	2.78E-05	8.78E-09	3.73E-09
4277	474863.09, 3856	2.52E-05	7.96E-09	3.38E-09	3.09E-05	9.75E-09	4.14E-09	2.71E-05	8.55E-09	3.63E-09
4278	475363.09, 3856	2.23E-05	7.05E-09	2.99E-09	2.74E-05	8.64E-09	3.66E-09	2.40E-05	7.57E-09	3.21E-09
4279	475863.09, 3856	2.27E-05	7.18E-09	3.05E-09	2.79E-05	8.79E-09	3.73E-09	2.44E-05	7.71E-09	3.27E-09
4280	476363.09, 3856	2.01E-05	6.33E-09	2.69E-09	2.46E-05	7.76E-09	3.29E-09	2.15E-05	6.80E-09	2.89E-09
4281	476863.09, 3856	1.95E-05	6.16E-09	2.62E-09	2.39E-05	7.55E-09	3.20E-09	2.10E-05	6.62E-09	2.81E-09
4282	477363.09, 3856	1.74E-05	5.48E-09	2.33E-09	2.13E-05	6.71E-09	2.85E-09	1.86E-05	5.89E-09	2.50E-09
4283	477863.09, 3856	1.17E-05	3.70E-09	1.57E-09	1.44E-05	4.53E-09	1.92E-09	1.26E-05	3.97E-09	1.69E-09
4284	478363.09, 3856	1.04E-05	3.29E-09	1.40E-09	1.28E-05	4.03E-09	1.71E-09	1.12E-05	3.54E-09	1.50E-09
4285	478863.09, 3856	1.36E-05	4.31E-09	1.83E-09	1.67E-05	5.27E-09	2.24E-09	1.47E-05	4.62E-09	1.96E-09
4286	479363.09, 3856	1.90E-05	6.00E-09	2.55E-09	2.33E-05	7.35E-09	3.12E-09	2.04E-05	6.45E-09	2.73E-09
4287	479863.09, 3856	5.44E-05	1.72E-08	7.29E-09	6.67E-05	2.10E-08	8.93E-09	5.85E-05	1.85E-08	7.83E-09
4288	480363.09, 3856	8.81E-05	2.78E-08	1.18E-08	1.08E-04	3.41E-08	1.45E-08	9.46E-05	2.99E-08	1.27E-08

4289	480863.09, 3856	1.16E-04	3.67E-08	1.56E-08	1.42E-04	4.49E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
4290	481363.09, 3856	1.40E-04	4.43E-08	1.88E-08	1.72E-04	5.43E-08	2.30E-08	1.51E-04	4.76E-08	2.02E-08
4291	481863.09, 3856	1.65E-04	5.19E-08	2.20E-08	2.02E-04	6.36E-08	2.70E-08	1.77E-04	5.58E-08	2.37E-08
4292	482363.09, 3856	1.83E-04	5.79E-08	2.46E-08	2.25E-04	7.09E-08	3.01E-08	1.97E-04	6.22E-08	2.64E-08
4293	482863.09, 3856	2.15E-04	6.80E-08	2.88E-08	2.64E-04	8.33E-08	3.53E-08	2.31E-04	7.30E-08	3.10E-08
4294	483363.09, 3856	2.59E-04	8.19E-08	3.47E-08	3.18E-04	1.00E-07	4.26E-08	2.79E-04	8.80E-08	3.73E-08
4295	483863.09, 3856	3.18E-04	1.00E-07	4.25E-08	3.89E-04	1.23E-07	5.21E-08	3.41E-04	1.08E-07	4.57E-08
4296	484363.09, 3856	3.96E-04	1.25E-07	5.30E-08	4.84E-04	1.53E-07	6.49E-08	4.26E-04	1.34E-07	5.70E-08
4297	484863.09, 3856	5.05E-04	1.60E-07	6.77E-08	6.19E-04	1.95E-07	8.29E-08	5.44E-04	1.72E-07	7.28E-08
4298	485363.09, 3856	7.14E-04	2.25E-07	9.56E-08	8.74E-04	2.76E-07	1.17E-07	7.68E-04	2.42E-07	1.03E-07
4299	485863.09, 3856	1.19E-03	3.75E-07	1.59E-07	1.45E-03	4.59E-07	1.95E-07	1.28E-03	4.03E-07	1.71E-07
4300	486363.09, 3856	5.40E-03	1.71E-06	7.24E-07	6.62E-03	2.09E-06	8.86E-07	5.83E-03	1.84E-06	7.81E-07
4301	486863.09, 3856	8.01E-03	2.53E-06	1.07E-06	9.80E-03	3.09E-06	1.31E-06	8.64E-03	2.73E-06	1.16E-06
4302	487363.09, 3856	3.21E-03	1.01E-06	4.29E-07	3.93E-03	1.24E-06	5.26E-07	3.45E-03	1.09E-06	4.63E-07
4303	487863.09, 3856	1.95E-03	6.15E-07	2.61E-07	2.39E-03	7.54E-07	3.20E-07	2.09E-03	6.61E-07	2.80E-07
4304	488363.09, 3856	1.43E-03	4.51E-07	1.91E-07	1.75E-03	5.52E-07	2.34E-07	1.53E-03	4.83E-07	2.05E-07
4305	488863.09, 3856	1.13E-03	3.55E-07	1.51E-07	1.38E-03	4.35E-07	1.85E-07	1.21E-03	3.80E-07	1.61E-07
4306	489363.09, 3856	9.20E-04	2.90E-07	1.23E-07	1.13E-03	3.56E-07	1.51E-07	9.85E-04	3.11E-07	1.32E-07
4307	489863.09, 3856	7.72E-04	2.44E-07	1.03E-07	9.45E-04	2.98E-07	1.27E-07	8.27E-04	2.61E-07	1.11E-07
4308	490363.09, 3856	6.59E-04	2.08E-07	8.83E-08	8.07E-04	2.55E-07	1.08E-07	7.06E-04	2.23E-07	9.46E-08
4309	490863.09, 3856	5.70E-04	1.80E-07	7.63E-08	6.98E-04	2.20E-07	9.34E-08	6.11E-04	1.93E-07	8.18E-08
4310	491363.09, 3856	4.99E-04	1.58E-07	6.68E-08	6.11E-04	1.93E-07	8.19E-08	5.35E-04	1.69E-07	7.17E-08
4311	491863.09, 3856	4.40E-04	1.39E-07	5.90E-08	5.39E-04	1.70E-07	7.22E-08	4.72E-04	1.49E-07	6.32E-08
4312	492363.09, 3856	3.64E-04	1.15E-07	4.87E-08	4.45E-04	1.41E-07	5.96E-08	3.90E-04	1.23E-07	5.22E-08
4313	492863.09, 3856	2.86E-04	9.02E-08	3.83E-08	3.50E-04	1.10E-07	4.69E-08	3.06E-04	9.67E-08	4.10E-08
4314	493363.09, 3856	2.04E-04	6.45E-08	2.74E-08	2.50E-04	7.90E-08	3.35E-08	2.19E-04	6.92E-08	2.94E-08
4315	493863.09, 3856	1.35E-04	4.26E-08	1.81E-08	1.65E-04	5.22E-08	2.22E-08	1.45E-04	4.58E-08	1.94E-08
4316	494363.09, 3856	9.39E-05	2.96E-08	1.26E-08	1.15E-04	3.63E-08	1.54E-08	1.01E-04	3.18E-08	1.35E-08
4317	494863.09, 3856	7.69E-05	2.43E-08	1.03E-08	9.42E-05	2.97E-08	1.26E-08	8.26E-05	2.61E-08	1.11E-08
4318	495363.09, 3856	6.76E-05	2.13E-08	9.06E-09	8.28E-05	2.61E-08	1.11E-08	7.26E-05	2.29E-08	9.72E-09
4319	495863.09, 3856	6.45E-05	2.03E-08	8.63E-09	7.90E-05	2.49E-08	1.06E-08	6.92E-05	2.18E-08	9.27E-09
4320	496363.09, 3856	6.26E-05	1.98E-08	8.39E-09	7.67E-05	2.42E-08	1.03E-08	6.72E-05	2.12E-08	9.00E-09
4321	496863.09, 3856	6.32E-05	2.00E-08	8.47E-09	7.75E-05	2.44E-08	1.04E-08	6.79E-05	2.14E-08	9.09E-09
4322	497363.09, 3856	6.61E-05	2.09E-08	8.86E-09	8.10E-05	2.56E-08	1.08E-08	7.10E-05	2.24E-08	9.51E-09
4323	497863.09, 3856	7.41E-05	2.34E-08	9.92E-09	9.08E-05	2.86E-08	1.22E-08	7.95E-05	2.51E-08	1.07E-08
4324	498363.09, 3856	8.38E-05	2.65E-08	1.12E-08	1.03E-04	3.24E-08	1.37E-08	9.00E-05	2.84E-08	1.20E-08
4325	471363.09, 3857	1.84E-05	5.81E-09	2.46E-09	2.25E-05	7.12E-09	3.02E-09	1.98E-05	6.24E-09	2.65E-09
4326	471863.09, 3857	1.91E-05	6.02E-09	2.55E-09	2.34E-05	7.37E-09	3.13E-09	2.05E-05	6.47E-09	2.74E-09
4327	472363.09, 3857	2.02E-05	6.38E-09	2.71E-09	2.48E-05	7.81E-09	3.32E-09	2.17E-05	6.85E-09	2.91E-09
4328	472863.09, 3857	2.17E-05	6.84E-09	2.90E-09	2.65E-05	8.37E-09	3.55E-09	2.33E-05	7.34E-09	3.12E-09
4329	473363.09, 3857	2.35E-05	7.43E-09	3.15E-09	2.88E-05	9.10E-09	3.86E-09	2.53E-05	7.98E-09	3.39E-09
4330	473863.09, 3857	2.58E-05	8.15E-09	3.46E-09	3.16E-05	9.98E-09	4.23E-09	2.77E-05	8.75E-09	3.71E-09
4331	474363.09, 3857	2.55E-05	8.05E-09	3.42E-09	3.13E-05	9.86E-09	4.18E-09	2.74E-05	8.65E-09	3.67E-09
4332	474863.09, 3857	2.09E-05	6.59E-09	2.80E-09	2.56E-05	8.08E-09	3.43E-09	2.24E-05	7.08E-09	3.00E-09
4333	475363.09, 3857	1.47E-05	4.65E-09	1.97E-09	1.81E-05	5.70E-09	2.42E-09	1.58E-05	5.00E-09	2.12E-09
4334	475863.09, 3857	1.38E-05	4.34E-09	1.84E-09	1.68E-05	5.32E-09	2.26E-09	1.48E-05	4.66E-09	1.98E-09
4335	476363.09, 3857	1.86E-05	5.88E-09	2.50E-09	2.28E-05	7.21E-09	3.06E-09	2.00E-05	6.32E-09	2.68E-09
4336	476863.09, 3857	2.03E-05	6.40E-09	2.71E-09	2.48E-05	7.84E-09	3.32E-09	2.18E-05	6.87E-09	2.91E-09
4337	477363.09, 3857	1.77E-05	5.57E-09	2.36E-09	2.16E-05	6.83E-09	2.90E-09	1.90E-05	5.99E-09	2.54E-09
4338	477863.09, 3857	1.30E-05	4.09E-09	1.74E-09	1.59E-05	5.01E-09	2.13E-09	1.39E-05	4.39E-09	1.86E-09
4339	478363.09, 3857	9.78E-06	3.09E-09	1.31E-09	1.20E-05	3.78E-09	1.60E-09	1.05E-05	3.32E-09	1.41E-09
4340	478863.09, 3857	8.38E-06	2.65E-09	1.12E-09	1.03E-05	3.24E-09	1.38E-09	9.01E-06	2.84E-09	1.21E-09
4341	479363.09, 3857	1.42E-05	4.49E-09	1.91E-09	1.74E-05	5.50E-09	2.33E-09	1.53E-05	4.82E-09	2.05E-09
4342	479863.09, 3857	4.48E-05	1.42E-08	6.01E-09	5.49E-05	1.73E-08	7.36E-09	4.82E-05	1.52E-08	6.45E-09
4343	480363.09, 3857	3.60E-05	1.14E-08	4.83E-09	4.41E-05	1.39E-08	5.91E-09	3.87E-05	1.22E-08	5.18E-09
4344	480863.09, 3857	1.07E-04	3.38E-08	1.44E-08	1.31E-04	4.14E-08	1.76E-08	1.15E-04	3.64E-08	1.54E-08
4345	481363.09, 3857	1.22E-04	3.85E-08	1.63E-08	1.49E-04	4.71E-08	2.00E-08	1.31E-04	4.13E-08	1.75E-08
4346	481863.09, 3857	1.47E-04	4.63E-08	1.96E-08	1.80E-04	5.67E-08	2.41E-08	1.58E-04	4.97E-08	2.11E-08

4347	482363.09, 3857	1.67E-04	5.26E-08	2.23E-08	2.04E-04	6.44E-08	2.73E-08	1.79E-04	5.65E-08	2.40E-08
4348	482863.09, 3857	1.87E-04	5.91E-08	2.51E-08	2.30E-04	7.24E-08	3.07E-08	2.01E-04	6.35E-08	2.70E-08
4349	483363.09, 3857	2.17E-04	6.85E-08	2.90E-08	2.66E-04	8.38E-08	3.56E-08	2.33E-04	7.36E-08	3.12E-08
4350	483863.09, 3857	2.57E-04	8.10E-08	3.44E-08	3.14E-04	9.92E-08	4.21E-08	2.76E-04	8.71E-08	3.69E-08
4351	484363.09, 3857	3.04E-04	9.60E-08	4.07E-08	3.73E-04	1.18E-07	4.99E-08	3.27E-04	1.03E-07	4.38E-08
4352	484863.09, 3857	3.70E-04	1.17E-07	4.96E-08	4.54E-04	1.43E-07	6.07E-08	3.98E-04	1.26E-07	5.33E-08
4353	485363.09, 3857	4.65E-04	1.47E-07	6.23E-08	5.70E-04	1.80E-07	7.63E-08	5.00E-04	1.58E-07	6.70E-08
4354	485863.09, 3857	6.22E-04	1.96E-07	8.34E-08	7.62E-04	2.41E-07	1.02E-07	6.69E-04	2.11E-07	8.96E-08
4355	486363.09, 3857	1.02E-03	3.23E-07	1.37E-07	1.25E-03	3.96E-07	1.68E-07	1.10E-03	3.47E-07	1.47E-07
4356	486863.09, 3857	3.32E-03	1.05E-06	4.45E-07	4.07E-03	1.28E-06	5.45E-07	3.55E-03	1.12E-06	4.75E-07
4357	487363.09, 3857	6.20E-03	1.96E-06	8.31E-07	7.60E-03	2.40E-06	1.02E-06	6.46E-03	2.04E-06	8.66E-07
4358	487863.09, 3857	2.42E-03	7.64E-07	3.24E-07	2.96E-03	9.35E-07	3.97E-07	2.56E-03	8.08E-07	3.43E-07
4359	488363.09, 3857	1.58E-03	4.99E-07	2.12E-07	1.94E-03	6.11E-07	2.59E-07	1.68E-03	5.32E-07	2.26E-07
4360	488863.09, 3857	1.17E-03	3.69E-07	1.57E-07	1.43E-03	4.52E-07	1.92E-07	1.25E-03	3.94E-07	1.67E-07
4361	489363.09, 3857	9.23E-04	2.91E-07	1.24E-07	1.13E-03	3.57E-07	1.51E-07	9.87E-04	3.11E-07	1.32E-07
4362	489863.09, 3857	7.60E-04	2.40E-07	1.02E-07	9.31E-04	2.94E-07	1.25E-07	8.14E-04	2.57E-07	1.09E-07
4363	490363.09, 3857	6.41E-04	2.02E-07	8.58E-08	7.85E-04	2.48E-07	1.05E-07	6.86E-04	2.17E-07	9.19E-08
4364	490863.09, 3857	5.51E-04	1.74E-07	7.37E-08	6.74E-04	2.13E-07	9.03E-08	5.90E-04	1.86E-07	7.90E-08
4365	491363.09, 3857	4.80E-04	1.51E-07	6.42E-08	5.88E-04	1.85E-07	7.87E-08	5.14E-04	1.62E-07	6.89E-08
4366	491863.09, 3857	4.20E-04	1.32E-07	5.62E-08	5.14E-04	1.62E-07	6.88E-08	4.50E-04	1.42E-07	6.03E-08
4367	492363.09, 3857	3.27E-04	1.03E-07	4.38E-08	4.01E-04	1.27E-07	5.37E-08	3.51E-04	1.11E-07	4.70E-08
4368	492863.09, 3857	2.27E-04	7.15E-08	3.03E-08	2.78E-04	8.76E-08	3.72E-08	2.43E-04	7.67E-08	3.26E-08
4369	493363.09, 3857	1.51E-04	4.77E-08	2.02E-08	1.85E-04	5.84E-08	2.48E-08	1.62E-04	5.12E-08	2.17E-08
4370	493863.09, 3857	1.22E-04	3.85E-08	1.63E-08	1.49E-04	4.72E-08	2.00E-08	1.31E-04	4.13E-08	1.75E-08
4371	494363.09, 3857	9.70E-05	3.06E-08	1.30E-08	1.19E-04	3.75E-08	1.59E-08	1.04E-04	3.29E-08	1.39E-08
4372	494863.09, 3857	8.52E-05	2.69E-08	1.14E-08	1.04E-04	3.29E-08	1.40E-08	9.14E-05	2.89E-08	1.22E-08
4373	495363.09, 3857	7.61E-05	2.40E-08	1.02E-08	9.33E-05	2.94E-08	1.25E-08	8.17E-05	2.58E-08	1.09E-08
4374	495863.09, 3857	7.27E-05	2.30E-08	9.74E-09	8.91E-05	2.81E-08	1.19E-08	7.81E-05	2.46E-08	1.05E-08
4375	496363.09, 3857	7.08E-05	2.24E-08	9.48E-09	8.67E-05	2.74E-08	1.16E-08	7.60E-05	2.40E-08	1.02E-08
4376	496863.09, 3857	7.01E-05	2.21E-08	9.38E-09	8.58E-05	2.71E-08	1.15E-08	7.52E-05	2.37E-08	1.01E-08
4377	497363.09, 3857	7.29E-05	2.30E-08	9.76E-09	8.93E-05	2.82E-08	1.20E-08	7.83E-05	2.47E-08	1.05E-08
4378	497863.09, 3857	7.86E-05	2.48E-08	1.05E-08	9.63E-05	3.04E-08	1.29E-08	8.44E-05	2.66E-08	1.13E-08
4379	498363.09, 3857	9.51E-05	3.00E-08	1.27E-08	1.16E-04	3.68E-08	1.56E-08	1.02E-04	3.22E-08	1.37E-08
4380	471363.09, 3857	1.84E-05	5.82E-09	2.47E-09	2.26E-05	7.13E-09	3.02E-09	1.98E-05	6.25E-09	2.65E-09
4381	471863.09, 3857	1.93E-05	6.08E-09	2.58E-09	2.36E-05	7.45E-09	3.16E-09	2.07E-05	6.53E-09	2.77E-09
4382	472363.09, 3857	2.05E-05	6.46E-09	2.74E-09	2.51E-05	7.91E-09	3.36E-09	2.20E-05	6.94E-09	2.94E-09
4383	472863.09, 3857	2.22E-05	7.02E-09	2.98E-09	2.72E-05	8.60E-09	3.65E-09	2.39E-05	7.54E-09	3.20E-09
4384	473363.09, 3857	2.37E-05	7.49E-09	3.18E-09	2.91E-05	9.18E-09	3.89E-09	2.55E-05	8.05E-09	3.42E-09
4385	473863.09, 3857	2.59E-05	8.16E-09	3.46E-09	3.17E-05	1.00E-08	4.24E-09	2.78E-05	8.77E-09	3.72E-09
4386	474363.09, 3857	2.53E-05	7.98E-09	3.38E-09	3.10E-05	9.77E-09	4.15E-09	2.71E-05	8.57E-09	3.64E-09
4387	474863.09, 3857	2.00E-05	6.31E-09	2.68E-09	2.45E-05	7.73E-09	3.28E-09	2.15E-05	6.78E-09	2.88E-09
4388	475363.09, 3857	1.10E-05	3.48E-09	1.48E-09	1.35E-05	4.26E-09	1.81E-09	1.18E-05	3.74E-09	1.59E-09
4389	475863.09, 3857	4.90E-06	1.55E-09	6.56E-10	6.00E-06	1.89E-09	8.04E-10	5.26E-06	1.66E-09	7.05E-10
4390	476363.09, 3857	1.28E-05	4.04E-09	1.71E-09	1.57E-05	4.95E-09	2.10E-09	1.37E-05	4.34E-09	1.84E-09
4391	476863.09, 3857	1.64E-05	5.18E-09	2.20E-09	2.01E-05	6.34E-09	2.69E-09	1.76E-05	5.56E-09	2.36E-09
4392	477363.09, 3857	1.61E-05	5.08E-09	2.16E-09	1.97E-05	6.22E-09	2.64E-09	1.73E-05	5.46E-09	2.32E-09
4393	477863.09, 3857	1.55E-05	4.90E-09	2.08E-09	1.90E-05	6.01E-09	2.55E-09	1.67E-05	5.27E-09	2.24E-09
4394	478363.09, 3857	8.25E-06	2.60E-09	1.11E-09	1.01E-05	3.19E-09	1.35E-09	8.86E-06	2.80E-09	1.19E-09
4395	478863.09, 3857	6.73E-06	2.13E-09	9.02E-10	8.25E-06	2.60E-09	1.10E-09	7.23E-06	2.28E-09	9.68E-10
4396	479363.09, 3857	4.01E-05	1.27E-08	5.38E-09	4.92E-05	1.55E-08	6.59E-09	4.31E-05	1.36E-08	5.77E-09
4397	479863.09, 3857	7.23E-05	2.28E-08	9.68E-09	8.86E-05	2.79E-08	1.19E-08	7.77E-05	2.45E-08	1.04E-08
4398	480363.09, 3857	8.69E-05	2.74E-08	1.16E-08	1.06E-04	3.36E-08	1.43E-08	9.34E-05	2.95E-08	1.25E-08
4399	480863.09, 3857	9.83E-05	3.10E-08	1.32E-08	1.20E-04	3.80E-08	1.61E-08	1.06E-04	3.33E-08	1.41E-08
4400	481363.09, 3857	1.12E-04	3.53E-08	1.50E-08	1.37E-04	4.32E-08	1.83E-08	1.20E-04	3.79E-08	1.61E-08
4401	481863.09, 3857	1.30E-04	4.11E-08	1.74E-08	1.59E-04	5.03E-08	2.14E-08	1.40E-04	4.41E-08	1.87E-08
4402	482363.09, 3857	1.51E-04	4.76E-08	2.02E-08	1.85E-04	5.83E-08	2.47E-08	1.62E-04	5.11E-08	2.17E-08
4403	482863.09, 3857	1.61E-04	5.09E-08	2.16E-08	1.98E-04	6.23E-08	2.65E-08	1.73E-04	5.47E-08	2.32E-08
4404	483363.09, 3857	1.82E-04	5.76E-08	2.44E-08	2.24E-04	7.05E-08	2.99E-08	1.96E-04	6.19E-08	2.63E-08

4405	483863.09, 3857	2.10E-04	6.63E-08	2.81E-08	2.57E-04	8.12E-08	3.44E-08	2.26E-04	7.12E-08	3.02E-08
4406	484363.09, 3857	2.41E-04	7.62E-08	3.23E-08	2.96E-04	9.33E-08	3.96E-08	2.59E-04	8.19E-08	3.47E-08
4407	484863.09, 3857	2.82E-04	8.89E-08	3.77E-08	3.45E-04	1.09E-07	4.62E-08	3.03E-04	9.55E-08	4.05E-08
4408	485363.09, 3857	3.34E-04	1.05E-07	4.47E-08	4.09E-04	1.29E-07	5.48E-08	3.59E-04	1.13E-07	4.81E-08
4409	485863.09, 3857	4.09E-04	1.29E-07	5.47E-08	5.01E-04	1.58E-07	6.70E-08	4.39E-04	1.38E-07	5.87E-08
4410	486363.09, 3857	5.26E-04	1.66E-07	7.04E-08	6.44E-04	2.03E-07	8.62E-08	5.64E-04	1.78E-07	7.55E-08
4411	486863.09, 3857	7.58E-04	2.39E-07	1.01E-07	9.28E-04	2.93E-07	1.24E-07	8.11E-04	2.56E-07	1.09E-07
4412	487363.09, 3857	1.72E-03	5.43E-07	2.30E-07	2.11E-03	6.65E-07	2.82E-07	1.85E-03	5.84E-07	2.48E-07
4413	487863.09, 3857	2.83E-03	8.92E-07	3.79E-07	3.46E-03	1.09E-06	4.64E-07	3.04E-03	9.60E-07	4.07E-07
4414	488363.09, 3857	1.43E-03	4.51E-07	1.91E-07	1.75E-03	5.52E-07	2.34E-07	1.53E-03	4.84E-07	2.05E-07
4415	488863.09, 3857	1.02E-03	3.21E-07	1.36E-07	1.25E-03	3.93E-07	1.67E-07	1.09E-03	3.44E-07	1.46E-07
4416	489363.09, 3857	8.13E-04	2.57E-07	1.09E-07	9.96E-04	3.14E-07	1.33E-07	8.72E-04	2.75E-07	1.17E-07
4417	489863.09, 3857	6.77E-04	2.14E-07	9.06E-08	8.29E-04	2.62E-07	1.11E-07	7.25E-04	2.29E-07	9.71E-08
4418	490363.09, 3857	5.76E-04	1.82E-07	7.71E-08	7.05E-04	2.23E-07	9.44E-08	6.17E-04	1.95E-07	8.26E-08
4419	490863.09, 3857	4.97E-04	1.57E-07	6.65E-08	6.08E-04	1.92E-07	8.15E-08	5.33E-04	1.68E-07	7.13E-08
4420	491363.09, 3857	4.29E-04	1.36E-07	5.75E-08	5.26E-04	1.66E-07	7.04E-08	4.61E-04	1.45E-07	6.17E-08
4421	491863.09, 3857	3.65E-04	1.15E-07	4.89E-08	4.48E-04	1.41E-07	5.99E-08	3.92E-04	1.24E-07	5.25E-08
4422	492363.09, 3857	2.65E-04	8.35E-08	3.54E-08	3.24E-04	1.02E-07	4.34E-08	2.84E-04	8.96E-08	3.80E-08
4423	492863.09, 3857	1.77E-04	5.59E-08	2.37E-08	2.17E-04	6.84E-08	2.90E-08	1.90E-04	6.00E-08	2.54E-08
4424	493363.09, 3857	1.42E-04	4.49E-08	1.90E-08	1.74E-04	5.50E-08	2.33E-08	1.53E-04	4.82E-08	2.04E-08
4425	493863.09, 3857	1.24E-04	3.91E-08	1.66E-08	1.52E-04	4.78E-08	2.03E-08	1.33E-04	4.19E-08	1.78E-08
4426	494363.09, 3857	1.11E-04	3.49E-08	1.48E-08	1.36E-04	4.28E-08	1.82E-08	1.19E-04	3.75E-08	1.59E-08
4427	494863.09, 3857	9.29E-05	2.93E-08	1.24E-08	1.14E-04	3.59E-08	1.52E-08	9.98E-05	3.15E-08	1.34E-08
4428	495363.09, 3857	8.61E-05	2.72E-08	1.15E-08	1.05E-04	3.33E-08	1.41E-08	9.24E-05	2.92E-08	1.24E-08
4429	495863.09, 3857	8.04E-05	2.54E-08	1.08E-08	9.84E-05	3.11E-08	1.32E-08	8.63E-05	2.72E-08	1.16E-08
4430	496363.09, 3857	7.99E-05	2.52E-08	1.07E-08	9.78E-05	3.09E-08	1.31E-08	8.57E-05	2.71E-08	1.15E-08
4431	496863.09, 3857	7.96E-05	2.51E-08	1.07E-08	9.74E-05	3.08E-08	1.30E-08	8.54E-05	2.70E-08	1.14E-08
4432	497363.09, 3857	7.78E-05	2.46E-08	1.04E-08	9.53E-05	3.01E-08	1.28E-08	8.36E-05	2.64E-08	1.12E-08
4433	497863.09, 3857	8.83E-05	2.79E-08	1.18E-08	1.08E-04	3.41E-08	1.45E-08	9.47E-05	2.99E-08	1.27E-08
4434	498363.09, 3857	9.82E-05	3.10E-08	1.31E-08	1.20E-04	3.79E-08	1.61E-08	1.05E-04	3.33E-08	1.41E-08
4435	471363.09, 3858	1.90E-05	5.99E-09	2.54E-09	2.33E-05	7.34E-09	3.11E-09	2.04E-05	6.44E-09	2.73E-09
4436	471863.09, 3858	1.99E-05	6.28E-09	2.67E-09	2.44E-05	7.70E-09	3.27E-09	2.14E-05	6.75E-09	2.86E-09
4437	472363.09, 3858	2.10E-05	6.62E-09	2.81E-09	2.57E-05	8.11E-09	3.44E-09	2.25E-05	7.11E-09	3.02E-09
4438	472863.09, 3858	2.26E-05	7.13E-09	3.02E-09	2.77E-05	8.73E-09	3.70E-09	2.42E-05	7.65E-09	3.25E-09
4439	473363.09, 3858	2.51E-05	7.92E-09	3.36E-09	3.07E-05	9.70E-09	4.11E-09	2.69E-05	8.50E-09	3.61E-09
4440	473863.09, 3858	2.62E-05	8.27E-09	3.51E-09	3.21E-05	1.01E-08	4.30E-09	2.81E-05	8.88E-09	3.77E-09
4441	474363.09, 3858	2.49E-05	7.86E-09	3.33E-09	3.05E-05	9.63E-09	4.08E-09	2.67E-05	8.44E-09	3.58E-09
4442	474863.09, 3858	2.10E-05	6.61E-09	2.81E-09	2.57E-05	8.10E-09	3.44E-09	2.25E-05	7.10E-09	3.01E-09
4443	475363.09, 3858	1.39E-05	4.38E-09	1.86E-09	1.70E-05	5.37E-09	2.28E-09	1.49E-05	4.71E-09	2.00E-09
4444	475863.09, 3858	9.62E-06	3.04E-09	1.29E-09	1.18E-05	3.72E-09	1.58E-09	1.03E-05	3.26E-09	1.38E-09
4445	476363.09, 3858	1.06E-05	3.36E-09	1.42E-09	1.30E-05	4.11E-09	1.74E-09	1.14E-05	3.61E-09	1.53E-09
4446	476863.09, 3858	1.20E-05	3.79E-09	1.61E-09	1.47E-05	4.65E-09	1.97E-09	1.29E-05	4.08E-09	1.73E-09
4447	477363.09, 3858	1.14E-05	3.59E-09	1.53E-09	1.40E-05	4.40E-09	1.87E-09	1.22E-05	3.86E-09	1.64E-09
4448	477863.09, 3858	1.61E-05	5.10E-09	2.16E-09	1.98E-05	6.24E-09	2.65E-09	1.73E-05	5.47E-09	2.32E-09
4449	478363.09, 3858	1.76E-05	5.56E-09	2.36E-09	2.16E-05	6.82E-09	2.89E-09	1.89E-05	5.97E-09	2.54E-09
4450	478863.09, 3858	1.14E-05	3.60E-09	1.53E-09	1.40E-05	4.41E-09	1.87E-09	1.23E-05	3.87E-09	1.64E-09
4451	479363.09, 3858	4.17E-05	1.32E-08	5.59E-09	5.11E-05	1.61E-08	6.84E-09	4.48E-05	1.41E-08	6.00E-09
4452	479863.09, 3858	7.09E-05	2.24E-08	9.50E-09	8.69E-05	2.74E-08	1.16E-08	7.62E-05	2.40E-08	1.02E-08
4453	480363.09, 3858	8.23E-05	2.60E-08	1.10E-08	1.01E-04	3.18E-08	1.35E-08	8.84E-05	2.79E-08	1.18E-08
4454	480863.09, 3858	9.15E-05	2.89E-08	1.23E-08	1.12E-04	3.54E-08	1.50E-08	9.83E-05	3.10E-08	1.32E-08
4455	481363.09, 3858	1.03E-04	3.25E-08	1.38E-08	1.26E-04	3.99E-08	1.69E-08	1.11E-04	3.50E-08	1.48E-08
4456	481863.09, 3858	1.16E-04	3.67E-08	1.56E-08	1.42E-04	4.50E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
4457	482363.09, 3858	1.32E-04	4.17E-08	1.77E-08	1.62E-04	5.11E-08	2.17E-08	1.42E-04	4.49E-08	1.90E-08
4458	482863.09, 3858	1.48E-04	4.68E-08	1.98E-08	1.82E-04	5.73E-08	2.43E-08	1.59E-04	5.03E-08	2.13E-08
4459	483363.09, 3858	1.58E-04	4.97E-08	2.11E-08	1.93E-04	6.09E-08	2.58E-08	1.69E-04	5.34E-08	2.27E-08
4460	483863.09, 3858	1.73E-04	5.45E-08	2.31E-08	2.12E-04	6.68E-08	2.83E-08	1.86E-04	5.86E-08	2.48E-08
4461	484363.09, 3858	1.95E-04	6.15E-08	2.61E-08	2.39E-04	7.53E-08	3.20E-08	2.09E-04	6.61E-08	2.80E-08
4462	484863.09, 3858	2.20E-04	6.93E-08	2.94E-08	2.69E-04	8.49E-08	3.60E-08	2.36E-04	7.44E-08	3.16E-08

4463	485363.09, 3858	2.49E-04	7.85E-08	3.33E-08	3.04E-04	9.61E-08	4.08E-08	2.67E-04	8.42E-08	3.57E-08
4464	485863.09, 3858	2.86E-04	9.03E-08	3.83E-08	3.50E-04	1.11E-07	4.69E-08	3.07E-04	9.69E-08	4.11E-08
4465	486363.09, 3858	3.35E-04	1.06E-07	4.49E-08	4.11E-04	1.30E-07	5.50E-08	3.60E-04	1.14E-07	4.82E-08
4466	486863.09, 3858	3.98E-04	1.26E-07	5.33E-08	4.88E-04	1.54E-07	6.53E-08	4.27E-04	1.35E-07	5.72E-08
4467	487363.09, 3858	5.07E-04	1.60E-07	6.79E-08	6.21E-04	1.96E-07	8.32E-08	5.45E-04	1.72E-07	7.30E-08
4468	487863.09, 3858	8.55E-04	2.70E-07	1.15E-07	1.05E-03	3.31E-07	1.40E-07	9.21E-04	2.91E-07	1.23E-07
4469	488363.09, 3858	2.16E-03	6.82E-07	2.89E-07	2.65E-03	8.36E-07	3.55E-07	2.33E-03	7.36E-07	3.12E-07
4470	488863.09, 3858	1.00E-03	3.17E-07	1.34E-07	1.23E-03	3.88E-07	1.65E-07	1.08E-03	3.41E-07	1.45E-07
4471	489363.09, 3858	7.31E-04	2.31E-07	9.79E-08	8.96E-04	2.83E-07	1.20E-07	7.86E-04	2.48E-07	1.05E-07
4472	489863.09, 3858	5.92E-04	1.87E-07	7.93E-08	7.26E-04	2.29E-07	9.72E-08	6.37E-04	2.01E-07	8.52E-08
4473	490363.09, 3858	4.97E-04	1.57E-07	6.65E-08	6.08E-04	1.92E-07	8.15E-08	5.34E-04	1.68E-07	7.14E-08
4474	490863.09, 3858	4.26E-04	1.35E-07	5.71E-08	5.22E-04	1.65E-07	6.99E-08	4.58E-04	1.44E-07	6.13E-08
4475	491363.09, 3858	3.66E-04	1.15E-07	4.90E-08	4.48E-04	1.41E-07	6.00E-08	3.92E-04	1.24E-07	5.25E-08
4476	491863.09, 3858	2.89E-04	9.12E-08	3.87E-08	3.54E-04	1.12E-07	4.74E-08	3.10E-04	9.79E-08	4.15E-08
4477	492363.09, 3858	1.89E-04	5.97E-08	2.53E-08	2.32E-04	7.31E-08	3.10E-08	2.03E-04	6.41E-08	2.72E-08
4478	492863.09, 3858	1.95E-04	6.15E-08	2.61E-08	2.39E-04	7.54E-08	3.20E-08	2.09E-04	6.60E-08	2.80E-08
4479	493363.09, 3858	1.62E-04	5.11E-08	2.17E-08	1.98E-04	6.25E-08	2.65E-08	1.74E-04	5.48E-08	2.32E-08
4480	493863.09, 3858	1.44E-04	4.54E-08	1.93E-08	1.76E-04	5.56E-08	2.36E-08	1.54E-04	4.87E-08	2.07E-08
4481	494363.09, 3858	1.25E-04	3.95E-08	1.68E-08	1.53E-04	4.84E-08	2.05E-08	1.34E-04	4.24E-08	1.80E-08
4482	494863.09, 3858	1.11E-04	3.49E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.19E-04	3.75E-08	1.59E-08
4483	495363.09, 3858	9.53E-05	3.01E-08	1.28E-08	1.17E-04	3.68E-08	1.56E-08	1.02E-04	3.23E-08	1.37E-08
4484	495863.09, 3858	9.14E-05	2.89E-08	1.22E-08	1.12E-04	3.53E-08	1.50E-08	9.82E-05	3.10E-08	1.31E-08
4485	496363.09, 3858	8.71E-05	2.75E-08	1.17E-08	1.07E-04	3.37E-08	1.43E-08	9.35E-05	2.95E-08	1.25E-08
4486	496863.09, 3858	8.98E-05	2.83E-08	1.20E-08	1.10E-04	3.47E-08	1.47E-08	9.64E-05	3.04E-08	1.29E-08
4487	497363.09, 3858	8.88E-05	2.80E-08	1.19E-08	1.09E-04	3.43E-08	1.46E-08	9.54E-05	3.01E-08	1.28E-08
4488	497863.09, 3858	9.65E-05	3.05E-08	1.29E-08	1.18E-04	3.73E-08	1.58E-08	1.04E-04	3.27E-08	1.39E-08
4489	498363.09, 3858	1.06E-04	3.34E-08	1.42E-08	1.30E-04	4.09E-08	1.74E-08	1.14E-04	3.59E-08	1.52E-08
4490	471363.09, 3858	1.93E-05	6.08E-09	2.58E-09	2.36E-05	7.44E-09	3.16E-09	2.07E-05	6.52E-09	2.77E-09
4491	471863.09, 3858	2.02E-05	6.38E-09	2.70E-09	2.47E-05	7.81E-09	3.31E-09	2.17E-05	6.84E-09	2.90E-09
4492	472363.09, 3858	2.18E-05	6.89E-09	2.92E-09	2.67E-05	8.43E-09	3.58E-09	2.34E-05	7.39E-09	3.14E-09
4493	472863.09, 3858	2.34E-05	7.39E-09	3.13E-09	2.87E-05	9.05E-09	3.84E-09	2.51E-05	7.93E-09	3.36E-09
4494	473363.09, 3858	2.54E-05	8.03E-09	3.41E-09	3.11E-05	9.83E-09	4.17E-09	2.73E-05	8.62E-09	3.66E-09
4495	473863.09, 3858	2.66E-05	8.38E-09	3.56E-09	3.25E-05	1.03E-08	4.36E-09	2.85E-05	9.00E-09	3.82E-09
4496	474363.09, 3858	2.59E-05	8.18E-09	3.47E-09	3.17E-05	1.00E-08	4.25E-09	2.78E-05	8.78E-09	3.73E-09
4497	474863.09, 3858	1.33E-05	4.20E-09	1.78E-09	1.63E-05	5.15E-09	2.18E-09	1.43E-05	4.51E-09	1.91E-09
4498	475363.09, 3858	9.51E-06	3.00E-09	1.27E-09	1.17E-05	3.68E-09	1.56E-09	1.02E-05	3.23E-09	1.37E-09
4499	475863.09, 3858	1.12E-05	3.55E-09	1.50E-09	1.38E-05	4.34E-09	1.84E-09	1.21E-05	3.81E-09	1.62E-09
4500	476363.09, 3858	6.75E-06	2.13E-09	9.04E-10	8.27E-06	2.61E-09	1.11E-09	7.25E-06	2.29E-09	9.71E-10
4501	476863.09, 3858	8.86E-06	2.80E-09	1.19E-09	1.09E-05	3.43E-09	1.45E-09	9.52E-06	3.00E-09	1.27E-09
4502	477363.09, 3858	9.19E-06	2.90E-09	1.23E-09	1.13E-05	3.55E-09	1.51E-09	9.87E-06	3.12E-09	1.32E-09
4503	477863.09, 3858	1.19E-05	3.76E-09	1.59E-09	1.46E-05	4.60E-09	1.95E-09	1.28E-05	4.04E-09	1.71E-09
4504	478363.09, 3858	2.72E-05	8.58E-09	3.64E-09	3.33E-05	1.05E-08	4.46E-09	2.92E-05	9.21E-09	3.91E-09
4505	478863.09, 3858	2.29E-05	7.23E-09	3.07E-09	2.81E-05	8.86E-09	3.76E-09	2.46E-05	7.77E-09	3.30E-09
4506	479363.09, 3858	1.81E-05	5.73E-09	2.43E-09	2.22E-05	7.02E-09	2.98E-09	1.95E-05	6.15E-09	2.61E-09
4507	479863.09, 3858	6.77E-05	2.14E-08	9.07E-09	8.29E-05	2.62E-08	1.11E-08	7.28E-05	2.30E-08	9.74E-09
4508	480363.09, 3858	7.61E-05	2.40E-08	1.02E-08	9.32E-05	2.94E-08	1.25E-08	8.17E-05	2.58E-08	1.09E-08
4509	480863.09, 3858	8.44E-05	2.66E-08	1.13E-08	1.03E-04	3.26E-08	1.38E-08	9.07E-05	2.86E-08	1.21E-08
4510	481363.09, 3858	9.35E-05	2.95E-08	1.25E-08	1.15E-04	3.61E-08	1.53E-08	1.00E-04	3.17E-08	1.34E-08
4511	481863.09, 3858	1.04E-04	3.29E-08	1.40E-08	1.28E-04	4.03E-08	1.71E-08	1.12E-04	3.53E-08	1.50E-08
4512	482363.09, 3858	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.47E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
4513	482863.09, 3858	1.28E-04	4.05E-08	1.72E-08	1.57E-04	4.96E-08	2.10E-08	1.38E-04	4.35E-08	1.84E-08
4514	483363.09, 3858	1.34E-04	4.22E-08	1.79E-08	1.64E-04	5.17E-08	2.19E-08	1.43E-04	4.53E-08	1.92E-08
4515	483863.09, 3858	1.44E-04	4.54E-08	1.93E-08	1.76E-04	5.56E-08	2.36E-08	1.55E-04	4.88E-08	2.07E-08
4516	484363.09, 3858	1.58E-04	5.00E-08	2.12E-08	1.94E-04	6.13E-08	2.60E-08	1.70E-04	5.37E-08	2.28E-08
4517	484863.09, 3858	1.74E-04	5.48E-08	2.32E-08	2.13E-04	6.71E-08	2.85E-08	1.87E-04	5.89E-08	2.50E-08
4518	485363.09, 3858	1.91E-04	6.02E-08	2.55E-08	2.34E-04	7.37E-08	3.13E-08	2.05E-04	6.46E-08	2.74E-08
4519	485863.09, 3858	2.11E-04	6.66E-08	2.82E-08	2.58E-04	8.15E-08	3.46E-08	2.26E-04	7.15E-08	3.03E-08
4520	486363.09, 3858	2.32E-04	7.31E-08	3.10E-08	2.84E-04	8.95E-08	3.80E-08	2.49E-04	7.85E-08	3.33E-08

4521	486863.09, 3858	2.58E-04	8.13E-08	3.45E-08	3.16E-04	9.96E-08	4.23E-08	2.77E-04	8.73E-08	3.70E-08
4522	487363.09, 3858	2.98E-04	9.40E-08	3.99E-08	3.65E-04	1.15E-07	4.89E-08	3.20E-04	1.01E-07	4.29E-08
4523	487863.09, 3858	3.55E-04	1.12E-07	4.76E-08	4.35E-04	1.37E-07	5.83E-08	3.82E-04	1.21E-07	5.12E-08
4524	488363.09, 3858	5.14E-04	1.62E-07	6.88E-08	6.30E-04	1.99E-07	8.43E-08	5.53E-04	1.75E-07	7.41E-08
4525	488863.09, 3858	1.86E-03	5.87E-07	2.49E-07	2.28E-03	7.19E-07	3.05E-07	2.01E-03	6.33E-07	2.69E-07
4526	489363.09, 3858	6.39E-04	2.02E-07	8.56E-08	7.83E-04	2.47E-07	1.05E-07	6.89E-04	2.17E-07	9.22E-08
4527	489863.09, 3858	4.47E-04	1.41E-07	5.99E-08	5.48E-04	1.73E-07	7.34E-08	4.81E-04	1.52E-07	6.45E-08
4528	490363.09, 3858	3.70E-04	1.17E-07	4.96E-08	4.54E-04	1.43E-07	6.08E-08	3.98E-04	1.26E-07	5.33E-08
4529	490863.09, 3858	3.16E-04	9.97E-08	4.23E-08	3.87E-04	1.22E-07	5.18E-08	3.39E-04	1.07E-07	4.54E-08
4530	491363.09, 3858	2.60E-04	8.20E-08	3.48E-08	3.18E-04	1.00E-07	4.26E-08	2.79E-04	8.80E-08	3.74E-08
4531	491863.09, 3858	1.94E-04	6.12E-08	2.60E-08	2.38E-04	7.50E-08	3.18E-08	2.08E-04	6.57E-08	2.79E-08
4532	492363.09, 3858	2.05E-04	6.48E-08	2.75E-08	2.51E-04	7.94E-08	3.37E-08	2.20E-04	6.96E-08	2.95E-08
4533	492863.09, 3858	2.09E-04	6.60E-08	2.80E-08	2.56E-04	8.08E-08	3.43E-08	2.24E-04	7.08E-08	3.00E-08
4534	493363.09, 3858	1.88E-04	5.92E-08	2.51E-08	2.30E-04	7.26E-08	3.08E-08	2.01E-04	6.36E-08	2.70E-08
4535	493863.09, 3858	1.56E-04	4.92E-08	2.09E-08	1.91E-04	6.03E-08	2.56E-08	1.67E-04	5.28E-08	2.24E-08
4536	494363.09, 3858	1.42E-04	4.47E-08	1.90E-08	1.74E-04	5.48E-08	2.32E-08	1.52E-04	4.80E-08	2.04E-08
4537	494863.09, 3858	1.26E-04	3.96E-08	1.68E-08	1.54E-04	4.86E-08	2.06E-08	1.35E-04	4.25E-08	1.80E-08
4538	495363.09, 3858	1.11E-04	3.52E-08	1.49E-08	1.36E-04	4.31E-08	1.83E-08	1.20E-04	3.77E-08	1.60E-08
4539	495863.09, 3858	1.04E-04	3.28E-08	1.39E-08	1.27E-04	4.02E-08	1.71E-08	1.12E-04	3.52E-08	1.49E-08
4540	496363.09, 3858	1.01E-04	3.19E-08	1.35E-08	1.24E-04	3.90E-08	1.66E-08	1.08E-04	3.42E-08	1.45E-08
4541	496863.09, 3858	9.81E-05	3.10E-08	1.31E-08	1.20E-04	3.79E-08	1.61E-08	1.05E-04	3.32E-08	1.41E-08
4542	497363.09, 3858	9.50E-05	3.00E-08	1.27E-08	1.16E-04	3.67E-08	1.56E-08	1.02E-04	3.22E-08	1.37E-08
4543	497863.09, 3858	1.03E-04	3.24E-08	1.38E-08	1.26E-04	3.97E-08	1.68E-08	1.10E-04	3.48E-08	1.48E-08
4544	498363.09, 3858	1.08E-04	3.39E-08	1.44E-08	1.32E-04	4.16E-08	1.76E-08	1.15E-04	3.64E-08	1.55E-08
4545	471363.09, 3859	1.95E-05	6.16E-09	2.61E-09	2.39E-05	7.55E-09	3.20E-09	2.10E-05	6.62E-09	2.81E-09
4546	471863.09, 3859	2.07E-05	6.53E-09	2.77E-09	2.53E-05	8.00E-09	3.39E-09	2.22E-05	7.01E-09	2.97E-09
4547	472363.09, 3859	2.22E-05	7.00E-09	2.97E-09	2.72E-05	8.57E-09	3.64E-09	2.38E-05	7.52E-09	3.19E-09
4548	472863.09, 3859	2.36E-05	7.45E-09	3.16E-09	2.89E-05	9.13E-09	3.87E-09	2.54E-05	8.00E-09	3.40E-09
4549	473363.09, 3859	2.53E-05	7.97E-09	3.38E-09	3.09E-05	9.77E-09	4.14E-09	2.71E-05	8.56E-09	3.63E-09
4550	473863.09, 3859	2.67E-05	8.42E-09	3.57E-09	3.27E-05	1.03E-08	4.38E-09	2.87E-05	9.04E-09	3.84E-09
4551	474363.09, 3859	2.59E-05	8.19E-09	3.47E-09	3.18E-05	1.00E-08	4.26E-09	2.79E-05	8.80E-09	3.73E-09
4552	474863.09, 3859	2.09E-05	6.60E-09	2.80E-09	2.56E-05	8.09E-09	3.43E-09	2.25E-05	7.09E-09	3.01E-09
4553	475363.09, 3859	1.39E-05	4.38E-09	1.86E-09	1.70E-05	5.37E-09	2.28E-09	1.49E-05	4.70E-09	2.00E-09
4554	475863.09, 3859	8.57E-06	2.70E-09	1.15E-09	1.05E-05	3.31E-09	1.41E-09	9.20E-06	2.90E-09	1.23E-09
4555	476363.09, 3859	7.57E-06	2.39E-09	1.01E-09	9.27E-06	2.93E-09	1.24E-09	8.13E-06	2.57E-09	1.09E-09
4556	476863.09, 3859	6.05E-06	1.91E-09	8.11E-10	7.42E-06	2.34E-09	9.93E-10	6.50E-06	2.05E-09	8.71E-10
4557	477363.09, 3859	6.72E-06	2.12E-09	9.00E-10	8.23E-06	2.60E-09	1.10E-09	7.22E-06	2.28E-09	9.67E-10
4558	477863.09, 3859	1.37E-05	4.32E-09	1.83E-09	1.67E-05	5.29E-09	2.24E-09	1.47E-05	4.64E-09	1.97E-09
4559	478363.09, 3859	2.36E-05	7.45E-09	3.16E-09	2.89E-05	9.13E-09	3.87E-09	2.54E-05	8.00E-09	3.40E-09
4560	478863.09, 3859	3.85E-05	1.21E-08	5.15E-09	4.71E-05	1.49E-08	6.31E-09	4.13E-05	1.30E-08	5.53E-09
4561	479363.09, 3859	5.13E-05	1.62E-08	6.87E-09	6.28E-05	1.98E-08	8.41E-09	5.51E-05	1.74E-08	7.38E-09
4562	479863.09, 3859	6.12E-05	1.93E-08	8.20E-09	7.50E-05	2.37E-08	1.00E-08	6.58E-05	2.08E-08	8.81E-09
4563	480363.09, 3859	6.99E-05	2.21E-08	9.36E-09	8.56E-05	2.70E-08	1.15E-08	7.51E-05	2.37E-08	1.01E-08
4564	480863.09, 3859	7.70E-05	2.43E-08	1.03E-08	9.43E-05	2.97E-08	1.26E-08	8.26E-05	2.61E-08	1.11E-08
4565	481363.09, 3859	8.46E-05	2.67E-08	1.13E-08	1.04E-04	3.27E-08	1.39E-08	9.09E-05	2.87E-08	1.22E-08
4566	481863.09, 3859	9.30E-05	2.94E-08	1.25E-08	1.14E-04	3.60E-08	1.53E-08	9.99E-05	3.15E-08	1.34E-08
4567	482363.09, 3859	1.01E-04	3.20E-08	1.36E-08	1.24E-04	3.92E-08	1.66E-08	1.09E-04	3.44E-08	1.46E-08
4568	482863.09, 3859	1.10E-04	3.49E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.19E-04	3.74E-08	1.59E-08
4569	483363.09, 3859	1.18E-04	3.73E-08	1.58E-08	1.45E-04	4.57E-08	1.94E-08	1.27E-04	4.00E-08	1.70E-08
4570	483863.09, 3859	1.20E-04	3.80E-08	1.61E-08	1.48E-04	4.66E-08	1.98E-08	1.29E-04	4.08E-08	1.73E-08
4571	484363.09, 3859	1.30E-04	4.10E-08	1.74E-08	1.59E-04	5.02E-08	2.13E-08	1.40E-04	4.41E-08	1.87E-08
4572	484863.09, 3859	1.40E-04	4.41E-08	1.87E-08	1.71E-04	5.41E-08	2.29E-08	1.50E-04	4.74E-08	2.01E-08
4573	485363.09, 3859	1.50E-04	4.73E-08	2.01E-08	1.84E-04	5.80E-08	2.46E-08	1.61E-04	5.08E-08	2.16E-08
4574	485863.09, 3859	1.60E-04	5.06E-08	2.15E-08	1.96E-04	6.20E-08	2.63E-08	1.72E-04	5.43E-08	2.31E-08
4575	486363.09, 3859	1.71E-04	5.41E-08	2.30E-08	2.10E-04	6.63E-08	2.81E-08	1.84E-04	5.81E-08	2.47E-08
4576	486863.09, 3859	1.81E-04	5.71E-08	2.42E-08	2.22E-04	6.99E-08	2.97E-08	1.94E-04	6.13E-08	2.60E-08
4577	487363.09, 3859	1.92E-04	6.06E-08	2.57E-08	2.35E-04	7.43E-08	3.15E-08	2.06E-04	6.52E-08	2.77E-08
4578	487863.09, 3859	2.11E-04	6.65E-08	2.82E-08	2.58E-04	8.14E-08	3.45E-08	2.26E-04	7.14E-08	3.03E-08

4579	488363.09, 3859	2.29E-04	7.23E-08	3.07E-08	2.81E-04	8.85E-08	3.76E-08	2.46E-04	7.77E-08	3.30E-08
4580	488863.09, 3859	2.41E-04	7.60E-08	3.22E-08	2.95E-04	9.31E-08	3.95E-08	2.59E-04	8.17E-08	3.47E-08
4581	489363.09, 3859	2.44E-04	7.70E-08	3.27E-08	2.99E-04	9.43E-08	4.00E-08	2.62E-04	8.28E-08	3.51E-08
4582	489863.09, 3859	2.36E-04	7.45E-08	3.16E-08	2.89E-04	9.13E-08	3.87E-08	2.54E-04	8.01E-08	3.40E-08
4583	490363.09, 3859	2.29E-04	7.21E-08	3.06E-08	2.80E-04	8.84E-08	3.75E-08	2.46E-04	7.75E-08	3.29E-08
4584	490863.09, 3859	2.16E-04	6.82E-08	2.89E-08	2.65E-04	8.36E-08	3.55E-08	2.32E-04	7.33E-08	3.11E-08
4585	491363.09, 3859	1.86E-04	5.86E-08	2.49E-08	2.28E-04	7.18E-08	3.05E-08	1.99E-04	6.29E-08	2.67E-08
4586	491863.09, 3859	1.96E-04	6.19E-08	2.63E-08	2.40E-04	7.58E-08	3.22E-08	2.11E-04	6.65E-08	2.82E-08
4587	492363.09, 3859	1.87E-04	5.91E-08	2.51E-08	2.29E-04	7.23E-08	3.07E-08	2.01E-04	6.34E-08	2.69E-08
4588	492863.09, 3859	1.78E-04	5.62E-08	2.38E-08	2.18E-04	6.88E-08	2.92E-08	1.91E-04	6.03E-08	2.56E-08
4589	493363.09, 3859	1.64E-04	5.19E-08	2.20E-08	2.01E-04	6.35E-08	2.70E-08	1.76E-04	5.57E-08	2.36E-08
4590	493863.09, 3859	1.55E-04	4.91E-08	2.08E-08	1.90E-04	6.01E-08	2.55E-08	1.67E-04	5.27E-08	2.23E-08
4591	494363.09, 3859	1.45E-04	4.57E-08	1.94E-08	1.77E-04	5.60E-08	2.38E-08	1.55E-04	4.91E-08	2.08E-08
4592	494863.09, 3859	1.29E-04	4.06E-08	1.72E-08	1.58E-04	4.97E-08	2.11E-08	1.38E-04	4.36E-08	1.85E-08
4593	495363.09, 3859	1.22E-04	3.85E-08	1.64E-08	1.50E-04	4.72E-08	2.00E-08	1.31E-04	4.14E-08	1.76E-08
4594	495863.09, 3859	1.13E-04	3.58E-08	1.52E-08	1.39E-04	4.38E-08	1.86E-08	1.22E-04	3.84E-08	1.63E-08
4595	496363.09, 3859	1.10E-04	3.49E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.19E-04	3.74E-08	1.59E-08
4596	496863.09, 3859	1.00E-04	3.16E-08	1.34E-08	1.23E-04	3.88E-08	1.64E-08	1.08E-04	3.40E-08	1.44E-08
4597	497363.09, 3859	1.01E-04	3.20E-08	1.36E-08	1.24E-04	3.92E-08	1.66E-08	1.09E-04	3.44E-08	1.46E-08
4598	497863.09, 3859	1.04E-04	3.30E-08	1.40E-08	1.28E-04	4.04E-08	1.71E-08	1.12E-04	3.54E-08	1.50E-08
4599	498363.09, 3859	1.03E-04	3.27E-08	1.39E-08	1.27E-04	4.00E-08	1.70E-08	1.11E-04	3.51E-08	1.49E-08
4600	471363.09, 3859	1.98E-05	6.25E-09	2.65E-09	2.43E-05	7.66E-09	3.25E-09	2.13E-05	6.71E-09	2.85E-09
4601	471863.09, 3859	2.09E-05	6.61E-09	2.81E-09	2.57E-05	8.10E-09	3.44E-09	2.25E-05	7.10E-09	3.01E-09
4602	472363.09, 3859	2.21E-05	6.97E-09	2.96E-09	2.70E-05	8.53E-09	3.62E-09	2.37E-05	7.48E-09	3.17E-09
4603	472863.09, 3859	2.36E-05	7.44E-09	3.16E-09	2.89E-05	9.11E-09	3.87E-09	2.53E-05	7.99E-09	3.39E-09
4604	473363.09, 3859	2.52E-05	7.95E-09	3.37E-09	3.09E-05	9.74E-09	4.13E-09	2.71E-05	8.54E-09	3.62E-09
4605	473863.09, 3859	2.69E-05	8.47E-09	3.60E-09	3.29E-05	1.04E-08	4.40E-09	2.88E-05	9.10E-09	3.86E-09
4606	474363.09, 3859	2.72E-05	8.59E-09	3.64E-09	3.33E-05	1.05E-08	4.46E-09	2.92E-05	9.22E-09	3.91E-09
4607	474863.09, 3859	2.55E-05	8.06E-09	3.42E-09	3.13E-05	9.87E-09	4.19E-09	2.74E-05	8.65E-09	3.67E-09
4608	475363.09, 3859	1.69E-05	5.35E-09	2.27E-09	2.08E-05	6.55E-09	2.78E-09	1.82E-05	5.74E-09	2.44E-09
4609	475863.09, 3859	8.29E-06	2.62E-09	1.11E-09	1.01E-05	3.20E-09	1.36E-09	8.90E-06	2.81E-09	1.19E-09
4610	476363.09, 3859	4.86E-06	1.54E-09	6.51E-10	5.96E-06	1.88E-09	7.98E-10	5.22E-06	1.65E-09	7.00E-10
4611	476863.09, 3859	5.75E-06	1.81E-09	7.70E-10	7.04E-06	2.22E-09	9.43E-10	6.18E-06	1.95E-09	8.27E-10
4612	477363.09, 3859	6.29E-06	1.98E-09	8.42E-10	7.70E-06	2.43E-09	1.03E-09	6.75E-06	2.13E-09	9.04E-10
4613	477863.09, 3859	1.23E-05	3.87E-09	1.64E-09	1.50E-05	4.74E-09	2.01E-09	1.32E-05	4.16E-09	1.76E-09
4614	478363.09, 3859	2.32E-05	7.33E-09	3.11E-09	2.85E-05	8.98E-09	3.81E-09	2.50E-05	7.88E-09	3.34E-09
4615	478863.09, 3859	3.70E-05	1.17E-08	4.96E-09	4.54E-05	1.43E-08	6.08E-09	3.98E-05	1.26E-08	5.33E-09
4616	479363.09, 3859	4.98E-05	1.57E-08	6.67E-09	6.10E-05	1.93E-08	8.17E-09	5.35E-05	1.69E-08	7.16E-09
4617	479863.09, 3859	5.80E-05	1.83E-08	7.77E-09	7.10E-05	2.24E-08	9.51E-09	6.23E-05	1.97E-08	8.34E-09
4618	480363.09, 3859	6.44E-05	2.03E-08	8.63E-09	7.89E-05	2.49E-08	1.06E-08	6.92E-05	2.18E-08	9.27E-09
4619	480863.09, 3859	6.99E-05	2.21E-08	9.36E-09	8.57E-05	2.70E-08	1.15E-08	7.51E-05	2.37E-08	1.01E-08
4620	481363.09, 3859	7.60E-05	2.40E-08	1.02E-08	9.30E-05	2.94E-08	1.25E-08	8.15E-05	2.57E-08	1.09E-08
4621	481863.09, 3859	8.21E-05	2.59E-08	1.10E-08	1.01E-04	3.17E-08	1.35E-08	8.81E-05	2.78E-08	1.18E-08
4622	482363.09, 3859	8.81E-05	2.78E-08	1.18E-08	1.08E-04	3.41E-08	1.45E-08	9.46E-05	2.99E-08	1.27E-08
4623	482863.09, 3859	9.49E-05	2.99E-08	1.27E-08	1.16E-04	3.67E-08	1.56E-08	1.02E-04	3.22E-08	1.36E-08
4624	483363.09, 3859	1.02E-04	3.20E-08	1.36E-08	1.24E-04	3.92E-08	1.67E-08	1.09E-04	3.44E-08	1.46E-08
4625	483863.09, 3859	1.03E-04	3.25E-08	1.38E-08	1.26E-04	3.98E-08	1.69E-08	1.11E-04	3.49E-08	1.48E-08
4626	484363.09, 3859	1.08E-04	3.40E-08	1.44E-08	1.32E-04	4.17E-08	1.77E-08	1.16E-04	3.66E-08	1.55E-08
4627	484863.09, 3859	1.14E-04	3.61E-08	1.53E-08	1.40E-04	4.42E-08	1.88E-08	1.23E-04	3.88E-08	1.65E-08
4628	485363.09, 3859	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.67E-08	1.98E-08	1.30E-04	4.10E-08	1.74E-08
4629	485863.09, 3859	1.27E-04	4.00E-08	1.70E-08	1.55E-04	4.90E-08	2.08E-08	1.36E-04	4.29E-08	1.82E-08
4630	486363.09, 3859	1.31E-04	4.14E-08	1.76E-08	1.61E-04	5.07E-08	2.15E-08	1.41E-04	4.45E-08	1.89E-08
4631	486863.09, 3859	1.36E-04	4.29E-08	1.82E-08	1.66E-04	5.25E-08	2.23E-08	1.46E-04	4.61E-08	1.95E-08
4632	487363.09, 3859	1.38E-04	4.35E-08	1.85E-08	1.69E-04	5.33E-08	2.26E-08	1.48E-04	4.68E-08	1.99E-08
4633	487863.09, 3859	1.47E-04	4.63E-08	1.96E-08	1.80E-04	5.67E-08	2.41E-08	1.58E-04	4.97E-08	2.11E-08
4634	488363.09, 3859	1.48E-04	4.67E-08	1.98E-08	1.81E-04	5.72E-08	2.43E-08	1.59E-04	5.02E-08	2.13E-08
4635	488863.09, 3859	1.52E-04	4.80E-08	2.04E-08	1.86E-04	5.88E-08	2.49E-08	1.63E-04	5.16E-08	2.19E-08
4636	489363.09, 3859	1.57E-04	4.94E-08	2.10E-08	1.92E-04	6.05E-08	2.57E-08	1.68E-04	5.31E-08	2.25E-08

4637	489863.09, 3859	1.57E-04	4.97E-08	2.11E-08	1.93E-04	6.08E-08	2.58E-08	1.69E-04	5.33E-08	2.26E-08
4638	490363.09, 3859	1.48E-04	4.67E-08	1.98E-08	1.81E-04	5.72E-08	2.43E-08	1.59E-04	5.01E-08	2.13E-08
4639	490863.09, 3859	1.49E-04	4.70E-08	1.99E-08	1.82E-04	5.76E-08	2.44E-08	1.60E-04	5.05E-08	2.14E-08
4640	491363.09, 3859	1.48E-04	4.69E-08	1.99E-08	1.82E-04	5.74E-08	2.44E-08	1.59E-04	5.03E-08	2.14E-08
4641	491863.09, 3859	1.48E-04	4.69E-08	1.99E-08	1.82E-04	5.74E-08	2.43E-08	1.59E-04	5.03E-08	2.13E-08
4642	492363.09, 3859	1.47E-04	4.64E-08	1.97E-08	1.80E-04	5.68E-08	2.41E-08	1.58E-04	4.98E-08	2.11E-08
4643	492863.09, 3859	1.44E-04	4.54E-08	1.93E-08	1.76E-04	5.56E-08	2.36E-08	1.54E-04	4.87E-08	2.07E-08
4644	493363.09, 3859	1.39E-04	4.39E-08	1.86E-08	1.70E-04	5.37E-08	2.28E-08	1.49E-04	4.71E-08	2.00E-08
4645	493863.09, 3859	1.33E-04	4.21E-08	1.79E-08	1.63E-04	5.16E-08	2.19E-08	1.43E-04	4.52E-08	1.92E-08
4646	494363.09, 3859	1.27E-04	4.01E-08	1.70E-08	1.56E-04	4.91E-08	2.08E-08	1.36E-04	4.30E-08	1.83E-08
4647	494863.09, 3859	1.22E-04	3.84E-08	1.63E-08	1.49E-04	4.70E-08	1.99E-08	1.31E-04	4.12E-08	1.75E-08
4648	495363.09, 3859	1.16E-04	3.66E-08	1.55E-08	1.42E-04	4.48E-08	1.90E-08	1.24E-04	3.93E-08	1.67E-08
4649	495863.09, 3859	1.10E-04	3.48E-08	1.48E-08	1.35E-04	4.26E-08	1.81E-08	1.18E-04	3.73E-08	1.58E-08
4650	496363.09, 3859	1.02E-04	3.23E-08	1.37E-08	1.25E-04	3.95E-08	1.68E-08	1.10E-04	3.46E-08	1.47E-08
4651	496863.09, 3859	8.24E-05	2.60E-08	1.10E-08	1.01E-04	3.19E-08	1.35E-08	8.85E-05	2.79E-08	1.18E-08
4652	497363.09, 3859	9.27E-05	2.93E-08	1.24E-08	1.14E-04	3.58E-08	1.52E-08	9.95E-05	3.14E-08	1.33E-08
4653	497863.09, 3859	9.58E-05	3.02E-08	1.28E-08	1.17E-04	3.70E-08	1.57E-08	1.03E-04	3.25E-08	1.38E-08
4654	498363.09, 3859	9.25E-05	2.92E-08	1.24E-08	1.13E-04	3.57E-08	1.52E-08	9.92E-05	3.13E-08	1.33E-08
4655	471363.09, 3860	1.99E-05	6.27E-09	2.66E-09	2.43E-05	7.68E-09	3.26E-09	2.13E-05	6.74E-09	2.86E-09
4656	471863.09, 3860	2.10E-05	6.62E-09	2.81E-09	2.57E-05	8.11E-09	3.44E-09	2.25E-05	7.11E-09	3.02E-09
4657	472363.09, 3860	2.23E-05	7.02E-09	2.98E-09	2.73E-05	8.60E-09	3.65E-09	2.39E-05	7.55E-09	3.20E-09
4658	472863.09, 3860	2.37E-05	7.49E-09	3.18E-09	2.91E-05	9.18E-09	3.89E-09	2.55E-05	8.05E-09	3.41E-09
4659	473363.09, 3860	2.52E-05	7.97E-09	3.38E-09	3.09E-05	9.76E-09	4.14E-09	2.71E-05	8.56E-09	3.63E-09
4660	473863.09, 3860	2.67E-05	8.42E-09	3.57E-09	3.27E-05	1.03E-08	4.38E-09	2.87E-05	9.05E-09	3.84E-09
4661	474363.09, 3860	2.78E-05	8.77E-09	3.72E-09	3.40E-05	1.07E-08	4.56E-09	2.98E-05	9.42E-09	4.00E-09
4662	474863.09, 3860	2.82E-05	8.89E-09	3.77E-09	3.45E-05	1.09E-08	4.62E-09	3.03E-05	9.55E-09	4.05E-09
4663	475363.09, 3860	2.65E-05	8.38E-09	3.55E-09	3.25E-05	1.03E-08	4.35E-09	2.85E-05	9.00E-09	3.82E-09
4664	475863.09, 3860	2.33E-05	7.36E-09	3.12E-09	2.85E-05	9.01E-09	3.82E-09	2.50E-05	7.90E-09	3.35E-09
4665	476363.09, 3860	1.87E-05	5.92E-09	2.51E-09	2.30E-05	7.25E-09	3.07E-09	2.01E-05	6.36E-09	2.70E-09
4666	476863.09, 3860	1.71E-05	5.38E-09	2.28E-09	2.09E-05	6.59E-09	2.80E-09	1.83E-05	5.78E-09	2.45E-09
4667	477363.09, 3860	9.92E-06	3.13E-09	1.33E-09	1.22E-05	3.84E-09	1.63E-09	1.07E-05	3.36E-09	1.43E-09
4668	477863.09, 3860	1.30E-05	4.10E-09	1.74E-09	1.59E-05	5.03E-09	2.13E-09	1.40E-05	4.41E-09	1.87E-09
4669	478363.09, 3860	2.54E-05	8.01E-09	3.40E-09	3.11E-05	9.82E-09	4.17E-09	2.73E-05	8.61E-09	3.65E-09
4670	478863.09, 3860	3.64E-05	1.15E-08	4.88E-09	4.46E-05	1.41E-08	5.97E-09	3.91E-05	1.23E-08	5.24E-09
4671	479363.09, 3860	4.67E-05	1.48E-08	6.26E-09	5.72E-05	1.81E-08	7.67E-09	5.02E-05	1.58E-08	6.72E-09
4672	479863.09, 3860	5.39E-05	1.70E-08	7.22E-09	6.60E-05	2.08E-08	8.84E-09	5.79E-05	1.83E-08	7.75E-09
4673	480363.09, 3860	5.87E-05	1.85E-08	7.85E-09	7.18E-05	2.27E-08	9.62E-09	6.30E-05	1.99E-08	8.43E-09
4674	480863.09, 3860	6.31E-05	1.99E-08	8.44E-09	7.72E-05	2.44E-08	1.03E-08	6.77E-05	2.14E-08	9.06E-09
4675	481363.09, 3860	6.78E-05	2.14E-08	9.07E-09	8.30E-05	2.62E-08	1.11E-08	7.27E-05	2.30E-08	9.74E-09
4676	481863.09, 3860	7.23E-05	2.28E-08	9.68E-09	8.85E-05	2.79E-08	1.19E-08	7.76E-05	2.45E-08	1.04E-08
4677	482363.09, 3860	7.69E-05	2.43E-08	1.03E-08	9.42E-05	2.97E-08	1.26E-08	8.26E-05	2.61E-08	1.11E-08
4678	482863.09, 3860	8.22E-05	2.59E-08	1.10E-08	1.01E-04	3.18E-08	1.35E-08	8.83E-05	2.79E-08	1.18E-08
4679	483363.09, 3860	8.66E-05	2.73E-08	1.16E-08	1.06E-04	3.35E-08	1.42E-08	9.30E-05	2.94E-08	1.25E-08
4680	483863.09, 3860	9.16E-05	2.89E-08	1.23E-08	1.12E-04	3.54E-08	1.50E-08	9.84E-05	3.11E-08	1.32E-08
4681	484363.09, 3860	9.20E-05	2.90E-08	1.23E-08	1.13E-04	3.56E-08	1.51E-08	9.89E-05	3.12E-08	1.32E-08
4682	484863.09, 3860	9.57E-05	3.02E-08	1.28E-08	1.17E-04	3.70E-08	1.57E-08	1.03E-04	3.24E-08	1.38E-08
4683	485363.09, 3860	9.89E-05	3.12E-08	1.32E-08	1.21E-04	3.82E-08	1.62E-08	1.06E-04	3.35E-08	1.42E-08
4684	485863.09, 3860	1.02E-04	3.22E-08	1.37E-08	1.25E-04	3.94E-08	1.67E-08	1.10E-04	3.46E-08	1.47E-08
4685	486363.09, 3860	1.03E-04	3.26E-08	1.38E-08	1.27E-04	4.00E-08	1.70E-08	1.11E-04	3.50E-08	1.49E-08
4686	486863.09, 3860	1.05E-04	3.30E-08	1.40E-08	1.28E-04	4.05E-08	1.72E-08	1.12E-04	3.55E-08	1.51E-08
4687	487363.09, 3860	1.05E-04	3.33E-08	1.41E-08	1.29E-04	4.08E-08	1.73E-08	1.13E-04	3.58E-08	1.52E-08
4688	487863.09, 3860	1.08E-04	3.42E-08	1.45E-08	1.33E-04	4.19E-08	1.78E-08	1.17E-04	3.68E-08	1.56E-08
4689	488363.09, 3860	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.22E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
4690	488863.09, 3860	1.10E-04	3.48E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.19E-04	3.74E-08	1.59E-08
4691	489363.09, 3860	1.13E-04	3.55E-08	1.51E-08	1.38E-04	4.35E-08	1.85E-08	1.21E-04	3.82E-08	1.62E-08
4692	489863.09, 3860	1.16E-04	3.65E-08	1.55E-08	1.42E-04	4.47E-08	1.90E-08	1.24E-04	3.92E-08	1.66E-08
4693	490363.09, 3860	1.15E-04	3.64E-08	1.54E-08	1.41E-04	4.46E-08	1.89E-08	1.24E-04	3.91E-08	1.66E-08
4694	490863.09, 3860	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.22E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08

4695	491363.09, 3860	1.05E-04	3.30E-08	1.40E-08	1.28E-04	4.05E-08	1.72E-08	1.12E-04	3.55E-08	1.51E-08
4696	491863.09, 3860	1.06E-04	3.33E-08	1.41E-08	1.29E-04	4.08E-08	1.73E-08	1.13E-04	3.58E-08	1.52E-08
4697	492363.09, 3860	1.09E-04	3.44E-08	1.46E-08	1.33E-04	4.21E-08	1.79E-08	1.17E-04	3.69E-08	1.57E-08
4698	492863.09, 3860	1.10E-04	3.46E-08	1.47E-08	1.34E-04	4.23E-08	1.80E-08	1.18E-04	3.71E-08	1.57E-08
4699	493363.09, 3860	1.11E-04	3.50E-08	1.48E-08	1.36E-04	4.29E-08	1.82E-08	1.19E-04	3.76E-08	1.59E-08
4700	493863.09, 3860	1.09E-04	3.43E-08	1.46E-08	1.33E-04	4.20E-08	1.78E-08	1.17E-04	3.68E-08	1.56E-08
4701	494363.09, 3860	1.07E-04	3.37E-08	1.43E-08	1.31E-04	4.13E-08	1.75E-08	1.15E-04	3.62E-08	1.53E-08
4702	494863.09, 3860	1.03E-04	3.25E-08	1.38E-08	1.26E-04	3.98E-08	1.69E-08	1.11E-04	3.49E-08	1.48E-08
4703	495363.09, 3860	9.99E-05	3.15E-08	1.34E-08	1.22E-04	3.86E-08	1.64E-08	1.07E-04	3.38E-08	1.44E-08
4704	495863.09, 3860	9.64E-05	3.04E-08	1.29E-08	1.18E-04	3.73E-08	1.58E-08	1.03E-04	3.27E-08	1.39E-08
4705	496363.09, 3860	9.18E-05	2.90E-08	1.23E-08	1.12E-04	3.55E-08	1.51E-08	9.85E-05	3.11E-08	1.32E-08
4706	496863.09, 3860	8.65E-05	2.73E-08	1.16E-08	1.06E-04	3.34E-08	1.42E-08	9.29E-05	2.93E-08	1.24E-08
4707	497363.09, 3860	7.95E-05	2.51E-08	1.06E-08	9.74E-05	3.07E-08	1.30E-08	8.53E-05	2.69E-08	1.14E-08
4708	497863.09, 3860	8.33E-05	2.63E-08	1.12E-08	1.02E-04	3.22E-08	1.37E-08	8.94E-05	2.82E-08	1.20E-08
4709	498363.09, 3860	8.17E-05	2.58E-08	1.09E-08	1.00E-04	3.16E-08	1.34E-08	8.77E-05	2.77E-08	1.17E-08
4710	471363.09, 3860	1.99E-05	6.29E-09	2.67E-09	2.44E-05	7.71E-09	3.27E-09	2.14E-05	6.76E-09	2.87E-09
4711	471863.09, 3860	2.11E-05	6.65E-09	2.82E-09	2.58E-05	8.15E-09	3.46E-09	2.26E-05	7.15E-09	3.03E-09
4712	472363.09, 3860	2.23E-05	7.03E-09	2.98E-09	2.73E-05	8.61E-09	3.65E-09	2.39E-05	7.55E-09	3.20E-09
4713	472863.09, 3860	2.35E-05	7.43E-09	3.15E-09	2.88E-05	9.10E-09	3.86E-09	2.53E-05	7.98E-09	3.39E-09
4714	473363.09, 3860	2.48E-05	7.82E-09	3.32E-09	3.03E-05	9.58E-09	4.06E-09	2.66E-05	8.40E-09	3.56E-09
4715	473863.09, 3860	2.59E-05	8.18E-09	3.47E-09	3.17E-05	1.00E-08	4.25E-09	2.78E-05	8.78E-09	3.73E-09
4716	474363.09, 3860	2.71E-05	8.54E-09	3.62E-09	3.31E-05	1.05E-08	4.44E-09	2.91E-05	9.17E-09	3.89E-09
4717	474863.09, 3860	2.83E-05	8.94E-09	3.79E-09	3.47E-05	1.09E-08	4.65E-09	3.04E-05	9.61E-09	4.08E-09
4718	475363.09, 3860	2.91E-05	9.20E-09	3.90E-09	3.57E-05	1.13E-08	4.78E-09	3.13E-05	9.89E-09	4.19E-09
4719	475863.09, 3860	2.93E-05	9.23E-09	3.92E-09	3.58E-05	1.13E-08	4.80E-09	3.14E-05	9.92E-09	4.21E-09
4720	476363.09, 3860	2.81E-05	8.86E-09	3.76E-09	3.44E-05	1.08E-08	4.60E-09	3.01E-05	9.51E-09	4.04E-09
4721	476863.09, 3860	2.78E-05	8.78E-09	3.72E-09	3.41E-05	1.08E-08	4.56E-09	2.99E-05	9.43E-09	4.00E-09
4722	477363.09, 3860	2.90E-05	9.15E-09	3.88E-09	3.55E-05	1.12E-08	4.76E-09	3.11E-05	9.83E-09	4.17E-09
4723	477863.09, 3860	2.61E-05	8.22E-09	3.49E-09	3.19E-05	1.01E-08	4.27E-09	2.80E-05	8.83E-09	3.75E-09
4724	478363.09, 3860	1.58E-05	4.98E-09	2.11E-09	1.93E-05	6.10E-09	2.59E-09	1.70E-05	5.35E-09	2.27E-09
4725	478863.09, 3860	3.36E-05	1.06E-08	4.50E-09	4.12E-05	1.30E-08	5.51E-09	3.61E-05	1.14E-08	4.84E-09
4726	479363.09, 3860	4.37E-05	1.38E-08	5.85E-09	5.35E-05	1.69E-08	7.17E-09	4.69E-05	1.48E-08	6.28E-09
4727	479863.09, 3860	4.95E-05	1.56E-08	6.63E-09	6.06E-05	1.91E-08	8.12E-09	5.31E-05	1.68E-08	7.11E-09
4728	480363.09, 3860	5.33E-05	1.68E-08	7.14E-09	6.53E-05	2.06E-08	8.74E-09	5.72E-05	1.81E-08	7.66E-09
4729	480863.09, 3860	5.70E-05	1.80E-08	7.63E-09	6.98E-05	2.20E-08	9.35E-09	6.12E-05	1.93E-08	8.19E-09
4730	481363.09, 3860	6.05E-05	1.91E-08	8.11E-09	7.42E-05	2.34E-08	9.93E-09	6.50E-05	2.05E-08	8.71E-09
4731	481863.09, 3860	6.40E-05	2.02E-08	8.57E-09	7.84E-05	2.47E-08	1.05E-08	6.87E-05	2.17E-08	9.21E-09
4732	482363.09, 3860	6.75E-05	2.13E-08	9.03E-09	8.26E-05	2.61E-08	1.11E-08	7.25E-05	2.29E-08	9.71E-09
4733	482863.09, 3860	7.16E-05	2.26E-08	9.59E-09	8.77E-05	2.77E-08	1.17E-08	7.70E-05	2.43E-08	1.03E-08
4734	483363.09, 3860	7.54E-05	2.38E-08	1.01E-08	9.24E-05	2.92E-08	1.24E-08	8.11E-05	2.56E-08	1.09E-08
4735	483863.09, 3860	7.89E-05	2.49E-08	1.06E-08	9.66E-05	3.05E-08	1.29E-08	8.48E-05	2.68E-08	1.14E-08
4736	484363.09, 3860	8.06E-05	2.54E-08	1.08E-08	9.87E-05	3.12E-08	1.32E-08	8.66E-05	2.73E-08	1.16E-08
4737	484863.09, 3860	8.04E-05	2.54E-08	1.08E-08	9.85E-05	3.11E-08	1.32E-08	8.64E-05	2.73E-08	1.16E-08
4738	485363.09, 3860	8.25E-05	2.60E-08	1.10E-08	1.01E-04	3.19E-08	1.35E-08	8.86E-05	2.79E-08	1.19E-08
4739	485863.09, 3860	8.52E-05	2.69E-08	1.14E-08	1.04E-04	3.29E-08	1.40E-08	9.15E-05	2.89E-08	1.23E-08
4740	486363.09, 3860	8.49E-05	2.68E-08	1.14E-08	1.04E-04	3.28E-08	1.39E-08	9.12E-05	2.88E-08	1.22E-08
4741	486863.09, 3860	8.51E-05	2.69E-08	1.14E-08	1.04E-04	3.29E-08	1.40E-08	9.14E-05	2.89E-08	1.22E-08
4742	487363.09, 3860	8.47E-05	2.67E-08	1.13E-08	1.04E-04	3.27E-08	1.39E-08	9.10E-05	2.87E-08	1.22E-08
4743	487863.09, 3860	8.44E-05	2.66E-08	1.13E-08	1.03E-04	3.26E-08	1.38E-08	9.06E-05	2.86E-08	1.21E-08
4744	488363.09, 3860	8.72E-05	2.75E-08	1.17E-08	1.07E-04	3.37E-08	1.43E-08	9.37E-05	2.96E-08	1.25E-08
4745	488863.09, 3860	8.56E-05	2.70E-08	1.15E-08	1.05E-04	3.31E-08	1.40E-08	9.19E-05	2.90E-08	1.23E-08
4746	489363.09, 3860	8.87E-05	2.80E-08	1.19E-08	1.09E-04	3.43E-08	1.46E-08	9.53E-05	3.01E-08	1.28E-08
4747	489863.09, 3860	8.76E-05	2.77E-08	1.17E-08	1.07E-04	3.39E-08	1.44E-08	9.41E-05	2.97E-08	1.26E-08
4748	490363.09, 3860	8.92E-05	2.81E-08	1.19E-08	1.09E-04	3.45E-08	1.46E-08	9.58E-05	3.02E-08	1.28E-08
4749	490863.09, 3860	8.99E-05	2.84E-08	1.20E-08	1.10E-04	3.48E-08	1.47E-08	9.65E-05	3.05E-08	1.29E-08
4750	491363.09, 3860	8.61E-05	2.72E-08	1.15E-08	1.06E-04	3.33E-08	1.41E-08	9.25E-05	2.92E-08	1.24E-08
4751	491863.09, 3860	8.24E-05	2.60E-08	1.10E-08	1.01E-04	3.19E-08	1.35E-08	8.85E-05	2.79E-08	1.19E-08
4752	492363.09, 3860	8.01E-05	2.53E-08	1.07E-08	9.81E-05	3.10E-08	1.31E-08	8.60E-05	2.72E-08	1.15E-08

4753	492863.09, 3860	8.17E-05	2.58E-08	1.09E-08	1.00E-04	3.16E-08	1.34E-08	8.77E-05	2.77E-08	1.17E-08
4754	493363.09, 3860	8.48E-05	2.68E-08	1.14E-08	1.04E-04	3.28E-08	1.39E-08	9.10E-05	2.87E-08	1.22E-08
4755	493863.09, 3860	8.55E-05	2.70E-08	1.15E-08	1.05E-04	3.31E-08	1.40E-08	9.18E-05	2.90E-08	1.23E-08
4756	494363.09, 3860	8.57E-05	2.70E-08	1.15E-08	1.05E-04	3.31E-08	1.41E-08	9.20E-05	2.90E-08	1.23E-08
4757	494863.09, 3860	8.54E-05	2.70E-08	1.14E-08	1.05E-04	3.30E-08	1.40E-08	9.17E-05	2.89E-08	1.23E-08
4758	495363.09, 3860	8.42E-05	2.66E-08	1.13E-08	1.03E-04	3.25E-08	1.38E-08	9.04E-05	2.85E-08	1.21E-08
4759	495863.09, 3860	8.19E-05	2.59E-08	1.10E-08	1.00E-04	3.17E-08	1.34E-08	8.79E-05	2.78E-08	1.18E-08
4760	496363.09, 3860	8.05E-05	2.54E-08	1.08E-08	9.86E-05	3.11E-08	1.32E-08	8.64E-05	2.73E-08	1.16E-08
4761	496863.09, 3860	7.85E-05	2.48E-08	1.05E-08	9.62E-05	3.04E-08	1.29E-08	8.43E-05	2.66E-08	1.13E-08
4762	497363.09, 3860	7.62E-05	2.41E-08	1.02E-08	9.34E-05	2.95E-08	1.25E-08	8.18E-05	2.58E-08	1.10E-08
4763	497863.09, 3860	7.41E-05	2.34E-08	9.92E-09	9.07E-05	2.86E-08	1.21E-08	7.95E-05	2.51E-08	1.06E-08
4764	498363.09, 3860	7.19E-05	2.27E-08	9.63E-09	8.81E-05	2.78E-08	1.18E-08	7.72E-05	2.44E-08	1.03E-08
4765	471363.09, 3861	1.99E-05	6.27E-09	2.66E-09	2.43E-05	7.68E-09	3.26E-09	2.13E-05	6.73E-09	2.86E-09
4766	471863.09, 3861	2.09E-05	6.60E-09	2.80E-09	2.56E-05	8.08E-09	3.43E-09	2.24E-05	7.08E-09	3.01E-09
4767	472363.09, 3861	2.19E-05	6.92E-09	2.93E-09	2.68E-05	8.47E-09	3.59E-09	2.35E-05	7.43E-09	3.15E-09
4768	472863.09, 3861	2.30E-05	7.25E-09	3.08E-09	2.81E-05	8.88E-09	3.77E-09	2.47E-05	7.79E-09	3.30E-09
4769	473363.09, 3861	2.40E-05	7.56E-09	3.21E-09	2.93E-05	9.26E-09	3.93E-09	2.57E-05	8.12E-09	3.45E-09
4770	473863.09, 3861	2.49E-05	7.87E-09	3.34E-09	3.06E-05	9.64E-09	4.09E-09	2.68E-05	8.46E-09	3.59E-09
4771	474363.09, 3861	2.61E-05	8.25E-09	3.50E-09	3.20E-05	1.01E-08	4.29E-09	2.81E-05	8.86E-09	3.76E-09
4772	474863.09, 3861	2.73E-05	8.63E-09	3.66E-09	3.35E-05	1.06E-08	4.48E-09	2.94E-05	9.27E-09	3.93E-09
4773	475363.09, 3861	2.87E-05	9.06E-09	3.84E-09	3.52E-05	1.11E-08	4.71E-09	3.08E-05	9.73E-09	4.13E-09
4774	475863.09, 3861	2.99E-05	9.43E-09	4.00E-09	3.66E-05	1.16E-08	4.90E-09	3.21E-05	1.01E-08	4.30E-09
4775	476363.09, 3861	3.08E-05	9.71E-09	4.12E-09	3.77E-05	1.19E-08	5.05E-09	3.30E-05	1.04E-08	4.43E-09
4776	476863.09, 3861	3.16E-05	9.98E-09	4.24E-09	3.87E-05	1.22E-08	5.19E-09	3.40E-05	1.07E-08	4.55E-09
4777	477363.09, 3861	3.25E-05	1.03E-08	4.35E-09	3.98E-05	1.26E-08	5.33E-09	3.49E-05	1.10E-08	4.67E-09
4778	477863.09, 3861	2.97E-05	9.38E-09	3.98E-09	3.64E-05	1.15E-08	4.87E-09	3.19E-05	1.01E-08	4.27E-09
4779	478363.09, 3861	1.94E-05	6.11E-09	2.59E-09	2.37E-05	7.48E-09	3.18E-09	2.08E-05	6.56E-09	2.79E-09
4780	478863.09, 3861	2.44E-05	7.71E-09	3.27E-09	2.99E-05	9.45E-09	4.01E-09	2.62E-05	8.28E-09	3.51E-09
4781	479363.09, 3861	3.96E-05	1.25E-08	5.30E-09	4.85E-05	1.53E-08	6.49E-09	4.25E-05	1.34E-08	5.69E-09
4782	479863.09, 3861	4.52E-05	1.43E-08	6.05E-09	5.53E-05	1.75E-08	7.41E-09	4.85E-05	1.53E-08	6.49E-09
4783	480363.09, 3861	4.87E-05	1.54E-08	6.52E-09	5.96E-05	1.88E-08	7.98E-09	5.23E-05	1.65E-08	7.00E-09
4784	480863.09, 3861	5.14E-05	1.62E-08	6.88E-09	6.29E-05	1.99E-08	8.42E-09	5.52E-05	1.74E-08	7.39E-09
4785	481363.09, 3861	5.40E-05	1.70E-08	7.23E-09	6.62E-05	2.09E-08	8.86E-09	5.80E-05	1.83E-08	7.77E-09
4786	481863.09, 3861	5.68E-05	1.79E-08	7.60E-09	6.95E-05	2.19E-08	9.31E-09	6.10E-05	1.92E-08	8.17E-09
4787	482363.09, 3861	5.99E-05	1.89E-08	8.02E-09	7.33E-05	2.31E-08	9.82E-09	6.43E-05	2.03E-08	8.61E-09
4788	482863.09, 3861	6.30E-05	1.99E-08	8.44E-09	7.72E-05	2.44E-08	1.03E-08	6.77E-05	2.14E-08	9.07E-09
4789	483363.09, 3861	6.58E-05	2.08E-08	8.81E-09	8.05E-05	2.54E-08	1.08E-08	7.07E-05	2.23E-08	9.46E-09
4790	483863.09, 3861	6.81E-05	2.15E-08	9.11E-09	8.33E-05	2.63E-08	1.12E-08	7.31E-05	2.31E-08	9.79E-09
4791	484363.09, 3861	7.05E-05	2.22E-08	9.44E-09	8.63E-05	2.72E-08	1.16E-08	7.57E-05	2.39E-08	1.01E-08
4792	484863.09, 3861	7.02E-05	2.21E-08	9.40E-09	8.59E-05	2.71E-08	1.15E-08	7.54E-05	2.38E-08	1.01E-08
4793	485363.09, 3861	6.98E-05	2.20E-08	9.35E-09	8.55E-05	2.70E-08	1.14E-08	7.50E-05	2.37E-08	1.00E-08
4794	485863.09, 3861	7.09E-05	2.24E-08	9.49E-09	8.68E-05	2.74E-08	1.16E-08	7.61E-05	2.40E-08	1.02E-08
4795	486363.09, 3861	7.13E-05	2.25E-08	9.55E-09	8.74E-05	2.76E-08	1.17E-08	7.66E-05	2.42E-08	1.03E-08
4796	486863.09, 3861	7.12E-05	2.25E-08	9.53E-09	8.72E-05	2.75E-08	1.17E-08	7.65E-05	2.41E-08	1.02E-08
4797	487363.09, 3861	7.02E-05	2.22E-08	9.40E-09	8.60E-05	2.71E-08	1.15E-08	7.54E-05	2.38E-08	1.01E-08
4798	487863.09, 3861	6.97E-05	2.20E-08	9.34E-09	8.54E-05	2.70E-08	1.14E-08	7.49E-05	2.37E-08	1.00E-08
4799	488363.09, 3861	6.93E-05	2.19E-08	9.27E-09	8.48E-05	2.68E-08	1.14E-08	7.44E-05	2.35E-08	9.96E-09
4800	488863.09, 3861	6.94E-05	2.19E-08	9.29E-09	8.49E-05	2.68E-08	1.14E-08	7.45E-05	2.35E-08	9.98E-09
4801	489363.09, 3861	6.99E-05	2.21E-08	9.36E-09	8.56E-05	2.70E-08	1.15E-08	7.51E-05	2.37E-08	1.01E-08
4802	489863.09, 3861	7.11E-05	2.24E-08	9.52E-09	8.70E-05	2.75E-08	1.17E-08	7.63E-05	2.41E-08	1.02E-08
4803	490363.09, 3861	7.15E-05	2.26E-08	9.58E-09	8.76E-05	2.77E-08	1.17E-08	7.68E-05	2.42E-08	1.03E-08
4804	490863.09, 3861	7.22E-05	2.28E-08	9.66E-09	8.84E-05	2.79E-08	1.18E-08	7.75E-05	2.45E-08	1.04E-08
4805	491363.09, 3861	7.29E-05	2.30E-08	9.77E-09	8.93E-05	2.82E-08	1.20E-08	7.83E-05	2.47E-08	1.05E-08
4806	491863.09, 3861	7.07E-05	2.23E-08	9.47E-09	8.66E-05	2.73E-08	1.16E-08	7.60E-05	2.40E-08	1.02E-08
4807	492363.09, 3861	6.74E-05	2.13E-08	9.02E-09	8.25E-05	2.60E-08	1.10E-08	7.23E-05	2.28E-08	9.68E-09
4808	492863.09, 3861	6.55E-05	2.07E-08	8.77E-09	8.02E-05	2.53E-08	1.07E-08	7.03E-05	2.22E-08	9.42E-09
4809	493363.09, 3861	6.57E-05	2.07E-08	8.80E-09	8.05E-05	2.54E-08	1.08E-08	7.06E-05	2.23E-08	9.45E-09
4810	493863.09, 3861	6.66E-05	2.10E-08	8.92E-09	8.16E-05	2.58E-08	1.09E-08	7.15E-05	2.26E-08	9.58E-09

4811	494363.09, 3861	6.78E-05	2.14E-08	9.07E-09	8.30E-05	2.62E-08	1.11E-08	7.27E-05	2.30E-08	9.74E-09
4812	494863.09, 3861	6.87E-05	2.17E-08	9.20E-09	8.41E-05	2.66E-08	1.13E-08	7.38E-05	2.33E-08	9.88E-09
4813	495363.09, 3861	6.89E-05	2.17E-08	9.22E-09	8.43E-05	2.66E-08	1.13E-08	7.39E-05	2.33E-08	9.90E-09
4814	495863.09, 3861	6.80E-05	2.15E-08	9.11E-09	8.33E-05	2.63E-08	1.12E-08	7.30E-05	2.31E-08	9.78E-09
4815	496363.09, 3861	6.79E-05	2.14E-08	9.09E-09	8.31E-05	2.62E-08	1.11E-08	7.29E-05	2.30E-08	9.76E-09
4816	496863.09, 3861	6.79E-05	2.14E-08	9.10E-09	8.32E-05	2.63E-08	1.11E-08	7.29E-05	2.30E-08	9.76E-09
4817	497363.09, 3861	6.64E-05	2.10E-08	8.90E-09	8.14E-05	2.57E-08	1.09E-08	7.13E-05	2.25E-08	9.55E-09
4818	497863.09, 3861	6.48E-05	2.05E-08	8.68E-09	7.94E-05	2.51E-08	1.06E-08	6.96E-05	2.20E-08	9.32E-09
4819	498363.09, 3861	6.33E-05	2.00E-08	8.48E-09	7.76E-05	2.45E-08	1.04E-08	6.80E-05	2.15E-08	9.10E-09
4820	471363.09, 3861	1.96E-05	6.19E-09	2.63E-09	2.40E-05	7.59E-09	3.22E-09	2.11E-05	6.65E-09	2.82E-09
4821	471863.09, 3861	2.04E-05	6.45E-09	2.74E-09	2.50E-05	7.90E-09	3.35E-09	2.20E-05	6.93E-09	2.94E-09
4822	472363.09, 3861	2.13E-05	6.71E-09	2.85E-09	2.60E-05	8.22E-09	3.49E-09	2.28E-05	7.21E-09	3.06E-09
4823	472863.09, 3861	2.21E-05	6.98E-09	2.96E-09	2.71E-05	8.55E-09	3.63E-09	2.38E-05	7.50E-09	3.18E-09
4824	473363.09, 3861	2.30E-05	7.26E-09	3.08E-09	2.82E-05	8.89E-09	3.77E-09	2.47E-05	7.80E-09	3.31E-09
4825	473863.09, 3861	2.40E-05	7.57E-09	3.21E-09	2.94E-05	9.27E-09	3.93E-09	2.58E-05	8.13E-09	3.45E-09
4826	474363.09, 3861	2.50E-05	7.90E-09	3.35E-09	3.07E-05	9.68E-09	4.11E-09	2.69E-05	8.49E-09	3.60E-09
4827	474863.09, 3861	2.62E-05	8.26E-09	3.50E-09	3.21E-05	1.01E-08	4.29E-09	2.81E-05	8.87E-09	3.76E-09
4828	475363.09, 3861	2.73E-05	8.63E-09	3.66E-09	3.35E-05	1.06E-08	4.48E-09	2.94E-05	9.27E-09	3.93E-09
4829	475863.09, 3861	2.86E-05	9.02E-09	3.83E-09	3.50E-05	1.10E-08	4.69E-09	3.07E-05	9.69E-09	4.11E-09
4830	476363.09, 3861	2.98E-05	9.41E-09	3.99E-09	3.65E-05	1.15E-08	4.89E-09	3.20E-05	1.01E-08	4.29E-09
4831	476863.09, 3861	3.08E-05	9.72E-09	4.12E-09	3.77E-05	1.19E-08	5.05E-09	3.31E-05	1.04E-08	4.43E-09
4832	477363.09, 3861	3.17E-05	1.00E-08	4.24E-09	3.88E-05	1.22E-08	5.19E-09	3.40E-05	1.07E-08	4.55E-09
4833	477863.09, 3861	2.88E-05	9.09E-09	3.86E-09	3.53E-05	1.11E-08	4.72E-09	3.09E-05	9.76E-09	4.14E-09
4834	478363.09, 3861	1.59E-05	5.02E-09	2.13E-09	1.95E-05	6.15E-09	2.61E-09	1.71E-05	5.39E-09	2.29E-09
4835	478863.09, 3861	2.64E-05	8.34E-09	3.54E-09	3.24E-05	1.02E-08	4.33E-09	2.84E-05	8.95E-09	3.80E-09
4836	479363.09, 3861	2.48E-05	7.81E-09	3.32E-09	3.03E-05	9.57E-09	4.06E-09	2.66E-05	8.39E-09	3.56E-09
4837	479863.09, 3861	4.11E-05	1.30E-08	5.50E-09	5.03E-05	1.59E-08	6.74E-09	4.41E-05	1.39E-08	5.91E-09
4838	480363.09, 3861	4.42E-05	1.39E-08	5.92E-09	5.41E-05	1.71E-08	7.25E-09	4.75E-05	1.50E-08	6.36E-09
4839	480863.09, 3861	4.65E-05	1.47E-08	6.22E-09	5.69E-05	1.80E-08	7.62E-09	4.99E-05	1.58E-08	6.68E-09
4840	481363.09, 3861	4.86E-05	1.54E-08	6.51E-09	5.96E-05	1.88E-08	7.98E-09	5.23E-05	1.65E-08	7.00E-09
4841	481863.09, 3861	5.09E-05	1.61E-08	6.82E-09	6.24E-05	1.97E-08	8.35E-09	5.47E-05	1.73E-08	7.33E-09
4842	482363.09, 3861	5.35E-05	1.69E-08	7.16E-09	6.55E-05	2.07E-08	8.77E-09	5.74E-05	1.81E-08	7.69E-09
4843	482863.09, 3861	5.59E-05	1.77E-08	7.49E-09	6.85E-05	2.16E-08	9.17E-09	6.01E-05	1.90E-08	8.05E-09
4844	483363.09, 3861	5.78E-05	1.82E-08	7.74E-09	7.08E-05	2.24E-08	9.48E-09	6.21E-05	1.96E-08	8.32E-09
4845	483863.09, 3861	5.96E-05	1.88E-08	7.98E-09	7.30E-05	2.30E-08	9.78E-09	6.40E-05	2.02E-08	8.57E-09
4846	484363.09, 3861	6.06E-05	1.91E-08	8.12E-09	7.42E-05	2.34E-08	9.94E-09	6.51E-05	2.05E-08	8.72E-09
4847	484863.09, 3861	6.16E-05	1.94E-08	8.25E-09	7.54E-05	2.38E-08	1.01E-08	6.61E-05	2.09E-08	8.86E-09
4848	485363.09, 3861	6.12E-05	1.93E-08	8.19E-09	7.49E-05	2.36E-08	1.00E-08	6.57E-05	2.07E-08	8.80E-09
4849	485863.09, 3861	6.05E-05	1.91E-08	8.11E-09	7.41E-05	2.34E-08	9.93E-09	6.50E-05	2.05E-08	8.71E-09
4850	486363.09, 3861	6.09E-05	1.92E-08	8.16E-09	7.46E-05	2.35E-08	9.99E-09	6.54E-05	2.06E-08	8.76E-09
4851	486863.09, 3861	6.05E-05	1.91E-08	8.10E-09	7.41E-05	2.34E-08	9.93E-09	6.50E-05	2.05E-08	8.71E-09
4852	487363.09, 3861	5.98E-05	1.89E-08	8.00E-09	7.32E-05	2.31E-08	9.80E-09	6.42E-05	2.03E-08	8.60E-09
4853	487863.09, 3861	5.91E-05	1.87E-08	7.91E-09	7.24E-05	2.28E-08	9.69E-09	6.35E-05	2.00E-08	8.51E-09
4854	488363.09, 3861	5.87E-05	1.85E-08	7.86E-09	7.19E-05	2.27E-08	9.63E-09	6.30E-05	1.99E-08	8.44E-09
4855	488863.09, 3861	5.82E-05	1.84E-08	7.80E-09	7.13E-05	2.25E-08	9.55E-09	6.25E-05	1.97E-08	8.37E-09
4856	489363.09, 3861	5.80E-05	1.83E-08	7.77E-09	7.10E-05	2.24E-08	9.51E-09	6.23E-05	1.97E-08	8.34E-09
4857	489863.09, 3861	5.88E-05	1.86E-08	7.88E-09	7.21E-05	2.27E-08	9.65E-09	6.32E-05	1.99E-08	8.46E-09
4858	490363.09, 3861	5.90E-05	1.86E-08	7.90E-09	7.23E-05	2.28E-08	9.68E-09	6.34E-05	2.00E-08	8.49E-09
4859	490863.09, 3861	5.94E-05	1.87E-08	7.95E-09	7.27E-05	2.30E-08	9.74E-09	6.38E-05	2.01E-08	8.54E-09
4860	491363.09, 3861	6.01E-05	1.90E-08	8.05E-09	7.36E-05	2.32E-08	9.86E-09	6.46E-05	2.04E-08	8.65E-09
4861	491863.09, 3861	6.12E-05	1.93E-08	8.20E-09	7.50E-05	2.37E-08	1.00E-08	6.57E-05	2.08E-08	8.80E-09
4862	492363.09, 3861	5.94E-05	1.88E-08	7.96E-09	7.28E-05	2.30E-08	9.75E-09	6.38E-05	2.01E-08	8.55E-09
4863	492863.09, 3861	5.67E-05	1.79E-08	7.59E-09	6.94E-05	2.19E-08	9.30E-09	6.09E-05	1.92E-08	8.15E-09
4864	493363.09, 3861	5.48E-05	1.73E-08	7.34E-09	6.72E-05	2.12E-08	8.99E-09	5.89E-05	1.86E-08	7.89E-09
4865	493863.09, 3861	5.43E-05	1.71E-08	7.27E-09	6.65E-05	2.10E-08	8.90E-09	5.83E-05	1.84E-08	7.81E-09
4866	494363.09, 3861	5.47E-05	1.73E-08	7.32E-09	6.70E-05	2.11E-08	8.97E-09	5.87E-05	1.85E-08	7.86E-09
4867	494863.09, 3861	5.58E-05	1.76E-08	7.48E-09	6.84E-05	2.16E-08	9.16E-09	5.99E-05	1.89E-08	8.03E-09
4868	495363.09, 3861	5.67E-05	1.79E-08	7.60E-09	6.95E-05	2.19E-08	9.31E-09	6.09E-05	1.92E-08	8.16E-09

4869	495863.09, 3861	5.73E-05	1.81E-08	7.67E-09	7.01E-05	2.21E-08	9.39E-09	6.15E-05	1.94E-08	8.23E-09
4870	496363.09, 3861	5.75E-05	1.82E-08	7.71E-09	7.05E-05	2.22E-08	9.44E-09	6.18E-05	1.95E-08	8.27E-09
4871	496863.09, 3861	6.06E-05	1.91E-08	8.12E-09	7.43E-05	2.34E-08	9.95E-09	6.51E-05	2.05E-08	8.72E-09
4872	497363.09, 3861	5.77E-05	1.82E-08	7.72E-09	7.06E-05	2.23E-08	9.46E-09	6.19E-05	1.95E-08	8.29E-09
4873	497863.09, 3861	5.59E-05	1.76E-08	7.49E-09	6.85E-05	2.16E-08	9.17E-09	6.00E-05	1.89E-08	8.04E-09
4874	498363.09, 3861	5.45E-05	1.72E-08	7.30E-09	6.68E-05	2.11E-08	8.94E-09	5.85E-05	1.85E-08	7.84E-09
4875	471363.09, 3862	1.91E-05	6.01E-09	2.55E-09	2.33E-05	7.36E-09	3.12E-09	2.05E-05	6.46E-09	2.74E-09
4876	471863.09, 3862	1.97E-05	6.23E-09	2.64E-09	2.42E-05	7.63E-09	3.24E-09	2.12E-05	6.69E-09	2.84E-09
4877	472363.09, 3862	2.04E-05	6.45E-09	2.74E-09	2.50E-05	7.90E-09	3.35E-09	2.20E-05	6.93E-09	2.94E-09
4878	472863.09, 3862	2.12E-05	6.69E-09	2.84E-09	2.60E-05	8.20E-09	3.48E-09	2.28E-05	7.19E-09	3.05E-09
4879	473363.09, 3862	2.20E-05	6.95E-09	2.95E-09	2.70E-05	8.51E-09	3.61E-09	2.37E-05	7.47E-09	3.17E-09
4880	473863.09, 3862	2.29E-05	7.23E-09	3.07E-09	2.81E-05	8.86E-09	3.76E-09	2.46E-05	7.77E-09	3.30E-09
4881	474363.09, 3862	2.39E-05	7.53E-09	3.20E-09	2.92E-05	9.23E-09	3.91E-09	2.56E-05	8.09E-09	3.43E-09
4882	474863.09, 3862	2.48E-05	7.83E-09	3.32E-09	3.04E-05	9.59E-09	4.07E-09	2.67E-05	8.41E-09	3.57E-09
4883	475363.09, 3862	2.59E-05	8.17E-09	3.46E-09	3.17E-05	1.00E-08	4.24E-09	2.78E-05	8.77E-09	3.72E-09
4884	475863.09, 3862	2.69E-05	8.49E-09	3.60E-09	3.30E-05	1.04E-08	4.41E-09	2.89E-05	9.12E-09	3.87E-09
4885	476363.09, 3862	2.80E-05	8.83E-09	3.75E-09	3.43E-05	1.08E-08	4.59E-09	3.00E-05	9.48E-09	4.02E-09
4886	476863.09, 3862	2.91E-05	9.17E-09	3.89E-09	3.56E-05	1.12E-08	4.77E-09	3.12E-05	9.85E-09	4.18E-09
4887	477363.09, 3862	3.03E-05	9.55E-09	4.05E-09	3.71E-05	1.17E-08	4.96E-09	3.25E-05	1.03E-08	4.35E-09
4888	477863.09, 3862	2.91E-05	9.19E-09	3.90E-09	3.57E-05	1.13E-08	4.78E-09	3.13E-05	9.87E-09	4.19E-09
4889	478363.09, 3862	2.61E-05	8.25E-09	3.50E-09	3.20E-05	1.01E-08	4.29E-09	2.81E-05	8.85E-09	3.76E-09
4890	478863.09, 3862	2.76E-05	8.71E-09	3.70E-09	3.38E-05	1.07E-08	4.53E-09	2.96E-05	9.36E-09	3.97E-09
4891	479363.09, 3862	3.17E-05	1.00E-08	4.24E-09	3.88E-05	1.22E-08	5.19E-09	3.40E-05	1.07E-08	4.56E-09
4892	479863.09, 3862	3.81E-05	1.20E-08	5.10E-09	4.67E-05	1.47E-08	6.25E-09	4.09E-05	1.29E-08	5.48E-09
4893	480363.09, 3862	4.04E-05	1.28E-08	5.42E-09	4.95E-05	1.56E-08	6.63E-09	4.34E-05	1.37E-08	5.82E-09
4894	480863.09, 3862	4.23E-05	1.33E-08	5.66E-09	5.18E-05	1.63E-08	6.94E-09	4.54E-05	1.43E-08	6.08E-09
4895	481363.09, 3862	4.40E-05	1.39E-08	5.89E-09	5.39E-05	1.70E-08	7.22E-09	4.73E-05	1.49E-08	6.33E-09
4896	481863.09, 3862	4.57E-05	1.44E-08	6.12E-09	5.60E-05	1.77E-08	7.50E-09	4.91E-05	1.55E-08	6.58E-09
4897	482363.09, 3862	4.78E-05	1.51E-08	6.40E-09	5.85E-05	1.85E-08	7.84E-09	5.13E-05	1.62E-08	6.87E-09
4898	482863.09, 3862	4.97E-05	1.57E-08	6.66E-09	6.09E-05	1.92E-08	8.15E-09	5.34E-05	1.69E-08	7.15E-09
4899	483363.09, 3862	5.14E-05	1.62E-08	6.88E-09	6.30E-05	1.99E-08	8.43E-09	5.52E-05	1.74E-08	7.39E-09
4900	483863.09, 3862	5.23E-05	1.65E-08	7.00E-09	6.40E-05	2.02E-08	8.58E-09	5.62E-05	1.77E-08	7.52E-09
4901	484363.09, 3862	5.35E-05	1.69E-08	7.17E-09	6.56E-05	2.07E-08	8.78E-09	5.75E-05	1.81E-08	7.70E-09
4902	484863.09, 3862	5.32E-05	1.68E-08	7.12E-09	6.51E-05	2.06E-08	8.72E-09	5.71E-05	1.80E-08	7.65E-09
4903	485363.09, 3862	5.27E-05	1.66E-08	7.06E-09	6.46E-05	2.04E-08	8.65E-09	5.67E-05	1.79E-08	7.59E-09
4904	485863.09, 3862	5.29E-05	1.67E-08	7.09E-09	6.48E-05	2.05E-08	8.68E-09	5.68E-05	1.79E-08	7.61E-09
4905	486363.09, 3862	5.26E-05	1.66E-08	7.04E-09	6.44E-05	2.03E-08	8.63E-09	5.65E-05	1.78E-08	7.57E-09
4906	486863.09, 3862	5.21E-05	1.64E-08	6.98E-09	6.38E-05	2.01E-08	8.55E-09	5.60E-05	1.77E-08	7.49E-09
4907	487363.09, 3862	5.15E-05	1.62E-08	6.89E-09	6.31E-05	1.99E-08	8.44E-09	5.53E-05	1.75E-08	7.41E-09
4908	487863.09, 3862	5.10E-05	1.61E-08	6.83E-09	6.25E-05	1.97E-08	8.37E-09	5.49E-05	1.73E-08	7.35E-09
4909	488363.09, 3862	5.07E-05	1.60E-08	6.79E-09	6.21E-05	1.96E-08	8.31E-09	5.44E-05	1.72E-08	7.29E-09
4910	488863.09, 3862	5.04E-05	1.59E-08	6.75E-09	6.17E-05	1.95E-08	8.27E-09	5.41E-05	1.71E-08	7.25E-09
4911	489363.09, 3862	5.02E-05	1.59E-08	6.73E-09	6.15E-05	1.94E-08	8.24E-09	5.40E-05	1.70E-08	7.22E-09
4912	489863.09, 3862	5.06E-05	1.60E-08	6.77E-09	6.19E-05	1.96E-08	8.30E-09	5.43E-05	1.71E-08	7.28E-09
4913	490363.09, 3862	5.12E-05	1.62E-08	6.85E-09	6.27E-05	1.98E-08	8.40E-09	5.50E-05	1.74E-08	7.36E-09
4914	490863.09, 3862	5.15E-05	1.63E-08	6.90E-09	6.31E-05	1.99E-08	8.45E-09	5.53E-05	1.75E-08	7.41E-09
4915	491363.09, 3862	5.16E-05	1.63E-08	6.90E-09	6.31E-05	1.99E-08	8.46E-09	5.54E-05	1.75E-08	7.41E-09
4916	491863.09, 3862	5.16E-05	1.63E-08	6.91E-09	6.32E-05	2.00E-08	8.47E-09	5.54E-05	1.75E-08	7.42E-09
4917	492363.09, 3862	5.25E-05	1.66E-08	7.04E-09	6.44E-05	2.03E-08	8.62E-09	5.64E-05	1.78E-08	7.56E-09
4918	492863.09, 3862	5.18E-05	1.63E-08	6.94E-09	6.34E-05	2.00E-08	8.50E-09	5.56E-05	1.76E-08	7.45E-09
4919	493363.09, 3862	4.95E-05	1.56E-08	6.63E-09	6.07E-05	1.91E-08	8.12E-09	5.32E-05	1.68E-08	7.12E-09
4920	493863.09, 3862	4.76E-05	1.50E-08	6.37E-09	5.83E-05	1.84E-08	7.80E-09	5.11E-05	1.61E-08	6.84E-09
4921	494363.09, 3862	4.66E-05	1.47E-08	6.25E-09	5.71E-05	1.80E-08	7.65E-09	5.01E-05	1.58E-08	6.71E-09
4922	494863.09, 3862	4.67E-05	1.47E-08	6.25E-09	5.72E-05	1.80E-08	7.66E-09	5.01E-05	1.58E-08	6.71E-09
4923	495363.09, 3862	4.69E-05	1.48E-08	6.28E-09	5.74E-05	1.81E-08	7.69E-09	5.04E-05	1.59E-08	6.74E-09
4924	495863.09, 3862	4.76E-05	1.50E-08	6.38E-09	5.83E-05	1.84E-08	7.81E-09	5.11E-05	1.61E-08	6.85E-09
4925	496363.09, 3862	4.83E-05	1.52E-08	6.46E-09	5.91E-05	1.87E-08	7.91E-09	5.18E-05	1.63E-08	6.94E-09
4926	496863.09, 3862	4.92E-05	1.55E-08	6.59E-09	6.03E-05	1.90E-08	8.07E-09	5.28E-05	1.67E-08	7.08E-09

4927	497363.09, 3862	4.89E-05	1.54E-08	6.55E-09	5.99E-05	1.89E-08	8.02E-09	5.25E-05	1.66E-08	7.03E-09
4928	497863.09, 3862	4.85E-05	1.53E-08	6.49E-09	5.93E-05	1.87E-08	7.95E-09	5.20E-05	1.64E-08	6.96E-09
4929	498363.09, 3862	4.75E-05	1.50E-08	6.36E-09	5.81E-05	1.83E-08	7.78E-09	5.10E-05	1.61E-08	6.82E-09
4930	471363.09, 3862	1.83E-05	5.78E-09	2.45E-09	2.24E-05	7.08E-09	3.00E-09	1.97E-05	6.21E-09	2.63E-09
4931	471863.09, 3862	1.89E-05	5.97E-09	2.53E-09	2.32E-05	7.31E-09	3.10E-09	2.03E-05	6.42E-09	2.72E-09
4932	472363.09, 3862	1.96E-05	6.18E-09	2.62E-09	2.40E-05	7.57E-09	3.21E-09	2.10E-05	6.64E-09	2.82E-09
4933	472863.09, 3862	2.03E-05	6.40E-09	2.72E-09	2.48E-05	7.84E-09	3.33E-09	2.18E-05	6.88E-09	2.92E-09
4934	473363.09, 3862	2.10E-05	6.64E-09	2.82E-09	2.57E-05	8.13E-09	3.45E-09	2.26E-05	7.13E-09	3.02E-09
4935	473863.09, 3862	2.18E-05	6.89E-09	2.92E-09	2.67E-05	8.44E-09	3.58E-09	2.34E-05	7.40E-09	3.14E-09
4936	474363.09, 3862	2.26E-05	7.15E-09	3.03E-09	2.77E-05	8.75E-09	3.71E-09	2.43E-05	7.68E-09	3.26E-09
4937	474863.09, 3862	2.35E-05	7.42E-09	3.15E-09	2.88E-05	9.09E-09	3.86E-09	2.53E-05	7.97E-09	3.38E-09
4938	475363.09, 3862	2.43E-05	7.68E-09	3.26E-09	2.98E-05	9.40E-09	3.99E-09	2.61E-05	8.25E-09	3.50E-09
4939	475863.09, 3862	2.52E-05	7.95E-09	3.37E-09	3.09E-05	9.74E-09	4.13E-09	2.71E-05	8.54E-09	3.62E-09
4940	476363.09, 3862	2.61E-05	8.24E-09	3.50E-09	3.20E-05	1.01E-08	4.28E-09	2.80E-05	8.85E-09	3.75E-09
4941	476863.09, 3862	2.72E-05	8.58E-09	3.64E-09	3.33E-05	1.05E-08	4.46E-09	2.92E-05	9.22E-09	3.91E-09
4942	477363.09, 3862	2.84E-05	8.97E-09	3.80E-09	3.48E-05	1.10E-08	4.66E-09	3.05E-05	9.63E-09	4.08E-09
4943	477863.09, 3862	2.89E-05	9.11E-09	3.86E-09	3.53E-05	1.12E-08	4.73E-09	3.10E-05	9.78E-09	4.15E-09
4944	478363.09, 3862	2.74E-05	8.65E-09	3.67E-09	3.36E-05	1.06E-08	4.49E-09	2.94E-05	9.29E-09	3.94E-09
4945	478863.09, 3862	2.88E-05	9.09E-09	3.86E-09	3.53E-05	1.11E-08	4.72E-09	3.09E-05	9.76E-09	4.14E-09
4946	479363.09, 3862	3.08E-05	9.71E-09	4.12E-09	3.77E-05	1.19E-08	5.05E-09	3.30E-05	1.04E-08	4.42E-09
4947	479863.09, 3862	3.57E-05	1.13E-08	4.78E-09	4.37E-05	1.38E-08	5.85E-09	3.83E-05	1.21E-08	5.13E-09
4948	480363.09, 3862	3.71E-05	1.17E-08	4.97E-09	4.54E-05	1.43E-08	6.09E-09	3.99E-05	1.26E-08	5.34E-09
4949	480863.09, 3862	3.86E-05	1.22E-08	5.17E-09	4.73E-05	1.49E-08	6.33E-09	4.15E-05	1.31E-08	5.55E-09
4950	481363.09, 3862	3.97E-05	1.25E-08	5.32E-09	4.87E-05	1.54E-08	6.52E-09	4.27E-05	1.35E-08	5.72E-09
4951	481863.09, 3862	4.17E-05	1.32E-08	5.58E-09	5.11E-05	1.61E-08	6.84E-09	4.48E-05	1.41E-08	6.00E-09
4952	482363.09, 3862	4.30E-05	1.36E-08	5.75E-09	5.26E-05	1.66E-08	7.05E-09	4.62E-05	1.46E-08	6.18E-09
4953	482863.09, 3862	4.46E-05	1.41E-08	5.97E-09	5.46E-05	1.72E-08	7.32E-09	4.79E-05	1.51E-08	6.42E-09
4954	483363.09, 3862	4.58E-05	1.44E-08	6.13E-09	5.60E-05	1.77E-08	7.51E-09	4.92E-05	1.55E-08	6.58E-09
4955	483863.09, 3862	4.65E-05	1.47E-08	6.23E-09	5.70E-05	1.80E-08	7.63E-09	5.00E-05	1.58E-08	6.69E-09
4956	484363.09, 3862	4.72E-05	1.49E-08	6.32E-09	5.78E-05	1.82E-08	7.74E-09	5.07E-05	1.60E-08	6.78E-09
4957	484863.09, 3862	4.66E-05	1.47E-08	6.24E-09	5.71E-05	1.80E-08	7.65E-09	5.01E-05	1.58E-08	6.71E-09
4958	485363.09, 3862	4.65E-05	1.47E-08	6.22E-09	5.69E-05	1.80E-08	7.62E-09	4.99E-05	1.58E-08	6.69E-09
4959	485863.09, 3862	4.62E-05	1.46E-08	6.19E-09	5.66E-05	1.79E-08	7.59E-09	4.97E-05	1.57E-08	6.65E-09
4960	486363.09, 3862	4.63E-05	1.46E-08	6.20E-09	5.67E-05	1.79E-08	7.59E-09	4.97E-05	1.57E-08	6.66E-09
4961	486863.09, 3862	4.55E-05	1.44E-08	6.09E-09	5.57E-05	1.76E-08	7.46E-09	4.89E-05	1.54E-08	6.54E-09
4962	487363.09, 3862	4.51E-05	1.42E-08	6.04E-09	5.52E-05	1.74E-08	7.39E-09	4.84E-05	1.53E-08	6.48E-09
4963	487863.09, 3862	4.47E-05	1.41E-08	5.98E-09	5.47E-05	1.73E-08	7.33E-09	4.80E-05	1.52E-08	6.43E-09
4964	488363.09, 3862	4.45E-05	1.40E-08	5.96E-09	5.45E-05	1.72E-08	7.30E-09	4.78E-05	1.51E-08	6.40E-09
4965	488863.09, 3862	4.42E-05	1.39E-08	5.92E-09	5.41E-05	1.71E-08	7.25E-09	4.74E-05	1.50E-08	6.35E-09
4966	489363.09, 3862	4.39E-05	1.38E-08	5.87E-09	5.37E-05	1.70E-08	7.19E-09	4.71E-05	1.49E-08	6.31E-09
4967	489863.09, 3862	4.40E-05	1.39E-08	5.89E-09	5.38E-05	1.70E-08	7.21E-09	4.72E-05	1.49E-08	6.32E-09
4968	490363.09, 3862	4.43E-05	1.40E-08	5.94E-09	5.43E-05	1.71E-08	7.27E-09	4.76E-05	1.50E-08	6.38E-09
4969	490863.09, 3862	4.48E-05	1.41E-08	6.00E-09	5.48E-05	1.73E-08	7.34E-09	4.81E-05	1.52E-08	6.44E-09
4970	491363.09, 3862	4.55E-05	1.44E-08	6.09E-09	5.57E-05	1.76E-08	7.46E-09	4.88E-05	1.54E-08	6.54E-09
4971	491863.09, 3862	4.49E-05	1.42E-08	6.01E-09	5.50E-05	1.74E-08	7.37E-09	4.82E-05	1.52E-08	6.46E-09
4972	492363.09, 3862	4.52E-05	1.43E-08	6.06E-09	5.54E-05	1.75E-08	7.42E-09	4.86E-05	1.53E-08	6.50E-09
4973	492863.09, 3862	4.59E-05	1.45E-08	6.15E-09	5.62E-05	1.78E-08	7.53E-09	4.93E-05	1.56E-08	6.60E-09
4974	493363.09, 3862	4.56E-05	1.44E-08	6.11E-09	5.59E-05	1.76E-08	7.48E-09	4.90E-05	1.55E-08	6.56E-09
4975	493863.09, 3862	4.40E-05	1.39E-08	5.89E-09	5.39E-05	1.70E-08	7.22E-09	4.73E-05	1.49E-08	6.33E-09
4976	494363.09, 3862	4.22E-05	1.33E-08	5.65E-09	5.16E-05	1.63E-08	6.92E-09	4.53E-05	1.43E-08	6.06E-09
4977	494863.09, 3862	4.08E-05	1.29E-08	5.46E-09	5.00E-05	1.58E-08	6.69E-09	4.38E-05	1.38E-08	5.87E-09
4978	495363.09, 3862	4.04E-05	1.27E-08	5.41E-09	4.95E-05	1.56E-08	6.62E-09	4.34E-05	1.37E-08	5.81E-09
4979	495863.09, 3862	4.06E-05	1.28E-08	5.43E-09	4.97E-05	1.57E-08	6.65E-09	4.36E-05	1.37E-08	5.83E-09
4980	496363.09, 3862	4.11E-05	1.30E-08	5.50E-09	5.03E-05	1.59E-08	6.73E-09	4.41E-05	1.39E-08	5.90E-09
4981	496863.09, 3862	4.17E-05	1.31E-08	5.58E-09	5.10E-05	1.61E-08	6.83E-09	4.47E-05	1.41E-08	5.99E-09
4982	497363.09, 3862	4.21E-05	1.33E-08	5.63E-09	5.15E-05	1.63E-08	6.90E-09	4.51E-05	1.42E-08	6.05E-09
4983	497863.09, 3862	4.23E-05	1.34E-08	5.67E-09	5.18E-05	1.64E-08	6.94E-09	4.54E-05	1.43E-08	6.08E-09
4984	498363.09, 3862	4.24E-05	1.34E-08	5.68E-09	5.20E-05	1.64E-08	6.96E-09	4.55E-05	1.44E-08	6.10E-09

4985	471363.09, 3863	1.76E-05	5.54E-09	2.35E-09	2.15E-05	6.79E-09	2.88E-09	1.89E-05	5.95E-09	2.53E-09
4986	471863.09, 3863	1.81E-05	5.72E-09	2.43E-09	2.22E-05	7.01E-09	2.97E-09	1.95E-05	6.15E-09	2.61E-09
4987	472363.09, 3863	1.88E-05	5.92E-09	2.51E-09	2.30E-05	7.25E-09	3.08E-09	2.01E-05	6.36E-09	2.70E-09
4988	472863.09, 3863	1.94E-05	6.11E-09	2.59E-09	2.37E-05	7.48E-09	3.18E-09	2.08E-05	6.56E-09	2.78E-09
4989	473363.09, 3863	2.00E-05	6.31E-09	2.68E-09	2.45E-05	7.73E-09	3.28E-09	2.15E-05	6.78E-09	2.88E-09
4990	473863.09, 3863	2.07E-05	6.53E-09	2.77E-09	2.54E-05	8.00E-09	3.40E-09	2.22E-05	7.02E-09	2.98E-09
4991	474363.09, 3863	2.14E-05	6.75E-09	2.87E-09	2.62E-05	8.27E-09	3.51E-09	2.30E-05	7.25E-09	3.08E-09
4992	474863.09, 3863	2.20E-05	6.95E-09	2.95E-09	2.70E-05	8.52E-09	3.61E-09	2.37E-05	7.46E-09	3.17E-09
4993	475363.09, 3863	2.28E-05	7.18E-09	3.05E-09	2.79E-05	8.80E-09	3.73E-09	2.44E-05	7.71E-09	3.27E-09
4994	475863.09, 3863	2.35E-05	7.42E-09	3.15E-09	2.88E-05	9.09E-09	3.86E-09	2.52E-05	7.97E-09	3.38E-09
4995	476363.09, 3863	2.43E-05	7.68E-09	3.26E-09	2.98E-05	9.41E-09	3.99E-09	2.61E-05	8.25E-09	3.50E-09
4996	476863.09, 3863	2.53E-05	7.99E-09	3.39E-09	3.10E-05	9.79E-09	4.15E-09	2.72E-05	8.58E-09	3.64E-09
4997	477363.09, 3863	2.65E-05	8.36E-09	3.55E-09	3.24E-05	1.02E-08	4.34E-09	2.84E-05	8.98E-09	3.81E-09
4998	477863.09, 3863	2.76E-05	8.70E-09	3.69E-09	3.38E-05	1.07E-08	4.52E-09	2.96E-05	9.34E-09	3.96E-09
4999	478363.09, 3863	2.80E-05	8.84E-09	3.75E-09	3.43E-05	1.08E-08	4.60E-09	3.01E-05	9.50E-09	4.03E-09
5000	478863.09, 3863	2.97E-05	9.38E-09	3.98E-09	3.64E-05	1.15E-08	4.87E-09	3.19E-05	1.01E-08	4.27E-09
5001	479363.09, 3863	3.16E-05	9.99E-09	4.24E-09	3.88E-05	1.22E-08	5.19E-09	3.40E-05	1.07E-08	4.55E-09
5002	479863.09, 3863	3.27E-05	1.03E-08	4.38E-09	4.01E-05	1.26E-08	5.36E-09	3.51E-05	1.11E-08	4.70E-09
5003	480363.09, 3863	3.39E-05	1.07E-08	4.54E-09	4.15E-05	1.31E-08	5.56E-09	3.64E-05	1.15E-08	4.88E-09
5004	480863.09, 3863	3.51E-05	1.11E-08	4.70E-09	4.30E-05	1.36E-08	5.76E-09	3.78E-05	1.19E-08	5.06E-09
5005	481363.09, 3863	3.61E-05	1.14E-08	4.83E-09	4.42E-05	1.40E-08	5.92E-09	3.88E-05	1.22E-08	5.19E-09
5006	481863.09, 3863	3.75E-05	1.18E-08	5.03E-09	4.60E-05	1.45E-08	6.16E-09	4.03E-05	1.27E-08	5.40E-09
5007	482363.09, 3863	3.90E-05	1.23E-08	5.22E-09	4.78E-05	1.51E-08	6.39E-09	4.19E-05	1.32E-08	5.61E-09
5008	482863.09, 3863	4.00E-05	1.26E-08	5.35E-09	4.89E-05	1.54E-08	6.55E-09	4.29E-05	1.35E-08	5.75E-09
5009	483363.09, 3863	4.08E-05	1.29E-08	5.47E-09	5.00E-05	1.58E-08	6.70E-09	4.38E-05	1.38E-08	5.87E-09
5010	483863.09, 3863	4.15E-05	1.31E-08	5.55E-09	5.08E-05	1.60E-08	6.80E-09	4.45E-05	1.41E-08	5.96E-09
5011	484363.09, 3863	4.16E-05	1.31E-08	5.58E-09	5.10E-05	1.61E-08	6.83E-09	4.47E-05	1.41E-08	5.99E-09
5012	484863.09, 3863	4.16E-05	1.31E-08	5.57E-09	5.09E-05	1.61E-08	6.82E-09	4.47E-05	1.41E-08	5.98E-09
5013	485363.09, 3863	4.11E-05	1.30E-08	5.51E-09	5.04E-05	1.59E-08	6.74E-09	4.42E-05	1.39E-08	5.92E-09
5014	485863.09, 3863	4.10E-05	1.29E-08	5.48E-09	5.02E-05	1.58E-08	6.72E-09	4.40E-05	1.39E-08	5.89E-09
5015	486363.09, 3863	4.07E-05	1.29E-08	5.45E-09	4.99E-05	1.57E-08	6.68E-09	4.37E-05	1.38E-08	5.86E-09
5016	486863.09, 3863	4.04E-05	1.28E-08	5.41E-09	4.95E-05	1.56E-08	6.63E-09	4.34E-05	1.37E-08	5.81E-09
5017	487363.09, 3863	4.00E-05	1.26E-08	5.36E-09	4.90E-05	1.55E-08	6.56E-09	4.30E-05	1.36E-08	5.76E-09
5018	487863.09, 3863	3.96E-05	1.25E-08	5.30E-09	4.85E-05	1.53E-08	6.49E-09	4.25E-05	1.34E-08	5.70E-09
5019	488363.09, 3863	3.94E-05	1.24E-08	5.28E-09	4.82E-05	1.52E-08	6.46E-09	4.23E-05	1.34E-08	5.67E-09
5020	488863.09, 3863	3.92E-05	1.24E-08	5.25E-09	4.80E-05	1.51E-08	6.43E-09	4.21E-05	1.33E-08	5.64E-09
5021	489363.09, 3863	3.88E-05	1.22E-08	5.19E-09	4.75E-05	1.50E-08	6.36E-09	4.17E-05	1.31E-08	5.58E-09
5022	489863.09, 3863	3.87E-05	1.22E-08	5.18E-09	4.73E-05	1.49E-08	6.34E-09	4.15E-05	1.31E-08	5.56E-09
5023	490363.09, 3863	3.88E-05	1.23E-08	5.20E-09	4.76E-05	1.50E-08	6.37E-09	4.17E-05	1.32E-08	5.59E-09
5024	490863.09, 3863	3.94E-05	1.24E-08	5.28E-09	4.83E-05	1.52E-08	6.47E-09	4.23E-05	1.34E-08	5.67E-09
5025	491363.09, 3863	3.96E-05	1.25E-08	5.30E-09	4.85E-05	1.53E-08	6.50E-09	4.25E-05	1.34E-08	5.70E-09
5026	491863.09, 3863	3.97E-05	1.25E-08	5.32E-09	4.87E-05	1.54E-08	6.52E-09	4.27E-05	1.35E-08	5.72E-09
5027	492363.09, 3863	4.02E-05	1.27E-08	5.38E-09	4.92E-05	1.55E-08	6.59E-09	4.31E-05	1.36E-08	5.78E-09
5028	492863.09, 3863	4.13E-05	1.30E-08	5.53E-09	5.06E-05	1.60E-08	6.77E-09	4.43E-05	1.40E-08	5.94E-09
5029	493363.09, 3863	4.26E-05	1.34E-08	5.70E-09	5.22E-05	1.65E-08	6.98E-09	4.57E-05	1.44E-08	6.12E-09
5030	493863.09, 3863	4.22E-05	1.33E-08	5.66E-09	5.17E-05	1.63E-08	6.93E-09	4.54E-05	1.43E-08	6.07E-09
5031	494363.09, 3863	4.03E-05	1.27E-08	5.39E-09	4.93E-05	1.56E-08	6.60E-09	4.32E-05	1.36E-08	5.79E-09
5032	494863.09, 3863	3.87E-05	1.22E-08	5.18E-09	4.74E-05	1.50E-08	6.34E-09	4.15E-05	1.31E-08	5.56E-09
5033	495363.09, 3863	3.79E-05	1.20E-08	5.07E-09	4.64E-05	1.46E-08	6.21E-09	4.07E-05	1.28E-08	5.45E-09
5034	495863.09, 3863	3.75E-05	1.19E-08	5.03E-09	4.60E-05	1.45E-08	6.16E-09	4.03E-05	1.27E-08	5.40E-09
5035	496363.09, 3863	3.62E-05	1.14E-08	4.85E-09	4.43E-05	1.40E-08	5.94E-09	3.89E-05	1.23E-08	5.20E-09
5036	496863.09, 3863	3.57E-05	1.13E-08	4.78E-09	4.37E-05	1.38E-08	5.86E-09	3.83E-05	1.21E-08	5.13E-09
5037	497363.09, 3863	3.61E-05	1.14E-08	4.84E-09	4.43E-05	1.40E-08	5.93E-09	3.88E-05	1.22E-08	5.19E-09
5038	497863.09, 3863	3.68E-05	1.16E-08	4.92E-09	4.50E-05	1.42E-08	6.03E-09	3.95E-05	1.25E-08	5.29E-09
5039	498363.09, 3863	3.72E-05	1.17E-08	4.98E-09	4.56E-05	1.44E-08	6.10E-09	3.99E-05	1.26E-08	5.35E-09
5040	471363.09, 3863	1.68E-05	5.31E-09	2.25E-09	2.06E-05	6.50E-09	2.76E-09	1.81E-05	5.70E-09	2.42E-09
5041	471863.09, 3863	1.74E-05	5.49E-09	2.33E-09	2.13E-05	6.72E-09	2.85E-09	1.87E-05	5.90E-09	2.50E-09
5042	472363.09, 3863	1.79E-05	5.65E-09	2.40E-09	2.19E-05	6.92E-09	2.94E-09	1.92E-05	6.07E-09	2.57E-09

5043	472863.09, 3863	1.84E-05	5.82E-09	2.47E-09	2.26E-05	7.13E-09	3.02E-09	1.98E-05	6.25E-09	2.65E-09
5044	473363.09, 3863	1.90E-05	5.98E-09	2.54E-09	2.32E-05	7.33E-09	3.11E-09	2.04E-05	6.42E-09	2.73E-09
5045	473863.09, 3863	1.95E-05	6.17E-09	2.62E-09	2.39E-05	7.56E-09	3.21E-09	2.10E-05	6.62E-09	2.81E-09
5046	474363.09, 3863	2.01E-05	6.34E-09	2.69E-09	2.46E-05	7.76E-09	3.29E-09	2.16E-05	6.80E-09	2.89E-09
5047	474863.09, 3863	2.06E-05	6.50E-09	2.76E-09	2.52E-05	7.96E-09	3.38E-09	2.21E-05	6.98E-09	2.96E-09
5048	475363.09, 3863	2.12E-05	6.71E-09	2.85E-09	2.60E-05	8.21E-09	3.49E-09	2.28E-05	7.20E-09	3.06E-09
5049	475863.09, 3863	2.19E-05	6.91E-09	2.93E-09	2.68E-05	8.47E-09	3.59E-09	2.35E-05	7.43E-09	3.15E-09
5050	476363.09, 3863	2.28E-05	7.19E-09	3.05E-09	2.79E-05	8.80E-09	3.73E-09	2.45E-05	7.72E-09	3.28E-09
5051	476863.09, 3863	2.37E-05	7.48E-09	3.17E-09	2.90E-05	9.16E-09	3.89E-09	2.55E-05	8.03E-09	3.41E-09
5052	477363.09, 3863	2.47E-05	7.81E-09	3.31E-09	3.03E-05	9.57E-09	4.06E-09	2.66E-05	8.39E-09	3.56E-09
5053	477863.09, 3863	2.59E-05	8.19E-09	3.47E-09	3.18E-05	1.00E-08	4.26E-09	2.79E-05	8.80E-09	3.73E-09
5054	478363.09, 3863	2.70E-05	8.52E-09	3.61E-09	3.31E-05	1.04E-08	4.43E-09	2.90E-05	9.15E-09	3.88E-09
5055	478863.09, 3863	2.83E-05	8.92E-09	3.78E-09	3.46E-05	1.09E-08	4.64E-09	3.04E-05	9.58E-09	4.07E-09
5056	479363.09, 3863	2.92E-05	9.22E-09	3.91E-09	3.58E-05	1.13E-08	4.79E-09	3.14E-05	9.90E-09	4.20E-09
5057	479863.09, 3863	3.02E-05	9.53E-09	4.04E-09	3.70E-05	1.17E-08	4.95E-09	3.24E-05	1.02E-08	4.34E-09
5058	480363.09, 3863	3.11E-05	9.83E-09	4.17E-09	3.81E-05	1.20E-08	5.11E-09	3.35E-05	1.06E-08	4.48E-09
5059	480863.09, 3863	3.22E-05	1.02E-08	4.31E-09	3.94E-05	1.24E-08	5.28E-09	3.46E-05	1.09E-08	4.63E-09
5060	481363.09, 3863	3.32E-05	1.05E-08	4.44E-09	4.06E-05	1.28E-08	5.44E-09	3.57E-05	1.13E-08	4.77E-09
5061	481863.09, 3863	3.43E-05	1.08E-08	4.60E-09	4.20E-05	1.33E-08	5.63E-09	3.69E-05	1.16E-08	4.94E-09
5062	482363.09, 3863	3.54E-05	1.12E-08	4.75E-09	4.34E-05	1.37E-08	5.81E-09	3.81E-05	1.20E-08	5.10E-09
5063	482863.09, 3863	3.61E-05	1.14E-08	4.83E-09	4.42E-05	1.40E-08	5.92E-09	3.88E-05	1.22E-08	5.19E-09
5064	483363.09, 3863	3.67E-05	1.16E-08	4.91E-09	4.49E-05	1.42E-08	6.02E-09	3.94E-05	1.24E-08	5.28E-09
5065	483863.09, 3863	3.72E-05	1.17E-08	4.98E-09	4.56E-05	1.44E-08	6.10E-09	4.00E-05	1.26E-08	5.35E-09
5066	484363.09, 3863	3.72E-05	1.17E-08	4.98E-09	4.56E-05	1.44E-08	6.10E-09	4.00E-05	1.26E-08	5.35E-09
5067	484863.09, 3863	3.71E-05	1.17E-08	4.97E-09	4.54E-05	1.43E-08	6.08E-09	3.99E-05	1.26E-08	5.34E-09
5068	485363.09, 3863	3.69E-05	1.16E-08	4.94E-09	4.52E-05	1.43E-08	6.05E-09	3.96E-05	1.25E-08	5.30E-09
5069	485863.09, 3863	3.67E-05	1.16E-08	4.92E-09	4.50E-05	1.42E-08	6.03E-09	3.95E-05	1.25E-08	5.28E-09
5070	486363.09, 3863	3.62E-05	1.14E-08	4.85E-09	4.44E-05	1.40E-08	5.94E-09	3.89E-05	1.23E-08	5.21E-09
5071	486863.09, 3863	3.60E-05	1.14E-08	4.82E-09	4.41E-05	1.39E-08	5.90E-09	3.86E-05	1.22E-08	5.18E-09
5072	487363.09, 3863	3.57E-05	1.13E-08	4.78E-09	4.37E-05	1.38E-08	5.85E-09	3.84E-05	1.21E-08	5.14E-09
5073	487863.09, 3863	3.54E-05	1.12E-08	4.74E-09	4.33E-05	1.37E-08	5.80E-09	3.80E-05	1.20E-08	5.09E-09
5074	488363.09, 3863	3.53E-05	1.11E-08	4.73E-09	4.32E-05	1.36E-08	5.79E-09	3.79E-05	1.20E-08	5.08E-09
5075	488863.09, 3863	3.51E-05	1.11E-08	4.70E-09	4.30E-05	1.36E-08	5.76E-09	3.77E-05	1.19E-08	5.05E-09
5076	489363.09, 3863	3.47E-05	1.10E-08	4.65E-09	4.25E-05	1.34E-08	5.70E-09	3.73E-05	1.18E-08	5.00E-09
5077	489863.09, 3863	3.45E-05	1.09E-08	4.62E-09	4.23E-05	1.33E-08	5.66E-09	3.71E-05	1.17E-08	4.97E-09
5078	490363.09, 3863	3.45E-05	1.09E-08	4.62E-09	4.23E-05	1.33E-08	5.66E-09	3.71E-05	1.17E-08	4.97E-09
5079	490863.09, 3863	3.48E-05	1.10E-08	4.66E-09	4.27E-05	1.35E-08	5.71E-09	3.74E-05	1.18E-08	5.01E-09
5080	491363.09, 3863	3.52E-05	1.11E-08	4.71E-09	4.31E-05	1.36E-08	5.77E-09	3.78E-05	1.19E-08	5.06E-09
5081	491863.09, 3863	3.65E-05	1.15E-08	4.88E-09	4.46E-05	1.41E-08	5.98E-09	3.92E-05	1.24E-08	5.24E-09
5082	492363.09, 3863	3.74E-05	1.18E-08	5.01E-09	4.58E-05	1.45E-08	6.13E-09	4.02E-05	1.27E-08	5.38E-09
5083	492863.09, 3863	3.75E-05	1.18E-08	5.02E-09	4.59E-05	1.45E-08	6.14E-09	4.02E-05	1.27E-08	5.39E-09
5084	493363.09, 3863	3.75E-05	1.18E-08	5.03E-09	4.60E-05	1.45E-08	6.15E-09	4.03E-05	1.27E-08	5.40E-09
5085	493863.09, 3863	3.84E-05	1.21E-08	5.15E-09	4.71E-05	1.49E-08	6.30E-09	4.13E-05	1.30E-08	5.52E-09
5086	494363.09, 3863	3.82E-05	1.20E-08	5.11E-09	4.67E-05	1.48E-08	6.26E-09	4.10E-05	1.29E-08	5.49E-09
5087	494863.09, 3863	3.67E-05	1.16E-08	4.92E-09	4.50E-05	1.42E-08	6.03E-09	3.94E-05	1.25E-08	5.28E-09
5088	495363.09, 3863	3.52E-05	1.11E-08	4.71E-09	4.31E-05	1.36E-08	5.77E-09	3.77E-05	1.19E-08	5.05E-09
5089	495863.09, 3863	3.41E-05	1.08E-08	4.57E-09	4.18E-05	1.32E-08	5.59E-09	3.66E-05	1.16E-08	4.90E-09
5090	496363.09, 3863	3.31E-05	1.05E-08	4.44E-09	4.06E-05	1.28E-08	5.43E-09	3.56E-05	1.12E-08	4.76E-09
5091	496863.09, 3863	3.25E-05	1.02E-08	4.35E-09	3.98E-05	1.25E-08	5.32E-09	3.49E-05	1.10E-08	4.67E-09
5092	497363.09, 3863	3.22E-05	1.01E-08	4.31E-09	3.94E-05	1.24E-08	5.27E-09	3.45E-05	1.09E-08	4.62E-09
5093	497863.09, 3863	3.23E-05	1.02E-08	4.32E-09	3.95E-05	1.25E-08	5.29E-09	3.47E-05	1.09E-08	4.64E-09
5094	498363.09, 3863	3.25E-05	1.03E-08	4.35E-09	3.98E-05	1.26E-08	5.33E-09	3.49E-05	1.10E-08	4.67E-09
5095	471363.09, 3864	1.61E-05	5.09E-09	2.16E-09	1.98E-05	6.23E-09	2.65E-09	1.73E-05	5.47E-09	2.32E-09
5096	471863.09, 3864	1.66E-05	5.23E-09	2.22E-09	2.03E-05	6.41E-09	2.72E-09	1.78E-05	5.62E-09	2.39E-09
5097	472363.09, 3864	1.70E-05	5.38E-09	2.28E-09	2.09E-05	6.59E-09	2.80E-09	1.83E-05	5.78E-09	2.45E-09
5098	472863.09, 3864	1.75E-05	5.52E-09	2.34E-09	2.14E-05	6.76E-09	2.87E-09	1.88E-05	5.93E-09	2.52E-09
5099	473363.09, 3864	1.79E-05	5.66E-09	2.40E-09	2.19E-05	6.93E-09	2.94E-09	1.92E-05	6.07E-09	2.58E-09
5100	473863.09, 3864	1.83E-05	5.79E-09	2.46E-09	2.25E-05	7.09E-09	3.01E-09	1.97E-05	6.21E-09	2.64E-09

5101	474363.09, 3864	1.88E-05	5.94E-09	2.52E-09	2.30E-05	7.27E-09	3.09E-09	2.02E-05	6.38E-09	2.71E-09
5102	474863.09, 3864	1.93E-05	6.09E-09	2.58E-09	2.36E-05	7.45E-09	3.16E-09	2.07E-05	6.54E-09	2.77E-09
5103	475363.09, 3864	1.99E-05	6.28E-09	2.67E-09	2.44E-05	7.70E-09	3.27E-09	2.14E-05	6.75E-09	2.86E-09
5104	475863.09, 3864	2.06E-05	6.51E-09	2.76E-09	2.52E-05	7.97E-09	3.38E-09	2.21E-05	6.99E-09	2.97E-09
5105	476363.09, 3864	2.15E-05	6.78E-09	2.87E-09	2.63E-05	8.30E-09	3.52E-09	2.31E-05	7.28E-09	3.09E-09
5106	476863.09, 3864	2.24E-05	7.06E-09	3.00E-09	2.74E-05	8.65E-09	3.67E-09	2.40E-05	7.59E-09	3.22E-09
5107	477363.09, 3864	2.32E-05	7.32E-09	3.11E-09	2.84E-05	8.97E-09	3.81E-09	2.49E-05	7.87E-09	3.34E-09
5108	477863.09, 3864	2.41E-05	7.61E-09	3.23E-09	2.95E-05	9.32E-09	3.95E-09	2.59E-05	8.17E-09	3.47E-09
5109	478363.09, 3864	2.51E-05	7.91E-09	3.36E-09	3.07E-05	9.69E-09	4.11E-09	2.69E-05	8.50E-09	3.61E-09
5110	478863.09, 3864	2.61E-05	8.22E-09	3.49E-09	3.19E-05	1.01E-08	4.27E-09	2.80E-05	8.83E-09	3.75E-09
5111	479363.09, 3864	2.69E-05	8.50E-09	3.61E-09	3.30E-05	1.04E-08	4.42E-09	2.89E-05	9.13E-09	3.88E-09
5112	479863.09, 3864	2.79E-05	8.82E-09	3.74E-09	3.42E-05	1.08E-08	4.58E-09	3.00E-05	9.48E-09	4.02E-09
5113	480363.09, 3864	2.89E-05	9.13E-09	3.87E-09	3.54E-05	1.12E-08	4.74E-09	3.11E-05	9.81E-09	4.16E-09
5114	480863.09, 3864	2.96E-05	9.34E-09	3.96E-09	3.62E-05	1.14E-08	4.85E-09	3.18E-05	1.00E-08	4.26E-09
5115	481363.09, 3864	3.04E-05	9.60E-09	4.07E-09	3.73E-05	1.18E-08	4.99E-09	3.27E-05	1.03E-08	4.38E-09
5116	481863.09, 3864	3.14E-05	9.91E-09	4.20E-09	3.85E-05	1.21E-08	5.15E-09	3.37E-05	1.06E-08	4.52E-09
5117	482363.09, 3864	3.22E-05	1.02E-08	4.31E-09	3.94E-05	1.24E-08	5.28E-09	3.46E-05	1.09E-08	4.63E-09
5118	482863.09, 3864	3.27E-05	1.03E-08	4.38E-09	4.01E-05	1.27E-08	5.37E-09	3.52E-05	1.11E-08	4.71E-09
5119	483363.09, 3864	3.31E-05	1.05E-08	4.44E-09	4.06E-05	1.28E-08	5.44E-09	3.56E-05	1.12E-08	4.77E-09
5120	483863.09, 3864	3.34E-05	1.05E-08	4.47E-09	4.09E-05	1.29E-08	5.48E-09	3.59E-05	1.13E-08	4.81E-09
5121	484363.09, 3864	3.35E-05	1.06E-08	4.48E-09	4.10E-05	1.29E-08	5.49E-09	3.60E-05	1.13E-08	4.81E-09
5122	484863.09, 3864	3.33E-05	1.05E-08	4.45E-09	4.07E-05	1.29E-08	5.45E-09	3.57E-05	1.13E-08	4.79E-09
5123	485363.09, 3864	3.31E-05	1.04E-08	4.43E-09	4.05E-05	1.28E-08	5.43E-09	3.56E-05	1.12E-08	4.76E-09
5124	485863.09, 3864	3.28E-05	1.04E-08	4.40E-09	4.02E-05	1.27E-08	5.39E-09	3.53E-05	1.11E-08	4.73E-09
5125	486363.09, 3864	3.25E-05	1.03E-08	4.36E-09	3.98E-05	1.26E-08	5.33E-09	3.49E-05	1.10E-08	4.68E-09
5126	486863.09, 3864	3.24E-05	1.02E-08	4.33E-09	3.96E-05	1.25E-08	5.31E-09	3.48E-05	1.10E-08	4.65E-09
5127	487363.09, 3864	3.22E-05	1.02E-08	4.31E-09	3.94E-05	1.24E-08	5.28E-09	3.46E-05	1.09E-08	4.63E-09
5128	487863.09, 3864	3.19E-05	1.01E-08	4.27E-09	3.91E-05	1.23E-08	5.23E-09	3.43E-05	1.08E-08	4.59E-09
5129	488363.09, 3864	3.18E-05	1.00E-08	4.26E-09	3.89E-05	1.23E-08	5.21E-09	3.42E-05	1.08E-08	4.57E-09
5130	488863.09, 3864	3.17E-05	1.00E-08	4.25E-09	3.89E-05	1.23E-08	5.20E-09	3.41E-05	1.08E-08	4.56E-09
5131	489363.09, 3864	3.14E-05	9.92E-09	4.21E-09	3.85E-05	1.21E-08	5.15E-09	3.37E-05	1.06E-08	4.52E-09
5132	489863.09, 3864	3.12E-05	9.84E-09	4.17E-09	3.82E-05	1.21E-08	5.11E-09	3.35E-05	1.06E-08	4.48E-09
5133	490363.09, 3864	3.11E-05	9.81E-09	4.16E-09	3.81E-05	1.20E-08	5.10E-09	3.34E-05	1.05E-08	4.47E-09
5134	490863.09, 3864	3.14E-05	9.92E-09	4.21E-09	3.85E-05	1.21E-08	5.15E-09	3.38E-05	1.07E-08	4.52E-09
5135	491363.09, 3864	3.30E-05	1.04E-08	4.42E-09	4.04E-05	1.28E-08	5.41E-09	3.54E-05	1.12E-08	4.74E-09
5136	491863.09, 3864	2.38E-05	7.52E-09	3.19E-09	2.92E-05	9.22E-09	3.91E-09	2.56E-05	8.08E-09	3.43E-09
5137	492363.09, 3864	3.27E-05	1.03E-08	4.37E-09	4.00E-05	1.26E-08	5.36E-09	3.51E-05	1.11E-08	4.70E-09
5138	492863.09, 3864	2.79E-05	8.79E-09	3.73E-09	3.41E-05	1.08E-08	4.57E-09	2.99E-05	9.44E-09	4.01E-09
5139	493363.09, 3864	3.15E-05	9.93E-09	4.21E-09	3.85E-05	1.22E-08	5.16E-09	3.38E-05	1.07E-08	4.52E-09
5140	493863.09, 3864	3.33E-05	1.05E-08	4.46E-09	4.07E-05	1.29E-08	5.46E-09	3.57E-05	1.13E-08	4.78E-09
5141	494363.09, 3864	3.46E-05	1.09E-08	4.63E-09	4.23E-05	1.34E-08	5.67E-09	3.71E-05	1.17E-08	4.97E-09
5142	494863.09, 3864	3.44E-05	1.09E-08	4.61E-09	4.22E-05	1.33E-08	5.65E-09	3.70E-05	1.17E-08	4.95E-09
5143	495363.09, 3864	3.33E-05	1.05E-08	4.46E-09	4.07E-05	1.29E-08	5.46E-09	3.57E-05	1.13E-08	4.78E-09
5144	495863.09, 3864	3.19E-05	1.01E-08	4.27E-09	3.90E-05	1.23E-08	5.23E-09	3.42E-05	1.08E-08	4.58E-09
5145	496363.09, 3864	3.07E-05	9.69E-09	4.11E-09	3.76E-05	1.19E-08	5.04E-09	3.30E-05	1.04E-08	4.42E-09
5146	496863.09, 3864	3.00E-05	9.47E-09	4.02E-09	3.68E-05	1.16E-08	4.92E-09	3.22E-05	1.02E-08	4.31E-09
5147	497363.09, 3864	2.94E-05	9.29E-09	3.94E-09	3.61E-05	1.14E-08	4.83E-09	3.16E-05	9.98E-09	4.23E-09
5148	497863.09, 3864	2.95E-05	9.31E-09	3.95E-09	3.61E-05	1.14E-08	4.84E-09	3.17E-05	9.99E-09	4.24E-09
5149	498363.09, 3864	2.91E-05	9.18E-09	3.89E-09	3.56E-05	1.12E-08	4.77E-09	3.12E-05	9.85E-09	4.18E-09
5150	471363.09, 3864	1.54E-05	4.85E-09	2.06E-09	1.88E-05	5.94E-09	2.52E-09	1.65E-05	5.21E-09	2.21E-09
5151	471863.09, 3864	1.58E-05	4.97E-09	2.11E-09	1.93E-05	6.09E-09	2.59E-09	1.69E-05	5.34E-09	2.27E-09
5152	472363.09, 3864	1.61E-05	5.10E-09	2.16E-09	1.98E-05	6.24E-09	2.65E-09	1.73E-05	5.47E-09	2.32E-09
5153	472863.09, 3864	1.65E-05	5.21E-09	2.21E-09	2.02E-05	6.38E-09	2.71E-09	1.77E-05	5.59E-09	2.37E-09
5154	473363.09, 3864	1.68E-05	5.31E-09	2.25E-09	2.06E-05	6.51E-09	2.76E-09	1.81E-05	5.71E-09	2.42E-09
5155	473863.09, 3864	1.72E-05	5.43E-09	2.30E-09	2.11E-05	6.65E-09	2.82E-09	1.85E-05	5.83E-09	2.47E-09
5156	474363.09, 3864	1.76E-05	5.57E-09	2.36E-09	2.16E-05	6.82E-09	2.89E-09	1.90E-05	5.98E-09	2.54E-09
5157	474863.09, 3864	1.82E-05	5.73E-09	2.43E-09	2.22E-05	7.02E-09	2.98E-09	1.95E-05	6.16E-09	2.61E-09
5158	475363.09, 3864	1.88E-05	5.93E-09	2.51E-09	2.30E-05	7.26E-09	3.08E-09	2.02E-05	6.37E-09	2.70E-09

5159	475863.09, 3864	1.95E-05	6.14E-09	2.61E-09	2.38E-05	7.53E-09	3.19E-09	2.09E-05	6.60E-09	2.80E-09
5160	476363.09, 3864	2.02E-05	6.39E-09	2.71E-09	2.48E-05	7.83E-09	3.32E-09	2.17E-05	6.86E-09	2.91E-09
5161	476863.09, 3864	2.11E-05	6.66E-09	2.83E-09	2.59E-05	8.16E-09	3.46E-09	2.27E-05	7.16E-09	3.04E-09
5162	477363.09, 3864	2.18E-05	6.88E-09	2.92E-09	2.67E-05	8.43E-09	3.58E-09	2.34E-05	7.39E-09	3.14E-09
5163	477863.09, 3864	2.26E-05	7.13E-09	3.03E-09	2.77E-05	8.74E-09	3.71E-09	2.43E-05	7.66E-09	3.25E-09
5164	478363.09, 3864	2.34E-05	7.39E-09	3.14E-09	2.87E-05	9.05E-09	3.84E-09	2.52E-05	7.94E-09	3.37E-09
5165	478863.09, 3864	2.42E-05	7.65E-09	3.25E-09	2.97E-05	9.37E-09	3.98E-09	2.60E-05	8.22E-09	3.49E-09
5166	479363.09, 3864	2.51E-05	7.92E-09	3.36E-09	3.07E-05	9.70E-09	4.12E-09	2.70E-05	8.51E-09	3.61E-09
5167	479863.09, 3864	2.59E-05	8.18E-09	3.47E-09	3.17E-05	1.00E-08	4.25E-09	2.78E-05	8.79E-09	3.73E-09
5168	480363.09, 3864	2.67E-05	8.44E-09	3.58E-09	3.27E-05	1.03E-08	4.38E-09	2.87E-05	9.06E-09	3.85E-09
5169	480863.09, 3864	2.73E-05	8.62E-09	3.66E-09	3.35E-05	1.06E-08	4.48E-09	2.93E-05	9.26E-09	3.93E-09
5170	481363.09, 3864	2.80E-05	8.85E-09	3.75E-09	3.43E-05	1.08E-08	4.60E-09	3.01E-05	9.50E-09	4.03E-09
5171	481863.09, 3864	2.87E-05	9.06E-09	3.84E-09	3.51E-05	1.11E-08	4.71E-09	3.08E-05	9.73E-09	4.13E-09
5172	482363.09, 3864	2.93E-05	9.26E-09	3.93E-09	3.59E-05	1.13E-08	4.81E-09	3.15E-05	9.95E-09	4.22E-09
5173	482863.09, 3864	2.98E-05	9.41E-09	3.99E-09	3.65E-05	1.15E-08	4.89E-09	3.20E-05	1.01E-08	4.29E-09
5174	483363.09, 3864	3.01E-05	9.51E-09	4.04E-09	3.69E-05	1.17E-08	4.94E-09	3.24E-05	1.02E-08	4.34E-09
5175	483863.09, 3864	3.02E-05	9.53E-09	4.04E-09	3.70E-05	1.17E-08	4.95E-09	3.24E-05	1.02E-08	4.35E-09
5176	484363.09, 3864	3.03E-05	9.55E-09	4.05E-09	3.71E-05	1.17E-08	4.96E-09	3.25E-05	1.03E-08	4.35E-09
5177	484863.09, 3864	3.02E-05	9.53E-09	4.04E-09	3.70E-05	1.17E-08	4.95E-09	3.24E-05	1.02E-08	4.34E-09
5178	485363.09, 3864	3.01E-05	9.49E-09	4.03E-09	3.68E-05	1.16E-08	4.93E-09	3.23E-05	1.02E-08	4.33E-09
5179	485863.09, 3864	2.97E-05	9.37E-09	3.97E-09	3.64E-05	1.15E-08	4.87E-09	3.19E-05	1.01E-08	4.27E-09
5180	486363.09, 3864	2.94E-05	9.28E-09	3.94E-09	3.60E-05	1.14E-08	4.82E-09	3.16E-05	9.97E-09	4.23E-09
5181	486863.09, 3864	2.93E-05	9.24E-09	3.92E-09	3.58E-05	1.13E-08	4.80E-09	3.14E-05	9.92E-09	4.21E-09
5182	487363.09, 3864	2.91E-05	9.17E-09	3.89E-09	3.56E-05	1.12E-08	4.77E-09	3.12E-05	9.85E-09	4.18E-09
5183	487863.09, 3864	2.89E-05	9.12E-09	3.87E-09	3.54E-05	1.12E-08	4.74E-09	3.11E-05	9.80E-09	4.16E-09
5184	488363.09, 3864	2.89E-05	9.13E-09	3.87E-09	3.54E-05	1.12E-08	4.74E-09	3.11E-05	9.81E-09	4.16E-09
5185	488863.09, 3864	2.89E-05	9.12E-09	3.87E-09	3.54E-05	1.12E-08	4.74E-09	3.10E-05	9.79E-09	4.16E-09
5186	489363.09, 3864	2.87E-05	9.05E-09	3.84E-09	3.51E-05	1.11E-08	4.70E-09	3.08E-05	9.72E-09	4.12E-09
5187	489863.09, 3864	2.83E-05	8.94E-09	3.80E-09	3.47E-05	1.10E-08	4.65E-09	3.04E-05	9.61E-09	4.08E-09
5188	490363.09, 3864	2.82E-05	8.92E-09	3.78E-09	3.46E-05	1.09E-08	4.63E-09	3.03E-05	9.58E-09	4.06E-09
5189	490863.09, 3864	2.97E-05	9.37E-09	3.98E-09	3.64E-05	1.15E-08	4.87E-09	3.19E-05	1.01E-08	4.27E-09
5190	491363.09, 3864	2.98E-05	9.39E-09	3.98E-09	3.64E-05	1.15E-08	4.88E-09	3.20E-05	1.01E-08	4.28E-09
5191	491863.09, 3864	3.04E-05	9.58E-09	4.06E-09	3.72E-05	1.17E-08	4.98E-09	3.26E-05	1.03E-08	4.36E-09
5192	492363.09, 3864	1.48E-05	4.67E-09	1.98E-09	1.81E-05	5.72E-09	2.43E-09	1.59E-05	5.02E-09	2.13E-09
5193	492863.09, 3864	2.03E-05	6.39E-09	2.71E-09	2.48E-05	7.83E-09	3.32E-09	2.18E-05	6.87E-09	2.91E-09
5194	493363.09, 3864	1.93E-05	6.09E-09	2.58E-09	2.36E-05	7.45E-09	3.16E-09	2.07E-05	6.54E-09	2.77E-09
5195	493863.09, 3864	2.88E-05	9.08E-09	3.85E-09	3.53E-05	1.11E-08	4.72E-09	3.09E-05	9.75E-09	4.14E-09
5196	494363.09, 3864	3.02E-05	9.54E-09	4.05E-09	3.70E-05	1.17E-08	4.96E-09	3.25E-05	1.02E-08	4.35E-09
5197	494863.09, 3864	3.12E-05	9.85E-09	4.18E-09	3.82E-05	1.21E-08	5.12E-09	3.35E-05	1.06E-08	4.49E-09
5198	495363.09, 3864	3.12E-05	9.84E-09	4.18E-09	3.82E-05	1.21E-08	5.12E-09	3.35E-05	1.06E-08	4.48E-09
5199	495863.09, 3864	3.01E-05	9.50E-09	4.03E-09	3.69E-05	1.16E-08	4.94E-09	3.23E-05	1.02E-08	4.33E-09
5200	496363.09, 3864	2.91E-05	9.17E-09	3.89E-09	3.56E-05	1.12E-08	4.77E-09	3.12E-05	9.85E-09	4.18E-09
5201	496863.09, 3864	2.80E-05	8.85E-09	3.75E-09	3.43E-05	1.08E-08	4.60E-09	3.01E-05	9.50E-09	4.03E-09
5202	497363.09, 3864	2.73E-05	8.61E-09	3.65E-09	3.34E-05	1.05E-08	4.47E-09	2.93E-05	9.24E-09	3.92E-09
5203	497863.09, 3864	2.69E-05	8.50E-09	3.61E-09	3.30E-05	1.04E-08	4.42E-09	2.89E-05	9.13E-09	3.87E-09
5204	498363.09, 3864	2.66E-05	8.39E-09	3.56E-09	3.26E-05	1.03E-08	4.36E-09	2.85E-05	9.01E-09	3.82E-09
5205	471363.09, 3865	1.46E-05	4.60E-09	1.95E-09	1.79E-05	5.64E-09	2.39E-09	1.57E-05	4.94E-09	2.10E-09
5206	471863.09, 3865	1.49E-05	4.71E-09	2.00E-09	1.83E-05	5.77E-09	2.45E-09	1.60E-05	5.05E-09	2.14E-09
5207	472363.09, 3865	1.52E-05	4.81E-09	2.04E-09	1.87E-05	5.89E-09	2.50E-09	1.64E-05	5.16E-09	2.19E-09
5208	472863.09, 3865	1.56E-05	4.91E-09	2.08E-09	1.91E-05	6.02E-09	2.55E-09	1.67E-05	5.28E-09	2.24E-09
5209	473363.09, 3865	1.58E-05	5.00E-09	2.12E-09	1.94E-05	6.13E-09	2.60E-09	1.70E-05	5.37E-09	2.28E-09
5210	473863.09, 3865	1.62E-05	5.12E-09	2.17E-09	1.99E-05	6.27E-09	2.66E-09	1.74E-05	5.50E-09	2.33E-09
5211	474363.09, 3865	1.67E-05	5.26E-09	2.23E-09	2.04E-05	6.44E-09	2.73E-09	1.79E-05	5.65E-09	2.40E-09
5212	474863.09, 3865	1.72E-05	5.44E-09	2.31E-09	2.11E-05	6.66E-09	2.83E-09	1.85E-05	5.84E-09	2.48E-09
5213	475363.09, 3865	1.78E-05	5.62E-09	2.38E-09	2.18E-05	6.88E-09	2.92E-09	1.91E-05	6.04E-09	2.56E-09
5214	475863.09, 3865	1.85E-05	5.83E-09	2.48E-09	2.26E-05	7.15E-09	3.03E-09	1.99E-05	6.27E-09	2.66E-09
5215	476363.09, 3865	1.94E-05	6.13E-09	2.60E-09	2.38E-05	7.51E-09	3.19E-09	2.09E-05	6.59E-09	2.79E-09
5216	476863.09, 3865	2.01E-05	6.35E-09	2.70E-09	2.47E-05	7.78E-09	3.30E-09	2.16E-05	6.82E-09	2.90E-09

5217	477363.09, 3865	2.08E-05	6.56E-09	2.78E-09	2.54E-05	8.03E-09	3.41E-09	2.23E-05	7.04E-09	2.99E-09
5218	477863.09, 3865	2.13E-05	6.72E-09	2.85E-09	2.61E-05	8.23E-09	3.49E-09	2.29E-05	7.22E-09	3.06E-09
5219	478363.09, 3865	2.21E-05	6.96E-09	2.95E-09	2.70E-05	8.53E-09	3.62E-09	2.37E-05	7.48E-09	3.17E-09
5220	478863.09, 3865	2.27E-05	7.18E-09	3.04E-09	2.78E-05	8.79E-09	3.73E-09	2.44E-05	7.71E-09	3.27E-09
5221	479363.09, 3865	2.35E-05	7.40E-09	3.14E-09	2.87E-05	9.07E-09	3.85E-09	2.52E-05	7.95E-09	3.37E-09
5222	479863.09, 3865	2.42E-05	7.64E-09	3.24E-09	2.97E-05	9.36E-09	3.97E-09	2.60E-05	8.21E-09	3.48E-09
5223	480363.09, 3865	2.47E-05	7.80E-09	3.31E-09	3.03E-05	9.55E-09	4.05E-09	2.65E-05	8.38E-09	3.55E-09
5224	480863.09, 3865	2.52E-05	7.95E-09	3.37E-09	3.09E-05	9.74E-09	4.13E-09	2.71E-05	8.54E-09	3.63E-09
5225	481363.09, 3865	2.58E-05	8.15E-09	3.46E-09	3.16E-05	9.98E-09	4.24E-09	2.77E-05	8.76E-09	3.72E-09
5226	481863.09, 3865	2.64E-05	8.34E-09	3.54E-09	3.23E-05	1.02E-08	4.33E-09	2.84E-05	8.95E-09	3.80E-09
5227	482363.09, 3865	2.69E-05	8.49E-09	3.60E-09	3.30E-05	1.04E-08	4.41E-09	2.89E-05	9.12E-09	3.87E-09
5228	482863.09, 3865	2.72E-05	8.60E-09	3.65E-09	3.34E-05	1.05E-08	4.47E-09	2.93E-05	9.24E-09	3.92E-09
5229	483363.09, 3865	2.74E-05	8.66E-09	3.68E-09	3.36E-05	1.06E-08	4.50E-09	2.95E-05	9.31E-09	3.95E-09
5230	483863.09, 3865	2.75E-05	8.68E-09	3.68E-09	3.37E-05	1.06E-08	4.51E-09	2.96E-05	9.33E-09	3.96E-09
5231	484363.09, 3865	2.76E-05	8.72E-09	3.70E-09	3.38E-05	1.07E-08	4.53E-09	2.97E-05	9.37E-09	3.97E-09
5232	484863.09, 3865	2.76E-05	8.72E-09	3.70E-09	3.38E-05	1.07E-08	4.53E-09	2.97E-05	9.36E-09	3.97E-09
5233	485363.09, 3865	2.74E-05	8.65E-09	3.67E-09	3.36E-05	1.06E-08	4.49E-09	2.94E-05	9.29E-09	3.94E-09
5234	485863.09, 3865	2.70E-05	8.53E-09	3.62E-09	3.31E-05	1.04E-08	4.43E-09	2.90E-05	9.16E-09	3.89E-09
5235	486363.09, 3865	2.68E-05	8.47E-09	3.59E-09	3.29E-05	1.04E-08	4.40E-09	2.88E-05	9.10E-09	3.86E-09
5236	486863.09, 3865	2.67E-05	8.42E-09	3.57E-09	3.27E-05	1.03E-08	4.38E-09	2.87E-05	9.05E-09	3.84E-09
5237	487363.09, 3865	2.65E-05	8.36E-09	3.55E-09	3.24E-05	1.02E-08	4.35E-09	2.85E-05	8.98E-09	3.81E-09
5238	487863.09, 3865	2.64E-05	8.32E-09	3.53E-09	3.23E-05	1.02E-08	4.33E-09	2.83E-05	8.95E-09	3.80E-09
5239	488363.09, 3865	2.65E-05	8.35E-09	3.54E-09	3.24E-05	1.02E-08	4.34E-09	2.84E-05	8.98E-09	3.81E-09
5240	488863.09, 3865	2.65E-05	8.36E-09	3.55E-09	3.24E-05	1.02E-08	4.34E-09	2.85E-05	8.98E-09	3.81E-09
5241	489363.09, 3865	2.64E-05	8.33E-09	3.54E-09	3.23E-05	1.02E-08	4.33E-09	2.84E-05	8.95E-09	3.80E-09
5242	489863.09, 3865	2.63E-05	8.30E-09	3.52E-09	3.22E-05	1.02E-08	4.31E-09	2.83E-05	8.92E-09	3.78E-09
5243	490363.09, 3865	2.70E-05	8.52E-09	3.62E-09	3.31E-05	1.04E-08	4.43E-09	2.90E-05	9.15E-09	3.88E-09
5244	490863.09, 3865	2.69E-05	8.50E-09	3.60E-09	3.30E-05	1.04E-08	4.41E-09	2.89E-05	9.13E-09	3.87E-09
5245	491363.09, 3865	2.70E-05	8.53E-09	3.62E-09	3.31E-05	1.04E-08	4.43E-09	2.90E-05	9.16E-09	3.89E-09
5246	491863.09, 3865	2.74E-05	8.64E-09	3.67E-09	3.35E-05	1.06E-08	4.49E-09	2.94E-05	9.28E-09	3.94E-09
5247	492363.09, 3865	2.55E-05	8.05E-09	3.41E-09	3.12E-05	9.86E-09	4.18E-09	2.74E-05	8.64E-09	3.67E-09
5248	492863.09, 3865	2.17E-05	6.83E-09	2.90E-09	2.65E-05	8.37E-09	3.55E-09	2.33E-05	7.34E-09	3.11E-09
5249	493363.09, 3865	1.80E-05	5.68E-09	2.41E-09	2.20E-05	6.96E-09	2.95E-09	1.93E-05	6.10E-09	2.59E-09
5250	493863.09, 3865	2.43E-05	7.67E-09	3.26E-09	2.98E-05	9.40E-09	3.99E-09	2.61E-05	8.24E-09	3.50E-09
5251	494363.09, 3865	2.64E-05	8.32E-09	3.53E-09	3.23E-05	1.02E-08	4.32E-09	2.83E-05	8.94E-09	3.79E-09
5252	494863.09, 3865	2.74E-05	8.65E-09	3.67E-09	3.36E-05	1.06E-08	4.50E-09	2.94E-05	9.29E-09	3.94E-09
5253	495363.09, 3865	2.84E-05	8.96E-09	3.80E-09	3.48E-05	1.10E-08	4.65E-09	3.05E-05	9.62E-09	4.08E-09
5254	495863.09, 3865	2.84E-05	8.95E-09	3.80E-09	3.47E-05	1.10E-08	4.65E-09	3.05E-05	9.61E-09	4.08E-09
5255	496363.09, 3865	2.78E-05	8.77E-09	3.72E-09	3.41E-05	1.07E-08	4.56E-09	2.99E-05	9.42E-09	4.00E-09
5256	496863.09, 3865	2.67E-05	8.43E-09	3.58E-09	3.27E-05	1.03E-08	4.38E-09	2.87E-05	9.05E-09	3.84E-09
5257	497363.09, 3865	2.57E-05	8.11E-09	3.44E-09	3.15E-05	9.94E-09	4.22E-09	2.76E-05	8.71E-09	3.70E-09
5258	497863.09, 3865	2.50E-05	7.89E-09	3.35E-09	3.06E-05	9.67E-09	4.10E-09	2.69E-05	8.48E-09	3.60E-09
5259	498363.09, 3865	2.48E-05	7.81E-09	3.32E-09	3.03E-05	9.57E-09	4.06E-09	2.66E-05	8.39E-09	3.56E-09
5260	471363.09, 3865	1.38E-05	4.37E-09	1.85E-09	1.69E-05	5.35E-09	2.27E-09	1.49E-05	4.69E-09	1.99E-09
5261	471863.09, 3865	1.41E-05	4.45E-09	1.89E-09	1.73E-05	5.45E-09	2.31E-09	1.51E-05	4.78E-09	2.03E-09
5262	472363.09, 3865	1.44E-05	4.56E-09	1.93E-09	1.77E-05	5.58E-09	2.37E-09	1.55E-05	4.90E-09	2.08E-09
5263	472863.09, 3865	1.47E-05	4.62E-09	1.96E-09	1.79E-05	5.66E-09	2.40E-09	1.57E-05	4.97E-09	2.11E-09
5264	473363.09, 3865	1.50E-05	4.72E-09	2.00E-09	1.83E-05	5.79E-09	2.46E-09	1.61E-05	5.08E-09	2.15E-09
5265	473863.09, 3865	1.54E-05	4.86E-09	2.06E-09	1.88E-05	5.95E-09	2.52E-09	1.65E-05	5.22E-09	2.21E-09
5266	474363.09, 3865	1.59E-05	5.00E-09	2.12E-09	1.94E-05	6.13E-09	2.60E-09	1.70E-05	5.38E-09	2.28E-09
5267	474863.09, 3865	1.64E-05	5.19E-09	2.20E-09	2.01E-05	6.35E-09	2.70E-09	1.77E-05	5.57E-09	2.36E-09
5268	475363.09, 3865	1.70E-05	5.36E-09	2.28E-09	2.08E-05	6.57E-09	2.79E-09	1.83E-05	5.76E-09	2.44E-09
5269	475863.09, 3865	1.76E-05	5.55E-09	2.36E-09	2.16E-05	6.80E-09	2.89E-09	1.89E-05	5.97E-09	2.53E-09
5270	476363.09, 3865	1.85E-05	5.84E-09	2.48E-09	2.27E-05	7.16E-09	3.04E-09	1.99E-05	6.28E-09	2.66E-09
5271	476863.09, 3865	1.91E-05	6.03E-09	2.56E-09	2.34E-05	7.38E-09	3.13E-09	2.05E-05	6.48E-09	2.75E-09
5272	477363.09, 3865	1.98E-05	6.26E-09	2.65E-09	2.43E-05	7.66E-09	3.25E-09	2.13E-05	6.72E-09	2.85E-09
5273	477863.09, 3865	2.02E-05	6.38E-09	2.71E-09	2.48E-05	7.82E-09	3.32E-09	2.17E-05	6.86E-09	2.91E-09
5274	478363.09, 3865	2.08E-05	6.57E-09	2.79E-09	2.55E-05	8.05E-09	3.42E-09	2.24E-05	7.06E-09	3.00E-09

5275	478863.09, 3865	2.15E-05	6.77E-09	2.87E-09	2.63E-05	8.30E-09	3.52E-09	2.31E-05	7.28E-09	3.09E-09
5276	479363.09, 3865	2.21E-05	6.97E-09	2.96E-09	2.70E-05	8.53E-09	3.62E-09	2.37E-05	7.48E-09	3.18E-09
5277	479863.09, 3865	2.26E-05	7.12E-09	3.02E-09	2.76E-05	8.72E-09	3.70E-09	2.42E-05	7.65E-09	3.24E-09
5278	480363.09, 3865	2.30E-05	7.25E-09	3.08E-09	2.81E-05	8.88E-09	3.77E-09	2.47E-05	7.79E-09	3.30E-09
5279	480863.09, 3865	2.34E-05	7.39E-09	3.14E-09	2.87E-05	9.06E-09	3.84E-09	2.52E-05	7.94E-09	3.37E-09
5280	481363.09, 3865	2.39E-05	7.55E-09	3.20E-09	2.93E-05	9.24E-09	3.92E-09	2.57E-05	8.11E-09	3.44E-09
5281	481863.09, 3865	2.44E-05	7.71E-09	3.27E-09	2.99E-05	9.44E-09	4.00E-09	2.62E-05	8.28E-09	3.51E-09
5282	482363.09, 3865	2.48E-05	7.82E-09	3.32E-09	3.03E-05	9.57E-09	4.06E-09	2.66E-05	8.40E-09	3.56E-09
5283	482863.09, 3865	2.50E-05	7.89E-09	3.35E-09	3.06E-05	9.66E-09	4.10E-09	2.68E-05	8.47E-09	3.60E-09
5284	483363.09, 3865	2.52E-05	7.94E-09	3.37E-09	3.08E-05	9.73E-09	4.13E-09	2.70E-05	8.53E-09	3.62E-09
5285	483863.09, 3865	2.53E-05	7.98E-09	3.39E-09	3.10E-05	9.78E-09	4.15E-09	2.72E-05	8.58E-09	3.64E-09
5286	484363.09, 3865	2.55E-05	8.03E-09	3.41E-09	3.12E-05	9.84E-09	4.17E-09	2.74E-05	8.63E-09	3.66E-09
5287	484863.09, 3865	2.54E-05	8.00E-09	3.39E-09	3.10E-05	9.80E-09	4.16E-09	2.72E-05	8.60E-09	3.65E-09
5288	485363.09, 3865	2.51E-05	7.91E-09	3.35E-09	3.07E-05	9.68E-09	4.11E-09	2.69E-05	8.50E-09	3.60E-09
5289	485863.09, 3865	2.47E-05	7.81E-09	3.31E-09	3.03E-05	9.56E-09	4.06E-09	2.66E-05	8.39E-09	3.56E-09
5290	486363.09, 3865	2.45E-05	7.75E-09	3.29E-09	3.01E-05	9.49E-09	4.03E-09	2.64E-05	8.32E-09	3.53E-09
5291	486863.09, 3865	2.44E-05	7.71E-09	3.27E-09	2.99E-05	9.44E-09	4.00E-09	2.62E-05	8.28E-09	3.51E-09
5292	487363.09, 3865	2.42E-05	7.65E-09	3.25E-09	2.97E-05	9.37E-09	3.98E-09	2.60E-05	8.22E-09	3.49E-09
5293	487863.09, 3865	2.43E-05	7.67E-09	3.25E-09	2.98E-05	9.39E-09	3.99E-09	2.61E-05	8.24E-09	3.50E-09
5294	488363.09, 3865	2.43E-05	7.68E-09	3.26E-09	2.98E-05	9.41E-09	3.99E-09	2.62E-05	8.25E-09	3.50E-09
5295	488863.09, 3865	2.45E-05	7.73E-09	3.28E-09	3.00E-05	9.46E-09	4.01E-09	2.63E-05	8.30E-09	3.52E-09
5296	489363.09, 3865	2.45E-05	7.74E-09	3.28E-09	3.00E-05	9.48E-09	4.02E-09	2.63E-05	8.32E-09	3.53E-09
5297	489863.09, 3865	2.44E-05	7.70E-09	3.27E-09	2.99E-05	9.43E-09	4.00E-09	2.62E-05	8.27E-09	3.51E-09
5298	490363.09, 3865	2.45E-05	7.74E-09	3.29E-09	3.01E-05	9.48E-09	4.02E-09	2.64E-05	8.32E-09	3.53E-09
5299	490863.09, 3865	2.46E-05	7.78E-09	3.30E-09	3.02E-05	9.52E-09	4.04E-09	2.65E-05	8.35E-09	3.54E-09
5300	491363.09, 3865	2.45E-05	7.73E-09	3.28E-09	3.00E-05	9.47E-09	4.02E-09	2.63E-05	8.31E-09	3.53E-09
5301	491863.09, 3865	2.47E-05	7.80E-09	3.31E-09	3.03E-05	9.56E-09	4.05E-09	2.66E-05	8.38E-09	3.56E-09
5302	492363.09, 3865	2.45E-05	7.75E-09	3.29E-09	3.01E-05	9.49E-09	4.03E-09	2.64E-05	8.32E-09	3.53E-09
5303	492863.09, 3865	2.07E-05	6.52E-09	2.77E-09	2.53E-05	7.99E-09	3.39E-09	2.22E-05	7.01E-09	2.97E-09
5304	493363.09, 3865	2.10E-05	6.63E-09	2.81E-09	2.57E-05	8.12E-09	3.44E-09	2.25E-05	7.12E-09	3.02E-09
5305	493863.09, 3865	2.34E-05	7.39E-09	3.13E-09	2.87E-05	9.05E-09	3.84E-09	2.51E-05	7.93E-09	3.37E-09
5306	494363.09, 3865	2.45E-05	7.72E-09	3.27E-09	3.00E-05	9.45E-09	4.01E-09	2.63E-05	8.29E-09	3.52E-09
5307	494863.09, 3865	2.49E-05	7.85E-09	3.33E-09	3.05E-05	9.62E-09	4.08E-09	2.67E-05	8.43E-09	3.58E-09
5308	495363.09, 3865	2.52E-05	7.94E-09	3.37E-09	3.08E-05	9.73E-09	4.13E-09	2.70E-05	8.53E-09	3.62E-09
5309	495863.09, 3865	2.60E-05	8.20E-09	3.48E-09	3.18E-05	1.00E-08	4.26E-09	2.79E-05	8.80E-09	3.73E-09
5310	496363.09, 3865	2.63E-05	8.29E-09	3.52E-09	3.22E-05	1.02E-08	4.31E-09	2.82E-05	8.90E-09	3.78E-09
5311	496863.09, 3865	2.58E-05	8.15E-09	3.46E-09	3.16E-05	9.98E-09	4.24E-09	2.77E-05	8.75E-09	3.71E-09
5312	497363.09, 3865	2.46E-05	7.78E-09	3.30E-09	3.02E-05	9.53E-09	4.04E-09	2.65E-05	8.35E-09	3.54E-09
5313	497863.09, 3865	2.37E-05	7.48E-09	3.17E-09	2.90E-05	9.16E-09	3.89E-09	2.54E-05	8.03E-09	3.41E-09
5314	498363.09, 3865	2.30E-05	7.26E-09	3.08E-09	2.82E-05	8.89E-09	3.77E-09	2.47E-05	7.79E-09	3.31E-09
5315	471363.09, 3866	1.31E-05	4.13E-09	1.75E-09	1.60E-05	5.06E-09	2.15E-09	1.41E-05	4.44E-09	1.88E-09
5316	471863.09, 3866	1.34E-05	4.22E-09	1.79E-09	1.64E-05	5.17E-09	2.20E-09	1.44E-05	4.54E-09	1.93E-09
5317	472363.09, 3866	1.37E-05	4.31E-09	1.83E-09	1.67E-05	5.28E-09	2.24E-09	1.47E-05	4.63E-09	1.97E-09
5318	472863.09, 3866	1.39E-05	4.38E-09	1.86E-09	1.70E-05	5.37E-09	2.28E-09	1.49E-05	4.71E-09	2.00E-09
5319	473363.09, 3866	1.43E-05	4.50E-09	1.91E-09	1.75E-05	5.52E-09	2.34E-09	1.53E-05	4.84E-09	2.05E-09
5320	473863.09, 3866	1.47E-05	4.63E-09	1.96E-09	1.80E-05	5.67E-09	2.41E-09	1.58E-05	4.97E-09	2.11E-09
5321	474363.09, 3866	1.51E-05	4.78E-09	2.03E-09	1.85E-05	5.85E-09	2.48E-09	1.63E-05	5.13E-09	2.18E-09
5322	474863.09, 3866	1.57E-05	4.95E-09	2.10E-09	1.92E-05	6.06E-09	2.57E-09	1.68E-05	5.32E-09	2.26E-09
5323	475363.09, 3866	1.62E-05	5.10E-09	2.17E-09	1.98E-05	6.25E-09	2.65E-09	1.74E-05	5.48E-09	2.33E-09
5324	475863.09, 3866	1.67E-05	5.26E-09	2.23E-09	2.04E-05	6.44E-09	2.73E-09	1.79E-05	5.65E-09	2.40E-09
5325	476363.09, 3866	1.76E-05	5.55E-09	2.35E-09	2.15E-05	6.80E-09	2.88E-09	1.89E-05	5.96E-09	2.53E-09
5326	476863.09, 3866	1.81E-05	5.70E-09	2.42E-09	2.21E-05	6.98E-09	2.96E-09	1.94E-05	6.13E-09	2.60E-09
5327	477363.09, 3866	1.90E-05	5.99E-09	2.54E-09	2.33E-05	7.34E-09	3.11E-09	2.04E-05	6.44E-09	2.73E-09
5328	477863.09, 3866	1.93E-05	6.10E-09	2.59E-09	2.37E-05	7.47E-09	3.17E-09	2.08E-05	6.55E-09	2.78E-09
5329	478363.09, 3866	1.97E-05	6.22E-09	2.64E-09	2.41E-05	7.61E-09	3.23E-09	2.12E-05	6.68E-09	2.83E-09
5330	478863.09, 3866	2.03E-05	6.40E-09	2.71E-09	2.48E-05	7.84E-09	3.33E-09	2.18E-05	6.87E-09	2.92E-09
5331	479363.09, 3866	2.08E-05	6.56E-09	2.79E-09	2.55E-05	8.04E-09	3.41E-09	2.23E-05	7.05E-09	2.99E-09
5332	479863.09, 3866	2.13E-05	6.71E-09	2.85E-09	2.60E-05	8.22E-09	3.49E-09	2.28E-05	7.21E-09	3.06E-09

5333	480363.09, 3866	2.16E-05	6.82E-09	2.90E-09	2.65E-05	8.36E-09	3.55E-09	2.32E-05	7.33E-09	3.11E-09
5334	480863.09, 3866	2.20E-05	6.93E-09	2.94E-09	2.69E-05	8.49E-09	3.60E-09	2.36E-05	7.45E-09	3.16E-09
5335	481363.09, 3866	2.24E-05	7.08E-09	3.00E-09	2.75E-05	8.67E-09	3.68E-09	2.41E-05	7.60E-09	3.22E-09
5336	481863.09, 3866	2.27E-05	7.17E-09	3.04E-09	2.78E-05	8.78E-09	3.73E-09	2.44E-05	7.70E-09	3.27E-09
5337	482363.09, 3866	2.29E-05	7.23E-09	3.07E-09	2.81E-05	8.86E-09	3.76E-09	2.46E-05	7.77E-09	3.30E-09
5338	482863.09, 3866	2.31E-05	7.29E-09	3.09E-09	2.83E-05	8.93E-09	3.79E-09	2.48E-05	7.83E-09	3.32E-09
5339	483363.09, 3866	2.32E-05	7.33E-09	3.11E-09	2.84E-05	8.98E-09	3.81E-09	2.50E-05	7.88E-09	3.34E-09
5340	483863.09, 3866	2.34E-05	7.38E-09	3.13E-09	2.86E-05	9.04E-09	3.84E-09	2.51E-05	7.93E-09	3.37E-09
5341	484363.09, 3866	2.34E-05	7.40E-09	3.14E-09	2.87E-05	9.06E-09	3.85E-09	2.52E-05	7.95E-09	3.37E-09
5342	484863.09, 3866	2.34E-05	7.40E-09	3.14E-09	2.87E-05	9.06E-09	3.84E-09	2.52E-05	7.95E-09	3.37E-09
5343	485363.09, 3866	2.31E-05	7.28E-09	3.09E-09	2.82E-05	8.91E-09	3.78E-09	2.48E-05	7.82E-09	3.32E-09
5344	485863.09, 3866	2.27E-05	7.17E-09	3.04E-09	2.78E-05	8.79E-09	3.73E-09	2.44E-05	7.71E-09	3.27E-09
5345	486363.09, 3866	2.26E-05	7.13E-09	3.03E-09	2.77E-05	8.74E-09	3.71E-09	2.43E-05	7.66E-09	3.25E-09
5346	486863.09, 3866	2.25E-05	7.10E-09	3.01E-09	2.76E-05	8.70E-09	3.69E-09	2.42E-05	7.63E-09	3.24E-09
5347	487363.09, 3866	2.29E-05	7.22E-09	3.06E-09	2.80E-05	8.84E-09	3.75E-09	2.46E-05	7.75E-09	3.29E-09
5348	487863.09, 3866	2.32E-05	7.31E-09	3.10E-09	2.84E-05	8.95E-09	3.80E-09	2.49E-05	7.85E-09	3.33E-09
5349	488363.09, 3866	2.32E-05	7.31E-09	3.10E-09	2.84E-05	8.95E-09	3.80E-09	2.49E-05	7.86E-09	3.33E-09
5350	488863.09, 3866	2.34E-05	7.38E-09	3.13E-09	2.86E-05	9.04E-09	3.83E-09	2.51E-05	7.93E-09	3.36E-09
5351	489363.09, 3866	2.33E-05	7.37E-09	3.13E-09	2.86E-05	9.02E-09	3.83E-09	2.51E-05	7.91E-09	3.36E-09
5352	489863.09, 3866	2.31E-05	7.30E-09	3.10E-09	2.83E-05	8.94E-09	3.79E-09	2.48E-05	7.84E-09	3.33E-09
5353	490363.09, 3866	2.27E-05	7.16E-09	3.04E-09	2.78E-05	8.77E-09	3.72E-09	2.44E-05	7.69E-09	3.26E-09
5354	490863.09, 3866	2.24E-05	7.07E-09	3.00E-09	2.74E-05	8.66E-09	3.68E-09	2.41E-05	7.60E-09	3.22E-09
5355	491363.09, 3866	2.26E-05	7.13E-09	3.02E-09	2.77E-05	8.73E-09	3.70E-09	2.43E-05	7.66E-09	3.25E-09
5356	491863.09, 3866	2.23E-05	7.04E-09	2.98E-09	2.73E-05	8.62E-09	3.66E-09	2.39E-05	7.56E-09	3.21E-09
5357	492363.09, 3866	2.26E-05	7.15E-09	3.03E-09	2.77E-05	8.76E-09	3.71E-09	2.43E-05	7.68E-09	3.26E-09
5358	492863.09, 3866	2.14E-05	6.74E-09	2.86E-09	2.62E-05	8.25E-09	3.50E-09	2.29E-05	7.24E-09	3.07E-09
5359	493363.09, 3866	2.15E-05	6.80E-09	2.89E-09	2.64E-05	8.33E-09	3.53E-09	2.31E-05	7.30E-09	3.10E-09
5360	493863.09, 3866	2.26E-05	7.12E-09	3.02E-09	2.76E-05	8.72E-09	3.70E-09	2.42E-05	7.65E-09	3.24E-09
5361	494363.09, 3866	2.33E-05	7.35E-09	3.12E-09	2.85E-05	9.01E-09	3.82E-09	2.50E-05	7.90E-09	3.35E-09
5362	494863.09, 3866	2.29E-05	7.24E-09	3.07E-09	2.81E-05	8.87E-09	3.76E-09	2.46E-05	7.78E-09	3.30E-09
5363	495363.09, 3866	2.22E-05	7.01E-09	2.98E-09	2.72E-05	8.59E-09	3.64E-09	2.39E-05	7.53E-09	3.20E-09
5364	495863.09, 3866	2.26E-05	7.14E-09	3.03E-09	2.77E-05	8.75E-09	3.71E-09	2.43E-05	7.67E-09	3.26E-09
5365	496363.09, 3866	2.40E-05	7.57E-09	3.21E-09	2.94E-05	9.27E-09	3.93E-09	2.57E-05	8.12E-09	3.45E-09
5366	496863.09, 3866	2.42E-05	7.64E-09	3.24E-09	2.96E-05	9.36E-09	3.97E-09	2.60E-05	8.20E-09	3.48E-09
5367	497363.09, 3866	2.38E-05	7.51E-09	3.19E-09	2.91E-05	9.20E-09	3.90E-09	2.55E-05	8.06E-09	3.42E-09
5368	497863.09, 3866	2.28E-05	7.21E-09	3.06E-09	2.80E-05	8.83E-09	3.75E-09	2.45E-05	7.74E-09	3.28E-09
5369	498363.09, 3866	2.08E-05	6.57E-09	2.79E-09	2.55E-05	8.04E-09	3.41E-09	2.23E-05	7.05E-09	2.99E-09
5370	474494.92, 3848	1.52E-05	4.78E-09	2.03E-09	1.86E-05	5.86E-09	2.49E-09	1.63E-05	5.14E-09	2.18E-09
5371	475167.27, 3848	1.73E-05	5.46E-09	2.32E-09	2.12E-05	6.69E-09	2.84E-09	1.86E-05	5.86E-09	2.49E-09
5372	475297.89, 3848	1.76E-05	5.56E-09	2.36E-09	2.16E-05	6.81E-09	2.89E-09	1.89E-05	5.97E-09	2.53E-09
5373	475439.05, 3849	1.76E-05	5.55E-09	2.35E-09	2.15E-05	6.80E-09	2.88E-09	1.89E-05	5.96E-09	2.53E-09
5374	475486.86, 3849	1.75E-05	5.52E-09	2.34E-09	2.14E-05	6.76E-09	2.87E-09	1.88E-05	5.93E-09	2.51E-09
5375	475538.46, 3849	1.76E-05	5.55E-09	2.36E-09	2.16E-05	6.80E-09	2.89E-09	1.89E-05	5.97E-09	2.53E-09
5376	475751.79, 3849	1.83E-05	5.79E-09	2.46E-09	2.25E-05	7.09E-09	3.01E-09	1.97E-05	6.22E-09	2.64E-09
5377	476303.62, 3849	1.93E-05	6.08E-09	2.58E-09	2.36E-05	7.44E-09	3.16E-09	2.07E-05	6.53E-09	2.77E-09
5378	476304.51, 3849	1.94E-05	6.11E-09	2.59E-09	2.37E-05	7.48E-09	3.17E-09	2.08E-05	6.56E-09	2.78E-09
5379	476365.04, 3849	1.95E-05	6.14E-09	2.60E-09	2.38E-05	7.52E-09	3.19E-09	2.09E-05	6.60E-09	2.80E-09
5380	476444.86, 3849	1.95E-05	6.15E-09	2.61E-09	2.39E-05	7.53E-09	3.19E-09	2.09E-05	6.60E-09	2.80E-09
5381	476550.75, 3849	1.98E-05	6.24E-09	2.65E-09	2.42E-05	7.65E-09	3.24E-09	2.13E-05	6.71E-09	2.85E-09
5382	476656.71, 3849	2.01E-05	6.33E-09	2.69E-09	2.46E-05	7.75E-09	3.29E-09	2.15E-05	6.80E-09	2.89E-09
5383	476873.55, 3849	2.08E-05	6.57E-09	2.79E-09	2.55E-05	8.05E-09	3.42E-09	2.24E-05	7.06E-09	3.00E-09
5384	477700, 384985	2.38E-05	7.51E-09	3.19E-09	2.91E-05	9.20E-09	3.90E-09	2.56E-05	8.07E-09	3.42E-09
5385	477743.16, 3849	2.35E-05	7.41E-09	3.15E-09	2.88E-05	9.08E-09	3.85E-09	2.52E-05	7.97E-09	3.38E-09
5386	478477.35, 3850	2.55E-05	8.06E-09	3.42E-09	3.13E-05	9.87E-09	4.19E-09	2.74E-05	8.66E-09	3.68E-09
5387	478485.8, 38502	2.55E-05	8.04E-09	3.41E-09	3.12E-05	9.85E-09	4.18E-09	2.74E-05	8.64E-09	3.67E-09
5388	479113.21, 3850	3.09E-05	9.75E-09	4.13E-09	3.78E-05	1.19E-08	5.06E-09	3.32E-05	1.05E-08	4.44E-09
5389	479108.11, 3850	3.07E-05	9.70E-09	4.12E-09	3.76E-05	1.19E-08	5.04E-09	3.30E-05	1.04E-08	4.42E-09
5390	479689.85, 3850	3.66E-05	1.15E-08	4.90E-09	4.48E-05	1.41E-08	6.00E-09	3.93E-05	1.24E-08	5.27E-09

5391	479952.42, 3850	4.03E-05	1.27E-08	5.40E-09	4.94E-05	1.56E-08	6.61E-09	4.33E-05	1.37E-08	5.80E-09
5392	479911.32, 3850	3.97E-05	1.25E-08	5.31E-09	4.86E-05	1.53E-08	6.50E-09	4.26E-05	1.34E-08	5.71E-09
5393	480500.92, 3851	4.87E-05	1.54E-08	6.53E-09	5.97E-05	1.88E-08	8.00E-09	5.24E-05	1.65E-08	7.01E-09
5394	480738.01, 3851	5.26E-05	1.66E-08	7.04E-09	6.44E-05	2.03E-08	8.62E-09	5.65E-05	1.78E-08	7.56E-09
5395	481055.42, 3851	5.76E-05	1.82E-08	7.71E-09	7.05E-05	2.23E-08	9.44E-09	6.18E-05	1.95E-08	8.28E-09
5396	481110.22, 3851	5.81E-05	1.83E-08	7.78E-09	7.11E-05	2.25E-08	9.53E-09	6.24E-05	1.97E-08	8.36E-09
5397	481111.1, 38514	5.77E-05	1.82E-08	7.73E-09	7.07E-05	2.23E-08	9.47E-09	6.20E-05	1.96E-08	8.31E-09
5398	482248.44, 3852	9.83E-05	3.10E-08	1.32E-08	1.20E-04	3.80E-08	1.61E-08	1.06E-04	3.33E-08	1.41E-08
5399	482273.34, 3852	9.99E-05	3.15E-08	1.34E-08	1.22E-04	3.86E-08	1.64E-08	1.07E-04	3.39E-08	1.44E-08
5400	482665.46, 3853	1.33E-04	4.21E-08	1.79E-08	1.63E-04	5.15E-08	2.19E-08	1.43E-04	4.52E-08	1.92E-08
5401	483077.95, 3853	1.40E-03	4.41E-07	1.87E-07	1.71E-03	5.40E-07	2.29E-07	1.51E-03	4.76E-07	2.02E-07
5402	483121.38, 3853	1.32E-03	4.16E-07	1.77E-07	1.62E-03	5.10E-07	2.16E-07	1.42E-03	4.49E-07	1.91E-07
5403	483492.64, 3853	6.71E-04	2.12E-07	8.98E-08	8.22E-04	2.59E-07	1.10E-07	7.23E-04	2.28E-07	9.68E-08
5404	483498.29, 3854	9.22E-04	2.91E-07	1.23E-07	1.13E-03	3.56E-07	1.51E-07	9.93E-04	3.13E-07	1.33E-07
5405	484132.44, 3854	1.89E-03	5.95E-07	2.53E-07	2.31E-03	7.29E-07	3.09E-07	2.03E-03	6.41E-07	2.72E-07
5406	484627.62, 3854	7.16E-03	2.26E-06	9.59E-07	8.78E-03	2.77E-06	1.18E-06	7.68E-03	2.42E-06	1.03E-06
5407	484756.14, 3854	6.86E-03	2.17E-06	9.19E-07	8.41E-03	2.65E-06	1.13E-06	7.33E-03	2.31E-06	9.82E-07
5408	486697.51, 3856	6.58E-03	2.08E-06	8.82E-07	8.06E-03	2.55E-06	1.08E-06	7.11E-03	2.24E-06	9.52E-07
5409	487105.31, 3856	6.22E-03	1.96E-06	8.32E-07	7.61E-03	2.40E-06	1.02E-06	6.70E-03	2.12E-06	8.97E-07
5410	487157.57, 3856	4.73E-03	1.49E-06	6.33E-07	5.79E-03	1.83E-06	7.76E-07	5.10E-03	1.61E-06	6.83E-07
5411	487173.5, 38568	4.18E-03	1.32E-06	5.60E-07	5.12E-03	1.62E-06	6.86E-07	4.51E-03	1.42E-06	6.04E-07
5412	487564.41, 3856	2.50E-03	7.90E-07	3.35E-07	3.07E-03	9.68E-07	4.11E-07	2.69E-03	8.50E-07	3.61E-07
5413	487563.31, 3856	2.57E-03	8.12E-07	3.45E-07	3.15E-03	9.95E-07	4.22E-07	2.76E-03	8.72E-07	3.70E-07
5414	487782.7, 38569	2.11E-03	6.65E-07	2.82E-07	2.58E-03	8.14E-07	3.45E-07	2.26E-03	7.13E-07	3.02E-07
5415	487782.39, 3856	1.98E-03	6.24E-07	2.65E-07	2.42E-03	7.64E-07	3.24E-07	2.13E-03	6.71E-07	2.85E-07
5416	487917.26, 3856	1.79E-03	5.66E-07	2.40E-07	2.20E-03	6.93E-07	2.94E-07	1.93E-03	6.09E-07	2.58E-07
5417	487919.57, 3856	1.91E-03	6.04E-07	2.56E-07	2.34E-03	7.39E-07	3.14E-07	2.05E-03	6.46E-07	2.74E-07
5418	487932.76, 3857	1.93E-03	6.08E-07	2.58E-07	2.36E-03	7.44E-07	3.16E-07	2.06E-03	6.50E-07	2.76E-07
5419	487960.5, 38570	1.92E-03	6.06E-07	2.57E-07	2.35E-03	7.42E-07	3.15E-07	2.05E-03	6.46E-07	2.74E-07
5420	488016.54, 3857	1.88E-03	5.92E-07	2.51E-07	2.30E-03	7.25E-07	3.08E-07	2.00E-03	6.31E-07	2.68E-07
5421	488114.39, 3857	1.80E-03	5.68E-07	2.41E-07	2.20E-03	6.95E-07	2.95E-07	1.91E-03	6.04E-07	2.56E-07
5422	488171.49, 3857	1.76E-03	5.56E-07	2.36E-07	2.16E-03	6.81E-07	2.89E-07	1.87E-03	5.91E-07	2.51E-07
5423	488193.16, 3857	1.76E-03	5.55E-07	2.35E-07	2.15E-03	6.80E-07	2.88E-07	1.87E-03	5.90E-07	2.50E-07
5424	488189.27, 3857	1.91E-03	6.02E-07	2.55E-07	2.33E-03	7.37E-07	3.13E-07	2.04E-03	6.44E-07	2.73E-07
5425	488127.43, 3857	2.07E-03	6.52E-07	2.77E-07	2.53E-03	7.99E-07	3.39E-07	2.22E-03	7.00E-07	2.97E-07
5426	488149.93, 3857	1.99E-03	6.29E-07	2.67E-07	2.44E-03	7.70E-07	3.27E-07	2.14E-03	6.74E-07	2.86E-07
5427	488144.76, 3857	2.00E-03	6.32E-07	2.68E-07	2.45E-03	7.74E-07	3.28E-07	2.15E-03	6.78E-07	2.88E-07
5428	488335.58, 3857	1.41E-03	4.44E-07	1.89E-07	1.72E-03	5.44E-07	2.31E-07	1.51E-03	4.77E-07	2.02E-07
5429	488372.29, 3857	1.36E-03	4.28E-07	1.82E-07	1.66E-03	5.24E-07	2.22E-07	1.46E-03	4.59E-07	1.95E-07
5430	488828.64, 3857	1.01E-03	3.19E-07	1.35E-07	1.24E-03	3.90E-07	1.66E-07	1.08E-03	3.42E-07	1.45E-07
5431	488829.08, 3857	1.00E-03	3.16E-07	1.34E-07	1.23E-03	3.87E-07	1.64E-07	1.07E-03	3.39E-07	1.44E-07
5432	488351.61, 3857	1.36E-03	4.30E-07	1.82E-07	1.67E-03	5.26E-07	2.23E-07	1.46E-03	4.62E-07	1.96E-07
5433	488316.87, 3857	1.42E-03	4.47E-07	1.90E-07	1.73E-03	5.47E-07	2.32E-07	1.52E-03	4.80E-07	2.04E-07
5434	488129.1, 38577	2.03E-03	6.41E-07	2.72E-07	2.49E-03	7.84E-07	3.33E-07	2.18E-03	6.87E-07	2.92E-07
5435	488062.53, 3857	2.09E-03	6.61E-07	2.80E-07	2.56E-03	8.09E-07	3.43E-07	2.25E-03	7.10E-07	3.01E-07
5436	488330.41, 3858	1.34E-03	4.23E-07	1.80E-07	1.64E-03	5.18E-07	2.20E-07	1.44E-03	4.55E-07	1.93E-07
5437	488470.87, 3858	1.23E-03	3.88E-07	1.64E-07	1.50E-03	4.75E-07	2.01E-07	1.32E-03	4.17E-07	1.77E-07
5438	488568.9, 38582	1.21E-03	3.81E-07	1.62E-07	1.48E-03	4.67E-07	1.98E-07	1.30E-03	4.11E-07	1.74E-07
5439	488964.27, 3858	9.15E-04	2.89E-07	1.23E-07	1.12E-03	3.54E-07	1.50E-07	9.82E-04	3.10E-07	1.32E-07
5440	489147.25, 3857	8.63E-04	2.73E-07	1.16E-07	1.06E-03	3.34E-07	1.42E-07	9.26E-04	2.92E-07	1.24E-07
5441	489343.52, 3857	8.04E-04	2.54E-07	1.08E-07	9.85E-04	3.11E-07	1.32E-07	8.63E-04	2.72E-07	1.16E-07
5442	489866.19, 3857	6.67E-04	2.11E-07	8.93E-08	8.17E-04	2.58E-07	1.09E-07	7.15E-04	2.26E-07	9.58E-08
5443	489955.65, 3857	6.51E-04	2.06E-07	8.72E-08	7.97E-04	2.52E-07	1.07E-07	6.98E-04	2.20E-07	9.35E-08
5444	490079.44, 3857	6.35E-04	2.00E-07	8.50E-08	7.77E-04	2.45E-07	1.04E-07	6.80E-04	2.15E-07	9.11E-08
5445	490108.49, 3857	6.14E-04	1.94E-07	8.22E-08	7.52E-04	2.37E-07	1.01E-07	6.59E-04	2.08E-07	8.82E-08
5446	489884.48, 3858	6.46E-04	2.04E-07	8.65E-08	7.91E-04	2.50E-07	1.06E-07	6.93E-04	2.19E-07	9.28E-08
5447	489326.56, 3858	7.85E-04	2.48E-07	1.05E-07	9.62E-04	3.04E-07	1.29E-07	8.43E-04	2.66E-07	1.13E-07
5448	489130.38, 3858	8.43E-04	2.66E-07	1.13E-07	1.03E-03	3.26E-07	1.38E-07	9.04E-04	2.85E-07	1.21E-07

5449	488936.49, 3858	9.06E-04	2.86E-07	1.21E-07	1.11E-03	3.50E-07	1.49E-07	9.73E-04	3.07E-07	1.30E-07
5450	488638.08, 3858	1.19E-03	3.77E-07	1.60E-07	1.46E-03	4.62E-07	1.96E-07	1.29E-03	4.06E-07	1.72E-07
5451	488663.79, 3858	1.19E-03	3.75E-07	1.59E-07	1.46E-03	4.60E-07	1.95E-07	1.28E-03	4.04E-07	1.71E-07
5452	488694.56, 3858	1.15E-03	3.63E-07	1.54E-07	1.41E-03	4.45E-07	1.89E-07	1.24E-03	3.91E-07	1.66E-07
5453	488694.35, 3858	1.14E-03	3.59E-07	1.52E-07	1.39E-03	4.39E-07	1.86E-07	1.22E-03	3.86E-07	1.64E-07
5454	488712.81, 3858	1.12E-03	3.52E-07	1.49E-07	1.37E-03	4.31E-07	1.83E-07	1.20E-03	3.79E-07	1.61E-07
5455	488713.23, 3858	1.15E-03	3.62E-07	1.54E-07	1.41E-03	4.44E-07	1.88E-07	1.24E-03	3.90E-07	1.66E-07
5456	488704.63, 3858	1.18E-03	3.72E-07	1.58E-07	1.44E-03	4.56E-07	1.93E-07	1.27E-03	4.01E-07	1.70E-07
5457	488604.15, 3858	1.67E-03	5.27E-07	2.24E-07	2.05E-03	6.46E-07	2.74E-07	1.80E-03	5.68E-07	2.41E-07
5458	488605.66, 3858	2.04E-03	6.44E-07	2.73E-07	2.50E-03	7.89E-07	3.35E-07	2.20E-03	6.95E-07	2.95E-07
5459	488692.68, 3858	1.62E-03	5.11E-07	2.17E-07	1.98E-03	6.26E-07	2.66E-07	1.75E-03	5.51E-07	2.34E-07
5460	488759.93, 3858	1.22E-03	3.84E-07	1.63E-07	1.49E-03	4.70E-07	2.00E-07	1.31E-03	4.14E-07	1.76E-07
5461	488816.57, 3858	1.27E-03	4.01E-07	1.70E-07	1.56E-03	4.91E-07	2.08E-07	1.37E-03	4.32E-07	1.83E-07
5462	488944.63, 3858	1.27E-03	3.99E-07	1.69E-07	1.55E-03	4.89E-07	2.08E-07	1.36E-03	4.31E-07	1.83E-07
5463	489134.91, 3858	1.01E-03	3.19E-07	1.35E-07	1.24E-03	3.91E-07	1.66E-07	1.09E-03	3.44E-07	1.46E-07
5464	489193.99, 3858	7.89E-04	2.49E-07	1.06E-07	9.66E-04	3.05E-07	1.29E-07	8.50E-04	2.68E-07	1.14E-07
5465	489295.2, 38589	5.73E-04	1.81E-07	7.67E-08	7.01E-04	2.21E-07	9.39E-08	6.17E-04	1.95E-07	8.26E-08
5466	489295.64, 3858	5.14E-04	1.62E-07	6.88E-08	6.29E-04	1.99E-07	8.43E-08	5.53E-04	1.75E-07	7.41E-08
5467	489183.74, 3858	7.40E-04	2.33E-07	9.90E-08	9.06E-04	2.86E-07	1.21E-07	7.97E-04	2.52E-07	1.07E-07
5468	488873.37, 3858	1.35E-03	4.26E-07	1.81E-07	1.65E-03	5.22E-07	2.22E-07	1.46E-03	4.60E-07	1.95E-07
5469	488842.84, 3858	1.55E-03	4.90E-07	2.08E-07	1.90E-03	6.01E-07	2.55E-07	1.68E-03	5.29E-07	2.25E-07
5470	488856.39, 3858	1.56E-03	4.91E-07	2.08E-07	1.91E-03	6.01E-07	2.55E-07	1.68E-03	5.30E-07	2.25E-07
5471	488805.7, 38587	2.18E-03	6.88E-07	2.92E-07	2.67E-03	8.43E-07	3.58E-07	2.35E-03	7.43E-07	3.15E-07
5472	488805.87, 3858	3.62E-03	1.14E-06	4.85E-07	4.44E-03	1.40E-06	5.94E-07	3.91E-03	1.23E-06	5.24E-07
5473	488995.78, 3858	8.47E-04	2.67E-07	1.13E-07	1.04E-03	3.27E-07	1.39E-07	9.13E-04	2.88E-07	1.22E-07
5474	489130.76, 3859	5.06E-04	1.60E-07	6.77E-08	6.19E-04	1.95E-07	8.29E-08	5.44E-04	1.72E-07	7.29E-08
5475	489130.92, 3859	4.43E-04	1.40E-07	5.94E-08	5.43E-04	1.71E-07	7.27E-08	4.77E-04	1.51E-07	6.39E-08
5476	489200.33, 3859	3.94E-04	1.24E-07	5.28E-08	4.83E-04	1.52E-07	6.46E-08	4.24E-04	1.34E-07	5.68E-08
5477	489296.07, 3859	3.45E-04	1.09E-07	4.63E-08	4.23E-04	1.34E-07	5.67E-08	3.72E-04	1.17E-07	4.98E-08
5478	489296.43, 3858	5.71E-04	1.80E-07	7.65E-08	7.00E-04	2.21E-07	9.37E-08	6.15E-04	1.94E-07	8.24E-08
5479	489410.33, 3859	4.38E-04	1.38E-07	5.86E-08	5.36E-04	1.69E-07	7.18E-08	4.71E-04	1.49E-07	6.31E-08
5480	489371.37, 3859	3.89E-04	1.23E-07	5.21E-08	4.77E-04	1.51E-07	6.39E-08	4.19E-04	1.32E-07	5.61E-08
5481	489390.52, 3859	3.77E-04	1.19E-07	5.05E-08	4.62E-04	1.46E-07	6.18E-08	4.06E-04	1.28E-07	5.43E-08
5482	489382.3, 38591	3.68E-04	1.16E-07	4.92E-08	4.50E-04	1.42E-07	6.03E-08	3.96E-04	1.25E-07	5.30E-08
5483	489363.04, 3859	3.79E-04	1.20E-07	5.07E-08	4.64E-04	1.46E-07	6.21E-08	4.08E-04	1.29E-07	5.46E-08
5484	489337.52, 3859	3.48E-04	1.10E-07	4.66E-08	4.26E-04	1.34E-07	5.70E-08	3.74E-04	1.18E-07	5.01E-08
5485	489375.14, 3859	3.30E-04	1.04E-07	4.43E-08	4.05E-04	1.28E-07	5.42E-08	3.55E-04	1.12E-07	4.76E-08
5486	489409.3, 38591	3.66E-04	1.16E-07	4.91E-08	4.49E-04	1.42E-07	6.01E-08	3.94E-04	1.24E-07	5.28E-08
5487	489434.87, 3859	3.52E-04	1.11E-07	4.72E-08	4.31E-04	1.36E-07	5.78E-08	3.79E-04	1.20E-07	5.07E-08
5488	489471.87, 3859	3.91E-04	1.23E-07	5.24E-08	4.79E-04	1.51E-07	6.42E-08	4.21E-04	1.33E-07	5.64E-08
5489	489602.62, 3859	3.24E-04	1.02E-07	4.33E-08	3.96E-04	1.25E-07	5.31E-08	3.48E-04	1.10E-07	4.66E-08
5490	489558.29, 3859	2.91E-04	9.19E-08	3.90E-08	3.57E-04	1.13E-07	4.78E-08	3.13E-04	9.88E-08	4.19E-08
5491	489620.11, 3859	2.73E-04	8.60E-08	3.65E-08	3.34E-04	1.05E-07	4.47E-08	2.93E-04	9.25E-08	3.93E-08
5492	489666.06, 3859	3.00E-04	9.48E-08	4.02E-08	3.68E-04	1.16E-07	4.93E-08	3.23E-04	1.02E-07	4.33E-08
5493	489787.9, 38592	2.66E-04	8.38E-08	3.56E-08	3.25E-04	1.03E-07	4.36E-08	2.86E-04	9.01E-08	3.82E-08
5494	489752.17, 3859	2.47E-04	7.79E-08	3.31E-08	3.02E-04	9.55E-08	4.05E-08	2.65E-04	8.38E-08	3.55E-08
5495	489814.94, 3859	2.34E-04	7.39E-08	3.13E-08	2.87E-04	9.05E-08	3.84E-08	2.52E-04	7.94E-08	3.37E-08
5496	489853.42, 3859	2.50E-04	7.88E-08	3.34E-08	3.06E-04	9.65E-08	4.10E-08	2.68E-04	8.47E-08	3.59E-08
5497	489969.5, 38594	2.28E-04	7.21E-08	3.06E-08	2.80E-04	8.83E-08	3.75E-08	2.46E-04	7.75E-08	3.29E-08
5498	490166.91, 3859	2.07E-04	6.53E-08	2.77E-08	2.53E-04	8.00E-08	3.39E-08	2.22E-04	7.02E-08	2.98E-08
5499	490128.86, 3859	1.90E-04	6.01E-08	2.55E-08	2.33E-04	7.36E-08	3.12E-08	2.05E-04	6.46E-08	2.74E-08
5500	490186.65, 3859	1.86E-04	5.88E-08	2.50E-08	2.28E-04	7.21E-08	3.06E-08	2.00E-04	6.32E-08	2.68E-08
5501	490223.74, 3859	2.01E-04	6.33E-08	2.68E-08	2.46E-04	7.75E-08	3.29E-08	2.15E-04	6.80E-08	2.89E-08
5502	490846.34, 3859	1.56E-04	4.91E-08	2.08E-08	1.91E-04	6.02E-08	2.55E-08	1.67E-04	5.28E-08	2.24E-08
5503	490925.65, 3859	1.53E-04	4.82E-08	2.05E-08	1.87E-04	5.91E-08	2.51E-08	1.64E-04	5.18E-08	2.20E-08
5504	491159.29, 3859	1.46E-04	4.62E-08	1.96E-08	1.79E-04	5.66E-08	2.40E-08	1.57E-04	4.96E-08	2.11E-08
5505	491370.69, 3859	1.39E-04	4.39E-08	1.86E-08	1.70E-04	5.38E-08	2.28E-08	1.49E-04	4.71E-08	2.00E-08
5506	491330.28, 3860	1.29E-04	4.06E-08	1.72E-08	1.57E-04	4.97E-08	2.11E-08	1.38E-04	4.36E-08	1.85E-08

5507	491636.45, 3860	1.20E-04	3.79E-08	1.61E-08	1.47E-04	4.64E-08	1.97E-08	1.29E-04	4.07E-08	1.73E-08
5508	491617.94, 3860	1.18E-04	3.72E-08	1.58E-08	1.44E-04	4.56E-08	1.93E-08	1.27E-04	4.00E-08	1.70E-08
5509	491805.68, 3860	1.14E-04	3.58E-08	1.52E-08	1.39E-04	4.39E-08	1.86E-08	1.22E-04	3.85E-08	1.63E-08
5510	491654.23, 3860	1.04E-04	3.28E-08	1.39E-08	1.27E-04	4.01E-08	1.70E-08	1.12E-04	3.52E-08	1.49E-08
5511	491592.62, 3860	9.75E-05	3.08E-08	1.31E-08	1.19E-04	3.77E-08	1.60E-08	1.05E-04	3.31E-08	1.40E-08
5512	491475.41, 3860	1.05E-04	3.32E-08	1.41E-08	1.29E-04	4.06E-08	1.72E-08	1.13E-04	3.56E-08	1.51E-08
5513	491445.61, 3860	1.07E-04	3.37E-08	1.43E-08	1.31E-04	4.13E-08	1.75E-08	1.15E-04	3.62E-08	1.54E-08
5514	491399.05, 3860	1.09E-04	3.45E-08	1.47E-08	1.34E-04	4.23E-08	1.79E-08	1.18E-04	3.71E-08	1.57E-08
5515	491228.84, 3860	1.14E-04	3.58E-08	1.52E-08	1.39E-04	4.39E-08	1.86E-08	1.22E-04	3.85E-08	1.63E-08
5516	491228.47, 3860	1.18E-04	3.74E-08	1.59E-08	1.45E-04	4.58E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
5517	491145.77, 3860	1.24E-04	3.91E-08	1.66E-08	1.52E-04	4.78E-08	2.03E-08	1.33E-04	4.19E-08	1.78E-08
5518	490844.41, 3859	1.38E-04	4.37E-08	1.85E-08	1.70E-04	5.35E-08	2.27E-08	1.49E-04	4.69E-08	1.99E-08
5519	490845.55, 3859	1.42E-04	4.50E-08	1.91E-08	1.74E-04	5.51E-08	2.34E-08	1.53E-04	4.83E-08	2.05E-08
5520	490046.91, 3859	1.82E-04	5.73E-08	2.43E-08	2.23E-04	7.02E-08	2.98E-08	1.95E-04	6.16E-08	2.61E-08
5521	489970.48, 3859	1.88E-04	5.94E-08	2.52E-08	2.31E-04	7.28E-08	3.09E-08	2.02E-04	6.39E-08	2.71E-08
5522	489865.89, 3859	2.00E-04	6.32E-08	2.68E-08	2.45E-04	7.74E-08	3.28E-08	2.15E-04	6.79E-08	2.88E-08
5523	489826.89, 3859	2.00E-04	6.32E-08	2.68E-08	2.45E-04	7.74E-08	3.28E-08	2.15E-04	6.79E-08	2.88E-08
5524	489410.47, 3859	2.63E-04	8.31E-08	3.53E-08	3.22E-04	1.02E-07	4.32E-08	2.83E-04	8.93E-08	3.79E-08
5525	489407.15, 3859	2.69E-04	8.49E-08	3.60E-08	3.30E-04	1.04E-07	4.41E-08	2.89E-04	9.13E-08	3.87E-08
5526	488806.07, 3858	6.47E-04	2.04E-07	8.67E-08	7.93E-04	2.50E-07	1.06E-07	6.98E-04	2.20E-07	9.34E-08
5527	488817.64, 3859	2.00E-04	6.31E-08	2.68E-08	2.45E-04	7.73E-08	3.28E-08	2.15E-04	6.78E-08	2.88E-08
5528	489187.25, 3859	2.04E-04	6.44E-08	2.73E-08	2.50E-04	7.89E-08	3.35E-08	2.19E-04	6.92E-08	2.94E-08
5529	489187.66, 3859	2.10E-04	6.61E-08	2.81E-08	2.57E-04	8.10E-08	3.44E-08	2.25E-04	7.11E-08	3.02E-08
5530	489232.59, 3859	2.11E-04	6.65E-08	2.82E-08	2.58E-04	8.14E-08	3.45E-08	2.26E-04	7.14E-08	3.03E-08
5531	489224.98, 3859	1.69E-04	5.34E-08	2.27E-08	2.07E-04	6.54E-08	2.77E-08	1.82E-04	5.74E-08	2.43E-08
5532	488401.39, 3859	1.61E-04	5.08E-08	2.16E-08	1.97E-04	6.22E-08	2.64E-08	1.73E-04	5.46E-08	2.32E-08
5533	488405.51, 3859	1.39E-04	4.40E-08	1.87E-08	1.71E-04	5.39E-08	2.29E-08	1.50E-04	4.73E-08	2.01E-08
5534	489202.85, 3859	1.46E-04	4.61E-08	1.96E-08	1.79E-04	5.65E-08	2.40E-08	1.57E-04	4.95E-08	2.10E-08
5535	489191.9, 38606	9.57E-05	3.02E-08	1.28E-08	1.17E-04	3.70E-08	1.57E-08	1.03E-04	3.24E-08	1.38E-08
5536	488392.82, 3860	9.41E-05	2.97E-08	1.26E-08	1.15E-04	3.64E-08	1.54E-08	1.01E-04	3.19E-08	1.35E-08
5537	488392.82, 3860	9.16E-05	2.89E-08	1.23E-08	1.12E-04	3.54E-08	1.50E-08	9.84E-05	3.11E-08	1.32E-08
5538	487549.05, 3860	8.86E-05	2.80E-08	1.19E-08	1.09E-04	3.43E-08	1.45E-08	9.52E-05	3.01E-08	1.28E-08
5539	487554.62, 3859	1.72E-04	5.43E-08	2.30E-08	2.11E-04	6.65E-08	2.82E-08	1.85E-04	5.83E-08	2.47E-08
5540	485949.46, 3859	1.48E-04	4.67E-08	1.98E-08	1.81E-04	5.72E-08	2.43E-08	1.59E-04	5.02E-08	2.13E-08
5541	485947.55, 3857	4.08E-04	1.29E-07	5.47E-08	5.00E-04	1.58E-07	6.70E-08	4.38E-04	1.38E-07	5.87E-08
5542	484738.38, 3857	2.63E-04	8.29E-08	3.52E-08	3.22E-04	1.01E-07	4.31E-08	2.82E-04	8.91E-08	3.78E-08
5543	484737.06, 3857	3.22E-04	1.02E-07	4.32E-08	3.95E-04	1.25E-07	5.29E-08	3.47E-04	1.09E-07	4.64E-08
5544	483730.2, 38575	2.31E-04	7.30E-08	3.10E-08	2.83E-04	8.95E-08	3.80E-08	2.49E-04	7.85E-08	3.33E-08
5545	483727.27, 3857	2.71E-04	8.54E-08	3.63E-08	3.32E-04	1.05E-07	4.44E-08	2.91E-04	9.18E-08	3.90E-08
5546	483124.42, 3857	2.19E-04	6.93E-08	2.94E-08	2.69E-04	8.48E-08	3.60E-08	2.36E-04	7.44E-08	3.16E-08
5547	483111.13, 3855	3.22E-04	1.02E-07	4.32E-08	3.95E-04	1.25E-07	5.29E-08	3.46E-04	1.09E-07	4.64E-08
5548	482701.73, 3855	2.65E-04	8.36E-08	3.55E-08	3.24E-04	1.02E-07	4.34E-08	2.84E-04	8.97E-08	3.81E-08
5549	482668.02, 3853	2.85E-04	9.00E-08	3.82E-08	3.49E-04	1.10E-07	4.68E-08	3.07E-04	9.70E-08	4.11E-08
5550	482579.91, 3853	1.52E-04	4.79E-08	2.03E-08	1.86E-04	5.86E-08	2.49E-08	1.63E-04	5.15E-08	2.18E-08
5551	482434.06, 3852	1.22E-04	3.84E-08	1.63E-08	1.49E-04	4.70E-08	2.00E-08	1.31E-04	4.13E-08	1.75E-08
5552	482332.11, 3852	1.11E-04	3.50E-08	1.49E-08	1.36E-04	4.29E-08	1.82E-08	1.19E-04	3.76E-08	1.60E-08
5553	481334.99, 3851	6.53E-05	2.06E-08	8.74E-09	8.00E-05	2.52E-08	1.07E-08	7.01E-05	2.21E-08	9.39E-09
5554	481127.62, 3851	6.03E-05	1.90E-08	8.08E-09	7.39E-05	2.33E-08	9.90E-09	6.48E-05	2.05E-08	8.68E-09
5555	481025.04, 3851	5.84E-05	1.84E-08	7.82E-09	7.15E-05	2.26E-08	9.58E-09	6.27E-05	1.98E-08	8.40E-09
5556	480513.6, 38513	4.91E-05	1.55E-08	6.57E-09	6.01E-05	1.90E-08	8.05E-09	5.27E-05	1.66E-08	7.06E-09
5557	480523.56, 3851	4.93E-05	1.55E-08	6.60E-09	6.03E-05	1.90E-08	8.08E-09	5.29E-05	1.67E-08	7.09E-09
5558	476921.56, 3849	2.21E-05	6.96E-09	2.95E-09	2.70E-05	8.52E-09	3.62E-09	2.37E-05	7.48E-09	3.17E-09
5559	476521.19, 3849	2.05E-05	6.47E-09	2.74E-09	2.51E-05	7.92E-09	3.36E-09	2.20E-05	6.95E-09	2.95E-09
5560	476391.45, 3849	2.03E-05	6.40E-09	2.72E-09	2.48E-05	7.84E-09	3.33E-09	2.18E-05	6.88E-09	2.92E-09
5561	476219.41, 3849	2.01E-05	6.35E-09	2.69E-09	2.46E-05	7.78E-09	3.30E-09	2.16E-05	6.82E-09	2.89E-09
5562	475679.11, 3849	1.92E-05	6.06E-09	2.57E-09	2.35E-05	7.42E-09	3.15E-09	2.06E-05	6.51E-09	2.76E-09
5563	475677.71, 3849	1.93E-05	6.09E-09	2.59E-09	2.36E-05	7.46E-09	3.17E-09	2.07E-05	6.55E-09	2.78E-09
5564	475492.74, 3849	1.75E-05	5.53E-09	2.34E-09	2.14E-05	6.77E-09	2.87E-09	1.88E-05	5.94E-09	2.52E-09

5565	475497.64, 3849	1.79E-05	5.65E-09	2.40E-09	2.19E-05	6.93E-09	2.94E-09	1.92E-05	6.07E-09	2.58E-09
5566	475391.35, 3849	1.83E-05	5.79E-09	2.46E-09	2.25E-05	7.09E-09	3.01E-09	1.97E-05	6.22E-09	2.64E-09
5567	475277, 384909	1.83E-05	5.77E-09	2.45E-09	2.24E-05	7.07E-09	3.00E-09	1.96E-05	6.20E-09	2.63E-09
5568	475183.93, 3849	1.79E-05	5.66E-09	2.40E-09	2.20E-05	6.93E-09	2.94E-09	1.93E-05	6.08E-09	2.58E-09
5569	474453.23, 3848	1.55E-05	4.89E-09	2.08E-09	1.90E-05	5.99E-09	2.54E-09	1.67E-05	5.26E-09	2.23E-09
5570	474569.63, 3848	1.54E-05	4.86E-09	2.06E-09	1.89E-05	5.96E-09	2.53E-09	1.66E-05	5.22E-09	2.22E-09
5571	474644.33, 3848	1.57E-05	4.94E-09	2.10E-09	1.92E-05	6.06E-09	2.57E-09	1.68E-05	5.31E-09	2.25E-09
5572	474719.04, 3848	1.59E-05	5.02E-09	2.13E-09	1.95E-05	6.15E-09	2.61E-09	1.71E-05	5.39E-09	2.29E-09
5573	474793.74, 3848	1.60E-05	5.06E-09	2.15E-09	1.96E-05	6.20E-09	2.63E-09	1.72E-05	5.44E-09	2.31E-09
5574	474868.45, 3848	1.61E-05	5.08E-09	2.16E-09	1.97E-05	6.22E-09	2.64E-09	1.73E-05	5.46E-09	2.32E-09
5575	474943.15, 3848	1.63E-05	5.14E-09	2.18E-09	1.99E-05	6.29E-09	2.67E-09	1.75E-05	5.52E-09	2.34E-09
5576	475017.86, 3848	1.66E-05	5.23E-09	2.22E-09	2.03E-05	6.41E-09	2.72E-09	1.78E-05	5.62E-09	2.38E-09
5577	475092.56, 3848	1.69E-05	5.35E-09	2.27E-09	2.08E-05	6.55E-09	2.78E-09	1.82E-05	5.75E-09	2.44E-09
5578	475232.58, 3848	1.75E-05	5.51E-09	2.34E-09	2.14E-05	6.76E-09	2.87E-09	1.88E-05	5.92E-09	2.51E-09
5579	475368.47, 3849	1.77E-05	5.58E-09	2.37E-09	2.17E-05	6.84E-09	2.90E-09	1.90E-05	6.00E-09	2.54E-09
5580	475609.57, 3849	1.78E-05	5.62E-09	2.38E-09	2.18E-05	6.89E-09	2.92E-09	1.91E-05	6.04E-09	2.56E-09
5581	475680.68, 3849	1.82E-05	5.74E-09	2.43E-09	2.23E-05	7.03E-09	2.98E-09	1.95E-05	6.16E-09	2.62E-09
5582	475843.76, 3849	1.86E-05	5.88E-09	2.49E-09	2.28E-05	7.20E-09	3.05E-09	2.00E-05	6.31E-09	2.68E-09
5583	475935.73, 3849	1.90E-05	6.01E-09	2.55E-09	2.33E-05	7.36E-09	3.12E-09	2.05E-05	6.46E-09	2.74E-09
5584	476027.71, 3849	1.94E-05	6.11E-09	2.59E-09	2.37E-05	7.49E-09	3.18E-09	2.08E-05	6.57E-09	2.79E-09
5585	476119.68, 3849	1.91E-05	6.04E-09	2.56E-09	2.34E-05	7.40E-09	3.14E-09	2.06E-05	6.49E-09	2.75E-09
5586	476211.65, 3849	1.92E-05	6.05E-09	2.57E-09	2.35E-05	7.41E-09	3.15E-09	2.06E-05	6.50E-09	2.76E-09
5587	476497.81, 3849	1.96E-05	6.19E-09	2.63E-09	2.40E-05	7.59E-09	3.22E-09	2.11E-05	6.66E-09	2.82E-09
5588	476603.73, 3849	1.99E-05	6.29E-09	2.67E-09	2.44E-05	7.71E-09	3.27E-09	2.14E-05	6.76E-09	2.87E-09
5589	476728.99, 3849	2.03E-05	6.41E-09	2.72E-09	2.49E-05	7.86E-09	3.33E-09	2.18E-05	6.89E-09	2.92E-09
5590	476801.27, 3849	2.06E-05	6.50E-09	2.76E-09	2.52E-05	7.96E-09	3.38E-09	2.21E-05	6.98E-09	2.96E-09
5591	476956.2, 38494	2.12E-05	6.68E-09	2.84E-09	2.59E-05	8.19E-09	3.47E-09	2.28E-05	7.18E-09	3.05E-09
5592	477038.84, 3849	2.13E-05	6.73E-09	2.86E-09	2.61E-05	8.25E-09	3.50E-09	2.29E-05	7.23E-09	3.07E-09
5593	477121.49, 3849	2.16E-05	6.82E-09	2.90E-09	2.65E-05	8.36E-09	3.55E-09	2.32E-05	7.33E-09	3.11E-09
5594	477204.13, 3849	2.18E-05	6.88E-09	2.92E-09	2.67E-05	8.43E-09	3.58E-09	2.34E-05	7.39E-09	3.14E-09
5595	477286.78, 3849	2.16E-05	6.81E-09	2.89E-09	2.64E-05	8.34E-09	3.54E-09	2.32E-05	7.32E-09	3.10E-09
5596	477369.42, 3849	2.23E-05	7.05E-09	2.99E-09	2.73E-05	8.63E-09	3.66E-09	2.40E-05	7.57E-09	3.21E-09
5597	477452.07, 3849	2.25E-05	7.09E-09	3.01E-09	2.75E-05	8.68E-09	3.68E-09	2.41E-05	7.62E-09	3.23E-09
5598	477534.71, 3849	2.31E-05	7.29E-09	3.09E-09	2.83E-05	8.92E-09	3.79E-09	2.48E-05	7.83E-09	3.32E-09
5599	477617.36, 3849	2.33E-05	7.35E-09	3.12E-09	2.85E-05	9.01E-09	3.82E-09	2.50E-05	7.90E-09	3.35E-09
5600	477824.74, 3849	2.39E-05	7.55E-09	3.21E-09	2.93E-05	9.25E-09	3.93E-09	2.57E-05	8.12E-09	3.44E-09
5601	477906.31, 3849	2.36E-05	7.44E-09	3.16E-09	2.89E-05	9.11E-09	3.87E-09	2.53E-05	7.99E-09	3.39E-09
5602	477987.89, 3849	2.41E-05	7.60E-09	3.23E-09	2.95E-05	9.31E-09	3.95E-09	2.59E-05	8.17E-09	3.47E-09
5603	478069.47, 3850	2.39E-05	7.55E-09	3.20E-09	2.93E-05	9.25E-09	3.92E-09	2.57E-05	8.11E-09	3.44E-09
5604	478151.04, 3850	2.38E-05	7.52E-09	3.19E-09	2.92E-05	9.21E-09	3.91E-09	2.56E-05	8.08E-09	3.43E-09
5605	478232.62, 3850	2.42E-05	7.63E-09	3.24E-09	2.96E-05	9.35E-09	3.97E-09	2.60E-05	8.20E-09	3.48E-09
5606	478314.2, 38501	2.46E-05	7.76E-09	3.29E-09	3.01E-05	9.51E-09	4.03E-09	2.64E-05	8.34E-09	3.54E-09
5607	478395.77, 3850	2.51E-05	7.91E-09	3.36E-09	3.07E-05	9.69E-09	4.11E-09	2.69E-05	8.50E-09	3.61E-09
5608	478575.43, 3850	2.61E-05	8.24E-09	3.50E-09	3.20E-05	1.01E-08	4.28E-09	2.81E-05	8.86E-09	3.76E-09
5609	478665.06, 3850	2.68E-05	8.46E-09	3.59E-09	3.29E-05	1.04E-08	4.40E-09	2.88E-05	9.10E-09	3.86E-09
5610	478754.69, 3850	2.76E-05	8.70E-09	3.69E-09	3.38E-05	1.07E-08	4.52E-09	2.96E-05	9.35E-09	3.97E-09
5611	478844.32, 3850	2.84E-05	8.97E-09	3.80E-09	3.48E-05	1.10E-08	4.66E-09	3.05E-05	9.64E-09	4.09E-09
5612	478933.95, 3850	2.94E-05	9.26E-09	3.93E-09	3.60E-05	1.13E-08	4.81E-09	3.15E-05	9.96E-09	4.22E-09
5613	479023.58, 3850	3.00E-05	9.45E-09	4.01E-09	3.67E-05	1.16E-08	4.91E-09	3.22E-05	1.02E-08	4.31E-09
5614	479110.66, 3850	3.08E-05	9.73E-09	4.13E-09	3.78E-05	1.19E-08	5.06E-09	3.31E-05	1.05E-08	4.44E-09
5615	479191.22, 3850	3.16E-05	9.98E-09	4.23E-09	3.87E-05	1.22E-08	5.19E-09	3.40E-05	1.07E-08	4.55E-09
5616	479274.32, 3850	3.24E-05	1.02E-08	4.34E-09	3.97E-05	1.25E-08	5.32E-09	3.49E-05	1.10E-08	4.67E-09
5617	479357.43, 3850	3.32E-05	1.05E-08	4.44E-09	4.06E-05	1.28E-08	5.44E-09	3.56E-05	1.12E-08	4.77E-09
5618	479440.53, 3850	3.38E-05	1.07E-08	4.53E-09	4.14E-05	1.31E-08	5.54E-09	3.63E-05	1.15E-08	4.86E-09
5619	479523.64, 3850	3.46E-05	1.09E-08	4.64E-09	4.24E-05	1.34E-08	5.68E-09	3.72E-05	1.17E-08	4.98E-09
5620	479606.74, 3850	3.56E-05	1.12E-08	4.77E-09	4.36E-05	1.38E-08	5.84E-09	3.83E-05	1.21E-08	5.12E-09
5621	479777.37, 3850	3.77E-05	1.19E-08	5.05E-09	4.62E-05	1.46E-08	6.18E-09	4.05E-05	1.28E-08	5.43E-09
5622	479864.9, 38507	3.90E-05	1.23E-08	5.22E-09	4.78E-05	1.51E-08	6.40E-09	4.19E-05	1.32E-08	5.61E-09

5623	479931.87, 3850	4.00E-05	1.26E-08	5.35E-09	4.89E-05	1.54E-08	6.55E-09	4.29E-05	1.36E-08	5.75E-09
5624	479995.55, 3850	4.10E-05	1.29E-08	5.49E-09	5.02E-05	1.58E-08	6.72E-09	4.40E-05	1.39E-08	5.90E-09
5625	480079.78, 3850	4.23E-05	1.33E-08	5.66E-09	5.18E-05	1.63E-08	6.94E-09	4.54E-05	1.43E-08	6.08E-09
5626	480164.01, 3851	4.36E-05	1.38E-08	5.84E-09	5.34E-05	1.69E-08	7.15E-09	4.68E-05	1.48E-08	6.27E-09
5627	480248.23, 3851	4.48E-05	1.42E-08	6.01E-09	5.49E-05	1.73E-08	7.36E-09	4.82E-05	1.52E-08	6.45E-09
5628	480332.46, 3851	4.62E-05	1.46E-08	6.18E-09	5.65E-05	1.78E-08	7.57E-09	4.96E-05	1.57E-08	6.64E-09
5629	480416.69, 3851	4.74E-05	1.50E-08	6.35E-09	5.81E-05	1.83E-08	7.78E-09	5.10E-05	1.61E-08	6.82E-09
5630	480579.95, 3851	5.00E-05	1.58E-08	6.70E-09	6.13E-05	1.93E-08	8.20E-09	5.37E-05	1.70E-08	7.20E-09
5631	480658.98, 3851	5.13E-05	1.62E-08	6.87E-09	6.28E-05	1.98E-08	8.42E-09	5.51E-05	1.74E-08	7.38E-09
5632	480817.36, 3851	5.38E-05	1.70E-08	7.21E-09	6.59E-05	2.08E-08	8.83E-09	5.78E-05	1.83E-08	7.74E-09
5633	480896.72, 3851	5.51E-05	1.74E-08	7.38E-09	6.75E-05	2.13E-08	9.04E-09	5.92E-05	1.87E-08	7.93E-09
5634	480976.07, 3851	5.63E-05	1.78E-08	7.54E-09	6.90E-05	2.18E-08	9.24E-09	6.05E-05	1.91E-08	8.10E-09
5635	481178, 385148	5.92E-05	1.87E-08	7.93E-09	7.26E-05	2.29E-08	9.72E-09	6.37E-05	2.01E-08	8.52E-09
5636	481244.9, 38515	6.08E-05	1.92E-08	8.14E-09	7.45E-05	2.35E-08	9.98E-09	6.53E-05	2.06E-08	8.75E-09
5637	481311.81, 3851	6.25E-05	1.97E-08	8.37E-09	7.65E-05	2.42E-08	1.02E-08	6.71E-05	2.12E-08	8.99E-09
5638	481378.71, 3851	6.43E-05	2.03E-08	8.61E-09	7.87E-05	2.48E-08	1.05E-08	6.90E-05	2.18E-08	9.25E-09
5639	481445.61, 3851	6.61E-05	2.09E-08	8.85E-09	8.10E-05	2.56E-08	1.08E-08	7.10E-05	2.24E-08	9.51E-09
5640	481512.51, 3851	6.81E-05	2.15E-08	9.12E-09	8.34E-05	2.63E-08	1.12E-08	7.32E-05	2.31E-08	9.80E-09
5641	481579.42, 3851	7.02E-05	2.22E-08	9.40E-09	8.60E-05	2.71E-08	1.15E-08	7.54E-05	2.38E-08	1.01E-08
5642	481646.32, 3851	7.24E-05	2.29E-08	9.70E-09	8.87E-05	2.80E-08	1.19E-08	7.78E-05	2.46E-08	1.04E-08
5643	481713.22, 3852	7.48E-05	2.36E-08	1.00E-08	9.17E-05	2.89E-08	1.23E-08	8.04E-05	2.54E-08	1.08E-08
5644	481780.12, 3852	7.73E-05	2.44E-08	1.04E-08	9.47E-05	2.99E-08	1.27E-08	8.31E-05	2.62E-08	1.11E-08
5645	481847.03, 3852	7.99E-05	2.52E-08	1.07E-08	9.78E-05	3.09E-08	1.31E-08	8.58E-05	2.71E-08	1.15E-08
5646	481913.93, 3852	8.25E-05	2.60E-08	1.10E-08	1.01E-04	3.19E-08	1.35E-08	8.86E-05	2.80E-08	1.19E-08
5647	481980.83, 3852	8.50E-05	2.68E-08	1.14E-08	1.04E-04	3.29E-08	1.39E-08	9.14E-05	2.88E-08	1.22E-08
5648	482047.73, 3852	8.80E-05	2.78E-08	1.18E-08	1.08E-04	3.40E-08	1.44E-08	9.46E-05	2.99E-08	1.27E-08
5649	482114.64, 3852	9.09E-05	2.87E-08	1.22E-08	1.11E-04	3.52E-08	1.49E-08	9.77E-05	3.08E-08	1.31E-08
5650	482181.54, 3852	9.46E-05	2.99E-08	1.27E-08	1.16E-04	3.66E-08	1.55E-08	1.02E-04	3.21E-08	1.36E-08
5651	482338.69, 3852	1.04E-04	3.28E-08	1.39E-08	1.27E-04	4.01E-08	1.70E-08	1.12E-04	3.52E-08	1.49E-08
5652	482404.05, 3852	1.08E-04	3.41E-08	1.45E-08	1.33E-04	4.18E-08	1.77E-08	1.16E-04	3.67E-08	1.56E-08
5653	482469.4, 38528	1.13E-04	3.57E-08	1.51E-08	1.38E-04	4.37E-08	1.85E-08	1.21E-04	3.83E-08	1.63E-08
5654	482534.75, 3852	1.19E-04	3.75E-08	1.59E-08	1.45E-04	4.59E-08	1.95E-08	1.28E-04	4.03E-08	1.71E-08
5655	482600.11, 3852	1.25E-04	3.95E-08	1.68E-08	1.53E-04	4.84E-08	2.05E-08	1.35E-04	4.25E-08	1.80E-08
5656	482706.71, 3853	1.44E-04	4.54E-08	1.93E-08	1.76E-04	5.57E-08	2.36E-08	1.55E-04	4.89E-08	2.07E-08
5657	482747.96, 3853	1.56E-04	4.94E-08	2.10E-08	1.92E-04	6.05E-08	2.57E-08	1.68E-04	5.31E-08	2.25E-08
5658	482789.21, 3853	1.73E-04	5.45E-08	2.31E-08	2.11E-04	6.67E-08	2.83E-08	1.86E-04	5.86E-08	2.49E-08
5659	482830.46, 3853	1.95E-04	6.17E-08	2.62E-08	2.39E-04	7.56E-08	3.21E-08	2.10E-04	6.63E-08	2.82E-08
5660	482871.71, 3853	2.32E-04	7.33E-08	3.11E-08	2.85E-04	8.98E-08	3.81E-08	2.50E-04	7.89E-08	3.35E-08
5661	482912.95, 3853	3.70E-04	1.17E-07	4.95E-08	4.53E-04	1.43E-07	6.07E-08	3.99E-04	1.26E-07	5.34E-08
5662	482954.2, 38536	1.13E-03	3.56E-07	1.51E-07	1.38E-03	4.37E-07	1.85E-07	1.22E-03	3.85E-07	1.63E-07
5663	482995.45, 3853	1.41E-03	4.44E-07	1.88E-07	1.72E-03	5.44E-07	2.31E-07	1.52E-03	4.79E-07	2.03E-07
5664	483036.7, 38537	1.42E-03	4.50E-07	1.91E-07	1.75E-03	5.51E-07	2.34E-07	1.54E-03	4.85E-07	2.06E-07
5665	483214.2, 38539	9.67E-04	3.05E-07	1.29E-07	1.18E-03	3.74E-07	1.59E-07	1.04E-03	3.29E-07	1.40E-07
5666	483307.01, 3853	8.37E-04	2.64E-07	1.12E-07	1.03E-03	3.24E-07	1.37E-07	9.02E-04	2.85E-07	1.21E-07
5667	483399.83, 3853	7.38E-04	2.33E-07	9.88E-08	9.04E-04	2.85E-07	1.21E-07	7.96E-04	2.51E-07	1.07E-07
5668	483494.52, 3854	7.43E-04	2.34E-07	9.95E-08	9.10E-04	2.87E-07	1.22E-07	8.01E-04	2.53E-07	1.07E-07
5669	483496.41, 3854	8.24E-04	2.60E-07	1.10E-07	1.01E-03	3.19E-07	1.35E-07	8.88E-04	2.80E-07	1.19E-07
5670	483577.56, 3854	9.17E-04	2.90E-07	1.23E-07	1.12E-03	3.55E-07	1.51E-07	9.88E-04	3.12E-07	1.32E-07
5671	483656.83, 3854	9.24E-04	2.92E-07	1.24E-07	1.13E-03	3.57E-07	1.52E-07	9.95E-04	3.14E-07	1.33E-07
5672	483736.1, 38543	9.50E-04	3.00E-07	1.27E-07	1.16E-03	3.68E-07	1.56E-07	1.02E-03	3.23E-07	1.37E-07
5673	483815.37, 3854	9.98E-04	3.15E-07	1.34E-07	1.22E-03	3.86E-07	1.64E-07	1.07E-03	3.39E-07	1.44E-07
5674	483894.63, 3854	1.07E-03	3.37E-07	1.43E-07	1.31E-03	4.13E-07	1.75E-07	1.15E-03	3.63E-07	1.54E-07
5675	483973.9, 38545	1.18E-03	3.73E-07	1.58E-07	1.45E-03	4.57E-07	1.94E-07	1.27E-03	4.02E-07	1.70E-07
5676	484053.17, 3854	1.42E-03	4.48E-07	1.90E-07	1.74E-03	5.49E-07	2.33E-07	1.53E-03	4.82E-07	2.05E-07
5677	484214.97, 3854	2.45E-03	7.73E-07	3.28E-07	3.00E-03	9.47E-07	4.02E-07	2.64E-03	8.32E-07	3.53E-07
5678	484297.5, 38547	3.19E-03	1.01E-06	4.27E-07	3.91E-03	1.23E-06	5.23E-07	3.43E-03	1.08E-06	4.60E-07
5679	484380.03, 3854	3.85E-03	1.22E-06	5.16E-07	4.72E-03	1.49E-06	6.32E-07	4.14E-03	1.31E-06	5.55E-07
5680	484462.56, 3854	4.98E-03	1.57E-06	6.67E-07	6.11E-03	1.93E-06	8.18E-07	5.35E-03	1.69E-06	7.17E-07

5681	484545.09, 3854	6.01E-03	1.90E-06	8.05E-07	7.37E-03	2.33E-06	9.87E-07	6.45E-03	2.04E-06	8.64E-07
5682	484691.88, 3854	7.41E-03	2.34E-06	9.92E-07	9.08E-03	2.87E-06	1.22E-06	7.94E-03	2.50E-06	1.06E-06
5683	484830.81, 3855	6.90E-03	2.18E-06	9.24E-07	8.46E-03	2.67E-06	1.13E-06	7.37E-03	2.33E-06	9.88E-07
5684	484905.48, 3855	6.92E-03	2.19E-06	9.27E-07	8.48E-03	2.68E-06	1.14E-06	7.41E-03	2.34E-06	9.93E-07
5685	484980.14, 3855	6.89E-03	2.17E-06	9.22E-07	8.44E-03	2.66E-06	1.13E-06	7.39E-03	2.33E-06	9.89E-07
5686	485054.81, 3855	6.80E-03	2.15E-06	9.10E-07	8.33E-03	2.63E-06	1.12E-06	7.30E-03	2.31E-06	9.78E-07
5687	485129.48, 3855	6.58E-03	2.08E-06	8.81E-07	8.06E-03	2.54E-06	1.08E-06	7.08E-03	2.24E-06	9.48E-07
5688	485204.15, 3855	6.71E-03	2.12E-06	8.98E-07	8.22E-03	2.59E-06	1.10E-06	7.22E-03	2.28E-06	9.67E-07
5689	485278.82, 3855	6.66E-03	2.10E-06	8.92E-07	8.16E-03	2.58E-06	1.09E-06	7.18E-03	2.27E-06	9.62E-07
5690	485353.48, 3855	6.69E-03	2.11E-06	8.96E-07	8.19E-03	2.59E-06	1.10E-06	7.21E-03	2.28E-06	9.66E-07
5691	485428.15, 3855	6.63E-03	2.09E-06	8.88E-07	8.12E-03	2.56E-06	1.09E-06	7.15E-03	2.26E-06	9.57E-07
5692	485502.82, 3855	6.60E-03	2.08E-06	8.84E-07	8.08E-03	2.55E-06	1.08E-06	7.12E-03	2.25E-06	9.53E-07
5693	485577.49, 3855	6.67E-03	2.11E-06	8.94E-07	8.17E-03	2.58E-06	1.09E-06	7.20E-03	2.27E-06	9.64E-07
5694	485652.16, 3855	6.71E-03	2.12E-06	8.99E-07	8.23E-03	2.60E-06	1.10E-06	7.25E-03	2.29E-06	9.70E-07
5695	485726.83, 3855	6.70E-03	2.11E-06	8.97E-07	8.20E-03	2.59E-06	1.10E-06	7.23E-03	2.28E-06	9.68E-07
5696	485801.49, 3855	6.63E-03	2.09E-06	8.88E-07	8.12E-03	2.56E-06	1.09E-06	7.15E-03	2.26E-06	9.58E-07
5697	485876.16, 3855	6.63E-03	2.09E-06	8.88E-07	8.13E-03	2.56E-06	1.09E-06	7.16E-03	2.26E-06	9.59E-07
5698	485950.83, 3855	6.59E-03	2.08E-06	8.83E-07	8.07E-03	2.55E-06	1.08E-06	7.11E-03	2.25E-06	9.53E-07
5699	486025.5, 38560	6.50E-03	2.05E-06	8.70E-07	7.96E-03	2.51E-06	1.07E-06	7.02E-03	2.21E-06	9.40E-07
5700	486100.17, 3856	6.64E-03	2.09E-06	8.89E-07	8.13E-03	2.57E-06	1.09E-06	7.16E-03	2.26E-06	9.59E-07
5701	486174.83, 3856	6.51E-03	2.05E-06	8.71E-07	7.97E-03	2.52E-06	1.07E-06	7.02E-03	2.22E-06	9.41E-07
5702	486249.5, 38562	6.19E-03	1.96E-06	8.30E-07	7.59E-03	2.39E-06	1.02E-06	6.69E-03	2.11E-06	8.95E-07
5703	486324.17, 3856	6.13E-03	1.93E-06	8.21E-07	7.51E-03	2.37E-06	1.01E-06	6.62E-03	2.09E-06	8.86E-07
5704	486398.84, 3856	6.35E-03	2.00E-06	8.50E-07	7.78E-03	2.45E-06	1.04E-06	6.86E-03	2.16E-06	9.18E-07
5705	486473.51, 3856	6.41E-03	2.02E-06	8.58E-07	7.85E-03	2.48E-06	1.05E-06	6.92E-03	2.18E-06	9.27E-07
5706	486548.17, 3856	6.52E-03	2.06E-06	8.73E-07	7.98E-03	2.52E-06	1.07E-06	7.03E-03	2.22E-06	9.42E-07
5707	486622.84, 3856	6.57E-03	2.07E-06	8.80E-07	8.05E-03	2.54E-06	1.08E-06	7.09E-03	2.24E-06	9.50E-07
5708	486765.48, 3856	6.62E-03	2.09E-06	8.86E-07	8.11E-03	2.56E-06	1.09E-06	7.14E-03	2.26E-06	9.57E-07
5709	486833.44, 3856	6.68E-03	2.11E-06	8.94E-07	8.18E-03	2.58E-06	1.10E-06	7.21E-03	2.27E-06	9.65E-07
5710	486901.41, 3856	6.67E-03	2.11E-06	8.94E-07	8.17E-03	2.58E-06	1.09E-06	7.20E-03	2.27E-06	9.64E-07
5711	486969.38, 3856	6.66E-03	2.10E-06	8.91E-07	8.15E-03	2.57E-06	1.09E-06	7.18E-03	2.27E-06	9.62E-07
5712	487037.34, 3856	6.59E-03	2.08E-06	8.83E-07	8.08E-03	2.55E-06	1.08E-06	7.11E-03	2.24E-06	9.52E-07
5713	487271.23, 3856	3.59E-03	1.13E-06	4.80E-07	4.39E-03	1.39E-06	5.88E-07	3.86E-03	1.22E-06	5.18E-07
5714	487368.96, 3856	3.13E-03	9.88E-07	4.19E-07	3.83E-03	1.21E-06	5.13E-07	3.37E-03	1.06E-06	4.52E-07
5715	487466.68, 3856	2.78E-03	8.76E-07	3.72E-07	3.40E-03	1.07E-06	4.55E-07	2.99E-03	9.43E-07	4.00E-07
5716	487636.44, 3856	2.40E-03	7.56E-07	3.21E-07	2.93E-03	9.26E-07	3.93E-07	2.57E-03	8.11E-07	3.44E-07
5717	487709.57, 3856	2.24E-03	7.07E-07	3.00E-07	2.74E-03	8.65E-07	3.67E-07	2.40E-03	7.58E-07	3.22E-07
5718	487782.55, 3856	2.05E-03	6.46E-07	2.74E-07	2.51E-03	7.92E-07	3.36E-07	2.20E-03	6.95E-07	2.95E-07
5719	487849.83, 3856	1.88E-03	5.94E-07	2.52E-07	2.30E-03	7.27E-07	3.09E-07	2.02E-03	6.39E-07	2.71E-07
5720	487918.03, 3856	1.84E-03	5.80E-07	2.46E-07	2.25E-03	7.10E-07	3.01E-07	1.97E-03	6.23E-07	2.64E-07
5721	487918.8, 38568	1.87E-03	5.92E-07	2.51E-07	2.30E-03	7.25E-07	3.07E-07	2.01E-03	6.35E-07	2.69E-07
5722	488065.47, 3857	1.84E-03	5.80E-07	2.46E-07	2.25E-03	7.10E-07	3.01E-07	1.95E-03	6.17E-07	2.62E-07
5723	488192.19, 3857	1.80E-03	5.67E-07	2.41E-07	2.20E-03	6.95E-07	2.95E-07	1.91E-03	6.03E-07	2.56E-07
5724	488191.22, 3857	1.83E-03	5.79E-07	2.46E-07	2.25E-03	7.09E-07	3.01E-07	1.95E-03	6.16E-07	2.62E-07
5725	488190.24, 3857	1.87E-03	5.91E-07	2.51E-07	2.29E-03	7.24E-07	3.07E-07	2.00E-03	6.31E-07	2.68E-07
5726	488158.35, 3857	1.99E-03	6.27E-07	2.66E-07	2.43E-03	7.67E-07	3.26E-07	2.13E-03	6.71E-07	2.85E-07
5727	488208.37, 3857	1.76E-03	5.56E-07	2.36E-07	2.16E-03	6.81E-07	2.89E-07	1.89E-03	5.97E-07	2.53E-07
5728	488271.97, 3857	1.56E-03	4.93E-07	2.09E-07	1.91E-03	6.04E-07	2.56E-07	1.68E-03	5.29E-07	2.25E-07
5729	488463.56, 3857	1.26E-03	3.99E-07	1.69E-07	1.55E-03	4.89E-07	2.07E-07	1.36E-03	4.28E-07	1.82E-07
5730	488554.83, 3857	1.19E-03	3.75E-07	1.59E-07	1.45E-03	4.59E-07	1.95E-07	1.27E-03	4.02E-07	1.71E-07
5731	488646.1, 38579	1.12E-03	3.53E-07	1.50E-07	1.37E-03	4.33E-07	1.84E-07	1.20E-03	3.79E-07	1.61E-07
5732	488737.37, 3857	1.06E-03	3.35E-07	1.42E-07	1.30E-03	4.10E-07	1.74E-07	1.14E-03	3.59E-07	1.52E-07
5733	488733.59, 3857	1.05E-03	3.33E-07	1.41E-07	1.29E-03	4.07E-07	1.73E-07	1.13E-03	3.57E-07	1.51E-07
5734	488638.09, 3857	1.11E-03	3.52E-07	1.49E-07	1.36E-03	4.31E-07	1.83E-07	1.20E-03	3.78E-07	1.60E-07
5735	488542.6, 38579	1.18E-03	3.74E-07	1.59E-07	1.45E-03	4.58E-07	1.94E-07	1.27E-03	4.01E-07	1.70E-07
5736	488447.1, 38579	1.27E-03	4.00E-07	1.70E-07	1.55E-03	4.89E-07	2.08E-07	1.36E-03	4.29E-07	1.82E-07
5737	488254.28, 3857	1.57E-03	4.95E-07	2.10E-07	1.92E-03	6.06E-07	2.57E-07	1.68E-03	5.32E-07	2.26E-07
5738	488191.69, 3857	1.77E-03	5.60E-07	2.38E-07	2.17E-03	6.86E-07	2.91E-07	1.90E-03	6.01E-07	2.55E-07

5739	488129.5, 38579	1.77E-03	5.58E-07	2.37E-07	2.16E-03	6.82E-07	2.90E-07	1.90E-03	5.99E-07	2.54E-07
5740	488196.47, 3857	1.56E-03	4.92E-07	2.09E-07	1.91E-03	6.02E-07	2.55E-07	1.67E-03	5.28E-07	2.24E-07
5741	488263.44, 3858	1.43E-03	4.50E-07	1.91E-07	1.75E-03	5.51E-07	2.34E-07	1.53E-03	4.84E-07	2.05E-07
5742	488400.64, 3858	1.28E-03	4.04E-07	1.71E-07	1.57E-03	4.94E-07	2.10E-07	1.38E-03	4.34E-07	1.84E-07
5743	488519.89, 3858	1.23E-03	3.87E-07	1.64E-07	1.50E-03	4.74E-07	2.01E-07	1.32E-03	4.16E-07	1.77E-07
5744	488647.97, 3858	1.09E-03	3.45E-07	1.46E-07	1.34E-03	4.23E-07	1.79E-07	1.18E-03	3.71E-07	1.58E-07
5745	488727.05, 3858	1.02E-03	3.22E-07	1.37E-07	1.25E-03	3.95E-07	1.68E-07	1.10E-03	3.47E-07	1.47E-07
5746	488806.12, 3858	9.73E-04	3.07E-07	1.30E-07	1.19E-03	3.76E-07	1.60E-07	1.05E-03	3.30E-07	1.40E-07
5747	488885.2, 38580	9.40E-04	2.97E-07	1.26E-07	1.15E-03	3.63E-07	1.54E-07	1.01E-03	3.19E-07	1.35E-07
5748	489055.76, 3857	8.87E-04	2.80E-07	1.19E-07	1.09E-03	3.43E-07	1.46E-07	9.52E-04	3.01E-07	1.28E-07
5749	489245.39, 3857	8.34E-04	2.63E-07	1.12E-07	1.02E-03	3.22E-07	1.37E-07	8.94E-04	2.82E-07	1.20E-07
5750	489430.63, 3857	7.78E-04	2.46E-07	1.04E-07	9.53E-04	3.01E-07	1.28E-07	8.35E-04	2.63E-07	1.12E-07
5751	489517.74, 3857	7.54E-04	2.38E-07	1.01E-07	9.23E-04	2.91E-07	1.24E-07	8.08E-04	2.55E-07	1.08E-07
5752	489604.86, 3857	7.30E-04	2.30E-07	9.78E-08	8.94E-04	2.82E-07	1.20E-07	7.83E-04	2.47E-07	1.05E-07
5753	489691.97, 3857	7.08E-04	2.23E-07	9.48E-08	8.67E-04	2.74E-07	1.16E-07	7.59E-04	2.40E-07	1.02E-07
5754	489779.08, 3857	6.87E-04	2.17E-07	9.20E-08	8.41E-04	2.66E-07	1.13E-07	7.37E-04	2.32E-07	9.86E-08
5755	490017.55, 3857	6.43E-04	2.03E-07	8.61E-08	7.87E-04	2.48E-07	1.05E-07	6.89E-04	2.17E-07	9.23E-08
5756	490033.82, 3857	6.25E-04	1.97E-07	8.36E-08	7.65E-04	2.41E-07	1.02E-07	6.70E-04	2.11E-07	8.97E-08
5757	489959.15, 3857	6.35E-04	2.00E-07	8.51E-08	7.78E-04	2.46E-07	1.04E-07	6.81E-04	2.15E-07	9.12E-08
5758	489791.49, 3858	6.66E-04	2.10E-07	8.92E-08	8.16E-04	2.57E-07	1.09E-07	7.15E-04	2.26E-07	9.57E-08
5759	489698.51, 3858	6.87E-04	2.17E-07	9.20E-08	8.42E-04	2.66E-07	1.13E-07	7.37E-04	2.33E-07	9.87E-08
5760	489605.52, 3858	7.10E-04	2.24E-07	9.50E-08	8.69E-04	2.74E-07	1.16E-07	7.61E-04	2.40E-07	1.02E-07
5761	489512.53, 3858	7.34E-04	2.32E-07	9.82E-08	8.98E-04	2.84E-07	1.20E-07	7.87E-04	2.48E-07	1.05E-07
5762	489419.55, 3858	7.59E-04	2.39E-07	1.02E-07	9.29E-04	2.93E-07	1.24E-07	8.14E-04	2.57E-07	1.09E-07
5763	489228.47, 3858	8.13E-04	2.57E-07	1.09E-07	9.96E-04	3.14E-07	1.33E-07	8.73E-04	2.75E-07	1.17E-07
5764	489065.75, 3858	8.59E-04	2.71E-07	1.15E-07	1.05E-03	3.32E-07	1.41E-07	9.23E-04	2.91E-07	1.24E-07
5765	489001.12, 3858	8.79E-04	2.78E-07	1.18E-07	1.08E-03	3.40E-07	1.44E-07	9.45E-04	2.98E-07	1.27E-07
5766	488861.89, 3858	9.41E-04	2.97E-07	1.26E-07	1.15E-03	3.64E-07	1.54E-07	1.01E-03	3.19E-07	1.35E-07
5767	488787.29, 3858	9.95E-04	3.14E-07	1.33E-07	1.22E-03	3.85E-07	1.63E-07	1.07E-03	3.38E-07	1.43E-07
5768	488712.68, 3858	1.07E-03	3.39E-07	1.44E-07	1.31E-03	4.15E-07	1.76E-07	1.16E-03	3.65E-07	1.55E-07
5769	488654.39, 3858	1.36E-03	4.28E-07	1.82E-07	1.66E-03	5.25E-07	2.23E-07	1.46E-03	4.62E-07	1.96E-07
5770	488726.31, 3858	1.37E-03	4.34E-07	1.84E-07	1.68E-03	5.31E-07	2.25E-07	1.48E-03	4.68E-07	1.98E-07
5771	488880.6, 38585	1.27E-03	4.01E-07	1.70E-07	1.55E-03	4.91E-07	2.08E-07	1.37E-03	4.32E-07	1.83E-07
5772	489008.06, 3858	1.25E-03	3.96E-07	1.68E-07	1.54E-03	4.85E-07	2.06E-07	1.35E-03	4.27E-07	1.81E-07
5773	489071.48, 3858	1.19E-03	3.77E-07	1.60E-07	1.46E-03	4.62E-07	1.96E-07	1.29E-03	4.07E-07	1.73E-07
5774	489244.6, 38589	6.64E-04	2.10E-07	8.90E-08	8.14E-04	2.57E-07	1.09E-07	7.16E-04	2.26E-07	9.59E-08
5775	489239.69, 3858	6.05E-04	1.91E-07	8.11E-08	7.42E-04	2.34E-07	9.93E-08	6.52E-04	2.06E-07	8.73E-08
5776	489121.67, 3858	9.96E-04	3.14E-07	1.33E-07	1.22E-03	3.85E-07	1.63E-07	1.07E-03	3.39E-07	1.44E-07
5777	489059.59, 3858	1.25E-03	3.94E-07	1.67E-07	1.53E-03	4.83E-07	2.05E-07	1.35E-03	4.25E-07	1.80E-07
5778	488997.52, 3858	1.34E-03	4.23E-07	1.79E-07	1.64E-03	5.18E-07	2.20E-07	1.45E-03	4.56E-07	1.94E-07
5779	488935.44, 3858	1.35E-03	4.27E-07	1.81E-07	1.66E-03	5.23E-07	2.22E-07	1.46E-03	4.61E-07	1.95E-07
5780	488869.17, 3858	3.28E-03	1.04E-06	4.39E-07	4.02E-03	1.27E-06	5.38E-07	3.54E-03	1.12E-06	4.74E-07
5781	488932.48, 3858	1.58E-03	5.00E-07	2.12E-07	1.94E-03	6.13E-07	2.60E-07	1.71E-03	5.40E-07	2.29E-07
5782	489063.27, 3858	6.20E-04	1.96E-07	8.30E-08	7.59E-04	2.40E-07	1.02E-07	6.68E-04	2.11E-07	8.94E-08
5783	489248.2, 38591	3.68E-04	1.16E-07	4.92E-08	4.50E-04	1.42E-07	6.03E-08	3.96E-04	1.25E-07	5.30E-08
5784	489296.25, 3859	4.39E-04	1.38E-07	5.87E-08	5.37E-04	1.70E-07	7.19E-08	4.72E-04	1.49E-07	6.32E-08
5785	489353.38, 3858	4.95E-04	1.56E-07	6.62E-08	6.06E-04	1.91E-07	8.11E-08	5.33E-04	1.68E-07	7.13E-08
5786	489537.25, 3859	3.53E-04	1.12E-07	4.73E-08	4.33E-04	1.37E-07	5.80E-08	3.80E-04	1.20E-07	5.09E-08
5787	489726.98, 3859	2.82E-04	8.89E-08	3.77E-08	3.45E-04	1.09E-07	4.62E-08	3.03E-04	9.56E-08	4.06E-08
5788	489911.46, 3859	2.39E-04	7.54E-08	3.20E-08	2.93E-04	9.24E-08	3.92E-08	2.57E-04	8.11E-08	3.44E-08
5789	490035.3, 38594	2.21E-04	6.96E-08	2.95E-08	2.70E-04	8.53E-08	3.62E-08	2.37E-04	7.48E-08	3.17E-08
5790	490101.11, 3859	2.14E-04	6.74E-08	2.86E-08	2.62E-04	8.25E-08	3.50E-08	2.29E-04	7.24E-08	3.07E-08
5791	490312.68, 3859	1.92E-04	6.06E-08	2.57E-08	2.35E-04	7.43E-08	3.15E-08	2.06E-04	6.52E-08	2.76E-08
5792	490401.63, 3859	1.85E-04	5.83E-08	2.47E-08	2.26E-04	7.13E-08	3.03E-08	1.98E-04	6.26E-08	2.66E-08
5793	490490.57, 3859	1.78E-04	5.61E-08	2.38E-08	2.18E-04	6.87E-08	2.92E-08	1.91E-04	6.03E-08	2.56E-08
5794	490579.51, 3859	1.72E-04	5.42E-08	2.30E-08	2.10E-04	6.63E-08	2.81E-08	1.84E-04	5.82E-08	2.47E-08
5795	490668.45, 3859	1.66E-04	5.25E-08	2.23E-08	2.04E-04	6.43E-08	2.73E-08	1.79E-04	5.64E-08	2.39E-08
5796	490757.4, 38597	1.61E-04	5.07E-08	2.15E-08	1.97E-04	6.20E-08	2.63E-08	1.72E-04	5.44E-08	2.31E-08

5797	491003.53, 3859	1.50E-04	4.75E-08	2.01E-08	1.84E-04	5.81E-08	2.47E-08	1.62E-04	5.10E-08	2.16E-08
5798	491081.41, 3859	1.48E-04	4.68E-08	1.99E-08	1.82E-04	5.73E-08	2.43E-08	1.59E-04	5.03E-08	2.13E-08
5799	491229.76, 3859	1.44E-04	4.54E-08	1.93E-08	1.76E-04	5.56E-08	2.36E-08	1.55E-04	4.88E-08	2.07E-08
5800	491300.22, 3859	1.41E-04	4.47E-08	1.89E-08	1.73E-04	5.47E-08	2.32E-08	1.52E-04	4.80E-08	2.04E-08
5801	491350.49, 3860	1.34E-04	4.22E-08	1.79E-08	1.64E-04	5.17E-08	2.19E-08	1.44E-04	4.53E-08	1.92E-08
5802	491406.82, 3860	1.26E-04	3.98E-08	1.69E-08	1.55E-04	4.88E-08	2.07E-08	1.36E-04	4.28E-08	1.82E-08
5803	491483.37, 3860	1.24E-04	3.91E-08	1.66E-08	1.52E-04	4.79E-08	2.03E-08	1.33E-04	4.20E-08	1.78E-08
5804	491559.91, 3860	1.22E-04	3.84E-08	1.63E-08	1.49E-04	4.71E-08	2.00E-08	1.31E-04	4.13E-08	1.75E-08
5805	491711.81, 3860	1.18E-04	3.74E-08	1.59E-08	1.45E-04	4.58E-08	1.94E-08	1.27E-04	4.01E-08	1.70E-08
5806	491755.2, 38603	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.22E-08	1.79E-08	1.17E-04	3.70E-08	1.57E-08
5807	491704.71, 3860	1.06E-04	3.35E-08	1.42E-08	1.30E-04	4.11E-08	1.74E-08	1.14E-04	3.60E-08	1.53E-08
5808	491623.43, 3860	1.00E-04	3.16E-08	1.34E-08	1.23E-04	3.88E-08	1.64E-08	1.08E-04	3.40E-08	1.44E-08
5809	491534.02, 3860	1.05E-04	3.31E-08	1.40E-08	1.28E-04	4.05E-08	1.72E-08	1.12E-04	3.55E-08	1.51E-08
5810	491313.95, 3860	1.11E-04	3.51E-08	1.49E-08	1.36E-04	4.30E-08	1.82E-08	1.19E-04	3.77E-08	1.60E-08
5811	491187.12, 3860	1.21E-04	3.82E-08	1.62E-08	1.48E-04	4.68E-08	1.99E-08	1.30E-04	4.11E-08	1.74E-08
5812	491070.43, 3860	1.27E-04	4.02E-08	1.70E-08	1.56E-04	4.92E-08	2.09E-08	1.37E-04	4.31E-08	1.83E-08
5813	490995.09, 3860	1.31E-04	4.12E-08	1.75E-08	1.60E-04	5.05E-08	2.14E-08	1.40E-04	4.43E-08	1.88E-08
5814	490919.75, 3860	1.34E-04	4.23E-08	1.80E-08	1.64E-04	5.18E-08	2.20E-08	1.44E-04	4.55E-08	1.93E-08
5815	490756.81, 3859	1.46E-04	4.61E-08	1.95E-08	1.79E-04	5.64E-08	2.39E-08	1.57E-04	4.95E-08	2.10E-08
5816	490668.07, 3859	1.49E-04	4.71E-08	2.00E-08	1.83E-04	5.77E-08	2.45E-08	1.60E-04	5.06E-08	2.15E-08
5817	490579.34, 3859	1.53E-04	4.83E-08	2.05E-08	1.88E-04	5.92E-08	2.51E-08	1.64E-04	5.19E-08	2.20E-08
5818	490490.6, 38597	1.57E-04	4.95E-08	2.10E-08	1.92E-04	6.06E-08	2.57E-08	1.68E-04	5.31E-08	2.25E-08
5819	490401.86, 3859	1.61E-04	5.07E-08	2.15E-08	1.97E-04	6.21E-08	2.63E-08	1.73E-04	5.45E-08	2.31E-08
5820	490313.12, 3859	1.65E-04	5.21E-08	2.21E-08	2.02E-04	6.39E-08	2.71E-08	1.78E-04	5.60E-08	2.38E-08
5821	490224.39, 3859	1.70E-04	5.37E-08	2.28E-08	2.09E-04	6.58E-08	2.79E-08	1.83E-04	5.77E-08	2.45E-08
5822	490135.65, 3859	1.76E-04	5.55E-08	2.36E-08	2.15E-04	6.80E-08	2.89E-08	1.89E-04	5.97E-08	2.53E-08
5823	489918.19, 3859	1.94E-04	6.13E-08	2.60E-08	2.38E-04	7.50E-08	3.18E-08	2.09E-04	6.58E-08	2.79E-08
5824	489743.61, 3859	2.10E-04	6.63E-08	2.81E-08	2.57E-04	8.12E-08	3.44E-08	2.26E-04	7.12E-08	3.02E-08
5825	489660.32, 3859	2.21E-04	6.97E-08	2.96E-08	2.70E-04	8.53E-08	3.62E-08	2.37E-04	7.49E-08	3.18E-08
5826	489577.04, 3859	2.33E-04	7.36E-08	3.12E-08	2.85E-04	9.01E-08	3.82E-08	2.51E-04	7.91E-08	3.35E-08
5827	489493.75, 3859	2.47E-04	7.80E-08	3.31E-08	3.03E-04	9.55E-08	4.05E-08	2.65E-04	8.38E-08	3.56E-08
5828	489321.28, 3859	2.89E-04	9.14E-08	3.88E-08	3.55E-04	1.12E-07	4.75E-08	3.11E-04	9.82E-08	4.17E-08
5829	489235.41, 3859	3.15E-04	9.93E-08	4.22E-08	3.86E-04	1.22E-07	5.16E-08	3.39E-04	1.07E-07	4.53E-08
5830	489149.54, 3859	3.46E-04	1.09E-07	4.63E-08	4.24E-04	1.34E-07	5.67E-08	3.72E-04	1.17E-07	4.98E-08
5831	489063.68, 3859	3.88E-04	1.22E-07	5.19E-08	4.75E-04	1.50E-07	6.36E-08	4.17E-04	1.32E-07	5.59E-08
5832	488977.81, 3859	4.44E-04	1.40E-07	5.95E-08	5.44E-04	1.72E-07	7.29E-08	4.79E-04	1.51E-07	6.41E-08
5833	488891.94, 3859	5.20E-04	1.64E-07	6.97E-08	6.37E-04	2.01E-07	8.53E-08	5.60E-04	1.77E-07	7.50E-08
5834	488808, 385906(	4.29E-04	1.35E-07	5.74E-08	5.25E-04	1.66E-07	7.03E-08	4.61E-04	1.46E-07	6.18E-08
5835	488809.93, 3859	3.38E-04	1.07E-07	4.52E-08	4.14E-04	1.31E-07	5.54E-08	3.63E-04	1.15E-07	4.87E-08
5836	488811.86, 3859	2.84E-04	8.97E-08	3.80E-08	3.48E-04	1.10E-07	4.66E-08	3.06E-04	9.64E-08	4.09E-08
5837	488813.78, 3859	2.47E-04	7.81E-08	3.31E-08	3.03E-04	9.56E-08	4.06E-08	2.66E-04	8.40E-08	3.56E-08
5838	488815.71, 3859	2.21E-04	6.97E-08	2.96E-08	2.70E-04	8.54E-08	3.62E-08	2.37E-04	7.49E-08	3.18E-08
5839	488910.04, 3859	2.00E-04	6.33E-08	2.68E-08	2.46E-04	7.75E-08	3.29E-08	2.15E-04	6.80E-08	2.89E-08
5840	489002.45, 3859	2.02E-04	6.36E-08	2.70E-08	2.47E-04	7.80E-08	3.31E-08	2.17E-04	6.84E-08	2.90E-08
5841	489094.85, 3859	2.03E-04	6.40E-08	2.72E-08	2.49E-04	7.84E-08	3.33E-08	2.18E-04	6.88E-08	2.92E-08
5842	489230.05, 3859	1.94E-04	6.14E-08	2.60E-08	2.38E-04	7.52E-08	3.19E-08	2.09E-04	6.60E-08	2.80E-08
5843	489227.52, 3859	1.81E-04	5.71E-08	2.42E-08	2.22E-04	7.00E-08	2.97E-08	1.94E-04	6.14E-08	2.60E-08
5844	489133.47, 3859	1.68E-04	5.31E-08	2.25E-08	2.06E-04	6.51E-08	2.76E-08	1.81E-04	5.71E-08	2.42E-08
5845	489041.96, 3859	1.68E-04	5.29E-08	2.24E-08	2.05E-04	6.48E-08	2.75E-08	1.80E-04	5.68E-08	2.41E-08
5846	488950.45, 3859	1.67E-04	5.26E-08	2.23E-08	2.04E-04	6.44E-08	2.73E-08	1.79E-04	5.65E-08	2.40E-08
5847	488858.94, 3859	1.66E-04	5.23E-08	2.22E-08	2.03E-04	6.41E-08	2.72E-08	1.78E-04	5.62E-08	2.39E-08
5848	488767.43, 3859	1.65E-04	5.20E-08	2.20E-08	2.02E-04	6.36E-08	2.70E-08	1.77E-04	5.58E-08	2.37E-08
5849	488675.92, 3859	1.64E-04	5.18E-08	2.20E-08	2.01E-04	6.34E-08	2.69E-08	1.76E-04	5.56E-08	2.36E-08
5850	488584.41, 3859	1.63E-04	5.15E-08	2.18E-08	2.00E-04	6.30E-08	2.67E-08	1.75E-04	5.53E-08	2.35E-08
5851	488492.9, 38597	1.62E-04	5.12E-08	2.17E-08	1.99E-04	6.27E-08	2.66E-08	1.74E-04	5.50E-08	2.33E-08
5852	488402.76, 3859	1.54E-04	4.85E-08	2.06E-08	1.88E-04	5.94E-08	2.52E-08	1.65E-04	5.21E-08	2.21E-08
5853	488404.14, 3859	1.46E-04	4.60E-08	1.95E-08	1.79E-04	5.64E-08	2.39E-08	1.57E-04	4.95E-08	2.10E-08
5854	488505.18, 3859	1.40E-04	4.42E-08	1.87E-08	1.71E-04	5.41E-08	2.30E-08	1.50E-04	4.75E-08	2.01E-08

5855	488604.85, 3859	1.41E-04	4.44E-08	1.88E-08	1.72E-04	5.44E-08	2.31E-08	1.51E-04	4.77E-08	2.02E-08
5856	488704.51, 3859	1.42E-04	4.47E-08	1.90E-08	1.73E-04	5.47E-08	2.32E-08	1.52E-04	4.80E-08	2.04E-08
5857	488804.18, 3859	1.43E-04	4.50E-08	1.91E-08	1.75E-04	5.51E-08	2.34E-08	1.53E-04	4.83E-08	2.05E-08
5858	488903.85, 3859	1.44E-04	4.53E-08	1.92E-08	1.76E-04	5.55E-08	2.36E-08	1.54E-04	4.87E-08	2.07E-08
5859	489003.52, 3859	1.45E-04	4.56E-08	1.94E-08	1.77E-04	5.59E-08	2.37E-08	1.55E-04	4.90E-08	2.08E-08
5860	489103.18, 3859	1.45E-04	4.58E-08	1.95E-08	1.78E-04	5.62E-08	2.38E-08	1.56E-04	4.93E-08	2.09E-08
5861	489201.48, 3860	1.38E-04	4.34E-08	1.84E-08	1.69E-04	5.32E-08	2.26E-08	1.48E-04	4.66E-08	1.98E-08
5862	489200.11, 3860	1.30E-04	4.10E-08	1.74E-08	1.59E-04	5.02E-08	2.13E-08	1.39E-04	4.40E-08	1.87E-08
5863	489198.74, 3860	1.23E-04	3.87E-08	1.64E-08	1.50E-04	4.75E-08	2.01E-08	1.32E-04	4.16E-08	1.77E-08
5864	489197.38, 3860	1.16E-04	3.67E-08	1.56E-08	1.42E-04	4.49E-08	1.91E-08	1.25E-04	3.94E-08	1.67E-08
5865	489196.01, 3860	1.11E-04	3.49E-08	1.48E-08	1.35E-04	4.27E-08	1.81E-08	1.19E-04	3.75E-08	1.59E-08
5866	489194.64, 3860	1.05E-04	3.31E-08	1.41E-08	1.29E-04	4.06E-08	1.72E-08	1.13E-04	3.56E-08	1.51E-08
5867	489193.27, 3860	1.00E-04	3.16E-08	1.34E-08	1.23E-04	3.87E-08	1.64E-08	1.08E-04	3.39E-08	1.44E-08
5868	489092.02, 3860	9.50E-05	3.00E-08	1.27E-08	1.16E-04	3.67E-08	1.56E-08	1.02E-04	3.22E-08	1.37E-08
5869	488992.13, 3860	9.43E-05	2.98E-08	1.26E-08	1.15E-04	3.64E-08	1.55E-08	1.01E-04	3.20E-08	1.36E-08
5870	488892.25, 3860	9.38E-05	2.96E-08	1.26E-08	1.15E-04	3.63E-08	1.54E-08	1.01E-04	3.18E-08	1.35E-08
5871	488792.36, 3860	9.34E-05	2.95E-08	1.25E-08	1.14E-04	3.61E-08	1.53E-08	1.00E-04	3.17E-08	1.34E-08
5872	488692.48, 3860	9.32E-05	2.94E-08	1.25E-08	1.14E-04	3.60E-08	1.53E-08	1.00E-04	3.16E-08	1.34E-08
5873	488592.59, 3860	9.28E-05	2.93E-08	1.24E-08	1.14E-04	3.59E-08	1.52E-08	9.97E-05	3.15E-08	1.34E-08
5874	488492.71, 3860	9.33E-05	2.94E-08	1.25E-08	1.14E-04	3.61E-08	1.53E-08	1.00E-04	3.16E-08	1.34E-08
5875	488299.07, 3860	9.19E-05	2.90E-08	1.23E-08	1.13E-04	3.55E-08	1.51E-08	9.87E-05	3.12E-08	1.32E-08
5876	488205.32, 3860	9.13E-05	2.88E-08	1.22E-08	1.12E-04	3.53E-08	1.50E-08	9.81E-05	3.09E-08	1.31E-08
5877	488111.56, 3860	9.04E-05	2.85E-08	1.21E-08	1.11E-04	3.49E-08	1.48E-08	9.71E-05	3.06E-08	1.30E-08
5878	488017.81, 3860	8.95E-05	2.82E-08	1.20E-08	1.10E-04	3.46E-08	1.47E-08	9.61E-05	3.03E-08	1.29E-08
5879	487924.06, 3860	8.88E-05	2.80E-08	1.19E-08	1.09E-04	3.43E-08	1.46E-08	9.54E-05	3.01E-08	1.28E-08
5880	487830.31, 3860	8.83E-05	2.79E-08	1.18E-08	1.08E-04	3.41E-08	1.45E-08	9.49E-05	2.99E-08	1.27E-08
5881	487736.55, 3860	8.80E-05	2.78E-08	1.18E-08	1.08E-04	3.40E-08	1.44E-08	9.46E-05	2.99E-08	1.27E-08
5882	487642.8, 38607	8.81E-05	2.78E-08	1.18E-08	1.08E-04	3.41E-08	1.45E-08	9.47E-05	2.99E-08	1.27E-08
5883	487549.48, 3860	9.20E-05	2.90E-08	1.23E-08	1.13E-04	3.56E-08	1.51E-08	9.89E-05	3.12E-08	1.32E-08
5884	487549.91, 3860	9.55E-05	3.01E-08	1.28E-08	1.17E-04	3.69E-08	1.57E-08	1.03E-04	3.24E-08	1.37E-08
5885	487550.34, 3860	9.98E-05	3.15E-08	1.34E-08	1.22E-04	3.86E-08	1.64E-08	1.07E-04	3.38E-08	1.44E-08
5886	487550.76, 3860	1.05E-04	3.30E-08	1.40E-08	1.28E-04	4.04E-08	1.71E-08	1.12E-04	3.55E-08	1.50E-08
5887	487551.19, 3860	1.09E-04	3.45E-08	1.46E-08	1.34E-04	4.23E-08	1.79E-08	1.17E-04	3.71E-08	1.57E-08
5888	487551.62, 3860	1.15E-04	3.62E-08	1.54E-08	1.40E-04	4.43E-08	1.88E-08	1.23E-04	3.89E-08	1.65E-08
5889	487552.05, 3860	1.21E-04	3.83E-08	1.62E-08	1.48E-04	4.69E-08	1.99E-08	1.30E-04	4.11E-08	1.74E-08
5890	487552.48, 3860	1.28E-04	4.04E-08	1.71E-08	1.57E-04	4.95E-08	2.10E-08	1.38E-04	4.34E-08	1.84E-08
5891	487552.91, 3859	1.34E-04	4.24E-08	1.80E-08	1.65E-04	5.19E-08	2.20E-08	1.44E-04	4.56E-08	1.93E-08
5892	487553.33, 3859	1.43E-04	4.51E-08	1.91E-08	1.75E-04	5.52E-08	2.34E-08	1.53E-04	4.84E-08	2.05E-08
5893	487553.76, 3859	1.51E-04	4.77E-08	2.02E-08	1.85E-04	5.84E-08	2.48E-08	1.62E-04	5.12E-08	2.17E-08
5894	487554.19, 3859	1.60E-04	5.06E-08	2.15E-08	1.96E-04	6.20E-08	2.63E-08	1.72E-04	5.44E-08	2.31E-08
5895	487460.2, 38595	1.69E-04	5.33E-08	2.26E-08	2.07E-04	6.53E-08	2.77E-08	1.82E-04	5.73E-08	2.43E-08
5896	487365.78, 3859	1.68E-04	5.29E-08	2.25E-08	2.05E-04	6.48E-08	2.75E-08	1.80E-04	5.69E-08	2.41E-08
5897	487271.36, 3859	1.66E-04	5.25E-08	2.23E-08	2.04E-04	6.43E-08	2.73E-08	1.79E-04	5.64E-08	2.39E-08
5898	487176.94, 3859	1.65E-04	5.21E-08	2.21E-08	2.02E-04	6.38E-08	2.71E-08	1.77E-04	5.60E-08	2.37E-08
5899	487082.51, 3859	1.64E-04	5.17E-08	2.20E-08	2.01E-04	6.34E-08	2.69E-08	1.76E-04	5.56E-08	2.36E-08
5900	486988.09, 3859	1.63E-04	5.14E-08	2.18E-08	1.99E-04	6.29E-08	2.67E-08	1.75E-04	5.52E-08	2.34E-08
5901	486893.67, 3859	1.62E-04	5.10E-08	2.16E-08	1.98E-04	6.25E-08	2.65E-08	1.74E-04	5.48E-08	2.33E-08
5902	486799.25, 3859	1.61E-04	5.07E-08	2.15E-08	1.97E-04	6.20E-08	2.63E-08	1.72E-04	5.44E-08	2.31E-08
5903	486704.83, 3859	1.59E-04	5.03E-08	2.13E-08	1.95E-04	6.16E-08	2.61E-08	1.71E-04	5.40E-08	2.29E-08
5904	486610.41, 3859	1.58E-04	5.00E-08	2.12E-08	1.94E-04	6.12E-08	2.60E-08	1.70E-04	5.37E-08	2.28E-08
5905	486515.99, 3859	1.57E-04	4.95E-08	2.10E-08	1.92E-04	6.06E-08	2.57E-08	1.68E-04	5.31E-08	2.25E-08
5906	486421.57, 3859	1.55E-04	4.90E-08	2.08E-08	1.90E-04	6.00E-08	2.55E-08	1.67E-04	5.26E-08	2.23E-08
5907	486327.14, 3859	1.54E-04	4.87E-08	2.07E-08	1.89E-04	5.96E-08	2.53E-08	1.66E-04	5.23E-08	2.22E-08
5908	486232.72, 3859	1.53E-04	4.82E-08	2.04E-08	1.87E-04	5.90E-08	2.50E-08	1.64E-04	5.17E-08	2.20E-08
5909	486138.3, 38595	1.51E-04	4.77E-08	2.03E-08	1.85E-04	5.85E-08	2.48E-08	1.62E-04	5.12E-08	2.17E-08
5910	486043.88, 3859	1.50E-04	4.72E-08	2.00E-08	1.83E-04	5.78E-08	2.45E-08	1.61E-04	5.07E-08	2.15E-08
5911	485949.35, 3859	1.55E-04	4.89E-08	2.08E-08	1.90E-04	5.99E-08	2.54E-08	1.66E-04	5.25E-08	2.23E-08
5912	485949.24, 3859	1.63E-04	5.14E-08	2.18E-08	1.99E-04	6.29E-08	2.67E-08	1.75E-04	5.51E-08	2.34E-08

5913	485949.12, 3859	1.71E-04	5.40E-08	2.29E-08	2.10E-04	6.62E-08	2.81E-08	1.84E-04	5.80E-08	2.46E-08
5914	485949.01, 3859	1.80E-04	5.69E-08	2.41E-08	2.21E-04	6.96E-08	2.95E-08	1.93E-04	6.10E-08	2.59E-08
5915	485948.9, 38590	1.90E-04	6.00E-08	2.55E-08	2.33E-04	7.35E-08	3.12E-08	2.04E-04	6.45E-08	2.73E-08
5916	485948.79, 3858	2.00E-04	6.32E-08	2.68E-08	2.45E-04	7.74E-08	3.29E-08	2.15E-04	6.79E-08	2.88E-08
5917	485948.67, 3858	2.11E-04	6.67E-08	2.83E-08	2.59E-04	8.16E-08	3.46E-08	2.27E-04	7.16E-08	3.04E-08
5918	485948.56, 3858	2.24E-04	7.08E-08	3.00E-08	2.75E-04	8.67E-08	3.68E-08	2.41E-04	7.60E-08	3.22E-08
5919	485948.45, 3858	2.37E-04	7.47E-08	3.17E-08	2.90E-04	9.14E-08	3.88E-08	2.54E-04	8.02E-08	3.40E-08
5920	485948.34, 3858	2.52E-04	7.94E-08	3.37E-08	3.08E-04	9.72E-08	4.13E-08	2.70E-04	8.52E-08	3.62E-08
5921	485948.22, 3858	2.68E-04	8.45E-08	3.58E-08	3.28E-04	1.03E-07	4.39E-08	2.87E-04	9.07E-08	3.85E-08
5922	485948.11, 3858	2.85E-04	8.98E-08	3.81E-08	3.48E-04	1.10E-07	4.67E-08	3.05E-04	9.64E-08	4.09E-08
5923	485948, 385832	3.04E-04	9.61E-08	4.08E-08	3.73E-04	1.18E-07	4.99E-08	3.27E-04	1.03E-07	4.38E-08
5924	485947.89, 3858	3.25E-04	1.02E-07	4.35E-08	3.98E-04	1.26E-07	5.33E-08	3.49E-04	1.10E-07	4.67E-08
5925	485947.77, 3858	3.47E-04	1.10E-07	4.65E-08	4.25E-04	1.34E-07	5.69E-08	3.73E-04	1.18E-07	4.99E-08
5926	485947.66, 3858	3.76E-04	1.19E-07	5.03E-08	4.60E-04	1.45E-07	6.16E-08	4.03E-04	1.27E-07	5.40E-08
5927	485854.54, 3857	3.86E-04	1.22E-07	5.17E-08	4.73E-04	1.49E-07	6.34E-08	4.15E-04	1.31E-07	5.55E-08
5928	485761.52, 3857	3.71E-04	1.17E-07	4.97E-08	4.55E-04	1.44E-07	6.09E-08	3.99E-04	1.26E-07	5.34E-08
5929	485668.51, 3857	3.59E-04	1.13E-07	4.80E-08	4.39E-04	1.39E-07	5.88E-08	3.85E-04	1.22E-07	5.16E-08
5930	485575.5, 38579	3.45E-04	1.09E-07	4.63E-08	4.23E-04	1.34E-07	5.66E-08	3.71E-04	1.17E-07	4.96E-08
5931	485482.48, 3857	3.34E-04	1.05E-07	4.47E-08	4.09E-04	1.29E-07	5.48E-08	3.59E-04	1.13E-07	4.80E-08
5932	485389.47, 3857	3.23E-04	1.02E-07	4.33E-08	3.96E-04	1.25E-07	5.30E-08	3.47E-04	1.10E-07	4.65E-08
5933	485296.46, 3857	3.13E-04	9.89E-08	4.20E-08	3.84E-04	1.21E-07	5.14E-08	3.36E-04	1.06E-07	4.51E-08
5934	485203.45, 3857	3.05E-04	9.62E-08	4.08E-08	3.73E-04	1.18E-07	5.00E-08	3.27E-04	1.03E-07	4.39E-08
5935	485110.43, 3857	2.95E-04	9.33E-08	3.96E-08	3.62E-04	1.14E-07	4.85E-08	3.17E-04	1.00E-07	4.25E-08
5936	485017.42, 3857	2.86E-04	9.03E-08	3.83E-08	3.50E-04	1.11E-07	4.69E-08	3.07E-04	9.70E-08	4.12E-08
5937	484924.41, 3857	2.77E-04	8.74E-08	3.71E-08	3.39E-04	1.07E-07	4.54E-08	2.98E-04	9.40E-08	3.99E-08
5938	484831.39, 3857	2.69E-04	8.50E-08	3.60E-08	3.30E-04	1.04E-07	4.41E-08	2.89E-04	9.13E-08	3.87E-08
5939	484738.12, 3857	2.72E-04	8.59E-08	3.64E-08	3.33E-04	1.05E-07	4.46E-08	2.93E-04	9.23E-08	3.92E-08
5940	484737.85, 3857	2.84E-04	8.97E-08	3.81E-08	3.48E-04	1.10E-07	4.66E-08	3.06E-04	9.64E-08	4.09E-08
5941	484737.59, 3857	2.97E-04	9.36E-08	3.97E-08	3.63E-04	1.15E-07	4.86E-08	3.19E-04	1.01E-07	4.27E-08
5942	484737.32, 3857	3.09E-04	9.75E-08	4.14E-08	3.78E-04	1.19E-07	5.07E-08	3.32E-04	1.05E-07	4.45E-08
5943	484645.53, 3857	3.12E-04	9.85E-08	4.18E-08	3.82E-04	1.21E-07	5.12E-08	3.35E-04	1.06E-07	4.49E-08
5944	484553.99, 3857	3.02E-04	9.52E-08	4.04E-08	3.69E-04	1.17E-07	4.95E-08	3.24E-04	1.02E-07	4.34E-08
5945	484462.46, 3857	2.93E-04	9.24E-08	3.92E-08	3.58E-04	1.13E-07	4.80E-08	3.15E-04	9.93E-08	4.21E-08
5946	484370.93, 3857	2.84E-04	8.96E-08	3.80E-08	3.48E-04	1.10E-07	4.66E-08	3.05E-04	9.63E-08	4.09E-08
5947	484279.4, 38575	2.76E-04	8.70E-08	3.69E-08	3.38E-04	1.07E-07	4.52E-08	2.96E-04	9.36E-08	3.97E-08
5948	484187.86, 3857	2.68E-04	8.44E-08	3.58E-08	3.28E-04	1.03E-07	4.39E-08	2.88E-04	9.08E-08	3.85E-08
5949	484096.33, 3857	2.60E-04	8.22E-08	3.49E-08	3.19E-04	1.01E-07	4.27E-08	2.80E-04	8.83E-08	3.75E-08
5950	484004.8, 38575	2.52E-04	7.97E-08	3.38E-08	3.09E-04	9.76E-08	4.14E-08	2.71E-04	8.57E-08	3.63E-08
5951	483913.27, 3857	2.44E-04	7.71E-08	3.27E-08	2.99E-04	9.44E-08	4.00E-08	2.62E-04	8.28E-08	3.51E-08
5952	483821.73, 3857	2.37E-04	7.48E-08	3.17E-08	2.90E-04	9.16E-08	3.89E-08	2.55E-04	8.04E-08	3.41E-08
5953	483729.61, 3857	2.37E-04	7.49E-08	3.18E-08	2.91E-04	9.17E-08	3.89E-08	2.55E-04	8.05E-08	3.42E-08
5954	483729.03, 3857	2.46E-04	7.77E-08	3.30E-08	3.01E-04	9.51E-08	4.04E-08	2.65E-04	8.35E-08	3.54E-08
5955	483728.44, 3857	2.54E-04	8.03E-08	3.41E-08	3.11E-04	9.83E-08	4.17E-08	2.73E-04	8.63E-08	3.66E-08
5956	483727.86, 3857	2.62E-04	8.28E-08	3.51E-08	3.21E-04	1.01E-07	4.30E-08	2.82E-04	8.90E-08	3.78E-08
5957	483641.15, 3857	2.63E-04	8.31E-08	3.52E-08	3.22E-04	1.02E-07	4.32E-08	2.83E-04	8.93E-08	3.79E-08
5958	483555.03, 3857	2.55E-04	8.05E-08	3.42E-08	3.12E-04	9.86E-08	4.18E-08	2.74E-04	8.65E-08	3.67E-08
5959	483468.91, 3857	2.46E-04	7.76E-08	3.29E-08	3.01E-04	9.50E-08	4.03E-08	2.64E-04	8.34E-08	3.54E-08
5960	483382.78, 3857	2.39E-04	7.55E-08	3.21E-08	2.93E-04	9.25E-08	3.93E-08	2.57E-04	8.12E-08	3.44E-08
5961	483296.66, 3857	2.32E-04	7.32E-08	3.11E-08	2.84E-04	8.97E-08	3.81E-08	2.49E-04	7.87E-08	3.34E-08
5962	483210.54, 3857	2.25E-04	7.09E-08	3.01E-08	2.75E-04	8.68E-08	3.68E-08	2.41E-04	7.62E-08	3.23E-08
5963	483123.4, 38570	2.25E-04	7.09E-08	3.01E-08	2.75E-04	8.69E-08	3.69E-08	2.41E-04	7.62E-08	3.23E-08
5964	483122.38, 3856	2.33E-04	7.34E-08	3.12E-08	2.85E-04	8.99E-08	3.82E-08	2.50E-04	7.89E-08	3.35E-08
5965	483121.35, 3856	2.41E-04	7.60E-08	3.23E-08	2.95E-04	9.31E-08	3.95E-08	2.59E-04	8.17E-08	3.46E-08
5966	483120.33, 3856	2.47E-04	7.81E-08	3.31E-08	3.03E-04	9.56E-08	4.06E-08	2.66E-04	8.39E-08	3.56E-08
5967	483119.31, 3856	2.54E-04	8.02E-08	3.40E-08	3.11E-04	9.82E-08	4.17E-08	2.73E-04	8.61E-08	3.65E-08
5968	483118.29, 3856	2.62E-04	8.26E-08	3.51E-08	3.21E-04	1.01E-07	4.29E-08	2.81E-04	8.87E-08	3.77E-08
5969	483117.26, 3856	2.70E-04	8.53E-08	3.62E-08	3.31E-04	1.04E-07	4.43E-08	2.90E-04	9.16E-08	3.89E-08
5970	483116.24, 3856	2.78E-04	8.78E-08	3.72E-08	3.41E-04	1.07E-07	4.56E-08	2.99E-04	9.43E-08	4.00E-08

5971	483115.22, 3856	2.86E-04	9.04E-08	3.84E-08	3.51E-04	1.11E-07	4.70E-08	3.08E-04	9.71E-08	4.12E-08
5972	483114.2, 38561	2.94E-04	9.28E-08	3.94E-08	3.60E-04	1.14E-07	4.82E-08	3.16E-04	9.97E-08	4.23E-08
5973	483113.17, 3856	3.04E-04	9.60E-08	4.07E-08	3.73E-04	1.18E-07	4.99E-08	3.27E-04	1.03E-07	4.37E-08
5974	483112.15, 3856	3.13E-04	9.88E-08	4.19E-08	3.83E-04	1.21E-07	5.13E-08	3.36E-04	1.06E-07	4.50E-08
5975	483029.25, 3855	3.10E-04	9.79E-08	4.15E-08	3.80E-04	1.20E-07	5.09E-08	3.33E-04	1.05E-07	4.46E-08
5976	482947.37, 3855	2.98E-04	9.39E-08	3.99E-08	3.65E-04	1.15E-07	4.88E-08	3.20E-04	1.01E-07	4.28E-08
5977	482865.49, 3855	2.85E-04	9.01E-08	3.82E-08	3.50E-04	1.10E-07	4.68E-08	3.06E-04	9.67E-08	4.10E-08
5978	482783.61, 3855	2.75E-04	8.68E-08	3.68E-08	3.37E-04	1.06E-07	4.51E-08	2.95E-04	9.32E-08	3.95E-08
5979	482700.33, 3855	2.72E-04	8.58E-08	3.64E-08	3.33E-04	1.05E-07	4.46E-08	2.92E-04	9.21E-08	3.91E-08
5980	482698.92, 3855	2.80E-04	8.83E-08	3.75E-08	3.43E-04	1.08E-07	4.59E-08	3.00E-04	9.47E-08	4.02E-08
5981	482697.52, 3855	2.86E-04	9.02E-08	3.83E-08	3.50E-04	1.11E-07	4.69E-08	3.07E-04	9.68E-08	4.11E-08
5982	482696.11, 3855	2.93E-04	9.25E-08	3.93E-08	3.59E-04	1.13E-07	4.81E-08	3.15E-04	9.93E-08	4.21E-08
5983	482694.71, 3855	2.98E-04	9.41E-08	3.99E-08	3.65E-04	1.15E-07	4.89E-08	3.20E-04	1.01E-07	4.29E-08
5984	482693.3, 38553	3.03E-04	9.57E-08	4.06E-08	3.72E-04	1.17E-07	4.98E-08	3.26E-04	1.03E-07	4.36E-08
5985	482691.9, 38552	3.10E-04	9.79E-08	4.15E-08	3.80E-04	1.20E-07	5.09E-08	3.33E-04	1.05E-07	4.46E-08
5986	482690.49, 3855	3.16E-04	9.99E-08	4.24E-08	3.88E-04	1.22E-07	5.19E-08	3.40E-04	1.07E-07	4.55E-08
5987	482689.09, 3855	3.27E-04	1.03E-07	4.38E-08	4.01E-04	1.27E-07	5.37E-08	3.51E-04	1.11E-07	4.71E-08
5988	482687.68, 3854	3.36E-04	1.06E-07	4.50E-08	4.12E-04	1.30E-07	5.51E-08	3.61E-04	1.14E-07	4.83E-08
5989	482686.28, 3854	3.49E-04	1.10E-07	4.67E-08	4.27E-04	1.35E-07	5.72E-08	3.74E-04	1.18E-07	5.01E-08
5990	482684.88, 3854	3.58E-04	1.13E-07	4.80E-08	4.39E-04	1.38E-07	5.88E-08	3.85E-04	1.21E-07	5.15E-08
5991	482683.47, 3854	3.74E-04	1.18E-07	5.01E-08	4.59E-04	1.45E-07	6.14E-08	4.02E-04	1.27E-07	5.39E-08
5992	482682.07, 3854	3.88E-04	1.23E-07	5.20E-08	4.76E-04	1.50E-07	6.37E-08	4.18E-04	1.32E-07	5.59E-08
5993	482680.66, 3854	4.02E-04	1.27E-07	5.39E-08	4.93E-04	1.56E-07	6.60E-08	4.33E-04	1.37E-07	5.80E-08
5994	482679.26, 3854	4.13E-04	1.30E-07	5.53E-08	5.06E-04	1.60E-07	6.78E-08	4.45E-04	1.40E-07	5.96E-08
5995	482677.85, 3854	4.36E-04	1.38E-07	5.84E-08	5.35E-04	1.69E-07	7.16E-08	4.70E-04	1.48E-07	6.29E-08
5996	482676.45, 3854	4.34E-04	1.37E-07	5.82E-08	5.32E-04	1.68E-07	7.13E-08	4.68E-04	1.48E-07	6.27E-08
5997	482675.04, 3854	4.36E-04	1.38E-07	5.84E-08	5.34E-04	1.69E-07	7.15E-08	4.70E-04	1.48E-07	6.29E-08
5998	482673.64, 3853	4.35E-04	1.37E-07	5.82E-08	5.33E-04	1.68E-07	7.13E-08	4.69E-04	1.48E-07	6.27E-08
5999	482672.23, 3853	4.41E-04	1.39E-07	5.90E-08	5.40E-04	1.70E-07	7.23E-08	4.75E-04	1.50E-07	6.36E-08
6000	482670.83, 3853	4.33E-04	1.37E-07	5.80E-08	5.31E-04	1.68E-07	7.11E-08	4.67E-04	1.47E-07	6.26E-08
6001	482669.42, 3853	3.84E-04	1.21E-07	5.14E-08	4.71E-04	1.49E-07	6.30E-08	4.14E-04	1.31E-07	5.55E-08
6002	482645.99, 3853	2.23E-04	7.04E-08	2.99E-08	2.73E-04	8.63E-08	3.66E-08	2.40E-04	7.58E-08	3.22E-08
6003	482623.97, 3853	1.88E-04	5.95E-08	2.52E-08	2.31E-04	7.29E-08	3.09E-08	2.03E-04	6.40E-08	2.72E-08
6004	482601.94, 3853	1.67E-04	5.26E-08	2.23E-08	2.04E-04	6.44E-08	2.73E-08	1.79E-04	5.66E-08	2.40E-08
6005	482531.29, 3853	1.39E-04	4.40E-08	1.87E-08	1.71E-04	5.39E-08	2.29E-08	1.50E-04	4.73E-08	2.01E-08
6006	482482.68, 3853	1.30E-04	4.10E-08	1.74E-08	1.59E-04	5.03E-08	2.13E-08	1.40E-04	4.41E-08	1.87E-08
6007	482383.09, 3852	1.16E-04	3.66E-08	1.55E-08	1.42E-04	4.48E-08	1.90E-08	1.25E-04	3.93E-08	1.67E-08
6008	482265.64, 3852	1.06E-04	3.34E-08	1.42E-08	1.30E-04	4.09E-08	1.74E-08	1.14E-04	3.59E-08	1.52E-08
6009	482199.16, 3852	1.01E-04	3.20E-08	1.36E-08	1.24E-04	3.92E-08	1.66E-08	1.09E-04	3.44E-08	1.46E-08
6010	482132.69, 3852	9.74E-05	3.07E-08	1.30E-08	1.19E-04	3.76E-08	1.60E-08	1.05E-04	3.30E-08	1.40E-08
6011	482066.21, 3852	9.36E-05	2.95E-08	1.25E-08	1.15E-04	3.62E-08	1.53E-08	1.01E-04	3.17E-08	1.35E-08
6012	481999.74, 3852	9.00E-05	2.84E-08	1.20E-08	1.10E-04	3.48E-08	1.48E-08	9.67E-05	3.05E-08	1.29E-08
6013	481933.26, 3852	8.66E-05	2.73E-08	1.16E-08	1.06E-04	3.35E-08	1.42E-08	9.31E-05	2.94E-08	1.25E-08
6014	481866.79, 3852	8.37E-05	2.64E-08	1.12E-08	1.03E-04	3.24E-08	1.37E-08	8.99E-05	2.84E-08	1.20E-08
6015	481800.31, 3852	8.10E-05	2.56E-08	1.08E-08	9.92E-05	3.13E-08	1.33E-08	8.70E-05	2.75E-08	1.17E-08
6016	481733.84, 3852	7.84E-05	2.48E-08	1.05E-08	9.61E-05	3.03E-08	1.29E-08	8.43E-05	2.66E-08	1.13E-08
6017	481667.36, 3852	7.61E-05	2.40E-08	1.02E-08	9.32E-05	2.94E-08	1.25E-08	8.18E-05	2.58E-08	1.10E-08
6018	481600.89, 3852	7.36E-05	2.32E-08	9.86E-09	9.02E-05	2.85E-08	1.21E-08	7.91E-05	2.50E-08	1.06E-08
6019	481534.41, 3852	7.13E-05	2.25E-08	9.55E-09	8.73E-05	2.76E-08	1.17E-08	7.66E-05	2.42E-08	1.03E-08
6020	481467.94, 3851	6.91E-05	2.18E-08	9.26E-09	8.47E-05	2.67E-08	1.13E-08	7.43E-05	2.34E-08	9.95E-09
6021	481401.46, 3851	6.72E-05	2.12E-08	9.00E-09	8.23E-05	2.60E-08	1.10E-08	7.22E-05	2.28E-08	9.67E-09
6022	481265.87, 3851	6.35E-05	2.00E-08	8.51E-09	7.78E-05	2.46E-08	1.04E-08	6.83E-05	2.15E-08	9.14E-09
6023	481196.74, 3851	6.19E-05	1.95E-08	8.29E-09	7.58E-05	2.39E-08	1.02E-08	6.65E-05	2.10E-08	8.91E-09
6024	481076.33, 3851	5.93E-05	1.87E-08	7.95E-09	7.27E-05	2.29E-08	9.74E-09	6.38E-05	2.01E-08	8.54E-09
6025	480939.8, 38515	5.68E-05	1.79E-08	7.61E-09	6.96E-05	2.20E-08	9.32E-09	6.11E-05	1.93E-08	8.18E-09
6026	480854.56, 3851	5.52E-05	1.74E-08	7.40E-09	6.77E-05	2.14E-08	9.06E-09	5.93E-05	1.87E-08	7.95E-09
6027	480769.32, 3851	5.37E-05	1.69E-08	7.19E-09	6.58E-05	2.08E-08	8.81E-09	5.77E-05	1.82E-08	7.73E-09
6028	480684.08, 3851	5.22E-05	1.65E-08	6.98E-09	6.39E-05	2.02E-08	8.56E-09	5.60E-05	1.77E-08	7.50E-09

6029	480598.84, 3851	5.06E-05	1.60E-08	6.77E-09	6.20E-05	1.96E-08	8.30E-09	5.44E-05	1.72E-08	7.28E-09
6030	480435.71, 3851	4.78E-05	1.51E-08	6.40E-09	5.85E-05	1.85E-08	7.84E-09	5.13E-05	1.62E-08	6.87E-09
6031	480347.85, 3851	4.63E-05	1.46E-08	6.20E-09	5.67E-05	1.79E-08	7.60E-09	4.98E-05	1.57E-08	6.66E-09
6032	480260, 385118	4.49E-05	1.42E-08	6.01E-09	5.50E-05	1.74E-08	7.36E-09	4.82E-05	1.52E-08	6.46E-09
6033	480172.15, 3851	4.35E-05	1.37E-08	5.83E-09	5.33E-05	1.68E-08	7.14E-09	4.68E-05	1.48E-08	6.26E-09
6034	480084.29, 3851	4.22E-05	1.33E-08	5.65E-09	5.16E-05	1.63E-08	6.92E-09	4.53E-05	1.43E-08	6.07E-09
6035	479996.44, 3851	4.09E-05	1.29E-08	5.47E-09	5.01E-05	1.58E-08	6.71E-09	4.39E-05	1.39E-08	5.88E-09
6036	479908.58, 3851	3.95E-05	1.25E-08	5.29E-09	4.84E-05	1.53E-08	6.48E-09	4.25E-05	1.34E-08	5.69E-09
6037	479820.73, 3850	3.83E-05	1.21E-08	5.13E-09	4.69E-05	1.48E-08	6.28E-09	4.12E-05	1.30E-08	5.51E-09
6038	479732.88, 3850	3.72E-05	1.17E-08	4.98E-09	4.55E-05	1.44E-08	6.09E-09	3.99E-05	1.26E-08	5.35E-09
6039	479645.02, 3850	3.61E-05	1.14E-08	4.83E-09	4.42E-05	1.40E-08	5.92E-09	3.88E-05	1.22E-08	5.19E-09
6040	479557.17, 3850	3.51E-05	1.11E-08	4.71E-09	4.31E-05	1.36E-08	5.77E-09	3.78E-05	1.19E-08	5.06E-09
6041	479469.32, 3850	3.41E-05	1.08E-08	4.57E-09	4.18E-05	1.32E-08	5.60E-09	3.67E-05	1.16E-08	4.91E-09
6042	479381.46, 3850	3.34E-05	1.05E-08	4.47E-09	4.09E-05	1.29E-08	5.47E-09	3.59E-05	1.13E-08	4.80E-09
6043	479293.61, 3850	3.28E-05	1.03E-08	4.39E-09	4.02E-05	1.27E-08	5.38E-09	3.52E-05	1.11E-08	4.72E-09
6044	479205.76, 3850	3.22E-05	1.02E-08	4.31E-09	3.94E-05	1.24E-08	5.28E-09	3.46E-05	1.09E-08	4.63E-09
6045	479117.9, 38506	3.16E-05	9.98E-09	4.24E-09	3.88E-05	1.22E-08	5.19E-09	3.40E-05	1.07E-08	4.55E-09
6046	479030.05, 3850	3.11E-05	9.81E-09	4.16E-09	3.81E-05	1.20E-08	5.10E-09	3.34E-05	1.05E-08	4.47E-09
6047	478942.19, 3850	3.04E-05	9.60E-09	4.07E-09	3.72E-05	1.18E-08	4.99E-09	3.27E-05	1.03E-08	4.38E-09
6048	478854.34, 3850	2.93E-05	9.25E-09	3.93E-09	3.59E-05	1.13E-08	4.81E-09	3.15E-05	9.94E-09	4.22E-09
6049	478766.49, 3850	2.85E-05	9.00E-09	3.82E-09	3.49E-05	1.10E-08	4.68E-09	3.07E-05	9.68E-09	4.11E-09
6050	478678.63, 3850	2.79E-05	8.80E-09	3.73E-09	3.42E-05	1.08E-08	4.57E-09	3.00E-05	9.46E-09	4.01E-09
6051	478590.78, 3850	2.72E-05	8.60E-09	3.65E-09	3.34E-05	1.05E-08	4.47E-09	2.93E-05	9.24E-09	3.92E-09
6052	478502.93, 3850	2.67E-05	8.44E-09	3.58E-09	3.28E-05	1.03E-08	4.39E-09	2.87E-05	9.07E-09	3.85E-09
6053	478415.07, 3850	2.64E-05	8.32E-09	3.53E-09	3.23E-05	1.02E-08	4.33E-09	2.83E-05	8.95E-09	3.80E-09
6054	478327.22, 3850	2.58E-05	8.13E-09	3.45E-09	3.16E-05	9.96E-09	4.23E-09	2.77E-05	8.74E-09	3.71E-09
6055	478239.36, 3850	2.53E-05	7.98E-09	3.39E-09	3.10E-05	9.78E-09	4.15E-09	2.72E-05	8.58E-09	3.64E-09
6056	478151.51, 3850	2.49E-05	7.86E-09	3.34E-09	3.05E-05	9.63E-09	4.09E-09	2.68E-05	8.45E-09	3.59E-09
6057	478063.66, 3850	2.46E-05	7.76E-09	3.29E-09	3.01E-05	9.50E-09	4.03E-09	2.64E-05	8.34E-09	3.54E-09
6058	477975.8, 38500	2.51E-05	7.91E-09	3.36E-09	3.07E-05	9.69E-09	4.11E-09	2.69E-05	8.50E-09	3.61E-09
6059	477887.95, 3850	2.49E-05	7.86E-09	3.34E-09	3.05E-05	9.63E-09	4.09E-09	2.68E-05	8.45E-09	3.59E-09
6060	477800.1, 38499	2.49E-05	7.85E-09	3.33E-09	3.05E-05	9.62E-09	4.08E-09	2.67E-05	8.44E-09	3.58E-09
6061	477712.24, 3849	2.46E-05	7.78E-09	3.30E-09	3.02E-05	9.52E-09	4.04E-09	2.65E-05	8.36E-09	3.55E-09
6062	477624.39, 3849	2.44E-05	7.70E-09	3.27E-09	2.99E-05	9.43E-09	4.00E-09	2.62E-05	8.28E-09	3.51E-09
6063	477536.54, 3849	2.42E-05	7.65E-09	3.24E-09	2.97E-05	9.36E-09	3.97E-09	2.60E-05	8.22E-09	3.49E-09
6064	477448.68, 3849	2.39E-05	7.55E-09	3.20E-09	2.93E-05	9.25E-09	3.93E-09	2.57E-05	8.12E-09	3.44E-09
6065	477360.83, 3849	2.37E-05	7.47E-09	3.17E-09	2.90E-05	9.15E-09	3.88E-09	2.54E-05	8.03E-09	3.41E-09
6066	477272.97, 3849	2.34E-05	7.39E-09	3.13E-09	2.87E-05	9.05E-09	3.84E-09	2.52E-05	7.94E-09	3.37E-09
6067	477185.12, 3849	2.32E-05	7.32E-09	3.11E-09	2.84E-05	8.96E-09	3.80E-09	2.49E-05	7.87E-09	3.34E-09
6068	477097.27, 3849	2.29E-05	7.22E-09	3.06E-09	2.80E-05	8.84E-09	3.75E-09	2.46E-05	7.76E-09	3.29E-09
6069	477009.41, 3849	2.24E-05	7.07E-09	3.00E-09	2.74E-05	8.66E-09	3.67E-09	2.41E-05	7.60E-09	3.22E-09
6070	476841.49, 3849	2.18E-05	6.89E-09	2.92E-09	2.67E-05	8.44E-09	3.58E-09	2.35E-05	7.41E-09	3.14E-09
6071	476761.41, 3849	2.16E-05	6.83E-09	2.90E-09	2.65E-05	8.37E-09	3.55E-09	2.33E-05	7.34E-09	3.11E-09
6072	476681.34, 3849	2.13E-05	6.73E-09	2.85E-09	2.61E-05	8.24E-09	3.50E-09	2.29E-05	7.23E-09	3.07E-09
6073	476601.26, 3849	2.09E-05	6.61E-09	2.80E-09	2.57E-05	8.10E-09	3.43E-09	2.25E-05	7.10E-09	3.01E-09
6074	476456.32, 3849	2.02E-05	6.38E-09	2.71E-09	2.48E-05	7.82E-09	3.32E-09	2.17E-05	6.86E-09	2.91E-09
6075	476305.43, 3849	2.02E-05	6.38E-09	2.71E-09	2.48E-05	7.82E-09	3.32E-09	2.17E-05	6.86E-09	2.91E-09
6076	476129.36, 3849	2.01E-05	6.33E-09	2.69E-09	2.46E-05	7.75E-09	3.29E-09	2.15E-05	6.80E-09	2.89E-09
6077	476039.31, 3849	2.00E-05	6.32E-09	2.68E-09	2.45E-05	7.74E-09	3.28E-09	2.15E-05	6.79E-09	2.88E-09
6078	475949.26, 3849	1.97E-05	6.20E-09	2.63E-09	2.41E-05	7.60E-09	3.22E-09	2.11E-05	6.66E-09	2.83E-09
6079	475859.21, 3849	1.96E-05	6.17E-09	2.62E-09	2.40E-05	7.56E-09	3.21E-09	2.10E-05	6.63E-09	2.81E-09
6080	475769.16, 3849	1.94E-05	6.12E-09	2.60E-09	2.38E-05	7.50E-09	3.18E-09	2.08E-05	6.58E-09	2.79E-09
6081	475585.23, 3849	1.75E-05	5.54E-09	2.35E-09	2.15E-05	6.78E-09	2.88E-09	1.88E-05	5.95E-09	2.52E-09
6082	475444.5, 38491	1.83E-05	5.77E-09	2.45E-09	2.24E-05	7.07E-09	3.00E-09	1.96E-05	6.20E-09	2.63E-09
6083	475334.18, 3849	1.83E-05	5.78E-09	2.45E-09	2.24E-05	7.08E-09	3.00E-09	1.97E-05	6.21E-09	2.64E-09
6084	475230.47, 3849	1.81E-05	5.71E-09	2.42E-09	2.21E-05	6.99E-09	2.97E-09	1.94E-05	6.13E-09	2.60E-09
6085	475110.86, 3848	1.76E-05	5.56E-09	2.36E-09	2.16E-05	6.81E-09	2.89E-09	1.89E-05	5.97E-09	2.53E-09
6086	475037.79, 3848	1.72E-05	5.44E-09	2.31E-09	2.11E-05	6.66E-09	2.83E-09	1.85E-05	5.84E-09	2.48E-09

6087	474964.72, 3848	1.69E-05	5.32E-09	2.26E-09	2.07E-05	6.52E-09	2.77E-09	1.81E-05	5.72E-09	2.43E-09
6088	474891.65, 3848	1.66E-05	5.24E-09	2.22E-09	2.03E-05	6.42E-09	2.72E-09	1.78E-05	5.63E-09	2.39E-09
6089	474818.58, 3848	1.64E-05	5.18E-09	2.20E-09	2.01E-05	6.35E-09	2.69E-09	1.76E-05	5.57E-09	2.36E-09
6090	474745.51, 3848	1.64E-05	5.19E-09	2.20E-09	2.01E-05	6.35E-09	2.69E-09	1.76E-05	5.57E-09	2.36E-09
6091	474672.44, 3848	1.63E-05	5.14E-09	2.18E-09	2.00E-05	6.30E-09	2.67E-09	1.75E-05	5.52E-09	2.34E-09
6092	474599.37, 3848	1.60E-05	5.04E-09	2.14E-09	1.96E-05	6.18E-09	2.62E-09	1.72E-05	5.42E-09	2.30E-09
6093	474526.3, 38484	1.58E-05	4.97E-09	2.11E-09	1.93E-05	6.09E-09	2.59E-09	1.69E-05	5.34E-09	2.27E-09

						2028 Unmitigated					2028 Mitigated				
	Period				Rates (g/	4.04E-03	2.98E-02	6.38E-03	3.16E-03		3.68E-03	0.00E+00	8.50E-05	8.61E-05	
	Concentration [ug/m^3] at 1 g/s					Concentration [ug/m^3]					Concentration [ug/m^3]				
	X, Y	CHE (PAREA	WHS (PAREA	STCK1-10	STCK11-39	CHE (PAREA	WHS (PARE	STCK1-10	STCK11-39	Total	CHE (PAREA	WHS (PAREA	STCK1-10	STCK11-39	Total
1	485973.61, 3854936.51	0.35979	0.05383	0.00755	0.03265	1.45E-03	1.61E-03	4.82E-05	1.03E-04	3.21E-03	1.32E-03	0.00E+00	6.42E-07	2.81E-06	1.33E-03
2	486023.61, 3854936.51	0.35175	0.05307	0.00795	0.0328	1.42E-03	1.58E-03	5.07E-05	1.04E-04	3.16E-03	1.29E-03	0.00E+00	6.76E-07	2.82E-06	1.30E-03
3	486073.61, 3854936.51	0.34752	0.05264	0.00845	0.03292	1.40E-03	1.57E-03	5.39E-05	1.04E-04	3.13E-03	1.28E-03	0.00E+00	7.19E-07	2.83E-06	1.28E-03
4	486123.61, 3854936.51	0.33447	0.05146	0.00906	0.03298	1.35E-03	1.54E-03	5.78E-05	1.04E-04	3.05E-03	1.23E-03	0.00E+00	7.71E-07	2.84E-06	1.23E-03
5	486173.61, 3854936.51	0.33517	0.05149	0.00959	0.03307	1.35E-03	1.54E-03	6.12E-05	1.04E-04	3.06E-03	1.23E-03	0.00E+00	8.16E-07	2.85E-06	1.24E-03
6	486223.61, 3854936.51	0.32784	0.05082	0.01012	0.03312	1.33E-03	1.52E-03	6.46E-05	1.05E-04	3.01E-03	1.21E-03	0.00E+00	8.61E-07	2.85E-06	1.21E-03
7	486273.61, 3854936.51	0.32303	0.05039	0.0105	0.03316	1.31E-03	1.50E-03	6.70E-05	1.05E-04	2.98E-03	1.19E-03	0.00E+00	8.93E-07	2.86E-06	1.19E-03
8	486323.61, 3854936.51	0.319	0.05004	0.01071	0.03319	1.29E-03	1.49E-03	6.83E-05	1.05E-04	2.96E-03	1.17E-03	0.00E+00	9.11E-07	2.86E-06	1.18E-03
9	485973.61, 3854986.51	0.42822	0.05766	0.00744	0.03413	1.73E-03	1.72E-03	4.75E-05	1.08E-04	3.61E-03	1.57E-03	0.00E+00	6.33E-07	2.94E-06	1.58E-03
10	486023.61, 3854986.51	0.41882	0.057	0.00775	0.03425	1.69E-03	1.70E-03	4.94E-05	1.08E-04	3.55E-03	1.54E-03	0.00E+00	6.59E-07	2.95E-06	1.54E-03
11	486073.61, 3854986.51	0.40693	0.05613	0.00821	0.03434	1.64E-03	1.67E-03	5.24E-05	1.08E-04	3.48E-03	1.50E-03	0.00E+00	6.98E-07	2.96E-06	1.50E-03
12	486123.61, 3854986.51	0.396	0.05533	0.00876	0.03442	1.60E-03	1.65E-03	5.59E-05	1.09E-04	3.42E-03	1.46E-03	0.00E+00	7.45E-07	2.96E-06	1.46E-03
13	486173.61, 3854986.51	0.39106	0.05501	0.00932	0.03449	1.58E-03	1.64E-03	5.94E-05	1.09E-04	3.39E-03	1.44E-03	0.00E+00	7.93E-07	2.97E-06	1.44E-03
14	486223.61, 3854986.51	0.3802	0.05421	0.00991	0.03454	1.54E-03	1.62E-03	6.32E-05	1.09E-04	3.33E-03	1.40E-03	0.00E+00	8.43E-07	2.97E-06	1.40E-03
15	486273.61, 3854986.51	0.36848	0.05333	0.01043	0.03456	1.49E-03	1.59E-03	6.65E-05	1.09E-04	3.26E-03	1.35E-03	0.00E+00	8.87E-07	2.98E-06	1.36E-03
16	486323.61, 3854986.51	0.36928	0.05349	0.01071	0.03461	1.49E-03	1.60E-03	6.83E-05	1.09E-04	3.27E-03	1.36E-03	0.00E+00	9.11E-07	2.98E-06	1.36E-03
17	485973.61, 3855036.51	0.50892	0.06187	0.00739	0.03569	2.06E-03	1.85E-03	4.71E-05	1.13E-04	4.06E-03	1.87E-03	0.00E+00	6.28E-07	3.07E-06	1.87E-03
18	486023.61, 3855036.51	0.49299	0.06097	0.00761	0.0358	1.99E-03	1.82E-03	4.85E-05	1.13E-04	3.97E-03	1.81E-03	0.00E+00	6.47E-07	3.08E-06	1.82E-03
19	486073.61, 3855036.51	0.4734	0.05978	0.008	0.03589	1.91E-03	1.78E-03	5.10E-05	1.13E-04	3.86E-03	1.74E-03	0.00E+00	6.80E-07	3.09E-06	1.74E-03
20	486123.61, 3855036.51	0.45938	0.05895	0.00849	0.03597	1.86E-03	1.76E-03	5.42E-05	1.14E-04	3.78E-03	1.69E-03	0.00E+00	7.22E-07	3.10E-06	1.69E-03
21	486173.61, 3855036.51	0.45222	0.05861	0.00904	0.03604	1.83E-03	1.75E-03	5.77E-05	1.14E-04	3.75E-03	1.66E-03	0.00E+00	7.69E-07	3.10E-06	1.67E-03
22	486223.61, 3855036.51	0.43527	0.05752	0.00968	0.03609	1.76E-03	1.72E-03	6.17E-05	1.14E-04	3.65E-03	1.60E-03	0.00E+00	8.23E-07	3.11E-06	1.60E-03
23	486273.61, 3855036.51	0.43038	0.05734	0.0102	0.03613	1.74E-03	1.71E-03	6.51E-05	1.14E-04	3.63E-03	1.58E-03	0.00E+00	8.67E-07	3.11E-06	1.59E-03
24	486323.61, 3855036.51	0.4187	0.05662	0.01065	0.03613	1.69E-03	1.69E-03	6.79E-05	1.14E-04	3.56E-03	1.54E-03	0.00E+00	9.06E-07	3.11E-06	1.54E-03
25	485973.61, 3855086.51	0.59656	0.06611	0.0074	0.03738	2.41E-03	1.97E-03	4.72E-05	1.18E-04	4.55E-03	2.19E-03	0.00E+00	6.29E-07	3.22E-06	2.20E-03
26	486023.61, 3855086.51	0.57889	0.06535	0.00753	0.03748	2.34E-03	1.95E-03	4.80E-05	1.18E-04	4.46E-03	2.13E-03	0.00E+00	6.40E-07	3.23E-06	2.13E-03
27	486073.61, 3855086.51	0.55216	0.06395	0.00782	0.03759	2.23E-03	1.91E-03	4.99E-05	1.19E-04	4.31E-03	2.03E-03	0.00E+00	6.65E-07	3.24E-06	2.03E-03
28	486123.61, 3855086.51	0.53744	0.06329	0.00822	0.03768	2.17E-03	1.89E-03	5.24E-05	1.19E-04	4.23E-03	1.98E-03	0.00E+00	6.99E-07	3.24E-06	1.98E-03
29	486173.61, 3855086.51	0.5161	0.06214	0.00878	0.03775	2.09E-03	1.85E-03	5.60E-05	1.19E-04	4.12E-03	1.90E-03	0.00E+00	7.47E-07	3.25E-06	1.90E-03
30	486223.61, 3855086.51	0.50271	0.06151	0.00937	0.03779	2.03E-03	1.84E-03	5.98E-05	1.19E-04	4.05E-03	1.85E-03	0.00E+00	7.97E-07	3.25E-06	1.85E-03
31	485973.61, 3855136.51	0.70047	0.07099	0.00744	0.03923	2.83E-03	2.12E-03	4.75E-05	1.24E-04	5.12E-03	2.58E-03	0.00E+00	6.33E-07	3.38E-06	2.58E-03
32	486023.61, 3855136.51	0.67119	0.0698	0.00751	0.03935	2.71E-03	2.08E-03	4.79E-05	1.24E-04	4.97E-03	2.47E-03	0.00E+00	6.39E-07	3.39E-06	2.47E-03
33	486073.61, 3855136.51	0.6427	0.06858	0.0077	0.03946	2.60E-03	2.05E-03	4.91E-05	1.25E-04	4.82E-03	2.36E-03	0.00E+00	6.55E-07	3.40E-06	2.37E-03
34	486123.61, 3855136.51	0.61884	0.06757	0.00802	0.03955	2.50E-03	2.02E-03	5.12E-05	1.25E-04	4.69E-03	2.28E-03	0.00E+00	6.82E-07	3.41E-06	2.28E-03
35	486173.61, 3855136.51	0.59428	0.06644	0.00849	0.0396	2.40E-03	1.98E-03	5.42E-05	1.25E-04	4.56E-03	2.18E-03	0.00E+00	7.22E-07	3.41E-06	2.19E-03
36	486223.61, 3855136.51	0.57351	0.06551	0.00906	0.0396	2.32E-03	1.95E-03	5.78E-05	1.25E-04	4.46E-03	2.11E-03	0.00E+00	7.71E-07	3.41E-06	2.11E-03
37	485973.61, 3855186.51	0.81479	0.07616	0.00752	0.04127	3.29E-03	2.27E-03	4.80E-05	1.30E-04	5.74E-03	3.00E-03	0.00E+00	6.40E-07	3.55E-06	3.00E-03
38	486023.61, 3855186.51	0.77903	0.0749	0.00753	0.04139	3.15E-03	2.23E-03	4.80E-05	1.31E-04	5.56E-03	2.86E-03	0.00E+00	6.40E-07	3.56E-06	2.87E-03
39	486073.61, 3855186.51	0.73751	0.07321	0.00765	0.0415	2.98E-03	2.18E-03	4.88E-05	1.31E-04	5.35E-03	2.71E-03	0.00E+00	6.51E-07	3.57E-06	2.72E-03
40	486123.61, 3855186.51	0.70041	0.07166	0.0079	0.04156	2.83E-03	2.14E-03	5.04E-05	1.31E-04	5.15E-03	2.58E-03	0.00E+00	6.72E-07	3.58E-06	2.58E-03
41	486173.61, 3855186.51	0.67267	0.07057	0.00827	0.04156	2.72E-03	2.11E-03	5.28E-05	1.31E-04	5.01E-03	2.47E-03	0.00E+00	7.03E-07	3.58E-06	2.48E-03
42	486223.61, 3855186.51	0.647	0.06953	0.00878	0.0415	2.62E-03	2.07E-03	5.60E-05	1.31E-04	4.88E-03	2.38E-03	0.00E+00	7.47E-07	3.57E-06	2.38E-03
43	486273.61, 3855186.51	0.62113	0.0684	0.0094	0.04138	2.51E-03	2.04E-03	6.00E-05	1.31E-04	4.74E-03	2.28E-03	0.00E+00	7.99E-07	3.56E-06	2.29E-03
44	486323.61, 3855186.51	0.6181	0.06872	0.0099	0.0412	2.50E-03	2.05E-03	6.31E-05	1.30E-04	4.74E-03	2.27E-03	0.00E+00	8.42E-07	3.55E-06	2.28E-03
45	485973.61, 3855236.51	0.93689	0.08148	0.00762	0.0435	3.79E-03	2.43E-03	4.86E-05	1.37E-04	6.40E-03	3.44E-03	0.00E+00	6.48E-07	3.75E-06	3.45E-03
46	486023.61, 3855236.51	0.88342	0.07959	0.00762	0.04361	3.57E-03	2.37E-03	4.86E-05	1.38E-04	6.13E-03	3.25E-03	0.00E+00	6.48E-07	3.76E-06	3.25E-03
47	486073.61, 3855236.51	0.83246	0.07766	0.00768	0.04368	3.36E-03	2.32E-03	4.90E-05	1.38E-04	5.87E-03	3.06E-03	0.00E+00	6.53E-07	3.76E-06	3.06E-03
48	486123.61, 3855236.51	0.79373	0.07629	0.00783	0.04366	3.21E-03	2.28E-03	4.99E-05	1.38E-04	5.67E-03	2.92E-03	0.00E+00	6.66E-07	3.76E-06	2.92E-03
49	486173.61, 3855236.51	0.75961	0.07507	0.0081	0.04357	3.07E-03	2.24E-03	5.17E-05	1.38E-04	5.50E-03	2.79E-03	0.00E+00	6.89E-07	3.75E-06	2.80E-03
50	486223.61, 3855236.51	0.72594	0.07377	0.00854	0.04342	2.93E-03	2.20E-03	5.45E-05	1.37E-04	5.33E-03	2.67E-03	0.00E+00	7.26E-07	3.74E-06	2.67E-03
51	486273.61, 3855236.51	0.68433	0.07187	0.00916	0.04321	2.77E-03	2.14E-03	5.84E-05	1.36E-04	5.11E-03	2.52E-03	0.00E+00	7.79E-07	3.72E-06	2.52E-03
52	486323.61, 3855236.51	0.69012	0.07286	0.0096	0.04291	2.79E-03	2.17E-03	6.12E-05	1.35E-04	5.16E-03	2.54E-03	0.00E+00	8.16E-07	3.69E-06	2.54E-03
53	485973.61, 3855286.51	1.06643	0.08692	0.00773	0.04588	4.31E-03	2.59E-03	4.93E-05	1.45E-04	7.10E-03	3.92E-03	0.00E+00	6.57E-07	3.95E-06	3.93E-03
54	486023.61, 3855286.51	0.99888	0.08469	0.00774	0.04593	4.04E-03	2.53E-03	4.94E-05	1.45E-04	6.76E-03	3.67E-03	0.00E+00	6.58E-07	3.96E-06	3.68E-03
55	486073.61, 3855286.51	0.9432	0.08284	0.00774	0.04589	3.81E-03	2.47E-03	4.94E-05	1.45E-04	6.48E-03	3.47E-03	0.00E+00	6.58E-07	3.95E-06	3.47E-03
56	486123.61, 3855286.51	0.88981	0.08094	0.00783	0.04578	3.60E-03	2.41E-03	4.99E-05	1.45E-04	6.21E-03	3.27E-03	0.00E+00	6.66E-07	3.94E-06	3.28E-03
57	486173.61, 3855286.51	0.84441	0.07933	0.00803	0.04558	3.41E-03	2.37E-03	5.12E-05	1.44E-04	5.98E-03	3.10E-03	0.00E+00	6.83E-07	3.92E-06	3.11E-03
58	486223.61, 3855286.51	0.80997	0.07821	0.00835	0.04531	3.27E-03	2.33E-03	5.33E-05	1.43E-04	5.80E-03	2.98E-03	0.00E+00	7.10E-07	3.90E-06	2.98E-03
59	486123.61, 3855336.51	0.9916	0.08581	0.0079	0.04787	4.01E-03	2.56E-03	5.04E-05	1.51E-04	6.77E-03	3.65E-03	0.00E+00	6.72E-07	4.12E-06	3.65E-03
60	486173.61, 3855336.51	0.94435	0.08434	0.00799	0.04755	3.82E-03	2.52E-03	5.10E-05	1.50E-04	6.53E-03	3.47E-03	0.00E+00	6.80E-07	4.09E-06	3.48E-03

61	486223.61, 3855336.51	0.89853	0.08282	0.00823	0.04719	3.63E-03	2.47E-03	5.25E-05	1.49E-04	6.30E-03	3.30E-03	0.00E+00	7.00E-07	4.06E-06	3.31E-03
62	486123.61, 3855386.51	1.10315	0.0911	0.008	0.04995	4.46E-03	2.72E-03	5.10E-05	1.58E-04	7.39E-03	4.06E-03	0.00E+00	6.80E-07	4.30E-06	4.06E-03
63	486173.61, 3855386.51	1.04736	0.08948	0.00803	0.04955	4.23E-03	2.67E-03	5.12E-05	1.56E-04	7.11E-03	3.85E-03	0.00E+00	6.83E-07	4.27E-06	3.86E-03
64	486223.61, 3855386.51	0.99853	0.08802	0.00817	0.04912	4.04E-03	2.63E-03	5.21E-05	1.55E-04	6.87E-03	3.67E-03	0.00E+00	6.95E-07	4.23E-06	3.68E-03
65	486533.18, 3855443.15	0.87006	0.08677	0.01101	0.04887	3.52E-03	2.59E-03	7.02E-05	1.54E-04	6.33E-03	3.20E-03	0.00E+00	9.36E-07	4.21E-06	3.20E-03
66	486583.18, 3855443.15	0.8365	0.08553	0.0115	0.04851	3.38E-03	2.55E-03	7.34E-05	1.53E-04	6.16E-03	3.08E-03	0.00E+00	9.78E-07	4.18E-06	3.08E-03
67	486633.18, 3855443.15	0.80518	0.08435	0.0118	0.04816	3.25E-03	2.52E-03	7.53E-05	1.52E-04	6.00E-03	2.96E-03	0.00E+00	1.00E-06	4.15E-06	2.97E-03
68	486683.18, 3855443.15	0.78231	0.08363	0.01181	0.0478	3.16E-03	2.49E-03	7.53E-05	1.51E-04	5.88E-03	2.88E-03	0.00E+00	1.00E-06	4.12E-06	2.88E-03
69	486533.18, 3855493.15	0.94341	0.0915	0.01076	0.05108	3.81E-03	2.73E-03	6.86E-05	1.61E-04	6.77E-03	3.47E-03	0.00E+00	9.15E-07	4.40E-06	3.47E-03
70	486583.18, 3855493.15	0.90847	0.09033	0.01133	0.05066	3.67E-03	2.69E-03	7.23E-05	1.60E-04	6.60E-03	3.34E-03	0.00E+00	9.64E-07	4.36E-06	3.35E-03
71	486633.18, 3855493.15	0.87397	0.08907	0.01175	0.05024	3.53E-03	2.66E-03	7.49E-05	1.59E-04	6.42E-03	3.21E-03	0.00E+00	9.99E-07	4.33E-06	3.22E-03
72	486683.18, 3855493.15	0.84215	0.08789	0.01195	0.04982	3.40E-03	2.62E-03	7.62E-05	1.57E-04	6.26E-03	3.10E-03	0.00E+00	1.02E-06	4.29E-06	3.10E-03
73	486533.18, 3855543.15	1.02514	0.09679	0.01045	0.05338	4.14E-03	2.89E-03	6.67E-05	1.69E-04	7.27E-03	3.77E-03	0.00E+00	8.89E-07	4.60E-06	3.77E-03
74	486583.18, 3855543.15	0.97626	0.09489	0.01115	0.05289	3.95E-03	2.83E-03	7.11E-05	1.67E-04	7.02E-03	3.59E-03	0.00E+00	9.48E-07	4.55E-06	3.59E-03
75	486633.18, 3855543.15	0.9404	0.09367	0.01167	0.05238	3.80E-03	2.79E-03	7.44E-05	1.65E-04	6.84E-03	3.46E-03	0.00E+00	9.92E-07	4.51E-06	3.46E-03
76	486683.18, 3855543.15	0.89666	0.09183	0.01208	0.05187	3.62E-03	2.74E-03	7.71E-05	1.64E-04	6.60E-03	3.30E-03	0.00E+00	1.03E-06	4.47E-06	3.30E-03
77	486533.18, 3855593.15	1.10441	0.10194	0.01017	0.05575	4.46E-03	3.04E-03	6.49E-05	1.76E-04	7.75E-03	4.06E-03	0.00E+00	8.65E-07	4.80E-06	4.07E-03
78	486583.18, 3855593.15	1.05435	0.10014	0.01087	0.05515	4.26E-03	2.99E-03	6.93E-05	1.74E-04	7.49E-03	3.88E-03	0.00E+00	9.24E-07	4.75E-06	3.88E-03
79	486633.18, 3855593.15	1.01036	0.09854	0.0115	0.05454	4.08E-03	2.94E-03	7.34E-05	1.72E-04	7.27E-03	3.71E-03	0.00E+00	9.78E-07	4.70E-06	3.72E-03
80	486683.18, 3855593.15	0.97406	0.0973	0.01196	0.05392	3.94E-03	2.90E-03	7.63E-05	1.70E-04	7.09E-03	3.58E-03	0.00E+00	1.02E-06	4.64E-06	3.59E-03
81	486533.18, 3855643.15	1.18984	0.10752	0.0099	0.05814	4.81E-03	3.21E-03	6.31E-05	1.84E-04	8.26E-03	4.37E-03	0.00E+00	8.42E-07	5.01E-06	4.38E-03
82	486583.18, 3855643.15	1.13677	0.1057	0.01057	0.05741	4.60E-03	3.15E-03	6.74E-05	1.81E-04	8.00E-03	4.18E-03	0.00E+00	8.99E-07	4.94E-06	4.19E-03
83	486633.18, 3855643.15	1.08732	0.1039	0.01125	0.05669	4.40E-03	3.10E-03	7.18E-05	1.79E-04	7.75E-03	4.00E-03	0.00E+00	9.57E-07	4.88E-06	4.00E-03
84	486683.18, 3855643.15	1.04391	0.10233	0.01184	0.05596	4.22E-03	3.05E-03	7.55E-05	1.77E-04	7.52E-03	3.84E-03	0.00E+00	1.01E-06	4.82E-06	3.84E-03
85	486533.18, 3855693.15	1.28749	0.1138	0.00965	0.0605	5.20E-03	3.40E-03	6.16E-05	1.91E-04	8.85E-03	4.73E-03	0.00E+00	8.21E-07	5.21E-06	4.74E-03
86	486583.18, 3855693.15	1.21688	0.11112	0.01031	0.05968	4.92E-03	3.32E-03	6.58E-05	1.88E-04	8.49E-03	4.47E-03	0.00E+00	8.77E-07	5.14E-06	4.48E-03
87	486633.18, 3855693.15	1.15057	0.10845	0.01108	0.05885	4.65E-03	3.24E-03	7.07E-05	1.86E-04	8.14E-03	4.23E-03	0.00E+00	9.42E-07	5.07E-06	4.24E-03
88	486683.18, 3855693.15	1.11611	0.10757	0.01166	0.05798	4.51E-03	3.21E-03	7.44E-05	1.83E-04	7.98E-03	4.10E-03	0.00E+00	9.92E-07	4.99E-06	4.11E-03
89	486733.18, 3855693.15	1.09399	0.10738	0.01201	0.0571	4.42E-03	3.20E-03	7.66E-05	1.80E-04	7.88E-03	4.02E-03	0.00E+00	1.02E-06	4.92E-06	4.03E-03
90	486783.18, 3855693.15	1.07809	0.10759	0.01211	0.05624	4.36E-03	3.21E-03	7.72E-05	1.78E-04	7.82E-03	3.96E-03	0.00E+00	1.03E-06	4.84E-06	3.97E-03
91	486533.18, 3855743.15	1.38152	0.11987	0.0095	0.06284	5.58E-03	3.58E-03	6.06E-05	1.98E-04	9.42E-03	5.08E-03	0.00E+00	8.08E-07	5.41E-06	5.09E-03
92	486583.18, 3855743.15	1.2938	0.11638	0.0101	0.0619	5.23E-03	3.47E-03	6.44E-05	1.95E-04	8.96E-03	4.76E-03	0.00E+00	8.59E-07	5.33E-06	4.76E-03
93	486633.18, 3855743.15	1.23167	0.11414	0.01079	0.06092	4.98E-03	3.41E-03	6.88E-05	1.92E-04	8.65E-03	4.53E-03	0.00E+00	9.18E-07	5.25E-06	4.53E-03
94	486683.18, 3855743.15	1.20122	0.11365	0.01136	0.0599	4.86E-03	3.39E-03	7.25E-05	1.89E-04	8.51E-03	4.42E-03	0.00E+00	9.66E-07	5.16E-06	4.42E-03
95	486733.18, 3855743.15	1.16316	0.11258	0.0119	0.05892	4.70E-03	3.36E-03	7.59E-05	1.86E-04	8.32E-03	4.28E-03	0.00E+00	1.01E-06	5.07E-06	4.28E-03
96	486783.18, 3855743.15	1.15205	0.11321	0.01207	0.05792	4.66E-03	3.38E-03	7.70E-05	1.83E-04	8.29E-03	4.24E-03	0.00E+00	1.03E-06	4.99E-06	4.24E-03
97	486533.18, 3855793.15	1.48303	0.12638	0.00943	0.06502	5.99E-03	3.77E-03	6.01E-05	2.05E-04	1.00E-02	5.45E-03	0.00E+00	8.02E-07	5.60E-06	5.46E-03
98	486583.18, 3855793.15	1.36799	0.12148	0.00997	0.06399	5.53E-03	3.62E-03	6.36E-05	2.02E-04	9.42E-03	5.03E-03	0.00E+00	8.48E-07	5.51E-06	5.04E-03
99	486633.18, 3855793.15	1.32949	0.12079	0.01047	0.0628	5.37E-03	3.60E-03	6.68E-05	1.98E-04	9.24E-03	4.89E-03	0.00E+00	8.90E-07	5.41E-06	4.89E-03
100	486683.18, 3855793.15	1.29572	0.12029	0.01102	0.06164	5.24E-03	3.59E-03	7.03E-05	1.95E-04	9.09E-03	4.76E-03	0.00E+00	9.37E-07	5.31E-06	4.77E-03
101	486733.18, 3855793.15	1.25739	0.11939	0.01158	0.06052	5.08E-03	3.56E-03	7.39E-05	1.91E-04	8.91E-03	4.62E-03	0.00E+00	9.85E-07	5.21E-06	4.63E-03
102	486783.18, 3855793.15	1.22534	0.11879	0.012	0.05943	4.95E-03	3.54E-03	7.65E-05	1.88E-04	8.76E-03	4.50E-03	0.00E+00	1.02E-06	5.12E-06	4.51E-03
103	486533.18, 3855843.15	1.57136	0.13202	0.00947	0.06702	6.35E-03	3.94E-03	6.04E-05	2.12E-04	1.06E-02	5.78E-03	0.00E+00	8.05E-07	5.77E-06	5.78E-03
104	486583.18, 3855843.15	1.46789	0.128	0.00984	0.06578	5.93E-03	3.82E-03	6.28E-05	2.08E-04	1.00E-02	5.40E-03	0.00E+00	8.37E-07	5.66E-06	5.40E-03
105	486633.18, 3855843.15	1.42588	0.12731	0.01024	0.06444	5.76E-03	3.80E-03	6.53E-05	2.03E-04	9.83E-03	5.24E-03	0.00E+00	8.71E-07	5.55E-06	5.25E-03
106	486683.18, 3855843.15	1.38703	0.1267	0.01075	0.06314	5.61E-03	3.78E-03	6.86E-05	1.99E-04	9.65E-03	5.10E-03	0.00E+00	9.14E-07	5.44E-06	5.11E-03
107	486733.18, 3855843.15	1.34979	0.12611	0.01129	0.06187	5.46E-03	3.76E-03	7.20E-05	1.95E-04	9.49E-03	4.96E-03	0.00E+00	9.60E-07	5.33E-06	4.97E-03
108	486783.18, 3855843.15	1.31118	0.12527	0.0118	0.06067	5.30E-03	3.74E-03	7.53E-05	1.92E-04	9.30E-03	4.82E-03	0.00E+00	1.00E-06	5.22E-06	4.83E-03
109	486533.18, 3855893.15	1.63878	0.13635	0.00965	0.06874	6.62E-03	4.07E-03	6.16E-05	2.17E-04	1.10E-02	6.02E-03	0.00E+00	8.21E-07	5.92E-06	6.03E-03
110	486583.18, 3855893.15	1.58264	0.13529	0.00979	0.06722	6.40E-03	4.04E-03	6.24E-05	2.12E-04	1.07E-02	5.82E-03	0.00E+00	8.33E-07	5.79E-06	5.83E-03
111	486633.18, 3855893.15	1.52789	0.13411	0.01009	0.06575	6.18E-03	4.00E-03	6.44E-05	2.08E-04	1.04E-02	5.62E-03	0.00E+00	8.58E-07	5.66E-06	5.62E-03
112	486683.18, 3855893.15	1.48322	0.13336	0.01052	0.06432	6.00E-03	3.98E-03	6.71E-05	2.03E-04	1.02E-02	5.45E-03	0.00E+00	8.95E-07	5.54E-06	5.46E-03
113	486733.18, 3855893.15	1.44092	0.13263	0.01105	0.06294	5.82E-03	3.96E-03	7.05E-05	1.99E-04	1.01E-02	5.30E-03	0.00E+00	9.40E-07	5.42E-06	5.30E-03
114	486783.18, 3855893.15	1.40546	0.13226	0.01155	0.0616	5.68E-03	3.95E-03	7.37E-05	1.94E-04	9.90E-03	5.17E-03	0.00E+00	9.82E-07	5.30E-06	5.17E-03
115	486533.18, 3855943.15	1.74974	0.14295	0.00981	0.06999	7.07E-03	4.26E-03	6.26E-05	2.21E-04	1.16E-02	6.43E-03	0.00E+00	8.34E-07	6.03E-06	6.44E-03
116	486583.18, 3855943.15	1.70632	0.14287	0.00982	0.06828	6.90E-03	4.26E-03	6.26E-05	2.16E-04	1.14E-02	6.27E-03	0.00E+00	8.35E-07	5.88E-06	6.28E-03
117	486633.18, 3855943.15	1.63761	0.14118	0.01003	0.06671	6.62E-03	4.21E-03	6.40E-05	2.11E-04	1.11E-02	6.02E-03	0.00E+00	8.53E-07	5.74E-06	6.03E-03
118	486683.18, 3855943.15	1.5929	0.14072	0.01034	0.06515	6.44E-03	4.20E-03	6.60E-05	2.06E-04	1.09E-02	5.86E-03	0.00E+00	8.79E-07	5.61E-06	5.86E-03
119	486733.18, 3855943.15	1.53842	0.13947	0.01082	0.06369	6.22E-03	4.16E-03	6.90E-05	2.01E-04	1.06E-02	5.66E-03	0.00E+00	9.20E-07	5.48E-06	5.66E-03
120	486783.18, 3855943.15	1.50041	0.13916	0.01131	0.06225	6.06E-03	4.15E-03	7.21E-05	1.97E-04	1.05E-02	5.52E-03	0.00E+00	9.62E-07	5.36E-06	5.52E-03
121	486533.18, 3855993.15	1.88964	0.15075	0.00997	0.07082	7.64E-03	4.50E-03	6.36E-05	2.24E-04	1.24E-02	6.95E-03	0.00E+00	8.48E-07	6.10E-06	6.95E-03
122	486583.18, 3855993.15	1.82268	0.14974	0.00996	0.06903	7.37E-03	4.47E-03	6.35E-05	2.18E-04	1.21E-02	6.70E-03	0.00E+00	8.47E-07	5.94E-06	6.71E-03
123	486633.18, 3855993.15	1.75649	0.14853	0.01005	0.06733	7.10E-03	4.43E-03	6.41E-05	2.13E-04	1.18E-02	6.46E-03	0.00E+00	8.55E-07	5.80E-06	6.46E-03
124	486683.18, 3855993.15	1.70391	0.1479	0.01026	0.06568	6.89E-03	4.41E-03	6.54E-05	2.07E-04	1.16E-02	6.26E-03	0.00E+00	8.73E-07	5.66E-06	6.27E-03

125	486733.18, 3855993.15	1.64556	0.14672	0.01065	0.06414	6.65E-03	4.38E-03	6.79E-05	2.03E-04	1.13E-02	6.05E-03	0.00E+00	9.06E-07	5.52E-06	6.06E-03
126	486783.18, 3855993.15	1.59608	0.14592	0.01112	0.06265	6.45E-03	4.35E-03	7.09E-05	1.98E-04	1.11E-02	5.87E-03	0.00E+00	9.46E-07	5.39E-06	5.87E-03
127	486533.18, 3856043.15	2.03527	0.15845	0.01013	0.07133	8.23E-03	4.73E-03	6.46E-05	2.25E-04	1.32E-02	7.48E-03	0.00E+00	8.62E-07	6.14E-06	7.49E-03
128	486583.18, 3856043.15	1.96555	0.15773	0.0101	0.06943	7.95E-03	4.71E-03	6.44E-05	2.19E-04	1.29E-02	7.23E-03	0.00E+00	8.59E-07	5.98E-06	7.23E-03
129	486633.18, 3856043.15	1.88392	0.15605	0.01015	0.06767	7.62E-03	4.66E-03	6.47E-05	2.14E-04	1.25E-02	6.93E-03	0.00E+00	8.63E-07	5.83E-06	6.93E-03
130	486683.18, 3856043.15	1.82644	0.15551	0.01026	0.06595	7.38E-03	4.64E-03	6.54E-05	2.08E-04	1.23E-02	6.71E-03	0.00E+00	8.73E-07	5.68E-06	6.72E-03
131	486733.18, 3856043.15	1.75665	0.15396	0.01055	0.06436	7.10E-03	4.59E-03	6.73E-05	2.03E-04	1.20E-02	6.46E-03	0.00E+00	8.97E-07	5.54E-06	6.46E-03
132	486783.18, 3856043.15	1.70844	0.15363	0.01093	0.0628	6.91E-03	4.58E-03	6.97E-05	1.98E-04	1.18E-02	6.28E-03	0.00E+00	9.30E-07	5.41E-06	6.29E-03
133	486533.18, 3856093.15	2.20956	0.16707	0.01024	0.07153	8.93E-03	4.98E-03	6.53E-05	2.26E-04	1.42E-02	8.12E-03	0.00E+00	8.71E-07	6.16E-06	8.13E-03
134	486583.18, 3856093.15	2.11525	0.1656	0.01027	0.06961	8.55E-03	4.94E-03	6.55E-05	2.20E-04	1.38E-02	7.78E-03	0.00E+00	8.73E-07	5.99E-06	7.78E-03
135	486633.18, 3856093.15	2.02686	0.16403	0.01029	0.06778	8.19E-03	4.89E-03	6.56E-05	2.14E-04	1.34E-02	7.45E-03	0.00E+00	8.75E-07	5.84E-06	7.46E-03
136	486683.18, 3856093.15	1.95547	0.16311	0.01035	0.06603	7.90E-03	4.87E-03	6.60E-05	2.08E-04	1.30E-02	7.19E-03	0.00E+00	8.80E-07	5.69E-06	7.20E-03
137	486733.18, 3856093.15	1.88106	0.16171	0.01053	0.06439	7.60E-03	4.82E-03	6.72E-05	2.03E-04	1.27E-02	6.92E-03	0.00E+00	8.96E-07	5.54E-06	6.92E-03
138	486783.18, 3856093.15	1.82027	0.16094	0.01084	0.06282	7.36E-03	4.80E-03	6.91E-05	1.98E-04	1.24E-02	6.69E-03	0.00E+00	9.22E-07	5.41E-06	6.70E-03
139	486533.18, 3856143.15	2.39063	0.17534	0.01032	0.07158	9.66E-03	5.23E-03	6.58E-05	2.26E-04	1.52E-02	8.79E-03	0.00E+00	8.78E-07	6.16E-06	8.80E-03
140	486583.18, 3856143.15	2.27144	0.17322	0.01044	0.06963	9.18E-03	5.17E-03	6.66E-05	2.20E-04	1.46E-02	8.35E-03	0.00E+00	8.88E-07	6.00E-06	8.36E-03
141	486633.18, 3856143.15	2.18154	0.17212	0.01046	0.06775	8.82E-03	5.13E-03	6.67E-05	2.14E-04	1.42E-02	8.02E-03	0.00E+00	8.90E-07	5.83E-06	8.03E-03
142	486683.18, 3856143.15	2.09393	0.17078	0.0105	0.06597	8.46E-03	5.09E-03	6.70E-05	2.08E-04	1.38E-02	7.70E-03	0.00E+00	8.93E-07	5.68E-06	7.70E-03
143	486733.18, 3856143.15	2.01324	0.16949	0.0106	0.0643	8.14E-03	5.06E-03	6.76E-05	2.03E-04	1.35E-02	7.40E-03	0.00E+00	9.01E-07	5.54E-06	7.41E-03
144	486783.18, 3856143.15	1.95295	0.16931	0.0108	0.06266	7.89E-03	5.05E-03	6.89E-05	1.98E-04	1.32E-02	7.18E-03	0.00E+00	9.19E-07	5.40E-06	7.19E-03
145	486533.18, 3856193.15	2.60616	0.18435	0.01032	0.07147	1.05E-02	5.50E-03	6.58E-05	2.26E-04	1.63E-02	9.58E-03	0.00E+00	8.78E-07	6.15E-06	9.59E-03
146	486583.18, 3856193.15	2.45675	0.18157	0.01054	0.06951	9.93E-03	5.42E-03	6.72E-05	2.19E-04	1.56E-02	9.03E-03	0.00E+00	8.96E-07	5.99E-06	9.04E-03
147	486633.18, 3856193.15	2.35012	0.18027	0.01063	0.06759	9.50E-03	5.38E-03	6.78E-05	2.13E-04	1.52E-02	8.64E-03	0.00E+00	9.04E-07	5.82E-06	8.65E-03
148	486683.18, 3856193.15	2.26322	0.17966	0.01064	0.06576	9.15E-03	5.36E-03	6.79E-05	2.08E-04	1.48E-02	8.32E-03	0.00E+00	9.05E-07	5.66E-06	8.33E-03
149	486733.18, 3856193.15	2.1634	0.17783	0.01072	0.06406	8.74E-03	5.31E-03	6.84E-05	2.02E-04	1.43E-02	7.95E-03	0.00E+00	9.12E-07	5.52E-06	7.96E-03
150	486783.18, 3856193.15	2.09192	0.17754	0.01084	0.0624	8.46E-03	5.30E-03	6.91E-05	1.97E-04	1.40E-02	7.69E-03	0.00E+00	9.22E-07	5.37E-06	7.70E-03
151	486533.18, 3856243.15	2.84083	0.19306	0.01029	0.07126	1.15E-02	5.76E-03	6.56E-05	2.25E-04	1.75E-02	1.04E-02	0.00E+00	8.75E-07	6.14E-06	1.05E-02
152	486583.18, 3856243.15	2.68338	0.19093	0.01056	0.06923	1.08E-02	5.70E-03	6.74E-05	2.19E-04	1.68E-02	9.87E-03	0.00E+00	8.98E-07	5.96E-06	9.87E-03
153	486633.18, 3856243.15	2.54709	0.18903	0.01074	0.06729	1.03E-02	5.64E-03	6.85E-05	2.12E-04	1.62E-02	9.36E-03	0.00E+00	9.13E-07	5.79E-06	9.37E-03
154	486683.18, 3856243.15	2.4334	0.1877	0.01083	0.06544	9.84E-03	5.60E-03	6.91E-05	2.07E-04	1.57E-02	8.95E-03	0.00E+00	9.21E-07	5.64E-06	8.95E-03
155	486733.18, 3856243.15	2.33556	0.18682	0.01087	0.06367	9.44E-03	5.57E-03	6.93E-05	2.01E-04	1.53E-02	8.59E-03	0.00E+00	9.24E-07	5.48E-06	8.59E-03
156	486783.18, 3856243.15	2.2368	0.1854	0.01097	0.06201	9.04E-03	5.53E-03	7.00E-05	1.96E-04	1.48E-02	8.22E-03	0.00E+00	9.33E-07	5.34E-06	8.23E-03
157	486533.18, 3856293.15	3.12501	0.20239	0.01021	0.07086	1.26E-02	6.04E-03	6.51E-05	2.24E-04	1.90E-02	1.15E-02	0.00E+00	8.68E-07	6.10E-06	1.15E-02
158	486583.18, 3856293.15	2.93074	0.1999	0.01054	0.06879	1.18E-02	5.96E-03	6.72E-05	2.17E-04	1.81E-02	1.08E-02	0.00E+00	8.96E-07	5.92E-06	1.08E-02
159	486633.18, 3856293.15	2.77114	0.19799	0.0108	0.06681	1.12E-02	5.91E-03	6.89E-05	2.11E-04	1.74E-02	1.02E-02	0.00E+00	9.19E-07	5.75E-06	1.02E-02
160	486683.18, 3856293.15	2.63298	0.19635	0.01096	0.06493	1.06E-02	5.86E-03	6.99E-05	2.05E-04	1.68E-02	9.68E-03	0.00E+00	9.32E-07	5.59E-06	9.69E-03
161	486733.18, 3856293.15	2.52186	0.19566	0.01104	0.06311	1.02E-02	5.84E-03	7.04E-05	1.99E-04	1.63E-02	9.27E-03	0.00E+00	9.39E-07	5.43E-06	9.28E-03
162	486783.18, 3856293.15	2.40484	0.19398	0.01113	0.06142	9.72E-03	5.79E-03	7.10E-05	1.94E-04	1.58E-02	8.84E-03	0.00E+00	9.47E-07	5.29E-06	8.85E-03
163	486783.18, 3856343.15	2.60459	0.20359	0.01129	0.06058	1.05E-02	6.07E-03	7.20E-05	1.91E-04	1.69E-02	9.58E-03	0.00E+00	9.60E-07	5.22E-06	9.58E-03
164	486833.18, 3856343.15	2.48339	0.20219	0.01141	0.05895	1.00E-02	6.03E-03	7.28E-05	1.86E-04	1.63E-02	9.13E-03	0.00E+00	9.70E-07	5.08E-06	9.14E-03
165	486883.18, 3856343.15	2.37346	0.20093	0.01159	0.05741	9.59E-03	5.99E-03	7.39E-05	1.81E-04	1.58E-02	8.73E-03	0.00E+00	9.86E-07	4.94E-06	8.73E-03
166	486783.18, 3856393.15	2.80949	0.21183	0.01148	0.05953	1.14E-02	6.32E-03	7.32E-05	1.88E-04	1.79E-02	1.03E-02	0.00E+00	9.76E-07	5.13E-06	1.03E-02
167	486833.18, 3856393.15	2.67013	0.2105	0.01161	0.05789	1.08E-02	6.28E-03	7.41E-05	1.83E-04	1.73E-02	9.82E-03	0.00E+00	9.87E-07	4.98E-06	9.82E-03
168	486883.18, 3856393.15	2.53452	0.20836	0.01177	0.05637	1.02E-02	6.22E-03	7.51E-05	1.78E-04	1.67E-02	9.32E-03	0.00E+00	1.00E-06	4.85E-06	9.32E-03
169	487208.74, 3856886.11	3.55383	0.27209	0.01684	0.03453	1.44E-02	8.12E-03	1.07E-04	1.09E-04	2.27E-02	1.31E-02	0.00E+00	1.43E-06	2.97E-06	1.31E-02
170	487258.74, 3856886.11	3.25915	0.26834	0.01742	0.03409	1.32E-02	8.01E-03	1.11E-04	1.08E-04	2.14E-02	1.20E-02	0.00E+00	1.48E-06	2.94E-06	1.20E-02
171	487308.74, 3856886.11	3.00458	0.26498	0.01812	0.03367	1.21E-02	7.91E-03	1.16E-04	1.06E-04	2.03E-02	1.10E-02	0.00E+00	1.54E-06	2.90E-06	1.11E-02
172	487358.74, 3856886.11	2.78243	0.26116	0.01897	0.0333	1.12E-02	7.79E-03	1.21E-04	1.05E-04	1.93E-02	1.02E-02	0.00E+00	1.61E-06	2.87E-06	1.02E-02
173	487208.74, 3856936.11	3.83207	0.2793	0.01735	0.0333	1.55E-02	8.33E-03	1.11E-04	1.05E-04	2.40E-02	1.41E-02	0.00E+00	1.48E-06	2.87E-06	1.41E-02
174	487258.74, 3856936.11	3.45643	0.27543	0.01793	0.0329	1.40E-02	8.22E-03	1.14E-04	1.04E-04	2.24E-02	1.27E-02	0.00E+00	1.52E-06	2.83E-06	1.27E-02
175	487308.74, 3856936.11	3.13802	0.27206	0.01861	0.03253	1.27E-02	8.12E-03	1.19E-04	1.03E-04	2.10E-02	1.15E-02	0.00E+00	1.58E-06	2.80E-06	1.15E-02
176	487358.74, 3856936.11	2.86819	0.2684	0.01944	0.0322	1.16E-02	8.01E-03	1.24E-04	1.02E-04	1.98E-02	1.05E-02	0.00E+00	1.65E-06	2.77E-06	1.05E-02
177	487208.74, 3856986.11	4.07306	0.28625	0.01791	0.03214	1.65E-02	8.54E-03	1.14E-04	1.01E-04	2.52E-02	1.50E-02	0.00E+00	1.52E-06	2.77E-06	1.50E-02
178	487258.74, 3856986.11	3.57751	0.2831	0.01851	0.03178	1.45E-02	8.45E-03	1.18E-04	1.00E-04	2.31E-02	1.32E-02	0.00E+00	1.57E-06	2.74E-06	1.32E-02
179	487308.74, 3856986.11	3.19361	0.27864	0.0192	0.03147	1.29E-02	8.31E-03	1.22E-04	9.94E-05	2.14E-02	1.17E-02	0.00E+00	1.63E-06	2.71E-06	1.17E-02
180	487358.74, 3856986.11	2.87645	0.27556	0.02	0.03118	1.16E-02	8.22E-03	1.28E-04	9.84E-05	2.01E-02	1.06E-02	0.00E+00	1.70E-06	2.68E-06	1.06E-02
181	487208.74, 3857036.11	4.06288	0.29274	0.01854	0.03105	1.64E-02	8.73E-03	1.18E-04	9.80E-05	2.54E-02	1.49E-02	0.00E+00	1.58E-06	2.67E-06	1.49E-02
182	487258.74, 3857036.11	3.5029	0.289	0.01917	0.03074	1.42E-02	8.62E-03	1.22E-04	9.71E-05	2.30E-02	1.29E-02	0.00E+00	1.63E-06	2.65E-06	1.29E-02
183	487308.74, 3857036.11	3.08211	0.28589	0.01987	0.03047	1.25E-02	8.53E-03	1.27E-04	9.62E-05	2.12E-02	1.13E-02	0.00E+00	1.69E-06	2.62E-06	1.13E-02
184	487358.74, 3857036.11	2.75835	0.28228	0.02067	0.03023	1.11E-02	8.42E-03	1.32E-04	9.54E-05	1.98E-02	1.01E-02	0.00E+00	1.76E-06	2.60E-06	1.01E-02
185	487427.14, 3856878.23	2.50533	0.25669	0.0202	0.03296	1.01E-02	7.66E-03	1.29E-04	1.04E-04	1.80E-02	9.21E-03	0.00E+00	1.72E-06	2.84E-06	9.22E-03
186	487477.14, 3856878.23	2.34021	0.25385	0.0212	0.03261	9.46E-03	7.57E-03	1.35E-04	1.03E-04	1.73E-02	8.60E-03	0.00E+00	1.80E-06	2.81E-06	8.61E-03
187	487527.14, 3856878.23	2.19286	0.25075	0.02224	0.03226	8.86E-03	7.48E-03	1.42E-04	1.02E-04	1.66E-02	8.06E-03	0.00E+00	1.89E-06	2.78E-06	8.07E-03
188	487427.14, 3856928.23	2.55406	0.2634	0.02071	0.03192	1.03E-02	7.86E-03	1.32E-04	1.01E-04	1.84E-02	9.39E-03	0.00E+00	1.76E-06	2.75E-06	9.39E-03

189	487477.14, 3856928.23	2.36815	0.25967	0.0218	0.03162	9.57E-03	7.75E-03	1.39E-04	9.98E-05	1.76E-02	8.71E-03	0.00E+00	1.85E-06	2.72E-06	8.71E-03
190	487527.14, 3856928.23	2.20351	0.25677	0.02292	0.03131	8.91E-03	7.66E-03	1.46E-04	9.89E-05	1.68E-02	8.10E-03	0.00E+00	1.95E-06	2.70E-06	8.11E-03
191	487577.14, 3856928.23	2.05858	0.25388	0.02411	0.03101	8.32E-03	7.57E-03	1.54E-04	9.79E-05	1.61E-02	7.57E-03	0.00E+00	2.05E-06	2.67E-06	7.57E-03
192	487627.14, 3856928.23	1.93156	0.25032	0.02543	0.03075	7.81E-03	7.47E-03	1.62E-04	9.71E-05	1.55E-02	7.10E-03	0.00E+00	2.16E-06	2.65E-06	7.11E-03
193	487677.14, 3856928.23	1.81596	0.24812	0.02688	0.03049	7.34E-03	7.40E-03	1.71E-04	9.63E-05	1.50E-02	6.68E-03	0.00E+00	2.29E-06	2.63E-06	6.68E-03
194	487727.14, 3856928.23	1.71198	0.24619	0.0283	0.03026	6.92E-03	7.34E-03	1.81E-04	9.55E-05	1.45E-02	6.29E-03	0.00E+00	2.41E-06	2.61E-06	6.30E-03
195	487777.14, 3856928.23	1.61966	0.24353	0.02941	0.03005	6.55E-03	7.27E-03	1.88E-04	9.49E-05	1.41E-02	5.95E-03	0.00E+00	2.50E-06	2.59E-06	5.96E-03
196	487427.14, 3856978.23	2.54395	0.26934	0.02128	0.03096	1.03E-02	8.04E-03	1.36E-04	9.78E-05	1.86E-02	9.35E-03	0.00E+00	1.81E-06	2.67E-06	9.36E-03
197	487477.14, 3856978.23	2.33993	0.26621	0.02243	0.03069	9.46E-03	7.94E-03	1.43E-04	9.69E-05	1.76E-02	8.60E-03	0.00E+00	1.91E-06	2.64E-06	8.61E-03
198	487527.14, 3856978.23	2.16542	0.26311	0.02365	0.03043	8.75E-03	7.85E-03	1.51E-04	9.61E-05	1.68E-02	7.96E-03	0.00E+00	2.01E-06	2.62E-06	7.97E-03
199	487577.14, 3856978.23	2.01505	0.25987	0.02493	0.03019	8.15E-03	7.75E-03	1.59E-04	9.53E-05	1.62E-02	7.41E-03	0.00E+00	2.12E-06	2.60E-06	7.41E-03
200	487627.14, 3856978.23	1.88514	0.2561	0.02629	0.02999	7.62E-03	7.64E-03	1.68E-04	9.47E-05	1.55E-02	6.93E-03	0.00E+00	2.24E-06	2.58E-06	6.94E-03
201	487677.14, 3856978.23	1.76789	0.25371	0.0278	0.02979	7.15E-03	7.57E-03	1.77E-04	9.41E-05	1.50E-02	6.50E-03	0.00E+00	2.36E-06	2.57E-06	6.50E-03
202	487727.14, 3856978.23	1.66823	0.24915	0.02938	0.02964	6.74E-03	7.43E-03	1.87E-04	9.36E-05	1.45E-02	6.13E-03	0.00E+00	2.50E-06	2.55E-06	6.14E-03
203	487777.14, 3856978.23	1.57042	0.24944	0.03066	0.02945	6.35E-03	7.44E-03	1.96E-04	9.30E-05	1.41E-02	5.77E-03	0.00E+00	2.61E-06	2.54E-06	5.78E-03
204	487427.14, 3857028.23	2.44085	0.27622	0.02192	0.03006	9.87E-03	8.24E-03	1.40E-04	9.49E-05	1.83E-02	8.97E-03	0.00E+00	1.86E-06	2.59E-06	8.98E-03
205	487477.14, 3857028.23	2.23892	0.27266	0.02313	0.02984	9.05E-03	8.13E-03	1.48E-04	9.42E-05	1.74E-02	8.23E-03	0.00E+00	1.97E-06	2.57E-06	8.24E-03
206	487527.14, 3857028.23	2.06926	0.26894	0.02444	0.02964	8.36E-03	8.02E-03	1.56E-04	9.36E-05	1.66E-02	7.61E-03	0.00E+00	2.08E-06	2.55E-06	7.61E-03
207	487577.14, 3857028.23	1.92275	0.26575	0.02582	0.02946	7.77E-03	7.93E-03	1.65E-04	9.30E-05	1.60E-02	7.07E-03	0.00E+00	2.20E-06	2.54E-06	7.07E-03
208	487627.14, 3857028.23	1.79856	0.2616	0.02727	0.02932	7.27E-03	7.80E-03	1.74E-04	9.26E-05	1.53E-02	6.61E-03	0.00E+00	2.32E-06	2.52E-06	6.62E-03
209	487677.14, 3857028.23	1.68678	0.25882	0.02885	0.02919	6.82E-03	7.72E-03	1.84E-04	9.22E-05	1.48E-02	6.20E-03	0.00E+00	2.45E-06	2.51E-06	6.21E-03
210	487727.14, 3857028.23	1.58635	0.25695	0.03051	0.02906	6.41E-03	7.67E-03	1.95E-04	9.18E-05	1.44E-02	5.83E-03	0.00E+00	2.59E-06	2.50E-06	5.84E-03
211	487777.14, 3857028.23	1.49835	0.25451	0.03204	0.02895	6.06E-03	7.59E-03	2.04E-04	9.14E-05	1.39E-02	5.51E-03	0.00E+00	2.72E-06	2.49E-06	5.51E-03
212	487427.14, 3857078.23	2.2458	0.28245	0.02267	0.02923	9.08E-03	8.43E-03	1.45E-04	9.23E-05	1.77E-02	8.26E-03	0.00E+00	1.93E-06	2.52E-06	8.26E-03
213	487477.14, 3857078.23	2.06781	0.27839	0.0239	0.02907	8.36E-03	8.31E-03	1.52E-04	9.18E-05	1.69E-02	7.60E-03	0.00E+00	2.03E-06	2.50E-06	7.61E-03
214	487527.14, 3857078.23	1.91552	0.27492	0.0253	0.02893	7.74E-03	8.20E-03	1.61E-04	9.13E-05	1.62E-02	7.04E-03	0.00E+00	2.15E-06	2.49E-06	7.05E-03
215	487577.14, 3857078.23	1.78556	0.27135	0.02681	0.02882	7.22E-03	8.10E-03	1.71E-04	9.10E-05	1.56E-02	6.56E-03	0.00E+00	2.28E-06	2.48E-06	6.57E-03
216	487627.14, 3857078.23	1.67371	0.26754	0.02838	0.02874	6.77E-03	7.98E-03	1.81E-04	9.07E-05	1.50E-02	6.15E-03	0.00E+00	2.41E-06	2.47E-06	6.16E-03
217	487677.14, 3857078.23	1.57386	0.26455	0.03005	0.02868	6.36E-03	7.89E-03	1.92E-04	9.06E-05	1.45E-02	5.79E-03	0.00E+00	2.56E-06	2.47E-06	5.79E-03
218	487727.14, 3857078.23	1.48461	0.26207	0.03183	0.02861	6.00E-03	7.82E-03	2.03E-04	9.03E-05	1.41E-02	5.46E-03	0.00E+00	2.71E-06	2.46E-06	5.46E-03
219	487777.14, 3857078.23	1.40663	0.25894	0.03357	0.02855	5.69E-03	7.73E-03	2.14E-04	9.01E-05	1.37E-02	5.17E-03	0.00E+00	2.86E-06	2.46E-06	5.18E-03
220	487427.14, 3857128.23	1.98386	0.28857	0.02355	0.0285	8.02E-03	8.61E-03	1.50E-04	9.00E-05	1.69E-02	7.29E-03	0.00E+00	2.00E-06	2.45E-06	7.30E-03
221	487477.14, 3857128.23	1.84456	0.28411	0.02479	0.0284	7.46E-03	8.48E-03	1.58E-04	8.97E-05	1.62E-02	6.78E-03	0.00E+00	2.11E-06	2.45E-06	6.79E-03
222	487527.14, 3857128.23	1.724	0.2799	0.02624	0.02834	6.97E-03	8.35E-03	1.67E-04	8.95E-05	1.56E-02	6.34E-03	0.00E+00	2.23E-06	2.44E-06	6.34E-03
223	487577.14, 3857128.23	1.61708	0.27648	0.02788	0.0283	6.54E-03	8.25E-03	1.78E-04	8.94E-05	1.51E-02	5.95E-03	0.00E+00	2.37E-06	2.44E-06	5.95E-03
224	487627.14, 3857128.23	1.52287	0.27327	0.0296	0.02828	6.16E-03	8.15E-03	1.89E-04	8.93E-05	1.46E-02	5.60E-03	0.00E+00	2.52E-06	2.44E-06	5.60E-03
225	487677.14, 3857128.23	1.44106	0.26948	0.03141	0.02828	5.83E-03	8.04E-03	2.00E-04	8.93E-05	1.42E-02	5.30E-03	0.00E+00	2.67E-06	2.44E-06	5.30E-03
226	487727.14, 3857128.23	1.36427	0.26747	0.03333	0.02827	5.51E-03	7.98E-03	2.13E-04	8.93E-05	1.38E-02	5.02E-03	0.00E+00	2.83E-06	2.43E-06	5.02E-03
227	487777.14, 3857128.23	1.29816	0.26418	0.03526	0.02825	5.25E-03	7.88E-03	2.25E-04	8.92E-05	1.34E-02	4.77E-03	0.00E+00	3.00E-06	2.43E-06	4.78E-03
228	488049.44, 3856539.39	1.22631	0.19205	0.01747	0.03354	4.96E-03	5.73E-03	1.11E-04	1.06E-04	1.09E-02	4.51E-03	0.00E+00	1.49E-06	2.89E-06	4.51E-03
229	488099.44, 3856539.39	1.18886	0.18954	0.01702	0.03312	4.81E-03	5.65E-03	1.09E-04	1.05E-04	1.07E-02	4.37E-03	0.00E+00	1.45E-06	2.85E-06	4.38E-03
230	488149.44, 3856539.39	1.15321	0.18773	0.0169	0.03272	4.66E-03	5.60E-03	1.08E-04	1.03E-04	1.05E-02	4.24E-03	0.00E+00	1.44E-06	2.82E-06	4.24E-03
231	488049.44, 3856589.39	1.24989	0.19766	0.01828	0.03284	5.05E-03	5.90E-03	1.17E-04	1.04E-04	1.12E-02	4.60E-03	0.00E+00	1.55E-06	2.83E-06	4.60E-03
232	488099.44, 3856589.39	1.2099	0.19522	0.0178	0.03245	4.89E-03	5.82E-03	1.14E-04	1.02E-04	1.09E-02	4.45E-03	0.00E+00	1.51E-06	2.79E-06	4.45E-03
233	488149.44, 3856589.39	1.1718	0.19301	0.01767	0.03209	4.74E-03	5.76E-03	1.13E-04	1.01E-04	1.07E-02	4.31E-03	0.00E+00	1.50E-06	2.76E-06	4.31E-03
234	488199.44, 3856589.39	1.13542	0.19041	0.01783	0.03176	4.59E-03	5.68E-03	1.14E-04	1.00E-04	1.05E-02	4.17E-03	0.00E+00	1.52E-06	2.73E-06	4.18E-03
235	488249.44, 3856589.39	1.10082	0.18981	0.01821	0.03143	4.45E-03	5.66E-03	1.16E-04	9.92E-05	1.03E-02	4.05E-03	0.00E+00	1.55E-06	2.71E-06	4.05E-03
236	488049.44, 3856639.39	1.26949	0.20293	0.01916	0.03217	5.13E-03	6.05E-03	1.22E-04	1.02E-04	1.14E-02	4.67E-03	0.00E+00	1.63E-06	2.77E-06	4.67E-03
237	488099.44, 3856639.39	1.2269	0.20042	0.01865	0.03182	4.96E-03	5.98E-03	1.19E-04	1.00E-04	1.12E-02	4.51E-03	0.00E+00	1.59E-06	2.74E-06	4.52E-03
238	488149.44, 3856639.39	1.18644	0.19802	0.01851	0.03149	4.80E-03	5.91E-03	1.18E-04	9.94E-05	1.09E-02	4.36E-03	0.00E+00	1.57E-06	2.71E-06	4.37E-03
239	488199.44, 3856639.39	1.14774	0.19633	0.0187	0.03117	4.64E-03	5.86E-03	1.19E-04	9.84E-05	1.07E-02	4.22E-03	0.00E+00	1.59E-06	2.68E-06	4.22E-03
240	488249.44, 3856639.39	1.11105	0.19439	0.01907	0.03087	4.49E-03	5.80E-03	1.22E-04	9.75E-05	1.05E-02	4.08E-03	0.00E+00	1.62E-06	2.66E-06	4.09E-03
241	488299.44, 3856639.39	1.07612	0.19256	0.01952	0.03059	4.35E-03	5.74E-03	1.25E-04	9.66E-05	1.03E-02	3.96E-03	0.00E+00	1.66E-06	2.63E-06	3.96E-03
242	488349.44, 3856639.39	1.04308	0.1903	0.01997	0.03032	4.22E-03	5.68E-03	1.27E-04	9.57E-05	1.01E-02	3.83E-03	0.00E+00	1.70E-06	2.61E-06	3.84E-03
243	488399.44, 3856639.39	1.01105	0.18929	0.02045	0.03004	4.09E-03	5.65E-03	1.30E-04	9.48E-05	9.96E-03	3.72E-03	0.00E+00	1.74E-06	2.59E-06	3.72E-03
244	488099.44, 3856689.39	1.23848	0.20595	0.01959	0.0312	5.01E-03	6.14E-03	1.25E-04	9.85E-05	1.14E-02	4.55E-03	0.00E+00	1.67E-06	2.69E-06	4.56E-03
245	488149.44, 3856689.39	1.19585	0.20332	0.01944	0.0309	4.83E-03	6.07E-03	1.24E-04	9.76E-05	1.11E-02	4.40E-03	0.00E+00	1.65E-06	2.66E-06	4.40E-03
246	488199.44, 3856689.39	1.15507	0.20144	0.01964	0.03061	4.67E-03	6.01E-03	1.25E-04	9.66E-05	1.09E-02	4.25E-03	0.00E+00	1.67E-06	2.64E-06	4.25E-03
247	488249.44, 3856689.39	1.11691	0.19886	0.02003	0.03034	4.51E-03	5.93E-03	1.28E-04	9.58E-05	1.07E-02	4.11E-03	0.00E+00	1.70E-06	2.61E-06	4.11E-03
248	488299.44, 3856689.39	1.07996	0.19759	0.0205	0.03007	4.37E-03	5.89E-03	1.31E-04	9.49E-05	1.05E-02	3.97E-03	0.00E+00	1.74E-06	2.59E-06	3.97E-03
249	488349.44, 3856689.39	1.04556	0.19529	0.02096	0.02982	4.23E-03	5.83E-03	1.34E-04	9.42E-05	1.03E-02	3.84E-03	0.00E+00	1.78E-06	2.57E-06	3.85E-03
250	488399.44, 3856689.39	1.01336	0.19223	0.02144	0.02958	4.10E-03	5.73E-03	1.37E-04	9.34E-05	1.01E-02	3.73E-03	0.00E+00	1.82E-06	2.55E-06	3.73E-03
251	488099.44, 3856739.39	1.24366	0.21164	0.02063	0.0306	5.03E-03	6.31E-03	1.32E-04	9.66E-05	1.16E-02	4.57E-03	0.00E+00	1.75E-06	2.63E-06	4.58E-03
252	488149.44, 3856739.39	1.19943	0.20842	0.02047	0.03034	4.85E-03	6.22E-03	1.31E-04	9.58E-05	1.13E-02	4.41E-03	0.00E+00	1.74E-06	2.61E-06	4.41E-03

253	488199.44, 3856739.39	1.15634	0.20692	0.02069	0.03007	4.67E-03	6.17E-03	1.32E-04	9.49E-05	1.11E-02	4.25E-03	0.00E+00	1.76E-06	2.59E-06	4.26E-03
254	488249.44, 3856739.39	1.11674	0.2042	0.02109	0.02982	4.51E-03	6.09E-03	1.35E-04	9.42E-05	1.08E-02	4.11E-03	0.00E+00	1.79E-06	2.57E-06	4.11E-03
255	488299.44, 3856739.39	1.07992	0.20072	0.02155	0.0296	4.37E-03	5.99E-03	1.37E-04	9.35E-05	1.06E-02	3.97E-03	0.00E+00	1.83E-06	2.55E-06	3.97E-03
256	488349.44, 3856739.39	1.04314	0.20004	0.02205	0.02934	4.22E-03	5.97E-03	1.41E-04	9.26E-05	1.04E-02	3.84E-03	0.00E+00	1.88E-06	2.53E-06	3.84E-03
257	488399.44, 3856739.39	1.00835	0.19918	0.02256	0.02909	4.08E-03	5.94E-03	1.44E-04	9.18E-05	1.03E-02	3.71E-03	0.00E+00	1.92E-06	2.50E-06	3.71E-03
258	487999.44, 3856789.39	1.34696	0.22001	0.02339	0.03061	5.44E-03	6.56E-03	1.49E-04	9.66E-05	1.23E-02	4.95E-03	0.00E+00	1.99E-06	2.64E-06	4.96E-03
259	488049.44, 3856789.39	1.29331	0.21772	0.02238	0.03033	5.23E-03	6.50E-03	1.43E-04	9.58E-05	1.20E-02	4.75E-03	0.00E+00	1.90E-06	2.61E-06	4.76E-03
260	488099.44, 3856789.39	1.24225	0.2163	0.02177	0.03005	5.02E-03	6.45E-03	1.39E-04	9.49E-05	1.17E-02	4.57E-03	0.00E+00	1.85E-06	2.59E-06	4.57E-03
261	488149.44, 3856789.39	1.19584	0.21353	0.02161	0.02981	4.83E-03	6.37E-03	1.38E-04	9.41E-05	1.14E-02	4.40E-03	0.00E+00	1.84E-06	2.57E-06	4.40E-03
262	488199.44, 3856789.39	1.15159	0.21151	0.02184	0.02957	4.65E-03	6.31E-03	1.39E-04	9.34E-05	1.12E-02	4.23E-03	0.00E+00	1.86E-06	2.55E-06	4.24E-03
263	488249.44, 3856789.39	1.11062	0.20895	0.02226	0.02934	4.49E-03	6.23E-03	1.42E-04	9.26E-05	1.10E-02	4.08E-03	0.00E+00	1.89E-06	2.53E-06	4.09E-03
264	488299.44, 3856789.39	1.07266	0.20582	0.02273	0.02912	4.34E-03	6.14E-03	1.45E-04	9.19E-05	1.07E-02	3.94E-03	0.00E+00	1.93E-06	2.51E-06	3.95E-03
265	488349.44, 3856789.39	1.03477	0.20511	0.02325	0.02888	4.18E-03	6.12E-03	1.48E-04	9.12E-05	1.05E-02	3.80E-03	0.00E+00	1.98E-06	2.49E-06	3.81E-03
266	488399.44, 3856789.39	0.99966	0.20368	0.02377	0.02864	4.04E-03	6.08E-03	1.52E-04	9.04E-05	1.04E-02	3.68E-03	0.00E+00	2.02E-06	2.47E-06	3.68E-03
267	487949.44, 3856839.39	1.4005	0.22702	0.02594	0.0303	5.66E-03	6.77E-03	1.65E-04	9.57E-05	1.27E-02	5.15E-03	0.00E+00	2.21E-06	2.61E-06	5.15E-03
268	487999.44, 3856839.39	1.34047	0.22479	0.02475	0.03003	5.42E-03	6.71E-03	1.58E-04	9.48E-05	1.24E-02	4.93E-03	0.00E+00	2.10E-06	2.59E-06	4.93E-03
269	488049.44, 3856839.39	1.2849	0.22241	0.02369	0.02978	5.19E-03	6.64E-03	1.51E-04	9.40E-05	1.21E-02	4.72E-03	0.00E+00	2.01E-06	2.56E-06	4.73E-03
270	488099.44, 3856839.39	1.23269	0.22048	0.02303	0.02954	4.98E-03	6.58E-03	1.47E-04	9.33E-05	1.18E-02	4.53E-03	0.00E+00	1.96E-06	2.54E-06	4.54E-03
271	488149.44, 3856839.39	1.1841	0.21851	0.02287	0.02931	4.79E-03	6.52E-03	1.46E-04	9.25E-05	1.15E-02	4.35E-03	0.00E+00	1.95E-06	2.52E-06	4.36E-03
272	488199.44, 3856839.39	1.1389	0.21643	0.02311	0.02909	4.60E-03	6.46E-03	1.47E-04	9.18E-05	1.13E-02	4.19E-03	0.00E+00	1.97E-06	2.50E-06	4.19E-03
273	487949.44, 3856889.39	1.38438	0.23127	0.02748	0.02974	5.60E-03	6.90E-03	1.75E-04	9.39E-05	1.28E-02	5.09E-03	0.00E+00	2.34E-06	2.56E-06	5.09E-03
274	487999.44, 3856889.39	1.32158	0.22997	0.02627	0.02949	5.34E-03	6.86E-03	1.68E-04	9.31E-05	1.25E-02	4.86E-03	0.00E+00	2.23E-06	2.54E-06	4.86E-03
275	488049.44, 3856889.39	1.26618	0.22673	0.02514	0.02928	5.12E-03	6.76E-03	1.60E-04	9.24E-05	1.21E-02	4.66E-03	0.00E+00	2.14E-06	2.52E-06	4.66E-03
276	488099.44, 3856889.39	1.21266	0.22523	0.02445	0.02906	4.90E-03	6.72E-03	1.56E-04	9.18E-05	1.19E-02	4.46E-03	0.00E+00	2.08E-06	2.50E-06	4.46E-03
277	488635.86, 3857895.05	0.26436	0.33676	1.90204	0.04432	1.07E-03	1.00E-02	1.21E-02	1.40E-04	2.34E-02	9.72E-04	0.00E+00	1.62E-04	3.82E-06	1.14E-03
278	489137.64, 3857804.15	0.28583	0.28491	0.74151	0.03859	1.16E-03	8.50E-03	4.73E-03	1.22E-04	1.45E-02	1.05E-03	0.00E+00	6.31E-05	3.32E-06	1.12E-03
279	488617.32, 3857859.41	0.27766	0.3298	1.85116	0.04268	1.12E-03	9.84E-03	1.18E-02	1.35E-04	2.29E-02	1.02E-03	0.00E+00	1.57E-04	3.68E-06	1.18E-03
280	488667.32, 3857859.41	0.27781	0.32564	1.68179	0.04248	1.12E-03	9.71E-03	1.07E-02	1.34E-04	2.17E-02	1.02E-03	0.00E+00	1.43E-04	3.66E-06	1.17E-03
281	488717.32, 3857859.41	0.27772	0.32168	1.52652	0.04229	1.12E-03	9.60E-03	9.74E-03	1.34E-04	2.06E-02	1.02E-03	0.00E+00	1.30E-04	3.64E-06	1.15E-03
282	488767.32, 3857859.41	0.27677	0.31895	1.39034	0.04212	1.12E-03	9.52E-03	8.87E-03	1.33E-04	1.96E-02	1.02E-03	0.00E+00	1.18E-04	3.63E-06	1.14E-03
283	488617.32, 3857909.41	0.25906	0.34167	2.01229	0.04513	1.05E-03	1.02E-02	1.28E-02	1.42E-04	2.42E-02	9.52E-04	0.00E+00	1.71E-04	3.89E-06	1.13E-03
284	488667.32, 3857909.41	0.25886	0.33871	1.78786	0.04487	1.05E-03	1.01E-02	1.14E-02	1.42E-04	2.27E-02	9.52E-04	0.00E+00	1.52E-04	3.86E-06	1.11E-03
285	488717.32, 3857909.41	0.2599	0.33332	1.59228	0.04455	1.05E-03	9.94E-03	1.02E-02	1.41E-04	2.13E-02	9.56E-04	0.00E+00	1.35E-04	3.84E-06	1.09E-03
286	488767.32, 3857909.41	0.25959	0.33016	1.42885	0.04427	1.05E-03	9.85E-03	9.11E-03	1.40E-04	2.02E-02	9.54E-04	0.00E+00	1.22E-04	3.81E-06	1.08E-03
287	488417.32, 3857959.41	0.23849	0.37159	3.5866	0.04922	9.64E-04	1.11E-02	2.29E-02	1.55E-04	3.51E-02	8.77E-04	0.00E+00	3.05E-04	4.24E-06	1.19E-03
288	488467.32, 3857959.41	0.23916	0.36748	3.06147	0.04886	9.67E-04	1.10E-02	1.95E-02	1.54E-04	3.16E-02	8.79E-04	0.00E+00	2.60E-04	4.21E-06	1.14E-03
289	488517.32, 3857959.41	0.23985	0.36347	2.62329	0.04851	9.70E-04	1.08E-02	1.67E-02	1.53E-04	2.87E-02	8.82E-04	0.00E+00	2.23E-04	4.18E-06	1.11E-03
290	488567.32, 3857959.41	0.2405	0.3595	2.26443	0.04814	9.72E-04	1.07E-02	1.44E-02	1.52E-04	2.63E-02	8.84E-04	0.00E+00	1.93E-04	4.15E-06	1.08E-03
291	488617.32, 3857959.41	0.2414	0.35491	1.97028	0.04774	9.76E-04	1.06E-02	1.26E-02	1.51E-04	2.43E-02	8.88E-04	0.00E+00	1.68E-04	4.11E-06	1.06E-03
292	488667.32, 3857959.41	0.24225	0.35036	1.72865	0.04732	9.79E-04	1.05E-02	1.10E-02	1.49E-04	2.26E-02	8.91E-04	0.00E+00	1.47E-04	4.07E-06	1.04E-03
293	488717.32, 3857959.41	0.24269	0.34649	1.52848	0.04691	9.81E-04	1.03E-02	9.75E-03	1.48E-04	2.12E-02	8.92E-04	0.00E+00	1.30E-04	4.04E-06	1.03E-03
294	488767.32, 3857959.41	0.24321	0.34231	1.3624	0.04648	9.83E-04	1.02E-02	8.69E-03	1.47E-04	2.00E-02	8.94E-04	0.00E+00	1.16E-04	4.00E-06	1.01E-03
295	488417.32, 3858009.41	0.22266	0.38666	3.1561	0.05252	9.00E-04	1.15E-02	2.01E-02	1.66E-04	3.27E-02	8.19E-04	0.00E+00	2.68E-04	4.52E-06	1.09E-03
296	488467.32, 3858009.41	0.22297	0.3825	2.66653	0.05204	9.01E-04	1.14E-02	1.70E-02	1.64E-04	2.95E-02	8.20E-04	0.00E+00	2.27E-04	4.48E-06	1.05E-03
297	488517.32, 3858009.41	0.22352	0.37816	2.27468	0.05154	9.04E-04	1.13E-02	1.45E-02	1.63E-04	2.69E-02	8.22E-04	0.00E+00	1.93E-04	4.44E-06	1.02E-03
298	488567.32, 3858009.41	0.22411	0.37399	1.96316	0.05101	9.06E-04	1.12E-02	1.25E-02	1.61E-04	2.47E-02	8.24E-04	0.00E+00	1.67E-04	4.39E-06	9.95E-04
299	488617.32, 3858009.41	0.22524	0.36868	1.71443	0.05043	9.10E-04	1.10E-02	1.09E-02	1.59E-04	2.30E-02	8.28E-04	0.00E+00	1.46E-04	4.34E-06	9.78E-04
300	488667.32, 3858009.41	0.22632	0.36362	1.51035	0.04985	9.15E-04	1.08E-02	9.63E-03	1.57E-04	2.16E-02	8.32E-04	0.00E+00	1.28E-04	4.29E-06	9.65E-04
301	488717.32, 3858009.41	0.22715	0.35919	1.34149	0.04928	9.18E-04	1.07E-02	8.56E-03	1.56E-04	2.03E-02	8.35E-04	0.00E+00	1.14E-04	4.24E-06	9.53E-04
302	488767.32, 3858009.41	0.22787	0.35491	1.20093	0.04869	9.21E-04	1.06E-02	7.66E-03	1.54E-04	1.93E-02	8.38E-04	0.00E+00	1.02E-04	4.19E-06	9.44E-04
303	488417.32, 3858059.41	0.20879	0.40347	2.19923	0.05604	8.44E-04	1.20E-02	1.40E-02	1.77E-04	2.71E-02	7.68E-04	0.00E+00	1.87E-04	4.83E-06	9.59E-04
304	488467.32, 3858059.41	0.2087	0.39889	1.92797	0.05538	8.44E-04	1.19E-02	1.23E-02	1.75E-04	2.52E-02	7.67E-04	0.00E+00	1.64E-04	4.77E-06	9.36E-04
305	488517.32, 3858059.41	0.209	0.39394	1.69594	0.05467	8.45E-04	1.18E-02	1.08E-02	1.73E-04	2.36E-02	7.68E-04	0.00E+00	1.44E-04	4.71E-06	9.17E-04
306	488567.32, 3858059.41	0.20948	0.38914	1.50202	0.05394	8.47E-04	1.16E-02	9.58E-03	1.70E-04	2.22E-02	7.70E-04	0.00E+00	1.28E-04	4.64E-06	9.03E-04
307	488617.32, 3858059.41	0.21019	0.38419	1.33824	0.05318	8.50E-04	1.15E-02	8.54E-03	1.68E-04	2.10E-02	7.73E-04	0.00E+00	1.14E-04	4.58E-06	8.91E-04
308	488667.32, 3858059.41	0.21132	0.37855	1.2034	0.05241	8.54E-04	1.13E-02	7.68E-03	1.65E-04	2.00E-02	7.77E-04	0.00E+00	1.02E-04	4.51E-06	8.84E-04
309	488417.32, 3858109.41	0.19753	0.41933	1.3739	0.05969	7.98E-04	1.25E-02	8.76E-03	1.88E-04	2.23E-02	7.26E-04	0.00E+00	1.17E-04	5.14E-06	8.48E-04
310	488467.32, 3858109.41	0.1968	0.41497	1.27046	0.05879	7.96E-04	1.24E-02	8.10E-03	1.86E-04	2.15E-02	7.24E-04	0.00E+00	1.08E-04	5.06E-06	8.37E-04
311	488517.32, 3858109.41	0.19645	0.4104	1.16425	0.05786	7.94E-04	1.22E-02	7.43E-03	1.83E-04	2.06E-02	7.22E-04	0.00E+00	9.90E-05	4.98E-06	8.26E-04
312	488567.32, 3858109.41	0.19662	0.40505	1.06846	0.05688	7.95E-04	1.21E-02	6.82E-03	1.80E-04	1.99E-02	7.23E-04	0.00E+00	9.09E-05	4.90E-06	8.19E-04
313	488617.32, 3858109.41	0.19697	0.4	0.9797	0.05592	7.96E-04	1.19E-02	6.25E-03	1.77E-04	1.92E-02	7.24E-04	0.00E+00	8.33E-05	4.82E-06	8.12E-04
314	488667.32, 3858109.41	0.19795	0.39378	0.90479	0.05493	8.00E-04	1.17E-02	5.77E-03	1.73E-04	1.85E-02	7.28E-04	0.00E+00	7.69E-05	4.73E-06	8.09E-04
315	488769.93, 3858449.27	0.14132	0.50129	0.12814	0.06955	5.71E-04	1.50E-02	8.17E-04	2.20E-04	1.66E-02	5.20E-04	0.00E+00	1.09E-05	5.99E-06	5.36E-04
316	488819.93, 3858449.27	0.14073	0.49284	0.13491	0.06785	5.69E-04	1.47E-02	8.61E-04	2.14E-04	1.63E-02	5.17E-04	0.00E+00	1.15E-05	5.84E-06	5.35E-04

317	488819.93, 3858499.27	0.13566	0.51865	0.10418	0.06994	5.48E-04	1.55E-02	6.65E-04	2.21E-04	1.69E-02	4.99E-04	0.00E+00	8.86E-06	6.02E-06	5.14E-04
318	488869.93, 3858499.27	0.13507	0.51046	0.10987	0.06821	5.46E-04	1.52E-02	7.01E-04	2.15E-04	1.67E-02	4.97E-04	0.00E+00	9.34E-06	5.87E-06	5.12E-04
319	488869.93, 3858549.27	0.13048	0.54118	0.08673	0.07001	5.27E-04	1.61E-02	5.53E-04	2.21E-04	1.74E-02	4.80E-04	0.00E+00	7.38E-06	6.03E-06	4.93E-04
320	489438.17, 3859571.48	0.07269	0.80683	0.01541	0.1484	2.94E-04	2.41E-02	9.83E-05	4.69E-04	2.49E-02	2.67E-04	0.00E+00	1.31E-06	1.28E-05	2.81E-04
321	489488.17, 3859571.48	0.07286	0.78103	0.01567	0.1409	2.95E-04	2.33E-02	1.00E-04	4.45E-04	2.41E-02	2.68E-04	0.00E+00	1.33E-06	1.21E-05	2.81E-04
322	489538.17, 3859571.48	0.07292	0.75719	0.01597	0.13403	2.95E-04	2.26E-02	1.02E-04	4.23E-04	2.34E-02	2.68E-04	0.00E+00	1.36E-06	1.15E-05	2.81E-04
323	489588.17, 3859571.48	0.07279	0.73647	0.01628	0.12785	2.94E-04	2.20E-02	1.04E-04	4.04E-04	2.28E-02	2.68E-04	0.00E+00	1.38E-06	1.10E-05	2.80E-04
324	489438.17, 3859621.48	0.07054	0.7899	0.01484	0.15023	2.85E-04	2.36E-02	9.47E-05	4.74E-04	2.44E-02	2.59E-04	0.00E+00	1.26E-06	1.29E-05	2.74E-04
325	489488.17, 3859621.48	0.07077	0.76704	0.01503	0.14231	2.86E-04	2.29E-02	9.59E-05	4.49E-04	2.37E-02	2.60E-04	0.00E+00	1.28E-06	1.23E-05	2.74E-04
326	489538.17, 3859621.48	0.07095	0.74512	0.01527	0.13507	2.87E-04	2.22E-02	9.74E-05	4.26E-04	2.30E-02	2.61E-04	0.00E+00	1.30E-06	1.16E-05	2.74E-04
327	489588.17, 3859621.48	0.07109	0.72319	0.01558	0.12834	2.87E-04	2.16E-02	9.94E-05	4.05E-04	2.24E-02	2.61E-04	0.00E+00	1.33E-06	1.11E-05	2.74E-04
328	489238.17, 3859671.48	0.06683	0.87325	0.01345	0.19293	2.70E-04	2.61E-02	8.58E-05	6.09E-04	2.70E-02	2.46E-04	0.00E+00	1.14E-06	1.66E-05	2.63E-04
329	489288.17, 3859671.48	0.06719	0.84746	0.01373	0.18048	2.72E-04	2.53E-02	8.76E-05	5.70E-04	2.62E-02	2.47E-04	0.00E+00	1.17E-06	1.55E-05	2.64E-04
330	489338.17, 3859671.48	0.06762	0.82194	0.01398	0.1692	2.73E-04	2.45E-02	8.92E-05	5.34E-04	2.54E-02	2.49E-04	0.00E+00	1.19E-06	1.46E-05	2.64E-04
331	489388.17, 3859671.48	0.06811	0.79627	0.0142	0.15892	2.75E-04	2.38E-02	9.06E-05	5.02E-04	2.46E-02	2.50E-04	0.00E+00	1.21E-06	1.37E-05	2.65E-04
332	489438.17, 3859671.48	0.06844	0.77484	0.01435	0.14992	2.77E-04	2.31E-02	9.15E-05	4.73E-04	2.40E-02	2.52E-04	0.00E+00	1.22E-06	1.29E-05	2.66E-04
333	489488.17, 3859671.48	0.06886	0.75183	0.01456	0.14156	2.78E-04	2.24E-02	9.29E-05	4.47E-04	2.32E-02	2.53E-04	0.00E+00	1.24E-06	1.22E-05	2.67E-04
334	489538.17, 3859671.48	0.06914	0.73124	0.01476	0.13407	2.79E-04	2.18E-02	9.41E-05	4.23E-04	2.26E-02	2.54E-04	0.00E+00	1.26E-06	1.15E-05	2.67E-04
335	489588.17, 3859671.48	0.06937	0.71118	0.015	0.12722	2.80E-04	2.12E-02	9.57E-05	4.02E-04	2.20E-02	2.55E-04	0.00E+00	1.28E-06	1.10E-05	2.67E-04
336	489238.17, 3859721.48	0.06486	0.85648	0.01295	0.19016	2.62E-04	2.56E-02	8.26E-05	6.00E-04	2.65E-02	2.38E-04	0.00E+00	1.10E-06	1.64E-05	2.56E-04
337	489288.17, 3859721.48	0.06531	0.82663	0.01331	0.17749	2.64E-04	2.47E-02	8.49E-05	5.60E-04	2.56E-02	2.40E-04	0.00E+00	1.13E-06	1.53E-05	2.57E-04
338	489338.17, 3859721.48	0.0657	0.80403	0.01358	0.16634	2.66E-04	2.40E-02	8.66E-05	5.25E-04	2.49E-02	2.42E-04	0.00E+00	1.15E-06	1.43E-05	2.57E-04
339	489388.17, 3859721.48	0.06609	0.78264	0.01378	0.15635	2.67E-04	2.33E-02	8.79E-05	4.94E-04	2.42E-02	2.43E-04	0.00E+00	1.17E-06	1.35E-05	2.58E-04
340	489438.17, 3859721.48	0.06644	0.76276	0.01394	0.14741	2.69E-04	2.28E-02	8.89E-05	4.65E-04	2.36E-02	2.44E-04	0.00E+00	1.19E-06	1.27E-05	2.58E-04
341	489488.17, 3859721.48	0.06692	0.74074	0.01414	0.13907	2.71E-04	2.21E-02	9.02E-05	4.39E-04	2.29E-02	2.46E-04	0.00E+00	1.20E-06	1.20E-05	2.59E-04
342	489538.17, 3859721.48	0.0673	0.72078	0.01432	0.13161	2.72E-04	2.15E-02	9.13E-05	4.16E-04	2.23E-02	2.47E-04	0.00E+00	1.22E-06	1.13E-05	2.60E-04
343	489588.17, 3859721.48	0.06761	0.70182	0.01451	0.12482	2.73E-04	2.09E-02	9.26E-05	3.94E-04	2.17E-02	2.49E-04	0.00E+00	1.23E-06	1.07E-05	2.61E-04
344	489238.17, 3859771.48	0.06304	0.84486	0.01246	0.18444	2.55E-04	2.52E-02	7.95E-05	5.82E-04	2.61E-02	2.32E-04	0.00E+00	1.06E-06	1.59E-05	2.49E-04
345	489288.17, 3859771.48	0.06345	0.8166	0.01286	0.17237	2.56E-04	2.44E-02	8.20E-05	5.44E-04	2.52E-02	2.33E-04	0.00E+00	1.09E-06	1.48E-05	2.49E-04
346	489338.17, 3859771.48	0.06375	0.79623	0.01314	0.16182	2.58E-04	2.38E-02	8.38E-05	5.11E-04	2.46E-02	2.34E-04	0.00E+00	1.12E-06	1.39E-05	2.49E-04
347	489388.17, 3859771.48	0.06414	0.77521	0.01339	0.15221	2.59E-04	2.31E-02	8.54E-05	4.81E-04	2.40E-02	2.36E-04	0.00E+00	1.14E-06	1.31E-05	2.50E-04
348	489438.17, 3859771.48	0.06447	0.7564	0.01355	0.14362	2.61E-04	2.26E-02	8.64E-05	4.53E-04	2.34E-02	2.37E-04	0.00E+00	1.15E-06	1.24E-05	2.51E-04
349	489488.17, 3859771.48	0.06503	0.73385	0.01377	0.13548	2.63E-04	2.19E-02	8.78E-05	4.28E-04	2.27E-02	2.39E-04	0.00E+00	1.17E-06	1.17E-05	2.52E-04
350	489538.17, 3859771.48	0.06551	0.71315	0.01396	0.12819	2.65E-04	2.13E-02	8.90E-05	4.05E-04	2.20E-02	2.41E-04	0.00E+00	1.19E-06	1.10E-05	2.53E-04
351	489588.17, 3859771.48	0.06581	0.69599	0.0141	0.12167	2.66E-04	2.08E-02	8.99E-05	3.84E-04	2.15E-02	2.42E-04	0.00E+00	1.20E-06	1.05E-05	2.54E-04
352	489238.17, 3859821.48	0.06129	0.84458	0.01197	0.1782	2.48E-04	2.52E-02	7.64E-05	5.63E-04	2.61E-02	2.25E-04	0.00E+00	1.02E-06	1.53E-05	2.42E-04
353	489288.17, 3859821.48	0.06167	0.81628	0.0124	0.16684	2.49E-04	2.44E-02	7.91E-05	5.27E-04	2.52E-02	2.27E-04	0.00E+00	1.05E-06	1.44E-05	2.42E-04
354	489338.17, 3859821.48	0.06195	0.79514	0.01273	0.15685	2.50E-04	2.37E-02	8.12E-05	4.95E-04	2.45E-02	2.28E-04	0.00E+00	1.08E-06	1.35E-05	2.42E-04
355	489388.17, 3859821.48	0.0623	0.77419	0.013	0.14773	2.52E-04	2.31E-02	8.29E-05	4.66E-04	2.39E-02	2.29E-04	0.00E+00	1.11E-06	1.27E-05	2.43E-04
356	489438.17, 3859821.48	0.06278	0.75181	0.01325	0.13926	2.54E-04	2.24E-02	8.45E-05	4.40E-04	2.32E-02	2.31E-04	0.00E+00	1.13E-06	1.20E-05	2.44E-04
357	489488.17, 3859821.48	0.06326	0.73042	0.01346	0.13159	2.56E-04	2.18E-02	8.59E-05	4.15E-04	2.25E-02	2.33E-04	0.00E+00	1.14E-06	1.13E-05	2.45E-04
358	489538.17, 3859821.48	0.06373	0.70955	0.01364	0.12458	2.58E-04	2.12E-02	8.70E-05	3.93E-04	2.19E-02	2.34E-04	0.00E+00	1.16E-06	1.07E-05	2.46E-04
359	489588.17, 3859821.48	0.06408	0.69224	0.01377	0.11829	2.59E-04	2.07E-02	8.78E-05	3.73E-04	2.14E-02	2.36E-04	0.00E+00	1.17E-06	1.02E-05	2.47E-04
360	489238.17, 3859871.48	0.0597	0.85459	0.0115	0.17223	2.41E-04	2.55E-02	7.34E-05	5.44E-04	2.64E-02	2.19E-04	0.00E+00	9.78E-07	1.48E-05	2.35E-04
361	489288.17, 3859871.48	0.05996	0.82977	0.01193	0.1617	2.42E-04	2.48E-02	7.61E-05	5.11E-04	2.56E-02	2.20E-04	0.00E+00	1.01E-06	1.39E-05	2.35E-04
362	489338.17, 3859871.48	0.06025	0.80187	0.0123	0.1521	2.44E-04	2.39E-02	7.85E-05	4.80E-04	2.47E-02	2.22E-04	0.00E+00	1.05E-06	1.31E-05	2.36E-04
363	489388.17, 3859871.48	0.06065	0.77752	0.01264	0.14322	2.45E-04	2.32E-02	8.06E-05	4.52E-04	2.40E-02	2.23E-04	0.00E+00	1.07E-06	1.23E-05	2.36E-04
364	489438.17, 3859871.48	0.06119	0.75138	0.01297	0.13498	2.47E-04	2.24E-02	8.27E-05	4.26E-04	2.32E-02	2.25E-04	0.00E+00	1.10E-06	1.16E-05	2.38E-04
365	489488.17, 3859871.48	0.06178	0.72434	0.01328	0.12743	2.50E-04	2.16E-02	8.47E-05	4.02E-04	2.23E-02	2.27E-04	0.00E+00	1.13E-06	1.10E-05	2.39E-04
366	489538.17, 3859871.48	0.06208	0.70779	0.01339	0.12088	2.51E-04	2.11E-02	8.54E-05	3.82E-04	2.18E-02	2.28E-04	0.00E+00	1.14E-06	1.04E-05	2.40E-04
367	489588.17, 3859871.48	0.06246	0.68919	0.01353	0.11477	2.52E-04	2.06E-02	8.63E-05	3.62E-04	2.13E-02	2.30E-04	0.00E+00	1.15E-06	9.88E-06	2.41E-04
368	489238.17, 3859921.48	0.05828	0.87323	0.01106	0.16534	2.36E-04	2.61E-02	7.05E-05	5.22E-04	2.69E-02	2.14E-04	0.00E+00	9.41E-07	1.42E-05	2.29E-04
369	489288.17, 3859921.48	0.05858	0.83783	0.01153	0.15541	2.37E-04	2.50E-02	7.35E-05	4.91E-04	2.58E-02	2.15E-04	0.00E+00	9.81E-07	1.34E-05	2.30E-04
370	489338.17, 3859921.48	0.05884	0.8107	0.01194	0.14638	2.38E-04	2.42E-02	7.62E-05	4.62E-04	2.50E-02	2.16E-04	0.00E+00	1.02E-06	1.26E-05	2.30E-04
371	489388.17, 3859921.48	0.05924	0.78197	0.01234	0.13789	2.39E-04	2.33E-02	7.87E-05	4.35E-04	2.41E-02	2.18E-04	0.00E+00	1.05E-06	1.19E-05	2.31E-04
372	489438.17, 3859921.48	0.05979	0.75031	0.01275	0.12998	2.42E-04	2.24E-02	8.13E-05	4.10E-04	2.31E-02	2.20E-04	0.00E+00	1.08E-06	1.12E-05	2.32E-04
373	489488.17, 3859921.48	0.06019	0.72663	0.01302	0.12296	2.43E-04	2.17E-02	8.30E-05	3.88E-04	2.24E-02	2.21E-04	0.00E+00	1.11E-06	1.06E-05	2.33E-04
374	489538.17, 3859921.48	0.06052	0.70734	0.01319	0.11659	2.45E-04	2.11E-02	8.41E-05	3.68E-04	2.18E-02	2.23E-04	0.00E+00	1.12E-06	1.00E-05	2.34E-04
375	489588.17, 3859921.48	0.06098	0.68437	0.01338	0.11063	2.46E-04	2.04E-02	8.53E-05	3.49E-04	2.11E-02	2.24E-04	0.00E+00	1.14E-06	9.53E-06	2.35E-04
376	489238.17, 3859971.48	0.05697	0.89194	0.01064	0.15675	2.30E-04	2.66E-02	6.79E-05	4.95E-04	2.74E-02	2.09E-04	0.00E+00	9.05E-07	1.35E-05	2.24E-04
377	489288.17, 3859971.48	0.05717	0.85779	0.01109	0.14768	2.31E-04	2.56E-02	7.07E-05	4.66E-04	2.64E-02	2.10E-04	0.00E+00	9.43E-07	1.27E-05	2.24E-04
378	489338.17, 3859971.48	0.05747	0.82434	0.01155	0.13915	2.32E-04	2.46E-02	7.37E-05	4.39E-04	2.53E-02	2.11E-04	0.00E+00	9.82E-07	1.20E-05	2.24E-04
379	489388.17, 3859971.48	0.05792	0.78862	0.01204	0.13113	2.34E-04	2.35E-02	7.68E-05	4.14E-04	2.43E-02	2.13E-04	0.00E+00	1.02E-06	1.13E-05	2.25E-04
380	489438.17, 3859971.48	0.05848	0.74972	0.01254	0.12368	2.36E-04	2.24E-02	8.00E-05	3.91E-04	2.31E-02	2.15E-04	0.00E+00	1.07E-06	1.07E-05	2.27E-04

381	489488.17, 3859971.48	0.05912	0.70612	0.01292	0.11688	2.39E-04	2.11E-02	8.24E-05	3.69E-04	2.18E-02	2.17E-04	0.00E+00	1.10E-06	1.01E-05	2.29E-04
382	489538.17, 3859971.48	0.05959	0.67432	0.01302	0.11081	2.41E-04	2.01E-02	8.30E-05	3.50E-04	2.08E-02	2.19E-04	0.00E+00	1.11E-06	9.54E-06	2.30E-04
383	489588.17, 3859971.48	0.06001	0.64867	0.0131	0.10529	2.43E-04	1.94E-02	8.36E-05	3.32E-04	2.00E-02	2.21E-04	0.00E+00	1.11E-06	9.07E-06	2.31E-04
384	483577.7, 3854071	0.10153	0.02624	0.00387	0.01267	4.10E-04	7.83E-04	2.47E-05	4.00E-05	1.26E-03	3.73E-04	0.00E+00	3.29E-07	1.09E-06	3.75E-04
385	483627.7, 3854071	0.1056	0.02573	0.00387	0.01281	4.27E-04	7.68E-04	2.47E-05	4.04E-05	1.26E-03	3.88E-04	0.00E+00	3.29E-07	1.10E-06	3.90E-04
386	483677.7, 3854071	0.10906	0.02508	0.00387	0.01293	4.41E-04	7.48E-04	2.47E-05	4.08E-05	1.25E-03	4.01E-04	0.00E+00	3.29E-07	1.11E-06	4.02E-04
387	483727.7, 3854071	0.11168	0.02443	0.00387	0.01306	4.51E-04	7.29E-04	2.47E-05	4.12E-05	1.25E-03	4.11E-04	0.00E+00	3.29E-07	1.12E-06	4.12E-04
388	483777.7, 3854071	0.11316	0.02341	0.00388	0.01327	4.57E-04	6.98E-04	2.47E-05	4.19E-05	1.22E-03	4.16E-04	0.00E+00	3.30E-07	1.14E-06	4.18E-04
389	483577.7, 3854121	0.10223	0.02711	0.00391	0.01342	4.13E-04	8.09E-04	2.49E-05	4.24E-05	1.29E-03	3.76E-04	0.00E+00	3.33E-07	1.16E-06	3.77E-04
390	483627.7, 3854121	0.10674	0.02627	0.00391	0.01357	4.31E-04	7.84E-04	2.49E-05	4.28E-05	1.28E-03	3.92E-04	0.00E+00	3.33E-07	1.17E-06	3.94E-04
391	483677.7, 3854121	0.11085	0.02519	0.00391	0.01371	4.48E-04	7.52E-04	2.49E-05	4.33E-05	1.27E-03	4.08E-04	0.00E+00	3.33E-07	1.18E-06	4.09E-04
392	483727.7, 3854121	0.11421	0.02409	0.00391	0.01393	4.62E-04	7.19E-04	2.49E-05	4.40E-05	1.25E-03	4.20E-04	0.00E+00	3.33E-07	1.20E-06	4.21E-04
393	483777.7, 3854121	0.11765	0.02342	0.00391	0.01424	4.76E-04	6.99E-04	2.49E-05	4.50E-05	1.24E-03	4.33E-04	0.00E+00	3.33E-07	1.23E-06	4.34E-04
394	483577.7, 3854171	0.10294	0.02721	0.00395	0.01429	4.16E-04	8.12E-04	2.52E-05	4.51E-05	1.30E-03	3.78E-04	0.00E+00	3.36E-07	1.23E-06	3.80E-04
395	483627.7, 3854171	0.10747	0.02595	0.00395	0.01446	4.34E-04	7.74E-04	2.52E-05	4.57E-05	1.28E-03	3.95E-04	0.00E+00	3.36E-07	1.25E-06	3.97E-04
396	483677.7, 3854171	0.11199	0.02504	0.00395	0.01468	4.53E-04	7.47E-04	2.52E-05	4.64E-05	1.27E-03	4.12E-04	0.00E+00	3.36E-07	1.26E-06	4.13E-04
397	483727.7, 3854171	0.11646	0.02432	0.00395	0.01501	4.71E-04	7.26E-04	2.52E-05	4.74E-05	1.27E-03	4.28E-04	0.00E+00	3.36E-07	1.29E-06	4.30E-04
398	483777.7, 3854171	0.12015	0.02353	0.00395	0.01543	4.86E-04	7.02E-04	2.52E-05	4.87E-05	1.26E-03	4.42E-04	0.00E+00	3.36E-07	1.33E-06	4.43E-04
399	483827.7, 3854171	0.12194	0.0224	0.00396	0.01589	4.93E-04	6.68E-04	2.53E-05	5.02E-05	1.24E-03	4.48E-04	0.00E+00	3.37E-07	1.37E-06	4.50E-04
400	483877.7, 3854171	0.12263	0.02186	0.00396	0.0163	4.96E-04	6.52E-04	2.53E-05	5.15E-05	1.22E-03	4.51E-04	0.00E+00	3.37E-07	1.40E-06	4.53E-04
401	483727.7, 3854221	0.11725	0.02475	0.00399	0.01638	4.74E-04	7.38E-04	2.55E-05	5.17E-05	1.29E-03	4.31E-04	0.00E+00	3.39E-07	1.41E-06	4.33E-04
402	483777.7, 3854221	0.1215	0.0239	0.00399	0.0169	4.91E-04	7.13E-04	2.55E-05	5.34E-05	1.28E-03	4.47E-04	0.00E+00	3.39E-07	1.46E-06	4.48E-04
403	483827.7, 3854221	0.12568	0.0237	0.004	0.0174	5.08E-04	7.07E-04	2.55E-05	5.49E-05	1.30E-03	4.62E-04	0.00E+00	3.40E-07	1.50E-06	4.64E-04
404	483877.7, 3854221	0.12729	0.02282	0.004	0.01785	5.15E-04	6.81E-04	2.55E-05	5.64E-05	1.28E-03	4.68E-04	0.00E+00	3.40E-07	1.54E-06	4.70E-04
405	489150.19, 3858726.45	0.11381	0.63731	0.05735	0.07222	4.60E-04	1.90E-02	3.66E-04	2.28E-04	2.01E-02	4.18E-04	0.00E+00	4.88E-06	6.22E-06	4.30E-04
406	489200.19, 3858726.45	0.11331	0.62433	0.05938	0.07136	4.58E-04	1.86E-02	3.79E-04	2.25E-04	1.97E-02	4.17E-04	0.00E+00	5.05E-06	6.14E-06	4.28E-04
407	489150.19, 3858776.45	0.11047	0.69432	0.04908	0.07584	4.47E-04	2.07E-02	3.13E-04	2.39E-04	2.17E-02	4.06E-04	0.00E+00	4.17E-06	6.53E-06	4.17E-04
408	489200.19, 3858776.45	0.10996	0.67485	0.05106	0.07499	4.44E-04	2.01E-02	3.26E-04	2.37E-04	2.11E-02	4.04E-04	0.00E+00	4.34E-06	6.46E-06	4.15E-04
409	488919.6, 3856400.76	0.74466	0.15134	0.01939	0.02953	3.01E-03	4.51E-03	1.24E-04	9.32E-05	7.74E-03	2.74E-03	0.00E+00	1.65E-06	2.54E-06	2.74E-03
410	488919.6, 3856450.76	0.75111	0.15535	0.02006	0.02913	3.04E-03	4.63E-03	1.28E-04	9.20E-05	7.89E-03	2.76E-03	0.00E+00	1.71E-06	2.51E-06	2.77E-03
411	488969.6, 3856450.76	0.7338	0.15381	0.02029	0.02893	2.97E-03	4.59E-03	1.29E-04	9.13E-05	7.78E-03	2.70E-03	0.00E+00	1.73E-06	2.49E-06	2.70E-03
412	488919.6, 3856500.76	0.75574	0.15938	0.02081	0.02875	3.05E-03	4.75E-03	1.33E-04	9.08E-05	8.03E-03	2.78E-03	0.00E+00	1.77E-06	2.48E-06	2.78E-03
413	488969.6, 3856500.76	0.73792	0.15808	0.02107	0.02858	2.98E-03	4.72E-03	1.34E-04	9.02E-05	7.92E-03	2.71E-03	0.00E+00	1.79E-06	2.46E-06	2.72E-03
414	488919.6, 3856550.76	0.75831	0.16373	0.02166	0.02842	3.07E-03	4.88E-03	1.38E-04	8.97E-05	8.18E-03	2.79E-03	0.00E+00	1.84E-06	2.45E-06	2.79E-03
415	488969.6, 3856550.76	0.73998	0.1621	0.02204	0.02828	2.99E-03	4.84E-03	1.41E-04	8.93E-05	8.06E-03	2.72E-03	0.00E+00	1.87E-06	2.44E-06	2.72E-03
416	488819.6, 3856600.76	0.79805	0.17073	0.022	0.02841	3.23E-03	5.09E-03	1.40E-04	8.97E-05	8.55E-03	2.93E-03	0.00E+00	1.87E-06	2.45E-06	2.94E-03
417	488869.6, 3856600.76	0.7778	0.16903	0.02233	0.02826	3.14E-03	5.04E-03	1.42E-04	8.92E-05	8.42E-03	2.86E-03	0.00E+00	1.90E-06	2.43E-06	2.86E-03
418	488919.6, 3856600.76	0.75828	0.16764	0.02273	0.02813	3.07E-03	5.00E-03	1.45E-04	8.88E-05	8.30E-03	2.79E-03	0.00E+00	1.93E-06	2.42E-06	2.79E-03
419	488819.6, 3856650.76	0.79621	0.17489	0.02303	0.0281	3.22E-03	5.22E-03	1.47E-04	8.87E-05	8.67E-03	2.93E-03	0.00E+00	1.96E-06	2.42E-06	2.93E-03
420	488869.6, 3856650.76	0.77561	0.17311	0.02347	0.02799	3.14E-03	5.16E-03	1.50E-04	8.84E-05	8.54E-03	2.85E-03	0.00E+00	2.00E-06	2.41E-06	2.86E-03
421	488819.6, 3856700.76	0.79145	0.17912	0.02427	0.02785	3.20E-03	5.34E-03	1.55E-04	8.79E-05	8.79E-03	2.91E-03	0.00E+00	2.06E-06	2.40E-06	2.91E-03
422	488869.6, 3856700.76	0.7707	0.17715	0.02488	0.02777	3.12E-03	5.28E-03	1.59E-04	8.77E-05	8.65E-03	2.83E-03	0.00E+00	2.12E-06	2.39E-06	2.84E-03
423	488819.6, 3856750.76	0.78387	0.18299	0.02579	0.02765	3.17E-03	5.46E-03	1.65E-04	8.73E-05	8.88E-03	2.88E-03	0.00E+00	2.19E-06	2.38E-06	2.89E-03
424	488869.6, 3856750.76	0.76286	0.18133	0.02666	0.02761	3.08E-03	5.41E-03	1.70E-04	8.72E-05	8.75E-03	2.80E-03	0.00E+00	2.27E-06	2.38E-06	2.81E-03
425	488819.6, 3857050.76	0.67556	0.20823	0.05002	0.02758	2.73E-03	6.21E-03	3.19E-04	8.71E-05	9.35E-03	2.48E-03	0.00E+00	4.25E-06	2.37E-06	2.49E-03
426	488869.6, 3857050.76	0.65792	0.20656	0.05542	0.02762	2.66E-03	6.16E-03	3.53E-04	8.72E-05	9.26E-03	2.42E-03	0.00E+00	4.71E-06	2.38E-06	2.43E-03
427	488919.6, 3857050.76	0.6414	0.20468	0.06114	0.02765	2.59E-03	6.11E-03	3.90E-04	8.73E-05	9.18E-03	2.36E-03	0.00E+00	5.20E-06	2.38E-06	2.37E-03
428	488819.6, 3857100.76	0.64978	0.21264	0.05917	0.02773	2.63E-03	6.34E-03	3.77E-04	8.76E-05	9.44E-03	2.39E-03	0.00E+00	5.03E-06	2.39E-06	2.40E-03
429	488869.6, 3857100.76	0.63363	0.21065	0.06567	0.02777	2.56E-03	6.28E-03	4.19E-04	8.77E-05	9.35E-03	2.33E-03	0.00E+00	5.59E-06	2.39E-06	2.34E-03
430	488919.6, 3857100.76	0.61784	0.20906	0.07232	0.02779	2.50E-03	6.24E-03	4.61E-04	8.77E-05	9.28E-03	2.27E-03	0.00E+00	6.15E-06	2.39E-06	2.28E-03
431	488819.6, 3857150.76	0.62297	0.21718	0.0709	0.02793	2.52E-03	6.48E-03	4.52E-04	8.82E-05	9.54E-03	2.29E-03	0.00E+00	6.03E-06	2.41E-06	2.30E-03
432	488869.6, 3857150.76	0.60783	0.21537	0.07858	0.02797	2.46E-03	6.43E-03	5.01E-04	8.83E-05	9.47E-03	2.23E-03	0.00E+00	6.68E-06	2.41E-06	2.24E-03
433	488919.6, 3857150.76	0.59357	0.21341	0.08613	0.02799	2.40E-03	6.37E-03	5.49E-04	8.84E-05	9.40E-03	2.18E-03	0.00E+00	7.33E-06	2.41E-06	2.19E-03
434	488969.6, 3857150.76	0.57985	0.21155	0.09337	0.02801	2.34E-03	6.31E-03	5.96E-04	8.84E-05	9.34E-03	2.13E-03	0.00E+00	7.94E-06	2.41E-06	2.14E-03
435	488819.6, 3857200.76	0.59542	0.22196	0.08589	0.0282	2.41E-03	6.62E-03	5.48E-04	8.90E-05	9.67E-03	2.19E-03	0.00E+00	7.30E-06	2.43E-06	2.20E-03
436	488869.6, 3857200.76	0.58149	0.22019	0.09481	0.02823	2.35E-03	6.57E-03	6.05E-04	8.91E-05	9.61E-03	2.14E-03	0.00E+00	8.06E-06	2.43E-06	2.15E-03
437	488919.6, 3857200.76	0.56839	0.21824	0.10339	0.02825	2.30E-03	6.51E-03	6.59E-04	8.92E-05	9.56E-03	2.09E-03	0.00E+00	8.79E-06	2.43E-06	2.10E-03
438	488969.6, 3857200.76	0.55608	0.21608	0.11154	0.02827	2.25E-03	6.45E-03	7.11E-04	8.93E-05	9.49E-03	2.04E-03	0.00E+00	9.49E-06	2.43E-06	2.06E-03
439	488819.6, 3857250.76	0.56773	0.22674	0.10507	0.02854	2.29E-03	6.76E-03	6.70E-04	9.01E-05	9.82E-03	2.09E-03	0.00E+00	8.94E-06	2.46E-06	2.10E-03
440	488869.6, 3857250.76	0.55523	0.22483	0.11538	0.02856	2.24E-03	6.71E-03	7.36E-04	9.02E-05	9.78E-03	2.04E-03	0.00E+00	9.81E-06	2.46E-06	2.05E-03
441	488919.6, 3857250.76	0.54328	0.2229	0.12523	0.02858	2.20E-03	6.65E-03	7.99E-04	9.02E-05	9.73E-03	2.00E-03	0.00E+00	1.07E-05	2.46E-06	2.01E-03
442	488969.6, 3857250.76	0.53186	0.22093	0.13461	0.02859	2.15E-03	6.59E-03	8.59E-04	9.03E-05	9.69E-03	1.96E-03	0.00E+00	1.14E-05	2.46E-06	1.97E-03
443	488819.6, 3857300.76	0.53962	0.23198	0.12995	0.02895	2.18E-03	6.92E-03	8.29E-04	9.14E-05	1.00E-02	1.98E-03	0.00E+00	1.11E-05	2.49E-06	2.00E-03
444	488869.6, 3857300.76	0.52851	0.22997	0.14197	0.02896	2.14E-03	6.86E-03	9.06E-04	9.14E-05	9.99E-03	1.94E-03	0.00E+00	1.21E-05	2.49E-06	1.96E-03

445	488919.6, 3857300.76	0.51765	0.22812	0.15346	0.02897	2.09E-03	6.81E-03	9.79E-04	9.15E-05	9.97E-03	1.90E-03	0.00E+00	1.31E-05	2.49E-06	1.92E-03
446	488819.6, 3857450.76	0.45679	0.24881	0.26486	0.03065	1.85E-03	7.42E-03	1.69E-03	9.68E-05	1.11E-02	1.68E-03	0.00E+00	2.25E-05	2.64E-06	1.70E-03
447	488869.6, 3857450.76	0.44963	0.24652	0.28344	0.03062	1.82E-03	7.35E-03	1.81E-03	9.67E-05	1.11E-02	1.65E-03	0.00E+00	2.41E-05	2.64E-06	1.68E-03
448	488919.6, 3857450.76	0.442	0.24489	0.29982	0.03062	1.79E-03	7.31E-03	1.91E-03	9.67E-05	1.11E-02	1.63E-03	0.00E+00	2.55E-05	2.64E-06	1.65E-03
449	488819.6, 3857500.76	0.4306	0.25475	0.34244	0.03139	1.74E-03	7.60E-03	2.18E-03	9.91E-05	1.16E-02	1.58E-03	0.00E+00	2.91E-05	2.70E-06	1.61E-03
450	488869.6, 3857500.76	0.42409	0.25289	0.36167	0.03138	1.71E-03	7.54E-03	2.31E-03	9.91E-05	1.17E-02	1.56E-03	0.00E+00	3.08E-05	2.70E-06	1.59E-03
451	488919.6, 3857500.76	0.41767	0.25109	0.37667	0.03138	1.69E-03	7.49E-03	2.40E-03	9.91E-05	1.17E-02	1.54E-03	0.00E+00	3.20E-05	2.70E-06	1.57E-03
452	488819.6, 3857550.76	0.40507	0.26143	0.44273	0.03229	1.64E-03	7.80E-03	2.82E-03	1.02E-04	1.24E-02	1.49E-03	0.00E+00	3.77E-05	2.78E-06	1.53E-03
453	488869.6, 3857550.76	0.39975	0.25935	0.45857	0.03229	1.62E-03	7.74E-03	2.93E-03	1.02E-04	1.24E-02	1.47E-03	0.00E+00	3.90E-05	2.78E-06	1.51E-03
454	488919.6, 3857550.76	0.39414	0.25769	0.46871	0.03231	1.59E-03	7.69E-03	2.99E-03	1.02E-04	1.24E-02	1.45E-03	0.00E+00	3.99E-05	2.78E-06	1.49E-03
455	489663.71, 3860900.05	0.03763	0.30082	0.00709	0.01909	1.52E-04	8.97E-03	4.52E-05	6.03E-05	9.23E-03	1.38E-04	0.00E+00	6.03E-07	1.64E-06	1.41E-04
456	489813.71, 3860900.05	0.03784	0.29302	0.00792	0.01861	1.53E-04	8.74E-03	5.05E-05	5.88E-05	9.00E-03	1.39E-04	0.00E+00	6.74E-07	1.60E-06	1.41E-04
457	489863.71, 3860900.05	0.03784	0.28967	0.00818	0.01845	1.53E-04	8.64E-03	5.22E-05	5.83E-05	8.91E-03	1.39E-04	0.00E+00	6.96E-07	1.59E-06	1.41E-04
458	489913.71, 3860900.05	0.03794	0.28735	0.00844	0.01836	1.53E-04	8.57E-03	5.38E-05	5.80E-05	8.84E-03	1.39E-04	0.00E+00	7.18E-07	1.58E-06	1.42E-04
459	489963.71, 3860900.05	0.03793	0.28391	0.00866	0.01824	1.53E-04	8.47E-03	5.52E-05	5.76E-05	8.74E-03	1.39E-04	0.00E+00	7.37E-07	1.57E-06	1.42E-04
460	490013.71, 3860900.05	0.03803	0.28142	0.00887	0.01817	1.54E-04	8.40E-03	5.66E-05	5.74E-05	8.66E-03	1.40E-04	0.00E+00	7.54E-07	1.56E-06	1.42E-04
461	490063.71, 3860900.05	0.03809	0.27834	0.00905	0.01808	1.54E-04	8.30E-03	5.77E-05	5.71E-05	8.57E-03	1.40E-04	0.00E+00	7.70E-07	1.56E-06	1.42E-04
462	489663.71, 3860950.05	0.03691	0.27359	0.00685	0.01747	1.49E-04	8.16E-03	4.37E-05	5.52E-05	8.41E-03	1.36E-04	0.00E+00	5.83E-07	1.50E-06	1.38E-04
463	489813.71, 3860950.05	0.03713	0.26815	0.00765	0.01714	1.50E-04	8.00E-03	4.88E-05	5.41E-05	8.25E-03	1.37E-04	0.00E+00	6.51E-07	1.48E-06	1.39E-04
464	489863.71, 3860950.05	0.03712	0.26558	0.00791	0.01699	1.50E-04	7.92E-03	5.05E-05	5.36E-05	8.18E-03	1.36E-04	0.00E+00	6.73E-07	1.46E-06	1.39E-04
465	489913.71, 3860950.05	0.0372	0.26385	0.00817	0.01691	1.50E-04	7.87E-03	5.21E-05	5.34E-05	8.13E-03	1.37E-04	0.00E+00	6.95E-07	1.46E-06	1.39E-04
466	489963.71, 3860950.05	0.03722	0.26154	0.0084	0.01681	1.50E-04	7.80E-03	5.36E-05	5.31E-05	8.06E-03	1.37E-04	0.00E+00	7.14E-07	1.45E-06	1.39E-04
467	490013.71, 3860950.05	0.03727	0.25949	0.00862	0.01675	1.51E-04	7.74E-03	5.50E-05	5.29E-05	8.00E-03	1.37E-04	0.00E+00	7.33E-07	1.44E-06	1.39E-04
468	490063.71, 3860950.05	0.03733	0.25742	0.00881	0.0167	1.51E-04	7.68E-03	5.62E-05	5.27E-05	7.94E-03	1.37E-04	0.00E+00	7.49E-07	1.44E-06	1.39E-04
469	489513.71, 3861000.05	0.03603	0.25397	0.006	0.01617	1.46E-04	7.58E-03	3.83E-05	5.11E-05	7.81E-03	1.32E-04	0.00E+00	5.10E-07	1.39E-06	1.34E-04
470	489563.71, 3861000.05	0.03607	0.2527	0.00619	0.01611	1.46E-04	7.54E-03	3.95E-05	5.09E-05	7.78E-03	1.33E-04	0.00E+00	5.26E-07	1.39E-06	1.35E-04
471	489613.71, 3861000.05	0.03616	0.25175	0.0064	0.01609	1.46E-04	7.51E-03	4.08E-05	5.08E-05	7.75E-03	1.33E-04	0.00E+00	5.44E-07	1.39E-06	1.35E-04
472	489663.71, 3861000.05	0.03623	0.25044	0.00663	0.01604	1.46E-04	7.47E-03	4.23E-05	5.06E-05	7.71E-03	1.33E-04	0.00E+00	5.64E-07	1.38E-06	1.35E-04
473	489713.71, 3861000.05	0.03627	0.24879	0.00687	0.01598	1.47E-04	7.42E-03	4.38E-05	5.05E-05	7.66E-03	1.33E-04	0.00E+00	5.84E-07	1.38E-06	1.35E-04
474	489763.71, 3861000.05	0.03633	0.24735	0.00713	0.01591	1.47E-04	7.38E-03	4.55E-05	5.02E-05	7.62E-03	1.34E-04	0.00E+00	6.06E-07	1.37E-06	1.36E-04
475	489813.71, 3861000.05	0.03645	0.24647	0.0074	0.01585	1.47E-04	7.35E-03	4.72E-05	5.00E-05	7.60E-03	1.34E-04	0.00E+00	6.29E-07	1.36E-06	1.36E-04
476	489863.71, 3861000.05	0.03645	0.24449	0.00765	0.01574	1.47E-04	7.29E-03	4.88E-05	4.97E-05	7.54E-03	1.34E-04	0.00E+00	6.51E-07	1.36E-06	1.36E-04
477	489913.71, 3861000.05	0.03653	0.24328	0.00792	0.01567	1.48E-04	7.26E-03	5.05E-05	4.95E-05	7.51E-03	1.34E-04	0.00E+00	6.74E-07	1.35E-06	1.36E-04
478	489963.71, 3861000.05	0.03652	0.24138	0.00815	0.01557	1.48E-04	7.20E-03	5.20E-05	4.92E-05	7.45E-03	1.34E-04	0.00E+00	6.93E-07	1.34E-06	1.36E-04
479	490013.71, 3861000.05	0.03657	0.23993	0.00838	0.01551	1.48E-04	7.16E-03	5.35E-05	4.90E-05	7.41E-03	1.34E-04	0.00E+00	7.13E-07	1.34E-06	1.36E-04
480	490063.71, 3861000.05	0.0366	0.23834	0.00858	0.01546	1.48E-04	7.11E-03	5.47E-05	4.88E-05	7.36E-03	1.35E-04	0.00E+00	7.30E-07	1.33E-06	1.37E-04
481	489513.71, 3861050.05	0.03541	0.23303	0.00583	0.01493	1.43E-04	6.95E-03	3.72E-05	4.71E-05	7.18E-03	1.30E-04	0.00E+00	4.96E-07	1.29E-06	1.32E-04
482	489563.71, 3861050.05	0.03543	0.2321	0.00601	0.01487	1.43E-04	6.92E-03	3.83E-05	4.70E-05	7.15E-03	1.30E-04	0.00E+00	5.11E-07	1.28E-06	1.32E-04
483	489613.71, 3861050.05	0.03555	0.23181	0.00621	0.01486	1.44E-04	6.92E-03	3.96E-05	4.69E-05	7.15E-03	1.31E-04	0.00E+00	5.28E-07	1.28E-06	1.33E-04
484	489663.71, 3861050.05	0.03556	0.23037	0.00642	0.0148	1.44E-04	6.87E-03	4.10E-05	4.67E-05	7.10E-03	1.31E-04	0.00E+00	5.46E-07	1.27E-06	1.33E-04
485	489713.71, 3861050.05	0.03559	0.22904	0.00664	0.01476	1.44E-04	6.83E-03	4.24E-05	4.66E-05	7.07E-03	1.31E-04	0.00E+00	5.65E-07	1.27E-06	1.33E-04
486	489763.71, 3861050.05	0.03566	0.22803	0.00689	0.01473	1.44E-04	6.80E-03	4.39E-05	4.65E-05	7.04E-03	1.31E-04	0.00E+00	5.86E-07	1.27E-06	1.33E-04
487	489813.71, 3861050.05	0.03575	0.22714	0.00715	0.0147	1.45E-04	6.78E-03	4.56E-05	4.64E-05	7.01E-03	1.31E-04	0.00E+00	6.08E-07	1.27E-06	1.33E-04
488	489863.71, 3861050.05	0.03579	0.22586	0.00741	0.01463	1.45E-04	6.74E-03	4.73E-05	4.62E-05	6.98E-03	1.32E-04	0.00E+00	6.30E-07	1.26E-06	1.33E-04
489	489913.71, 3861050.05	0.03583	0.2247	0.00766	0.01456	1.45E-04	6.70E-03	4.89E-05	4.60E-05	6.94E-03	1.32E-04	0.00E+00	6.51E-07	1.25E-06	1.34E-04
490	489963.71, 3861050.05	0.03586	0.22347	0.0079	0.0145	1.45E-04	6.67E-03	5.04E-05	4.58E-05	6.91E-03	1.32E-04	0.00E+00	6.72E-07	1.25E-06	1.34E-04
491	490013.71, 3861050.05	0.03593	0.22262	0.00814	0.01446	1.45E-04	6.64E-03	5.19E-05	4.57E-05	6.88E-03	1.32E-04	0.00E+00	6.92E-07	1.25E-06	1.34E-04
492	490063.71, 3861050.05	0.03595	0.22136	0.00835	0.0144	1.45E-04	6.60E-03	5.33E-05	4.55E-05	6.85E-03	1.32E-04	0.00E+00	7.10E-07	1.24E-06	1.34E-04
493	489513.71, 3861100.05	0.03486	0.21541	0.00568	0.01393	1.41E-04	6.43E-03	3.62E-05	4.40E-05	6.65E-03	1.28E-04	0.00E+00	4.83E-07	1.20E-06	1.30E-04
494	489563.71, 3861100.05	0.0348	0.21418	0.00583	0.01383	1.41E-04	6.39E-03	3.72E-05	4.37E-05	6.61E-03	1.28E-04	0.00E+00	4.96E-07	1.19E-06	1.30E-04
495	489613.71, 3861100.05	0.03476	0.21279	0.006	0.01374	1.41E-04	6.35E-03	3.83E-05	4.34E-05	6.57E-03	1.28E-04	0.00E+00	5.10E-07	1.18E-06	1.29E-04
496	489663.71, 3861100.05	0.03483	0.21222	0.00621	0.01372	1.41E-04	6.33E-03	3.96E-05	4.33E-05	6.55E-03	1.28E-04	0.00E+00	5.28E-07	1.18E-06	1.30E-04
497	489713.71, 3861100.05	0.0349	0.21157	0.00642	0.01369	1.41E-04	6.31E-03	4.10E-05	4.32E-05	6.54E-03	1.28E-04	0.00E+00	5.46E-07	1.18E-06	1.30E-04
498	489763.71, 3861100.05	0.03497	0.21081	0.00666	0.01368	1.41E-04	6.29E-03	4.25E-05	4.32E-05	6.52E-03	1.29E-04	0.00E+00	5.66E-07	1.18E-06	1.30E-04
499	489813.71, 3861100.05	0.03506	0.21018	0.00691	0.01367	1.42E-04	6.27E-03	4.41E-05	4.32E-05	6.50E-03	1.29E-04	0.00E+00	5.88E-07	1.18E-06	1.31E-04
500	489863.71, 3861100.05	0.03517	0.20969	0.00717	0.01365	1.42E-04	6.26E-03	4.57E-05	4.31E-05	6.49E-03	1.29E-04	0.00E+00	6.10E-07	1.18E-06	1.31E-04
501	489913.71, 3861100.05	0.03517	0.20846	0.00741	0.0136	1.42E-04	6.22E-03	4.73E-05	4.29E-05	6.45E-03	1.29E-04	0.00E+00	6.30E-07	1.17E-06	1.31E-04
502	489963.71, 3861100.05	0.03522	0.20757	0.00766	0.01355	1.42E-04	6.19E-03	4.89E-05	4.28E-05	6.43E-03	1.29E-04	0.00E+00	6.51E-07	1.17E-06	1.31E-04
503	490013.71, 3861100.05	0.03522	0.20646	0.00789	0.01349	1.42E-04	6.16E-03	5.03E-05	4.26E-05	6.39E-03	1.29E-04	0.00E+00	6.71E-07	1.16E-06	1.31E-04
504	490063.71, 3861100.05	0.03525	0.20561	0.00811	0.01345	1.42E-04	6.13E-03	5.17E-05	4.25E-05	6.37E-03	1.30E-04	0.00E+00	6.90E-07	1.16E-06	1.31E-04
505	489713.71, 3861150.05	0.03424	0.19637	0.00622	0.01279	1.38E-04	5.86E-03	3.97E-05	4.04E-05	6.08E-03	1.26E-04	0.00E+00	5.29E-07	1.10E-06	1.28E-04
506	489763.71, 3861150.05	0.03432	0.19594	0.00644	0.01278	1.39E-04	5.85E-03	4.11E-05	4.04E-05	6.07E-03	1.26E-04	0.00E+00	5.48E-07	1.10E-06	1.28E-04
507	489813.71, 3861150.05	0.03441	0.19548	0.00668	0.01277	1.39E-04	5.83E-03	4.26E-05	4.03E-05	6.05E-03	1.27E-04	0.00E+00	5.68E-07	1.10E-06	1.28E-04
508	489863.71, 3861150.05	0.03447	0.19482	0.00692	0.01276	1.39E-04	5.81E-03	4.41E-05	4.03E-05	6.04E-03	1.27E-04	0.00E+00	5.89E-07	1.10E-06	1.28E-04

509	489913.71, 3861150.05	0.03451	0.19402	0.00717	0.01273	1.39E-04	5.79E-03	4.57E-05	4.02E-05	6.01E-03	1.27E-04	0.00E+00	6.10E-07	1.10E-06	1.29E-04
510	489963.71, 3861150.05	0.03454	0.19313	0.00741	0.01269	1.40E-04	5.76E-03	4.73E-05	4.01E-05	5.99E-03	1.27E-04	0.00E+00	6.30E-07	1.09E-06	1.29E-04
511	490013.71, 3861150.05	0.03456	0.19227	0.00764	0.01265	1.40E-04	5.74E-03	4.87E-05	3.99E-05	5.96E-03	1.27E-04	0.00E+00	6.50E-07	1.09E-06	1.29E-04
512	490063.71, 3861150.05	0.03461	0.19174	0.00787	0.01262	1.40E-04	5.72E-03	5.02E-05	3.98E-05	5.95E-03	1.27E-04	0.00E+00	6.69E-07	1.09E-06	1.29E-04
513	489613.71, 3861200.05	0.03345	0.18327	0.00565	0.0121	1.35E-04	5.47E-03	3.60E-05	3.82E-05	5.68E-03	1.23E-04	0.00E+00	4.81E-07	1.04E-06	1.25E-04
514	489663.71, 3861200.05	0.03352	0.18318	0.00583	0.01206	1.35E-04	5.46E-03	3.72E-05	3.81E-05	5.68E-03	1.23E-04	0.00E+00	4.96E-07	1.04E-06	1.25E-04
515	489713.71, 3861200.05	0.0336	0.18302	0.00603	0.01203	1.36E-04	5.46E-03	3.85E-05	3.80E-05	5.67E-03	1.24E-04	0.00E+00	5.13E-07	1.04E-06	1.25E-04
516	489763.71, 3861200.05	0.03368	0.18274	0.00624	0.01201	1.36E-04	5.45E-03	3.98E-05	3.79E-05	5.67E-03	1.24E-04	0.00E+00	5.31E-07	1.03E-06	1.25E-04
517	489813.71, 3861200.05	0.03376	0.18244	0.00646	0.012	1.36E-04	5.44E-03	4.12E-05	3.79E-05	5.66E-03	1.24E-04	0.00E+00	5.49E-07	1.03E-06	1.26E-04
518	489863.71, 3861200.05	0.03386	0.18215	0.0067	0.012	1.37E-04	5.43E-03	4.27E-05	3.79E-05	5.65E-03	1.24E-04	0.00E+00	5.70E-07	1.03E-06	1.26E-04
519	489913.71, 3861200.05	0.03391	0.18147	0.00694	0.01198	1.37E-04	5.41E-03	4.43E-05	3.78E-05	5.63E-03	1.25E-04	0.00E+00	5.90E-07	1.03E-06	1.26E-04
520	489963.71, 3861200.05	0.03392	0.18065	0.00718	0.01195	1.37E-04	5.39E-03	4.58E-05	3.77E-05	5.61E-03	1.25E-04	0.00E+00	6.11E-07	1.03E-06	1.26E-04
521	490013.71, 3861200.05	0.03397	0.18005	0.00741	0.01192	1.37E-04	5.37E-03	4.73E-05	3.76E-05	5.59E-03	1.25E-04	0.00E+00	6.30E-07	1.03E-06	1.27E-04
522	490063.71, 3861200.05	0.03399	0.17935	0.00764	0.01189	1.37E-04	5.35E-03	4.87E-05	3.75E-05	5.57E-03	1.25E-04	0.00E+00	6.50E-07	1.02E-06	1.27E-04
523	489513.71, 3861250.05	0.03271	0.17092	0.00522	0.01144	1.32E-04	5.10E-03	3.33E-05	3.61E-05	5.30E-03	1.20E-04	0.00E+00	4.44E-07	9.85E-07	1.22E-04
524	489563.71, 3861250.05	0.0328	0.17128	0.00535	0.01146	1.33E-04	5.11E-03	3.41E-05	3.62E-05	5.31E-03	1.21E-04	0.00E+00	4.55E-07	9.87E-07	1.22E-04
525	489613.71, 3861250.05	0.03287	0.17143	0.0055	0.01145	1.33E-04	5.11E-03	3.51E-05	3.62E-05	5.32E-03	1.21E-04	0.00E+00	4.68E-07	9.86E-07	1.22E-04
526	489663.71, 3861250.05	0.03292	0.17132	0.00566	0.01142	1.33E-04	5.11E-03	3.61E-05	3.61E-05	5.32E-03	1.21E-04	0.00E+00	4.81E-07	9.83E-07	1.22E-04
527	489713.71, 3861250.05	0.03299	0.17124	0.00584	0.01139	1.33E-04	5.11E-03	3.73E-05	3.60E-05	5.32E-03	1.21E-04	0.00E+00	4.97E-07	9.81E-07	1.23E-04
528	489763.71, 3861250.05	0.03307	0.17109	0.00604	0.01136	1.34E-04	5.10E-03	3.85E-05	3.59E-05	5.31E-03	1.22E-04	0.00E+00	5.14E-07	9.78E-07	1.23E-04
529	489813.71, 3861250.05	0.03314	0.17086	0.00626	0.01134	1.34E-04	5.10E-03	3.99E-05	3.58E-05	5.31E-03	1.22E-04	0.00E+00	5.32E-07	9.76E-07	1.23E-04
530	489863.71, 3861250.05	0.03322	0.17054	0.00648	0.01132	1.34E-04	5.09E-03	4.13E-05	3.57E-05	5.30E-03	1.22E-04	0.00E+00	5.51E-07	9.75E-07	1.24E-04
531	489913.71, 3861250.05	0.0333	0.17023	0.00672	0.01131	1.35E-04	5.08E-03	4.29E-05	3.57E-05	5.29E-03	1.22E-04	0.00E+00	5.72E-07	9.74E-07	1.24E-04
532	489963.71, 3861250.05	0.03335	0.16973	0.00695	0.0113	1.35E-04	5.06E-03	4.43E-05	3.57E-05	5.28E-03	1.23E-04	0.00E+00	5.91E-07	9.73E-07	1.24E-04
533	490013.71, 3861250.05	0.03339	0.16914	0.00719	0.01128	1.35E-04	5.05E-03	4.59E-05	3.56E-05	5.26E-03	1.23E-04	0.00E+00	6.11E-07	9.71E-07	1.24E-04
534	490063.71, 3861250.05	0.03339	0.16837	0.00741	0.01124	1.35E-04	5.02E-03	4.73E-05	3.55E-05	5.24E-03	1.23E-04	0.00E+00	6.30E-07	9.68E-07	1.24E-04
535	489528.13, 3861308.47	0.03205	0.15846	0.0051	0.01074	1.30E-04	4.73E-03	3.25E-05	3.39E-05	4.92E-03	1.18E-04	0.00E+00	4.34E-07	9.25E-07	1.19E-04
536	489578.13, 3861308.47	0.03212	0.15873	0.00523	0.01076	1.30E-04	4.74E-03	3.34E-05	3.40E-05	4.93E-03	1.18E-04	0.00E+00	4.45E-07	9.27E-07	1.19E-04
537	489628.13, 3861308.47	0.03218	0.1589	0.00537	0.01077	1.30E-04	4.74E-03	3.43E-05	3.40E-05	4.94E-03	1.18E-04	0.00E+00	4.57E-07	9.27E-07	1.20E-04
538	489678.13, 3861308.47	0.03225	0.15906	0.00552	0.01076	1.30E-04	4.75E-03	3.52E-05	3.40E-05	4.94E-03	1.19E-04	0.00E+00	4.69E-07	9.27E-07	1.20E-04
539	489728.13, 3861308.47	0.03232	0.15909	0.0057	0.01073	1.31E-04	4.75E-03	3.64E-05	3.39E-05	4.95E-03	1.19E-04	0.00E+00	4.85E-07	9.24E-07	1.20E-04
540	489778.13, 3861308.47	0.03238	0.15894	0.00588	0.0107	1.31E-04	4.74E-03	3.75E-05	3.38E-05	4.94E-03	1.19E-04	0.00E+00	5.00E-07	9.21E-07	1.20E-04
541	489678.13, 3861358.47	0.03167	0.14971	0.00537	0.01025	1.28E-04	4.47E-03	3.43E-05	3.24E-05	4.66E-03	1.16E-04	0.00E+00	4.57E-07	8.83E-07	1.18E-04
542	489728.13, 3861358.47	0.03173	0.14977	0.00553	0.01024	1.28E-04	4.47E-03	3.53E-05	3.23E-05	4.66E-03	1.17E-04	0.00E+00	4.70E-07	8.82E-07	1.18E-04
543	489528.13, 3861408.47	0.03093	0.1405	0.00487	0.00974	1.25E-04	4.19E-03	3.11E-05	3.08E-05	4.38E-03	1.14E-04	0.00E+00	4.14E-07	8.39E-07	1.15E-04
544	489578.13, 3861408.47	0.03099	0.1408	0.00497	0.00977	1.25E-04	4.20E-03	3.17E-05	3.08E-05	4.39E-03	1.14E-04	0.00E+00	4.23E-07	8.41E-07	1.15E-04
545	489628.13, 3861408.47	0.0311	0.14133	0.0051	0.0098	1.26E-04	4.22E-03	3.25E-05	3.09E-05	4.41E-03	1.14E-04	0.00E+00	4.34E-07	8.44E-07	1.16E-04
546	489678.13, 3861408.47	0.03113	0.14138	0.00523	0.00981	1.26E-04	4.22E-03	3.34E-05	3.10E-05	4.41E-03	1.14E-04	0.00E+00	4.45E-07	8.45E-07	1.16E-04
547	489728.13, 3861408.47	0.03116	0.14139	0.00538	0.00979	1.26E-04	4.22E-03	3.43E-05	3.09E-05	4.41E-03	1.15E-04	0.00E+00	4.58E-07	8.43E-07	1.16E-04
548	489528.13, 3861458.47	0.03043	0.13306	0.00477	0.00933	1.23E-04	3.97E-03	3.04E-05	2.95E-05	4.15E-03	1.12E-04	0.00E+00	4.06E-07	8.03E-07	1.13E-04
549	489578.13, 3861458.47	0.03049	0.13336	0.00486	0.00936	1.23E-04	3.98E-03	3.10E-05	2.96E-05	4.16E-03	1.12E-04	0.00E+00	4.13E-07	8.06E-07	1.13E-04
550	489628.13, 3861458.47	0.03054	0.13361	0.00497	0.00939	1.23E-04	3.99E-03	3.17E-05	2.96E-05	4.17E-03	1.12E-04	0.00E+00	4.23E-07	8.09E-07	1.14E-04
551	489678.13, 3861458.47	0.03058	0.13375	0.00509	0.00939	1.24E-04	3.99E-03	3.25E-05	2.96E-05	4.18E-03	1.12E-04	0.00E+00	4.33E-07	8.09E-07	1.14E-04
552	489728.13, 3861458.47	0.03058	0.13367	0.00523	0.00938	1.24E-04	3.99E-03	3.34E-05	2.96E-05	4.17E-03	1.12E-04	0.00E+00	4.45E-07	8.08E-07	1.14E-04
553	489528.13, 3861508.47	0.02993	0.12625	0.00467	0.00895	1.21E-04	3.77E-03	2.98E-05	2.83E-05	3.95E-03	1.10E-04	0.00E+00	3.97E-07	7.71E-07	1.11E-04
554	489578.13, 3861508.47	0.02997	0.12644	0.00475	0.00898	1.21E-04	3.77E-03	3.03E-05	2.84E-05	3.95E-03	1.10E-04	0.00E+00	4.04E-07	7.73E-07	1.11E-04
555	489628.13, 3861508.47	0.03	0.12662	0.00485	0.00901	1.21E-04	3.78E-03	3.09E-05	2.84E-05	3.96E-03	1.10E-04	0.00E+00	4.12E-07	7.76E-07	1.11E-04
556	489678.13, 3861508.47	0.03003	0.12672	0.00496	0.00902	1.21E-04	3.78E-03	3.16E-05	2.85E-05	3.96E-03	1.10E-04	0.00E+00	4.22E-07	7.77E-07	1.12E-04
557	489728.13, 3861508.47	0.03005	0.12678	0.00509	0.00902	1.21E-04	3.78E-03	3.25E-05	2.85E-05	3.96E-03	1.10E-04	0.00E+00	4.33E-07	7.77E-07	1.12E-04
558	489628.13, 3861558.47	0.02953	0.12051	0.00474	0.00867	1.19E-04	3.60E-03	3.02E-05	2.74E-05	3.77E-03	1.09E-04	0.00E+00	4.03E-07	7.47E-07	1.10E-04
559	489678.13, 3861558.47	0.02959	0.12081	0.00485	0.0087	1.20E-04	3.60E-03	3.09E-05	2.75E-05	3.78E-03	1.09E-04	0.00E+00	4.12E-07	7.49E-07	1.10E-04
560	489728.13, 3861558.47	0.02961	0.12091	0.00497	0.00871	1.20E-04	3.61E-03	3.17E-05	2.75E-05	3.79E-03	1.09E-04	0.00E+00	4.23E-07	7.50E-07	1.10E-04
561	489357.08, 3861015.81	0.03568	0.2491	0.00548	0.01592	1.44E-04	7.43E-03	3.50E-05	5.03E-05	7.66E-03	1.31E-04	0.00E+00	4.66E-07	1.37E-06	1.33E-04
562	489407.08, 3861015.81	0.03568	0.24803	0.0056	0.01586	1.44E-04	7.40E-03	3.57E-05	5.01E-05	7.63E-03	1.31E-04	0.00E+00	4.76E-07	1.37E-06	1.33E-04
563	489457.08, 3861015.81	0.03572	0.24732	0.00575	0.0158	1.44E-04	7.38E-03	3.67E-05	4.99E-05	7.61E-03	1.31E-04	0.00E+00	4.89E-07	1.36E-06	1.33E-04
564	489357.08, 3861065.81	0.03505	0.22805	0.00535	0.01467	1.42E-04	6.80E-03	3.41E-05	4.63E-05	7.03E-03	1.29E-04	0.00E+00	4.55E-07	1.26E-06	1.31E-04
565	489407.08, 3861065.81	0.03504	0.22725	0.00546	0.01465	1.42E-04	6.78E-03	3.48E-05	4.63E-05	7.00E-03	1.29E-04	0.00E+00	4.64E-07	1.26E-06	1.31E-04
566	489457.08, 3861065.81	0.03508	0.22684	0.0056	0.01461	1.42E-04	6.77E-03	3.57E-05	4.61E-05	6.99E-03	1.29E-04	0.00E+00	4.76E-07	1.26E-06	1.31E-04
567	489357.08, 3861115.81	0.03441	0.20983	0.00523	0.01358	1.39E-04	6.26E-03	3.34E-05	4.29E-05	6.48E-03	1.27E-04	0.00E+00	4.45E-07	1.17E-06	1.28E-04
568	489407.08, 3861115.81	0.03446	0.20977	0.00534	0.01362	1.39E-04	6.26E-03	3.41E-05	4.30E-05	6.47E-03	1.27E-04	0.00E+00	4.54E-07	1.17E-06	1.28E-04
569	489457.08, 3861115.81	0.03451	0.20964	0.00546	0.01363	1.39E-04	6.25E-03	3.48E-05	4.30E-05	6.47E-03	1.27E-04	0.00E+00	4.64E-07	1.17E-06	1.29E-04
570	489407.08, 3861165.81	0.03389	0.19453	0.00522	0.01273	1.37E-04	5.80E-03	3.33E-05	4.02E-05	6.01E-03	1.25E-04	0.00E+00	4.44E-07	1.10E-06	1.26E-04
571	489457.08, 3861165.81	0.03389	0.19419	0.00532	0.01274	1.37E-04	5.79E-03	3.39E-05	4.02E-05	6.00E-03	1.25E-04	0.00E+00	4.52E-07	1.10E-06	1.26E-04
572	489407.08, 3861215.81	0.03314	0.17985	0.00508	0.01188	1.34E-04	5.37E-03	3.24E-05	3.75E-05	5.57E-03	1.22E-04	0.00E+00	4.32E-07	1.02E-06	1.23E-04

573	489457.08, 3861215.81	0.03317	0.17981	0.00518	0.01192	1.34E-04	5.36E-03	3.30E-05	3.76E-05	5.57E-03	1.22E-04	0.00E+00	4.41E-07	1.03E-06	1.23E-04
574	489407.08, 3861265.81	0.03241	0.16691	0.00496	0.01115	1.31E-04	4.98E-03	3.16E-05	3.52E-05	5.18E-03	1.19E-04	0.00E+00	4.22E-07	9.60E-07	1.21E-04
575	489457.08, 3861265.81	0.03248	0.16723	0.00505	0.0112	1.31E-04	4.99E-03	3.22E-05	3.54E-05	5.19E-03	1.19E-04	0.00E+00	4.29E-07	9.64E-07	1.21E-04
576	489309.86, 3861110.14	0.03441	0.21154	0.00516	0.01362	1.39E-04	6.31E-03	3.29E-05	4.30E-05	6.53E-03	1.27E-04	0.00E+00	4.39E-07	1.17E-06	1.28E-04
577	489407.08, 3861315.81	0.03183	0.15641	0.00486	0.01056	1.29E-04	4.67E-03	3.10E-05	3.33E-05	4.86E-03	1.17E-04	0.00E+00	4.13E-07	9.09E-07	1.18E-04
578	489457.08, 3861315.81	0.03191	0.15679	0.00494	0.01061	1.29E-04	4.68E-03	3.15E-05	3.35E-05	4.87E-03	1.17E-04	0.00E+00	4.20E-07	9.14E-07	1.19E-04
579	488906.03, 3861006.75	0.03536	0.25609	0.00536	0.01556	1.43E-04	7.64E-03	3.42E-05	4.91E-05	7.87E-03	1.30E-04	0.00E+00	4.56E-07	1.34E-06	1.32E-04
580	488956.03, 3861006.75	0.03559	0.2574	0.00531	0.01562	1.44E-04	7.68E-03	3.39E-05	4.93E-05	7.91E-03	1.31E-04	0.00E+00	4.52E-07	1.35E-06	1.33E-04
581	488904.24, 3861051.87	0.03524	0.23602	0.00539	0.01457	1.42E-04	7.04E-03	3.44E-05	4.60E-05	7.26E-03	1.30E-04	0.00E+00	4.58E-07	1.25E-06	1.31E-04
582	488954.24, 3861051.87	0.03514	0.23645	0.00528	0.01456	1.42E-04	7.05E-03	3.37E-05	4.60E-05	7.28E-03	1.29E-04	0.00E+00	4.49E-07	1.25E-06	1.31E-04
583	489004.24, 3861051.87	0.03541	0.23711	0.00525	0.01461	1.43E-04	7.07E-03	3.35E-05	4.61E-05	7.30E-03	1.30E-04	0.00E+00	4.46E-07	1.26E-06	1.32E-04
584	488804.24, 3861101.87	0.03402	0.21396	0.00545	0.01403	1.38E-04	6.38E-03	3.48E-05	4.43E-05	6.60E-03	1.25E-04	0.00E+00	4.64E-07	1.21E-06	1.27E-04
585	488854.24, 3861101.87	0.03425	0.21491	0.00538	0.0138	1.38E-04	6.41E-03	3.43E-05	4.36E-05	6.63E-03	1.26E-04	0.00E+00	4.58E-07	1.19E-06	1.28E-04
586	488904.24, 3861101.87	0.034	0.21338	0.00525	0.01346	1.37E-04	6.37E-03	3.35E-05	4.25E-05	6.58E-03	1.25E-04	0.00E+00	4.46E-07	1.16E-06	1.27E-04
587	488954.24, 3861101.87	0.03401	0.21296	0.00517	0.01333	1.37E-04	6.35E-03	3.30E-05	4.21E-05	6.57E-03	1.25E-04	0.00E+00	4.40E-07	1.15E-06	1.27E-04
588	489004.24, 3861101.87	0.03413	0.21349	0.00512	0.01333	1.38E-04	6.37E-03	3.27E-05	4.21E-05	6.58E-03	1.25E-04	0.00E+00	4.35E-07	1.15E-06	1.27E-04
589	488804.24, 3861151.87	0.03288	0.1933	0.00532	0.01296	1.33E-04	5.77E-03	3.39E-05	4.09E-05	5.97E-03	1.21E-04	0.00E+00	4.52E-07	1.12E-06	1.22E-04
590	488854.24, 3861151.87	0.03294	0.19327	0.00524	0.0127	1.33E-04	5.77E-03	3.34E-05	4.01E-05	5.97E-03	1.21E-04	0.00E+00	4.46E-07	1.09E-06	1.23E-04
591	489129.49, 3861187.55	0.03306	0.18493	0.00491	0.01191	1.34E-04	5.52E-03	3.13E-05	3.76E-05	5.72E-03	1.22E-04	0.00E+00	4.18E-07	1.03E-06	1.23E-04
592	489179.49, 3861187.55	0.03313	0.18523	0.0049	0.01199	1.34E-04	5.53E-03	3.13E-05	3.79E-05	5.73E-03	1.22E-04	0.00E+00	4.17E-07	1.03E-06	1.23E-04
593	488804.24, 3861201.87	0.03226	0.17899	0.00528	0.01223	1.30E-04	5.34E-03	3.37E-05	3.86E-05	5.54E-03	1.19E-04	0.00E+00	4.49E-07	1.05E-06	1.20E-04
594	488854.24, 3861201.87	0.03224	0.17821	0.00518	0.01196	1.30E-04	5.32E-03	3.30E-05	3.78E-05	5.52E-03	1.19E-04	0.00E+00	4.41E-07	1.03E-06	1.20E-04
595	489129.49, 3861237.55	0.03252	0.17253	0.00486	0.01121	1.31E-04	5.15E-03	3.10E-05	3.54E-05	5.34E-03	1.20E-04	0.00E+00	4.13E-07	9.65E-07	1.21E-04
596	489179.49, 3861237.55	0.03252	0.17232	0.00483	0.01126	1.31E-04	5.14E-03	3.08E-05	3.56E-05	5.34E-03	1.20E-04	0.00E+00	4.11E-07	9.70E-07	1.21E-04
597	488804.24, 3861251.87	0.0317	0.16688	0.00523	0.01159	1.28E-04	4.98E-03	3.34E-05	3.66E-05	5.18E-03	1.17E-04	0.00E+00	4.45E-07	9.98E-07	1.18E-04
598	488854.24, 3861251.87	0.03165	0.16602	0.00514	0.01133	1.28E-04	4.95E-03	3.28E-05	3.58E-05	5.15E-03	1.16E-04	0.00E+00	4.37E-07	9.76E-07	1.18E-04
599	488804.24, 3861301.87	0.03106	0.15565	0.00518	0.01099	1.26E-04	4.64E-03	3.30E-05	3.47E-05	4.84E-03	1.14E-04	0.00E+00	4.41E-07	9.46E-07	1.16E-04
600	488854.24, 3861301.87	0.03107	0.15534	0.00509	0.01077	1.26E-04	4.63E-03	3.25E-05	3.40E-05	4.83E-03	1.14E-04	0.00E+00	4.33E-07	9.27E-07	1.16E-04
601	490943.5, 3860181.97	0.04955	0.36777	0.01351	0.0374	2.00E-04	1.10E-02	8.62E-05	1.18E-04	1.14E-02	1.82E-04	0.00E+00	1.15E-06	3.22E-06	1.87E-04
602	490993.5, 3860181.97	0.04926	0.3601	0.01352	0.03667	1.99E-04	1.07E-02	8.62E-05	1.16E-04	1.11E-02	1.81E-04	0.00E+00	1.15E-06	3.16E-06	1.85E-04
603	491043.5, 3860181.97	0.04899	0.35273	0.01355	0.03597	1.98E-04	1.05E-02	8.64E-05	1.14E-04	1.09E-02	1.80E-04	0.00E+00	1.15E-06	3.10E-06	1.84E-04
604	491093.5, 3860181.97	0.04871	0.34541	0.01357	0.03524	1.97E-04	1.03E-02	8.66E-05	1.11E-04	1.07E-02	1.79E-04	0.00E+00	1.15E-06	3.03E-06	1.83E-04
605	490943.5, 3860231.97	0.04884	0.36074	0.01319	0.03556	1.97E-04	1.08E-02	8.41E-05	1.12E-04	1.12E-02	1.80E-04	0.00E+00	1.12E-06	3.06E-06	1.84E-04
606	490993.5, 3860231.97	0.04861	0.35356	0.01322	0.03503	1.96E-04	1.05E-02	8.43E-05	1.11E-04	1.09E-02	1.79E-04	0.00E+00	1.12E-06	3.02E-06	1.83E-04
607	491043.5, 3860231.97	0.04825	0.34606	0.0132	0.0343	1.95E-04	1.03E-02	8.42E-05	1.08E-04	1.07E-02	1.77E-04	0.00E+00	1.12E-06	2.95E-06	1.81E-04
608	491093.5, 3860231.97	0.04792	0.3388	0.01319	0.03361	1.94E-04	1.01E-02	8.41E-05	1.06E-04	1.05E-02	1.76E-04	0.00E+00	1.12E-06	2.89E-06	1.80E-04
609	490943.5, 3860281.97	0.04818	0.35287	0.0129	0.03372	1.95E-04	1.05E-02	8.23E-05	1.06E-04	1.09E-02	1.77E-04	0.00E+00	1.10E-06	2.90E-06	1.81E-04
610	490993.5, 3860281.97	0.04791	0.34581	0.01291	0.03321	1.94E-04	1.03E-02	8.23E-05	1.05E-04	1.07E-02	1.76E-04	0.00E+00	1.10E-06	2.86E-06	1.80E-04
611	491043.5, 3860281.97	0.04756	0.33863	0.01289	0.0326	1.92E-04	1.01E-02	8.22E-05	1.03E-04	1.05E-02	1.75E-04	0.00E+00	1.10E-06	2.81E-06	1.79E-04
612	491093.5, 3860281.97	0.04723	0.33165	0.01287	0.032	1.91E-04	9.89E-03	8.21E-05	1.01E-04	1.03E-02	1.74E-04	0.00E+00	1.09E-06	2.76E-06	1.77E-04
613	490943.5, 3860331.97	0.04755	0.34414	0.01263	0.03191	1.92E-04	1.03E-02	8.06E-05	1.01E-04	1.06E-02	1.75E-04	0.00E+00	1.07E-06	2.75E-06	1.79E-04
614	490993.5, 3860331.97	0.04717	0.33694	0.01261	0.03135	1.91E-04	1.01E-02	8.04E-05	9.90E-05	1.04E-02	1.73E-04	0.00E+00	1.07E-06	2.70E-06	1.77E-04
615	491043.5, 3860331.97	0.04682	0.33004	0.01258	0.03082	1.89E-04	9.85E-03	8.02E-05	9.73E-05	1.02E-02	1.72E-04	0.00E+00	1.07E-06	2.65E-06	1.76E-04
616	491093.5, 3860331.97	0.04649	0.3234	0.01256	0.03031	1.88E-04	9.65E-03	8.01E-05	9.57E-05	1.00E-02	1.71E-04	0.00E+00	1.07E-06	2.61E-06	1.75E-04
617	490086.72, 3859935.12	0.06046	0.5644	0.01436	0.07226	2.44E-04	1.68E-02	9.16E-05	2.28E-04	1.74E-02	2.22E-04	0.00E+00	1.22E-06	6.22E-06	2.30E-04
618	490136.72, 3859935.12	0.06013	0.55188	0.01456	0.06984	2.43E-04	1.65E-02	9.29E-05	2.21E-04	1.70E-02	2.21E-04	0.00E+00	1.24E-06	6.01E-06	2.28E-04
619	490186.72, 3859935.12	0.05975	0.53966	0.01476	0.06757	2.42E-04	1.61E-02	9.41E-05	2.13E-04	1.66E-02	2.20E-04	0.00E+00	1.26E-06	5.82E-06	2.27E-04
620	490236.72, 3859935.12	0.05933	0.52774	0.01493	0.06546	2.40E-04	1.57E-02	9.52E-05	2.07E-04	1.63E-02	2.18E-04	0.00E+00	1.27E-06	5.64E-06	2.25E-04
621	490286.72, 3859935.12	0.05885	0.51624	0.01506	0.06351	2.38E-04	1.54E-02	9.61E-05	2.01E-04	1.59E-02	2.16E-04	0.00E+00	1.28E-06	5.47E-06	2.23E-04
622	490336.72, 3859935.12	0.05835	0.50504	0.01515	0.06169	2.36E-04	1.51E-02	9.66E-05	1.95E-04	1.56E-02	2.15E-04	0.00E+00	1.29E-06	5.31E-06	2.21E-04
623	490386.72, 3859935.12	0.05789	0.49405	0.01524	0.05994	2.34E-04	1.47E-02	9.72E-05	1.89E-04	1.53E-02	2.13E-04	0.00E+00	1.30E-06	5.16E-06	2.19E-04
624	490436.72, 3859935.12	0.05741	0.48341	0.01529	0.05832	2.32E-04	1.44E-02	9.75E-05	1.84E-04	1.49E-02	2.11E-04	0.00E+00	1.30E-06	5.02E-06	2.17E-04
625	490486.72, 3859935.12	0.05696	0.47304	0.01534	0.05676	2.30E-04	1.41E-02	9.78E-05	1.79E-04	1.46E-02	2.09E-04	0.00E+00	1.30E-06	4.89E-06	2.16E-04
626	490536.72, 3859935.12	0.05669	0.46269	0.01545	0.05516	2.29E-04	1.38E-02	9.85E-05	1.74E-04	1.43E-02	2.08E-04	0.00E+00	1.31E-06	4.75E-06	2.14E-04
627	490586.72, 3859935.12	0.05649	0.4525	0.01559	0.0536	2.28E-04	1.35E-02	9.94E-05	1.69E-04	1.40E-02	2.08E-04	0.00E+00	1.33E-06	4.62E-06	2.14E-04
628	490636.72, 3859935.12	0.05619	0.44291	0.01567	0.05224	2.27E-04	1.32E-02	1.00E-04	1.65E-04	1.37E-02	2.07E-04	0.00E+00	1.33E-06	4.50E-06	2.12E-04
629	490686.72, 3859935.12	0.05612	0.43219	0.01586	0.05081	2.27E-04	1.29E-02	1.01E-04	1.60E-04	1.34E-02	2.06E-04	0.00E+00	1.35E-06	4.38E-06	2.12E-04
630	490736.72, 3859935.12	0.05597	0.42259	0.016	0.04954	2.26E-04	1.26E-02	1.02E-04	1.56E-04	1.31E-02	2.06E-04	0.00E+00	1.36E-06	4.27E-06	2.11E-04
631	490086.72, 3859985.12	0.05934	0.56489	0.01384	0.06943	2.40E-04	1.69E-02	8.83E-05	2.19E-04	1.74E-02	2.18E-04	0.00E+00	1.18E-06	5.98E-06	2.25E-04
632	490136.72, 3859985.12	0.05907	0.55192	0.01403	0.06718	2.39E-04	1.65E-02	8.95E-05	2.12E-04	1.70E-02	2.17E-04	0.00E+00	1.19E-06	5.78E-06	2.24E-04
633	490186.72, 3859985.12	0.05879	0.53911	0.01424	0.06502	2.38E-04	1.61E-02	9.08E-05	2.05E-04	1.66E-02	2.16E-04	0.00E+00	1.21E-06	5.60E-06	2.23E-04
634	490236.72, 3859985.12	0.05849	0.5266	0.01445	0.06297	2.36E-04	1.57E-02	9.22E-05	1.99E-04	1.62E-02	2.15E-04	0.00E+00	1.23E-06	5.42E-06	2.22E-04
635	490286.72, 3859985.12	0.05807	0.51474	0.0146	0.06113	2.35E-04	1.54E-02	9.31E-05	1.93E-04	1.59E-02	2.13E-04	0.00E+00	1.24E-06	5.26E-06	2.20E-04
636	490336.72, 3859985.12	0.0576	0.50324	0.01471	0.05941	2.33E-04	1.50E-02	9.38E-05	1.88E-04	1.55E-02	2.12E-04	0.00E+00	1.25E-06	5.12E-06	2.18E-04

637	490386.72, 3859985.12	0.05706	0.49219	0.01477	0.05784	2.31E-04	1.47E-02	9.42E-05	1.83E-04	1.52E-02	2.10E-04	0.00E+00	1.26E-06	4.98E-06	2.16E-04
638	490436.72, 3859985.12	0.05657	0.48132	0.01483	0.05631	2.29E-04	1.44E-02	9.46E-05	1.78E-04	1.49E-02	2.08E-04	0.00E+00	1.26E-06	4.85E-06	2.14E-04
639	490486.72, 3859985.12	0.05612	0.47073	0.01489	0.05483	2.27E-04	1.40E-02	9.50E-05	1.73E-04	1.45E-02	2.06E-04	0.00E+00	1.27E-06	4.72E-06	2.12E-04
640	490536.72, 3859985.12	0.05576	0.46037	0.01496	0.05338	2.25E-04	1.37E-02	9.54E-05	1.69E-04	1.42E-02	2.05E-04	0.00E+00	1.27E-06	4.60E-06	2.11E-04
641	490586.72, 3859985.12	0.05546	0.45024	0.01505	0.05196	2.24E-04	1.34E-02	9.60E-05	1.64E-04	1.39E-02	2.04E-04	0.00E+00	1.28E-06	4.47E-06	2.10E-04
642	490636.72, 3859985.12	0.05524	0.44032	0.01515	0.05056	2.23E-04	1.31E-02	9.66E-05	1.60E-04	1.36E-02	2.03E-04	0.00E+00	1.29E-06	4.35E-06	2.09E-04
643	490686.72, 3859985.12	0.05515	0.42977	0.01533	0.04917	2.23E-04	1.28E-02	9.78E-05	1.55E-04	1.33E-02	2.03E-04	0.00E+00	1.30E-06	4.23E-06	2.08E-04
644	490736.72, 3859985.12	0.05485	0.42078	0.01538	0.04803	2.22E-04	1.26E-02	9.81E-05	1.52E-04	1.30E-02	2.02E-04	0.00E+00	1.31E-06	4.14E-06	2.07E-04
645	490786.72, 3859985.12	0.05459	0.41212	0.01545	0.04695	2.21E-04	1.23E-02	9.85E-05	1.48E-04	1.28E-02	2.01E-04	0.00E+00	1.31E-06	4.04E-06	2.06E-04
646	490086.72, 3860035.12	0.05817	0.5654	0.01337	0.06634	2.35E-04	1.69E-02	8.53E-05	2.09E-04	1.74E-02	2.14E-04	0.00E+00	1.14E-06	5.71E-06	2.21E-04
647	490136.72, 3860035.12	0.05799	0.5517	0.01355	0.06425	2.34E-04	1.65E-02	8.64E-05	2.03E-04	1.70E-02	2.13E-04	0.00E+00	1.15E-06	5.53E-06	2.20E-04
648	490186.72, 3860035.12	0.05777	0.53839	0.01374	0.06227	2.34E-04	1.61E-02	8.76E-05	1.97E-04	1.66E-02	2.12E-04	0.00E+00	1.17E-06	5.36E-06	2.19E-04
649	490236.72, 3860035.12	0.05749	0.52551	0.01393	0.06041	2.32E-04	1.57E-02	8.89E-05	1.91E-04	1.62E-02	2.11E-04	0.00E+00	1.18E-06	5.20E-06	2.18E-04
650	490286.72, 3860035.12	0.05712	0.51317	0.01409	0.0587	2.31E-04	1.53E-02	8.99E-05	1.85E-04	1.58E-02	2.10E-04	0.00E+00	1.20E-06	5.05E-06	2.16E-04
651	490336.72, 3860035.12	0.05678	0.50108	0.01425	0.05702	2.30E-04	1.49E-02	9.09E-05	1.80E-04	1.54E-02	2.09E-04	0.00E+00	1.21E-06	4.91E-06	2.15E-04
652	490386.72, 3860035.12	0.05628	0.48968	0.01433	0.05555	2.27E-04	1.46E-02	9.14E-05	1.75E-04	1.51E-02	2.07E-04	0.00E+00	1.22E-06	4.78E-06	2.13E-04
653	490436.72, 3860035.12	0.05579	0.47855	0.0144	0.05413	2.26E-04	1.43E-02	9.19E-05	1.71E-04	1.48E-02	2.05E-04	0.00E+00	1.22E-06	4.66E-06	2.11E-04
654	490486.72, 3860035.12	0.05533	0.46775	0.01446	0.05276	2.24E-04	1.40E-02	9.22E-05	1.67E-04	1.44E-02	2.03E-04	0.00E+00	1.23E-06	4.54E-06	2.09E-04
655	490536.72, 3860035.12	0.05494	0.45723	0.01453	0.05141	2.22E-04	1.36E-02	9.27E-05	1.62E-04	1.41E-02	2.02E-04	0.00E+00	1.24E-06	4.43E-06	2.08E-04
656	490586.72, 3860035.12	0.05456	0.44708	0.01458	0.05013	2.21E-04	1.33E-02	9.30E-05	1.58E-04	1.38E-02	2.01E-04	0.00E+00	1.24E-06	4.32E-06	2.06E-04
657	490636.72, 3860035.12	0.05413	0.43734	0.0146	0.04897	2.19E-04	1.30E-02	9.31E-05	1.55E-04	1.35E-02	1.99E-04	0.00E+00	1.24E-06	4.22E-06	2.04E-04
658	490686.72, 3860035.12	0.05388	0.42776	0.01468	0.04775	2.18E-04	1.28E-02	9.36E-05	1.51E-04	1.32E-02	1.98E-04	0.00E+00	1.25E-06	4.11E-06	2.03E-04
659	490736.72, 3860035.12	0.05381	0.41813	0.01484	0.04645	2.18E-04	1.25E-02	9.47E-05	1.47E-04	1.29E-02	1.98E-04	0.00E+00	1.26E-06	4.00E-06	2.03E-04
660	490786.72, 3860035.12	0.05351	0.40932	0.01488	0.04542	2.16E-04	1.22E-02	9.49E-05	1.43E-04	1.27E-02	1.97E-04	0.00E+00	1.27E-06	3.91E-06	2.02E-04
661	490836.72, 3860035.12	0.05323	0.40088	0.01492	0.04447	2.15E-04	1.20E-02	9.52E-05	1.40E-04	1.24E-02	1.96E-04	0.00E+00	1.27E-06	3.83E-06	2.01E-04
662	490086.72, 3860085.12	0.05715	0.56339	0.01303	0.0629	2.31E-04	1.68E-02	8.31E-05	1.99E-04	1.73E-02	2.10E-04	0.00E+00	1.11E-06	5.42E-06	2.17E-04
663	490136.72, 3860085.12	0.05686	0.55106	0.0131	0.06115	2.30E-04	1.64E-02	8.36E-05	1.93E-04	1.69E-02	2.09E-04	0.00E+00	1.11E-06	5.27E-06	2.15E-04
664	490186.72, 3860085.12	0.05677	0.53682	0.0133	0.05927	2.29E-04	1.60E-02	8.48E-05	1.87E-04	1.65E-02	2.09E-04	0.00E+00	1.13E-06	5.10E-06	2.15E-04
665	490236.72, 3860085.12	0.05654	0.52347	0.01347	0.05758	2.29E-04	1.56E-02	8.59E-05	1.82E-04	1.61E-02	2.08E-04	0.00E+00	1.15E-06	4.96E-06	2.14E-04
666	490286.72, 3860085.12	0.05624	0.51062	0.01363	0.05599	2.27E-04	1.52E-02	8.69E-05	1.77E-04	1.57E-02	2.07E-04	0.00E+00	1.16E-06	4.82E-06	2.13E-04
667	490336.72, 3860085.12	0.05587	0.49832	0.01377	0.05452	2.26E-04	1.49E-02	8.78E-05	1.72E-04	1.54E-02	2.05E-04	0.00E+00	1.17E-06	4.69E-06	2.11E-04
668	490386.72, 3860085.12	0.05546	0.48644	0.01389	0.05312	2.24E-04	1.45E-02	8.86E-05	1.68E-04	1.50E-02	2.04E-04	0.00E+00	1.18E-06	4.57E-06	2.10E-04
669	490436.72, 3860085.12	0.05502	0.47499	0.01398	0.05179	2.22E-04	1.42E-02	8.92E-05	1.64E-04	1.46E-02	2.02E-04	0.00E+00	1.19E-06	4.46E-06	2.08E-04
670	490486.72, 3860085.12	0.05455	0.46397	0.01405	0.0505	2.21E-04	1.38E-02	8.96E-05	1.59E-04	1.43E-02	2.01E-04	0.00E+00	1.19E-06	4.35E-06	2.06E-04
671	490536.72, 3860085.12	0.05414	0.45328	0.01412	0.04926	2.19E-04	1.35E-02	9.01E-05	1.56E-04	1.40E-02	1.99E-04	0.00E+00	1.20E-06	4.24E-06	2.04E-04
672	490586.72, 3860085.12	0.05375	0.44298	0.01417	0.04808	2.17E-04	1.32E-02	9.04E-05	1.52E-04	1.37E-02	1.98E-04	0.00E+00	1.21E-06	4.14E-06	2.03E-04
673	490636.72, 3860085.12	0.05332	0.43308	0.01419	0.04695	2.16E-04	1.29E-02	9.05E-05	1.48E-04	1.34E-02	1.96E-04	0.00E+00	1.21E-06	4.04E-06	2.01E-04
674	490686.72, 3860085.12	0.05299	0.4235	0.01424	0.04591	2.14E-04	1.26E-02	9.08E-05	1.45E-04	1.31E-02	1.95E-04	0.00E+00	1.21E-06	3.95E-06	2.00E-04
675	490736.72, 3860085.12	0.05273	0.4142	0.0143	0.04484	2.13E-04	1.24E-02	9.12E-05	1.42E-04	1.28E-02	1.94E-04	0.00E+00	1.22E-06	3.86E-06	1.99E-04
676	490786.72, 3860085.12	0.0525	0.40519	0.01437	0.04381	2.12E-04	1.21E-02	9.17E-05	1.38E-04	1.25E-02	1.93E-04	0.00E+00	1.22E-06	3.77E-06	1.98E-04
677	490836.72, 3860085.12	0.05218	0.39667	0.01439	0.04291	2.11E-04	1.18E-02	9.18E-05	1.35E-04	1.23E-02	1.92E-04	0.00E+00	1.22E-06	3.69E-06	1.97E-04
678	490086.72, 3860135.12	0.05557	0.56541	0.01252	0.05983	2.25E-04	1.69E-02	7.99E-05	1.89E-04	1.74E-02	2.04E-04	0.00E+00	1.06E-06	5.15E-06	2.11E-04
679	490136.72, 3860135.12	0.05562	0.54968	0.01267	0.05799	2.25E-04	1.64E-02	8.08E-05	1.83E-04	1.69E-02	2.04E-04	0.00E+00	1.08E-06	4.99E-06	2.11E-04
680	490186.72, 3860135.12	0.05562	0.5347	0.01284	0.05625	2.25E-04	1.60E-02	8.19E-05	1.78E-04	1.64E-02	2.04E-04	0.00E+00	1.09E-06	4.84E-06	2.10E-04
681	490236.72, 3860135.12	0.05545	0.52069	0.013	0.05471	2.24E-04	1.55E-02	8.29E-05	1.73E-04	1.60E-02	2.04E-04	0.00E+00	1.11E-06	4.71E-06	2.10E-04
682	490286.72, 3860135.12	0.05525	0.50723	0.01316	0.05322	2.23E-04	1.51E-02	8.39E-05	1.68E-04	1.56E-02	2.03E-04	0.00E+00	1.12E-06	4.58E-06	2.09E-04
683	490336.72, 3860135.12	0.05498	0.49439	0.01332	0.05183	2.22E-04	1.47E-02	8.50E-05	1.64E-04	1.52E-02	2.02E-04	0.00E+00	1.13E-06	4.46E-06	2.08E-04
684	490386.72, 3860135.12	0.05463	0.48215	0.01345	0.05055	2.21E-04	1.44E-02	8.58E-05	1.60E-04	1.49E-02	2.01E-04	0.00E+00	1.14E-06	4.35E-06	2.06E-04
685	490436.72, 3860135.12	0.05421	0.47043	0.01355	0.04932	2.19E-04	1.40E-02	8.64E-05	1.56E-04	1.45E-02	1.99E-04	0.00E+00	1.15E-06	4.25E-06	2.05E-04
686	490486.72, 3860135.12	0.0538	0.45913	0.01365	0.04809	2.17E-04	1.37E-02	8.71E-05	1.52E-04	1.42E-02	1.98E-04	0.00E+00	1.16E-06	4.14E-06	2.03E-04
687	490536.72, 3860135.12	0.05342	0.44826	0.01374	0.04694	2.16E-04	1.34E-02	8.76E-05	1.48E-04	1.38E-02	1.96E-04	0.00E+00	1.17E-06	4.04E-06	2.02E-04
688	490586.72, 3860135.12	0.053	0.43784	0.01379	0.04583	2.14E-04	1.31E-02	8.80E-05	1.45E-04	1.35E-02	1.95E-04	0.00E+00	1.17E-06	3.95E-06	2.00E-04
689	490636.72, 3860135.12	0.05258	0.4278	0.01383	0.04479	2.13E-04	1.28E-02	8.82E-05	1.41E-04	1.32E-02	1.93E-04	0.00E+00	1.18E-06	3.86E-06	1.98E-04
690	490686.72, 3860135.12	0.05216	0.41813	0.01384	0.04378	2.11E-04	1.25E-02	8.83E-05	1.38E-04	1.29E-02	1.92E-04	0.00E+00	1.18E-06	3.77E-06	1.97E-04
691	490736.72, 3860135.12	0.05181	0.40892	0.01387	0.04286	2.09E-04	1.22E-02	8.85E-05	1.35E-04	1.26E-02	1.90E-04	0.00E+00	1.18E-06	3.69E-06	1.95E-04
692	490786.72, 3860135.12	0.05155	0.40005	0.01392	0.04201	2.08E-04	1.19E-02	8.88E-05	1.33E-04	1.24E-02	1.90E-04	0.00E+00	1.18E-06	3.62E-06	1.94E-04
693	490836.72, 3860135.12	0.0512	0.39149	0.01393	0.04115	2.07E-04	1.17E-02	8.89E-05	1.30E-04	1.21E-02	1.88E-04	0.00E+00	1.18E-06	3.54E-06	1.93E-04
694	490086.72, 3860185.12	0.05417	0.5636	0.01215	0.05654	2.19E-04	1.68E-02	7.75E-05	1.79E-04	1.73E-02	1.99E-04	0.00E+00	1.03E-06	4.87E-06	2.05E-04
695	490136.72, 3860185.12	0.05436	0.54676	0.01229	0.05477	2.20E-04	1.63E-02	7.84E-05	1.73E-04	1.68E-02	2.00E-04	0.00E+00	1.05E-06	4.72E-06	2.06E-04
696	490186.72, 3860185.12	0.05442	0.53102	0.01244	0.05317	2.20E-04	1.58E-02	7.93E-05	1.68E-04	1.63E-02	2.00E-04	0.00E+00	1.06E-06	4.58E-06	2.06E-04
697	490236.72, 3860185.12	0.05435	0.51634	0.01257	0.05173	2.20E-04	1.54E-02	8.02E-05	1.63E-04	1.59E-02	2.00E-04	0.00E+00	1.07E-06	4.45E-06	2.05E-04
698	490286.72, 3860185.12	0.05421	0.5024	0.01272	0.05037	2.19E-04	1.50E-02	8.11E-05	1.59E-04	1.54E-02	1.99E-04	0.00E+00	1.08E-06	4.34E-06	2.05E-04
699	490336.72, 3860185.12	0.054	0.48916	0.01287	0.0491	2.18E-04	1.46E-02	8.21E-05	1.55E-04	1.50E-02	1.99E-04	0.00E+00	1.09E-06	4.23E-06	2.04E-04
700	490386.72, 3860185.12	0.05374	0.47655	0.01301	0.0479	2.17E-04	1.42E-02	8.30E-05	1.51E-04	1.47E-02	1.98E-04	0.00E+00	1.11E-06	4.12E-06	2.03E-04

701	490436.72, 3860185.12	0.05341	0.46453	0.01314	0.04673	2.16E-04	1.39E-02	8.38E-05	1.48E-04	1.43E-02	1.96E-04	0.00E+00	1.12E-06	4.02E-06	2.02E-04
702	490486.72, 3860185.12	0.05303	0.45303	0.01325	0.04559	2.14E-04	1.35E-02	8.45E-05	1.44E-04	1.40E-02	1.95E-04	0.00E+00	1.13E-06	3.93E-06	2.00E-04
703	490536.72, 3860185.12	0.05266	0.44199	0.01335	0.04452	2.13E-04	1.32E-02	8.52E-05	1.41E-04	1.36E-02	1.94E-04	0.00E+00	1.14E-06	3.83E-06	1.99E-04
704	490586.72, 3860185.12	0.05231	0.4315	0.01344	0.04352	2.11E-04	1.29E-02	8.57E-05	1.37E-04	1.33E-02	1.92E-04	0.00E+00	1.14E-06	3.75E-06	1.97E-04
705	490636.72, 3860185.12	0.05187	0.42131	0.01347	0.04252	2.10E-04	1.26E-02	8.59E-05	1.34E-04	1.30E-02	1.91E-04	0.00E+00	1.15E-06	3.66E-06	1.96E-04
706	490686.72, 3860185.12	0.05148	0.41168	0.01351	0.04162	2.08E-04	1.23E-02	8.62E-05	1.31E-04	1.27E-02	1.89E-04	0.00E+00	1.15E-06	3.58E-06	1.94E-04
707	490736.72, 3860185.12	0.05104	0.40229	0.01351	0.04067	2.06E-04	1.20E-02	8.62E-05	1.28E-04	1.24E-02	1.88E-04	0.00E+00	1.15E-06	3.50E-06	1.92E-04
708	490786.72, 3860185.12	0.05069	0.39347	0.01353	0.03987	2.05E-04	1.17E-02	8.63E-05	1.26E-04	1.22E-02	1.86E-04	0.00E+00	1.15E-06	3.43E-06	1.91E-04
709	490836.72, 3860185.12	0.05035	0.38499	0.01354	0.03911	2.04E-04	1.15E-02	8.64E-05	1.23E-04	1.19E-02	1.85E-04	0.00E+00	1.15E-06	3.37E-06	1.90E-04
710	490086.72, 3860235.12	0.05284	0.55917	0.01185	0.05316	2.14E-04	1.67E-02	7.56E-05	1.68E-04	1.71E-02	1.94E-04	0.00E+00	1.01E-06	4.58E-06	2.00E-04
711	490136.72, 3860235.12	0.05304	0.54168	0.01195	0.05157	2.14E-04	1.62E-02	7.62E-05	1.63E-04	1.66E-02	1.95E-04	0.00E+00	1.02E-06	4.44E-06	2.00E-04
712	490186.72, 3860235.12	0.05318	0.52529	0.01207	0.05009	2.15E-04	1.57E-02	7.70E-05	1.58E-04	1.61E-02	1.96E-04	0.00E+00	1.03E-06	4.31E-06	2.01E-04
713	490236.72, 3860235.12	0.0532	0.51002	0.01219	0.04873	2.15E-04	1.52E-02	7.78E-05	1.54E-04	1.57E-02	1.96E-04	0.00E+00	1.04E-06	4.20E-06	2.01E-04
714	490286.72, 3860235.12	0.05314	0.49567	0.01232	0.04749	2.15E-04	1.48E-02	7.86E-05	1.50E-04	1.52E-02	1.95E-04	0.00E+00	1.05E-06	4.09E-06	2.01E-04
715	490336.72, 3860235.12	0.05302	0.48211	0.01246	0.04631	2.14E-04	1.44E-02	7.95E-05	1.46E-04	1.48E-02	1.95E-04	0.00E+00	1.06E-06	3.99E-06	2.00E-04
716	490386.72, 3860235.12	0.05283	0.46927	0.0126	0.0452	2.14E-04	1.40E-02	8.04E-05	1.43E-04	1.44E-02	1.94E-04	0.00E+00	1.07E-06	3.89E-06	1.99E-04
717	490436.72, 3860235.12	0.05259	0.45708	0.01274	0.04411	2.13E-04	1.36E-02	8.13E-05	1.39E-04	1.41E-02	1.93E-04	0.00E+00	1.08E-06	3.80E-06	1.98E-04
718	490486.72, 3860235.12	0.05227	0.44547	0.01286	0.04307	2.11E-04	1.33E-02	8.20E-05	1.36E-04	1.37E-02	1.92E-04	0.00E+00	1.09E-06	3.71E-06	1.97E-04
719	490536.72, 3860235.12	0.05194	0.43435	0.01297	0.04208	2.10E-04	1.30E-02	8.27E-05	1.33E-04	1.34E-02	1.91E-04	0.00E+00	1.10E-06	3.62E-06	1.96E-04
720	490586.72, 3860235.12	0.05159	0.42379	0.01307	0.04115	2.09E-04	1.26E-02	8.34E-05	1.30E-04	1.31E-02	1.90E-04	0.00E+00	1.11E-06	3.54E-06	1.94E-04
721	490636.72, 3860235.12	0.0512	0.4137	0.01314	0.04025	2.07E-04	1.23E-02	8.38E-05	1.27E-04	1.28E-02	1.88E-04	0.00E+00	1.12E-06	3.47E-06	1.93E-04
722	490686.72, 3860235.12	0.05081	0.40407	0.01318	0.03939	2.05E-04	1.21E-02	8.41E-05	1.24E-04	1.25E-02	1.87E-04	0.00E+00	1.12E-06	3.39E-06	1.91E-04
723	490736.72, 3860235.12	0.0504	0.39481	0.0132	0.03854	2.04E-04	1.18E-02	8.42E-05	1.22E-04	1.22E-02	1.85E-04	0.00E+00	1.12E-06	3.32E-06	1.90E-04
724	490786.72, 3860235.12	0.04999	0.38592	0.01321	0.03773	2.02E-04	1.15E-02	8.43E-05	1.19E-04	1.19E-02	1.84E-04	0.00E+00	1.12E-06	3.25E-06	1.88E-04
725	490086.72, 3860285.12	0.05146	0.55171	0.01158	0.04974	2.08E-04	1.65E-02	7.39E-05	1.57E-04	1.69E-02	1.89E-04	0.00E+00	9.85E-07	4.28E-06	1.94E-04
726	490136.72, 3860285.12	0.05172	0.53366	0.01166	0.04831	2.09E-04	1.59E-02	7.44E-05	1.53E-04	1.64E-02	1.90E-04	0.00E+00	9.92E-07	4.16E-06	1.95E-04
727	490186.72, 3860285.12	0.05188	0.51694	0.01174	0.047	2.10E-04	1.54E-02	7.49E-05	1.48E-04	1.59E-02	1.91E-04	0.00E+00	9.98E-07	4.05E-06	1.96E-04
728	490236.72, 3860285.12	0.05202	0.50128	0.01185	0.04575	2.10E-04	1.50E-02	7.56E-05	1.44E-04	1.54E-02	1.91E-04	0.00E+00	1.01E-06	3.94E-06	1.96E-04
729	490286.72, 3860285.12	0.05202	0.48674	0.01195	0.04463	2.10E-04	1.45E-02	7.62E-05	1.41E-04	1.49E-02	1.91E-04	0.00E+00	1.02E-06	3.84E-06	1.96E-04
730	490336.72, 3860285.12	0.05197	0.47305	0.01207	0.04356	2.10E-04	1.41E-02	7.70E-05	1.38E-04	1.45E-02	1.91E-04	0.00E+00	1.03E-06	3.75E-06	1.96E-04
731	490386.72, 3860285.12	0.05188	0.46012	0.01222	0.04253	2.10E-04	1.37E-02	7.79E-05	1.34E-04	1.41E-02	1.91E-04	0.00E+00	1.04E-06	3.66E-06	1.95E-04
732	490436.72, 3860285.12	0.0517	0.44792	0.01235	0.04153	2.09E-04	1.34E-02	7.88E-05	1.31E-04	1.38E-02	1.90E-04	0.00E+00	1.05E-06	3.58E-06	1.95E-04
733	490486.72, 3860285.12	0.05147	0.4363	0.01248	0.04059	2.08E-04	1.30E-02	7.96E-05	1.28E-04	1.34E-02	1.89E-04	0.00E+00	1.06E-06	3.50E-06	1.94E-04
734	490536.72, 3860285.12	0.05116	0.42518	0.01259	0.03966	2.07E-04	1.27E-02	8.03E-05	1.25E-04	1.31E-02	1.88E-04	0.00E+00	1.07E-06	3.42E-06	1.93E-04
735	490586.72, 3860285.12	0.05083	0.41463	0.01269	0.03876	2.05E-04	1.24E-02	8.09E-05	1.22E-04	1.28E-02	1.87E-04	0.00E+00	1.08E-06	3.34E-06	1.91E-04
736	490636.72, 3860285.12	0.05049	0.40467	0.01278	0.03792	2.04E-04	1.21E-02	8.15E-05	1.20E-04	1.25E-02	1.86E-04	0.00E+00	1.09E-06	3.27E-06	1.90E-04
737	490686.72, 3860285.12	0.05014	0.39523	0.01286	0.03716	2.03E-04	1.18E-02	8.20E-05	1.17E-04	1.22E-02	1.84E-04	0.00E+00	1.09E-06	3.20E-06	1.89E-04
738	490736.72, 3860285.12	0.04976	0.38614	0.0129	0.03641	2.01E-04	1.15E-02	8.23E-05	1.15E-04	1.19E-02	1.83E-04	0.00E+00	1.10E-06	3.14E-06	1.87E-04
739	490786.72, 3860285.12	0.04938	0.37751	0.01292	0.03571	2.00E-04	1.13E-02	8.24E-05	1.13E-04	1.17E-02	1.82E-04	0.00E+00	1.10E-06	3.07E-06	1.86E-04
740	490086.72, 3860335.12	0.05009	0.54061	0.01134	0.04624	2.02E-04	1.61E-02	7.23E-05	1.46E-04	1.65E-02	1.84E-04	0.00E+00	9.64E-07	3.98E-06	1.89E-04
741	490136.72, 3860335.12	0.05039	0.52237	0.0114	0.04499	2.04E-04	1.56E-02	7.27E-05	1.42E-04	1.60E-02	1.85E-04	0.00E+00	9.70E-07	3.87E-06	1.90E-04
742	490186.72, 3860335.12	0.0506	0.50558	0.01146	0.04386	2.05E-04	1.51E-02	7.31E-05	1.38E-04	1.55E-02	1.86E-04	0.00E+00	9.75E-07	3.78E-06	1.91E-04
743	490236.72, 3860335.12	0.0508	0.48989	0.01155	0.04276	2.05E-04	1.46E-02	7.37E-05	1.35E-04	1.50E-02	1.87E-04	0.00E+00	9.82E-07	3.68E-06	1.91E-04
744	490286.72, 3860335.12	0.05088	0.47538	0.01163	0.04177	2.06E-04	1.42E-02	7.42E-05	1.32E-04	1.46E-02	1.87E-04	0.00E+00	9.89E-07	3.60E-06	1.92E-04
745	490336.72, 3860335.12	0.05089	0.46179	0.01173	0.04082	2.06E-04	1.38E-02	7.48E-05	1.29E-04	1.42E-02	1.87E-04	0.00E+00	9.98E-07	3.52E-06	1.92E-04
746	490386.72, 3860335.12	0.05086	0.44899	0.01185	0.03989	2.06E-04	1.34E-02	7.56E-05	1.26E-04	1.38E-02	1.87E-04	0.00E+00	1.01E-06	3.43E-06	1.91E-04
747	490436.72, 3860335.12	0.05076	0.43691	0.01197	0.03901	2.05E-04	1.30E-02	7.64E-05	1.23E-04	1.34E-02	1.87E-04	0.00E+00	1.02E-06	3.36E-06	1.91E-04
748	490486.72, 3860335.12	0.05059	0.42542	0.0121	0.03816	2.04E-04	1.27E-02	7.72E-05	1.20E-04	1.31E-02	1.86E-04	0.00E+00	1.03E-06	3.29E-06	1.90E-04
749	490536.72, 3860335.12	0.05039	0.41461	0.01223	0.03734	2.04E-04	1.24E-02	7.80E-05	1.18E-04	1.28E-02	1.85E-04	0.00E+00	1.04E-06	3.22E-06	1.90E-04
750	490586.72, 3860335.12	0.0501	0.40423	0.01234	0.0365	2.03E-04	1.21E-02	7.87E-05	1.15E-04	1.25E-02	1.84E-04	0.00E+00	1.05E-06	3.14E-06	1.88E-04
751	490636.72, 3860335.12	0.0498	0.39447	0.01244	0.03573	2.01E-04	1.18E-02	7.93E-05	1.13E-04	1.22E-02	1.83E-04	0.00E+00	1.06E-06	3.08E-06	1.87E-04
752	490686.72, 3860335.12	0.04947	0.3852	0.01253	0.03502	2.00E-04	1.15E-02	7.99E-05	1.11E-04	1.19E-02	1.82E-04	0.00E+00	1.07E-06	3.02E-06	1.86E-04
753	490736.72, 3860335.12	0.04912	0.37639	0.01259	0.03435	1.99E-04	1.12E-02	8.03E-05	1.08E-04	1.16E-02	1.81E-04	0.00E+00	1.07E-06	2.96E-06	1.85E-04
754	490786.72, 3860335.12	0.0488	0.36814	0.01265	0.03376	1.97E-04	1.10E-02	8.07E-05	1.07E-04	1.14E-02	1.79E-04	0.00E+00	1.08E-06	2.91E-06	1.83E-04
755	490086.72, 3860385.12	0.04877	0.52565	0.01112	0.0427	1.97E-04	1.57E-02	7.09E-05	1.35E-04	1.61E-02	1.79E-04	0.00E+00	9.46E-07	3.68E-06	1.84E-04
756	490136.72, 3860385.12	0.04909	0.50769	0.01118	0.04165	1.98E-04	1.51E-02	7.13E-05	1.32E-04	1.55E-02	1.80E-04	0.00E+00	9.51E-07	3.59E-06	1.85E-04
757	490186.72, 3860385.12	0.0493	0.49121	0.01121	0.04069	1.99E-04	1.47E-02	7.15E-05	1.28E-04	1.51E-02	1.81E-04	0.00E+00	9.53E-07	3.50E-06	1.86E-04
758	490236.72, 3860385.12	0.04953	0.47588	0.01127	0.03977	2.00E-04	1.42E-02	7.19E-05	1.26E-04	1.46E-02	1.82E-04	0.00E+00	9.58E-07	3.42E-06	1.86E-04
759	490286.72, 3860385.12	0.04968	0.46165	0.01133	0.0389	2.01E-04	1.38E-02	7.23E-05	1.23E-04	1.42E-02	1.83E-04	0.00E+00	9.64E-07	3.35E-06	1.87E-04
760	490336.72, 3860385.12	0.04977	0.44836	0.01142	0.03807	2.01E-04	1.34E-02	7.28E-05	1.20E-04	1.38E-02	1.83E-04	0.00E+00	9.71E-07	3.28E-06	1.87E-04
761	490386.72, 3860385.12	0.04979	0.43586	0.01151	0.03728	2.01E-04	1.30E-02	7.34E-05	1.18E-04	1.34E-02	1.83E-04	0.00E+00	9.79E-07	3.21E-06	1.87E-04
762	490436.72, 3860385.12	0.04977	0.42407	0.01162	0.03651	2.01E-04	1.27E-02	7.41E-05	1.15E-04	1.30E-02	1.83E-04	0.00E+00	9.88E-07	3.14E-06	1.87E-04
763	490486.72, 3860385.12	0.0497	0.413	0.01175	0.03578	2.01E-04	1.23E-02	7.49E-05	1.13E-04	1.27E-02	1.83E-04	0.00E+00	9.99E-07	3.08E-06	1.87E-04
764	490536.72, 3860385.12	0.04956	0.40251	0.01188	0.03504	2.00E-04	1.20E-02	7.58E-05	1.11E-04	1.24E-02	1.82E-04	0.00E+00	1.01E-06	3.02E-06	1.86E-04

765	490586.72, 3860385.12	0.04935	0.39257	0.012	0.03433	1.99E-04	1.17E-02	7.65E-05	1.08E-04	1.21E-02	1.81E-04	0.00E+00	1.02E-06	2.96E-06	1.85E-04
766	490636.72, 3860385.12	0.04909	0.38309	0.0121	0.03363	1.98E-04	1.14E-02	7.72E-05	1.06E-04	1.18E-02	1.80E-04	0.00E+00	1.03E-06	2.90E-06	1.84E-04
767	490686.72, 3860385.12	0.04882	0.3742	0.0122	0.033	1.97E-04	1.12E-02	7.78E-05	1.04E-04	1.15E-02	1.79E-04	0.00E+00	1.04E-06	2.84E-06	1.83E-04
768	490736.72, 3860385.12	0.04847	0.36561	0.01228	0.03237	1.96E-04	1.09E-02	7.83E-05	1.02E-04	1.13E-02	1.78E-04	0.00E+00	1.04E-06	2.79E-06	1.82E-04
769	490786.72, 3860385.12	0.04813	0.35751	0.01233	0.03179	1.95E-04	1.07E-02	7.86E-05	1.00E-04	1.10E-02	1.77E-04	0.00E+00	1.05E-06	2.74E-06	1.81E-04
770	490136.72, 3860435.12	0.04776	0.48984	0.01095	0.03842	1.93E-04	1.46E-02	6.98E-05	1.21E-04	1.50E-02	1.76E-04	0.00E+00	9.31E-07	3.31E-06	1.80E-04
771	490186.72, 3860435.12	0.04804	0.47398	0.01099	0.03759	1.94E-04	1.41E-02	7.01E-05	1.19E-04	1.45E-02	1.77E-04	0.00E+00	9.35E-07	3.24E-06	1.81E-04
772	490236.72, 3860435.12	0.04828	0.45931	0.01103	0.03681	1.95E-04	1.37E-02	7.04E-05	1.16E-04	1.41E-02	1.78E-04	0.00E+00	9.38E-07	3.17E-06	1.82E-04
773	490286.72, 3860435.12	0.04847	0.44567	0.01107	0.03608	1.96E-04	1.33E-02	7.06E-05	1.14E-04	1.37E-02	1.78E-04	0.00E+00	9.41E-07	3.11E-06	1.82E-04
774	490336.72, 3860435.12	0.04859	0.43284	0.01113	0.03537	1.96E-04	1.29E-02	7.10E-05	1.12E-04	1.33E-02	1.79E-04	0.00E+00	9.47E-07	3.05E-06	1.83E-04
775	490386.72, 3860435.12	0.04869	0.42088	0.01121	0.03469	1.97E-04	1.26E-02	7.15E-05	1.10E-04	1.29E-02	1.79E-04	0.00E+00	9.53E-07	2.99E-06	1.83E-04
776	490436.72, 3860435.12	0.04873	0.40963	0.0113	0.03402	1.97E-04	1.22E-02	7.21E-05	1.07E-04	1.26E-02	1.79E-04	0.00E+00	9.61E-07	2.93E-06	1.83E-04
777	490486.72, 3860435.12	0.04872	0.39904	0.01141	0.03337	1.97E-04	1.19E-02	7.28E-05	1.05E-04	1.23E-02	1.79E-04	0.00E+00	9.70E-07	2.87E-06	1.83E-04
778	490536.72, 3860435.12	0.04866	0.38909	0.01153	0.03276	1.97E-04	1.16E-02	7.35E-05	1.03E-04	1.20E-02	1.79E-04	0.00E+00	9.81E-07	2.82E-06	1.83E-04
779	490586.72, 3860435.12	0.04851	0.3796	0.01165	0.03214	1.96E-04	1.13E-02	7.43E-05	1.01E-04	1.17E-02	1.78E-04	0.00E+00	9.91E-07	2.77E-06	1.82E-04
780	490636.72, 3860435.12	0.04831	0.37058	0.01176	0.03154	1.95E-04	1.11E-02	7.50E-05	9.96E-05	1.14E-02	1.78E-04	0.00E+00	1.00E-06	2.72E-06	1.81E-04
781	490686.72, 3860435.12	0.04809	0.36209	0.01187	0.031	1.94E-04	1.08E-02	7.57E-05	9.79E-05	1.12E-02	1.77E-04	0.00E+00	1.01E-06	2.67E-06	1.80E-04
782	490736.72, 3860435.12	0.04784	0.35411	0.01197	0.03049	1.93E-04	1.06E-02	7.64E-05	9.63E-05	1.09E-02	1.76E-04	0.00E+00	1.02E-06	2.63E-06	1.80E-04
783	490786.72, 3860435.12	0.04752	0.34633	0.01204	0.02997	1.92E-04	1.03E-02	7.68E-05	9.46E-05	1.07E-02	1.75E-04	0.00E+00	1.02E-06	2.58E-06	1.78E-04
784	490136.72, 3860485.12	0.04656	0.46918	0.01078	0.03537	1.88E-04	1.40E-02	6.88E-05	1.12E-04	1.44E-02	1.71E-04	0.00E+00	9.17E-07	3.05E-06	1.75E-04
785	490186.72, 3860485.12	0.04681	0.45437	0.0108	0.03467	1.89E-04	1.36E-02	6.89E-05	1.09E-04	1.39E-02	1.72E-04	0.00E+00	9.19E-07	2.99E-06	1.76E-04
786	490236.72, 3860485.12	0.04703	0.44054	0.01081	0.03402	1.90E-04	1.31E-02	6.90E-05	1.07E-04	1.35E-02	1.73E-04	0.00E+00	9.19E-07	2.93E-06	1.77E-04
787	490286.72, 3860485.12	0.04727	0.42776	0.01085	0.03339	1.91E-04	1.28E-02	6.92E-05	1.05E-04	1.31E-02	1.74E-04	0.00E+00	9.23E-07	2.88E-06	1.78E-04
788	490336.72, 3860485.12	0.04743	0.41571	0.01088	0.03277	1.92E-04	1.24E-02	6.94E-05	1.03E-04	1.28E-02	1.74E-04	0.00E+00	9.25E-07	2.82E-06	1.78E-04
789	490386.72, 3860485.12	0.04759	0.40452	0.01094	0.03219	1.92E-04	1.21E-02	6.98E-05	1.02E-04	1.24E-02	1.75E-04	0.00E+00	9.30E-07	2.77E-06	1.79E-04
790	490436.72, 3860485.12	0.04773	0.3941	0.01103	0.03167	1.93E-04	1.18E-02	7.04E-05	1.00E-04	1.21E-02	1.75E-04	0.00E+00	9.38E-07	2.73E-06	1.79E-04
791	490486.72, 3860485.12	0.04775	0.3841	0.01111	0.03108	1.93E-04	1.15E-02	7.09E-05	9.81E-05	1.18E-02	1.76E-04	0.00E+00	9.45E-07	2.68E-06	1.79E-04
792	490536.72, 3860485.12	0.04771	0.37462	0.0112	0.03052	1.93E-04	1.12E-02	7.14E-05	9.64E-05	1.15E-02	1.75E-04	0.00E+00	9.53E-07	2.63E-06	1.79E-04
793	490586.72, 3860485.12	0.04763	0.36567	0.01131	0.02999	1.93E-04	1.09E-02	7.21E-05	9.47E-05	1.13E-02	1.75E-04	0.00E+00	9.62E-07	2.58E-06	1.79E-04
794	490636.72, 3860485.12	0.04752	0.35732	0.01143	0.02952	1.92E-04	1.07E-02	7.29E-05	9.32E-05	1.10E-02	1.75E-04	0.00E+00	9.72E-07	2.54E-06	1.78E-04
795	490686.72, 3860485.12	0.04732	0.34922	0.01153	0.02903	1.91E-04	1.04E-02	7.35E-05	9.17E-05	1.08E-02	1.74E-04	0.00E+00	9.81E-07	2.50E-06	1.77E-04
796	490736.72, 3860485.12	0.04712	0.34169	0.01164	0.02859	1.90E-04	1.02E-02	7.42E-05	9.03E-05	1.05E-02	1.73E-04	0.00E+00	9.90E-07	2.46E-06	1.77E-04
797	490786.72, 3860485.12	0.04687	0.33447	0.01174	0.02817	1.89E-04	9.98E-03	7.49E-05	8.89E-05	1.03E-02	1.72E-04	0.00E+00	9.98E-07	2.43E-06	1.76E-04
798	490136.72, 3860535.12	0.04537	0.44639	0.0106	0.03257	1.83E-04	1.33E-02	6.76E-05	1.03E-04	1.37E-02	1.67E-04	0.00E+00	9.01E-07	2.80E-06	1.71E-04
799	490186.72, 3860535.12	0.04571	0.433	0.01065	0.03198	1.85E-04	1.29E-02	6.79E-05	1.01E-04	1.33E-02	1.68E-04	0.00E+00	9.06E-07	2.75E-06	1.72E-04
800	490236.72, 3860535.12	0.04584	0.42026	0.01063	0.03142	1.85E-04	1.25E-02	6.78E-05	9.92E-05	1.29E-02	1.69E-04	0.00E+00	9.04E-07	2.71E-06	1.72E-04
801	490286.72, 3860535.12	0.04605	0.40841	0.01064	0.03085	1.86E-04	1.22E-02	6.79E-05	9.74E-05	1.25E-02	1.69E-04	0.00E+00	9.05E-07	2.66E-06	1.73E-04
802	490336.72, 3860535.12	0.04627	0.39744	0.01067	0.03034	1.87E-04	1.19E-02	6.81E-05	9.58E-05	1.22E-02	1.70E-04	0.00E+00	9.07E-07	2.61E-06	1.74E-04
803	490386.72, 3860535.12	0.04649	0.38723	0.01072	0.02987	1.88E-04	1.16E-02	6.84E-05	9.43E-05	1.19E-02	1.71E-04	0.00E+00	9.12E-07	2.57E-06	1.74E-04
804	490436.72, 3860535.12	0.04667	0.3776	0.01078	0.02941	1.89E-04	1.13E-02	6.88E-05	9.29E-05	1.16E-02	1.72E-04	0.00E+00	9.17E-07	2.53E-06	1.75E-04
805	490486.72, 3860535.12	0.04678	0.36846	0.01085	0.02895	1.89E-04	1.10E-02	6.92E-05	9.14E-05	1.13E-02	1.72E-04	0.00E+00	9.23E-07	2.49E-06	1.75E-04
806	490536.72, 3860535.12	0.04694	0.36011	0.01098	0.02861	1.90E-04	1.07E-02	7.00E-05	9.03E-05	1.11E-02	1.73E-04	0.00E+00	9.34E-07	2.46E-06	1.76E-04
807	490586.72, 3860535.12	0.04676	0.35134	0.01102	0.028	1.89E-04	1.05E-02	7.03E-05	8.84E-05	1.08E-02	1.72E-04	0.00E+00	9.37E-07	2.41E-06	1.75E-04
808	490636.72, 3860535.12	0.04667	0.34343	0.01111	0.02756	1.89E-04	1.02E-02	7.09E-05	8.70E-05	1.06E-02	1.72E-04	0.00E+00	9.45E-07	2.37E-06	1.75E-04
809	490686.72, 3860535.12	0.04656	0.33602	0.01122	0.02716	1.88E-04	1.00E-02	7.16E-05	8.58E-05	1.04E-02	1.71E-04	0.00E+00	9.54E-07	2.34E-06	1.74E-04
810	490736.72, 3860535.12	0.04638	0.32885	0.01132	0.02676	1.87E-04	9.81E-03	7.22E-05	8.45E-05	1.02E-02	1.71E-04	0.00E+00	9.63E-07	2.30E-06	1.74E-04
811	490786.72, 3860535.12	0.04619	0.32219	0.01143	0.02641	1.87E-04	9.61E-03	7.29E-05	8.34E-05	9.96E-03	1.70E-04	0.00E+00	9.72E-07	2.27E-06	1.73E-04
812	490136.72, 3860585.12	0.04433	0.42253	0.01046	0.03001	1.79E-04	1.26E-02	6.67E-05	9.48E-05	1.29E-02	1.63E-04	0.00E+00	8.90E-07	2.58E-06	1.66E-04
813	490186.72, 3860585.12	0.04431	0.40961	0.0104	0.02935	1.79E-04	1.22E-02	6.63E-05	9.27E-05	1.26E-02	1.63E-04	0.00E+00	8.84E-07	2.53E-06	1.66E-04
814	490236.72, 3860585.12	0.04462	0.39872	0.01044	0.02894	1.80E-04	1.19E-02	6.66E-05	9.14E-05	1.22E-02	1.64E-04	0.00E+00	8.88E-07	2.49E-06	1.67E-04
815	490286.72, 3860585.12	0.04489	0.38835	0.01046	0.02852	1.81E-04	1.16E-02	6.67E-05	9.00E-05	1.19E-02	1.65E-04	0.00E+00	8.90E-07	2.46E-06	1.68E-04
816	490336.72, 3860585.12	0.04511	0.37841	0.01047	0.02808	1.82E-04	1.13E-02	6.68E-05	8.87E-05	1.16E-02	1.66E-04	0.00E+00	8.90E-07	2.42E-06	1.69E-04
817	490386.72, 3860585.12	0.04532	0.36904	0.0105	0.02765	1.83E-04	1.10E-02	6.70E-05	8.73E-05	1.13E-02	1.67E-04	0.00E+00	8.93E-07	2.38E-06	1.70E-04
818	490436.72, 3860585.12	0.04565	0.3607	0.01058	0.02738	1.85E-04	1.08E-02	6.75E-05	8.64E-05	1.11E-02	1.68E-04	0.00E+00	9.00E-07	2.36E-06	1.71E-04
819	490486.72, 3860585.12	0.04591	0.35262	0.01067	0.02704	1.86E-04	1.05E-02	6.81E-05	8.54E-05	1.09E-02	1.69E-04	0.00E+00	9.07E-07	2.33E-06	1.72E-04
820	490536.72, 3860585.12	0.04596	0.34463	0.01072	0.02666	1.86E-04	1.03E-02	6.84E-05	8.42E-05	1.06E-02	1.69E-04	0.00E+00	9.12E-07	2.30E-06	1.72E-04
821	490586.72, 3860585.12	0.04578	0.33632	0.01072	0.02607	1.85E-04	1.00E-02	6.84E-05	8.23E-05	1.04E-02	1.68E-04	0.00E+00	9.12E-07	2.24E-06	1.71E-04
822	490636.72, 3860585.12	0.04579	0.32918	0.01082	0.02572	1.85E-04	9.82E-03	6.90E-05	8.12E-05	1.02E-02	1.68E-04	0.00E+00	9.20E-07	2.21E-06	1.71E-04
823	490686.72, 3860585.12	0.04573	0.32233	0.01092	0.02537	1.85E-04	9.62E-03	6.97E-05	8.01E-05	9.95E-03	1.68E-04	0.00E+00	9.29E-07	2.18E-06	1.71E-04
824	490736.72, 3860585.12	0.04562	0.31582	0.01102	0.02504	1.84E-04	9.42E-03	7.03E-05	7.91E-05	9.76E-03	1.68E-04	0.00E+00	9.37E-07	2.16E-06	1.71E-04
825	490786.72, 3860585.12	0.04545	0.30952	0.01112	0.02471	1.84E-04	9.23E-03	7.09E-05	7.80E-05	9.57E-03	1.67E-04	0.00E+00	9.46E-07	2.13E-06	1.70E-04
826	490136.72, 3860635.12	0.04343	0.39792	0.01036	0.02764	1.76E-04	1.19E-02	6.61E-05	8.73E-05	1.22E-02	1.60E-04	0.00E+00	8.81E-07	2.38E-06	1.63E-04
827	490186.72, 3860635.12	0.04346	0.38749	0.01032	0.02724	1.76E-04	1.16E-02	6.58E-05	8.60E-05	1.19E-02	1.60E-04	0.00E+00	8.78E-07	2.35E-06	1.63E-04
828	490236.72, 3860635.12	0.04351	0.37705	0.01028	0.02672	1.76E-04	1.12E-02	6.56E-05	8.44E-05	1.16E-02	1.60E-04	0.00E+00	8.74E-07	2.30E-06	1.63E-04

829	490286.72, 3860635.12	0.04372	0.36766	0.01028	0.02632	1.77E-04	1.10E-02	6.56E-05	8.31E-05	1.13E-02	1.61E-04	0.00E+00	8.74E-07	2.27E-06	1.64E-04
830	490336.72, 3860635.12	0.04397	0.35898	0.0103	0.02598	1.78E-04	1.07E-02	6.57E-05	8.20E-05	1.10E-02	1.62E-04	0.00E+00	8.76E-07	2.24E-06	1.65E-04
831	490386.72, 3860635.12	0.04421	0.35072	0.01031	0.02564	1.79E-04	1.05E-02	6.58E-05	8.10E-05	1.08E-02	1.63E-04	0.00E+00	8.77E-07	2.21E-06	1.66E-04
832	490436.72, 3860635.12	0.04441	0.34279	0.01033	0.02529	1.80E-04	1.02E-02	6.59E-05	7.98E-05	1.06E-02	1.63E-04	0.00E+00	8.79E-07	2.18E-06	1.66E-04
833	490486.72, 3860635.12	0.0446	0.33537	0.01037	0.02498	1.80E-04	1.00E-02	6.61E-05	7.89E-05	1.03E-02	1.64E-04	0.00E+00	8.82E-07	2.15E-06	1.67E-04
834	490536.72, 3860635.12	0.04482	0.3285	0.01044	0.02472	1.81E-04	9.80E-03	6.66E-05	7.81E-05	1.01E-02	1.65E-04	0.00E+00	8.88E-07	2.13E-06	1.68E-04
835	490586.72, 3860635.12	0.04484	0.32138	0.01048	0.02434	1.81E-04	9.59E-03	6.68E-05	7.69E-05	9.91E-03	1.65E-04	0.00E+00	8.91E-07	2.10E-06	1.68E-04
836	490636.72, 3860635.12	0.0449	0.31492	0.01056	0.02404	1.81E-04	9.40E-03	6.74E-05	7.59E-05	9.72E-03	1.65E-04	0.00E+00	8.98E-07	2.07E-06	1.68E-04
837	490686.72, 3860635.12	0.0449	0.30866	0.01064	0.02374	1.81E-04	9.21E-03	6.79E-05	7.50E-05	9.53E-03	1.65E-04	0.00E+00	9.05E-07	2.04E-06	1.68E-04
838	490736.72, 3860635.12	0.0448	0.30251	0.01072	0.02342	1.81E-04	9.02E-03	6.84E-05	7.39E-05	9.35E-03	1.65E-04	0.00E+00	9.12E-07	2.02E-06	1.68E-04
839	490786.72, 3860635.12	0.04471	0.29684	0.01082	0.02315	1.81E-04	8.86E-03	6.90E-05	7.31E-05	9.18E-03	1.64E-04	0.00E+00	9.20E-07	1.99E-06	1.67E-04
840	490136.72, 3860685.12	0.04233	0.3735	0.01016	0.0255	1.71E-04	1.11E-02	6.48E-05	8.05E-05	1.15E-02	1.56E-04	0.00E+00	8.64E-07	2.20E-06	1.59E-04
841	490186.72, 3860685.12	0.04268	0.36441	0.01026	0.0251	1.73E-04	1.09E-02	6.54E-05	7.93E-05	1.12E-02	1.57E-04	0.00E+00	8.73E-07	2.16E-06	1.60E-04
842	490236.72, 3860685.12	0.04264	0.35601	0.01019	0.02482	1.72E-04	1.06E-02	6.50E-05	7.84E-05	1.09E-02	1.57E-04	0.00E+00	8.67E-07	2.14E-06	1.60E-04
843	490286.72, 3860685.12	0.04258	0.34684	0.01011	0.02428	1.72E-04	1.03E-02	6.45E-05	7.67E-05	1.07E-02	1.57E-04	0.00E+00	8.60E-07	2.09E-06	1.59E-04
844	490336.72, 3860685.12	0.04288	0.33956	0.01014	0.02404	1.73E-04	1.01E-02	6.47E-05	7.59E-05	1.04E-02	1.58E-04	0.00E+00	8.62E-07	2.07E-06	1.61E-04
845	490386.72, 3860685.12	0.04311	0.33232	0.01015	0.02376	1.74E-04	9.91E-03	6.47E-05	7.50E-05	1.02E-02	1.58E-04	0.00E+00	8.63E-07	2.05E-06	1.61E-04
846	490436.72, 3860685.12	0.04329	0.32517	0.01015	0.02345	1.75E-04	9.70E-03	6.47E-05	7.40E-05	1.00E-02	1.59E-04	0.00E+00	8.63E-07	2.02E-06	1.62E-04
847	490486.72, 3860685.12	0.04345	0.31833	0.01015	0.02315	1.76E-04	9.50E-03	6.47E-05	7.31E-05	9.81E-03	1.60E-04	0.00E+00	8.63E-07	1.99E-06	1.63E-04
848	490536.72, 3860685.12	0.04365	0.31209	0.01019	0.02291	1.76E-04	9.31E-03	6.50E-05	7.23E-05	9.62E-03	1.60E-04	0.00E+00	8.67E-07	1.97E-06	1.63E-04
849	490586.72, 3860685.12	0.04381	0.30608	0.01024	0.02267	1.77E-04	9.13E-03	6.53E-05	7.16E-05	9.45E-03	1.61E-04	0.00E+00	8.71E-07	1.95E-06	1.64E-04
850	490636.72, 3860685.12	0.04395	0.30041	0.01031	0.02244	1.78E-04	8.96E-03	6.58E-05	7.09E-05	9.28E-03	1.62E-04	0.00E+00	8.77E-07	1.93E-06	1.64E-04
851	490686.72, 3860685.12	0.04404	0.295	0.01039	0.02223	1.78E-04	8.80E-03	6.63E-05	7.02E-05	9.12E-03	1.62E-04	0.00E+00	8.84E-07	1.91E-06	1.65E-04
852	490736.72, 3860685.12	0.04402	0.28951	0.01047	0.02197	1.78E-04	8.64E-03	6.68E-05	6.94E-05	8.95E-03	1.62E-04	0.00E+00	8.90E-07	1.89E-06	1.65E-04
853	490786.72, 3860685.12	0.04403	0.28461	0.01057	0.02178	1.78E-04	8.49E-03	6.74E-05	6.88E-05	8.81E-03	1.62E-04	0.00E+00	8.99E-07	1.88E-06	1.65E-04
854	490136.72, 3860735.12	0.04112	0.34824	0.0099	0.02335	1.66E-04	1.04E-02	6.31E-05	7.37E-05	1.07E-02	1.51E-04	0.00E+00	8.42E-07	2.01E-06	1.54E-04
855	490186.72, 3860735.12	0.0412	0.34047	0.00992	0.02299	1.67E-04	1.02E-02	6.33E-05	7.26E-05	1.05E-02	1.51E-04	0.00E+00	8.44E-07	1.98E-06	1.54E-04
856	490236.72, 3860735.12	0.04135	0.33328	0.00994	0.02269	1.67E-04	9.94E-03	6.34E-05	7.16E-05	1.02E-02	1.52E-04	0.00E+00	8.45E-07	1.95E-06	1.55E-04
857	490286.72, 3860735.12	0.04154	0.32652	0.00996	0.02243	1.68E-04	9.74E-03	6.35E-05	7.08E-05	1.00E-02	1.53E-04	0.00E+00	8.47E-07	1.93E-06	1.56E-04
858	490336.72, 3860735.12	0.04175	0.31997	0.00997	0.02218	1.69E-04	9.55E-03	6.36E-05	7.00E-05	9.85E-03	1.53E-04	0.00E+00	8.48E-07	1.91E-06	1.56E-04
859	490386.72, 3860735.12	0.04201	0.31391	0.00998	0.02198	1.70E-04	9.36E-03	6.37E-05	6.94E-05	9.67E-03	1.54E-04	0.00E+00	8.49E-07	1.89E-06	1.57E-04
860	490436.72, 3860735.12	0.04236	0.30842	0.01003	0.02186	1.71E-04	9.20E-03	6.40E-05	6.90E-05	9.51E-03	1.56E-04	0.00E+00	8.53E-07	1.88E-06	1.58E-04
861	490486.72, 3860735.12	0.0425	0.3023	0.01001	0.02159	1.72E-04	9.02E-03	6.38E-05	6.82E-05	9.32E-03	1.56E-04	0.00E+00	8.51E-07	1.86E-06	1.59E-04
862	490536.72, 3860735.12	0.04257	0.29607	0.00999	0.02128	1.72E-04	8.83E-03	6.37E-05	6.72E-05	9.14E-03	1.57E-04	0.00E+00	8.50E-07	1.83E-06	1.59E-04
863	490586.72, 3860735.12	0.04273	0.29063	0.01002	0.02107	1.73E-04	8.67E-03	6.39E-05	6.65E-05	8.97E-03	1.57E-04	0.00E+00	8.52E-07	1.81E-06	1.60E-04
864	490636.72, 3860735.12	0.04288	0.28553	0.01006	0.02088	1.73E-04	8.52E-03	6.42E-05	6.59E-05	8.82E-03	1.58E-04	0.00E+00	8.56E-07	1.80E-06	1.60E-04
865	490686.72, 3860735.12	0.04306	0.28094	0.01014	0.02074	1.74E-04	8.38E-03	6.47E-05	6.55E-05	8.69E-03	1.58E-04	0.00E+00	8.62E-07	1.79E-06	1.61E-04
866	490736.72, 3860735.12	0.04319	0.27647	0.01023	0.02059	1.75E-04	8.25E-03	6.53E-05	6.50E-05	8.55E-03	1.59E-04	0.00E+00	8.70E-07	1.77E-06	1.61E-04
867	490136.72, 3860785.12	0.04007	0.32365	0.00968	0.02144	1.62E-04	9.66E-03	6.17E-05	6.77E-05	9.95E-03	1.47E-04	0.00E+00	8.23E-07	1.85E-06	1.50E-04
868	490186.72, 3860785.12	0.04018	0.31767	0.00974	0.02119	1.62E-04	9.48E-03	6.21E-05	6.69E-05	9.77E-03	1.48E-04	0.00E+00	8.28E-07	1.82E-06	1.50E-04
869	490236.72, 3860785.12	0.04031	0.31178	0.00977	0.02094	1.63E-04	9.30E-03	6.23E-05	6.61E-05	9.59E-03	1.48E-04	0.00E+00	8.31E-07	1.80E-06	1.51E-04
870	490286.72, 3860785.12	0.04048	0.30613	0.00979	0.02071	1.64E-04	9.13E-03	6.24E-05	6.54E-05	9.42E-03	1.49E-04	0.00E+00	8.33E-07	1.78E-06	1.51E-04
871	490336.72, 3860785.12	0.04066	0.30061	0.0098	0.0205	1.64E-04	8.97E-03	6.25E-05	6.47E-05	9.26E-03	1.49E-04	0.00E+00	8.33E-07	1.77E-06	1.52E-04
872	490386.72, 3860785.12	0.04095	0.29578	0.00983	0.02035	1.66E-04	8.82E-03	6.27E-05	6.43E-05	9.12E-03	1.51E-04	0.00E+00	8.36E-07	1.75E-06	1.53E-04
873	490436.72, 3860785.12	0.04116	0.2906	0.00983	0.02016	1.66E-04	8.67E-03	6.27E-05	6.37E-05	8.96E-03	1.51E-04	0.00E+00	8.36E-07	1.74E-06	1.54E-04
874	490486.72, 3860785.12	0.04145	0.28597	0.00985	0.02004	1.68E-04	8.53E-03	6.28E-05	6.33E-05	8.83E-03	1.52E-04	0.00E+00	8.38E-07	1.73E-06	1.55E-04
875	490536.72, 3860785.12	0.0416	0.28084	0.00984	0.01983	1.68E-04	8.38E-03	6.28E-05	6.26E-05	8.67E-03	1.53E-04	0.00E+00	8.37E-07	1.71E-06	1.55E-04
876	490586.72, 3860785.12	0.04168	0.27551	0.00983	0.01959	1.68E-04	8.22E-03	6.27E-05	6.19E-05	8.51E-03	1.53E-04	0.00E+00	8.36E-07	1.69E-06	1.56E-04
877	490636.72, 3860785.12	0.04184	0.27091	0.00985	0.01943	1.69E-04	8.08E-03	6.28E-05	6.13E-05	8.38E-03	1.54E-04	0.00E+00	8.38E-07	1.67E-06	1.56E-04
878	490686.72, 3860785.12	0.04202	0.26675	0.0099	0.0193	1.70E-04	7.96E-03	6.31E-05	6.09E-05	8.25E-03	1.54E-04	0.00E+00	8.42E-07	1.66E-06	1.57E-04
879	490736.72, 3860785.12	0.0422	0.26295	0.00997	0.0192	1.71E-04	7.84E-03	6.36E-05	6.06E-05	8.14E-03	1.55E-04	0.00E+00	8.48E-07	1.65E-06	1.58E-04
880	490086.72, 3860835.12	0.03911	0.30555	0.00938	0.01998	1.58E-04	9.12E-03	5.98E-05	6.31E-05	9.40E-03	1.44E-04	0.00E+00	7.98E-07	1.72E-06	1.46E-04
881	490136.72, 3860835.12	0.03922	0.30113	0.0095	0.01982	1.59E-04	8.98E-03	6.06E-05	6.26E-05	9.27E-03	1.44E-04	0.00E+00	8.08E-07	1.71E-06	1.47E-04
882	490186.72, 3860835.12	0.03927	0.29605	0.00956	0.0196	1.59E-04	8.83E-03	6.10E-05	6.19E-05	9.11E-03	1.44E-04	0.00E+00	8.13E-07	1.69E-06	1.47E-04
883	490236.72, 3860835.12	0.03936	0.2912	0.0096	0.01939	1.59E-04	8.69E-03	6.12E-05	6.12E-05	8.97E-03	1.45E-04	0.00E+00	8.16E-07	1.67E-06	1.47E-04
884	490286.72, 3860835.12	0.03951	0.28669	0.00963	0.01921	1.60E-04	8.55E-03	6.14E-05	6.07E-05	8.83E-03	1.45E-04	0.00E+00	8.19E-07	1.65E-06	1.48E-04
885	490336.72, 3860835.12	0.03965	0.28202	0.00964	0.01901	1.60E-04	8.41E-03	6.15E-05	6.00E-05	8.70E-03	1.46E-04	0.00E+00	8.20E-07	1.64E-06	1.48E-04
886	490386.72, 3860835.12	0.03983	0.27758	0.00965	0.01884	1.61E-04	8.28E-03	6.16E-05	5.95E-05	8.56E-03	1.46E-04	0.00E+00	8.21E-07	1.62E-06	1.49E-04
887	490436.72, 3860835.12	0.04009	0.27356	0.00967	0.01871	1.62E-04	8.16E-03	6.17E-05	5.91E-05	8.44E-03	1.47E-04	0.00E+00	8.22E-07	1.61E-06	1.50E-04
888	490486.72, 3860835.12	0.04033	0.26951	0.00968	0.01857	1.63E-04	8.04E-03	6.17E-05	5.86E-05	8.32E-03	1.48E-04	0.00E+00	8.23E-07	1.60E-06	1.51E-04
889	490536.72, 3860835.12	0.04054	0.26535	0.00968	0.01843	1.64E-04	7.92E-03	6.17E-05	5.82E-05	8.20E-03	1.49E-04	0.00E+00	8.23E-07	1.59E-06	1.51E-04
890	490586.72, 3860835.12	0.0407	0.26104	0.00967	0.01827	1.65E-04	7.79E-03	6.17E-05	5.77E-05	8.07E-03	1.50E-04	0.00E+00	8.22E-07	1.57E-06	1.52E-04
891	490636.72, 3860835.12	0.04085	0.25688	0.00967	0.01812	1.65E-04	7.66E-03	6.17E-05	5.72E-05	7.95E-03	1.50E-04	0.00E+00	8.22E-07	1.56E-06	1.53E-04
892	490686.72, 3860835.12	0.04104	0.25318	0.0097	0.01801	1.66E-04	7.55E-03	6.19E-05	5.69E-05	7.84E-03	1.51E-04	0.00E+00	8.25E-07	1.55E-06	1.53E-04

893	490736.72, 3860835.12	0.04125	0.24986	0.00976	0.01793	1.67E-04	7.45E-03	6.23E-05	5.66E-05	7.74E-03	1.52E-04	0.00E+00	8.30E-07	1.54E-06	1.54E-04
894	490086.72, 3860885.12	0.03834	0.28331	0.00918	0.01847	1.55E-04	8.45E-03	5.86E-05	5.83E-05	8.72E-03	1.41E-04	0.00E+00	7.81E-07	1.59E-06	1.43E-04
895	490136.72, 3860885.12	0.03838	0.27958	0.0093	0.01833	1.55E-04	8.34E-03	5.93E-05	5.79E-05	8.61E-03	1.41E-04	0.00E+00	7.91E-07	1.58E-06	1.43E-04
896	490186.72, 3860885.12	0.03843	0.2757	0.00938	0.01818	1.55E-04	8.23E-03	5.98E-05	5.74E-05	8.50E-03	1.41E-04	0.00E+00	7.98E-07	1.57E-06	1.44E-04
897	490236.72, 3860885.12	0.0385	0.27191	0.00944	0.01802	1.56E-04	8.11E-03	6.02E-05	5.69E-05	8.38E-03	1.42E-04	0.00E+00	8.03E-07	1.55E-06	1.44E-04
898	490286.72, 3860885.12	0.0386	0.26811	0.00948	0.01787	1.56E-04	8.00E-03	6.05E-05	5.64E-05	8.27E-03	1.42E-04	0.00E+00	8.06E-07	1.54E-06	1.44E-04
899	490336.72, 3860885.12	0.0387	0.26424	0.00949	0.0177	1.56E-04	7.88E-03	6.05E-05	5.59E-05	8.16E-03	1.42E-04	0.00E+00	8.07E-07	1.52E-06	1.45E-04
900	490386.72, 3860885.12	0.03889	0.26074	0.00951	0.01757	1.57E-04	7.78E-03	6.07E-05	5.55E-05	8.05E-03	1.43E-04	0.00E+00	8.09E-07	1.51E-06	1.45E-04
901	490436.72, 3860885.12	0.0391	0.25739	0.00953	0.01744	1.58E-04	7.68E-03	6.08E-05	5.51E-05	7.95E-03	1.44E-04	0.00E+00	8.10E-07	1.50E-06	1.46E-04
902	490486.72, 3860885.12	0.03931	0.25391	0.00953	0.01732	1.59E-04	7.57E-03	6.08E-05	5.47E-05	7.85E-03	1.45E-04	0.00E+00	8.10E-07	1.49E-06	1.47E-04
903	490536.72, 3860885.12	0.03951	0.25038	0.00953	0.01719	1.60E-04	7.47E-03	6.08E-05	5.43E-05	7.74E-03	1.45E-04	0.00E+00	8.10E-07	1.48E-06	1.48E-04
904	490586.72, 3860885.12	0.0397	0.24679	0.00952	0.01705	1.60E-04	7.36E-03	6.07E-05	5.38E-05	7.64E-03	1.46E-04	0.00E+00	8.10E-07	1.47E-06	1.48E-04
905	490636.72, 3860885.12	0.03986	0.24323	0.00951	0.01693	1.61E-04	7.26E-03	6.07E-05	5.35E-05	7.53E-03	1.47E-04	0.00E+00	8.09E-07	1.46E-06	1.49E-04
906	490686.72, 3860885.12	0.04005	0.23991	0.00953	0.01682	1.62E-04	7.16E-03	6.08E-05	5.31E-05	7.43E-03	1.47E-04	0.00E+00	8.10E-07	1.45E-06	1.50E-04
907	490736.72, 3860885.12	0.04023	0.23679	0.00955	0.01673	1.63E-04	7.06E-03	6.09E-05	5.28E-05	7.34E-03	1.48E-04	0.00E+00	8.12E-07	1.44E-06	1.50E-04
908	490086.72, 3860935.12	0.03755	0.26215	0.00895	0.01705	1.52E-04	7.82E-03	5.71E-05	5.38E-05	8.08E-03	1.38E-04	0.00E+00	7.61E-07	1.47E-06	1.40E-04
909	490136.72, 3860935.12	0.03754	0.25901	0.00907	0.01694	1.52E-04	7.73E-03	5.79E-05	5.35E-05	7.99E-03	1.38E-04	0.00E+00	7.71E-07	1.46E-06	1.40E-04
910	490186.72, 3860935.12	0.0376	0.25635	0.00918	0.01686	1.52E-04	7.65E-03	5.86E-05	5.32E-05	7.91E-03	1.38E-04	0.00E+00	7.81E-07	1.45E-06	1.40E-04
911	490236.72, 3860935.12	0.03767	0.25354	0.00926	0.01676	1.52E-04	7.56E-03	5.91E-05	5.29E-05	7.83E-03	1.38E-04	0.00E+00	7.88E-07	1.44E-06	1.41E-04
912	490286.72, 3860935.12	0.03776	0.25071	0.00932	0.01666	1.53E-04	7.48E-03	5.94E-05	5.26E-05	7.74E-03	1.39E-04	0.00E+00	7.93E-07	1.43E-06	1.41E-04
913	490336.72, 3860935.12	0.03784	0.24754	0.00935	0.01653	1.53E-04	7.38E-03	5.96E-05	5.22E-05	7.65E-03	1.39E-04	0.00E+00	7.95E-07	1.42E-06	1.41E-04
914	490386.72, 3860935.12	0.038	0.2448	0.00937	0.01643	1.54E-04	7.30E-03	5.98E-05	5.19E-05	7.57E-03	1.40E-04	0.00E+00	7.97E-07	1.41E-06	1.42E-04
915	490436.72, 3860935.12	0.03818	0.24204	0.00939	0.01632	1.54E-04	7.22E-03	5.99E-05	5.15E-05	7.49E-03	1.40E-04	0.00E+00	7.99E-07	1.41E-06	1.43E-04
916	490486.72, 3860935.12	0.03835	0.23905	0.00939	0.01621	1.55E-04	7.13E-03	5.99E-05	5.12E-05	7.40E-03	1.41E-04	0.00E+00	7.99E-07	1.40E-06	1.43E-04
917	490536.72, 3860935.12	0.03855	0.23617	0.00939	0.0161	1.56E-04	7.05E-03	5.99E-05	5.08E-05	7.31E-03	1.42E-04	0.00E+00	7.99E-07	1.39E-06	1.44E-04
918	490586.72, 3860935.12	0.03873	0.23312	0.00938	0.01598	1.57E-04	6.95E-03	5.98E-05	5.05E-05	7.22E-03	1.42E-04	0.00E+00	7.98E-07	1.38E-06	1.45E-04
919	490636.72, 3860935.12	0.0389	0.23009	0.00937	0.01587	1.57E-04	6.86E-03	5.98E-05	5.01E-05	7.13E-03	1.43E-04	0.00E+00	7.97E-07	1.37E-06	1.45E-04
920	490686.72, 3860935.12	0.03909	0.22723	0.00937	0.01577	1.58E-04	6.78E-03	5.98E-05	4.98E-05	7.05E-03	1.44E-04	0.00E+00	7.97E-07	1.36E-06	1.46E-04
921	490736.72, 3860935.12	0.03927	0.22444	0.00938	0.01569	1.59E-04	6.70E-03	5.98E-05	4.95E-05	6.96E-03	1.44E-04	0.00E+00	7.98E-07	1.35E-06	1.47E-04
922	490786.72, 3860935.12	0.03945	0.22178	0.00941	0.01561	1.59E-04	6.62E-03	6.00E-05	4.93E-05	6.89E-03	1.45E-04	0.00E+00	8.00E-07	1.34E-06	1.47E-04
923	490836.72, 3860935.12	0.03965	0.21948	0.00946	0.01556	1.60E-04	6.55E-03	6.03E-05	4.91E-05	6.82E-03	1.46E-04	0.00E+00	8.05E-07	1.34E-06	1.48E-04
924	490086.72, 3860985.12	0.03684	0.24307	0.00873	0.01579	1.49E-04	7.25E-03	5.57E-05	4.99E-05	7.51E-03	1.35E-04	0.00E+00	7.42E-07	1.36E-06	1.38E-04
925	490136.72, 3860985.12	0.03685	0.24094	0.00888	0.01573	1.49E-04	7.19E-03	5.66E-05	4.97E-05	7.44E-03	1.35E-04	0.00E+00	7.55E-07	1.35E-06	1.38E-04
926	490186.72, 3860985.12	0.0369	0.23901	0.00901	0.01569	1.49E-04	7.13E-03	5.75E-05	4.95E-05	7.39E-03	1.36E-04	0.00E+00	7.66E-07	1.35E-06	1.38E-04
927	490236.72, 3860985.12	0.0369	0.23652	0.00909	0.01561	1.49E-04	7.06E-03	5.80E-05	4.93E-05	7.31E-03	1.36E-04	0.00E+00	7.73E-07	1.34E-06	1.38E-04
928	490286.72, 3860985.12	0.03694	0.23418	0.00915	0.01553	1.49E-04	6.99E-03	5.84E-05	4.90E-05	7.24E-03	1.36E-04	0.00E+00	7.78E-07	1.34E-06	1.38E-04
929	490336.72, 3860985.12	0.03702	0.23186	0.0092	0.01545	1.50E-04	6.92E-03	5.87E-05	4.88E-05	7.17E-03	1.36E-04	0.00E+00	7.82E-07	1.33E-06	1.38E-04
930	490386.72, 3860985.12	0.03714	0.2296	0.00923	0.01537	1.50E-04	6.85E-03	5.89E-05	4.85E-05	7.11E-03	1.37E-04	0.00E+00	7.85E-07	1.32E-06	1.39E-04
931	490436.72, 3860985.12	0.03732	0.22758	0.00926	0.01531	1.51E-04	6.79E-03	5.91E-05	4.83E-05	7.05E-03	1.37E-04	0.00E+00	7.88E-07	1.32E-06	1.39E-04
932	490486.72, 3860985.12	0.03746	0.22511	0.00927	0.01521	1.51E-04	6.72E-03	5.91E-05	4.80E-05	6.97E-03	1.38E-04	0.00E+00	7.88E-07	1.31E-06	1.40E-04
933	490536.72, 3860985.12	0.03761	0.22254	0.00926	0.01511	1.52E-04	6.64E-03	5.91E-05	4.77E-05	6.90E-03	1.38E-04	0.00E+00	7.88E-07	1.30E-06	1.40E-04
934	490586.72, 3860985.12	0.03778	0.22001	0.00925	0.01501	1.53E-04	6.56E-03	5.90E-05	4.74E-05	6.82E-03	1.39E-04	0.00E+00	7.87E-07	1.29E-06	1.41E-04
935	490636.72, 3860985.12	0.03798	0.21764	0.00924	0.01493	1.54E-04	6.49E-03	5.89E-05	4.71E-05	6.75E-03	1.40E-04	0.00E+00	7.86E-07	1.29E-06	1.42E-04
936	490686.72, 3860985.12	0.03816	0.21511	0.00924	0.01484	1.54E-04	6.42E-03	5.89E-05	4.69E-05	6.68E-03	1.40E-04	0.00E+00	7.86E-07	1.28E-06	1.42E-04
937	490736.72, 3860985.12	0.03833	0.21262	0.00923	0.01475	1.55E-04	6.34E-03	5.89E-05	4.66E-05	6.60E-03	1.41E-04	0.00E+00	7.85E-07	1.27E-06	1.43E-04
938	490786.72, 3860985.12	0.03853	0.21034	0.00925	0.01469	1.56E-04	6.28E-03	5.90E-05	4.64E-05	6.54E-03	1.42E-04	0.00E+00	7.87E-07	1.26E-06	1.44E-04
939	490836.72, 3860985.12	0.03873	0.20828	0.00928	0.01464	1.57E-04	6.21E-03	5.92E-05	4.62E-05	6.48E-03	1.42E-04	0.00E+00	7.89E-07	1.26E-06	1.44E-04
940	490086.72, 3861035.12	0.03614	0.22556	0.0085	0.01468	1.46E-04	6.73E-03	5.42E-05	4.64E-05	6.98E-03	1.33E-04	0.00E+00	7.23E-07	1.26E-06	1.35E-04
941	490136.72, 3861035.12	0.03616	0.22411	0.00867	0.01464	1.46E-04	6.69E-03	5.53E-05	4.62E-05	6.93E-03	1.33E-04	0.00E+00	7.37E-07	1.26E-06	1.35E-04
942	490186.72, 3861035.12	0.03617	0.22248	0.0088	0.0146	1.46E-04	6.64E-03	5.61E-05	4.61E-05	6.89E-03	1.33E-04	0.00E+00	7.48E-07	1.26E-06	1.35E-04
943	490236.72, 3861035.12	0.0362	0.22093	0.00891	0.01456	1.46E-04	6.59E-03	5.68E-05	4.60E-05	6.84E-03	1.33E-04	0.00E+00	7.58E-07	1.25E-06	1.35E-04
944	490286.72, 3861035.12	0.0362	0.21898	0.00899	0.0145	1.46E-04	6.53E-03	5.73E-05	4.58E-05	6.78E-03	1.33E-04	0.00E+00	7.65E-07	1.25E-06	1.35E-04
945	490336.72, 3861035.12	0.03624	0.21709	0.00904	0.01445	1.46E-04	6.48E-03	5.77E-05	4.56E-05	6.73E-03	1.33E-04	0.00E+00	7.69E-07	1.24E-06	1.35E-04
946	490386.72, 3861035.12	0.03636	0.21558	0.00909	0.01441	1.47E-04	6.43E-03	5.80E-05	4.55E-05	6.68E-03	1.34E-04	0.00E+00	7.73E-07	1.24E-06	1.36E-04
947	490436.72, 3861035.12	0.03651	0.21398	0.00913	0.01437	1.48E-04	6.38E-03	5.82E-05	4.54E-05	6.63E-03	1.34E-04	0.00E+00	7.76E-07	1.24E-06	1.36E-04
948	490486.72, 3861035.12	0.03664	0.21204	0.00914	0.01431	1.48E-04	6.33E-03	5.83E-05	4.52E-05	6.58E-03	1.35E-04	0.00E+00	7.77E-07	1.23E-06	1.37E-04
949	490536.72, 3861035.12	0.03676	0.20995	0.00914	0.01423	1.49E-04	6.26E-03	5.83E-05	4.49E-05	6.52E-03	1.35E-04	0.00E+00	7.77E-07	1.23E-06	1.37E-04
950	490586.72, 3861035.12	0.03691	0.2078	0.00913	0.01415	1.49E-04	6.20E-03	5.82E-05	4.47E-05	6.45E-03	1.36E-04	0.00E+00	7.76E-07	1.22E-06	1.38E-04
951	490636.72, 3861035.12	0.03707	0.20564	0.00912	0.01407	1.50E-04	6.13E-03	5.82E-05	4.44E-05	6.39E-03	1.36E-04	0.00E+00	7.76E-07	1.21E-06	1.38E-04
952	490686.72, 3861035.12	0.03724	0.2035	0.00911	0.01399	1.51E-04	6.07E-03	5.81E-05	4.42E-05	6.32E-03	1.37E-04	0.00E+00	7.75E-07	1.20E-06	1.39E-04
953	490736.72, 3861035.12	0.03742	0.20141	0.0091	0.01391	1.51E-04	6.01E-03	5.80E-05	4.39E-05	6.26E-03	1.38E-04	0.00E+00	7.74E-07	1.20E-06	1.40E-04
954	490786.72, 3861035.12	0.03762	0.1995	0.0091	0.01386	1.52E-04	5.95E-03	5.80E-05	4.38E-05	6.21E-03	1.38E-04	0.00E+00	7.74E-07	1.19E-06	1.40E-04
955	490836.72, 3861035.12	0.03783	0.19766	0.00912	0.01381	1.53E-04	5.90E-03	5.82E-05	4.36E-05	6.15E-03	1.39E-04	0.00E+00	7.76E-07	1.19E-06	1.41E-04
956	490086.72, 3861085.12	0.03548	0.20975	0.00828	0.01371	1.43E-04	6.26E-03	5.28E-05	4.33E-05	6.50E-03	1.30E-04	0.00E+00	7.04E-07	1.18E-06	1.32E-04

957	490136.72, 3861085.12	0.03553	0.20895	0.00846	0.01369	1.44E-04	6.23E-03	5.40E-05	4.32E-05	6.47E-03	1.31E-04	0.00E+00	7.19E-07	1.18E-06	1.33E-04
958	490186.72, 3861085.12	0.03559	0.20813	0.00863	0.01367	1.44E-04	6.21E-03	5.50E-05	4.32E-05	6.45E-03	1.31E-04	0.00E+00	7.34E-07	1.18E-06	1.33E-04
959	490236.72, 3861085.12	0.03556	0.20665	0.00874	0.01363	1.44E-04	6.17E-03	5.57E-05	4.30E-05	6.41E-03	1.31E-04	0.00E+00	7.43E-07	1.17E-06	1.33E-04
960	490286.72, 3861085.12	0.03555	0.20519	0.00883	0.01359	1.44E-04	6.12E-03	5.63E-05	4.29E-05	6.36E-03	1.31E-04	0.00E+00	7.51E-07	1.17E-06	1.33E-04
961	490336.72, 3861085.12	0.03555	0.20368	0.00889	0.01355	1.44E-04	6.08E-03	5.67E-05	4.28E-05	6.32E-03	1.31E-04	0.00E+00	7.56E-07	1.17E-06	1.33E-04
962	490386.72, 3861085.12	0.03564	0.20251	0.00895	0.01353	1.44E-04	6.04E-03	5.71E-05	4.27E-05	6.29E-03	1.31E-04	0.00E+00	7.61E-07	1.17E-06	1.33E-04
963	490436.72, 3861085.12	0.03572	0.20108	0.00899	0.01349	1.44E-04	6.00E-03	5.73E-05	4.26E-05	6.24E-03	1.31E-04	0.00E+00	7.65E-07	1.16E-06	1.33E-04
964	490486.72, 3861085.12	0.03582	0.19957	0.00901	0.01345	1.45E-04	5.95E-03	5.75E-05	4.25E-05	6.20E-03	1.32E-04	0.00E+00	7.66E-07	1.16E-06	1.34E-04
965	490536.72, 3861085.12	0.03597	0.19815	0.00902	0.01341	1.45E-04	5.91E-03	5.75E-05	4.23E-05	6.16E-03	1.32E-04	0.00E+00	7.67E-07	1.15E-06	1.34E-04
966	490586.72, 3861085.12	0.03608	0.19634	0.00902	0.01335	1.46E-04	5.86E-03	5.75E-05	4.22E-05	6.10E-03	1.33E-04	0.00E+00	7.67E-07	1.15E-06	1.35E-04
967	490636.72, 3861085.12	0.03619	0.19436	0.009	0.01327	1.46E-04	5.80E-03	5.74E-05	4.19E-05	6.04E-03	1.33E-04	0.00E+00	7.65E-07	1.14E-06	1.35E-04
968	490686.72, 3861085.12	0.03635	0.19255	0.00898	0.01321	1.47E-04	5.74E-03	5.73E-05	4.17E-05	5.99E-03	1.34E-04	0.00E+00	7.64E-07	1.14E-06	1.36E-04
969	490736.72, 3861085.12	0.03654	0.19085	0.00898	0.01315	1.48E-04	5.69E-03	5.73E-05	4.15E-05	5.94E-03	1.34E-04	0.00E+00	7.64E-07	1.13E-06	1.36E-04
970	490786.72, 3861085.12	0.03673	0.1892	0.00897	0.0131	1.48E-04	5.64E-03	5.72E-05	4.14E-05	5.89E-03	1.35E-04	0.00E+00	7.63E-07	1.13E-06	1.37E-04
971	490836.72, 3861085.12	0.03693	0.18757	0.00898	0.01306	1.49E-04	5.60E-03	5.73E-05	4.12E-05	5.84E-03	1.36E-04	0.00E+00	7.64E-07	1.12E-06	1.38E-04
972	490086.72, 3861135.12	0.03483	0.19547	0.00804	0.01285	1.41E-04	5.83E-03	5.13E-05	4.06E-05	6.06E-03	1.28E-04	0.00E+00	6.84E-07	1.11E-06	1.30E-04
973	490136.72, 3861135.12	0.03487	0.19485	0.00824	0.01282	1.41E-04	5.81E-03	5.26E-05	4.05E-05	6.05E-03	1.28E-04	0.00E+00	7.01E-07	1.10E-06	1.30E-04
974	490186.72, 3861135.12	0.03491	0.19424	0.00841	0.01281	1.41E-04	5.79E-03	5.36E-05	4.04E-05	6.03E-03	1.28E-04	0.00E+00	7.15E-07	1.10E-06	1.30E-04
975	490236.72, 3861135.12	0.03493	0.19346	0.00856	0.01279	1.41E-04	5.77E-03	5.46E-05	4.04E-05	6.01E-03	1.28E-04	0.00E+00	7.28E-07	1.10E-06	1.30E-04
976	490286.72, 3861135.12	0.03493	0.19248	0.00867	0.01277	1.41E-04	5.74E-03	5.53E-05	4.03E-05	5.98E-03	1.28E-04	0.00E+00	7.37E-07	1.10E-06	1.30E-04
977	490336.72, 3861135.12	0.03492	0.19134	0.00874	0.01274	1.41E-04	5.71E-03	5.57E-05	4.02E-05	5.95E-03	1.28E-04	0.00E+00	7.43E-07	1.10E-06	1.30E-04
978	490386.72, 3861135.12	0.03496	0.19033	0.00881	0.01272	1.41E-04	5.68E-03	5.62E-05	4.02E-05	5.92E-03	1.29E-04	0.00E+00	7.49E-07	1.10E-06	1.30E-04
979	490436.72, 3861135.12	0.035	0.18919	0.00885	0.0127	1.41E-04	5.64E-03	5.64E-05	4.01E-05	5.88E-03	1.29E-04	0.00E+00	7.53E-07	1.09E-06	1.31E-04
980	490486.72, 3861135.12	0.03508	0.18805	0.00888	0.01268	1.42E-04	5.61E-03	5.66E-05	4.00E-05	5.85E-03	1.29E-04	0.00E+00	7.55E-07	1.09E-06	1.31E-04
981	490536.72, 3861135.12	0.03518	0.18684	0.0089	0.01265	1.42E-04	5.57E-03	5.68E-05	3.99E-05	5.81E-03	1.29E-04	0.00E+00	7.57E-07	1.09E-06	1.31E-04
982	490586.72, 3861135.12	0.03528	0.18545	0.0089	0.01261	1.43E-04	5.53E-03	5.68E-05	3.98E-05	5.77E-03	1.30E-04	0.00E+00	7.57E-07	1.09E-06	1.32E-04
983	490636.72, 3861135.12	0.03538	0.18385	0.00888	0.01255	1.43E-04	5.48E-03	5.66E-05	3.96E-05	5.72E-03	1.30E-04	0.00E+00	7.55E-07	1.08E-06	1.32E-04
984	490686.72, 3861135.12	0.03553	0.18242	0.00888	0.0125	1.44E-04	5.44E-03	5.66E-05	3.95E-05	5.68E-03	1.31E-04	0.00E+00	7.55E-07	1.08E-06	1.32E-04
985	490736.72, 3861135.12	0.03571	0.18103	0.00887	0.01246	1.44E-04	5.40E-03	5.66E-05	3.93E-05	5.64E-03	1.31E-04	0.00E+00	7.54E-07	1.07E-06	1.33E-04
986	490786.72, 3861135.12	0.03589	0.17961	0.00886	0.01242	1.45E-04	5.36E-03	5.65E-05	3.92E-05	5.60E-03	1.32E-04	0.00E+00	7.54E-07	1.07E-06	1.34E-04
987	490836.72, 3861135.12	0.03608	0.17815	0.00885	0.01238	1.46E-04	5.31E-03	5.64E-05	3.91E-05	5.56E-03	1.33E-04	0.00E+00	7.53E-07	1.07E-06	1.34E-04
988	490086.72, 3861185.12	0.03419	0.18268	0.00781	0.01209	1.38E-04	5.45E-03	4.98E-05	3.82E-05	5.68E-03	1.26E-04	0.00E+00	6.64E-07	1.04E-06	1.27E-04
989	490136.72, 3861185.12	0.03419	0.1819	0.008	0.01205	1.38E-04	5.43E-03	5.10E-05	3.80E-05	5.65E-03	1.26E-04	0.00E+00	6.80E-07	1.04E-06	1.27E-04
990	490186.72, 3861185.12	0.03421	0.18138	0.00819	0.01203	1.38E-04	5.41E-03	5.22E-05	3.80E-05	5.64E-03	1.26E-04	0.00E+00	6.97E-07	1.04E-06	1.28E-04
991	490236.72, 3861185.12	0.03424	0.1809	0.00834	0.01202	1.38E-04	5.40E-03	5.32E-05	3.80E-05	5.63E-03	1.26E-04	0.00E+00	7.09E-07	1.04E-06	1.28E-04
992	490286.72, 3861185.12	0.03429	0.18051	0.00848	0.01202	1.39E-04	5.39E-03	5.41E-05	3.80E-05	5.62E-03	1.26E-04	0.00E+00	7.21E-07	1.04E-06	1.28E-04
993	490336.72, 3861185.12	0.03423	0.17938	0.00857	0.01198	1.38E-04	5.35E-03	5.47E-05	3.78E-05	5.58E-03	1.26E-04	0.00E+00	7.29E-07	1.03E-06	1.28E-04
994	490386.72, 3861185.12	0.03426	0.17869	0.00864	0.01198	1.38E-04	5.33E-03	5.51E-05	3.78E-05	5.56E-03	1.26E-04	0.00E+00	7.35E-07	1.03E-06	1.28E-04
995	490436.72, 3861185.12	0.03433	0.17809	0.00871	0.01198	1.39E-04	5.31E-03	5.56E-05	3.78E-05	5.55E-03	1.26E-04	0.00E+00	7.41E-07	1.03E-06	1.28E-04
996	490486.72, 3861185.12	0.03437	0.17719	0.00875	0.01196	1.39E-04	5.29E-03	5.58E-05	3.78E-05	5.52E-03	1.26E-04	0.00E+00	7.44E-07	1.03E-06	1.28E-04
997	490536.72, 3861185.12	0.0345	0.17661	0.00879	0.01197	1.39E-04	5.27E-03	5.61E-05	3.78E-05	5.50E-03	1.27E-04	0.00E+00	7.48E-07	1.03E-06	1.29E-04
998	490586.72, 3861185.12	0.03456	0.17543	0.00879	0.01193	1.40E-04	5.23E-03	5.61E-05	3.77E-05	5.47E-03	1.27E-04	0.00E+00	7.48E-07	1.03E-06	1.29E-04
999	490636.72, 3861185.12	0.0346	0.17395	0.00877	0.01188	1.40E-04	5.19E-03	5.59E-05	3.75E-05	5.42E-03	1.27E-04	0.00E+00	7.46E-07	1.02E-06	1.29E-04
1000	490686.72, 3861185.12	0.03473	0.17277	0.00876	0.01185	1.40E-04	5.15E-03	5.59E-05	3.74E-05	5.39E-03	1.28E-04	0.00E+00	7.45E-07	1.02E-06	1.29E-04
1001	490736.72, 3861185.12	0.03491	0.17178	0.00876	0.01183	1.41E-04	5.12E-03	5.59E-05	3.74E-05	5.36E-03	1.28E-04	0.00E+00	7.45E-07	1.02E-06	1.30E-04
1002	490786.72, 3861185.12	0.03509	0.17066	0.00876	0.0118	1.42E-04	5.09E-03	5.59E-05	3.73E-05	5.33E-03	1.29E-04	0.00E+00	7.45E-07	1.02E-06	1.31E-04
1003	490836.72, 3861185.12	0.03527	0.16943	0.00875	0.01176	1.43E-04	5.05E-03	5.58E-05	3.71E-05	5.29E-03	1.30E-04	0.00E+00	7.44E-07	1.01E-06	1.31E-04
1004	490086.72, 3861235.12	0.03356	0.17116	0.00757	0.01141	1.36E-04	5.11E-03	4.83E-05	3.60E-05	5.33E-03	1.23E-04	0.00E+00	6.44E-07	9.83E-07	1.25E-04
1005	490136.72, 3861235.12	0.03357	0.17056	0.00778	0.01138	1.36E-04	5.09E-03	4.96E-05	3.59E-05	5.31E-03	1.23E-04	0.00E+00	6.62E-07	9.80E-07	1.25E-04
1006	490186.72, 3861235.12	0.03361	0.17019	0.00797	0.01137	1.36E-04	5.08E-03	5.08E-05	3.59E-05	5.30E-03	1.24E-04	0.00E+00	6.78E-07	9.79E-07	1.25E-04
1007	490236.72, 3861235.12	0.03359	0.16956	0.00813	0.01134	1.36E-04	5.06E-03	5.19E-05	3.58E-05	5.28E-03	1.23E-04	0.00E+00	6.91E-07	9.76E-07	1.25E-04
1008	490386.72, 3861235.12	0.0336	0.16794	0.00848	0.01131	1.36E-04	5.01E-03	5.41E-05	3.57E-05	5.24E-03	1.24E-04	0.00E+00	7.21E-07	9.74E-07	1.25E-04
1009	490436.72, 3861235.12	0.0336	0.1673	0.00854	0.0113	1.36E-04	4.99E-03	5.45E-05	3.57E-05	5.22E-03	1.24E-04	0.00E+00	7.26E-07	9.73E-07	1.25E-04
1010	490486.72, 3861235.12	0.03364	0.1667	0.00859	0.01129	1.36E-04	4.97E-03	5.48E-05	3.56E-05	5.20E-03	1.24E-04	0.00E+00	7.31E-07	9.72E-07	1.25E-04
1011	490536.72, 3861235.12	0.03379	0.16662	0.00865	0.01132	1.37E-04	4.97E-03	5.52E-05	3.57E-05	5.20E-03	1.24E-04	0.00E+00	7.36E-07	9.75E-07	1.26E-04
1012	490586.72, 3861235.12	0.03391	0.16616	0.00869	0.01132	1.37E-04	4.96E-03	5.54E-05	3.57E-05	5.19E-03	1.25E-04	0.00E+00	7.39E-07	9.75E-07	1.26E-04
1013	490636.72, 3861235.12	0.03387	0.16465	0.00866	0.01127	1.37E-04	4.91E-03	5.52E-05	3.56E-05	5.14E-03	1.25E-04	0.00E+00	7.37E-07	9.70E-07	1.26E-04
1014	490686.72, 3861235.12	0.03398	0.16375	0.00866	0.01125	1.37E-04	4.89E-03	5.52E-05	3.55E-05	5.11E-03	1.25E-04	0.00E+00	7.37E-07	9.69E-07	1.27E-04
1015	490736.72, 3861235.12	0.03414	0.16301	0.00866	0.01123	1.38E-04	4.86E-03	5.52E-05	3.55E-05	5.09E-03	1.26E-04	0.00E+00	7.37E-07	9.67E-07	1.27E-04
1016	490786.72, 3861235.12	0.03433	0.16222	0.00866	0.01122	1.39E-04	4.84E-03	5.52E-05	3.54E-05	5.07E-03	1.26E-04	0.00E+00	7.37E-07	9.66E-07	1.28E-04
1017	490836.72, 3861235.12	0.03449	0.16121	0.00865	0.01119	1.39E-04	4.81E-03	5.52E-05	3.53E-05	5.04E-03	1.27E-04	0.00E+00	7.36E-07	9.64E-07	1.29E-04
1018	490086.72, 3861285.12	0.03299	0.16116	0.00735	0.01083	1.33E-04	4.81E-03	4.69E-05	3.42E-05	5.02E-03	1.21E-04	0.00E+00	6.25E-07	9.33E-07	1.23E-04
1019	490136.72, 3861285.12	0.03307	0.16096	0.00758	0.01082	1.34E-04	4.80E-03	4.83E-05	3.42E-05	5.02E-03	1.22E-04	0.00E+00	6.45E-07	9.32E-07	1.23E-04
1020	490186.72, 3861285.12	0.03303	0.16023	0.00776	0.01079	1.34E-04	4.78E-03	4.95E-05	3.41E-05	5.00E-03	1.21E-04	0.00E+00	6.60E-07	9.29E-07	1.23E-04

1021	490236.72, 3861285.12	0.03303	0.1597	0.00793	0.01076	1.34E-04	4.76E-03	5.06E-05	3.40E-05	4.98E-03	1.21E-04	0.00E+00	6.74E-07	9.27E-07	1.23E-04
1022	490386.72, 3861285.12	0.03301	0.15834	0.00831	0.01072	1.33E-04	4.72E-03	5.30E-05	3.38E-05	4.94E-03	1.21E-04	0.00E+00	7.07E-07	9.23E-07	1.23E-04
1023	490436.72, 3861285.12	0.03303	0.15803	0.0084	0.01072	1.34E-04	4.71E-03	5.36E-05	3.38E-05	4.94E-03	1.21E-04	0.00E+00	7.14E-07	9.23E-07	1.23E-04
1024	490486.72, 3861285.12	0.03303	0.15747	0.00846	0.01071	1.34E-04	4.70E-03	5.40E-05	3.38E-05	4.92E-03	1.21E-04	0.00E+00	7.19E-07	9.22E-07	1.23E-04
1025	490536.72, 3861285.12	0.03307	0.15705	0.0085	0.01071	1.34E-04	4.69E-03	5.42E-05	3.38E-05	4.91E-03	1.22E-04	0.00E+00	7.23E-07	9.22E-07	1.23E-04
1026	490586.72, 3861285.12	0.03315	0.15668	0.00854	0.01072	1.34E-04	4.67E-03	5.45E-05	3.38E-05	4.90E-03	1.22E-04	0.00E+00	7.26E-07	9.23E-07	1.24E-04
1027	490636.72, 3861285.12	0.03316	0.15578	0.00854	0.01069	1.34E-04	4.65E-03	5.45E-05	3.38E-05	4.87E-03	1.22E-04	0.00E+00	7.26E-07	9.21E-07	1.24E-04
1028	490686.72, 3861285.12	0.03325	0.15515	0.00855	0.01068	1.34E-04	4.63E-03	5.45E-05	3.37E-05	4.85E-03	1.22E-04	0.00E+00	7.27E-07	9.20E-07	1.24E-04
1029	490736.72, 3861285.12	0.03344	0.15485	0.00856	0.01069	1.35E-04	4.62E-03	5.46E-05	3.38E-05	4.84E-03	1.23E-04	0.00E+00	7.28E-07	9.21E-07	1.25E-04
1030	490786.72, 3861285.12	0.03357	0.15409	0.00855	0.01068	1.36E-04	4.60E-03	5.45E-05	3.37E-05	4.82E-03	1.23E-04	0.00E+00	7.27E-07	9.20E-07	1.25E-04
1031	490836.72, 3861285.12	0.03369	0.15314	0.00854	0.01065	1.36E-04	4.57E-03	5.45E-05	3.36E-05	4.79E-03	1.24E-04	0.00E+00	7.26E-07	9.17E-07	1.26E-04
1032	490061.24, 3859716.13	0.06529	0.57117	0.01692	0.08374	2.64E-04	1.70E-02	1.08E-04	2.64E-04	1.77E-02	2.40E-04	0.00E+00	1.44E-06	7.21E-06	2.49E-04
1033	490111.24, 3859716.13	0.06476	0.55905	0.0171	0.08086	2.62E-04	1.67E-02	1.09E-04	2.55E-04	1.73E-02	2.38E-04	0.00E+00	1.45E-06	6.96E-06	2.47E-04
1034	490161.24, 3859716.13	0.0642	0.54755	0.01723	0.07819	2.60E-04	1.63E-02	1.10E-04	2.47E-04	1.70E-02	2.36E-04	0.00E+00	1.47E-06	6.73E-06	2.44E-04
1035	490211.24, 3859716.13	0.06362	0.53734	0.01732	0.07574	2.57E-04	1.60E-02	1.10E-04	2.39E-04	1.66E-02	2.34E-04	0.00E+00	1.47E-06	6.52E-06	2.42E-04
1036	490061.24, 3859766.13	0.06431	0.56941	0.01629	0.08162	2.60E-04	1.70E-02	1.04E-04	2.58E-04	1.76E-02	2.36E-04	0.00E+00	1.39E-06	7.03E-06	2.45E-04
1037	490111.24, 3859766.13	0.06378	0.55784	0.01646	0.07882	2.58E-04	1.66E-02	1.05E-04	2.49E-04	1.73E-02	2.34E-04	0.00E+00	1.40E-06	6.79E-06	2.43E-04
1038	490161.24, 3859766.13	0.06321	0.54758	0.01659	0.07624	2.56E-04	1.63E-02	1.06E-04	2.41E-04	1.69E-02	2.32E-04	0.00E+00	1.41E-06	6.57E-06	2.40E-04
1039	490211.24, 3859766.13	0.06267	0.53616	0.01671	0.0738	2.53E-04	1.60E-02	1.07E-04	2.33E-04	1.66E-02	2.30E-04	0.00E+00	1.42E-06	6.35E-06	2.38E-04
1040	490061.24, 3859816.13	0.06327	0.56875	0.01566	0.07938	2.56E-04	1.70E-02	9.99E-05	2.51E-04	1.76E-02	2.33E-04	0.00E+00	1.33E-06	6.84E-06	2.41E-04
1041	490111.24, 3859816.13	0.06277	0.55842	0.01584	0.07667	2.54E-04	1.67E-02	1.01E-04	2.42E-04	1.73E-02	2.31E-04	0.00E+00	1.35E-06	6.60E-06	2.39E-04
1042	490161.24, 3859816.13	0.06226	0.54673	0.016	0.07412	2.52E-04	1.63E-02	1.02E-04	2.34E-04	1.69E-02	2.29E-04	0.00E+00	1.36E-06	6.38E-06	2.37E-04
1043	490211.24, 3859816.13	0.06172	0.53531	0.01613	0.07176	2.49E-04	1.60E-02	1.03E-04	2.27E-04	1.65E-02	2.27E-04	0.00E+00	1.37E-06	6.18E-06	2.34E-04
1044	490061.24, 3859866.13	0.06218	0.57016	0.01504	0.07706	2.51E-04	1.70E-02	9.59E-05	2.43E-04	1.76E-02	2.29E-04	0.00E+00	1.28E-06	6.64E-06	2.37E-04
1045	490111.24, 3859866.13	0.06177	0.55803	0.01525	0.0744	2.50E-04	1.66E-02	9.73E-05	2.35E-04	1.72E-02	2.27E-04	0.00E+00	1.30E-06	6.41E-06	2.35E-04
1046	490161.24, 3859866.13	0.06133	0.54611	0.01544	0.07191	2.48E-04	1.63E-02	9.85E-05	2.27E-04	1.69E-02	2.25E-04	0.00E+00	1.31E-06	6.19E-06	2.33E-04
1047	490211.24, 3859866.13	0.06085	0.53448	0.0156	0.06959	2.46E-04	1.59E-02	9.95E-05	2.20E-04	1.65E-02	2.24E-04	0.00E+00	1.33E-06	5.99E-06	2.31E-04
1048	490061.24, 3859916.13	0.06101	0.57076	0.01444	0.07459	2.47E-04	1.70E-02	9.21E-05	2.36E-04	1.76E-02	2.24E-04	0.00E+00	1.23E-06	6.42E-06	2.32E-04
1049	490111.24, 3859916.13	0.06072	0.5581	0.01467	0.072	2.45E-04	1.66E-02	9.36E-05	2.27E-04	1.72E-02	2.23E-04	0.00E+00	1.25E-06	6.20E-06	2.31E-04
1050	490161.24, 3859916.13	0.06034	0.54586	0.01488	0.06961	2.44E-04	1.63E-02	9.49E-05	2.20E-04	1.68E-02	2.22E-04	0.00E+00	1.27E-06	5.99E-06	2.29E-04
1051	490211.24, 3859916.13	0.0599	0.534	0.01505	0.0674	2.42E-04	1.59E-02	9.60E-05	2.13E-04	1.65E-02	2.20E-04	0.00E+00	1.28E-06	5.80E-06	2.27E-04
1052	490229.25, 3859815.26	0.06158	0.53115	0.0162	0.07094	2.49E-04	1.58E-02	1.03E-04	2.24E-04	1.64E-02	2.26E-04	0.00E+00	1.38E-06	6.11E-06	2.34E-04
1053	490279.25, 3859815.26	0.06103	0.52015	0.01628	0.0688	2.47E-04	1.55E-02	1.04E-04	2.17E-04	1.61E-02	2.24E-04	0.00E+00	1.38E-06	5.92E-06	2.32E-04
1054	490329.25, 3859815.26	0.0605	0.50938	0.01635	0.0668	2.45E-04	1.52E-02	1.04E-04	2.11E-04	1.58E-02	2.22E-04	0.00E+00	1.39E-06	5.75E-06	2.30E-04
1055	490379.25, 3859815.26	0.06009	0.49864	0.01646	0.06482	2.43E-04	1.49E-02	1.05E-04	2.05E-04	1.54E-02	2.21E-04	0.00E+00	1.40E-06	5.58E-06	2.28E-04
1056	490429.25, 3859815.26	0.05979	0.48798	0.01659	0.06289	2.42E-04	1.46E-02	1.06E-04	1.99E-04	1.51E-02	2.20E-04	0.00E+00	1.41E-06	5.42E-06	2.27E-04
1057	490229.25, 3859865.26	0.06069	0.53037	0.01566	0.06884	2.45E-04	1.58E-02	9.99E-05	2.17E-04	1.64E-02	2.23E-04	0.00E+00	1.33E-06	5.93E-06	2.30E-04
1058	490279.25, 3859865.26	0.06016	0.51921	0.01576	0.06675	2.43E-04	1.55E-02	1.01E-04	2.11E-04	1.60E-02	2.21E-04	0.00E+00	1.34E-06	5.75E-06	2.28E-04
1059	490329.25, 3859865.26	0.05963	0.50831	0.01584	0.06481	2.41E-04	1.52E-02	1.01E-04	2.05E-04	1.57E-02	2.19E-04	0.00E+00	1.35E-06	5.58E-06	2.26E-04
1060	490379.25, 3859865.26	0.05916	0.49756	0.01592	0.06294	2.39E-04	1.48E-02	1.02E-04	1.99E-04	1.54E-02	2.18E-04	0.00E+00	1.35E-06	5.42E-06	2.24E-04
1061	490429.25, 3859865.26	0.05874	0.48703	0.01599	0.06116	2.37E-04	1.45E-02	1.02E-04	1.93E-04	1.51E-02	2.16E-04	0.00E+00	1.36E-06	5.27E-06	2.23E-04
1062	490229.25, 3859915.26	0.05977	0.52975	0.01512	0.06667	2.42E-04	1.58E-02	9.64E-05	2.11E-04	1.64E-02	2.20E-04	0.00E+00	1.29E-06	5.74E-06	2.27E-04
1063	490279.25, 3859915.26	0.05926	0.51839	0.01523	0.06468	2.40E-04	1.55E-02	9.71E-05	2.04E-04	1.60E-02	2.18E-04	0.00E+00	1.30E-06	5.57E-06	2.25E-04
1064	490329.25, 3859915.26	0.05876	0.50721	0.01533	0.06279	2.38E-04	1.51E-02	9.78E-05	1.98E-04	1.57E-02	2.16E-04	0.00E+00	1.30E-06	5.41E-06	2.23E-04
1065	490379.25, 3859915.26	0.05829	0.49628	0.01542	0.061	2.36E-04	1.48E-02	9.84E-05	1.93E-04	1.53E-02	2.14E-04	0.00E+00	1.31E-06	5.25E-06	2.21E-04
1066	490429.25, 3859915.26	0.05781	0.48567	0.01547	0.05933	2.34E-04	1.45E-02	9.87E-05	1.87E-04	1.50E-02	2.13E-04	0.00E+00	1.32E-06	5.11E-06	2.19E-04
1067	490451.43, 3859872.59	0.05841	0.48231	0.01594	0.06015	2.36E-04	1.44E-02	1.02E-04	1.90E-04	1.49E-02	2.15E-04	0.00E+00	1.36E-06	5.18E-06	2.21E-04
1068	490501.43, 3859872.59	0.0581	0.47201	0.01605	0.05845	2.35E-04	1.41E-02	1.02E-04	1.85E-04	1.46E-02	2.14E-04	0.00E+00	1.37E-06	5.03E-06	2.20E-04
1069	490551.43, 3859872.59	0.05793	0.46169	0.01621	0.05675	2.34E-04	1.38E-02	1.03E-04	1.79E-04	1.43E-02	2.13E-04	0.00E+00	1.38E-06	4.89E-06	2.19E-04
1070	490601.43, 3859872.59	0.05778	0.45078	0.01638	0.05517	2.34E-04	1.34E-02	1.04E-04	1.74E-04	1.40E-02	2.12E-04	0.00E+00	1.39E-06	4.75E-06	2.19E-04
1071	490451.43, 3859922.59	0.05749	0.48079	0.01543	0.05833	2.32E-04	1.43E-02	9.84E-05	1.84E-04	1.49E-02	2.11E-04	0.00E+00	1.31E-06	5.02E-06	2.18E-04
1072	490501.43, 3859922.59	0.0571	0.47047	0.0155	0.05674	2.31E-04	1.40E-02	9.89E-05	1.79E-04	1.45E-02	2.10E-04	0.00E+00	1.32E-06	4.89E-06	2.16E-04
1073	490551.43, 3859922.59	0.05685	0.46022	0.01561	0.05513	2.30E-04	1.37E-02	9.96E-05	1.74E-04	1.42E-02	2.09E-04	0.00E+00	1.33E-06	4.75E-06	2.15E-04
1074	490601.43, 3859922.59	0.05667	0.45009	0.01576	0.05358	2.29E-04	1.34E-02	1.01E-04	1.69E-04	1.39E-02	2.08E-04	0.00E+00	1.34E-06	4.61E-06	2.14E-04
1075	482129.67, 3852241.07	0.03657	0.01451	0.00279	0.00491	1.48E-04	4.33E-04	1.78E-05	1.55E-05	6.14E-04	1.34E-04	0.00E+00	2.37E-07	4.23E-07	1.35E-04
1076	482029.67, 3852291.07	0.03666	0.01519	0.00281	0.00486	1.48E-04	4.53E-04	1.79E-05	1.53E-05	6.35E-04	1.35E-04	0.00E+00	2.39E-07	4.18E-07	1.35E-04
1077	482079.67, 3852291.07	0.03704	0.01508	0.00281	0.0049	1.50E-04	4.50E-04	1.79E-05	1.55E-05	6.33E-04	1.36E-04	0.00E+00	2.39E-07	4.22E-07	1.37E-04
1078	482129.67, 3852291.07	0.03727	0.01492	0.00281	0.00495	1.51E-04	4.45E-04	1.79E-05	1.56E-05	6.29E-04	1.37E-04	0.00E+00	2.39E-07	4.26E-07	1.38E-04
1079	482179.67, 3852291.07	0.03737	0.01468	0.00281	0.005	1.51E-04	4.38E-04	1.79E-05	1.58E-05	6.23E-04	1.37E-04	0.00E+00	2.39E-07	4.31E-07	1.38E-04
1080	482229.67, 3852291.07	0.03732	0.01433	0.00282	0.00506	1.51E-04	4.28E-04	1.80E-05	1.60E-05	6.12E-04	1.37E-04	0.00E+00	2.40E-07	4.36E-07	1.38E-04
1081	482029.67, 3852341.07	0.03684	0.01565	0.00283	0.0049	1.49E-04	4.67E-04	1.81E-05	1.55E-05	6.49E-04	1.35E-04	0.00E+00	2.41E-07	4.22E-07	1.36E-04
1082	482079.67, 3852341.07	0.03742	0.01551	0.00283	0.00495	1.51E-04	4.63E-04	1.81E-05	1.56E-05	6.48E-04	1.38E-04	0.00E+00	2.41E-07	4.26E-07	1.38E-04
1083	482129.67, 3852341.07	0.03782	0.01538	0.00283	0.00499	1.53E-04	4.59E-04	1.81E-05	1.58E-05	6.46E-04	1.39E-04	0.00E+00	2.41E-07	4.30E-07	1.40E-04
1084	482179.67, 3852341.07	0.03808	0.01518	0.00283	0.00505	1.54E-04	4.53E-04	1.81E-05	1.59E-05	6.41E-04	1.40E-04	0.00E+00	2.41E-07	4.35E-07	1.41E-04

1085	482259.06, 3852400.14	0.03889	0.01581	0.00287	0.00518	1.57E-04	4.72E-04	1.83E-05	1.64E-05	6.64E-04	1.43E-04	0.00E+00	2.44E-07	4.46E-07	1.44E-04
1086	482309.06, 3852400.14	0.03907	0.01533	0.00287	0.00524	1.58E-04	4.57E-04	1.83E-05	1.65E-05	6.50E-04	1.44E-04	0.00E+00	2.44E-07	4.51E-07	1.44E-04
1087	482209.06, 3852450.14	0.03921	0.01639	0.00289	0.00518	1.58E-04	4.89E-04	1.84E-05	1.64E-05	6.82E-04	1.44E-04	0.00E+00	2.46E-07	4.46E-07	1.45E-04
1088	482259.06, 3852450.14	0.03958	0.01625	0.00289	0.00524	1.60E-04	4.85E-04	1.84E-05	1.65E-05	6.80E-04	1.46E-04	0.00E+00	2.46E-07	4.51E-07	1.46E-04
1089	482309.06, 3852450.14	0.0399	0.01589	0.00289	0.00529	1.61E-04	4.74E-04	1.84E-05	1.67E-05	6.70E-04	1.47E-04	0.00E+00	2.46E-07	4.56E-07	1.47E-04
1090	482209.06, 3852500.14	0.03955	0.01681	0.00292	0.00524	1.60E-04	5.01E-04	1.86E-05	1.65E-05	6.97E-04	1.45E-04	0.00E+00	2.48E-07	4.51E-07	1.46E-04
1091	482259.06, 3852500.14	0.04014	0.01666	0.00291	0.00529	1.62E-04	4.97E-04	1.86E-05	1.67E-05	6.95E-04	1.48E-04	0.00E+00	2.47E-07	4.56E-07	1.48E-04
1092	482309.06, 3852500.14	0.04058	0.01644	0.00291	0.00535	1.64E-04	4.90E-04	1.86E-05	1.69E-05	6.90E-04	1.49E-04	0.00E+00	2.47E-07	4.61E-07	1.50E-04
1093	482283.91, 3852513.62	0.0405	0.01671	0.00292	0.00534	1.64E-04	4.99E-04	1.86E-05	1.69E-05	6.98E-04	1.49E-04	0.00E+00	2.48E-07	4.60E-07	1.50E-04
1094	482333.91, 3852513.62	0.04087	0.01651	0.00292	0.00539	1.65E-04	4.93E-04	1.86E-05	1.70E-05	6.93E-04	1.50E-04	0.00E+00	2.48E-07	4.64E-07	1.51E-04
1095	482283.91, 3852563.62	0.04083	0.01723	0.00295	0.00539	1.65E-04	5.14E-04	1.88E-05	1.70E-05	7.15E-04	1.50E-04	0.00E+00	2.51E-07	4.64E-07	1.51E-04
1096	482333.91, 3852563.62	0.04137	0.01713	0.00295	0.00545	1.67E-04	5.11E-04	1.88E-05	1.72E-05	7.14E-04	1.52E-04	0.00E+00	2.51E-07	4.69E-07	1.53E-04
1097	482383.91, 3852563.62	0.04169	0.01701	0.00295	0.0055	1.69E-04	5.07E-04	1.88E-05	1.74E-05	7.12E-04	1.53E-04	0.00E+00	2.51E-07	4.74E-07	1.54E-04
1098	482283.91, 3852613.62	0.04114	0.0176	0.00297	0.00546	1.66E-04	5.25E-04	1.89E-05	1.72E-05	7.28E-04	1.51E-04	0.00E+00	2.53E-07	4.70E-07	1.52E-04
1099	482333.91, 3852613.62	0.0418	0.01759	0.00297	0.00552	1.69E-04	5.25E-04	1.89E-05	1.74E-05	7.30E-04	1.54E-04	0.00E+00	2.53E-07	4.75E-07	1.54E-04
1100	482383.91, 3852613.62	0.04226	0.01757	0.00297	0.00557	1.71E-04	5.24E-04	1.89E-05	1.76E-05	7.32E-04	1.55E-04	0.00E+00	2.53E-07	4.80E-07	1.56E-04
1101	482602.38, 3852600.87	0.04221	0.01609	0.00298	0.00571	1.71E-04	4.80E-04	1.90E-05	1.80E-05	6.88E-04	1.55E-04	0.00E+00	2.53E-07	4.92E-07	1.56E-04
1102	482652.38, 3852600.87	0.04174	0.01589	0.00299	0.00574	1.69E-04	4.74E-04	1.91E-05	1.81E-05	6.80E-04	1.53E-04	0.00E+00	2.54E-07	4.94E-07	1.54E-04
1103	482702.38, 3852600.87	0.04124	0.0152	0.00301	0.00577	1.67E-04	4.53E-04	1.92E-05	1.82E-05	6.58E-04	1.52E-04	0.00E+00	2.56E-07	4.97E-07	1.52E-04
1104	482552.38, 3852650.87	0.04366	0.01708	0.00299	0.00575	1.76E-04	5.10E-04	1.91E-05	1.82E-05	7.23E-04	1.61E-04	0.00E+00	2.54E-07	4.95E-07	1.61E-04
1105	482602.38, 3852650.87	0.04349	0.01681	0.003	0.00578	1.76E-04	5.01E-04	1.91E-05	1.82E-05	7.15E-04	1.60E-04	0.00E+00	2.55E-07	4.98E-07	1.61E-04
1106	482652.38, 3852650.87	0.04311	0.01662	0.00301	0.00581	1.74E-04	4.96E-04	1.92E-05	1.83E-05	7.08E-04	1.58E-04	0.00E+00	2.56E-07	5.00E-07	1.59E-04
1107	482702.38, 3852650.87	0.04262	0.01639	0.00302	0.00583	1.72E-04	4.89E-04	1.93E-05	1.84E-05	6.99E-04	1.57E-04	0.00E+00	2.57E-07	5.02E-07	1.57E-04
1108	482552.38, 3852700.87	0.0447	0.01768	0.00301	0.00583	1.81E-04	5.27E-04	1.92E-05	1.84E-05	7.46E-04	1.64E-04	0.00E+00	2.56E-07	5.02E-07	1.65E-04
1109	482602.38, 3852700.87	0.04463	0.01754	0.00302	0.00586	1.80E-04	5.23E-04	1.93E-05	1.85E-05	7.41E-04	1.64E-04	0.00E+00	2.57E-07	5.05E-07	1.65E-04
1110	482652.38, 3852700.87	0.04423	0.01763	0.00303	0.00588	1.79E-04	5.26E-04	1.93E-05	1.86E-05	7.43E-04	1.63E-04	0.00E+00	2.58E-07	5.06E-07	1.63E-04
1111	482702.38, 3852700.87	0.04393	0.01734	0.00304	0.0059	1.78E-04	5.17E-04	1.94E-05	1.86E-05	7.33E-04	1.62E-04	0.00E+00	2.59E-07	5.08E-07	1.62E-04
1112	482452.38, 3852750.87	0.04445	0.01863	0.00304	0.00584	1.80E-04	5.56E-04	1.94E-05	1.84E-05	7.73E-04	1.63E-04	0.00E+00	2.59E-07	5.03E-07	1.64E-04
1113	482521.29, 3852749.74	0.04528	0.01842	0.00304	0.00589	1.83E-04	5.50E-04	1.94E-05	1.86E-05	7.71E-04	1.66E-04	0.00E+00	2.59E-07	5.07E-07	1.67E-04
1114	482571.29, 3852749.74	0.04558	0.01826	0.00304	0.00593	1.84E-04	5.45E-04	1.94E-05	1.87E-05	7.67E-04	1.68E-04	0.00E+00	2.59E-07	5.11E-07	1.68E-04
1115	482521.29, 3852799.74	0.04577	0.01902	0.00307	0.00598	1.85E-04	5.67E-04	1.96E-05	1.89E-05	7.91E-04	1.68E-04	0.00E+00	2.61E-07	5.15E-07	1.69E-04
1116	482571.29, 3852799.74	0.04631	0.01889	0.00307	0.00602	1.87E-04	5.64E-04	1.96E-05	1.90E-05	7.89E-04	1.70E-04	0.00E+00	2.61E-07	5.18E-07	1.71E-04
1117	482621.29, 3852799.74	0.04662	0.01872	0.00307	0.00605	1.88E-04	5.58E-04	1.96E-05	1.91E-05	7.86E-04	1.71E-04	0.00E+00	2.61E-07	5.21E-07	1.72E-04
1118	482571.29, 3852849.74	0.04696	0.01939	0.00309	0.00611	1.90E-04	5.78E-04	1.97E-05	1.93E-05	8.07E-04	1.73E-04	0.00E+00	2.63E-07	5.26E-07	1.73E-04
1119	482621.29, 3852849.74	0.04757	0.01917	0.00309	0.00614	1.92E-04	5.72E-04	1.97E-05	1.94E-05	8.03E-04	1.75E-04	0.00E+00	2.63E-07	5.29E-07	1.76E-04
1120	482577.42, 3852901.55	0.04757	0.01983	0.00312	0.00622	1.92E-04	5.92E-04	1.99E-05	1.96E-05	8.23E-04	1.75E-04	0.00E+00	2.65E-07	5.36E-07	1.76E-04
1121	482627.42, 3852901.55	0.04845	0.0196	0.00312	0.00625	1.96E-04	5.85E-04	1.99E-05	1.97E-05	8.20E-04	1.78E-04	0.00E+00	2.65E-07	5.38E-07	1.79E-04
1122	482629.96, 3852955.85	0.049	0.02017	0.00315	0.00637	1.98E-04	6.02E-04	2.01E-05	2.01E-05	8.40E-04	1.80E-04	0.00E+00	2.68E-07	5.49E-07	1.81E-04
1123	482679.96, 3852955.85	0.0499	0.01995	0.00315	0.00639	2.02E-04	5.95E-04	2.01E-05	2.02E-05	8.37E-04	1.83E-04	0.00E+00	2.68E-07	5.50E-07	1.84E-04
1124	482781.63, 3853034.48	0.05258	0.02025	0.00319	0.0066	2.13E-04	6.04E-04	2.03E-05	2.08E-05	8.58E-04	1.93E-04	0.00E+00	2.71E-07	5.68E-07	1.94E-04
1125	482831.63, 3853034.48	0.05309	0.01994	0.00318	0.0066	2.15E-04	5.95E-04	2.03E-05	2.08E-05	8.51E-04	1.95E-04	0.00E+00	2.70E-07	5.68E-07	1.96E-04
1126	482881.63, 3853034.48	0.05325	0.01964	0.00319	0.00659	2.15E-04	5.86E-04	2.03E-05	2.08E-05	8.42E-04	1.96E-04	0.00E+00	2.71E-07	5.67E-07	1.97E-04
1127	482781.63, 3853084.48	0.0533	0.02087	0.00321	0.00673	2.15E-04	6.23E-04	2.05E-05	2.12E-05	8.80E-04	1.96E-04	0.00E+00	2.73E-07	5.80E-07	1.97E-04
1128	482831.63, 3853084.48	0.05415	0.02055	0.00321	0.00673	2.19E-04	6.13E-04	2.05E-05	2.12E-05	8.74E-04	1.99E-04	0.00E+00	2.73E-07	5.80E-07	2.00E-04
1129	482881.63, 3853084.48	0.05462	0.02026	0.00321	0.00671	2.21E-04	6.04E-04	2.05E-05	2.12E-05	8.67E-04	2.01E-04	0.00E+00	2.73E-07	5.78E-07	2.02E-04
1130	482781.63, 3853134.48	0.05366	0.02157	0.00325	0.00686	2.17E-04	6.44E-04	2.07E-05	2.17E-05	9.03E-04	1.97E-04	0.00E+00	2.76E-07	5.91E-07	1.98E-04
1131	482831.63, 3853134.48	0.05486	0.02126	0.00324	0.00686	2.22E-04	6.34E-04	2.07E-05	2.17E-05	8.98E-04	2.02E-04	0.00E+00	2.76E-07	5.91E-07	2.03E-04
1132	482881.63, 3853134.48	0.05564	0.02104	0.00324	0.00685	2.25E-04	6.28E-04	2.07E-05	2.16E-05	8.95E-04	2.05E-04	0.00E+00	2.76E-07	5.90E-07	2.05E-04
1133	482831.63, 3853184.48	0.05526	0.02199	0.00328	0.007	2.23E-04	6.56E-04	2.09E-05	2.21E-05	9.22E-04	2.03E-04	0.00E+00	2.79E-07	6.03E-07	2.04E-04
1134	482881.63, 3853184.48	0.05639	0.02178	0.00328	0.00699	2.28E-04	6.50E-04	2.09E-05	2.21E-05	9.21E-04	2.07E-04	0.00E+00	2.79E-07	6.02E-07	2.08E-04
1135	484154.84, 3854250.98	0.1117	0.02081	0.00412	0.02044	4.52E-04	6.21E-04	2.63E-05	6.45E-05	1.16E-03	4.11E-04	0.00E+00	3.50E-07	1.76E-06	4.13E-04
1136	484204.84, 3854250.98	0.10752	0.02077	0.00416	0.02063	4.35E-04	6.20E-04	2.65E-05	6.51E-05	1.15E-03	3.95E-04	0.00E+00	3.54E-07	1.78E-06	3.97E-04
1137	484154.84, 3854300.98	0.11399	0.02127	0.00414	0.0227	4.61E-04	6.35E-04	2.64E-05	7.17E-05	1.19E-03	4.19E-04	0.00E+00	3.52E-07	1.95E-06	4.21E-04
1138	484204.84, 3854300.98	0.11113	0.0215	0.00417	0.02287	4.49E-04	6.41E-04	2.66E-05	7.22E-05	1.19E-03	4.09E-04	0.00E+00	3.55E-07	1.97E-06	4.11E-04
1139	484074.19, 3854519.8	0.13163	0.0288	0.0043	0.03753	5.32E-04	8.59E-04	2.74E-05	1.18E-04	1.54E-03	4.84E-04	0.00E+00	3.66E-07	3.23E-06	4.88E-04
1140	484124.19, 3854519.8	0.1303	0.02854	0.00431	0.03686	5.27E-04	8.51E-04	2.75E-05	1.16E-04	1.52E-03	4.79E-04	0.00E+00	3.67E-07	3.17E-06	4.83E-04
1141	484074.19, 3854569.8	0.13454	0.0318	0.00434	0.04192	5.44E-04	9.49E-04	2.77E-05	1.32E-04	1.65E-03	4.95E-04	0.00E+00	3.69E-07	3.61E-06	4.99E-04
1142	484124.19, 3854569.8	0.13139	0.03126	0.00435	0.04078	5.31E-04	9.33E-04	2.77E-05	1.29E-04	1.62E-03	4.83E-04	0.00E+00	3.70E-07	3.51E-06	4.87E-04
1143	485205.11, 3855188.89	1.97715	0.09516	0.00549	0.03793	7.99E-03	2.84E-03	3.50E-05	1.20E-04	1.10E-02	7.27E-03	0.00E+00	4.67E-07	3.27E-06	7.27E-03
1144	485255.11, 3855188.89	1.75153	0.09212	0.00561	0.03825	7.08E-03	2.75E-03	3.58E-05	1.21E-04	9.98E-03	6.44E-03	0.00E+00	4.77E-07	3.29E-06	6.44E-03
1145	485205.11, 3855238.89	2.37519	0.09965	0.00551	0.04014	9.60E-03	2.97E-03	3.51E-05	1.27E-04	1.27E-02	8.73E-03	0.00E+00	4.69E-07	3.46E-06	8.74E-03
1146	485255.11, 3855238.89	2.16161	0.09819	0.00559	0.04059	8.74E-03	2.93E-03	3.57E-05	1.28E-04	1.18E-02	7.95E-03	0.00E+00	4.75E-07	3.50E-06	7.95E-03
1147	485205.11, 3855288.89	3.19091	0.10936	0.00553	0.04273	1.29E-02	3.26E-03	3.53E-05	1.35E-04	1.63E-02	1.17E-02	0.00E+00	4.70E-07	3.68E-06	1.17E-02
1148	485255.11, 3855288.89	2.78051	0.10735	0.00559	0.04332	1.12E-02	3.20E-03	3.57E-05	1.37E-04	1.46E-02	1.02E-02	0.00E+00	4.75E-07	3.73E-06	1.02E-02

1149	485255.11, 3855338.89	3.57905	0.11752	0.00562	0.04653	1.45E-02	3.51E-03	3.58E-05	1.47E-04	1.82E-02	1.32E-02	0.00E+00	4.78E-07	4.01E-06	1.32E-02
1150	485305.11, 3855338.89	3.09681	0.11398	0.00568	0.04705	1.25E-02	3.40E-03	3.62E-05	1.49E-04	1.61E-02	1.14E-02	0.00E+00	4.83E-07	4.05E-06	1.14E-02
1151	485852.5, 3855635.28	2.72636	0.1403	0.00702	0.0673	1.10E-02	4.19E-03	4.48E-05	2.12E-04	1.55E-02	1.00E-02	0.00E+00	5.97E-07	5.80E-06	1.00E-02
1152	485902.5, 3855635.28	2.49121	0.13638	0.00728	0.06661	1.01E-02	4.07E-03	4.64E-05	2.10E-04	1.44E-02	9.16E-03	0.00E+00	6.19E-07	5.74E-06	9.17E-03
1153	485852.5, 3855685.28	3.04006	0.14852	0.00697	0.07165	1.23E-02	4.43E-03	4.45E-05	2.26E-04	1.70E-02	1.12E-02	0.00E+00	5.93E-07	6.17E-06	1.12E-02
1154	485902.5, 3855685.28	2.75907	0.14424	0.0072	0.07083	1.12E-02	4.30E-03	4.59E-05	2.24E-04	1.57E-02	1.01E-02	0.00E+00	6.12E-07	6.10E-06	1.02E-02
1155	485852.5, 3855735.28	3.41337	0.15732	0.00694	0.07633	1.38E-02	4.69E-03	4.43E-05	2.41E-04	1.88E-02	1.25E-02	0.00E+00	5.90E-07	6.57E-06	1.26E-02
1156	485902.5, 3855735.28	3.10426	0.15385	0.00712	0.07525	1.25E-02	4.59E-03	4.54E-05	2.38E-04	1.74E-02	1.14E-02	0.00E+00	6.06E-07	6.48E-06	1.14E-02
1157	485852.5, 3855785.28	3.91844	0.16826	0.00694	0.08112	1.58E-02	5.02E-03	4.43E-05	2.56E-04	2.12E-02	1.44E-02	0.00E+00	5.90E-07	6.99E-06	1.44E-02
1158	485902.5, 3855785.28	3.4655	0.16232	0.0071	0.07982	1.40E-02	4.84E-03	4.53E-05	2.52E-04	1.91E-02	1.27E-02	0.00E+00	6.04E-07	6.87E-06	1.27E-02
1159	486809.46, 3856465.28	3.07921	0.22399	0.01179	0.05663	1.24E-02	6.68E-03	7.52E-05	1.79E-04	1.94E-02	1.13E-02	0.00E+00	1.00E-06	4.88E-06	1.13E-02
1160	486859.46, 3856465.28	2.90223	0.22198	0.01198	0.05509	1.17E-02	6.62E-03	7.64E-05	1.74E-04	1.86E-02	1.07E-02	0.00E+00	1.02E-06	4.74E-06	1.07E-02
1161	486909.46, 3856465.28	2.7379	0.21933	0.01217	0.05366	1.11E-02	6.54E-03	7.76E-05	1.69E-04	1.79E-02	1.01E-02	0.00E+00	1.04E-06	4.62E-06	1.01E-02
1162	486809.46, 3856515.28	3.36633	0.23278	0.01193	0.0549	1.36E-02	6.94E-03	7.61E-05	1.73E-04	2.08E-02	1.24E-02	0.00E+00	1.01E-06	4.73E-06	1.24E-02
1163	486859.46, 3856515.28	3.1594	0.23125	0.01216	0.05339	1.28E-02	6.90E-03	7.76E-05	1.69E-04	1.99E-02	1.16E-02	0.00E+00	1.03E-06	4.60E-06	1.16E-02
1164	486909.46, 3856515.28	2.96809	0.2289	0.01237	0.052	1.20E-02	6.83E-03	7.89E-05	1.64E-04	1.91E-02	1.09E-02	0.00E+00	1.05E-06	4.48E-06	1.09E-02
1165	486980.94, 3856357.95	2.20907	0.19907	0.01231	0.05441	8.93E-03	5.94E-03	7.85E-05	1.72E-04	1.51E-02	8.12E-03	0.00E+00	1.05E-06	4.69E-06	8.13E-03
1166	487030.94, 3856357.95	2.11731	0.19727	0.01279	0.05313	8.56E-03	5.89E-03	8.16E-05	1.68E-04	1.47E-02	7.78E-03	0.00E+00	1.09E-06	4.58E-06	7.79E-03
1167	486980.94, 3856407.95	2.35739	0.20749	0.01236	0.05327	9.53E-03	6.19E-03	7.88E-05	1.68E-04	1.60E-02	8.67E-03	0.00E+00	1.05E-06	4.59E-06	8.67E-03
1168	487030.94, 3856407.95	2.25109	0.20533	0.01281	0.05201	9.10E-03	6.13E-03	8.17E-05	1.64E-04	1.55E-02	8.28E-03	0.00E+00	1.09E-06	4.48E-06	8.28E-03
1169	487447.18, 3856437.45	1.6837	0.19505	0.01731	0.04316	6.81E-03	5.82E-03	1.10E-04	1.36E-04	1.29E-02	6.19E-03	0.00E+00	1.47E-06	3.72E-06	6.20E-03
1170	487497.18, 3856437.45	1.6277	0.19352	0.01833	0.04236	6.58E-03	5.77E-03	1.17E-04	1.34E-04	1.26E-02	5.98E-03	0.00E+00	1.56E-06	3.65E-06	5.99E-03
1171	487547.18, 3856437.45	1.5751	0.19222	0.01943	0.04158	6.37E-03	5.73E-03	1.24E-04	1.31E-04	1.24E-02	5.79E-03	0.00E+00	1.65E-06	3.58E-06	5.80E-03
1172	487447.18, 3856487.45	1.75893	0.202	0.01751	0.04205	7.11E-03	6.03E-03	1.12E-04	1.33E-04	1.34E-02	6.47E-03	0.00E+00	1.49E-06	3.62E-06	6.47E-03
1173	487497.18, 3856487.45	1.69673	0.20019	0.01849	0.04129	6.86E-03	5.97E-03	1.18E-04	1.30E-04	1.31E-02	6.24E-03	0.00E+00	1.57E-06	3.56E-06	6.24E-03
1174	487547.18, 3856487.45	1.64406	0.19882	0.01959	0.04055	6.65E-03	5.93E-03	1.25E-04	1.28E-04	1.28E-02	6.04E-03	0.00E+00	1.67E-06	3.49E-06	6.05E-03
1175	487447.18, 3856537.45	1.84308	0.20894	0.01776	0.04088	7.45E-03	6.23E-03	1.13E-04	1.29E-04	1.39E-02	6.78E-03	0.00E+00	1.51E-06	3.52E-06	6.78E-03
1176	487497.18, 3856537.45	1.77337	0.20683	0.01869	0.04017	7.17E-03	6.17E-03	1.19E-04	1.27E-04	1.36E-02	6.52E-03	0.00E+00	1.59E-06	3.46E-06	6.52E-03
1177	487547.18, 3856537.45	1.70921	0.20557	0.01978	0.03947	6.91E-03	6.13E-03	1.26E-04	1.25E-04	1.33E-02	6.28E-03	0.00E+00	1.68E-06	3.40E-06	6.29E-03
1178	489285.89, 3858826.54	0.10588	0.69722	0.04699	0.07792	4.28E-04	2.08E-02	3.00E-04	2.46E-04	2.18E-02	3.89E-04	0.00E+00	4.00E-06	6.71E-06	4.00E-04
1179	489335.89, 3858826.54	0.10543	0.67801	0.04845	0.077	4.26E-04	2.02E-02	3.09E-04	2.43E-04	2.12E-02	3.88E-04	0.00E+00	4.12E-06	6.63E-06	3.98E-04
1180	489385.89, 3858826.54	0.10516	0.65837	0.04984	0.07602	4.25E-04	1.96E-02	3.18E-04	2.40E-04	2.06E-02	3.87E-04	0.00E+00	4.24E-06	6.55E-06	3.97E-04
1181	489435.89, 3858826.54	0.10498	0.64059	0.05106	0.07505	4.24E-04	1.91E-02	3.26E-04	2.37E-04	2.01E-02	3.86E-04	0.00E+00	4.34E-06	6.46E-06	3.97E-04
1182	489485.89, 3858826.54	0.10489	0.62398	0.05213	0.07407	4.24E-04	1.86E-02	3.33E-04	2.34E-04	1.96E-02	3.86E-04	0.00E+00	4.43E-06	6.38E-06	3.96E-04
1183	489535.89, 3858826.54	0.10494	0.60796	0.05307	0.0731	4.24E-04	1.81E-02	3.39E-04	2.31E-04	1.91E-02	3.86E-04	0.00E+00	4.51E-06	6.29E-06	3.97E-04
1184	489585.89, 3858826.54	0.10507	0.59287	0.05389	0.07214	4.25E-04	1.77E-02	3.44E-04	2.28E-04	1.87E-02	3.86E-04	0.00E+00	4.58E-06	6.21E-06	3.97E-04
1185	489635.89, 3858826.54	0.10533	0.57793	0.05461	0.07118	4.26E-04	1.72E-02	3.48E-04	2.25E-04	1.82E-02	3.87E-04	0.00E+00	4.64E-06	6.13E-06	3.98E-04
1186	489685.89, 3858826.54	0.1057	0.56346	0.05523	0.07024	4.27E-04	1.68E-02	3.52E-04	2.22E-04	1.78E-02	3.89E-04	0.00E+00	4.70E-06	6.05E-06	3.99E-04
1187	489735.89, 3858826.54	0.10614	0.54957	0.05576	0.06931	4.29E-04	1.64E-02	3.56E-04	2.19E-04	1.74E-02	3.90E-04	0.00E+00	4.74E-06	5.97E-06	4.01E-04
1188	489785.89, 3858826.54	0.10661	0.53707	0.05627	0.0684	4.31E-04	1.60E-02	3.59E-04	2.16E-04	1.70E-02	3.92E-04	0.00E+00	4.79E-06	5.89E-06	4.03E-04
1189	489835.89, 3858826.54	0.1072	0.52406	0.0567	0.06748	4.33E-04	1.56E-02	3.62E-04	2.13E-04	1.66E-02	3.94E-04	0.00E+00	4.82E-06	5.81E-06	4.05E-04
1190	489885.89, 3858826.54	0.10775	0.51275	0.05714	0.06658	4.36E-04	1.53E-02	3.64E-04	2.10E-04	1.63E-02	3.96E-04	0.00E+00	4.86E-06	5.73E-06	4.07E-04
1191	489935.89, 3858826.54	0.10836	0.5016	0.05753	0.06568	4.38E-04	1.50E-02	3.67E-04	2.07E-04	1.60E-02	3.98E-04	0.00E+00	4.89E-06	5.66E-06	4.09E-04
1192	489985.89, 3858826.54	0.10902	0.49057	0.05787	0.06479	4.41E-04	1.46E-02	3.69E-04	2.05E-04	1.56E-02	4.01E-04	0.00E+00	4.92E-06	5.58E-06	4.11E-04
1193	490035.89, 3858826.54	0.10976	0.47879	0.05812	0.0639	4.44E-04	1.43E-02	3.71E-04	2.02E-04	1.53E-02	4.04E-04	0.00E+00	4.94E-06	5.50E-06	4.14E-04
1194	489285.89, 3858876.54	0.10302	0.74909	0.04126	0.08254	4.16E-04	2.23E-02	2.63E-04	2.61E-04	2.33E-02	3.79E-04	0.00E+00	3.51E-06	7.11E-06	3.89E-04
1195	489335.89, 3858876.54	0.10246	0.72481	0.04262	0.08138	4.14E-04	2.16E-02	2.72E-04	2.57E-04	2.26E-02	3.77E-04	0.00E+00	3.62E-06	7.01E-06	3.87E-04
1196	489385.89, 3858876.54	0.10199	0.70248	0.04391	0.0802	4.12E-04	2.10E-02	2.80E-04	2.53E-04	2.19E-02	3.75E-04	0.00E+00	3.73E-06	6.91E-06	3.86E-04
1197	489435.89, 3858876.54	0.10164	0.68132	0.04512	0.07902	4.11E-04	2.03E-02	2.88E-04	2.49E-04	2.13E-02	3.74E-04	0.00E+00	3.84E-06	6.80E-06	3.84E-04
1198	489485.89, 3858876.54	0.1014	0.66133	0.04623	0.07785	4.10E-04	1.97E-02	2.95E-04	2.46E-04	2.07E-02	3.73E-04	0.00E+00	3.93E-06	6.70E-06	3.83E-04
1199	489535.89, 3858876.54	0.10129	0.64227	0.04724	0.07669	4.09E-04	1.92E-02	3.01E-04	2.42E-04	2.01E-02	3.72E-04	0.00E+00	4.02E-06	6.60E-06	3.83E-04
1200	489585.89, 3858876.54	0.10133	0.62338	0.04813	0.07554	4.10E-04	1.86E-02	3.07E-04	2.39E-04	1.96E-02	3.73E-04	0.00E+00	4.09E-06	6.50E-06	3.83E-04
1201	489635.89, 3858876.54	0.1014	0.60679	0.04891	0.07444	4.10E-04	1.81E-02	3.12E-04	2.35E-04	1.91E-02	3.73E-04	0.00E+00	4.16E-06	6.41E-06	3.83E-04
1202	489685.89, 3858876.54	0.1016	0.59038	0.0496	0.07335	4.11E-04	1.76E-02	3.16E-04	2.32E-04	1.86E-02	3.74E-04	0.00E+00	4.22E-06	6.32E-06	3.84E-04
1203	489735.89, 3858876.54	0.10191	0.57429	0.05018	0.07226	4.12E-04	1.71E-02	3.20E-04	2.28E-04	1.81E-02	3.75E-04	0.00E+00	4.27E-06	6.22E-06	3.85E-04
1204	489785.89, 3858876.54	0.10224	0.56013	0.05072	0.07121	4.13E-04	1.67E-02	3.24E-04	2.25E-04	1.77E-02	3.76E-04	0.00E+00	4.31E-06	6.13E-06	3.86E-04
1205	489835.89, 3858876.54	0.10269	0.54577	0.0512	0.07016	4.15E-04	1.63E-02	3.27E-04	2.22E-04	1.72E-02	3.78E-04	0.00E+00	4.35E-06	6.04E-06	3.88E-04
1206	489885.89, 3858876.54	0.1031	0.53374	0.0517	0.06914	4.17E-04	1.59E-02	3.30E-04	2.18E-04	1.69E-02	3.79E-04	0.00E+00	4.40E-06	5.95E-06	3.89E-04
1207	489935.89, 3858876.54	0.10369	0.52034	0.05211	0.06811	4.19E-04	1.55E-02	3.32E-04	2.15E-04	1.65E-02	3.81E-04	0.00E+00	4.43E-06	5.86E-06	3.92E-04
1208	489985.89, 3858876.54	0.10433	0.50719	0.05248	0.0671	4.22E-04	1.51E-02	3.35E-04	2.12E-04	1.61E-02	3.84E-04	0.00E+00	4.46E-06	5.78E-06	3.94E-04
1209	490035.89, 3858876.54	0.10499	0.49484	0.05284	0.06611	4.24E-04	1.48E-02	3.37E-04	2.09E-04	1.57E-02	3.86E-04	0.00E+00	4.49E-06	5.69E-06	3.96E-04
1210	489285.89, 3858926.54	0.10039	0.80295	0.03655	0.08746	4.06E-04	2.40E-02	2.33E-04	2.76E-04	2.49E-02	3.69E-04	0.00E+00	3.11E-06	7.53E-06	3.80E-04
1211	489335.89, 3858926.54	0.09975	0.77336	0.03777	0.08603	4.03E-04	2.31E-02	2.41E-04	2.72E-04	2.40E-02	3.67E-04	0.00E+00	3.21E-06	7.41E-06	3.77E-04
1212	489385.89, 3858926.54	0.09921	0.74531	0.03898	0.08458	4.01E-04	2.22E-02	2.49E-04	2.67E-04	2.32E-02	3.65E-04	0.00E+00	3.32E-06	7.28E-06	3.75E-04

1213	489435.89, 3858926.54	0.09872	0.7206	0.04011	0.08318	3.99E-04	2.15E-02	2.56E-04	2.63E-04	2.24E-02	3.63E-04	0.00E+00	3.41E-06	7.16E-06	3.74E-04
1214	489485.89, 3858926.54	0.09835	0.69721	0.04119	0.08181	3.98E-04	2.08E-02	2.63E-04	2.58E-04	2.17E-02	3.62E-04	0.00E+00	3.50E-06	7.04E-06	3.72E-04
1215	489535.89, 3858926.54	0.09809	0.67524	0.0422	0.08047	3.96E-04	2.01E-02	2.69E-04	2.54E-04	2.11E-02	3.61E-04	0.00E+00	3.59E-06	6.93E-06	3.71E-04
1216	489585.89, 3858926.54	0.09794	0.65436	0.04313	0.07917	3.96E-04	1.95E-02	2.75E-04	2.50E-04	2.04E-02	3.60E-04	0.00E+00	3.67E-06	6.82E-06	3.71E-04
1217	489635.89, 3858926.54	0.09789	0.63487	0.04395	0.0779	3.96E-04	1.89E-02	2.80E-04	2.46E-04	1.99E-02	3.60E-04	0.00E+00	3.74E-06	6.71E-06	3.70E-04
1218	489685.89, 3858926.54	0.09797	0.61567	0.0447	0.07664	3.96E-04	1.84E-02	2.85E-04	2.42E-04	1.93E-02	3.60E-04	0.00E+00	3.80E-06	6.60E-06	3.71E-04
1219	489735.89, 3858926.54	0.09807	0.599	0.04534	0.07542	3.96E-04	1.79E-02	2.89E-04	2.38E-04	1.88E-02	3.61E-04	0.00E+00	3.86E-06	6.49E-06	3.71E-04
1220	489785.89, 3858926.54	0.09825	0.58339	0.04593	0.07422	3.97E-04	1.74E-02	2.93E-04	2.34E-04	1.83E-02	3.61E-04	0.00E+00	3.91E-06	6.39E-06	3.72E-04
1221	489835.89, 3858926.54	0.09858	0.56719	0.04643	0.07301	3.98E-04	1.69E-02	2.96E-04	2.31E-04	1.78E-02	3.62E-04	0.00E+00	3.95E-06	6.29E-06	3.73E-04
1222	489885.89, 3858926.54	0.09892	0.553	0.04692	0.07184	4.00E-04	1.65E-02	2.99E-04	2.27E-04	1.74E-02	3.64E-04	0.00E+00	3.99E-06	6.19E-06	3.74E-04
1223	489935.89, 3858926.54	0.09937	0.53878	0.04735	0.07069	4.02E-04	1.61E-02	3.02E-04	2.23E-04	1.70E-02	3.65E-04	0.00E+00	4.03E-06	6.09E-06	3.75E-04
1224	489985.89, 3858926.54	0.09993	0.52419	0.04774	0.06955	4.04E-04	1.56E-02	3.05E-04	2.20E-04	1.66E-02	3.67E-04	0.00E+00	4.06E-06	5.99E-06	3.77E-04
1225	490035.89, 3858926.54	0.10063	0.50874	0.04807	0.06842	4.07E-04	1.52E-02	3.07E-04	2.16E-04	1.61E-02	3.70E-04	0.00E+00	4.09E-06	5.89E-06	3.80E-04
1226	489335.89, 3858976.54	0.09732	0.81932	0.0338	0.09094	3.93E-04	2.44E-02	2.16E-04	2.87E-04	2.53E-02	3.58E-04	0.00E+00	2.87E-06	7.83E-06	3.69E-04
1227	489385.89, 3858976.54	0.09672	0.78654	0.03488	0.08923	3.91E-04	2.35E-02	2.22E-04	2.82E-04	2.44E-02	3.56E-04	0.00E+00	2.97E-06	7.68E-06	3.66E-04
1228	489435.89, 3858976.54	0.09609	0.75909	0.03587	0.08764	3.88E-04	2.26E-02	2.29E-04	2.77E-04	2.35E-02	3.53E-04	0.00E+00	3.05E-06	7.55E-06	3.64E-04
1229	489485.89, 3858976.54	0.09562	0.73171	0.03688	0.08607	3.87E-04	2.18E-02	2.35E-04	2.72E-04	2.27E-02	3.52E-04	0.00E+00	3.14E-06	7.41E-06	3.62E-04
1230	489535.89, 3858976.54	0.09527	0.70589	0.03787	0.08454	3.85E-04	2.11E-02	2.42E-04	2.67E-04	2.20E-02	3.50E-04	0.00E+00	3.22E-06	7.28E-06	3.61E-04
1231	489585.89, 3858976.54	0.09494	0.68348	0.03876	0.08309	3.84E-04	2.04E-02	2.47E-04	2.62E-04	2.13E-02	3.49E-04	0.00E+00	3.30E-06	7.15E-06	3.59E-04
1232	489635.89, 3858976.54	0.09476	0.66144	0.03962	0.08164	3.83E-04	1.97E-02	2.53E-04	2.58E-04	2.06E-02	3.48E-04	0.00E+00	3.37E-06	7.03E-06	3.59E-04
1233	489685.89, 3858976.54	0.0947	0.64031	0.0404	0.08019	3.83E-04	1.91E-02	2.58E-04	2.53E-04	2.00E-02	3.48E-04	0.00E+00	3.44E-06	6.91E-06	3.59E-04
1234	489735.89, 3858976.54	0.09468	0.62151	0.04109	0.07879	3.83E-04	1.85E-02	2.62E-04	2.49E-04	1.94E-02	3.48E-04	0.00E+00	3.49E-06	6.78E-06	3.58E-04
1235	489785.89, 3858976.54	0.0947	0.60473	0.0417	0.07742	3.83E-04	1.80E-02	2.66E-04	2.44E-04	1.89E-02	3.48E-04	0.00E+00	3.55E-06	6.67E-06	3.58E-04
1236	489835.89, 3858976.54	0.09483	0.5883	0.04226	0.07607	3.83E-04	1.76E-02	2.70E-04	2.40E-04	1.84E-02	3.49E-04	0.00E+00	3.59E-06	6.55E-06	3.59E-04
1237	489885.89, 3858976.54	0.09517	0.5705	0.04274	0.0747	3.85E-04	1.70E-02	2.73E-04	2.36E-04	1.79E-02	3.50E-04	0.00E+00	3.63E-06	6.43E-06	3.60E-04
1238	489935.89, 3858976.54	0.09552	0.5545	0.04316	0.07339	3.86E-04	1.65E-02	2.75E-04	2.32E-04	1.74E-02	3.51E-04	0.00E+00	3.67E-06	6.32E-06	3.61E-04
1239	489985.89, 3858976.54	0.09593	0.53968	0.04357	0.07211	3.88E-04	1.61E-02	2.78E-04	2.28E-04	1.70E-02	3.53E-04	0.00E+00	3.71E-06	6.21E-06	3.63E-04
1240	490035.89, 3858976.54	0.0968	0.51726	0.04377	0.07077	3.91E-04	1.54E-02	2.79E-04	2.23E-04	1.63E-02	3.56E-04	0.00E+00	3.72E-06	6.09E-06	3.66E-04
1241	489385.89, 3859026.54	0.09444	0.82433	0.03147	0.09437	3.82E-04	2.46E-02	2.01E-04	2.98E-04	2.55E-02	3.47E-04	0.00E+00	2.68E-06	8.13E-06	3.58E-04
1242	489435.89, 3859026.54	0.0938	0.79197	0.03239	0.09253	3.79E-04	2.36E-02	2.07E-04	2.92E-04	2.45E-02	3.45E-04	0.00E+00	2.75E-06	7.97E-06	3.56E-04
1243	489485.89, 3859026.54	0.09324	0.76175	0.03329	0.09076	3.77E-04	2.27E-02	2.12E-04	2.87E-04	2.36E-02	3.43E-04	0.00E+00	2.83E-06	7.82E-06	3.53E-04
1244	489535.89, 3859026.54	0.09273	0.73451	0.03416	0.08904	3.75E-04	2.19E-02	2.18E-04	2.81E-04	2.28E-02	3.41E-04	0.00E+00	2.91E-06	7.67E-06	3.51E-04
1245	489585.89, 3859026.54	0.09236	0.70808	0.03504	0.08732	3.73E-04	2.11E-02	2.24E-04	2.76E-04	2.20E-02	3.40E-04	0.00E+00	2.98E-06	7.52E-06	3.50E-04
1246	489635.89, 3859026.54	0.09202	0.68473	0.03585	0.08566	3.72E-04	2.04E-02	2.29E-04	2.70E-04	2.13E-02	3.38E-04	0.00E+00	3.05E-06	7.38E-06	3.49E-04
1247	489685.89, 3859026.54	0.09179	0.66268	0.03662	0.084	3.71E-04	1.98E-02	2.34E-04	2.65E-04	2.06E-02	3.37E-04	0.00E+00	3.11E-06	7.23E-06	3.48E-04
1248	489735.89, 3859026.54	0.09161	0.64291	0.03731	0.0824	3.70E-04	1.92E-02	2.38E-04	2.60E-04	2.00E-02	3.37E-04	0.00E+00	3.17E-06	7.10E-06	3.47E-04
1249	489785.89, 3859026.54	0.09153	0.62417	0.03796	0.08081	3.70E-04	1.86E-02	2.42E-04	2.55E-04	1.95E-02	3.37E-04	0.00E+00	3.23E-06	6.96E-06	3.47E-04
1250	489835.89, 3859026.54	0.09164	0.60436	0.03856	0.07922	3.70E-04	1.80E-02	2.46E-04	2.50E-04	1.89E-02	3.37E-04	0.00E+00	3.28E-06	6.82E-06	3.47E-04
1251	489885.89, 3859026.54	0.09178	0.58665	0.03908	0.07768	3.71E-04	1.75E-02	2.49E-04	2.45E-04	1.84E-02	3.37E-04	0.00E+00	3.32E-06	6.69E-06	3.47E-04
1252	489935.89, 3859026.54	0.09203	0.5692	0.03952	0.07617	3.72E-04	1.70E-02	2.52E-04	2.40E-04	1.78E-02	3.38E-04	0.00E+00	3.36E-06	6.56E-06	3.48E-04
1253	489985.89, 3859026.54	0.09236	0.55269	0.03991	0.07469	3.73E-04	1.65E-02	2.55E-04	2.36E-04	1.74E-02	3.40E-04	0.00E+00	3.39E-06	6.43E-06	3.49E-04
1254	490035.89, 3859026.54	0.09318	0.527	0.04008	0.07316	3.77E-04	1.57E-02	2.56E-04	2.31E-04	1.66E-02	3.43E-04	0.00E+00	3.41E-06	6.30E-06	3.52E-04
1255	489485.89, 3859076.54	0.09108	0.78803	0.03028	0.09599	3.68E-04	2.35E-02	1.93E-04	3.03E-04	2.44E-02	3.35E-04	0.00E+00	2.58E-06	8.27E-06	3.46E-04
1256	489535.89, 3859076.54	0.09052	0.75778	0.03108	0.09395	3.66E-04	2.26E-02	1.98E-04	2.97E-04	2.35E-02	3.33E-04	0.00E+00	2.64E-06	8.09E-06	3.44E-04
1257	489585.89, 3859076.54	0.09003	0.72979	0.03186	0.09193	3.64E-04	2.18E-02	2.03E-04	2.90E-04	2.26E-02	3.31E-04	0.00E+00	2.71E-06	7.92E-06	3.42E-04
1258	489635.89, 3859076.54	0.08955	0.70572	0.03258	0.08998	3.62E-04	2.11E-02	2.08E-04	2.84E-04	2.19E-02	3.29E-04	0.00E+00	2.77E-06	7.75E-06	3.40E-04
1259	489685.89, 3859076.54	0.08917	0.68287	0.03329	0.08805	3.60E-04	2.04E-02	2.12E-04	2.78E-04	2.12E-02	3.28E-04	0.00E+00	2.83E-06	7.58E-06	3.38E-04
1260	489735.89, 3859076.54	0.0889	0.6613	0.03398	0.08616	3.59E-04	1.97E-02	2.17E-04	2.72E-04	2.06E-02	3.27E-04	0.00E+00	2.89E-06	7.42E-06	3.37E-04
1261	489785.89, 3859076.54	0.08871	0.64094	0.03463	0.08431	3.59E-04	1.91E-02	2.21E-04	2.66E-04	2.00E-02	3.26E-04	0.00E+00	2.95E-06	7.26E-06	3.36E-04
1262	489835.89, 3859076.54	0.08867	0.62068	0.03526	0.08248	3.58E-04	1.85E-02	2.25E-04	2.60E-04	1.94E-02	3.26E-04	0.00E+00	3.00E-06	7.10E-06	3.36E-04
1263	489885.89, 3859076.54	0.08872	0.60134	0.03583	0.08068	3.59E-04	1.79E-02	2.29E-04	2.55E-04	1.88E-02	3.26E-04	0.00E+00	3.05E-06	6.95E-06	3.36E-04
1264	489935.89, 3859076.54	0.08882	0.58373	0.03633	0.07895	3.59E-04	1.74E-02	2.32E-04	2.49E-04	1.83E-02	3.27E-04	0.00E+00	3.09E-06	6.80E-06	3.36E-04
1265	489985.89, 3859076.54	0.08907	0.56553	0.03673	0.07723	3.60E-04	1.69E-02	2.34E-04	2.44E-04	1.77E-02	3.27E-04	0.00E+00	3.12E-06	6.65E-06	3.37E-04
1266	490035.89, 3859076.54	0.08971	0.54045	0.03693	0.07548	3.63E-04	1.61E-02	2.36E-04	2.38E-04	1.70E-02	3.30E-04	0.00E+00	3.14E-06	6.50E-06	3.39E-04
1267	489585.89, 3859126.54	0.0879	0.74884	0.02915	0.09673	3.55E-04	2.23E-02	1.86E-04	3.05E-04	2.32E-02	3.23E-04	0.00E+00	2.48E-06	8.33E-06	3.34E-04
1268	489635.89, 3859126.54	0.08733	0.72339	0.02979	0.0944	3.53E-04	2.16E-02	1.90E-04	2.98E-04	2.24E-02	3.21E-04	0.00E+00	2.53E-06	8.13E-06	3.32E-04
1269	489685.89, 3859126.54	0.08688	0.69892	0.03044	0.09211	3.51E-04	2.09E-02	1.94E-04	2.91E-04	2.17E-02	3.19E-04	0.00E+00	2.59E-06	7.93E-06	3.30E-04
1270	489735.89, 3859126.54	0.0865	0.67606	0.03108	0.08989	3.50E-04	2.02E-02	1.98E-04	2.84E-04	2.10E-02	3.18E-04	0.00E+00	2.64E-06	7.74E-06	3.28E-04
1271	489785.89, 3859126.54	0.08621	0.65475	0.0317	0.08772	3.48E-04	1.95E-02	2.02E-04	2.77E-04	2.04E-02	3.17E-04	0.00E+00	2.70E-06	7.55E-06	3.27E-04
1272	489835.89, 3859126.54	0.08605	0.63374	0.03233	0.08559	3.48E-04	1.89E-02	2.06E-04	2.70E-04	1.97E-02	3.16E-04	0.00E+00	2.75E-06	7.37E-06	3.26E-04
1273	489885.89, 3859126.54	0.08601	0.61321	0.03293	0.08351	3.48E-04	1.83E-02	2.10E-04	2.64E-04	1.91E-02	3.16E-04	0.00E+00	2.80E-06	7.19E-06	3.26E-04
1274	489935.89, 3859126.54	0.08599	0.59505	0.03345	0.08151	3.48E-04	1.78E-02	2.13E-04	2.57E-04	1.86E-02	3.16E-04	0.00E+00	2.84E-06	7.02E-06	3.26E-04
1275	489985.89, 3859126.54	0.08624	0.57364	0.03385	0.07951	3.49E-04	1.71E-02	2.16E-04	2.51E-04	1.79E-02	3.17E-04	0.00E+00	2.88E-06	6.85E-06	3.27E-04
1276	490035.89, 3859126.54	0.08655	0.55286	0.03415	0.0776	3.50E-04	1.65E-02	2.18E-04	2.45E-04	1.73E-02	3.18E-04	0.00E+00	2.90E-06	6.68E-06	3.28E-04

1277	489585.89, 3859176.54	0.08603	0.76177	0.0269	0.10134	3.48E-04	2.27E-02	1.72E-04	3.20E-04	2.36E-02	3.16E-04	0.00E+00	2.29E-06	8.73E-06	3.27E-04
1278	489635.89, 3859176.54	0.08539	0.73564	0.02746	0.0986	3.45E-04	2.19E-02	1.75E-04	3.11E-04	2.28E-02	3.14E-04	0.00E+00	2.34E-06	8.49E-06	3.25E-04
1279	489685.89, 3859176.54	0.08481	0.71157	0.028	0.09596	3.43E-04	2.12E-02	1.79E-04	3.03E-04	2.21E-02	3.12E-04	0.00E+00	2.38E-06	8.26E-06	3.22E-04
1280	489735.89, 3859176.54	0.08432	0.68869	0.02855	0.09338	3.41E-04	2.05E-02	1.82E-04	2.95E-04	2.14E-02	3.10E-04	0.00E+00	2.43E-06	8.04E-06	3.20E-04
1281	489785.89, 3859176.54	0.08399	0.66543	0.02915	0.09084	3.40E-04	1.99E-02	1.86E-04	2.87E-04	2.07E-02	3.09E-04	0.00E+00	2.48E-06	7.82E-06	3.19E-04
1282	489835.89, 3859176.54	0.08371	0.6441	0.02974	0.0884	3.38E-04	1.92E-02	1.90E-04	2.79E-04	2.00E-02	3.08E-04	0.00E+00	2.53E-06	7.61E-06	3.18E-04
1283	489885.89, 3859176.54	0.08356	0.6232	0.03033	0.08603	3.38E-04	1.86E-02	1.93E-04	2.72E-04	1.94E-02	3.07E-04	0.00E+00	2.58E-06	7.41E-06	3.17E-04
1284	489935.89, 3859176.54	0.08343	0.60458	0.03086	0.08377	3.37E-04	1.80E-02	1.97E-04	2.64E-04	1.88E-02	3.07E-04	0.00E+00	2.62E-06	7.21E-06	3.17E-04
1285	489985.89, 3859176.54	0.08357	0.58273	0.03133	0.08154	3.38E-04	1.74E-02	2.00E-04	2.57E-04	1.82E-02	3.07E-04	0.00E+00	2.66E-06	7.02E-06	3.17E-04
1286	490035.89, 3859176.54	0.08359	0.56624	0.03175	0.07949	3.38E-04	1.69E-02	2.03E-04	2.51E-04	1.77E-02	3.07E-04	0.00E+00	2.70E-06	6.84E-06	3.17E-04
1287	489685.89, 3859226.54	0.08303	0.71841	0.02598	0.0993	3.36E-04	2.14E-02	1.66E-04	3.14E-04	2.22E-02	3.05E-04	0.00E+00	2.21E-06	8.55E-06	3.16E-04
1288	489735.89, 3859226.54	0.08241	0.69625	0.02643	0.0964	3.33E-04	2.08E-02	1.69E-04	3.04E-04	2.16E-02	3.03E-04	0.00E+00	2.25E-06	8.30E-06	3.14E-04
1289	489785.89, 3859226.54	0.08197	0.67333	0.02694	0.09355	3.31E-04	2.01E-02	1.72E-04	2.95E-04	2.09E-02	3.01E-04	0.00E+00	2.29E-06	8.06E-06	3.12E-04
1290	489835.89, 3859226.54	0.08166	0.65055	0.02751	0.09078	3.30E-04	1.94E-02	1.75E-04	2.87E-04	2.02E-02	3.00E-04	0.00E+00	2.34E-06	7.82E-06	3.10E-04
1291	489885.89, 3859226.54	0.08139	0.63002	0.02804	0.08817	3.29E-04	1.88E-02	1.79E-04	2.78E-04	1.96E-02	2.99E-04	0.00E+00	2.38E-06	7.59E-06	3.09E-04
1292	489935.89, 3859226.54	0.0812	0.61029	0.02857	0.08569	3.28E-04	1.82E-02	1.82E-04	2.71E-04	1.90E-02	2.99E-04	0.00E+00	2.43E-06	7.38E-06	3.08E-04
1293	489985.89, 3859226.54	0.08129	0.58678	0.02902	0.08325	3.29E-04	1.75E-02	1.85E-04	2.63E-04	1.83E-02	2.99E-04	0.00E+00	2.47E-06	7.17E-06	3.08E-04
1294	490035.89, 3859226.54	0.08116	0.57142	0.02947	0.08108	3.28E-04	1.70E-02	1.88E-04	2.56E-04	1.78E-02	2.98E-04	0.00E+00	2.51E-06	6.98E-06	3.08E-04
1295	489735.89, 3859276.54	0.08073	0.69944	0.02465	0.09896	3.26E-04	2.09E-02	1.57E-04	3.12E-04	2.17E-02	2.97E-04	0.00E+00	2.10E-06	8.52E-06	3.07E-04
1296	489785.89, 3859276.54	0.08017	0.67757	0.02507	0.09588	3.24E-04	2.02E-02	1.60E-04	3.03E-04	2.10E-02	2.95E-04	0.00E+00	2.13E-06	8.26E-06	3.05E-04
1297	489835.89, 3859276.54	0.0798	0.65453	0.02558	0.09288	3.23E-04	1.95E-02	1.63E-04	2.93E-04	2.03E-02	2.93E-04	0.00E+00	2.18E-06	8.00E-06	3.04E-04
1298	489885.89, 3859276.54	0.07942	0.63445	0.02604	0.0901	3.21E-04	1.89E-02	1.66E-04	2.84E-04	1.97E-02	2.92E-04	0.00E+00	2.21E-06	7.76E-06	3.02E-04
1299	489935.89, 3859276.54	0.07919	0.61381	0.02655	0.08744	3.20E-04	1.83E-02	1.69E-04	2.76E-04	1.91E-02	2.91E-04	0.00E+00	2.26E-06	7.53E-06	3.01E-04
1300	489985.89, 3859276.54	0.07923	0.58905	0.02698	0.08483	3.20E-04	1.76E-02	1.72E-04	2.68E-04	1.83E-02	2.91E-04	0.00E+00	2.29E-06	7.30E-06	3.01E-04
1301	490035.89, 3859276.54	0.07889	0.57662	0.02745	0.0826	3.19E-04	1.72E-02	1.75E-04	2.61E-04	1.80E-02	2.90E-04	0.00E+00	2.33E-06	7.11E-06	2.99E-04
1302	490458.06, 3859590.74	0.0659	0.47944	0.02078	0.06784	2.66E-04	1.43E-02	1.33E-04	2.14E-04	1.49E-02	2.42E-04	0.00E+00	1.77E-06	5.84E-06	2.50E-04
1303	490508.06, 3859590.74	0.06593	0.46753	0.02116	0.06595	2.67E-04	1.39E-02	1.35E-04	2.08E-04	1.46E-02	2.42E-04	0.00E+00	1.80E-06	5.68E-06	2.50E-04
1304	490558.06, 3859590.74	0.066	0.4559	0.02151	0.06418	2.67E-04	1.36E-02	1.37E-04	2.03E-04	1.42E-02	2.43E-04	0.00E+00	1.83E-06	5.53E-06	2.50E-04
1305	490608.06, 3859590.74	0.06613	0.44397	0.02173	0.06251	2.67E-04	1.32E-02	1.39E-04	1.97E-04	1.38E-02	2.43E-04	0.00E+00	1.85E-06	5.38E-06	2.50E-04
1306	490658.06, 3859590.74	0.0663	0.43171	0.02181	0.06095	2.68E-04	1.29E-02	1.39E-04	1.92E-04	1.35E-02	2.44E-04	0.00E+00	1.85E-06	5.25E-06	2.51E-04
1307	490708.06, 3859590.74	0.06649	0.41946	0.02192	0.05949	2.69E-04	1.25E-02	1.40E-04	1.88E-04	1.31E-02	2.44E-04	0.00E+00	1.86E-06	5.12E-06	2.51E-04
1308	490758.06, 3859590.74	0.06673	0.40671	0.02202	0.05813	2.70E-04	1.21E-02	1.40E-04	1.84E-04	1.27E-02	2.45E-04	0.00E+00	1.87E-06	5.01E-06	2.52E-04
1309	490808.06, 3859590.74	0.06694	0.39572	0.02215	0.05684	2.71E-04	1.18E-02	1.41E-04	1.79E-04	1.24E-02	2.46E-04	0.00E+00	1.88E-06	4.89E-06	2.53E-04
1310	490858.06, 3859590.74	0.06719	0.38439	0.02227	0.05564	2.72E-04	1.15E-02	1.42E-04	1.76E-04	1.21E-02	2.47E-04	0.00E+00	1.89E-06	4.79E-06	2.54E-04
1311	490458.06, 3859640.74	0.06424	0.48098	0.01962	0.06693	2.60E-04	1.43E-02	1.25E-04	2.11E-04	1.49E-02	2.36E-04	0.00E+00	1.67E-06	5.76E-06	2.44E-04
1312	490508.06, 3859640.74	0.0642	0.46975	0.01993	0.06503	2.60E-04	1.40E-02	1.27E-04	2.05E-04	1.46E-02	2.36E-04	0.00E+00	1.69E-06	5.60E-06	2.43E-04
1313	490558.06, 3859640.74	0.0642	0.45871	0.02026	0.06324	2.60E-04	1.37E-02	1.29E-04	2.00E-04	1.43E-02	2.36E-04	0.00E+00	1.72E-06	5.45E-06	2.43E-04
1314	490608.06, 3859640.74	0.06431	0.44667	0.02065	0.06153	2.60E-04	1.33E-02	1.32E-04	1.94E-04	1.39E-02	2.36E-04	0.00E+00	1.76E-06	5.30E-06	2.43E-04
1315	490658.06, 3859640.74	0.06447	0.43424	0.02085	0.05994	2.61E-04	1.30E-02	1.33E-04	1.89E-04	1.35E-02	2.37E-04	0.00E+00	1.77E-06	5.16E-06	2.44E-04
1316	490708.06, 3859640.74	0.06461	0.42253	0.02093	0.05847	2.61E-04	1.26E-02	1.34E-04	1.85E-04	1.32E-02	2.38E-04	0.00E+00	1.78E-06	5.03E-06	2.44E-04
1317	490758.06, 3859640.74	0.06479	0.41027	0.02103	0.05709	2.62E-04	1.22E-02	1.34E-04	1.80E-04	1.28E-02	2.38E-04	0.00E+00	1.79E-06	4.92E-06	2.45E-04
1318	490808.06, 3859640.74	0.06493	0.4002	0.02117	0.0558	2.62E-04	1.19E-02	1.35E-04	1.76E-04	1.25E-02	2.39E-04	0.00E+00	1.80E-06	4.80E-06	2.45E-04
1319	490858.06, 3859640.74	0.06509	0.39048	0.0213	0.05458	2.63E-04	1.16E-02	1.36E-04	1.72E-04	1.22E-02	2.39E-04	0.00E+00	1.81E-06	4.70E-06	2.46E-04
1320	490608.06, 3859690.74	0.06267	0.44824	0.01953	0.06034	2.53E-04	1.34E-02	1.25E-04	1.91E-04	1.39E-02	2.30E-04	0.00E+00	1.66E-06	5.20E-06	2.37E-04
1321	490658.06, 3859690.74	0.06277	0.43629	0.01989	0.05875	2.54E-04	1.30E-02	1.27E-04	1.85E-04	1.36E-02	2.31E-04	0.00E+00	1.69E-06	5.06E-06	2.38E-04
1322	490708.06, 3859690.74	0.06287	0.42485	0.02004	0.05728	2.54E-04	1.27E-02	1.28E-04	1.81E-04	1.32E-02	2.31E-04	0.00E+00	1.70E-06	4.93E-06	2.38E-04
1323	490758.06, 3859690.74	0.06301	0.41293	0.02011	0.05591	2.55E-04	1.23E-02	1.28E-04	1.77E-04	1.29E-02	2.32E-04	0.00E+00	1.71E-06	4.81E-06	2.38E-04
1324	490808.06, 3859690.74	0.06313	0.40236	0.02023	0.05464	2.55E-04	1.20E-02	1.29E-04	1.73E-04	1.26E-02	2.32E-04	0.00E+00	1.72E-06	4.71E-06	2.39E-04
1325	490858.06, 3859690.74	0.06317	0.39483	0.0204	0.05343	2.55E-04	1.18E-02	1.30E-04	1.69E-04	1.23E-02	2.32E-04	0.00E+00	1.73E-06	4.60E-06	2.39E-04
1326	490708.06, 3859740.74	0.06124	0.42722	0.01916	0.05598	2.48E-04	1.27E-02	1.22E-04	1.77E-04	1.33E-02	2.25E-04	0.00E+00	1.63E-06	4.82E-06	2.32E-04
1327	490758.06, 3859740.74	0.06123	0.41792	0.01936	0.05465	2.48E-04	1.25E-02	1.23E-04	1.73E-04	1.30E-02	2.25E-04	0.00E+00	1.65E-06	4.71E-06	2.31E-04
1328	490808.06, 3859740.74	0.06129	0.40808	0.01949	0.05338	2.48E-04	1.22E-02	1.24E-04	1.69E-04	1.27E-02	2.25E-04	0.00E+00	1.66E-06	4.60E-06	2.32E-04
1329	490858.06, 3859740.74	0.06134	0.39918	0.01961	0.05219	2.48E-04	1.19E-02	1.25E-04	1.65E-04	1.24E-02	2.26E-04	0.00E+00	1.67E-06	4.49E-06	2.32E-04
1330	490786.56, 3859749.39	0.06096	0.41296	0.01931	0.05369	2.46E-04	1.23E-02	1.23E-04	1.70E-04	1.29E-02	2.24E-04	0.00E+00	1.64E-06	4.62E-06	2.30E-04
1331	490836.56, 3859749.39	0.06103	0.40342	0.01943	0.05246	2.47E-04	1.20E-02	1.24E-04	1.66E-04	1.26E-02	2.24E-04	0.00E+00	1.65E-06	4.52E-06	2.31E-04
1332	490786.56, 3859799.39	0.05936	0.41517	0.01833	0.05233	2.40E-04	1.24E-02	1.17E-04	1.65E-04	1.29E-02	2.18E-04	0.00E+00	1.56E-06	4.51E-06	2.24E-04
1333	490836.56, 3859799.39	0.05939	0.40572	0.0186	0.05112	2.40E-04	1.21E-02	1.19E-04	1.61E-04	1.26E-02	2.18E-04	0.00E+00	1.58E-06	4.40E-06	2.24E-04
1334	492307.84, 3854508.36	0.13893	0.03726	0.02048	0.01998	5.62E-04	1.11E-03	1.31E-04	6.31E-05	1.87E-03	5.11E-04	0.00E+00	1.74E-06	1.72E-06	5.14E-04
1335	486445.7, 3854753.6	0.19696	0.04028	0.00925	0.0291	7.96E-04	1.20E-03	5.90E-05	9.19E-05	2.15E-03	7.24E-04	0.00E+00	7.87E-07	2.51E-06	7.27E-04
1336	472599.75, 3877830.11	0.0029	0.00334	0.00117	0.00114	1.17E-05	9.96E-05	7.46E-06	3.60E-06	1.22E-04	1.07E-05	0.00E+00	9.95E-08	9.82E-08	1.09E-05
1337	493107.48, 3866840.19	0.00924	0.00994	0.00271	0.00319	3.73E-05	2.97E-04	1.73E-05	1.01E-05	3.61E-04	3.40E-05	0.00E+00	2.30E-07	2.75E-07	3.45E-05
1338	495815.8, 3861662.87	0.03029	0.07155	0.00836	0.00787	1.22E-04	2.13E-03	5.33E-05	2.48E-05	2.34E-03	1.11E-04	0.00E+00	7.11E-07	6.78E-07	1.13E-04
1339	480272.33, 3841389.2	0.00102	0.00079	0.00143	0.00157	4.12E-06	2.36E-05	9.12E-06	4.96E-06	4.18E-05	3.75E-06	0.00E+00	1.22E-07	1.35E-07	4.01E-06
1340	497005.18, 3862813.64	0.02083	0.04481	0.00639	0.00489	8.42E-05	1.34E-03	4.08E-05	1.54E-05	1.48E-03	7.66E-05	0.00E+00	5.43E-07	4.21E-07	7.75E-05

1341	493677.33, 3860302.55	0.05298	0.15772	0.01752	0.01911	2.14E-04	4.71E-03	1.12E-04	6.03E-05	5.09E-03	1.95E-04	0.00E+00	1.49E-06	1.65E-06	1.98E-04
1342	493727.33, 3860302.55	0.05296	0.15603	0.01759	0.01899	2.14E-04	4.65E-03	1.12E-04	6.00E-05	5.04E-03	1.95E-04	0.00E+00	1.50E-06	1.64E-06	1.98E-04
1343	493777.33, 3860302.55	0.05295	0.15428	0.01763	0.01887	2.14E-04	4.60E-03	1.12E-04	5.96E-05	4.99E-03	1.95E-04	0.00E+00	1.50E-06	1.62E-06	1.98E-04
1344	493827.33, 3860302.55	0.05292	0.15254	0.01766	0.01875	2.14E-04	4.55E-03	1.13E-04	5.92E-05	4.94E-03	1.95E-04	0.00E+00	1.50E-06	1.61E-06	1.98E-04
1345	493877.33, 3860302.55	0.05285	0.151	0.01773	0.01864	2.14E-04	4.50E-03	1.13E-04	5.89E-05	4.89E-03	1.94E-04	0.00E+00	1.51E-06	1.61E-06	1.97E-04
1346	493927.33, 3860302.55	0.05274	0.14958	0.01781	0.01854	2.13E-04	4.46E-03	1.14E-04	5.85E-05	4.85E-03	1.94E-04	0.00E+00	1.51E-06	1.60E-06	1.97E-04
1347	493977.33, 3860302.55	0.05277	0.14743	0.01774	0.0184	2.13E-04	4.40E-03	1.13E-04	5.81E-05	4.78E-03	1.94E-04	0.00E+00	1.51E-06	1.58E-06	1.97E-04
1348	494027.33, 3860302.55	0.05271	0.14565	0.01775	0.01829	2.13E-04	4.35E-03	1.13E-04	5.77E-05	4.73E-03	1.94E-04	0.00E+00	1.51E-06	1.57E-06	1.97E-04
1349	493677.33, 3860352.55	0.05181	0.15571	0.01696	0.01861	2.09E-04	4.65E-03	1.08E-04	5.88E-05	5.02E-03	1.90E-04	0.00E+00	1.44E-06	1.60E-06	1.94E-04
1350	493727.33, 3860352.55	0.0518	0.15418	0.01704	0.01851	2.09E-04	4.60E-03	1.09E-04	5.84E-05	4.98E-03	1.90E-04	0.00E+00	1.45E-06	1.59E-06	1.93E-04
1351	493777.33, 3860352.55	0.05177	0.15265	0.01712	0.01841	2.09E-04	4.55E-03	1.09E-04	5.81E-05	4.93E-03	1.90E-04	0.00E+00	1.46E-06	1.59E-06	1.93E-04
1352	493827.33, 3860352.55	0.05175	0.15107	0.01721	0.0183	2.09E-04	4.51E-03	1.10E-04	5.78E-05	4.88E-03	1.90E-04	0.00E+00	1.46E-06	1.58E-06	1.93E-04
1353	493877.33, 3860352.55	0.05175	0.14942	0.0173	0.01819	2.09E-04	4.46E-03	1.10E-04	5.74E-05	4.83E-03	1.90E-04	0.00E+00	1.47E-06	1.57E-06	1.93E-04
1354	493927.33, 3860352.55	0.05177	0.14764	0.01731	0.01806	2.09E-04	4.40E-03	1.10E-04	5.70E-05	4.78E-03	1.90E-04	0.00E+00	1.47E-06	1.56E-06	1.93E-04
1355	493977.33, 3860352.55	0.0518	0.14575	0.01727	0.01794	2.09E-04	4.35E-03	1.10E-04	5.66E-05	4.72E-03	1.90E-04	0.00E+00	1.47E-06	1.54E-06	1.93E-04
1356	494027.33, 3860352.55	0.05173	0.14428	0.01732	0.01784	2.09E-04	4.30E-03	1.10E-04	5.63E-05	4.68E-03	1.90E-04	0.00E+00	1.47E-06	1.54E-06	1.93E-04
1357	493677.33, 3860402.55	0.05055	0.15375	0.01615	0.01816	2.04E-04	4.59E-03	1.03E-04	5.73E-05	4.95E-03	1.86E-04	0.00E+00	1.37E-06	1.56E-06	1.89E-04
1358	493727.33, 3860402.55	0.05056	0.15224	0.01623	0.01806	2.04E-04	4.54E-03	1.04E-04	5.70E-05	4.91E-03	1.86E-04	0.00E+00	1.38E-06	1.56E-06	1.89E-04
1359	493777.33, 3860402.55	0.0507	0.15042	0.01646	0.01792	2.05E-04	4.49E-03	1.05E-04	5.66E-05	4.85E-03	1.86E-04	0.00E+00	1.40E-06	1.54E-06	1.89E-04
1360	493827.33, 3860402.55	0.05065	0.14907	0.01649	0.01785	2.05E-04	4.45E-03	1.05E-04	5.64E-05	4.81E-03	1.86E-04	0.00E+00	1.40E-06	1.54E-06	1.89E-04
1361	493877.33, 3860402.55	0.05063	0.14761	0.01657	0.01775	2.05E-04	4.40E-03	1.06E-04	5.60E-05	4.77E-03	1.86E-04	0.00E+00	1.41E-06	1.53E-06	1.89E-04
1362	493927.33, 3860402.55	0.05071	0.14587	0.01677	0.01762	2.05E-04	4.35E-03	1.07E-04	5.56E-05	4.72E-03	1.86E-04	0.00E+00	1.43E-06	1.52E-06	1.89E-04
1363	493977.33, 3860402.55	0.0508	0.14398	0.01682	0.01749	2.05E-04	4.30E-03	1.07E-04	5.52E-05	4.66E-03	1.87E-04	0.00E+00	1.43E-06	1.51E-06	1.90E-04
1364	494027.33, 3860402.55	0.05073	0.14267	0.0169	0.0174	2.05E-04	4.26E-03	1.08E-04	5.49E-05	4.62E-03	1.87E-04	0.00E+00	1.44E-06	1.50E-06	1.89E-04
1365	493677.33, 3860452.55	0.04935	0.15142	0.01545	0.01768	1.99E-04	4.52E-03	9.85E-05	5.58E-05	4.87E-03	1.81E-04	0.00E+00	1.31E-06	1.52E-06	1.84E-04
1366	493727.33, 3860452.55	0.04931	0.1501	0.01546	0.01763	1.99E-04	4.48E-03	9.86E-05	5.57E-05	4.83E-03	1.81E-04	0.00E+00	1.31E-06	1.52E-06	1.84E-04
1367	493777.33, 3860452.55	0.04936	0.14861	0.01555	0.01754	2.00E-04	4.43E-03	9.92E-05	5.54E-05	4.79E-03	1.81E-04	0.00E+00	1.32E-06	1.51E-06	1.84E-04
1368	493827.33, 3860452.55	0.04948	0.14701	0.01573	0.01741	2.00E-04	4.39E-03	1.00E-04	5.50E-05	4.74E-03	1.82E-04	0.00E+00	1.34E-06	1.50E-06	1.85E-04
1369	493877.33, 3860452.55	0.04955	0.14547	0.01588	0.0173	2.00E-04	4.34E-03	1.01E-04	5.46E-05	4.70E-03	1.82E-04	0.00E+00	1.35E-06	1.49E-06	1.85E-04
1370	493927.33, 3860452.55	0.04971	0.14371	0.01614	0.01716	2.01E-04	4.29E-03	1.03E-04	5.42E-05	4.65E-03	1.83E-04	0.00E+00	1.37E-06	1.48E-06	1.86E-04
1371	493977.33, 3860452.55	0.0497	0.14231	0.01624	0.01707	2.01E-04	4.25E-03	1.04E-04	5.39E-05	4.60E-03	1.83E-04	0.00E+00	1.38E-06	1.47E-06	1.86E-04
1372	494027.33, 3860452.55	0.04968	0.14095	0.01633	0.01698	2.01E-04	4.21E-03	1.04E-04	5.36E-05	4.56E-03	1.83E-04	0.00E+00	1.39E-06	1.46E-06	1.85E-04
1373	493677.33, 3860502.55	0.0481	0.14907	0.01477	0.01721	1.94E-04	4.45E-03	9.42E-05	5.43E-05	4.79E-03	1.77E-04	0.00E+00	1.26E-06	1.48E-06	1.80E-04
1374	493727.33, 3860502.55	0.04812	0.14771	0.01481	0.01716	1.95E-04	4.41E-03	9.45E-05	5.42E-05	4.75E-03	1.77E-04	0.00E+00	1.26E-06	1.48E-06	1.80E-04
1375	493777.33, 3860502.55	0.0482	0.14627	0.0149	0.01708	1.95E-04	4.36E-03	9.50E-05	5.39E-05	4.71E-03	1.77E-04	0.00E+00	1.27E-06	1.47E-06	1.80E-04
1376	493827.33, 3860502.55	0.04828	0.14484	0.01501	0.01699	1.95E-04	4.32E-03	9.57E-05	5.36E-05	4.67E-03	1.78E-04	0.00E+00	1.28E-06	1.46E-06	1.80E-04
1377	493877.33, 3860502.55	0.04841	0.14334	0.01518	0.01688	1.96E-04	4.28E-03	9.68E-05	5.33E-05	4.62E-03	1.78E-04	0.00E+00	1.29E-06	1.45E-06	1.81E-04
1378	493927.33, 3860502.55	0.04856	0.14177	0.01538	0.01675	1.96E-04	4.23E-03	9.81E-05	5.29E-05	4.58E-03	1.79E-04	0.00E+00	1.31E-06	1.44E-06	1.81E-04
1379	493977.33, 3860502.55	0.04857	0.14046	0.01546	0.01667	1.96E-04	4.19E-03	9.86E-05	5.26E-05	4.54E-03	1.79E-04	0.00E+00	1.31E-06	1.44E-06	1.81E-04
1380	494027.33, 3860502.55	0.04859	0.1391	0.01557	0.01659	1.96E-04	4.15E-03	9.93E-05	5.24E-05	4.50E-03	1.79E-04	0.00E+00	1.32E-06	1.43E-06	1.81E-04
1381	493627.33, 3860552.55	0.0467	0.14808	0.01405	0.01683	1.89E-04	4.42E-03	8.96E-05	5.31E-05	4.75E-03	1.72E-04	0.00E+00	1.19E-06	1.45E-06	1.74E-04
1382	493677.33, 3860552.55	0.04677	0.1468	0.01409	0.01678	1.89E-04	4.38E-03	8.99E-05	5.30E-05	4.71E-03	1.72E-04	0.00E+00	1.20E-06	1.44E-06	1.75E-04
1383	493727.33, 3860552.55	0.04683	0.1454	0.01414	0.01673	1.89E-04	4.34E-03	9.02E-05	5.28E-05	4.67E-03	1.72E-04	0.00E+00	1.20E-06	1.44E-06	1.75E-04
1384	493777.33, 3860552.55	0.04697	0.14399	0.01425	0.01664	1.90E-04	4.30E-03	9.09E-05	5.25E-05	4.63E-03	1.73E-04	0.00E+00	1.21E-06	1.43E-06	1.75E-04
1385	493827.33, 3860552.55	0.04715	0.14248	0.0144	0.01653	1.91E-04	4.25E-03	9.19E-05	5.22E-05	4.59E-03	1.73E-04	0.00E+00	1.22E-06	1.42E-06	1.76E-04
1386	493877.33, 3860552.55	0.0472	0.14116	0.01448	0.01647	1.91E-04	4.21E-03	9.24E-05	5.20E-05	4.55E-03	1.74E-04	0.00E+00	1.23E-06	1.42E-06	1.76E-04
1387	493927.33, 3860552.55	0.04734	0.13976	0.01463	0.01636	1.91E-04	4.17E-03	9.33E-05	5.17E-05	4.51E-03	1.74E-04	0.00E+00	1.24E-06	1.41E-06	1.77E-04
1388	493977.33, 3860552.55	0.04748	0.13835	0.0148	0.01626	1.92E-04	4.13E-03	9.44E-05	5.13E-05	4.47E-03	1.75E-04	0.00E+00	1.26E-06	1.40E-06	1.77E-04
1389	494027.33, 3860552.55	0.0475	0.13708	0.01488	0.01619	1.92E-04	4.09E-03	9.49E-05	5.11E-05	4.43E-03	1.75E-04	0.00E+00	1.27E-06	1.39E-06	1.77E-04
1390	493627.33, 3860602.55	0.04542	0.14561	0.01349	0.01637	1.84E-04	4.34E-03	8.60E-05	5.17E-05	4.67E-03	1.67E-04	0.00E+00	1.15E-06	1.41E-06	1.70E-04
1391	493727.33, 3860602.55	0.04551	0.14292	0.01351	0.01632	1.84E-04	4.26E-03	8.62E-05	5.15E-05	4.59E-03	1.67E-04	0.00E+00	1.15E-06	1.41E-06	1.70E-04
1392	493777.33, 3860602.55	0.04576	0.14154	0.01367	0.0162	1.85E-04	4.22E-03	8.72E-05	5.11E-05	4.55E-03	1.68E-04	0.00E+00	1.16E-06	1.39E-06	1.71E-04
1393	493827.33, 3860602.55	0.04589	0.14021	0.01376	0.01613	1.85E-04	4.18E-03	8.78E-05	5.09E-05	4.51E-03	1.69E-04	0.00E+00	1.17E-06	1.39E-06	1.71E-04
1394	493877.33, 3860602.55	0.04609	0.13887	0.01391	0.01602	1.86E-04	4.14E-03	8.87E-05	5.06E-05	4.47E-03	1.69E-04	0.00E+00	1.18E-06	1.38E-06	1.72E-04
1395	493927.33, 3860602.55	0.04622	0.13757	0.01403	0.01594	1.87E-04	4.10E-03	8.95E-05	5.03E-05	4.43E-03	1.70E-04	0.00E+00	1.19E-06	1.37E-06	1.72E-04
1396	493977.33, 3860602.55	0.04635	0.13619	0.01416	0.01585	1.87E-04	4.06E-03	9.03E-05	5.00E-05	4.39E-03	1.70E-04	0.00E+00	1.20E-06	1.36E-06	1.73E-04
1397	494027.33, 3860602.55	0.04637	0.13507	0.01422	0.0158	1.87E-04	4.03E-03	9.07E-05	4.99E-05	4.36E-03	1.70E-04	0.00E+00	1.21E-06	1.36E-06	1.73E-04
1398	493627.33, 3860652.55	0.0441	0.14301	0.01296	0.01593	1.78E-04	4.27E-03	8.27E-05	5.03E-05	4.58E-03	1.62E-04	0.00E+00	1.10E-06	1.37E-06	1.65E-04
1399	493727.33, 3860652.55	0.04425	0.14037	0.01299	0.01582	1.79E-04	4.19E-03	8.29E-05	4.99E-05	4.50E-03	1.63E-04	0.00E+00	1.10E-06	1.36E-06	1.65E-04
1400	493777.33, 3860652.55	0.04448	0.13907	0.0131	0.01577	1.80E-04	4.15E-03	8.36E-05	4.98E-05	4.46E-03	1.64E-04	0.00E+00	1.11E-06	1.36E-06	1.66E-04
1401	493827.33, 3860652.55	0.04469	0.13778	0.01321	0.0157	1.81E-04	4.11E-03	8.43E-05	4.96E-05	4.42E-03	1.64E-04	0.00E+00	1.12E-06	1.35E-06	1.67E-04
1402	493877.33, 3860652.55	0.04492	0.13649	0.01335	0.0156	1.82E-04	4.07E-03	8.52E-05	4.93E-05	4.39E-03	1.65E-04	0.00E+00	1.14E-06	1.34E-06	1.68E-04
1403	493927.33, 3860652.55	0.04506	0.13525	0.01345	0.01552	1.82E-04	4.03E-03	8.58E-05	4.90E-05	4.35E-03	1.66E-04	0.00E+00	1.14E-06	1.34E-06	1.68E-04
1404	493977.33, 3860652.55	0.04518	0.13403	0.01355	0.01546	1.83E-04	4.00E-03	8.64E-05	4.88E-05	4.32E-03	1.66E-04	0.00E+00	1.15E-06	1.33E-06	1.69E-04

1405	494027.33, 3860652.55	0.04534	0.1328	0.01369	0.01536	1.83E-04	3.96E-03	8.73E-05	4.85E-05	4.28E-03	1.67E-04	0.00E+00	1.16E-06	1.32E-06	1.69E-04
1406	494311.06, 3858401.99	0.06133	0.06938	0.05069	0.02491	2.48E-04	2.07E-03	3.23E-04	7.87E-05	2.72E-03	2.25E-04	0.00E+00	4.31E-06	2.15E-06	2.32E-04
1407	494361.06, 3858401.99	0.06028	0.06825	0.04993	0.02469	2.44E-04	2.04E-03	3.18E-04	7.80E-05	2.68E-03	2.22E-04	0.00E+00	4.25E-06	2.13E-06	2.28E-04
1408	494411.06, 3858401.99	0.05961	0.06744	0.04938	0.02451	2.41E-04	2.01E-03	3.15E-04	7.74E-05	2.65E-03	2.19E-04	0.00E+00	4.20E-06	2.11E-06	2.25E-04
1409	494461.06, 3858401.99	0.05936	0.06698	0.04903	0.02437	2.40E-04	2.00E-03	3.13E-04	7.69E-05	2.63E-03	2.18E-04	0.00E+00	4.17E-06	2.10E-06	2.25E-04
1410	494511.06, 3858401.99	0.05862	0.06613	0.04847	0.02419	2.37E-04	1.97E-03	3.09E-04	7.64E-05	2.60E-03	2.16E-04	0.00E+00	4.12E-06	2.08E-06	2.22E-04
1411	494561.06, 3858401.99	0.05833	0.06565	0.04811	0.02405	2.36E-04	1.96E-03	3.07E-04	7.59E-05	2.58E-03	2.14E-04	0.00E+00	4.09E-06	2.07E-06	2.21E-04
1412	494611.06, 3858401.99	0.05758	0.06479	0.04752	0.02387	2.33E-04	1.93E-03	3.03E-04	7.54E-05	2.54E-03	2.12E-04	0.00E+00	4.04E-06	2.06E-06	2.18E-04
1413	494661.06, 3858401.99	0.0569	0.06406	0.04702	0.02371	2.30E-04	1.91E-03	3.00E-04	7.49E-05	2.52E-03	2.09E-04	0.00E+00	4.00E-06	2.04E-06	2.15E-04
1414	494711.06, 3858401.99	0.05591	0.06301	0.04633	0.02351	2.26E-04	1.88E-03	2.96E-04	7.42E-05	2.48E-03	2.06E-04	0.00E+00	3.94E-06	2.02E-06	2.12E-04
1415	494761.06, 3858401.99	0.05545	0.06239	0.04593	0.02336	2.24E-04	1.86E-03	2.93E-04	7.38E-05	2.45E-03	2.04E-04	0.00E+00	3.91E-06	2.01E-06	2.10E-04
1416	494811.06, 3858401.99	0.05473	0.06157	0.04543	0.02318	2.21E-04	1.84E-03	2.90E-04	7.32E-05	2.42E-03	2.01E-04	0.00E+00	3.86E-06	2.00E-06	2.07E-04
1417	494861.06, 3858401.99	0.05409	0.06083	0.04497	0.02302	2.19E-04	1.81E-03	2.87E-04	7.27E-05	2.39E-03	1.99E-04	0.00E+00	3.82E-06	1.98E-06	2.05E-04
1418	494911.06, 3858401.99	0.05347	0.06014	0.04453	0.02286	2.16E-04	1.79E-03	2.84E-04	7.22E-05	2.37E-03	1.97E-04	0.00E+00	3.79E-06	1.97E-06	2.02E-04
1419	494961.06, 3858401.99	0.05281	0.05936	0.04409	0.0227	2.13E-04	1.77E-03	2.81E-04	7.17E-05	2.34E-03	1.94E-04	0.00E+00	3.75E-06	1.95E-06	2.00E-04
1420	495011.06, 3858401.99	0.05193	0.05844	0.04347	0.0225	2.10E-04	1.74E-03	2.77E-04	7.10E-05	2.30E-03	1.91E-04	0.00E+00	3.70E-06	1.94E-06	1.97E-04
1421	495061.06, 3858401.99	0.05127	0.0577	0.04293	0.02233	2.07E-04	1.72E-03	2.74E-04	7.05E-05	2.27E-03	1.88E-04	0.00E+00	3.65E-06	1.92E-06	1.94E-04
1422	495111.06, 3858401.99	0.04994	0.0564	0.04228	0.02208	2.02E-04	1.68E-03	2.70E-04	6.97E-05	2.22E-03	1.84E-04	0.00E+00	3.60E-06	1.90E-06	1.89E-04
1423	495161.06, 3858401.99	0.04978	0.05607	0.04203	0.02197	2.01E-04	1.67E-03	2.68E-04	6.94E-05	2.21E-03	1.83E-04	0.00E+00	3.57E-06	1.89E-06	1.88E-04
1424	495211.06, 3858401.99	0.0486	0.05495	0.04145	0.02177	1.96E-04	1.64E-03	2.64E-04	6.87E-05	2.17E-03	1.79E-04	0.00E+00	3.53E-06	1.87E-06	1.84E-04
1425	495261.06, 3858401.99	0.04803	0.05428	0.04105	0.02162	1.94E-04	1.62E-03	2.62E-04	6.83E-05	2.14E-03	1.77E-04	0.00E+00	3.49E-06	1.86E-06	1.82E-04
1426	495311.06, 3858401.99	0.04742	0.05359	0.04064	0.02146	1.92E-04	1.60E-03	2.59E-04	6.78E-05	2.12E-03	1.74E-04	0.00E+00	3.46E-06	1.85E-06	1.80E-04
1427	495361.06, 3858401.99	0.04702	0.05309	0.04032	0.02133	1.90E-04	1.58E-03	2.57E-04	6.73E-05	2.10E-03	1.73E-04	0.00E+00	3.43E-06	1.84E-06	1.78E-04
1428	495411.06, 3858401.99	0.04685	0.05276	0.04009	0.02122	1.89E-04	1.57E-03	2.56E-04	6.70E-05	2.09E-03	1.72E-04	0.00E+00	3.41E-06	1.83E-06	1.77E-04
1429	495461.06, 3858401.99	0.04675	0.0525	0.03988	0.02112	1.89E-04	1.57E-03	2.54E-04	6.67E-05	2.08E-03	1.72E-04	0.00E+00	3.39E-06	1.82E-06	1.77E-04
1430	495511.06, 3858401.99	0.04658	0.05218	0.03965	0.02102	1.88E-04	1.56E-03	2.53E-04	6.64E-05	2.06E-03	1.71E-04	0.00E+00	3.37E-06	1.81E-06	1.76E-04
1431	495561.06, 3858401.99	0.04619	0.0516	0.03946	0.02092	1.87E-04	1.54E-03	2.52E-04	6.61E-05	2.04E-03	1.70E-04	0.00E+00	3.36E-06	1.80E-06	1.75E-04
1432	495611.06, 3858401.99	0.04607	0.05133	0.03925	0.02082	1.86E-04	1.53E-03	2.50E-04	6.57E-05	2.03E-03	1.69E-04	0.00E+00	3.34E-06	1.79E-06	1.75E-04
1433	495661.06, 3858401.99	0.04624	0.05138	0.03904	0.02073	1.87E-04	1.53E-03	2.49E-04	6.55E-05	2.03E-03	1.70E-04	0.00E+00	3.32E-06	1.79E-06	1.75E-04
1434	494311.06, 3858451.99	0.06242	0.07181	0.05077	0.02516	2.52E-04	2.14E-03	3.24E-04	7.94E-05	2.80E-03	2.29E-04	0.00E+00	4.32E-06	2.17E-06	2.36E-04
1435	494361.06, 3858451.99	0.06159	0.07083	0.04995	0.02496	2.49E-04	2.11E-03	3.19E-04	7.88E-05	2.76E-03	2.26E-04	0.00E+00	4.25E-06	2.15E-06	2.33E-04
1436	494411.06, 3858451.99	0.06092	0.06998	0.04935	0.02477	2.46E-04	2.09E-03	3.15E-04	7.82E-05	2.73E-03	2.24E-04	0.00E+00	4.20E-06	2.13E-06	2.30E-04
1437	494461.06, 3858451.99	0.06034	0.06922	0.04881	0.02459	2.44E-04	2.07E-03	3.11E-04	7.76E-05	2.70E-03	2.22E-04	0.00E+00	4.15E-06	2.12E-06	2.28E-04
1438	494511.06, 3858451.99	0.06004	0.0687	0.04844	0.02445	2.43E-04	2.05E-03	3.09E-04	7.72E-05	2.68E-03	2.21E-04	0.00E+00	4.12E-06	2.11E-06	2.27E-04
1439	494561.06, 3858451.99	0.05925	0.06776	0.04782	0.02425	2.40E-04	2.02E-03	3.05E-04	7.66E-05	2.64E-03	2.18E-04	0.00E+00	4.07E-06	2.09E-06	2.24E-04
1440	494611.06, 3858451.99	0.05869	0.06703	0.0473	0.02408	2.37E-04	2.00E-03	3.02E-04	7.60E-05	2.61E-03	2.16E-04	0.00E+00	4.02E-06	2.07E-06	2.22E-04
1441	494661.06, 3858451.99	0.05808	0.06627	0.04681	0.02391	2.35E-04	1.98E-03	2.99E-04	7.55E-05	2.59E-03	2.14E-04	0.00E+00	3.98E-06	2.06E-06	2.20E-04
1442	494711.06, 3858451.99	0.05725	0.06531	0.04622	0.02371	2.31E-04	1.95E-03	2.95E-04	7.49E-05	2.55E-03	2.10E-04	0.00E+00	3.93E-06	2.04E-06	2.16E-04
1443	494761.06, 3858451.99	0.0564	0.06436	0.04566	0.02352	2.28E-04	1.92E-03	2.91E-04	7.43E-05	2.51E-03	2.07E-04	0.00E+00	3.88E-06	2.03E-06	2.13E-04
1444	494811.06, 3858451.99	0.05575	0.06358	0.04514	0.02335	2.25E-04	1.90E-03	2.88E-04	7.37E-05	2.48E-03	2.05E-04	0.00E+00	3.84E-06	2.01E-06	2.11E-04
1445	494861.06, 3858451.99	0.05493	0.06272	0.04456	0.02317	2.22E-04	1.87E-03	2.84E-04	7.32E-05	2.45E-03	2.02E-04	0.00E+00	3.79E-06	2.00E-06	2.08E-04
1446	494911.06, 3858451.99	0.05403	0.0616	0.04413	0.02301	2.18E-04	1.84E-03	2.81E-04	7.27E-05	2.41E-03	1.99E-04	0.00E+00	3.75E-06	1.98E-06	2.04E-04
1447	494961.06, 3858451.99	0.05319	0.06078	0.04346	0.02278	2.15E-04	1.81E-03	2.77E-04	7.19E-05	2.38E-03	1.96E-04	0.00E+00	3.70E-06	1.96E-06	2.01E-04
1448	495011.06, 3858451.99	0.05225	0.05978	0.04291	0.02258	2.11E-04	1.78E-03	2.74E-04	7.13E-05	2.34E-03	1.92E-04	0.00E+00	3.65E-06	1.94E-06	1.98E-04
1449	495061.06, 3858451.99	0.05187	0.05925	0.04258	0.02245	2.10E-04	1.77E-03	2.72E-04	7.09E-05	2.32E-03	1.91E-04	0.00E+00	3.62E-06	1.93E-06	1.96E-04
1450	495111.06, 3858451.99	0.05097	0.05829	0.04201	0.02225	2.06E-04	1.74E-03	2.68E-04	7.03E-05	2.28E-03	1.87E-04	0.00E+00	3.57E-06	1.92E-06	1.93E-04
1451	495161.06, 3858451.99	0.04995	0.05723	0.04132	0.02204	2.02E-04	1.71E-03	2.64E-04	6.96E-05	2.24E-03	1.84E-04	0.00E+00	3.51E-06	1.90E-06	1.89E-04
1452	495211.06, 3858451.99	0.04904	0.05625	0.04083	0.02182	1.98E-04	1.68E-03	2.60E-04	6.89E-05	2.21E-03	1.80E-04	0.00E+00	3.47E-06	1.88E-06	1.86E-04
1453	495261.06, 3858451.99	0.04848	0.05557	0.04047	0.02168	1.96E-04	1.66E-03	2.58E-04	6.85E-05	2.18E-03	1.78E-04	0.00E+00	3.44E-06	1.87E-06	1.84E-04
1454	495311.06, 3858451.99	0.04804	0.055	0.04014	0.02154	1.94E-04	1.64E-03	2.56E-04	6.80E-05	2.16E-03	1.77E-04	0.00E+00	3.41E-06	1.85E-06	1.82E-04
1455	495361.06, 3858451.99	0.04763	0.05451	0.03985	0.02141	1.93E-04	1.63E-03	2.54E-04	6.76E-05	2.14E-03	1.75E-04	0.00E+00	3.39E-06	1.84E-06	1.80E-04
1456	495411.06, 3858451.99	0.04751	0.05422	0.03964	0.0213	1.92E-04	1.62E-03	2.53E-04	6.73E-05	2.13E-03	1.75E-04	0.00E+00	3.37E-06	1.83E-06	1.80E-04
1457	495461.06, 3858451.99	0.04744	0.05397	0.03945	0.02121	1.92E-04	1.61E-03	2.52E-04	6.70E-05	2.12E-03	1.74E-04	0.00E+00	3.36E-06	1.83E-06	1.80E-04
1458	495511.06, 3858451.99	0.047	0.05341	0.03914	0.02107	1.90E-04	1.59E-03	2.50E-04	6.65E-05	2.10E-03	1.73E-04	0.00E+00	3.33E-06	1.81E-06	1.78E-04
1459	495561.06, 3858451.99	0.04714	0.05334	0.03902	0.021	1.91E-04	1.59E-03	2.49E-04	6.63E-05	2.10E-03	1.73E-04	0.00E+00	3.32E-06	1.81E-06	1.78E-04
1460	495611.06, 3858451.99	0.04658	0.05268	0.03867	0.02085	1.88E-04	1.57E-03	2.47E-04	6.58E-05	2.07E-03	1.71E-04	0.00E+00	3.29E-06	1.80E-06	1.76E-04
1461	495661.06, 3858451.99	0.04658	0.05251	0.03851	0.02076	1.88E-04	1.57E-03	2.46E-04	6.55E-05	2.07E-03	1.71E-04	0.00E+00	3.28E-06	1.79E-06	1.76E-04
1462	494311.06, 3858501.99	0.06232	0.07329	0.05023	0.02529	2.52E-04	2.19E-03	3.20E-04	7.98E-05	2.84E-03	2.29E-04	0.00E+00	4.27E-06	2.18E-06	2.36E-04
1463	494361.06, 3858501.99	0.06183	0.07256	0.04975	0.02512	2.50E-04	2.16E-03	3.17E-04	7.93E-05	2.81E-03	2.27E-04	0.00E+00	4.23E-06	2.16E-06	2.34E-04
1464	494411.06, 3858501.99	0.06124	0.07173	0.0492	0.02493	2.48E-04	2.14E-03	3.14E-04	7.87E-05	2.78E-03	2.25E-04	0.00E+00	4.18E-06	2.15E-06	2.31E-04
1465	494461.06, 3858501.99	0.06091	0.07116	0.04874	0.02476	2.46E-04	2.12E-03	3.11E-04	7.82E-05	2.76E-03	2.24E-04	0.00E+00	4.15E-06	2.13E-06	2.30E-04
1466	494511.06, 3858501.99	0.06006	0.07013	0.04797	0.02456	2.43E-04	2.09E-03	3.06E-04	7.75E-05	2.72E-03	2.21E-04	0.00E+00	4.08E-06	2.11E-06	2.27E-04
1467	494561.06, 3858501.99	0.06025	0.07002	0.0479	0.02447	2.44E-04	2.09E-03	3.06E-04	7.73E-05	2.72E-03	2.22E-04	0.00E+00	4.07E-06	2.11E-06	2.28E-04
1468	494611.06, 3858501.99	0.05953	0.06913	0.0472	0.02428	2.41E-04	2.06E-03	3.01E-04	7.67E-05	2.68E-03	2.19E-04	0.00E+00	4.01E-06	2.09E-06	2.25E-04

1469	494661.06, 3858501.99	0.05911	0.06849	0.04675	0.02411	2.39E-04	2.04E-03	2.98E-04	7.61E-05	2.66E-03	2.17E-04	0.00E+00	3.98E-06	2.08E-06	2.23E-04
1470	494711.06, 3858501.99	0.05825	0.06749	0.04613	0.02391	2.35E-04	2.01E-03	2.94E-04	7.55E-05	2.62E-03	2.14E-04	0.00E+00	3.92E-06	2.06E-06	2.20E-04
1471	494761.06, 3858501.99	0.05727	0.06637	0.04541	0.02368	2.31E-04	1.98E-03	2.90E-04	7.48E-05	2.58E-03	2.11E-04	0.00E+00	3.86E-06	2.04E-06	2.16E-04
1472	494811.06, 3858501.99	0.05637	0.06533	0.04477	0.02348	2.28E-04	1.95E-03	2.86E-04	7.41E-05	2.54E-03	2.07E-04	0.00E+00	3.81E-06	2.02E-06	2.13E-04
1473	494861.06, 3858501.99	0.05578	0.06458	0.04432	0.02331	2.25E-04	1.93E-03	2.83E-04	7.36E-05	2.51E-03	2.05E-04	0.00E+00	3.77E-06	2.01E-06	2.11E-04
1474	494911.06, 3858501.99	0.05451	0.06326	0.04355	0.02306	2.20E-04	1.89E-03	2.78E-04	7.28E-05	2.46E-03	2.00E-04	0.00E+00	3.70E-06	1.99E-06	2.06E-04
1475	494961.06, 3858501.99	0.05386	0.06251	0.04307	0.0229	2.18E-04	1.86E-03	2.75E-04	7.23E-05	2.43E-03	1.98E-04	0.00E+00	3.66E-06	1.97E-06	2.04E-04
1476	495011.06, 3858501.99	0.05279	0.06134	0.04242	0.02268	2.13E-04	1.83E-03	2.71E-04	7.16E-05	2.39E-03	1.94E-04	0.00E+00	3.61E-06	1.95E-06	2.00E-04
1477	495061.06, 3858501.99	0.0524	0.06078	0.04209	0.02254	2.12E-04	1.81E-03	2.68E-04	7.12E-05	2.36E-03	1.93E-04	0.00E+00	3.58E-06	1.94E-06	1.98E-04
1478	495111.06, 3858501.99	0.05106	0.0594	0.04138	0.02229	2.06E-04	1.77E-03	2.64E-04	7.04E-05	2.31E-03	1.88E-04	0.00E+00	3.52E-06	1.92E-06	1.93E-04
1479	495161.06, 3858501.99	0.05024	0.05849	0.04088	0.02211	2.03E-04	1.74E-03	2.61E-04	6.98E-05	2.28E-03	1.85E-04	0.00E+00	3.48E-06	1.90E-06	1.90E-04
1480	495211.06, 3858501.99	0.04944	0.0576	0.04033	0.02192	2.00E-04	1.72E-03	2.57E-04	6.92E-05	2.24E-03	1.82E-04	0.00E+00	3.43E-06	1.89E-06	1.87E-04
1481	495261.06, 3858501.99	0.04891	0.05694	0.03989	0.02176	1.98E-04	1.70E-03	2.54E-04	6.87E-05	2.22E-03	1.80E-04	0.00E+00	3.39E-06	1.87E-06	1.85E-04
1482	495311.06, 3858501.99	0.04863	0.05649	0.03963	0.02163	1.97E-04	1.69E-03	2.53E-04	6.83E-05	2.20E-03	1.79E-04	0.00E+00	3.37E-06	1.86E-06	1.84E-04
1483	495361.06, 3858501.99	0.04838	0.05607	0.03938	0.0215	1.96E-04	1.67E-03	2.51E-04	6.79E-05	2.19E-03	1.78E-04	0.00E+00	3.35E-06	1.85E-06	1.83E-04
1484	495411.06, 3858501.99	0.04824	0.05571	0.03917	0.02139	1.95E-04	1.66E-03	2.50E-04	6.75E-05	2.17E-03	1.77E-04	0.00E+00	3.33E-06	1.84E-06	1.83E-04
1485	495461.06, 3858501.99	0.0481	0.05539	0.03896	0.02128	1.94E-04	1.65E-03	2.49E-04	6.72E-05	2.16E-03	1.77E-04	0.00E+00	3.31E-06	1.83E-06	1.82E-04
1486	495511.06, 3858501.99	0.04785	0.05498	0.03872	0.02116	1.93E-04	1.64E-03	2.47E-04	6.68E-05	2.15E-03	1.76E-04	0.00E+00	3.29E-06	1.82E-06	1.81E-04
1487	495561.06, 3858501.99	0.04796	0.0549	0.0386	0.02108	1.94E-04	1.64E-03	2.46E-04	6.66E-05	2.14E-03	1.76E-04	0.00E+00	3.28E-06	1.82E-06	1.81E-04
1488	495611.06, 3858501.99	0.04768	0.05436	0.03845	0.021	1.93E-04	1.62E-03	2.45E-04	6.63E-05	2.13E-03	1.75E-04	0.00E+00	3.27E-06	1.81E-06	1.80E-04
1489	495661.06, 3858501.99	0.0475	0.05409	0.03814	0.02085	1.92E-04	1.61E-03	2.43E-04	6.58E-05	2.11E-03	1.75E-04	0.00E+00	3.24E-06	1.80E-06	1.80E-04
1490	494311.06, 3858551.99	0.06119	0.07362	0.04963	0.02534	2.47E-04	2.20E-03	3.17E-04	8.00E-05	2.84E-03	2.25E-04	0.00E+00	4.22E-06	2.18E-06	2.31E-04
1491	494361.06, 3858551.99	0.06172	0.07377	0.0499	0.02529	2.49E-04	2.20E-03	3.18E-04	7.98E-05	2.85E-03	2.27E-04	0.00E+00	4.24E-06	2.18E-06	2.33E-04
1492	494411.06, 3858551.99	0.06196	0.07391	0.04942	0.02514	2.50E-04	2.20E-03	3.15E-04	7.94E-05	2.85E-03	2.28E-04	0.00E+00	4.20E-06	2.16E-06	2.34E-04
1493	494461.06, 3858551.99	0.06189	0.07354	0.04915	0.02502	2.50E-04	2.19E-03	3.14E-04	7.90E-05	2.84E-03	2.28E-04	0.00E+00	4.18E-06	2.15E-06	2.34E-04
1494	494511.06, 3858551.99	0.06148	0.07287	0.04863	0.02485	2.49E-04	2.17E-03	3.10E-04	7.85E-05	2.81E-03	2.26E-04	0.00E+00	4.14E-06	2.14E-06	2.32E-04
1495	494561.06, 3858551.99	0.06116	0.07228	0.04825	0.02469	2.47E-04	2.16E-03	3.08E-04	7.80E-05	2.79E-03	2.25E-04	0.00E+00	4.10E-06	2.13E-06	2.31E-04
1496	494611.06, 3858551.99	0.06062	0.07151	0.04764	0.02451	2.45E-04	2.13E-03	3.04E-04	7.74E-05	2.76E-03	2.23E-04	0.00E+00	4.05E-06	2.11E-06	2.29E-04
1497	494661.06, 3858551.99	0.06015	0.0708	0.04709	0.02433	2.43E-04	2.11E-03	3.00E-04	7.68E-05	2.73E-03	2.21E-04	0.00E+00	4.00E-06	2.10E-06	2.27E-04
1498	494711.06, 3858551.99	0.05918	0.06964	0.04636	0.0241	2.39E-04	2.08E-03	2.96E-04	7.61E-05	2.69E-03	2.18E-04	0.00E+00	3.94E-06	2.08E-06	2.24E-04
1499	494761.06, 3858551.99	0.05823	0.06852	0.04558	0.02387	2.35E-04	2.04E-03	2.91E-04	7.54E-05	2.65E-03	2.14E-04	0.00E+00	3.88E-06	2.06E-06	2.20E-04
1500	494811.06, 3858551.99	0.05752	0.06762	0.04485	0.02368	2.33E-04	2.02E-03	2.86E-04	7.48E-05	2.61E-03	2.11E-04	0.00E+00	3.81E-06	2.04E-06	2.17E-04
1501	494861.06, 3858551.99	0.05656	0.06651	0.0442	0.02346	2.29E-04	1.98E-03	2.82E-04	7.41E-05	2.57E-03	2.08E-04	0.00E+00	3.76E-06	2.02E-06	2.14E-04
1502	494911.06, 3858551.99	0.05545	0.06526	0.04343	0.02321	2.24E-04	1.95E-03	2.77E-04	7.33E-05	2.52E-03	2.04E-04	0.00E+00	3.69E-06	2.00E-06	2.10E-04
1503	494961.06, 3858551.99	0.05461	0.06426	0.04284	0.02301	2.21E-04	1.92E-03	2.73E-04	7.27E-05	2.48E-03	2.01E-04	0.00E+00	3.64E-06	1.98E-06	2.06E-04
1504	495011.06, 3858551.99	0.05349	0.06304	0.04216	0.02278	2.16E-04	1.88E-03	2.69E-04	7.19E-05	2.44E-03	1.97E-04	0.00E+00	3.59E-06	1.96E-06	2.02E-04
1505	495061.06, 3858551.99	0.05279	0.06224	0.04167	0.02261	2.13E-04	1.86E-03	2.66E-04	7.14E-05	2.41E-03	1.94E-04	0.00E+00	3.54E-06	1.95E-06	2.00E-04
1506	495111.06, 3858551.99	0.05145	0.06081	0.04089	0.02236	2.08E-04	1.81E-03	2.61E-04	7.06E-05	2.35E-03	1.89E-04	0.00E+00	3.48E-06	1.93E-06	1.95E-04
1507	495161.06, 3858551.99	0.05063	0.05986	0.04039	0.02216	2.05E-04	1.79E-03	2.58E-04	7.00E-05	2.32E-03	1.86E-04	0.00E+00	3.44E-06	1.91E-06	1.91E-04
1508	495211.06, 3858551.99	0.04991	0.05901	0.03994	0.02199	2.02E-04	1.76E-03	2.55E-04	6.94E-05	2.29E-03	1.83E-04	0.00E+00	3.40E-06	1.89E-06	1.89E-04
1509	495261.06, 3858551.99	0.04945	0.05838	0.0396	0.02184	2.00E-04	1.74E-03	2.53E-04	6.90E-05	2.26E-03	1.82E-04	0.00E+00	3.37E-06	1.88E-06	1.87E-04
1510	495311.06, 3858551.99	0.04926	0.05799	0.03938	0.02172	1.99E-04	1.73E-03	2.51E-04	6.86E-05	2.25E-03	1.81E-04	0.00E+00	3.35E-06	1.87E-06	1.86E-04
1511	495361.06, 3858551.99	0.04902	0.05756	0.03913	0.0216	1.98E-04	1.72E-03	2.50E-04	6.82E-05	2.23E-03	1.80E-04	0.00E+00	3.33E-06	1.86E-06	1.85E-04
1512	495411.06, 3858551.99	0.04895	0.05728	0.03896	0.02149	1.98E-04	1.71E-03	2.49E-04	6.79E-05	2.22E-03	1.80E-04	0.00E+00	3.31E-06	1.85E-06	1.85E-04
1513	495461.06, 3858551.99	0.04877	0.05691	0.03874	0.02137	1.97E-04	1.70E-03	2.47E-04	6.75E-05	2.21E-03	1.79E-04	0.00E+00	3.29E-06	1.84E-06	1.84E-04
1514	495511.06, 3858551.99	0.04872	0.05666	0.03857	0.02128	1.97E-04	1.69E-03	2.46E-04	6.72E-05	2.20E-03	1.79E-04	0.00E+00	3.28E-06	1.83E-06	1.84E-04
1515	495561.06, 3858551.99	0.04853	0.05628	0.03835	0.02116	1.96E-04	1.68E-03	2.45E-04	6.68E-05	2.19E-03	1.78E-04	0.00E+00	3.26E-06	1.82E-06	1.84E-04
1516	495611.06, 3858551.99	0.04827	0.05585	0.03809	0.02104	1.95E-04	1.67E-03	2.43E-04	6.64E-05	2.17E-03	1.77E-04	0.00E+00	3.24E-06	1.81E-06	1.83E-04
1517	495661.06, 3858551.99	0.04796	0.05538	0.0378	0.02091	1.94E-04	1.65E-03	2.41E-04	6.60E-05	2.15E-03	1.76E-04	0.00E+00	3.21E-06	1.80E-06	1.81E-04
1518	494311.06, 3858601.99	0.05735	0.07191	0.04621	0.02489	2.32E-04	2.15E-03	2.95E-04	7.86E-05	2.75E-03	2.11E-04	0.00E+00	3.93E-06	2.14E-06	2.17E-04
1519	494361.06, 3858601.99	0.06091	0.07459	0.04908	0.02531	2.46E-04	2.23E-03	3.13E-04	7.99E-05	2.86E-03	2.24E-04	0.00E+00	4.17E-06	2.18E-06	2.30E-04
1520	494411.06, 3858601.99	0.06306	0.07651	0.04957	0.02544	2.55E-04	2.28E-03	3.16E-04	8.03E-05	2.93E-03	2.32E-04	0.00E+00	4.22E-06	2.19E-06	2.38E-04
1521	494461.06, 3858601.99	0.06296	0.07609	0.0493	0.02531	2.54E-04	2.27E-03	3.14E-04	7.99E-05	2.92E-03	2.31E-04	0.00E+00	4.19E-06	2.18E-06	2.38E-04
1522	494511.06, 3858601.99	0.0623	0.07489	0.04899	0.02515	2.52E-04	2.23E-03	3.12E-04	7.94E-05	2.88E-03	2.29E-04	0.00E+00	4.17E-06	2.17E-06	2.35E-04
1523	494561.06, 3858601.99	0.06238	0.0749	0.04855	0.02499	2.52E-04	2.23E-03	3.10E-04	7.89E-05	2.88E-03	2.29E-04	0.00E+00	4.13E-06	2.15E-06	2.36E-04
1524	494611.06, 3858601.99	0.0616	0.07387	0.04794	0.02476	2.49E-04	2.20E-03	3.06E-04	7.82E-05	2.84E-03	2.26E-04	0.00E+00	4.08E-06	2.13E-06	2.33E-04
1525	494661.06, 3858601.99	0.06106	0.07306	0.04747	0.02456	2.47E-04	2.18E-03	3.03E-04	7.75E-05	2.81E-03	2.24E-04	0.00E+00	4.04E-06	2.11E-06	2.31E-04
1526	494711.06, 3858601.99	0.06017	0.07193	0.04681	0.02432	2.43E-04	2.15E-03	2.99E-04	7.68E-05	2.76E-03	2.21E-04	0.00E+00	3.98E-06	2.09E-06	2.27E-04
1527	494761.06, 3858601.99	0.05927	0.07082	0.04601	0.02409	2.40E-04	2.11E-03	2.93E-04	7.61E-05	2.72E-03	2.18E-04	0.00E+00	3.91E-06	2.07E-06	2.24E-04
1528	494811.06, 3858601.99	0.0579	0.06925	0.04493	0.02379	2.34E-04	2.07E-03	2.87E-04	7.51E-05	2.66E-03	2.13E-04	0.00E+00	3.82E-06	2.05E-06	2.19E-04
1529	494861.06, 3858601.99	0.05721	0.06835	0.04431	0.02359	2.31E-04	2.04E-03	2.83E-04	7.45E-05	2.63E-03	2.10E-04	0.00E+00	3.77E-06	2.03E-06	2.16E-04
1530	494911.06, 3858601.99	0.05594	0.06693	0.04325	0.02332	2.26E-04	2.00E-03	2.76E-04	7.36E-05	2.57E-03	2.06E-04	0.00E+00	3.68E-06	2.01E-06	2.11E-04
1531	494961.06, 3858601.99	0.05508	0.06587	0.04265	0.02311	2.23E-04	1.97E-03	2.72E-04	7.30E-05	2.53E-03	2.03E-04	0.00E+00	3.63E-06	1.99E-06	2.08E-04
1532	495011.06, 3858601.99	0.05418	0.0648	0.04199	0.02289	2.19E-04	1.93E-03	2.68E-04	7.23E-05	2.49E-03	1.99E-04	0.00E+00	3.57E-06	1.97E-06	2.05E-04

1533	495061.06, 3858601.99	0.05323	0.06369	0.04134	0.02267	2.15E-04	1.90E-03	2.64E-04	7.16E-05	2.45E-03	1.96E-04	0.00E+00	3.52E-06	1.95E-06	2.01E-04
1534	495111.06, 3858601.99	0.05174	0.06217	0.04048	0.02241	2.09E-04	1.85E-03	2.58E-04	7.08E-05	2.39E-03	1.90E-04	0.00E+00	3.44E-06	1.93E-06	1.96E-04
1535	495161.06, 3858601.99	0.05103	0.06128	0.03996	0.02222	2.06E-04	1.83E-03	2.55E-04	7.02E-05	2.36E-03	1.88E-04	0.00E+00	3.40E-06	1.91E-06	1.93E-04
1536	495211.06, 3858601.99	0.0506	0.06066	0.03963	0.02207	2.05E-04	1.81E-03	2.53E-04	6.97E-05	2.34E-03	1.86E-04	0.00E+00	3.37E-06	1.90E-06	1.91E-04
1537	495261.06, 3858601.99	0.05009	0.05994	0.03928	0.02191	2.02E-04	1.79E-03	2.51E-04	6.92E-05	2.31E-03	1.84E-04	0.00E+00	3.34E-06	1.89E-06	1.89E-04
1538	495311.06, 3858601.99	0.04975	0.0594	0.03899	0.02176	2.01E-04	1.77E-03	2.49E-04	6.87E-05	2.29E-03	1.83E-04	0.00E+00	3.32E-06	1.87E-06	1.88E-04
1539	495361.06, 3858601.99	0.04959	0.05903	0.03878	0.02165	2.00E-04	1.76E-03	2.47E-04	6.84E-05	2.28E-03	1.82E-04	0.00E+00	3.30E-06	1.86E-06	1.87E-04
1540	495411.06, 3858601.99	0.04944	0.05867	0.03858	0.02153	2.00E-04	1.75E-03	2.46E-04	6.80E-05	2.26E-03	1.82E-04	0.00E+00	3.28E-06	1.85E-06	1.87E-04
1541	495461.06, 3858601.99	0.04934	0.05835	0.03839	0.02142	1.99E-04	1.74E-03	2.45E-04	6.76E-05	2.25E-03	1.81E-04	0.00E+00	3.26E-06	1.84E-06	1.87E-04
1542	495511.06, 3858601.99	0.04898	0.05781	0.03811	0.02129	1.98E-04	1.72E-03	2.43E-04	6.72E-05	2.23E-03	1.80E-04	0.00E+00	3.24E-06	1.83E-06	1.85E-04
1543	495561.06, 3858601.99	0.04899	0.0576	0.03797	0.02119	1.98E-04	1.72E-03	2.42E-04	6.69E-05	2.23E-03	1.80E-04	0.00E+00	3.23E-06	1.82E-06	1.85E-04
1544	495611.06, 3858601.99	0.04854	0.05698	0.03766	0.02105	1.96E-04	1.70E-03	2.40E-04	6.65E-05	2.20E-03	1.78E-04	0.00E+00	3.20E-06	1.81E-06	1.83E-04
1545	495661.06, 3858601.99	0.04847	0.05671	0.0375	0.02095	1.96E-04	1.69E-03	2.39E-04	6.61E-05	2.19E-03	1.78E-04	0.00E+00	3.19E-06	1.80E-06	1.83E-04
1546	494311.06, 3858651.99	0.05641	0.07255	0.0452	0.02486	2.28E-04	2.16E-03	2.88E-04	7.85E-05	2.76E-03	2.07E-04	0.00E+00	3.84E-06	2.14E-06	2.13E-04
1547	494361.06, 3858651.99	0.05988	0.07521	0.04807	0.02528	2.42E-04	2.24E-03	3.07E-04	7.98E-05	2.87E-03	2.20E-04	0.00E+00	4.09E-06	2.18E-06	2.26E-04
1548	494411.06, 3858651.99	0.06354	0.07836	0.05032	0.02572	2.57E-04	2.34E-03	3.21E-04	8.12E-05	3.00E-03	2.34E-04	0.00E+00	4.28E-06	2.21E-06	2.40E-04
1549	494461.06, 3858651.99	0.0637	0.07846	0.04942	0.02552	2.57E-04	2.34E-03	3.15E-04	8.06E-05	2.99E-03	2.34E-04	0.00E+00	4.20E-06	2.20E-06	2.41E-04
1550	494511.06, 3858651.99	0.06329	0.07771	0.04896	0.02534	2.56E-04	2.32E-03	3.12E-04	8.00E-05	2.97E-03	2.33E-04	0.00E+00	4.16E-06	2.18E-06	2.39E-04
1551	494561.06, 3858651.99	0.06307	0.07716	0.04863	0.02519	2.55E-04	2.30E-03	3.10E-04	7.95E-05	2.95E-03	2.32E-04	0.00E+00	4.14E-06	2.17E-06	2.38E-04
1552	494611.06, 3858651.99	0.06266	0.07644	0.04819	0.02501	2.53E-04	2.28E-03	3.07E-04	7.90E-05	2.92E-03	2.30E-04	0.00E+00	4.10E-06	2.15E-06	2.37E-04
1553	494661.06, 3858651.99	0.06195	0.07543	0.04758	0.02479	2.50E-04	2.25E-03	3.03E-04	7.83E-05	2.88E-03	2.28E-04	0.00E+00	4.05E-06	2.13E-06	2.34E-04
1554	494711.06, 3858651.99	0.06092	0.07408	0.0468	0.02453	2.46E-04	2.21E-03	2.99E-04	7.75E-05	2.83E-03	2.24E-04	0.00E+00	3.98E-06	2.11E-06	2.30E-04
1555	494761.06, 3858651.99	0.06014	0.07302	0.0462	0.02431	2.43E-04	2.18E-03	2.95E-04	7.68E-05	2.79E-03	2.21E-04	0.00E+00	3.93E-06	2.09E-06	2.27E-04
1556	494811.06, 3858651.99	0.05893	0.07156	0.0454	0.024	2.38E-04	2.13E-03	2.90E-04	7.58E-05	2.74E-03	2.17E-04	0.00E+00	3.86E-06	2.07E-06	2.23E-04
1557	494861.06, 3858651.99	0.05783	0.07023	0.0445	0.02374	2.34E-04	2.10E-03	2.84E-04	7.50E-05	2.69E-03	2.13E-04	0.00E+00	3.78E-06	2.04E-06	2.18E-04
1558	494911.06, 3858651.99	0.05659	0.06877	0.04352	0.02345	2.29E-04	2.05E-03	2.78E-04	7.40E-05	2.63E-03	2.08E-04	0.00E+00	3.70E-06	2.02E-06	2.14E-04
1559	494961.06, 3858651.99	0.0555	0.06747	0.04263	0.0232	2.24E-04	2.01E-03	2.72E-04	7.33E-05	2.58E-03	2.04E-04	0.00E+00	3.63E-06	2.00E-06	2.10E-04
1560	495011.06, 3858651.99	0.05467	0.06643	0.04186	0.02298	2.21E-04	1.98E-03	2.67E-04	7.26E-05	2.54E-03	2.01E-04	0.00E+00	3.56E-06	1.98E-06	2.07E-04
1561	495061.06, 3858651.99	0.05372	0.06527	0.04122	0.02276	2.17E-04	1.95E-03	2.63E-04	7.19E-05	2.50E-03	1.98E-04	0.00E+00	3.51E-06	1.96E-06	2.03E-04
1562	495111.06, 3858651.99	0.05258	0.064	0.04042	0.0225	2.13E-04	1.91E-03	2.58E-04	7.10E-05	2.45E-03	1.93E-04	0.00E+00	3.44E-06	1.94E-06	1.99E-04
1563	495161.06, 3858651.99	0.0519	0.06308	0.03994	0.02231	2.10E-04	1.88E-03	2.55E-04	7.04E-05	2.42E-03	1.91E-04	0.00E+00	3.40E-06	1.92E-06	1.96E-04
1564	495211.06, 3858651.99	0.05108	0.06208	0.03941	0.02212	2.06E-04	1.85E-03	2.51E-04	6.98E-05	2.38E-03	1.88E-04	0.00E+00	3.35E-06	1.90E-06	1.93E-04
1565	495261.06, 3858651.99	0.05091	0.06168	0.03919	0.02199	2.06E-04	1.84E-03	2.50E-04	6.94E-05	2.37E-03	1.87E-04	0.00E+00	3.33E-06	1.89E-06	1.92E-04
1566	495311.06, 3858651.99	0.05054	0.06109	0.03886	0.02185	2.04E-04	1.82E-03	2.48E-04	6.90E-05	2.34E-03	1.86E-04	0.00E+00	3.30E-06	1.88E-06	1.91E-04
1567	495361.06, 3858651.99	0.05031	0.06068	0.03863	0.02173	2.03E-04	1.81E-03	2.46E-04	6.86E-05	2.33E-03	1.85E-04	0.00E+00	3.29E-06	1.87E-06	1.90E-04
1568	495411.06, 3858651.99	0.05029	0.06036	0.03847	0.02162	2.03E-04	1.80E-03	2.45E-04	6.83E-05	2.32E-03	1.85E-04	0.00E+00	3.27E-06	1.86E-06	1.90E-04
1569	495461.06, 3858651.99	0.05033	0.06016	0.03835	0.02152	2.03E-04	1.79E-03	2.45E-04	6.79E-05	2.31E-03	1.85E-04	0.00E+00	3.26E-06	1.85E-06	1.90E-04
1570	495511.06, 3858651.99	0.04982	0.05952	0.038	0.02137	2.01E-04	1.78E-03	2.42E-04	6.75E-05	2.29E-03	1.83E-04	0.00E+00	3.23E-06	1.84E-06	1.88E-04
1571	495561.06, 3858651.99	0.04952	0.05902	0.0377	0.02124	2.00E-04	1.76E-03	2.40E-04	6.71E-05	2.27E-03	1.82E-04	0.00E+00	3.21E-06	1.83E-06	1.87E-04
1572	495611.06, 3858651.99	0.04899	0.05831	0.03732	0.02108	1.98E-04	1.74E-03	2.38E-04	6.66E-05	2.24E-03	1.80E-04	0.00E+00	3.17E-06	1.82E-06	1.85E-04
1573	495661.06, 3858651.99	0.04889	0.058	0.03715	0.02097	1.98E-04	1.73E-03	2.37E-04	6.62E-05	2.23E-03	1.80E-04	0.00E+00	3.16E-06	1.81E-06	1.85E-04
1574	494311.06, 3858701.99	0.05693	0.07457	0.04538	0.02502	2.30E-04	2.22E-03	2.89E-04	7.90E-05	2.82E-03	2.09E-04	0.00E+00	3.86E-06	2.15E-06	2.15E-04
1575	494361.06, 3858701.99	0.0616	0.07849	0.04888	0.02568	2.49E-04	2.34E-03	3.12E-04	8.11E-05	2.98E-03	2.26E-04	0.00E+00	4.16E-06	2.21E-06	2.33E-04
1576	494411.06, 3858701.99	0.06415	0.08069	0.05071	0.02595	2.59E-04	2.41E-03	3.23E-04	8.19E-05	3.07E-03	2.36E-04	0.00E+00	4.31E-06	2.23E-06	2.42E-04
1577	494461.06, 3858701.99	0.06424	0.08041	0.05062	0.02584	2.60E-04	2.40E-03	3.23E-04	8.16E-05	3.06E-03	2.36E-04	0.00E+00	4.31E-06	2.23E-06	2.43E-04
1578	494511.06, 3858701.99	0.06403	0.08013	0.04921	0.02555	2.59E-04	2.39E-03	3.14E-04	8.07E-05	3.04E-03	2.35E-04	0.00E+00	4.19E-06	2.20E-06	2.42E-04
1579	494561.06, 3858701.99	0.06367	0.0794	0.04879	0.02538	2.57E-04	2.37E-03	3.11E-04	8.01E-05	3.02E-03	2.34E-04	0.00E+00	4.15E-06	2.19E-06	2.40E-04
1580	494611.06, 3858701.99	0.06244	0.07779	0.0478	0.02508	2.52E-04	2.32E-03	3.05E-04	7.92E-05	2.96E-03	2.30E-04	0.00E+00	4.07E-06	2.16E-06	2.36E-04
1581	494661.06, 3858701.99	0.06244	0.07745	0.04763	0.02495	2.52E-04	2.31E-03	3.04E-04	7.88E-05	2.95E-03	2.30E-04	0.00E+00	4.05E-06	2.15E-06	2.36E-04
1582	494711.06, 3858701.99	0.05968	0.07433	0.04576	0.02443	2.41E-04	2.22E-03	2.92E-04	7.71E-05	2.83E-03	2.19E-04	0.00E+00	3.89E-06	2.10E-06	2.25E-04
1583	494761.06, 3858701.99	0.06035	0.0747	0.04598	0.02441	2.44E-04	2.23E-03	2.93E-04	7.71E-05	2.84E-03	2.22E-04	0.00E+00	3.91E-06	2.10E-06	2.28E-04
1584	494811.06, 3858701.99	0.05944	0.07316	0.04513	0.02412	2.40E-04	2.18E-03	2.88E-04	7.62E-05	2.79E-03	2.19E-04	0.00E+00	3.84E-06	2.08E-06	2.24E-04
1585	494861.06, 3858701.99	0.05821	0.07193	0.04445	0.02386	2.35E-04	2.15E-03	2.84E-04	7.53E-05	2.74E-03	2.14E-04	0.00E+00	3.78E-06	2.05E-06	2.20E-04
1586	494911.06, 3858701.99	0.0574	0.07083	0.04388	0.02362	2.32E-04	2.11E-03	2.80E-04	7.46E-05	2.70E-03	2.11E-04	0.00E+00	3.73E-06	2.03E-06	2.17E-04
1587	494961.06, 3858701.99	0.0557	0.0689	0.04252	0.02325	2.25E-04	2.06E-03	2.71E-04	7.34E-05	2.63E-03	2.05E-04	0.00E+00	3.62E-06	2.00E-06	2.10E-04
1588	495011.06, 3858701.99	0.05467	0.06761	0.04174	0.023	2.21E-04	2.02E-03	2.66E-04	7.26E-05	2.58E-03	2.01E-04	0.00E+00	3.55E-06	1.98E-06	2.07E-04
1589	495061.06, 3858701.99	0.05426	0.06694	0.04131	0.02284	2.19E-04	2.00E-03	2.63E-04	7.21E-05	2.55E-03	1.99E-04	0.00E+00	3.51E-06	1.97E-06	2.05E-04
1590	495111.06, 3858701.99	0.05304	0.06552	0.04034	0.02257	2.14E-04	1.95E-03	2.57E-04	7.13E-05	2.50E-03	1.95E-04	0.00E+00	3.43E-06	1.94E-06	2.00E-04
1591	495161.06, 3858701.99	0.05248	0.0647	0.03991	0.0224	2.12E-04	1.93E-03	2.55E-04	7.07E-05	2.47E-03	1.93E-04	0.00E+00	3.39E-06	1.93E-06	1.98E-04
1592	495211.06, 3858701.99	0.05168	0.06369	0.03933	0.02217	2.09E-04	1.90E-03	2.51E-04	7.00E-05	2.43E-03	1.90E-04	0.00E+00	3.34E-06	1.91E-06	1.95E-04
1593	495261.06, 3858701.99	0.05155	0.0633	0.03912	0.02205	2.08E-04	1.89E-03	2.50E-04	6.96E-05	2.42E-03	1.90E-04	0.00E+00	3.33E-06	1.90E-06	1.95E-04
1594	495311.06, 3858701.99	0.05143	0.06292	0.03893	0.02193	2.08E-04	1.88E-03	2.48E-04	6.92E-05	2.40E-03	1.89E-04	0.00E+00	3.31E-06	1.89E-06	1.94E-04
1595	495361.06, 3858701.99	0.05116	0.06241	0.03867	0.02179	2.07E-04	1.86E-03	2.47E-04	6.88E-05	2.38E-03	1.88E-04	0.00E+00	3.29E-06	1.88E-06	1.93E-04
1596	495411.06, 3858701.99	0.05116	0.06215	0.03854	0.02169	2.07E-04	1.85E-03	2.46E-04	6.85E-05	2.38E-03	1.88E-04	0.00E+00	3.28E-06	1.87E-06	1.93E-04

1597	495461.06, 3858701.99	0.05097	0.06172	0.03832	0.02157	2.06E-04	1.84E-03	2.44E-04	6.81E-05	2.36E-03	1.87E-04	0.00E+00	3.26E-06	1.86E-06	1.93E-04
1598	495511.06, 3858701.99	0.05064	0.06116	0.03801	0.02143	2.05E-04	1.82E-03	2.42E-04	6.77E-05	2.34E-03	1.86E-04	0.00E+00	3.23E-06	1.85E-06	1.91E-04
1599	495561.06, 3858701.99	0.05021	0.06052	0.03765	0.02128	2.03E-04	1.81E-03	2.40E-04	6.72E-05	2.32E-03	1.85E-04	0.00E+00	3.20E-06	1.83E-06	1.90E-04
1600	495611.06, 3858701.99	0.04977	0.05988	0.03732	0.02113	2.01E-04	1.79E-03	2.38E-04	6.67E-05	2.29E-03	1.83E-04	0.00E+00	3.17E-06	1.82E-06	1.88E-04
1601	495661.06, 3858701.99	0.04953	0.05943	0.03709	0.021	2.00E-04	1.77E-03	2.37E-04	6.63E-05	2.28E-03	1.82E-04	0.00E+00	3.15E-06	1.81E-06	1.87E-04
1602	494311.06, 3858751.99	0.05775	0.07667	0.04581	0.02531	2.33E-04	2.29E-03	2.92E-04	7.99E-05	2.89E-03	2.12E-04	0.00E+00	3.90E-06	2.18E-06	2.18E-04
1603	494361.06, 3858751.99	0.06298	0.08159	0.04974	0.02603	2.55E-04	2.43E-03	3.17E-04	8.22E-05	3.09E-03	2.32E-04	0.00E+00	4.23E-06	2.24E-06	2.38E-04
1604	494411.06, 3858751.99	0.06489	0.08324	0.05124	0.02624	2.62E-04	2.48E-03	3.27E-04	8.28E-05	3.16E-03	2.39E-04	0.00E+00	4.36E-06	2.26E-06	2.45E-04
1605	494461.06, 3858751.99	0.06496	0.08293	0.05115	0.02612	2.63E-04	2.47E-03	3.26E-04	8.25E-05	3.15E-03	2.39E-04	0.00E+00	4.35E-06	2.25E-06	2.45E-04
1606	494511.06, 3858751.99	0.06495	0.08285	0.0496	0.02582	2.63E-04	2.47E-03	3.16E-04	8.15E-05	3.13E-03	2.39E-04	0.00E+00	4.22E-06	2.22E-06	2.45E-04
1607	494561.06, 3858751.99	0.0644	0.08157	0.04941	0.02566	2.60E-04	2.43E-03	3.15E-04	8.10E-05	3.09E-03	2.37E-04	0.00E+00	4.20E-06	2.21E-06	2.43E-04
1608	494611.06, 3858751.99	0.06334	0.08014	0.04841	0.02534	2.56E-04	2.39E-03	3.09E-04	8.00E-05	3.04E-03	2.33E-04	0.00E+00	4.12E-06	2.18E-06	2.39E-04
1609	494661.06, 3858751.99	0.063	0.07935	0.04831	0.0252	2.55E-04	2.37E-03	3.08E-04	7.96E-05	3.01E-03	2.32E-04	0.00E+00	4.11E-06	2.17E-06	2.38E-04
1610	494711.06, 3858751.99	0.06151	0.07744	0.04702	0.02484	2.49E-04	2.31E-03	3.00E-04	7.84E-05	2.94E-03	2.26E-04	0.00E+00	4.00E-06	2.14E-06	2.32E-04
1611	494761.06, 3858751.99	0.06089	0.07672	0.04605	0.02456	2.46E-04	2.29E-03	2.94E-04	7.75E-05	2.91E-03	2.24E-04	0.00E+00	3.92E-06	2.11E-06	2.30E-04
1612	494811.06, 3858751.99	0.05959	0.07504	0.04507	0.02424	2.41E-04	2.24E-03	2.87E-04	7.65E-05	2.84E-03	2.19E-04	0.00E+00	3.83E-06	2.09E-06	2.25E-04
1613	494861.06, 3858751.99	0.05846	0.07353	0.04423	0.02395	2.36E-04	2.19E-03	2.82E-04	7.56E-05	2.79E-03	2.15E-04	0.00E+00	3.76E-06	2.06E-06	2.21E-04
1614	494911.06, 3858751.99	0.05719	0.07194	0.04336	0.02365	2.31E-04	2.15E-03	2.77E-04	7.47E-05	2.73E-03	2.10E-04	0.00E+00	3.69E-06	2.04E-06	2.16E-04
1615	494961.06, 3858751.99	0.05631	0.07075	0.04274	0.02338	2.28E-04	2.11E-03	2.73E-04	7.38E-05	2.68E-03	2.07E-04	0.00E+00	3.63E-06	2.01E-06	2.13E-04
1616	495011.06, 3858751.99	0.05574	0.06987	0.0423	0.02318	2.25E-04	2.08E-03	2.70E-04	7.32E-05	2.65E-03	2.05E-04	0.00E+00	3.60E-06	2.00E-06	2.11E-04
1617	495061.06, 3858751.99	0.05481	0.06867	0.04152	0.02294	2.22E-04	2.05E-03	2.65E-04	7.24E-05	2.61E-03	2.02E-04	0.00E+00	3.53E-06	1.98E-06	2.07E-04
1618	495111.06, 3858751.99	0.05371	0.06728	0.04066	0.02266	2.17E-04	2.01E-03	2.59E-04	7.15E-05	2.56E-03	1.97E-04	0.00E+00	3.46E-06	1.95E-06	2.03E-04
1619	495161.06, 3858751.99	0.05311	0.06641	0.04011	0.02247	2.15E-04	1.98E-03	2.56E-04	7.09E-05	2.52E-03	1.95E-04	0.00E+00	3.41E-06	1.93E-06	2.01E-04
1620	495211.06, 3858751.99	0.05232	0.06537	0.03932	0.02226	2.11E-04	1.95E-03	2.51E-04	7.03E-05	2.48E-03	1.92E-04	0.00E+00	3.34E-06	1.92E-06	1.98E-04
1621	495261.06, 3858751.99	0.05215	0.06492	0.03911	0.02213	2.11E-04	1.94E-03	2.49E-04	6.99E-05	2.47E-03	1.92E-04	0.00E+00	3.33E-06	1.91E-06	1.97E-04
1622	495311.06, 3858751.99	0.05204	0.06454	0.03893	0.022	2.10E-04	1.93E-03	2.48E-04	6.95E-05	2.45E-03	1.91E-04	0.00E+00	3.31E-06	1.89E-06	1.97E-04
1623	495361.06, 3858751.99	0.05179	0.06403	0.03867	0.02187	2.09E-04	1.91E-03	2.47E-04	6.91E-05	2.44E-03	1.90E-04	0.00E+00	3.29E-06	1.88E-06	1.96E-04
1624	495411.06, 3858751.99	0.05187	0.06383	0.03859	0.02178	2.10E-04	1.90E-03	2.46E-04	6.88E-05	2.43E-03	1.91E-04	0.00E+00	3.28E-06	1.88E-06	1.96E-04
1625	495461.06, 3858751.99	0.05168	0.06339	0.03837	0.02165	2.09E-04	1.89E-03	2.45E-04	6.84E-05	2.41E-03	1.90E-04	0.00E+00	3.26E-06	1.86E-06	1.95E-04
1626	495511.06, 3858751.99	0.05134	0.0628	0.03807	0.0215	2.08E-04	1.87E-03	2.43E-04	6.79E-05	2.39E-03	1.89E-04	0.00E+00	3.24E-06	1.85E-06	1.94E-04
1627	495561.06, 3858751.99	0.05093	0.06216	0.03775	0.02135	2.06E-04	1.85E-03	2.41E-04	6.74E-05	2.37E-03	1.87E-04	0.00E+00	3.21E-06	1.84E-06	1.92E-04
1628	495611.06, 3858751.99	0.05052	0.06151	0.03744	0.02119	2.04E-04	1.84E-03	2.39E-04	6.69E-05	2.34E-03	1.86E-04	0.00E+00	3.18E-06	1.82E-06	1.91E-04
1629	495661.06, 3858751.99	0.0502	0.06097	0.03717	0.02105	2.03E-04	1.82E-03	2.37E-04	6.65E-05	2.33E-03	1.85E-04	0.00E+00	3.16E-06	1.81E-06	1.90E-04
1630	494311.06, 3858801.99	0.05967	0.08021	0.04661	0.02573	2.41E-04	2.39E-03	2.97E-04	8.12E-05	3.01E-03	2.19E-04	0.00E+00	3.96E-06	2.22E-06	2.26E-04
1631	494361.06, 3858801.99	0.06391	0.08436	0.05024	0.02636	2.58E-04	2.52E-03	3.20E-04	8.32E-05	3.18E-03	2.35E-04	0.00E+00	4.27E-06	2.27E-06	2.42E-04
1632	494411.06, 3858801.99	0.06494	0.08512	0.05101	0.02644	2.63E-04	2.54E-03	3.25E-04	8.35E-05	3.21E-03	2.39E-04	0.00E+00	4.34E-06	2.28E-06	2.45E-04
1633	494461.06, 3858801.99	0.06545	0.08533	0.05088	0.02634	2.65E-04	2.55E-03	3.25E-04	8.32E-05	3.22E-03	2.41E-04	0.00E+00	4.33E-06	2.27E-06	2.47E-04
1634	494511.06, 3858801.99	0.06553	0.08537	0.04963	0.02606	2.65E-04	2.55E-03	3.17E-04	8.23E-05	3.21E-03	2.41E-04	0.00E+00	4.22E-06	2.24E-06	2.47E-04
1635	494561.06, 3858801.99	0.06531	0.08473	0.04934	0.02589	2.64E-04	2.53E-03	3.15E-04	8.17E-05	3.19E-03	2.40E-04	0.00E+00	4.20E-06	2.23E-06	2.47E-04
1636	494611.06, 3858801.99	0.06478	0.08373	0.04883	0.02567	2.62E-04	2.50E-03	3.11E-04	8.10E-05	3.15E-03	2.38E-04	0.00E+00	4.15E-06	2.21E-06	2.45E-04
1637	494661.06, 3858801.99	0.06379	0.08219	0.04801	0.02536	2.58E-04	2.45E-03	3.06E-04	8.01E-05	3.10E-03	2.35E-04	0.00E+00	4.08E-06	2.18E-06	2.41E-04
1638	494711.06, 3858801.99	0.06258	0.08046	0.04704	0.02502	2.53E-04	2.40E-03	3.00E-04	7.90E-05	3.03E-03	2.30E-04	0.00E+00	4.00E-06	2.15E-06	2.36E-04
1639	494761.06, 3858801.99	0.06114	0.07851	0.04591	0.02466	2.47E-04	2.34E-03	2.93E-04	7.79E-05	2.96E-03	2.25E-04	0.00E+00	3.90E-06	2.12E-06	2.31E-04
1640	494811.06, 3858801.99	0.05963	0.07654	0.04477	0.02431	2.41E-04	2.28E-03	2.86E-04	7.68E-05	2.89E-03	2.19E-04	0.00E+00	3.81E-06	2.09E-06	2.25E-04
1641	494861.06, 3858801.99	0.05889	0.07539	0.04416	0.02407	2.38E-04	2.25E-03	2.82E-04	7.60E-05	2.84E-03	2.17E-04	0.00E+00	3.76E-06	2.07E-06	2.22E-04
1642	494911.06, 3858801.99	0.05769	0.07381	0.04328	0.02376	2.33E-04	2.20E-03	2.76E-04	7.50E-05	2.79E-03	2.12E-04	0.00E+00	3.68E-06	2.05E-06	2.18E-04
1643	494961.06, 3858801.99	0.05684	0.07256	0.04263	0.02351	2.30E-04	2.16E-03	2.72E-04	7.42E-05	2.74E-03	2.09E-04	0.00E+00	3.63E-06	2.02E-06	2.15E-04
1644	495011.06, 3858801.99	0.05592	0.0713	0.04198	0.02325	2.26E-04	2.13E-03	2.68E-04	7.34E-05	2.69E-03	2.06E-04	0.00E+00	3.57E-06	2.00E-06	2.11E-04
1645	495061.06, 3858801.99	0.05537	0.07043	0.04155	0.02304	2.24E-04	2.10E-03	2.65E-04	7.27E-05	2.66E-03	2.04E-04	0.00E+00	3.53E-06	1.98E-06	2.09E-04
1646	495111.06, 3858801.99	0.05415	0.06888	0.0407	0.02273	2.19E-04	2.05E-03	2.60E-04	7.18E-05	2.61E-03	1.99E-04	0.00E+00	3.46E-06	1.96E-06	2.05E-04
1647	495161.06, 3858801.99	0.05328	0.06772	0.04	0.02249	2.15E-04	2.02E-03	2.55E-04	7.10E-05	2.56E-03	1.96E-04	0.00E+00	3.40E-06	1.94E-06	2.01E-04
1648	495211.06, 3858801.99	0.05287	0.06701	0.03961	0.02231	2.14E-04	2.00E-03	2.53E-04	7.04E-05	2.54E-03	1.94E-04	0.00E+00	3.37E-06	1.92E-06	2.00E-04
1649	495261.06, 3858801.99	0.05273	0.06654	0.03942	0.02218	2.13E-04	1.99E-03	2.51E-04	7.00E-05	2.52E-03	1.94E-04	0.00E+00	3.35E-06	1.91E-06	1.99E-04
1650	495311.06, 3858801.99	0.05268	0.06623	0.03927	0.02207	2.13E-04	1.98E-03	2.50E-04	6.97E-05	2.51E-03	1.94E-04	0.00E+00	3.34E-06	1.90E-06	1.99E-04
1651	495361.06, 3858801.99	0.05247	0.06571	0.03905	0.02193	2.12E-04	1.96E-03	2.49E-04	6.92E-05	2.49E-03	1.93E-04	0.00E+00	3.32E-06	1.89E-06	1.98E-04
1652	495411.06, 3858801.99	0.0527	0.06567	0.03907	0.02186	2.13E-04	1.96E-03	2.49E-04	6.90E-05	2.49E-03	1.94E-04	0.00E+00	3.32E-06	1.88E-06	1.99E-04
1653	495461.06, 3858801.99	0.05244	0.06514	0.03879	0.02172	2.12E-04	1.94E-03	2.47E-04	6.86E-05	2.47E-03	1.93E-04	0.00E+00	3.30E-06	1.87E-06	1.98E-04
1654	495511.06, 3858801.99	0.05202	0.06444	0.03847	0.02155	2.10E-04	1.92E-03	2.45E-04	6.80E-05	2.45E-03	1.91E-04	0.00E+00	3.27E-06	1.86E-06	1.96E-04
1655	495561.06, 3858801.99	0.05169	0.06385	0.0382	0.0214	2.09E-04	1.90E-03	2.44E-04	6.76E-05	2.43E-03	1.90E-04	0.00E+00	3.25E-06	1.84E-06	1.95E-04
1656	495611.06, 3858801.99	0.05115	0.06306	0.0377	0.02123	2.07E-04	1.88E-03	2.40E-04	6.70E-05	2.40E-03	1.88E-04	0.00E+00	3.21E-06	1.83E-06	1.93E-04
1657	495661.06, 3858801.99	0.05093	0.0626	0.03745	0.0211	2.06E-04	1.87E-03	2.39E-04	6.66E-05	2.38E-03	1.87E-04	0.00E+00	3.19E-06	1.82E-06	1.92E-04
1658	494311.06, 3858851.99	0.06373	0.08638	0.04934	0.02661	2.58E-04	2.58E-03	3.15E-04	8.40E-05	3.23E-03	2.34E-04	0.00E+00	4.20E-06	2.29E-06	2.41E-04
1659	494361.06, 3858851.99	0.06604	0.08877	0.05152	0.02696	2.67E-04	2.65E-03	3.29E-04	8.51E-05	3.33E-03	2.43E-04	0.00E+00	4.38E-06	2.32E-06	2.49E-04
1660	494411.06, 3858851.99	0.06592	0.08822	0.05134	0.02679	2.66E-04	2.63E-03	3.27E-04	8.46E-05	3.31E-03	2.42E-04	0.00E+00	4.37E-06	2.31E-06	2.49E-04

1661	494461.06, 3858851.99	0.06611	0.08806	0.05091	0.02662	2.67E-04	2.63E-03	3.25E-04	8.40E-05	3.30E-03	2.43E-04	0.00E+00	4.33E-06	2.29E-06	2.50E-04
1662	494511.06, 3858851.99	0.06591	0.08775	0.04928	0.02624	2.66E-04	2.62E-03	3.14E-04	8.28E-05	3.28E-03	2.42E-04	0.00E+00	4.19E-06	2.26E-06	2.49E-04
1663	494561.06, 3858851.99	0.06557	0.08694	0.04896	0.02605	2.65E-04	2.59E-03	3.12E-04	8.22E-05	3.25E-03	2.41E-04	0.00E+00	4.16E-06	2.24E-06	2.47E-04
1664	494611.06, 3858851.99	0.06488	0.08568	0.04839	0.02579	2.62E-04	2.56E-03	3.09E-04	8.14E-05	3.21E-03	2.39E-04	0.00E+00	4.12E-06	2.22E-06	2.45E-04
1665	494661.06, 3858851.99	0.06396	0.08417	0.04767	0.0255	2.59E-04	2.51E-03	3.04E-04	8.05E-05	3.15E-03	2.35E-04	0.00E+00	4.05E-06	2.20E-06	2.41E-04
1666	494711.06, 3858851.99	0.06255	0.08209	0.0466	0.02512	2.53E-04	2.45E-03	2.97E-04	7.93E-05	3.08E-03	2.30E-04	0.00E+00	3.96E-06	2.16E-06	2.36E-04
1667	494761.06, 3858851.99	0.06119	0.08014	0.04556	0.02474	2.47E-04	2.39E-03	2.91E-04	7.81E-05	3.01E-03	2.25E-04	0.00E+00	3.87E-06	2.13E-06	2.31E-04
1668	494811.06, 3858851.99	0.06007	0.07851	0.04469	0.02442	2.43E-04	2.34E-03	2.85E-04	7.71E-05	2.95E-03	2.21E-04	0.00E+00	3.80E-06	2.10E-06	2.27E-04
1669	494861.06, 3858851.99	0.05938	0.07738	0.04411	0.02418	2.40E-04	2.31E-03	2.81E-04	7.63E-05	2.91E-03	2.18E-04	0.00E+00	3.75E-06	2.08E-06	2.24E-04
1670	494911.06, 3858851.99	0.05834	0.07587	0.04331	0.0239	2.36E-04	2.26E-03	2.76E-04	7.55E-05	2.85E-03	2.14E-04	0.00E+00	3.68E-06	2.06E-06	2.20E-04
1671	494961.06, 3858851.99	0.05744	0.07455	0.04262	0.02363	2.32E-04	2.22E-03	2.72E-04	7.46E-05	2.80E-03	2.11E-04	0.00E+00	3.62E-06	2.03E-06	2.17E-04
1672	495011.06, 3858851.99	0.05673	0.07345	0.04207	0.02339	2.29E-04	2.19E-03	2.68E-04	7.39E-05	2.76E-03	2.09E-04	0.00E+00	3.58E-06	2.01E-06	2.14E-04
1673	495061.06, 3858851.99	0.05586	0.0722	0.04143	0.02314	2.26E-04	2.15E-03	2.64E-04	7.31E-05	2.72E-03	2.05E-04	0.00E+00	3.52E-06	1.99E-06	2.11E-04
1674	495111.06, 3858851.99	0.0542	0.07012	0.04036	0.02275	2.19E-04	2.09E-03	2.57E-04	7.18E-05	2.64E-03	1.99E-04	0.00E+00	3.43E-06	1.96E-06	2.05E-04
1675	495161.06, 3858851.99	0.05337	0.06895	0.03981	0.0225	2.16E-04	2.06E-03	2.54E-04	7.10E-05	2.60E-03	1.96E-04	0.00E+00	3.39E-06	1.94E-06	2.02E-04
1676	495211.06, 3858851.99	0.05351	0.06876	0.03978	0.02241	2.16E-04	2.05E-03	2.54E-04	7.08E-05	2.59E-03	1.97E-04	0.00E+00	3.38E-06	1.93E-06	2.02E-04
1677	495261.06, 3858851.99	0.05336	0.06829	0.03959	0.02227	2.16E-04	2.04E-03	2.53E-04	7.03E-05	2.58E-03	1.96E-04	0.00E+00	3.37E-06	1.92E-06	2.01E-04
1678	495311.06, 3858851.99	0.05339	0.06801	0.0395	0.02217	2.16E-04	2.03E-03	2.52E-04	7.00E-05	2.57E-03	1.96E-04	0.00E+00	3.36E-06	1.91E-06	2.02E-04
1679	495361.06, 3858851.99	0.05328	0.06759	0.03934	0.02204	2.15E-04	2.02E-03	2.51E-04	6.96E-05	2.55E-03	1.96E-04	0.00E+00	3.35E-06	1.90E-06	2.01E-04
1680	495411.06, 3858851.99	0.05317	0.06719	0.03917	0.02192	2.15E-04	2.00E-03	2.50E-04	6.92E-05	2.54E-03	1.95E-04	0.00E+00	3.33E-06	1.89E-06	2.01E-04
1681	495461.06, 3858851.99	0.05312	0.06684	0.03904	0.0218	2.15E-04	1.99E-03	2.49E-04	6.88E-05	2.53E-03	1.95E-04	0.00E+00	3.32E-06	1.88E-06	2.00E-04
1682	495511.06, 3858851.99	0.05297	0.06621	0.03907	0.02173	2.14E-04	1.98E-03	2.49E-04	6.86E-05	2.51E-03	1.95E-04	0.00E+00	3.32E-06	1.87E-06	2.00E-04
1683	495561.06, 3858851.99	0.05211	0.06526	0.03823	0.02144	2.11E-04	1.95E-03	2.44E-04	6.77E-05	2.47E-03	1.92E-04	0.00E+00	3.25E-06	1.85E-06	1.97E-04
1684	495611.06, 3858851.99	0.05152	0.06441	0.03778	0.02125	2.08E-04	1.92E-03	2.41E-04	6.71E-05	2.44E-03	1.89E-04	0.00E+00	3.21E-06	1.83E-06	1.94E-04
1685	495661.06, 3858851.99	0.05145	0.06406	0.03764	0.02113	2.08E-04	1.91E-03	2.40E-04	6.67E-05	2.43E-03	1.89E-04	0.00E+00	3.20E-06	1.82E-06	1.94E-04
1686	494311.06, 3858901.99	0.065	0.08981	0.04943	0.02699	2.63E-04	2.68E-03	3.15E-04	8.52E-05	3.34E-03	2.39E-04	0.00E+00	4.20E-06	2.32E-06	2.46E-04
1687	494361.06, 3858901.99	0.06663	0.0916	0.0507	0.02721	2.69E-04	2.73E-03	3.23E-04	8.59E-05	3.41E-03	2.45E-04	0.00E+00	4.31E-06	2.34E-06	2.52E-04
1688	494411.06, 3858901.99	0.06678	0.09142	0.05075	0.0271	2.70E-04	2.73E-03	3.24E-04	8.56E-05	3.41E-03	2.46E-04	0.00E+00	4.32E-06	2.33E-06	2.52E-04
1689	494461.06, 3858901.99	0.06679	0.0914	0.04904	0.02668	2.70E-04	2.73E-03	3.13E-04	8.42E-05	3.39E-03	2.46E-04	0.00E+00	4.17E-06	2.30E-06	2.52E-04
1690	494511.06, 3858901.99	0.06674	0.09095	0.04894	0.02652	2.70E-04	2.71E-03	3.12E-04	8.37E-05	3.38E-03	2.45E-04	0.00E+00	4.16E-06	2.28E-06	2.52E-04
1691	494561.06, 3858901.99	0.06605	0.08955	0.04846	0.02625	2.67E-04	2.67E-03	3.09E-04	8.29E-05	3.33E-03	2.43E-04	0.00E+00	4.12E-06	2.26E-06	2.49E-04
1692	494611.06, 3858901.99	0.06474	0.08739	0.04758	0.02586	2.62E-04	2.61E-03	3.03E-04	8.16E-05	3.25E-03	2.38E-04	0.00E+00	4.05E-06	2.23E-06	2.44E-04
1693	494661.06, 3858901.99	0.06406	0.08612	0.04707	0.0256	2.59E-04	2.57E-03	3.00E-04	8.08E-05	3.21E-03	2.36E-04	0.00E+00	4.00E-06	2.20E-06	2.42E-04
1694	494711.06, 3858901.99	0.06283	0.08416	0.04619	0.02524	2.54E-04	2.51E-03	2.95E-04	7.97E-05	3.14E-03	2.31E-04	0.00E+00	3.93E-06	2.17E-06	2.37E-04
1695	494761.06, 3858901.99	0.06134	0.08192	0.04512	0.02484	2.48E-04	2.44E-03	2.88E-04	7.84E-05	3.06E-03	2.26E-04	0.00E+00	3.84E-06	2.14E-06	2.31E-04
1696	494811.06, 3858901.99	0.0605	0.08054	0.04447	0.02455	2.45E-04	2.40E-03	2.84E-04	7.75E-05	3.01E-03	2.22E-04	0.00E+00	3.78E-06	2.11E-06	2.28E-04
1697	494861.06, 3858901.99	0.05989	0.07945	0.04398	0.02431	2.42E-04	2.37E-03	2.81E-04	7.68E-05	2.97E-03	2.20E-04	0.00E+00	3.74E-06	2.09E-06	2.26E-04
1698	494911.06, 3858901.99	0.0584	0.07736	0.0429	0.02393	2.36E-04	2.31E-03	2.74E-04	7.56E-05	2.89E-03	2.15E-04	0.00E+00	3.65E-06	2.06E-06	2.20E-04
1699	494961.06, 3858901.99	0.05764	0.07615	0.04231	0.02368	2.33E-04	2.27E-03	2.70E-04	7.48E-05	2.85E-03	2.12E-04	0.00E+00	3.60E-06	2.04E-06	2.18E-04
1700	495011.06, 3858901.99	0.05689	0.07494	0.04173	0.02344	2.30E-04	2.24E-03	2.66E-04	7.40E-05	2.81E-03	2.09E-04	0.00E+00	3.55E-06	2.02E-06	2.15E-04
1701	495061.06, 3858901.99	0.05575	0.07334	0.04092	0.02312	2.25E-04	2.19E-03	2.61E-04	7.30E-05	2.75E-03	2.05E-04	0.00E+00	3.48E-06	1.99E-06	2.10E-04
1702	495111.06, 3858901.99	0.05409	0.07119	0.03982	0.02274	2.19E-04	2.12E-03	2.54E-04	7.18E-05	2.67E-03	1.99E-04	0.00E+00	3.39E-06	1.96E-06	2.04E-04
1703	495161.06, 3858901.99	0.05366	0.0704	0.03948	0.02254	2.17E-04	2.10E-03	2.52E-04	7.12E-05	2.64E-03	1.97E-04	0.00E+00	3.36E-06	1.94E-06	2.03E-04
1704	495211.06, 3858901.99	0.05409	0.07051	0.03965	0.0225	2.19E-04	2.10E-03	2.53E-04	7.10E-05	2.65E-03	1.99E-04	0.00E+00	3.37E-06	1.94E-06	2.04E-04
1705	495261.06, 3858901.99	0.05407	0.07015	0.03954	0.02238	2.19E-04	2.09E-03	2.52E-04	7.07E-05	2.63E-03	1.99E-04	0.00E+00	3.36E-06	1.93E-06	2.04E-04
1706	495311.06, 3858901.99	0.0539	0.06965	0.03936	0.02224	2.18E-04	2.08E-03	2.51E-04	7.02E-05	2.62E-03	1.98E-04	0.00E+00	3.35E-06	1.92E-06	2.03E-04
1707	495361.06, 3858901.99	0.05377	0.0692	0.0392	0.02211	2.17E-04	2.06E-03	2.50E-04	6.98E-05	2.60E-03	1.98E-04	0.00E+00	3.33E-06	1.90E-06	2.03E-04
1708	495411.06, 3858901.99	0.05388	0.069	0.03918	0.02202	2.18E-04	2.06E-03	2.50E-04	6.95E-05	2.60E-03	1.98E-04	0.00E+00	3.33E-06	1.90E-06	2.03E-04
1709	495461.06, 3858901.99	0.0536	0.0684	0.03893	0.02187	2.17E-04	2.04E-03	2.48E-04	6.91E-05	2.57E-03	1.97E-04	0.00E+00	3.31E-06	1.88E-06	2.02E-04
1710	495511.06, 3858901.99	0.0531	0.06758	0.03855	0.02167	2.15E-04	2.02E-03	2.46E-04	6.84E-05	2.55E-03	1.95E-04	0.00E+00	3.28E-06	1.87E-06	2.00E-04
1711	495561.06, 3858901.99	0.05271	0.06688	0.03824	0.02151	2.13E-04	2.00E-03	2.44E-04	6.79E-05	2.52E-03	1.94E-04	0.00E+00	3.25E-06	1.85E-06	1.99E-04
1712	495611.06, 3858901.99	0.05213	0.066	0.03784	0.02131	2.11E-04	1.97E-03	2.41E-04	6.73E-05	2.49E-03	1.92E-04	0.00E+00	3.22E-06	1.84E-06	1.97E-04
1713	495661.06, 3858901.99	0.05213	0.06572	0.03776	0.02121	2.11E-04	1.96E-03	2.41E-04	6.70E-05	2.48E-03	1.92E-04	0.00E+00	3.21E-06	1.83E-06	1.97E-04
1714	494311.06, 3858951.99	0.06703	0.09466	0.04971	0.02761	2.71E-04	2.82E-03	3.17E-04	8.72E-05	3.50E-03	2.46E-04	0.00E+00	4.23E-06	2.38E-06	2.53E-04
1715	494361.06, 3858951.99	0.06759	0.09515	0.05014	0.02762	2.73E-04	2.84E-03	3.20E-04	8.72E-05	3.52E-03	2.48E-04	0.00E+00	4.26E-06	2.38E-06	2.55E-04
1716	494411.06, 3858951.99	0.06713	0.09406	0.04972	0.02734	2.71E-04	2.81E-03	3.17E-04	8.63E-05	3.48E-03	2.47E-04	0.00E+00	4.23E-06	2.35E-06	2.53E-04
1717	494461.06, 3858951.99	0.06718	0.09413	0.04809	0.02688	2.72E-04	2.81E-03	3.07E-04	8.49E-05	3.47E-03	2.47E-04	0.00E+00	4.09E-06	2.31E-06	2.53E-04
1718	494511.06, 3858951.99	0.06685	0.09326	0.04788	0.02667	2.70E-04	2.78E-03	3.05E-04	8.42E-05	3.44E-03	2.46E-04	0.00E+00	4.07E-06	2.30E-06	2.52E-04
1719	494561.06, 3858951.99	0.06619	0.09188	0.04749	0.02639	2.68E-04	2.74E-03	3.03E-04	8.33E-05	3.39E-03	2.43E-04	0.00E+00	4.04E-06	2.27E-06	2.50E-04
1720	494611.06, 3858951.99	0.06515	0.08996	0.04687	0.02603	2.63E-04	2.68E-03	2.99E-04	8.22E-05	3.33E-03	2.40E-04	0.00E+00	3.99E-06	2.24E-06	2.46E-04
1721	494661.06, 3858951.99	0.06419	0.08815	0.04627	0.0257	2.59E-04	2.63E-03	2.95E-04	8.11E-05	3.27E-03	2.36E-04	0.00E+00	3.94E-06	2.21E-06	2.42E-04
1722	494711.06, 3858951.99	0.06274	0.08579	0.04534	0.02528	2.54E-04	2.56E-03	2.89E-04	7.98E-05	3.18E-03	2.31E-04	0.00E+00	3.86E-06	2.18E-06	2.37E-04
1723	494761.06, 3858951.99	0.06169	0.08403	0.04463	0.02495	2.49E-04	2.51E-03	2.85E-04	7.88E-05	3.12E-03	2.27E-04	0.00E+00	3.80E-06	2.15E-06	2.33E-04
1724	494811.06, 3858951.99	0.061	0.08276	0.04413	0.02469	2.47E-04	2.47E-03	2.81E-04	7.80E-05	3.08E-03	2.24E-04	0.00E+00	3.75E-06	2.13E-06	2.30E-04

1725	494861.06, 3858951.99	0.0603	0.08149	0.04362	0.02443	2.44E-04	2.43E-03	2.78E-04	7.71E-05	3.03E-03	2.22E-04	0.00E+00	3.71E-06	2.10E-06	2.28E-04
1726	494911.06, 3858951.99	0.0592	0.07976	0.04285	0.02409	2.39E-04	2.38E-03	2.73E-04	7.61E-05	2.97E-03	2.18E-04	0.00E+00	3.64E-06	2.07E-06	2.23E-04
1727	494961.06, 3858951.99	0.0587	0.07878	0.04246	0.02387	2.37E-04	2.35E-03	2.71E-04	7.54E-05	2.93E-03	2.16E-04	0.00E+00	3.61E-06	2.06E-06	2.21E-04
1728	495011.06, 3858951.99	0.05692	0.07632	0.04123	0.02344	2.30E-04	2.28E-03	2.63E-04	7.40E-05	2.84E-03	2.09E-04	0.00E+00	3.51E-06	2.02E-06	2.15E-04
1729	495061.06, 3858951.99	0.05523	0.07403	0.04007	0.02303	2.23E-04	2.21E-03	2.56E-04	7.27E-05	2.76E-03	2.03E-04	0.00E+00	3.41E-06	1.98E-06	2.08E-04
1730	495111.06, 3858951.99	0.05397	0.07229	0.03922	0.0227	2.18E-04	2.16E-03	2.50E-04	7.17E-05	2.70E-03	1.98E-04	0.00E+00	3.34E-06	1.95E-06	2.04E-04
1731	495161.06, 3858951.99	0.05466	0.07268	0.03959	0.02269	2.21E-04	2.17E-03	2.53E-04	7.16E-05	2.71E-03	2.01E-04	0.00E+00	3.37E-06	1.95E-06	2.06E-04
1732	495211.06, 3858951.99	0.05468	0.07235	0.03953	0.02258	2.21E-04	2.16E-03	2.52E-04	7.13E-05	2.70E-03	2.01E-04	0.00E+00	3.36E-06	1.94E-06	2.06E-04
1733	495261.06, 3858951.99	0.05468	0.072	0.03947	0.02246	2.21E-04	2.15E-03	2.52E-04	7.09E-05	2.69E-03	2.01E-04	0.00E+00	3.36E-06	1.93E-06	2.06E-04
1734	495311.06, 3858951.99	0.05411	0.07104	0.03904	0.02225	2.19E-04	2.12E-03	2.49E-04	7.03E-05	2.66E-03	1.99E-04	0.00E+00	3.32E-06	1.92E-06	2.04E-04
1735	495361.06, 3858951.99	0.05418	0.07078	0.03902	0.02214	2.19E-04	2.11E-03	2.49E-04	6.99E-05	2.65E-03	1.99E-04	0.00E+00	3.32E-06	1.91E-06	2.04E-04
1736	495411.06, 3858951.99	0.05435	0.07064	0.03906	0.02206	2.20E-04	2.11E-03	2.49E-04	6.97E-05	2.65E-03	2.00E-04	0.00E+00	3.32E-06	1.90E-06	2.05E-04
1737	495461.06, 3858951.99	0.05415	0.07011	0.03887	0.02191	2.19E-04	2.09E-03	2.48E-04	6.92E-05	2.63E-03	1.99E-04	0.00E+00	3.31E-06	1.89E-06	2.04E-04
1738	495511.06, 3858951.99	0.05417	0.06982	0.03881	0.02182	2.19E-04	2.08E-03	2.48E-04	6.89E-05	2.62E-03	1.99E-04	0.00E+00	3.30E-06	1.88E-06	2.04E-04
1739	495561.06, 3858951.99	0.05328	0.06855	0.03819	0.02155	2.15E-04	2.05E-03	2.44E-04	6.80E-05	2.57E-03	1.96E-04	0.00E+00	3.25E-06	1.86E-06	2.01E-04
1740	495611.06, 3858951.99	0.05279	0.06772	0.03783	0.02137	2.13E-04	2.02E-03	2.41E-04	6.75E-05	2.54E-03	1.94E-04	0.00E+00	3.22E-06	1.84E-06	1.99E-04
1741	495661.06, 3858951.99	0.05282	0.06747	0.03778	0.02127	2.14E-04	2.01E-03	2.41E-04	6.72E-05	2.53E-03	1.94E-04	0.00E+00	3.21E-06	1.83E-06	1.99E-04
1742	494311.06, 3859001.99	0.0681	0.09858	0.0489	0.02806	2.75E-04	2.94E-03	3.12E-04	8.86E-05	3.62E-03	2.50E-04	0.00E+00	4.16E-06	2.42E-06	2.57E-04
1743	494361.06, 3859001.99	0.06801	0.09809	0.04846	0.02781	2.75E-04	2.93E-03	3.09E-04	8.78E-05	3.60E-03	2.50E-04	0.00E+00	4.12E-06	2.39E-06	2.57E-04
1744	494411.06, 3859001.99	0.06774	0.09767	0.04703	0.02726	2.74E-04	2.91E-03	3.00E-04	8.61E-05	3.57E-03	2.49E-04	0.00E+00	4.00E-06	2.35E-06	2.55E-04
1745	494461.06, 3859001.99	0.06745	0.09681	0.04687	0.02705	2.73E-04	2.89E-03	2.99E-04	8.54E-05	3.55E-03	2.48E-04	0.00E+00	3.99E-06	2.33E-06	2.54E-04
1746	494511.06, 3859001.99	0.06714	0.09594	0.0467	0.02683	2.71E-04	2.86E-03	2.98E-04	8.47E-05	3.52E-03	2.47E-04	0.00E+00	3.97E-06	2.31E-06	2.53E-04
1747	494561.06, 3859001.99	0.06618	0.09399	0.04625	0.02648	2.68E-04	2.80E-03	2.95E-04	8.36E-05	3.45E-03	2.43E-04	0.00E+00	3.93E-06	2.28E-06	2.50E-04
1748	494611.06, 3859001.99	0.06529	0.0922	0.0458	0.02615	2.64E-04	2.75E-03	2.92E-04	8.26E-05	3.39E-03	2.40E-04	0.00E+00	3.90E-06	2.25E-06	2.46E-04
1749	494661.06, 3859001.99	0.06416	0.09009	0.04519	0.02577	2.59E-04	2.69E-03	2.88E-04	8.14E-05	3.32E-03	2.36E-04	0.00E+00	3.84E-06	2.22E-06	2.42E-04
1750	494711.06, 3859001.99	0.06279	0.08763	0.04441	0.02534	2.54E-04	2.61E-03	2.83E-04	8.00E-05	3.23E-03	2.31E-04	0.00E+00	3.78E-06	2.18E-06	2.37E-04
1751	494761.06, 3859001.99	0.06199	0.08612	0.04392	0.02504	2.51E-04	2.57E-03	2.80E-04	7.91E-05	3.18E-03	2.28E-04	0.00E+00	3.74E-06	2.16E-06	2.34E-04
1752	494811.06, 3859001.99	0.06154	0.08513	0.04362	0.02482	2.49E-04	2.54E-03	2.78E-04	7.84E-05	3.15E-03	2.26E-04	0.00E+00	3.71E-06	2.14E-06	2.32E-04
1753	494861.06, 3859001.99	0.06064	0.08353	0.04305	0.02451	2.45E-04	2.49E-03	2.75E-04	7.74E-05	3.09E-03	2.23E-04	0.00E+00	3.66E-06	2.11E-06	2.29E-04
1754	494911.06, 3859001.99	0.05967	0.08187	0.04241	0.0242	2.41E-04	2.44E-03	2.71E-04	7.64E-05	3.03E-03	2.19E-04	0.00E+00	3.61E-06	2.08E-06	2.25E-04
1755	494961.06, 3859001.99	0.05867	0.0802	0.04175	0.02389	2.37E-04	2.39E-03	2.66E-04	7.54E-05	2.97E-03	2.16E-04	0.00E+00	3.55E-06	2.06E-06	2.21E-04
1756	495011.06, 3859001.99	0.05578	0.07633	0.03986	0.02323	2.25E-04	2.28E-03	2.54E-04	7.33E-05	2.83E-03	2.05E-04	0.00E+00	3.39E-06	2.00E-06	2.10E-04
1757	495061.06, 3859001.99	0.0553	0.07539	0.03951	0.02302	2.24E-04	2.25E-03	2.52E-04	7.27E-05	2.80E-03	2.03E-04	0.00E+00	3.36E-06	1.98E-06	2.09E-04
1758	495111.06, 3859001.99	0.05413	0.07367	0.03873	0.0227	2.19E-04	2.20E-03	2.47E-04	7.17E-05	2.74E-03	1.99E-04	0.00E+00	3.29E-06	1.95E-06	2.04E-04
1759	495161.06, 3859001.99	0.0552	0.07454	0.03936	0.02275	2.23E-04	2.22E-03	2.51E-04	7.18E-05	2.77E-03	2.03E-04	0.00E+00	3.35E-06	1.96E-06	2.08E-04
1760	495211.06, 3859001.99	0.05503	0.07398	0.03921	0.0226	2.22E-04	2.21E-03	2.50E-04	7.14E-05	2.75E-03	2.02E-04	0.00E+00	3.33E-06	1.95E-06	2.08E-04
1761	495261.06, 3859001.99	0.0551	0.0737	0.03921	0.0225	2.23E-04	2.20E-03	2.50E-04	7.10E-05	2.74E-03	2.03E-04	0.00E+00	3.33E-06	1.94E-06	2.08E-04
1762	495311.06, 3859001.99	0.05486	0.07308	0.03901	0.02233	2.22E-04	2.18E-03	2.49E-04	7.05E-05	2.72E-03	2.02E-04	0.00E+00	3.32E-06	1.92E-06	2.07E-04
1763	495361.06, 3859001.99	0.0549	0.07278	0.03899	0.02223	2.22E-04	2.17E-03	2.49E-04	7.02E-05	2.71E-03	2.02E-04	0.00E+00	3.32E-06	1.91E-06	2.07E-04
1764	495411.06, 3859001.99	0.05479	0.07232	0.03887	0.0221	2.21E-04	2.16E-03	2.48E-04	6.98E-05	2.70E-03	2.01E-04	0.00E+00	3.31E-06	1.90E-06	2.07E-04
1765	495461.06, 3859001.99	0.05475	0.07195	0.0388	0.02198	2.21E-04	2.15E-03	2.47E-04	6.94E-05	2.68E-03	2.01E-04	0.00E+00	3.30E-06	1.89E-06	2.06E-04
1766	495511.06, 3859001.99	0.0541	0.07088	0.03833	0.02176	2.19E-04	2.11E-03	2.44E-04	6.87E-05	2.65E-03	1.99E-04	0.00E+00	3.26E-06	1.87E-06	2.04E-04
1767	495561.06, 3859001.99	0.05376	0.07017	0.03807	0.02159	2.17E-04	2.09E-03	2.43E-04	6.82E-05	2.62E-03	1.98E-04	0.00E+00	3.24E-06	1.86E-06	2.03E-04
1768	495611.06, 3859001.99	0.05337	0.06942	0.03778	0.02142	2.16E-04	2.07E-03	2.41E-04	6.76E-05	2.60E-03	1.96E-04	0.00E+00	3.21E-06	1.84E-06	2.01E-04
1769	495661.06, 3859001.99	0.05374	0.06954	0.03797	0.02137	2.17E-04	2.07E-03	2.42E-04	6.75E-05	2.60E-03	1.98E-04	0.00E+00	3.23E-06	1.84E-06	2.03E-04
1770	494311.06, 3859051.99	0.06865	0.102	0.04722	0.02826	2.77E-04	3.04E-03	3.01E-04	8.92E-05	3.71E-03	2.52E-04	0.00E+00	4.02E-06	2.43E-06	2.59E-04
1771	494361.06, 3859051.99	0.06851	0.10183	0.04585	0.02766	2.77E-04	3.04E-03	2.92E-04	8.73E-05	3.69E-03	2.52E-04	0.00E+00	3.90E-06	2.38E-06	2.58E-04
1772	494411.06, 3859051.99	0.06805	0.10063	0.04567	0.02741	2.75E-04	3.00E-03	2.91E-04	8.65E-05	3.66E-03	2.50E-04	0.00E+00	3.88E-06	2.36E-06	2.56E-04
1773	494461.06, 3859051.99	0.06749	0.09924	0.04545	0.02714	2.73E-04	2.96E-03	2.90E-04	8.57E-05	3.61E-03	2.48E-04	0.00E+00	3.87E-06	2.34E-06	2.54E-04
1774	494511.06, 3859051.99	0.06675	0.09753	0.04516	0.02682	2.70E-04	2.91E-03	2.88E-04	8.47E-05	3.55E-03	2.45E-04	0.00E+00	3.84E-06	2.31E-06	2.52E-04
1775	494561.06, 3859051.99	0.06612	0.09606	0.04489	0.02654	2.67E-04	2.87E-03	2.86E-04	8.38E-05	3.50E-03	2.43E-04	0.00E+00	3.82E-06	2.29E-06	2.49E-04
1776	494611.06, 3859051.99	0.06522	0.09416	0.04451	0.02619	2.64E-04	2.81E-03	2.84E-04	8.27E-05	3.44E-03	2.40E-04	0.00E+00	3.79E-06	2.26E-06	2.46E-04
1777	494661.06, 3859051.99	0.06424	0.09215	0.04405	0.02583	2.60E-04	2.75E-03	2.81E-04	8.16E-05	3.37E-03	2.36E-04	0.00E+00	3.75E-06	2.22E-06	2.42E-04
1778	494711.06, 3859051.99	0.06331	0.0903	0.04359	0.02549	2.56E-04	2.69E-03	2.78E-04	8.05E-05	3.31E-03	2.33E-04	0.00E+00	3.71E-06	2.19E-06	2.39E-04
1779	494761.06, 3859051.99	0.06232	0.08841	0.04307	0.02514	2.52E-04	2.64E-03	2.75E-04	7.94E-05	3.24E-03	2.29E-04	0.00E+00	3.66E-06	2.16E-06	2.35E-04
1780	494811.06, 3859051.99	0.06164	0.08702	0.0427	0.02486	2.49E-04	2.60E-03	2.72E-04	7.85E-05	3.20E-03	2.27E-04	0.00E+00	3.63E-06	2.14E-06	2.32E-04
1781	494861.06, 3859051.99	0.06094	0.08557	0.04229	0.02459	2.46E-04	2.55E-03	2.70E-04	7.76E-05	3.15E-03	2.24E-04	0.00E+00	3.60E-06	2.12E-06	2.30E-04
1782	494911.06, 3859051.99	0.05978	0.08357	0.04161	0.02422	2.42E-04	2.49E-03	2.65E-04	7.65E-05	3.08E-03	2.20E-04	0.00E+00	3.54E-06	2.09E-06	2.25E-04
1783	494961.06, 3859051.99	0.05798	0.08077	0.04051	0.02375	2.34E-04	2.41E-03	2.58E-04	7.50E-05	2.98E-03	2.13E-04	0.00E+00	3.45E-06	2.05E-06	2.19E-04
1784	495011.06, 3859051.99	0.05664	0.07867	0.03967	0.02336	2.29E-04	2.35E-03	2.53E-04	7.38E-05	2.90E-03	2.08E-04	0.00E+00	3.37E-06	2.01E-06	2.14E-04
1785	495061.06, 3859051.99	0.05578	0.07723	0.03912	0.02307	2.25E-04	2.30E-03	2.50E-04	7.28E-05	2.85E-03	2.05E-04	0.00E+00	3.33E-06	1.99E-06	2.10E-04
1786	495111.06, 3859051.99	0.05536	0.07635	0.03884	0.02288	2.24E-04	2.28E-03	2.48E-04	7.22E-05	2.82E-03	2.04E-04	0.00E+00	3.30E-06	1.97E-06	2.09E-04
1787	495161.06, 3859051.99	0.0559	0.07663	0.03914	0.02285	2.26E-04	2.29E-03	2.50E-04	7.21E-05	2.83E-03	2.06E-04	0.00E+00	3.33E-06	1.97E-06	2.11E-04
1788	495211.06, 3859051.99	0.05538	0.07563	0.0388	0.02263	2.24E-04	2.26E-03	2.47E-04	7.15E-05	2.80E-03	2.04E-04	0.00E+00	3.30E-06	1.95E-06	2.09E-04

1789	495261.06, 3859051.99	0.05566	0.07561	0.03894	0.02256	2.25E-04	2.26E-03	2.48E-04	7.12E-05	2.80E-03	2.05E-04	0.00E+00	3.31E-06	1.94E-06	2.10E-04
1790	495311.06, 3859051.99	0.05535	0.07487	0.03872	0.02238	2.24E-04	2.23E-03	2.47E-04	7.07E-05	2.77E-03	2.03E-04	0.00E+00	3.29E-06	1.93E-06	2.09E-04
1791	495361.06, 3859051.99	0.05527	0.07443	0.03865	0.02225	2.23E-04	2.22E-03	2.47E-04	7.03E-05	2.76E-03	2.03E-04	0.00E+00	3.29E-06	1.92E-06	2.08E-04
1792	495411.06, 3859051.99	0.05536	0.0742	0.03867	0.02215	2.24E-04	2.21E-03	2.47E-04	6.99E-05	2.75E-03	2.04E-04	0.00E+00	3.29E-06	1.91E-06	2.09E-04
1793	495461.06, 3859051.99	0.05542	0.07394	0.03869	0.02205	2.24E-04	2.21E-03	2.47E-04	6.96E-05	2.75E-03	2.04E-04	0.00E+00	3.29E-06	1.90E-06	2.09E-04
1794	495511.06, 3859051.99	0.05475	0.0728	0.03823	0.02182	2.21E-04	2.17E-03	2.44E-04	6.89E-05	2.71E-03	2.01E-04	0.00E+00	3.25E-06	1.88E-06	2.06E-04
1795	495561.06, 3859051.99	0.05427	0.0719	0.0379	0.02163	2.19E-04	2.15E-03	2.42E-04	6.83E-05	2.67E-03	2.00E-04	0.00E+00	3.22E-06	1.86E-06	2.05E-04
1796	495611.06, 3859051.99	0.05386	0.07109	0.0376	0.02144	2.18E-04	2.12E-03	2.40E-04	6.77E-05	2.65E-03	1.98E-04	0.00E+00	3.20E-06	1.85E-06	2.03E-04
1797	495661.06, 3859051.99	0.05416	0.07114	0.03777	0.02139	2.19E-04	2.12E-03	2.41E-04	6.75E-05	2.65E-03	1.99E-04	0.00E+00	3.21E-06	1.84E-06	2.04E-04
1798	494311.06, 3859101.99	0.06898	0.10575	0.04452	0.02797	2.79E-04	3.15E-03	2.84E-04	8.83E-05	3.81E-03	2.54E-04	0.00E+00	3.79E-06	2.41E-06	2.60E-04
1799	494361.06, 3859101.99	0.06858	0.10461	0.04437	0.02773	2.77E-04	3.12E-03	2.83E-04	8.76E-05	3.77E-03	2.52E-04	0.00E+00	3.77E-06	2.39E-06	2.58E-04
1800	494411.06, 3859101.99	0.06827	0.10368	0.04424	0.02751	2.76E-04	3.09E-03	2.82E-04	8.69E-05	3.74E-03	2.51E-04	0.00E+00	3.76E-06	2.37E-06	2.57E-04
1801	494461.06, 3859101.99	0.0677	0.10216	0.04406	0.02723	2.74E-04	3.05E-03	2.81E-04	8.60E-05	3.69E-03	2.49E-04	0.00E+00	3.75E-06	2.34E-06	2.55E-04
1802	494511.06, 3859101.99	0.06684	0.10005	0.0438	0.02689	2.70E-04	2.98E-03	2.79E-04	8.49E-05	3.62E-03	2.46E-04	0.00E+00	3.73E-06	2.32E-06	2.52E-04
1803	494561.06, 3859101.99	0.06616	0.09839	0.04356	0.02659	2.67E-04	2.94E-03	2.78E-04	8.40E-05	3.56E-03	2.43E-04	0.00E+00	3.70E-06	2.29E-06	2.49E-04
1804	494611.06, 3859101.99	0.06506	0.09596	0.04316	0.02619	2.63E-04	2.86E-03	2.75E-04	8.27E-05	3.48E-03	2.39E-04	0.00E+00	3.67E-06	2.26E-06	2.45E-04
1805	494661.06, 3859101.99	0.06437	0.09439	0.04288	0.0259	2.60E-04	2.82E-03	2.74E-04	8.18E-05	3.43E-03	2.37E-04	0.00E+00	3.65E-06	2.23E-06	2.43E-04
1806	494711.06, 3859101.99	0.06307	0.09179	0.04232	0.02546	2.55E-04	2.74E-03	2.70E-04	8.04E-05	3.34E-03	2.32E-04	0.00E+00	3.60E-06	2.19E-06	2.38E-04
1807	494761.06, 3859101.99	0.06278	0.09095	0.04218	0.02526	2.54E-04	2.71E-03	2.69E-04	7.98E-05	3.32E-03	2.31E-04	0.00E+00	3.59E-06	2.18E-06	2.37E-04
1808	494811.06, 3859101.99	0.06193	0.08921	0.04178	0.02494	2.50E-04	2.66E-03	2.66E-04	7.87E-05	3.26E-03	2.28E-04	0.00E+00	3.55E-06	2.15E-06	2.33E-04
1809	494861.06, 3859101.99	0.06118	0.08767	0.0414	0.02464	2.47E-04	2.62E-03	2.64E-04	7.78E-05	3.20E-03	2.25E-04	0.00E+00	3.52E-06	2.12E-06	2.31E-04
1810	494911.06, 3859101.99	0.06002	0.08547	0.04079	0.02426	2.43E-04	2.55E-03	2.60E-04	7.66E-05	3.13E-03	2.21E-04	0.00E+00	3.47E-06	2.09E-06	2.26E-04
1811	494961.06, 3859101.99	0.05816	0.08244	0.03976	0.02375	2.35E-04	2.46E-03	2.54E-04	7.50E-05	3.02E-03	2.14E-04	0.00E+00	3.38E-06	2.05E-06	2.19E-04
1812	495011.06, 3859101.99	0.05615	0.07937	0.03858	0.02325	2.27E-04	2.37E-03	2.46E-04	7.34E-05	2.91E-03	2.06E-04	0.00E+00	3.28E-06	2.00E-06	2.12E-04
1813	495061.06, 3859101.99	0.05627	0.07915	0.03863	0.02314	2.27E-04	2.36E-03	2.46E-04	7.31E-05	2.91E-03	2.07E-04	0.00E+00	3.29E-06	1.99E-06	2.12E-04
1814	495111.06, 3859101.99	0.05578	0.07814	0.03834	0.02292	2.25E-04	2.33E-03	2.45E-04	7.24E-05	2.87E-03	2.05E-04	0.00E+00	3.26E-06	1.97E-06	2.10E-04
1815	495161.06, 3859101.99	0.05628	0.07842	0.03862	0.02289	2.27E-04	2.34E-03	2.46E-04	7.23E-05	2.89E-03	2.07E-04	0.00E+00	3.28E-06	1.97E-06	2.12E-04
1816	495211.06, 3859101.99	0.05585	0.07749	0.03836	0.02268	2.26E-04	2.31E-03	2.45E-04	7.16E-05	2.85E-03	2.05E-04	0.00E+00	3.26E-06	1.95E-06	2.11E-04
1817	495261.06, 3859101.99	0.05595	0.07728	0.03841	0.02258	2.26E-04	2.31E-03	2.45E-04	7.13E-05	2.85E-03	2.06E-04	0.00E+00	3.27E-06	1.94E-06	2.11E-04
1818	495311.06, 3859101.99	0.05596	0.07668	0.03861	0.02251	2.26E-04	2.29E-03	2.46E-04	7.11E-05	2.83E-03	2.06E-04	0.00E+00	3.28E-06	1.94E-06	2.11E-04
1819	495361.06, 3859101.99	0.05599	0.07663	0.03841	0.02235	2.26E-04	2.29E-03	2.45E-04	7.06E-05	2.83E-03	2.06E-04	0.00E+00	3.27E-06	1.92E-06	2.11E-04
1820	495411.06, 3859101.99	0.05595	0.07624	0.03837	0.02222	2.26E-04	2.27E-03	2.45E-04	7.02E-05	2.82E-03	2.06E-04	0.00E+00	3.26E-06	1.91E-06	2.11E-04
1821	495461.06, 3859101.99	0.05578	0.07542	0.03852	0.02214	2.25E-04	2.25E-03	2.46E-04	6.99E-05	2.79E-03	2.05E-04	0.00E+00	3.28E-06	1.91E-06	2.10E-04
1822	495511.06, 3859101.99	0.0556	0.07485	0.0384	0.02199	2.25E-04	2.23E-03	2.45E-04	6.94E-05	2.77E-03	2.04E-04	0.00E+00	3.27E-06	1.89E-06	2.10E-04
1823	495561.06, 3859101.99	0.05496	0.07395	0.03773	0.02171	2.22E-04	2.21E-03	2.41E-04	6.85E-05	2.74E-03	2.02E-04	0.00E+00	3.21E-06	1.87E-06	2.07E-04
1824	495611.06, 3859101.99	0.05446	0.07299	0.03741	0.0215	2.20E-04	2.18E-03	2.39E-04	6.79E-05	2.70E-03	2.00E-04	0.00E+00	3.18E-06	1.85E-06	2.05E-04
1825	495661.06, 3859101.99	0.05451	0.07273	0.03742	0.0214	2.20E-04	2.17E-03	2.39E-04	6.76E-05	2.70E-03	2.00E-04	0.00E+00	3.18E-06	1.84E-06	2.05E-04
1826	494311.06, 3859151.99	0.06903	0.10885	0.04305	0.02799	2.79E-04	3.25E-03	2.75E-04	8.84E-05	3.89E-03	2.54E-04	0.00E+00	3.66E-06	2.41E-06	2.60E-04
1827	494361.06, 3859151.99	0.06878	0.10802	0.04292	0.02778	2.78E-04	3.22E-03	2.74E-04	8.77E-05	3.86E-03	2.53E-04	0.00E+00	3.65E-06	2.39E-06	2.59E-04
1828	494411.06, 3859151.99	0.06815	0.10619	0.04278	0.02748	2.75E-04	3.17E-03	2.73E-04	8.68E-05	3.80E-03	2.51E-04	0.00E+00	3.64E-06	2.37E-06	2.57E-04
1829	494461.06, 3859151.99	0.06749	0.10434	0.04262	0.02719	2.73E-04	3.11E-03	2.72E-04	8.58E-05	3.74E-03	2.48E-04	0.00E+00	3.62E-06	2.34E-06	2.54E-04
1830	494511.06, 3859151.99	0.06661	0.10204	0.0424	0.02684	2.69E-04	3.04E-03	2.70E-04	8.47E-05	3.67E-03	2.45E-04	0.00E+00	3.61E-06	2.31E-06	2.51E-04
1831	494561.06, 3859151.99	0.06608	0.1006	0.04223	0.02657	2.67E-04	3.00E-03	2.69E-04	8.39E-05	3.62E-03	2.43E-04	0.00E+00	3.59E-06	2.29E-06	2.49E-04
1832	494611.06, 3859151.99	0.06516	0.09835	0.04195	0.02622	2.63E-04	2.93E-03	2.68E-04	8.28E-05	3.55E-03	2.40E-04	0.00E+00	3.57E-06	2.26E-06	2.45E-04
1833	494661.06, 3859151.99	0.06456	0.09686	0.04174	0.02594	2.61E-04	2.89E-03	2.66E-04	8.19E-05	3.50E-03	2.37E-04	0.00E+00	3.55E-06	2.23E-06	2.43E-04
1834	494711.06, 3859151.99	0.06406	0.09557	0.04154	0.02569	2.59E-04	2.85E-03	2.65E-04	8.11E-05	3.46E-03	2.36E-04	0.00E+00	3.53E-06	2.21E-06	2.41E-04
1835	494761.06, 3859151.99	0.06292	0.0931	0.04111	0.02529	2.54E-04	2.78E-03	2.62E-04	7.98E-05	3.37E-03	2.31E-04	0.00E+00	3.50E-06	2.18E-06	2.37E-04
1836	494811.06, 3859151.99	0.06196	0.09104	0.04071	0.02494	2.50E-04	2.72E-03	2.60E-04	7.87E-05	3.30E-03	2.28E-04	0.00E+00	3.46E-06	2.15E-06	2.33E-04
1837	494861.06, 3859151.99	0.06135	0.08967	0.04044	0.02467	2.48E-04	2.68E-03	2.58E-04	7.79E-05	3.26E-03	2.26E-04	0.00E+00	3.44E-06	2.12E-06	2.31E-04
1838	494911.06, 3859151.99	0.0601	0.08725	0.03985	0.02426	2.43E-04	2.60E-03	2.54E-04	7.66E-05	3.18E-03	2.21E-04	0.00E+00	3.39E-06	2.09E-06	2.26E-04
1839	494961.06, 3859151.99	0.05847	0.08401	0.03919	0.02383	2.36E-04	2.51E-03	2.50E-04	7.52E-05	3.07E-03	2.15E-04	0.00E+00	3.33E-06	2.05E-06	2.20E-04
1840	495011.06, 3859151.99	0.05661	0.08128	0.03801	0.02327	2.29E-04	2.42E-03	2.42E-04	7.35E-05	2.97E-03	2.08E-04	0.00E+00	3.23E-06	2.00E-06	2.13E-04
1841	495061.06, 3859151.99	0.05652	0.0808	0.03796	0.02313	2.28E-04	2.41E-03	2.42E-04	7.30E-05	2.95E-03	2.08E-04	0.00E+00	3.23E-06	1.99E-06	2.13E-04
1842	495111.06, 3859151.99	0.05627	0.08009	0.03782	0.02296	2.27E-04	2.39E-03	2.41E-04	7.25E-05	2.93E-03	2.07E-04	0.00E+00	3.22E-06	1.98E-06	2.12E-04
1843	495161.06, 3859151.99	0.05672	0.08037	0.03807	0.02292	2.29E-04	2.40E-03	2.43E-04	7.24E-05	2.94E-03	2.09E-04	0.00E+00	3.24E-06	1.97E-06	2.14E-04
1844	495211.06, 3859151.99	0.05654	0.07975	0.03796	0.02276	2.29E-04	2.38E-03	2.42E-04	7.19E-05	2.92E-03	2.08E-04	0.00E+00	3.23E-06	1.96E-06	2.13E-04
1845	495261.06, 3859151.99	0.05637	0.07917	0.03787	0.02261	2.28E-04	2.36E-03	2.42E-04	7.14E-05	2.90E-03	2.07E-04	0.00E+00	3.22E-06	1.95E-06	2.12E-04
1846	495311.06, 3859151.99	0.05628	0.07871	0.03782	0.02247	2.27E-04	2.35E-03	2.41E-04	7.09E-05	2.89E-03	2.07E-04	0.00E+00	3.22E-06	1.93E-06	2.12E-04
1847	495361.06, 3859151.99	0.05614	0.07817	0.03774	0.02233	2.27E-04	2.33E-03	2.41E-04	7.05E-05	2.87E-03	2.06E-04	0.00E+00	3.21E-06	1.92E-06	2.12E-04
1848	495411.06, 3859151.99	0.05651	0.07835	0.03794	0.02228	2.28E-04	2.34E-03	2.42E-04	7.03E-05	2.88E-03	2.08E-04	0.00E+00	3.23E-06	1.92E-06	2.13E-04
1849	495461.06, 3859151.99	0.0564	0.07787	0.03788	0.02215	2.28E-04	2.32E-03	2.42E-04	6.99E-05	2.86E-03	2.07E-04	0.00E+00	3.22E-06	1.91E-06	2.12E-04
1850	495511.06, 3859151.99	0.05584	0.07674	0.03756	0.02192	2.26E-04	2.29E-03	2.40E-04	6.92E-05	2.82E-03	2.05E-04	0.00E+00	3.19E-06	1.89E-06	2.10E-04
1851	495561.06, 3859151.99	0.05547	0.0759	0.03734	0.02174	2.24E-04	2.26E-03	2.38E-04	6.86E-05	2.80E-03	2.04E-04	0.00E+00	3.18E-06	1.87E-06	2.09E-04
1852	495611.06, 3859151.99	0.05516	0.07516	0.03716	0.02157	2.23E-04	2.24E-03	2.37E-04	6.81E-05	2.77E-03	2.03E-04	0.00E+00	3.16E-06	1.86E-06	2.08E-04

1853	495661.06, 3859151.99	0.05492	0.07451	0.03701	0.02142	2.22E-04	2.22E-03	2.36E-04	6.76E-05	2.75E-03	2.02E-04	0.00E+00	3.15E-06	1.84E-06	2.07E-04
1854	494311.06, 3859201.99	0.06891	0.11187	0.04161	0.02791	2.79E-04	3.34E-03	2.65E-04	8.81E-05	3.97E-03	2.53E-04	0.00E+00	3.54E-06	2.40E-06	2.59E-04
1855	494361.06, 3859201.99	0.06853	0.1106	0.04149	0.02767	2.77E-04	3.30E-03	2.65E-04	8.74E-05	3.93E-03	2.52E-04	0.00E+00	3.53E-06	2.38E-06	2.58E-04
1856	494411.06, 3859201.99	0.06802	0.10895	0.04138	0.02741	2.75E-04	3.25E-03	2.64E-04	8.65E-05	3.88E-03	2.50E-04	0.00E+00	3.52E-06	2.36E-06	2.56E-04
1857	494461.06, 3859201.99	0.06726	0.10665	0.04127	0.0271	2.72E-04	3.18E-03	2.63E-04	8.56E-05	3.80E-03	2.47E-04	0.00E+00	3.51E-06	2.33E-06	2.53E-04
1858	494511.06, 3859201.99	0.06673	0.10506	0.04113	0.02683	2.70E-04	3.13E-03	2.62E-04	8.47E-05	3.75E-03	2.45E-04	0.00E+00	3.50E-06	2.31E-06	2.51E-04
1859	494561.06, 3859201.99	0.06585	0.1026	0.04095	0.02649	2.66E-04	3.06E-03	2.61E-04	8.36E-05	3.67E-03	2.42E-04	0.00E+00	3.48E-06	2.28E-06	2.48E-04
1860	494611.06, 3859201.99	0.06514	0.10066	0.04076	0.02618	2.63E-04	3.00E-03	2.60E-04	8.27E-05	3.61E-03	2.39E-04	0.00E+00	3.47E-06	2.25E-06	2.45E-04
1861	494661.06, 3859201.99	0.06456	0.09911	0.04058	0.02591	2.61E-04	2.96E-03	2.59E-04	8.18E-05	3.56E-03	2.37E-04	0.00E+00	3.45E-06	2.23E-06	2.43E-04
1862	494711.06, 3859201.99	0.06398	0.09757	0.04038	0.02564	2.59E-04	2.91E-03	2.58E-04	8.10E-05	3.51E-03	2.35E-04	0.00E+00	3.43E-06	2.21E-06	2.41E-04
1863	494761.06, 3859201.99	0.06298	0.09518	0.04006	0.02527	2.55E-04	2.84E-03	2.56E-04	7.98E-05	3.43E-03	2.32E-04	0.00E+00	3.41E-06	2.18E-06	2.37E-04
1864	494811.06, 3859201.99	0.06212	0.0932	0.03974	0.02494	2.51E-04	2.78E-03	2.53E-04	7.87E-05	3.36E-03	2.28E-04	0.00E+00	3.38E-06	2.15E-06	2.34E-04
1865	494861.06, 3859201.99	0.06119	0.0908	0.03947	0.02464	2.47E-04	2.71E-03	2.52E-04	7.78E-05	3.29E-03	2.25E-04	0.00E+00	3.36E-06	2.12E-06	2.30E-04
1866	494911.06, 3859201.99	0.05976	0.08829	0.03876	0.02414	2.42E-04	2.63E-03	2.47E-04	7.62E-05	3.20E-03	2.20E-04	0.00E+00	3.30E-06	2.08E-06	2.25E-04
1867	494961.06, 3859201.99	0.0583	0.08554	0.03806	0.02369	2.36E-04	2.55E-03	2.43E-04	7.48E-05	3.11E-03	2.14E-04	0.00E+00	3.24E-06	2.04E-06	2.20E-04
1868	495011.06, 3859201.99	0.05627	0.08202	0.03705	0.02315	2.27E-04	2.45E-03	2.36E-04	7.31E-05	2.98E-03	2.07E-04	0.00E+00	3.15E-06	1.99E-06	2.12E-04
1869	495061.06, 3859201.99	0.05708	0.08294	0.03744	0.02318	2.31E-04	2.47E-03	2.39E-04	7.32E-05	3.02E-03	2.10E-04	0.00E+00	3.18E-06	2.00E-06	2.15E-04
1870	495111.06, 3859201.99	0.05711	0.08265	0.03745	0.02306	2.31E-04	2.47E-03	2.39E-04	7.28E-05	3.01E-03	2.10E-04	0.00E+00	3.19E-06	1.99E-06	2.15E-04
1871	495161.06, 3859201.99	0.05703	0.08219	0.03741	0.02293	2.31E-04	2.45E-03	2.39E-04	7.24E-05	2.99E-03	2.10E-04	0.00E+00	3.18E-06	1.97E-06	2.15E-04
1872	495211.06, 3859201.99	0.05666	0.08128	0.03721	0.02273	2.29E-04	2.42E-03	2.37E-04	7.18E-05	2.96E-03	2.08E-04	0.00E+00	3.16E-06	1.96E-06	2.13E-04
1873	495261.06, 3859201.99	0.05672	0.08104	0.03724	0.02262	2.29E-04	2.42E-03	2.38E-04	7.14E-05	2.96E-03	2.09E-04	0.00E+00	3.17E-06	1.95E-06	2.14E-04
1874	495311.06, 3859201.99	0.05662	0.08057	0.0372	0.02249	2.29E-04	2.40E-03	2.37E-04	7.10E-05	2.94E-03	2.08E-04	0.00E+00	3.16E-06	1.94E-06	2.13E-04
1875	495361.06, 3859201.99	0.0566	0.08021	0.03718	0.02237	2.29E-04	2.39E-03	2.37E-04	7.06E-05	2.93E-03	2.08E-04	0.00E+00	3.16E-06	1.93E-06	2.13E-04
1876	495411.06, 3859201.99	0.05684	0.08032	0.03731	0.0223	2.30E-04	2.40E-03	2.38E-04	7.04E-05	2.93E-03	2.09E-04	0.00E+00	3.17E-06	1.92E-06	2.14E-04
1877	495461.06, 3859201.99	0.05662	0.07965	0.03719	0.02214	2.29E-04	2.38E-03	2.37E-04	6.99E-05	2.91E-03	2.08E-04	0.00E+00	3.16E-06	1.91E-06	2.13E-04
1878	495511.06, 3859201.99	0.0564	0.07896	0.03708	0.02199	2.28E-04	2.36E-03	2.37E-04	6.94E-05	2.89E-03	2.07E-04	0.00E+00	3.15E-06	1.89E-06	2.12E-04
1879	495561.06, 3859201.99	0.0558	0.07772	0.03677	0.02175	2.26E-04	2.32E-03	2.35E-04	6.87E-05	2.85E-03	2.05E-04	0.00E+00	3.13E-06	1.87E-06	2.10E-04
1880	495611.06, 3859201.99	0.0554	0.07681	0.03656	0.02156	2.24E-04	2.29E-03	2.33E-04	6.81E-05	2.82E-03	2.04E-04	0.00E+00	3.11E-06	1.86E-06	2.09E-04
1881	495661.06, 3859201.99	0.05517	0.07617	0.03643	0.02141	2.23E-04	2.27E-03	2.32E-04	6.76E-05	2.80E-03	2.03E-04	0.00E+00	3.10E-06	1.84E-06	2.08E-04
1882	494311.06, 3859251.99	0.06865	0.11493	0.0402	0.02774	2.77E-04	3.43E-03	2.56E-04	8.76E-05	4.05E-03	2.52E-04	0.00E+00	3.42E-06	2.39E-06	2.58E-04
1883	494361.06, 3859251.99	0.06815	0.11308	0.04013	0.02749	2.75E-04	3.37E-03	2.56E-04	8.68E-05	3.99E-03	2.51E-04	0.00E+00	3.41E-06	2.37E-06	2.56E-04
1884	494411.06, 3859251.99	0.06745	0.11064	0.04009	0.0272	2.73E-04	3.30E-03	2.56E-04	8.59E-05	3.92E-03	2.48E-04	0.00E+00	3.41E-06	2.34E-06	2.54E-04
1885	494461.06, 3859251.99	0.06697	0.10899	0.03999	0.02695	2.71E-04	3.25E-03	2.55E-04	8.51E-05	3.86E-03	2.46E-04	0.00E+00	3.40E-06	2.32E-06	2.52E-04
1886	494511.06, 3859251.99	0.06616	0.10643	0.0399	0.02663	2.67E-04	3.18E-03	2.55E-04	8.41E-05	3.78E-03	2.43E-04	0.00E+00	3.39E-06	2.29E-06	2.49E-04
1887	494561.06, 3859251.99	0.06561	0.10471	0.03977	0.02636	2.65E-04	3.12E-03	2.54E-04	8.32E-05	3.73E-03	2.41E-04	0.00E+00	3.38E-06	2.27E-06	2.47E-04
1888	494611.06, 3859251.99	0.06488	0.10255	0.03962	0.02606	2.62E-04	3.06E-03	2.53E-04	8.23E-05	3.66E-03	2.39E-04	0.00E+00	3.37E-06	2.24E-06	2.44E-04
1889	494661.06, 3859251.99	0.06447	0.10132	0.03947	0.02583	2.61E-04	3.02E-03	2.52E-04	8.16E-05	3.62E-03	2.37E-04	0.00E+00	3.36E-06	2.22E-06	2.43E-04
1890	494711.06, 3859251.99	0.0639	0.09971	0.03931	0.02557	2.58E-04	2.97E-03	2.51E-04	8.07E-05	3.56E-03	2.35E-04	0.00E+00	3.34E-06	2.20E-06	2.40E-04
1891	494761.06, 3859251.99	0.06248	0.09583	0.03901	0.02514	2.53E-04	2.86E-03	2.49E-04	7.94E-05	3.44E-03	2.30E-04	0.00E+00	3.32E-06	2.16E-06	2.35E-04
1892	494811.06, 3859251.99	0.06218	0.09529	0.0388	0.0249	2.51E-04	2.84E-03	2.47E-04	7.86E-05	3.42E-03	2.29E-04	0.00E+00	3.30E-06	2.14E-06	2.34E-04
1893	494861.06, 3859251.99	0.06088	0.09197	0.03846	0.02452	2.46E-04	2.74E-03	2.45E-04	7.74E-05	3.31E-03	2.24E-04	0.00E+00	3.27E-06	2.11E-06	2.29E-04
1894	494911.06, 3859251.99	0.05944	0.08929	0.03778	0.024	2.40E-04	2.66E-03	2.41E-04	7.58E-05	3.22E-03	2.19E-04	0.00E+00	3.21E-06	2.07E-06	2.24E-04
1895	494961.06, 3859251.99	0.05876	0.08778	0.03747	0.02373	2.38E-04	2.62E-03	2.39E-04	7.49E-05	3.17E-03	2.16E-04	0.00E+00	3.19E-06	2.04E-06	2.21E-04
1896	495011.06, 3859251.99	0.05791	0.08602	0.03707	0.02341	2.34E-04	2.57E-03	2.36E-04	7.39E-05	3.11E-03	2.13E-04	0.00E+00	3.15E-06	2.02E-06	2.18E-04
1897	495061.06, 3859251.99	0.05799	0.08584	0.03709	0.02331	2.34E-04	2.56E-03	2.37E-04	7.36E-05	3.11E-03	2.13E-04	0.00E+00	3.15E-06	2.01E-06	2.18E-04
1898	495111.06, 3859251.99	0.05768	0.08502	0.03693	0.02312	2.33E-04	2.54E-03	2.36E-04	7.30E-05	3.08E-03	2.12E-04	0.00E+00	3.14E-06	1.99E-06	2.17E-04
1899	495161.06, 3859251.99	0.05756	0.0845	0.03686	0.02298	2.33E-04	2.52E-03	2.35E-04	7.26E-05	3.06E-03	2.12E-04	0.00E+00	3.13E-06	1.98E-06	2.17E-04
1900	495211.06, 3859251.99	0.05721	0.08361	0.03669	0.02279	2.31E-04	2.49E-03	2.34E-04	7.20E-05	3.03E-03	2.10E-04	0.00E+00	3.12E-06	1.96E-06	2.15E-04
1901	495261.06, 3859251.99	0.05724	0.08306	0.03683	0.02273	2.31E-04	2.48E-03	2.35E-04	7.18E-05	3.02E-03	2.10E-04	0.00E+00	3.13E-06	1.96E-06	2.16E-04
1902	495311.06, 3859251.99	0.05716	0.08293	0.03665	0.02255	2.31E-04	2.47E-03	2.34E-04	7.12E-05	3.01E-03	2.10E-04	0.00E+00	3.12E-06	1.94E-06	2.15E-04
1903	495361.06, 3859251.99	0.05699	0.08233	0.03656	0.0224	2.30E-04	2.46E-03	2.33E-04	7.07E-05	2.99E-03	2.10E-04	0.00E+00	3.11E-06	1.93E-06	2.15E-04
1904	495411.06, 3859251.99	0.05713	0.08228	0.03662	0.02232	2.31E-04	2.45E-03	2.34E-04	7.05E-05	2.99E-03	2.10E-04	0.00E+00	3.11E-06	1.92E-06	2.15E-04
1905	495461.06, 3859251.99	0.05692	0.08164	0.03652	0.02216	2.30E-04	2.44E-03	2.33E-04	7.00E-05	2.97E-03	2.09E-04	0.00E+00	3.11E-06	1.91E-06	2.14E-04
1906	495511.06, 3859251.99	0.05634	0.08035	0.03625	0.02192	2.28E-04	2.40E-03	2.31E-04	6.92E-05	2.93E-03	2.07E-04	0.00E+00	3.08E-06	1.89E-06	2.12E-04
1907	495561.06, 3859251.99	0.05604	0.07956	0.03611	0.02175	2.27E-04	2.37E-03	2.30E-04	6.87E-05	2.90E-03	2.06E-04	0.00E+00	3.07E-06	1.87E-06	2.11E-04
1908	495611.06, 3859251.99	0.05554	0.07844	0.03586	0.02154	2.25E-04	2.34E-03	2.29E-04	6.80E-05	2.86E-03	2.04E-04	0.00E+00	3.05E-06	1.85E-06	2.09E-04
1909	495661.06, 3859251.99	0.05524	0.07766	0.03572	0.02137	2.23E-04	2.32E-03	2.28E-04	6.75E-05	2.84E-03	2.03E-04	0.00E+00	3.04E-06	1.84E-06	2.08E-04
1910	494311.06, 3859301.99	0.06821	0.11778	0.03881	0.02749	2.76E-04	3.51E-03	2.48E-04	8.68E-05	4.12E-03	2.51E-04	0.00E+00	3.30E-06	2.37E-06	2.56E-04
1911	494361.06, 3859301.99	0.06772	0.11575	0.0388	0.02725	2.74E-04	3.45E-03	2.47E-04	8.60E-05	4.06E-03	2.49E-04	0.00E+00	3.30E-06	2.35E-06	2.55E-04
1912	494411.06, 3859301.99	0.06709	0.11325	0.03882	0.02698	2.71E-04	3.38E-03	2.48E-04	8.52E-05	3.98E-03	2.47E-04	0.00E+00	3.30E-06	2.32E-06	2.52E-04
1913	494461.06, 3859301.99	0.06643	0.11079	0.03881	0.02671	2.69E-04	3.31E-03	2.48E-04	8.43E-05	3.91E-03	2.44E-04	0.00E+00	3.30E-06	2.30E-06	2.50E-04
1914	494511.06, 3859301.99	0.06583	0.10864	0.03875	0.02644	2.66E-04	3.24E-03	2.47E-04	8.35E-05	3.84E-03	2.42E-04	0.00E+00	3.30E-06	2.28E-06	2.48E-04
1915	494561.06, 3859301.99	0.06533	0.10692	0.03865	0.02619	2.64E-04	3.19E-03	2.47E-04	8.27E-05	3.78E-03	2.40E-04	0.00E+00	3.29E-06	2.26E-06	2.46E-04
1916	494611.06, 3859301.99	0.06476	0.10506	0.03854	0.02593	2.62E-04	3.13E-03	2.46E-04	8.19E-05	3.72E-03	2.38E-04	0.00E+00	3.28E-06	2.23E-06	2.44E-04

1917	494661.06, 3859301.99	0.06419	0.10325	0.03842	0.02567	2.59E-04	3.08E-03	2.45E-04	8.10E-05	3.67E-03	2.36E-04	0.00E+00	3.27E-06	2.21E-06	2.41E-04
1918	494711.06, 3859301.99	0.06349	0.10113	0.03827	0.02538	2.57E-04	3.02E-03	2.44E-04	8.01E-05	3.60E-03	2.33E-04	0.00E+00	3.25E-06	2.19E-06	2.39E-04
1919	494761.06, 3859301.99	0.06285	0.09926	0.03811	0.0251	2.54E-04	2.96E-03	2.43E-04	7.93E-05	3.54E-03	2.31E-04	0.00E+00	3.24E-06	2.16E-06	2.36E-04
1920	494811.06, 3859301.99	0.0619	0.09671	0.03787	0.02475	2.50E-04	2.89E-03	2.42E-04	7.81E-05	3.46E-03	2.28E-04	0.00E+00	3.22E-06	2.13E-06	2.33E-04
1921	494861.06, 3859301.99	0.06051	0.09336	0.03745	0.0243	2.45E-04	2.79E-03	2.39E-04	7.67E-05	3.35E-03	2.22E-04	0.00E+00	3.19E-06	2.09E-06	2.28E-04
1922	494911.06, 3859301.99	0.0598	0.09163	0.03717	0.02401	2.42E-04	2.73E-03	2.37E-04	7.58E-05	3.29E-03	2.20E-04	0.00E+00	3.16E-06	2.07E-06	2.25E-04
1923	494961.06, 3859301.99	0.05835	0.08836	0.03663	0.02357	2.36E-04	2.64E-03	2.34E-04	7.44E-05	3.18E-03	2.15E-04	0.00E+00	3.12E-06	2.03E-06	2.20E-04
1924	495011.06, 3859301.99	0.05781	0.08708	0.03638	0.02333	2.34E-04	2.60E-03	2.32E-04	7.37E-05	3.14E-03	2.13E-04	0.00E+00	3.09E-06	2.01E-06	2.18E-04
1925	495061.06, 3859301.99	0.05857	0.08809	0.03669	0.02342	2.37E-04	2.63E-03	2.34E-04	7.39E-05	3.17E-03	2.15E-04	0.00E+00	3.12E-06	2.02E-06	2.20E-04
1926	495111.06, 3859301.99	0.05773	0.08636	0.03628	0.02308	2.33E-04	2.58E-03	2.31E-04	7.29E-05	3.11E-03	2.12E-04	0.00E+00	3.09E-06	1.99E-06	2.17E-04
1927	495161.06, 3859301.99	0.05756	0.08597	0.03612	0.0229	2.33E-04	2.56E-03	2.30E-04	7.23E-05	3.10E-03	2.12E-04	0.00E+00	3.07E-06	1.97E-06	2.17E-04
1928	495211.06, 3859301.99	0.05775	0.08606	0.03617	0.02284	2.33E-04	2.57E-03	2.31E-04	7.21E-05	3.10E-03	2.12E-04	0.00E+00	3.08E-06	1.97E-06	2.17E-04
1929	495261.06, 3859301.99	0.05773	0.08576	0.03613	0.02272	2.33E-04	2.56E-03	2.30E-04	7.17E-05	3.09E-03	2.12E-04	0.00E+00	3.07E-06	1.96E-06	2.17E-04
1930	495311.06, 3859301.99	0.05723	0.08454	0.03591	0.02249	2.31E-04	2.52E-03	2.29E-04	7.10E-05	3.05E-03	2.10E-04	0.00E+00	3.05E-06	1.94E-06	2.15E-04
1931	495361.06, 3859301.99	0.05728	0.08437	0.03591	0.0224	2.32E-04	2.52E-03	2.29E-04	7.07E-05	3.05E-03	2.11E-04	0.00E+00	3.05E-06	1.93E-06	2.16E-04
1932	495411.06, 3859301.99	0.05715	0.08387	0.03584	0.02226	2.31E-04	2.50E-03	2.29E-04	7.03E-05	3.03E-03	2.10E-04	0.00E+00	3.05E-06	1.92E-06	2.15E-04
1933	495461.06, 3859301.99	0.05708	0.08348	0.03579	0.02214	2.31E-04	2.49E-03	2.28E-04	6.99E-05	3.02E-03	2.10E-04	0.00E+00	3.04E-06	1.91E-06	2.15E-04
1934	495511.06, 3859301.99	0.05664	0.08239	0.0356	0.02193	2.29E-04	2.46E-03	2.27E-04	6.92E-05	2.98E-03	2.08E-04	0.00E+00	3.03E-06	1.89E-06	2.13E-04
1935	495561.06, 3859301.99	0.0559	0.08076	0.03528	0.02166	2.26E-04	2.41E-03	2.25E-04	6.84E-05	2.93E-03	2.06E-04	0.00E+00	3.00E-06	1.87E-06	2.10E-04
1936	495611.06, 3859301.99	0.05561	0.07997	0.03514	0.02149	2.25E-04	2.39E-03	2.24E-04	6.79E-05	2.90E-03	2.04E-04	0.00E+00	2.99E-06	1.85E-06	2.09E-04
1937	495661.06, 3859301.99	0.05531	0.07917	0.035	0.02132	2.24E-04	2.36E-03	2.23E-04	6.73E-05	2.88E-03	2.03E-04	0.00E+00	2.98E-06	1.84E-06	2.08E-04
1938	494311.06, 3859351.99	0.06752	0.11997	0.03749	0.02715	2.73E-04	3.58E-03	2.39E-04	8.57E-05	4.18E-03	2.48E-04	0.00E+00	3.19E-06	2.34E-06	2.54E-04
1939	494361.06, 3859351.99	0.06707	0.11789	0.03752	0.02693	2.71E-04	3.52E-03	2.39E-04	8.50E-05	4.11E-03	2.47E-04	0.00E+00	3.19E-06	2.32E-06	2.52E-04
1940	494411.06, 3859351.99	0.06645	0.11509	0.03763	0.02667	2.69E-04	3.43E-03	2.40E-04	8.42E-05	4.03E-03	2.44E-04	0.00E+00	3.20E-06	2.30E-06	2.50E-04
1941	494461.06, 3859351.99	0.06588	0.11273	0.03766	0.02642	2.66E-04	3.36E-03	2.40E-04	8.34E-05	3.95E-03	2.42E-04	0.00E+00	3.20E-06	2.28E-06	2.48E-04
1942	494511.06, 3859351.99	0.06535	0.11064	0.03763	0.02618	2.64E-04	3.30E-03	2.40E-04	8.27E-05	3.89E-03	2.40E-04	0.00E+00	3.20E-06	2.25E-06	2.46E-04
1943	494561.06, 3859351.99	0.06494	0.10905	0.03755	0.02595	2.63E-04	3.25E-03	2.40E-04	8.19E-05	3.84E-03	2.39E-04	0.00E+00	3.19E-06	2.23E-06	2.44E-04
1944	494611.06, 3859351.99	0.06444	0.10725	0.03748	0.02572	2.60E-04	3.20E-03	2.39E-04	8.12E-05	3.78E-03	2.37E-04	0.00E+00	3.19E-06	2.21E-06	2.42E-04
1945	494661.06, 3859351.99	0.06391	0.10536	0.0374	0.02547	2.58E-04	3.14E-03	2.39E-04	8.04E-05	3.72E-03	2.35E-04	0.00E+00	3.18E-06	2.19E-06	2.40E-04
1946	494711.06, 3859351.99	0.06321	0.10304	0.03732	0.02519	2.56E-04	3.07E-03	2.38E-04	7.95E-05	3.65E-03	2.32E-04	0.00E+00	3.17E-06	2.17E-06	2.38E-04
1947	494761.06, 3859351.99	0.06237	0.10009	0.03724	0.02491	2.52E-04	2.99E-03	2.38E-04	7.87E-05	3.55E-03	2.29E-04	0.00E+00	3.17E-06	2.15E-06	2.35E-04
1948	494811.06, 3859351.99	0.06095	0.09651	0.03693	0.02442	2.46E-04	2.88E-03	2.36E-04	7.71E-05	3.44E-03	2.24E-04	0.00E+00	3.14E-06	2.10E-06	2.29E-04
1949	494861.06, 3859351.99	0.06041	0.09501	0.03672	0.02417	2.44E-04	2.83E-03	2.34E-04	7.63E-05	3.39E-03	2.22E-04	0.00E+00	3.12E-06	2.08E-06	2.27E-04
1950	494911.06, 3859351.99	0.06004	0.09395	0.03655	0.02396	2.43E-04	2.80E-03	2.33E-04	7.57E-05	3.35E-03	2.21E-04	0.00E+00	3.11E-06	2.06E-06	2.26E-04
1951	494961.06, 3859351.99	0.0594	0.09231	0.0363	0.02369	2.40E-04	2.75E-03	2.32E-04	7.48E-05	3.30E-03	2.18E-04	0.00E+00	3.09E-06	2.04E-06	2.24E-04
1952	495011.06, 3859351.99	0.05893	0.09102	0.0361	0.02346	2.38E-04	2.72E-03	2.30E-04	7.41E-05	3.26E-03	2.17E-04	0.00E+00	3.07E-06	2.02E-06	2.22E-04
1953	495061.06, 3859351.99	0.05919	0.09139	0.0361	0.02342	2.39E-04	2.73E-03	2.30E-04	7.39E-05	3.27E-03	2.18E-04	0.00E+00	3.07E-06	2.02E-06	2.23E-04
1954	495111.06, 3859351.99	0.05868	0.09003	0.03589	0.02318	2.37E-04	2.69E-03	2.29E-04	7.32E-05	3.23E-03	2.16E-04	0.00E+00	3.05E-06	2.00E-06	2.21E-04
1955	495161.06, 3859351.99	0.05843	0.08929	0.03575	0.02301	2.36E-04	2.66E-03	2.28E-04	7.27E-05	3.20E-03	2.15E-04	0.00E+00	3.04E-06	1.98E-06	2.20E-04
1956	495211.06, 3859351.99	0.05816	0.08848	0.03561	0.02284	2.35E-04	2.64E-03	2.27E-04	7.21E-05	3.17E-03	2.14E-04	0.00E+00	3.03E-06	1.97E-06	2.19E-04
1957	495261.06, 3859351.99	0.05808	0.0881	0.03554	0.02272	2.35E-04	2.63E-03	2.27E-04	7.17E-05	3.16E-03	2.14E-04	0.00E+00	3.02E-06	1.96E-06	2.19E-04
1958	495311.06, 3859351.99	0.05766	0.08698	0.03536	0.02251	2.33E-04	2.59E-03	2.26E-04	7.11E-05	3.12E-03	2.12E-04	0.00E+00	3.01E-06	1.94E-06	2.17E-04
1959	495361.06, 3859351.99	0.05742	0.08627	0.03524	0.02235	2.32E-04	2.57E-03	2.25E-04	7.06E-05	3.10E-03	2.11E-04	0.00E+00	3.00E-06	1.92E-06	2.16E-04
1960	495411.06, 3859351.99	0.05733	0.08584	0.03517	0.02222	2.32E-04	2.56E-03	2.24E-04	7.02E-05	3.09E-03	2.11E-04	0.00E+00	2.99E-06	1.91E-06	2.16E-04
1961	495461.06, 3859351.99	0.05732	0.08561	0.03513	0.02212	2.32E-04	2.55E-03	2.24E-04	6.98E-05	3.08E-03	2.11E-04	0.00E+00	2.99E-06	1.90E-06	2.16E-04
1962	495511.06, 3859351.99	0.05673	0.08414	0.0349	0.02188	2.29E-04	2.51E-03	2.23E-04	6.91E-05	3.03E-03	2.09E-04	0.00E+00	2.97E-06	1.88E-06	2.13E-04
1963	495561.06, 3859351.99	0.05629	0.08302	0.03471	0.02168	2.28E-04	2.48E-03	2.21E-04	6.85E-05	2.99E-03	2.07E-04	0.00E+00	2.95E-06	1.87E-06	2.12E-04
1964	495611.06, 3859351.99	0.056	0.0822	0.03458	0.02151	2.26E-04	2.45E-03	2.21E-04	6.79E-05	2.97E-03	2.06E-04	0.00E+00	2.94E-06	1.85E-06	2.11E-04
1965	495661.06, 3859351.99	0.05539	0.08077	0.03433	0.02127	2.24E-04	2.41E-03	2.19E-04	6.72E-05	2.92E-03	2.04E-04	0.00E+00	2.92E-06	1.83E-06	2.08E-04
1966	494311.06, 3859401.99	0.06688	0.1228	0.03605	0.02677	2.70E-04	3.66E-03	2.30E-04	8.45E-05	4.25E-03	2.46E-04	0.00E+00	3.07E-06	2.31E-06	2.51E-04
1967	494361.06, 3859401.99	0.06634	0.11987	0.03625	0.02655	2.68E-04	3.58E-03	2.31E-04	8.38E-05	4.16E-03	2.44E-04	0.00E+00	3.08E-06	2.29E-06	2.49E-04
1968	494411.06, 3859401.99	0.06575	0.11694	0.03644	0.02632	2.66E-04	3.49E-03	2.32E-04	8.31E-05	4.07E-03	2.42E-04	0.00E+00	3.10E-06	2.27E-06	2.47E-04
1969	494461.06, 3859401.99	0.06528	0.11474	0.03649	0.0261	2.64E-04	3.42E-03	2.33E-04	8.24E-05	4.00E-03	2.40E-04	0.00E+00	3.10E-06	2.25E-06	2.45E-04
1970	494511.06, 3859401.99	0.06494	0.11324	0.03644	0.02589	2.63E-04	3.38E-03	2.32E-04	8.17E-05	3.96E-03	2.39E-04	0.00E+00	3.10E-06	2.23E-06	2.44E-04
1971	494561.06, 3859401.99	0.06453	0.11149	0.03641	0.02568	2.61E-04	3.33E-03	2.32E-04	8.11E-05	3.90E-03	2.37E-04	0.00E+00	3.10E-06	2.21E-06	2.43E-04
1972	494611.06, 3859401.99	0.06402	0.10937	0.03642	0.02544	2.59E-04	3.26E-03	2.32E-04	8.03E-05	3.83E-03	2.35E-04	0.00E+00	3.10E-06	2.19E-06	2.41E-04
1973	494661.06, 3859401.99	0.06363	0.10784	0.03635	0.02523	2.57E-04	3.22E-03	2.32E-04	7.97E-05	3.79E-03	2.34E-04	0.00E+00	3.09E-06	2.17E-06	2.39E-04
1974	494711.06, 3859401.99	0.06316	0.10603	0.03629	0.02501	2.55E-04	3.16E-03	2.31E-04	7.90E-05	3.73E-03	2.32E-04	0.00E+00	3.09E-06	2.15E-06	2.37E-04
1975	494761.06, 3859401.99	0.06235	0.1028	0.03636	0.02477	2.52E-04	3.07E-03	2.32E-04	7.82E-05	3.63E-03	2.29E-04	0.00E+00	3.09E-06	2.13E-06	2.34E-04
1976	494811.06, 3859401.99	0.06154	0.10047	0.03622	0.02442	2.49E-04	3.00E-03	2.31E-04	7.71E-05	3.55E-03	2.26E-04	0.00E+00	3.08E-06	2.10E-06	2.31E-04
1977	494861.06, 3859401.99	0.06059	0.09759	0.03607	0.02408	2.45E-04	2.91E-03	2.30E-04	7.60E-05	3.46E-03	2.23E-04	0.00E+00	3.07E-06	2.07E-06	2.28E-04
1978	494911.06, 3859401.99	0.06002	0.0956	0.03593	0.02386	2.43E-04	2.85E-03	2.29E-04	7.53E-05	3.40E-03	2.21E-04	0.00E+00	3.06E-06	2.05E-06	2.26E-04
1979	494961.06, 3859401.99	0.05962	0.0947	0.03572	0.02362	2.41E-04	2.83E-03	2.28E-04	7.46E-05	3.37E-03	2.19E-04	0.00E+00	3.04E-06	2.03E-06	2.24E-04
1980	495011.06, 3859401.99	0.05938	0.09391	0.03557	0.02345	2.40E-04	2.80E-03	2.27E-04	7.40E-05	3.34E-03	2.18E-04	0.00E+00	3.03E-06	2.02E-06	2.23E-04

1981	495061.06, 3859401.99	0.05931	0.09325	0.03551	0.02336	2.40E-04	2.78E-03	2.27E-04	7.38E-05	3.32E-03	2.18E-04	0.00E+00	3.02E-06	2.01E-06	2.23E-04
1982	495111.06, 3859401.99	0.05877	0.09172	0.03531	0.02312	2.38E-04	2.74E-03	2.25E-04	7.30E-05	3.27E-03	2.16E-04	0.00E+00	3.00E-06	1.99E-06	2.21E-04
1983	495161.06, 3859401.99	0.05853	0.09129	0.03512	0.02292	2.37E-04	2.72E-03	2.24E-04	7.24E-05	3.26E-03	2.15E-04	0.00E+00	2.99E-06	1.97E-06	2.20E-04
1984	495211.06, 3859401.99	0.05845	0.09094	0.03502	0.0228	2.36E-04	2.71E-03	2.23E-04	7.20E-05	3.24E-03	2.15E-04	0.00E+00	2.98E-06	1.96E-06	2.20E-04
1985	495261.06, 3859401.99	0.05819	0.09014	0.03489	0.02263	2.35E-04	2.69E-03	2.23E-04	7.15E-05	3.22E-03	2.14E-04	0.00E+00	2.97E-06	1.95E-06	2.19E-04
1986	495311.06, 3859401.99	0.05789	0.08925	0.03475	0.02246	2.34E-04	2.66E-03	2.22E-04	7.09E-05	3.19E-03	2.13E-04	0.00E+00	2.96E-06	1.93E-06	2.18E-04
1987	495361.06, 3859401.99	0.05788	0.08905	0.03467	0.02236	2.34E-04	2.66E-03	2.21E-04	7.06E-05	3.18E-03	2.13E-04	0.00E+00	2.95E-06	1.93E-06	2.18E-04
1988	495411.06, 3859401.99	0.05769	0.08844	0.03456	0.02221	2.33E-04	2.64E-03	2.20E-04	7.01E-05	3.16E-03	2.12E-04	0.00E+00	2.94E-06	1.91E-06	2.17E-04
1989	495461.06, 3859401.99	0.05733	0.0874	0.03442	0.02203	2.32E-04	2.61E-03	2.20E-04	6.96E-05	3.13E-03	2.11E-04	0.00E+00	2.93E-06	1.90E-06	2.16E-04
1990	495511.06, 3859401.99	0.05679	0.08595	0.03423	0.0218	2.30E-04	2.56E-03	2.18E-04	6.88E-05	3.08E-03	2.09E-04	0.00E+00	2.91E-06	1.88E-06	2.14E-04
1991	495561.06, 3859401.99	0.05614	0.0843	0.034	0.02155	2.27E-04	2.51E-03	2.17E-04	6.80E-05	3.03E-03	2.06E-04	0.00E+00	2.89E-06	1.86E-06	2.11E-04
1992	495611.06, 3859401.99	0.05579	0.08334	0.03385	0.02137	2.26E-04	2.49E-03	2.16E-04	6.75E-05	3.00E-03	2.05E-04	0.00E+00	2.88E-06	1.84E-06	2.10E-04
1993	495661.06, 3859401.99	0.05551	0.08253	0.03372	0.02121	2.24E-04	2.46E-03	2.15E-04	6.70E-05	2.97E-03	2.04E-04	0.00E+00	2.87E-06	1.83E-06	2.09E-04
1994	494311.06, 3859451.99	0.066	0.12435	0.03478	0.02633	2.67E-04	3.71E-03	2.22E-04	8.31E-05	4.28E-03	2.43E-04	0.00E+00	2.96E-06	2.27E-06	2.48E-04
1995	494361.06, 3859451.99	0.06554	0.12172	0.03498	0.02613	2.65E-04	3.63E-03	2.23E-04	8.25E-05	4.20E-03	2.41E-04	0.00E+00	2.97E-06	2.25E-06	2.46E-04
1996	494411.06, 3859451.99	0.06489	0.11803	0.03534	0.02591	2.62E-04	3.52E-03	2.25E-04	8.18E-05	4.09E-03	2.39E-04	0.00E+00	3.01E-06	2.23E-06	2.44E-04
1997	494461.06, 3859451.99	0.06462	0.11676	0.03528	0.02572	2.61E-04	3.48E-03	2.25E-04	8.12E-05	4.05E-03	2.38E-04	0.00E+00	3.00E-06	2.21E-06	2.43E-04
1998	494511.06, 3859451.99	0.06419	0.11464	0.03535	0.02551	2.59E-04	3.42E-03	2.25E-04	8.05E-05	3.99E-03	2.36E-04	0.00E+00	3.01E-06	2.20E-06	2.41E-04
1999	494561.06, 3859451.99	0.06383	0.11292	0.03535	0.02531	2.58E-04	3.37E-03	2.25E-04	7.99E-05	3.93E-03	2.35E-04	0.00E+00	3.01E-06	2.18E-06	2.40E-04
2000	494611.06, 3859451.99	0.06359	0.11186	0.03525	0.02513	2.57E-04	3.34E-03	2.25E-04	7.93E-05	3.90E-03	2.34E-04	0.00E+00	3.00E-06	2.16E-06	2.39E-04
2001	494661.06, 3859451.99	0.0631	0.10966	0.03531	0.02491	2.55E-04	3.27E-03	2.25E-04	7.87E-05	3.83E-03	2.32E-04	0.00E+00	3.00E-06	2.15E-06	2.37E-04
2002	494711.06, 3859451.99	0.06258	0.10749	0.03534	0.02469	2.53E-04	3.21E-03	2.25E-04	7.80E-05	3.76E-03	2.30E-04	0.00E+00	3.01E-06	2.13E-06	2.35E-04
2003	494761.06, 3859451.99	0.06214	0.10568	0.03531	0.02448	2.51E-04	3.15E-03	2.25E-04	7.73E-05	3.71E-03	2.28E-04	0.00E+00	3.00E-06	2.11E-06	2.34E-04
2004	494811.06, 3859451.99	0.06144	0.10303	0.03533	0.02422	2.48E-04	3.07E-03	2.25E-04	7.65E-05	3.62E-03	2.26E-04	0.00E+00	3.00E-06	2.09E-06	2.31E-04
2005	494861.06, 3859451.99	0.06083	0.10085	0.03527	0.02397	2.46E-04	3.01E-03	2.25E-04	7.57E-05	3.56E-03	2.24E-04	0.00E+00	3.00E-06	2.06E-06	2.29E-04
2006	494911.06, 3859451.99	0.06035	0.0992	0.03517	0.02374	2.44E-04	2.96E-03	2.24E-04	7.50E-05	3.50E-03	2.22E-04	0.00E+00	2.99E-06	2.04E-06	2.27E-04
2007	494961.06, 3859451.99	0.06006	0.09818	0.03503	0.02356	2.43E-04	2.93E-03	2.23E-04	7.44E-05	3.47E-03	2.21E-04	0.00E+00	2.98E-06	2.03E-06	2.26E-04
2008	495011.06, 3859451.99	0.05968	0.09694	0.0349	0.02337	2.41E-04	2.89E-03	2.23E-04	7.38E-05	3.43E-03	2.19E-04	0.00E+00	2.97E-06	2.01E-06	2.24E-04
2009	495061.06, 3859451.99	0.05931	0.09572	0.03477	0.02318	2.40E-04	2.86E-03	2.22E-04	7.32E-05	3.39E-03	2.18E-04	0.00E+00	2.96E-06	2.00E-06	2.23E-04
2010	495111.06, 3859451.99	0.05892	0.09448	0.03463	0.02298	2.38E-04	2.82E-03	2.21E-04	7.26E-05	3.35E-03	2.17E-04	0.00E+00	2.95E-06	1.98E-06	2.22E-04
2011	495161.06, 3859451.99	0.05874	0.09384	0.03449	0.02283	2.37E-04	2.80E-03	2.20E-04	7.21E-05	3.33E-03	2.16E-04	0.00E+00	2.93E-06	1.97E-06	2.21E-04
2012	495211.06, 3859451.99	0.05861	0.09339	0.03436	0.0227	2.37E-04	2.79E-03	2.19E-04	7.17E-05	3.31E-03	2.15E-04	0.00E+00	2.92E-06	1.95E-06	2.20E-04
2013	495261.06, 3859451.99	0.05846	0.09287	0.03424	0.02256	2.36E-04	2.77E-03	2.18E-04	7.12E-05	3.30E-03	2.15E-04	0.00E+00	2.91E-06	1.94E-06	2.20E-04
2014	495311.06, 3859451.99	0.05815	0.0919	0.03411	0.02239	2.35E-04	2.74E-03	2.18E-04	7.07E-05	3.27E-03	2.14E-04	0.00E+00	2.90E-06	1.93E-06	2.19E-04
2015	495361.06, 3859451.99	0.05791	0.09113	0.03398	0.02224	2.34E-04	2.72E-03	2.17E-04	7.02E-05	3.24E-03	2.13E-04	0.00E+00	2.89E-06	1.92E-06	2.18E-04
2016	495411.06, 3859451.99	0.05759	0.09014	0.03386	0.02207	2.33E-04	2.69E-03	2.16E-04	6.97E-05	3.21E-03	2.12E-04	0.00E+00	2.88E-06	1.90E-06	2.17E-04
2017	495461.06, 3859451.99	0.05734	0.08935	0.03374	0.02191	2.32E-04	2.67E-03	2.15E-04	6.92E-05	3.18E-03	2.11E-04	0.00E+00	2.87E-06	1.89E-06	2.16E-04
2018	495511.06, 3859451.99	0.05674	0.08764	0.03357	0.02168	2.29E-04	2.61E-03	2.14E-04	6.85E-05	3.13E-03	2.09E-04	0.00E+00	2.86E-06	1.87E-06	2.13E-04
2019	495561.06, 3859451.99	0.05636	0.08654	0.03343	0.02149	2.28E-04	2.58E-03	2.13E-04	6.79E-05	3.09E-03	2.07E-04	0.00E+00	2.84E-06	1.85E-06	2.12E-04
2020	495611.06, 3859451.99	0.056	0.08548	0.03329	0.02131	2.26E-04	2.55E-03	2.12E-04	6.73E-05	3.06E-03	2.06E-04	0.00E+00	2.83E-06	1.84E-06	2.11E-04
2021	495661.06, 3859451.99	0.05566	0.08451	0.03315	0.02114	2.25E-04	2.52E-03	2.11E-04	6.67E-05	3.02E-03	2.05E-04	0.00E+00	2.82E-06	1.82E-06	2.09E-04
2022	494311.06, 3859501.99	0.06516	0.12636	0.03339	0.02585	2.63E-04	3.77E-03	2.13E-04	8.16E-05	4.33E-03	2.40E-04	0.00E+00	2.84E-06	2.23E-06	2.45E-04
2023	494361.06, 3859501.99	0.06474	0.12367	0.03363	0.02568	2.62E-04	3.69E-03	2.15E-04	8.11E-05	4.25E-03	2.38E-04	0.00E+00	2.86E-06	2.21E-06	2.43E-04
2024	494411.06, 3859501.99	0.06402	0.1192	0.03421	0.02548	2.59E-04	3.56E-03	2.18E-04	8.04E-05	4.11E-03	2.35E-04	0.00E+00	2.91E-06	2.19E-06	2.40E-04
2025	494461.06, 3859501.99	0.06395	0.11899	0.03397	0.0253	2.58E-04	3.55E-03	2.17E-04	7.99E-05	4.10E-03	2.35E-04	0.00E+00	2.89E-06	2.18E-06	2.40E-04
2026	494511.06, 3859501.99	0.06351	0.11654	0.03414	0.02511	2.57E-04	3.48E-03	2.18E-04	7.93E-05	4.03E-03	2.33E-04	0.00E+00	2.90E-06	2.16E-06	2.39E-04
2027	494561.06, 3859501.99	0.06312	0.11451	0.03423	0.02492	2.55E-04	3.42E-03	2.18E-04	7.87E-05	3.97E-03	2.32E-04	0.00E+00	2.91E-06	2.15E-06	2.37E-04
2028	494611.06, 3859501.99	0.06308	0.11445	0.03398	0.02476	2.55E-04	3.41E-03	2.17E-04	7.82E-05	3.96E-03	2.32E-04	0.00E+00	2.89E-06	2.13E-06	2.37E-04
2029	494661.06, 3859501.99	0.06257	0.11186	0.03415	0.02456	2.53E-04	3.34E-03	2.18E-04	7.75E-05	3.89E-03	2.30E-04	0.00E+00	2.90E-06	2.11E-06	2.35E-04
2030	494711.06, 3859501.99	0.06195	0.10887	0.03436	0.02434	2.50E-04	3.25E-03	2.19E-04	7.69E-05	3.79E-03	2.28E-04	0.00E+00	2.92E-06	2.10E-06	2.33E-04
2031	494761.06, 3859501.99	0.0618	0.1082	0.03421	0.02418	2.50E-04	3.23E-03	2.18E-04	7.63E-05	3.77E-03	2.27E-04	0.00E+00	2.91E-06	2.08E-06	2.32E-04
2032	494811.06, 3859501.99	0.06095	0.10456	0.03444	0.02391	2.46E-04	3.12E-03	2.20E-04	7.55E-05	3.66E-03	2.24E-04	0.00E+00	2.93E-06	2.06E-06	2.29E-04
2033	494861.06, 3859501.99	0.06058	0.10304	0.03438	0.02371	2.45E-04	3.07E-03	2.19E-04	7.49E-05	3.61E-03	2.23E-04	0.00E+00	2.92E-06	2.04E-06	2.28E-04
2034	494911.06, 3859501.99	0.06033	0.10206	0.03427	0.02354	2.44E-04	3.04E-03	2.19E-04	7.43E-05	3.58E-03	2.22E-04	0.00E+00	2.91E-06	2.03E-06	2.27E-04
2035	494961.06, 3859501.99	0.05984	0.10022	0.03423	0.02333	2.42E-04	2.99E-03	2.18E-04	7.37E-05	3.52E-03	2.20E-04	0.00E+00	2.91E-06	2.01E-06	2.25E-04
2036	495011.06, 3859501.99	0.0596	0.09932	0.0341	0.02317	2.41E-04	2.96E-03	2.18E-04	7.32E-05	3.49E-03	2.19E-04	0.00E+00	2.90E-06	2.00E-06	2.24E-04
2037	495061.06, 3859501.99	0.05937	0.09846	0.03398	0.02301	2.40E-04	2.94E-03	2.17E-04	7.27E-05	3.47E-03	2.18E-04	0.00E+00	2.89E-06	1.98E-06	2.23E-04
2038	495111.06, 3859501.99	0.05888	0.09675	0.0339	0.0228	2.38E-04	2.89E-03	2.16E-04	7.20E-05	3.41E-03	2.16E-04	0.00E+00	2.88E-06	1.96E-06	2.21E-04
2039	495161.06, 3859501.99	0.05867	0.09598	0.03377	0.02264	2.37E-04	2.86E-03	2.15E-04	7.15E-05	3.39E-03	2.16E-04	0.00E+00	2.87E-06	1.95E-06	2.21E-04
2040	495211.06, 3859501.99	0.05855	0.09557	0.03362	0.02252	2.37E-04	2.85E-03	2.14E-04	7.11E-05	3.37E-03	2.15E-04	0.00E+00	2.86E-06	1.94E-06	2.20E-04
2041	495261.06, 3859501.99	0.05833	0.09479	0.0335	0.02237	2.36E-04	2.83E-03	2.14E-04	7.06E-05	3.35E-03	2.14E-04	0.00E+00	2.85E-06	1.93E-06	2.19E-04
2042	495311.06, 3859501.99	0.05815	0.09417	0.03337	0.02223	2.35E-04	2.81E-03	2.13E-04	7.02E-05	3.33E-03	2.14E-04	0.00E+00	2.84E-06	1.91E-06	2.19E-04
2043	495361.06, 3859501.99	0.05788	0.09326	0.03326	0.02207	2.34E-04	2.78E-03	2.12E-04	6.97E-05	3.30E-03	2.13E-04	0.00E+00	2.83E-06	1.90E-06	2.18E-04
2044	495411.06, 3859501.99	0.05762	0.09248	0.03314	0.02192	2.33E-04	2.76E-03	2.11E-04	6.92E-05	3.27E-03	2.12E-04	0.00E+00	2.82E-06	1.89E-06	2.17E-04

2045	495461.06, 3859501.99	0.05731	0.09139	0.03303	0.02175	2.32E-04	2.73E-03	2.11E-04	6.87E-05	3.24E-03	2.11E-04	0.00E+00	2.81E-06	1.87E-06	2.15E-04
2046	495511.06, 3859501.99	0.05669	0.08918	0.03296	0.02156	2.29E-04	2.66E-03	2.10E-04	6.81E-05	3.17E-03	2.08E-04	0.00E+00	2.80E-06	1.86E-06	2.13E-04
2047	495561.06, 3859501.99	0.05647	0.08875	0.03281	0.02138	2.28E-04	2.65E-03	2.09E-04	6.75E-05	3.15E-03	2.08E-04	0.00E+00	2.79E-06	1.84E-06	2.12E-04
2048	495611.06, 3859501.99	0.05609	0.08758	0.03268	0.02121	2.27E-04	2.61E-03	2.08E-04	6.70E-05	3.11E-03	2.06E-04	0.00E+00	2.78E-06	1.83E-06	2.11E-04
2049	495661.06, 3859501.99	0.05566	0.0863	0.03255	0.02102	2.25E-04	2.57E-03	2.08E-04	6.64E-05	3.07E-03	2.05E-04	0.00E+00	2.77E-06	1.81E-06	2.09E-04
2050	494311.06, 3859551.99	0.06429	0.12806	0.03201	0.02536	2.60E-04	3.82E-03	2.04E-04	8.01E-05	4.36E-03	2.36E-04	0.00E+00	2.72E-06	2.18E-06	2.41E-04
2051	494361.06, 3859551.99	0.06387	0.12485	0.03233	0.02521	2.58E-04	3.72E-03	2.06E-04	7.96E-05	4.27E-03	2.35E-04	0.00E+00	2.75E-06	2.17E-06	2.40E-04
2052	494411.06, 3859551.99	0.06318	0.12019	0.03298	0.02503	2.55E-04	3.59E-03	2.10E-04	7.90E-05	4.13E-03	2.32E-04	0.00E+00	2.80E-06	2.16E-06	2.37E-04
2053	494461.06, 3859551.99	0.06316	0.12069	0.03268	0.02485	2.55E-04	3.60E-03	2.08E-04	7.85E-05	4.14E-03	2.32E-04	0.00E+00	2.78E-06	2.14E-06	2.37E-04
2054	494511.06, 3859551.99	0.06277	0.11833	0.03288	0.02467	2.54E-04	3.53E-03	2.10E-04	7.79E-05	4.07E-03	2.31E-04	0.00E+00	2.80E-06	2.12E-06	2.36E-04
2055	494561.06, 3859551.99	0.06245	0.11654	0.03296	0.0245	2.52E-04	3.48E-03	2.10E-04	7.74E-05	4.02E-03	2.30E-04	0.00E+00	2.80E-06	2.11E-06	2.35E-04
2056	494611.06, 3859551.99	0.06225	0.1155	0.0329	0.02433	2.52E-04	3.45E-03	2.10E-04	7.68E-05	3.98E-03	2.29E-04	0.00E+00	2.80E-06	2.10E-06	2.34E-04
2057	494661.06, 3859551.99	0.06196	0.11399	0.03293	0.02416	2.50E-04	3.40E-03	2.10E-04	7.63E-05	3.94E-03	2.28E-04	0.00E+00	2.80E-06	2.08E-06	2.33E-04
2058	494711.06, 3859551.99	0.06114	0.10949	0.03345	0.02393	2.47E-04	3.27E-03	2.13E-04	7.56E-05	3.80E-03	2.25E-04	0.00E+00	2.84E-06	2.06E-06	2.30E-04
2059	494761.06, 3859551.99	0.06123	0.11012	0.0331	0.0238	2.48E-04	3.29E-03	2.11E-04	7.51E-05	3.82E-03	2.25E-04	0.00E+00	2.82E-06	2.05E-06	2.30E-04
2060	494811.06, 3859551.99	0.0606	0.10696	0.03337	0.02359	2.45E-04	3.19E-03	2.13E-04	7.45E-05	3.72E-03	2.23E-04	0.00E+00	2.84E-06	2.03E-06	2.28E-04
2061	494861.06, 3859551.99	0.06028	0.1055	0.03335	0.02341	2.44E-04	3.15E-03	2.13E-04	7.39E-05	3.68E-03	2.22E-04	0.00E+00	2.84E-06	2.02E-06	2.26E-04
2062	494911.06, 3859551.99	0.05988	0.10376	0.03336	0.02323	2.42E-04	3.10E-03	2.13E-04	7.33E-05	3.62E-03	2.20E-04	0.00E+00	2.84E-06	2.00E-06	2.25E-04
2063	494961.06, 3859551.99	0.05967	0.10283	0.03326	0.02307	2.41E-04	3.07E-03	2.12E-04	7.28E-05	3.59E-03	2.19E-04	0.00E+00	2.83E-06	1.99E-06	2.24E-04
2064	495011.06, 3859551.99	0.05949	0.10212	0.03313	0.02292	2.40E-04	3.05E-03	2.11E-04	7.24E-05	3.57E-03	2.19E-04	0.00E+00	2.82E-06	1.97E-06	2.24E-04
2065	495061.06, 3859551.99	0.05918	0.10083	0.03307	0.02275	2.39E-04	3.01E-03	2.11E-04	7.18E-05	3.53E-03	2.18E-04	0.00E+00	2.81E-06	1.96E-06	2.22E-04
2066	495111.06, 3859551.99	0.05878	0.09923	0.03304	0.02257	2.38E-04	2.96E-03	2.11E-04	7.13E-05	3.48E-03	2.16E-04	0.00E+00	2.81E-06	1.94E-06	2.21E-04
2067	495161.06, 3859551.99	0.05861	0.09858	0.03291	0.02243	2.37E-04	2.94E-03	2.10E-04	7.08E-05	3.46E-03	2.15E-04	0.00E+00	2.80E-06	1.93E-06	2.20E-04
2068	495211.06, 3859551.99	0.05849	0.09816	0.03276	0.0223	2.36E-04	2.93E-03	2.09E-04	7.04E-05	3.44E-03	2.15E-04	0.00E+00	2.79E-06	1.92E-06	2.20E-04
2069	495261.06, 3859551.99	0.05815	0.09689	0.03269	0.02213	2.35E-04	2.89E-03	2.09E-04	6.99E-05	3.40E-03	2.14E-04	0.00E+00	2.78E-06	1.91E-06	2.18E-04
2070	495311.06, 3859551.99	0.05788	0.0959	0.03259	0.02198	2.34E-04	2.86E-03	2.08E-04	6.94E-05	3.37E-03	2.13E-04	0.00E+00	2.77E-06	1.89E-06	2.17E-04
2071	495361.06, 3859551.99	0.05766	0.0951	0.03248	0.02183	2.33E-04	2.84E-03	2.07E-04	6.89E-05	3.35E-03	2.12E-04	0.00E+00	2.76E-06	1.88E-06	2.17E-04
2072	495411.06, 3859551.99	0.05748	0.09449	0.03236	0.0217	2.32E-04	2.82E-03	2.06E-04	6.85E-05	3.33E-03	2.11E-04	0.00E+00	2.75E-06	1.87E-06	2.16E-04
2073	495461.06, 3859551.99	0.05704	0.09292	0.0323	0.02152	2.31E-04	2.77E-03	2.06E-04	6.79E-05	3.28E-03	2.10E-04	0.00E+00	2.75E-06	1.85E-06	2.14E-04
2074	495511.06, 3859551.99	0.05657	0.09132	0.03224	0.02133	2.29E-04	2.72E-03	2.06E-04	6.73E-05	3.23E-03	2.08E-04	0.00E+00	2.74E-06	1.84E-06	2.13E-04
2075	495561.06, 3859551.99	0.05628	0.09034	0.03213	0.02118	2.27E-04	2.70E-03	2.05E-04	6.69E-05	3.19E-03	2.07E-04	0.00E+00	2.73E-06	1.82E-06	2.11E-04
2076	495611.06, 3859551.99	0.05598	0.08934	0.03203	0.02103	2.26E-04	2.67E-03	2.04E-04	6.64E-05	3.16E-03	2.06E-04	0.00E+00	2.72E-06	1.81E-06	2.10E-04
2077	495661.06, 3859551.99	0.05559	0.08809	0.03192	0.02085	2.25E-04	2.63E-03	2.04E-04	6.58E-05	3.12E-03	2.04E-04	0.00E+00	2.71E-06	1.80E-06	2.09E-04
2078	494311.06, 3859601.99	0.06346	0.13016	0.03053	0.02483	2.57E-04	3.88E-03	1.95E-04	7.84E-05	4.41E-03	2.33E-04	0.00E+00	2.60E-06	2.14E-06	2.38E-04
2079	494361.06, 3859601.99	0.06285	0.12504	0.03125	0.02471	2.54E-04	3.73E-03	1.99E-04	7.80E-05	4.26E-03	2.31E-04	0.00E+00	2.66E-06	2.13E-06	2.36E-04
2080	494411.06, 3859601.99	0.06241	0.12224	0.03161	0.02454	2.52E-04	3.65E-03	2.02E-04	7.75E-05	4.18E-03	2.29E-04	0.00E+00	2.69E-06	2.11E-06	2.34E-04
2081	494461.06, 3859601.99	0.06237	0.12243	0.03133	0.02436	2.52E-04	3.65E-03	2.00E-04	7.69E-05	4.18E-03	2.29E-04	0.00E+00	2.66E-06	2.10E-06	2.34E-04
2082	494511.06, 3859601.99	0.06189	0.11918	0.03174	0.02421	2.50E-04	3.56E-03	2.02E-04	7.64E-05	4.08E-03	2.28E-04	0.00E+00	2.70E-06	2.08E-06	2.32E-04
2083	494561.06, 3859601.99	0.06179	0.11891	0.03154	0.02404	2.50E-04	3.55E-03	2.01E-04	7.59E-05	4.07E-03	2.27E-04	0.00E+00	2.68E-06	2.07E-06	2.32E-04
2084	494611.06, 3859601.99	0.06161	0.11798	0.03148	0.02387	2.49E-04	3.52E-03	2.01E-04	7.54E-05	4.04E-03	2.27E-04	0.00E+00	2.68E-06	2.06E-06	2.31E-04
2085	494661.06, 3859601.99	0.06111	0.11443	0.03188	0.02372	2.47E-04	3.41E-03	2.03E-04	7.49E-05	3.94E-03	2.25E-04	0.00E+00	2.71E-06	2.04E-06	2.29E-04
2086	494711.06, 3859601.99	0.06055	0.11142	0.03226	0.02353	2.45E-04	3.32E-03	2.06E-04	7.43E-05	3.85E-03	2.23E-04	0.00E+00	2.74E-06	2.03E-06	2.27E-04
2087	494761.06, 3859601.99	0.06074	0.11286	0.03175	0.0234	2.46E-04	3.37E-03	2.03E-04	7.39E-05	3.89E-03	2.23E-04	0.00E+00	2.70E-06	2.01E-06	2.28E-04
2088	494811.06, 3859601.99	0.06016	0.10949	0.03213	0.02322	2.43E-04	3.27E-03	2.05E-04	7.33E-05	3.79E-03	2.21E-04	0.00E+00	2.73E-06	2.00E-06	2.26E-04
2089	494861.06, 3859601.99	0.05991	0.10818	0.03212	0.02306	2.42E-04	3.23E-03	2.05E-04	7.28E-05	3.75E-03	2.20E-04	0.00E+00	2.73E-06	1.99E-06	2.25E-04
2090	494911.06, 3859601.99	0.05944	0.10578	0.0323	0.02288	2.40E-04	3.16E-03	2.06E-04	7.22E-05	3.67E-03	2.19E-04	0.00E+00	2.75E-06	1.97E-06	2.23E-04
2091	494961.06, 3859601.99	0.05945	0.10598	0.03203	0.02275	2.40E-04	3.16E-03	2.04E-04	7.18E-05	3.68E-03	2.19E-04	0.00E+00	2.72E-06	1.96E-06	2.23E-04
2092	495011.06, 3859601.99	0.05894	0.10348	0.03221	0.02257	2.38E-04	3.09E-03	2.05E-04	7.13E-05	3.60E-03	2.17E-04	0.00E+00	2.74E-06	1.94E-06	2.21E-04
2093	495061.06, 3859601.99	0.05885	0.10313	0.03204	0.02244	2.38E-04	3.08E-03	2.04E-04	7.09E-05	3.59E-03	2.16E-04	0.00E+00	2.72E-06	1.93E-06	2.21E-04
2094	495111.06, 3859601.99	0.05846	0.10137	0.03208	0.02227	2.36E-04	3.02E-03	2.05E-04	7.03E-05	3.54E-03	2.15E-04	0.00E+00	2.73E-06	1.92E-06	2.20E-04
2095	495161.06, 3859601.99	0.05831	0.10078	0.03195	0.02213	2.36E-04	3.01E-03	2.04E-04	6.99E-05	3.52E-03	2.14E-04	0.00E+00	2.72E-06	1.91E-06	2.19E-04
2096	495211.06, 3859601.99	0.05808	0.09979	0.03188	0.02199	2.35E-04	2.98E-03	2.03E-04	6.94E-05	3.48E-03	2.14E-04	0.00E+00	2.71E-06	1.89E-06	2.18E-04
2097	495261.06, 3859601.99	0.05788	0.09903	0.03177	0.02185	2.34E-04	2.95E-03	2.03E-04	6.90E-05	3.46E-03	2.13E-04	0.00E+00	2.70E-06	1.88E-06	2.17E-04
2098	495311.06, 3859601.99	0.05771	0.09836	0.03166	0.02171	2.33E-04	2.93E-03	2.02E-04	6.85E-05	3.44E-03	2.12E-04	0.00E+00	2.69E-06	1.87E-06	2.17E-04
2099	495361.06, 3859601.99	0.05744	0.09728	0.0316	0.02157	2.32E-04	2.90E-03	2.02E-04	6.81E-05	3.40E-03	2.11E-04	0.00E+00	2.69E-06	1.86E-06	2.16E-04
2100	495411.06, 3859601.99	0.05724	0.09657	0.03149	0.02144	2.31E-04	2.88E-03	2.01E-04	6.77E-05	3.38E-03	2.10E-04	0.00E+00	2.68E-06	1.85E-06	2.15E-04
2101	495461.06, 3859601.99	0.05676	0.09462	0.03152	0.02126	2.29E-04	2.82E-03	2.01E-04	6.71E-05	3.32E-03	2.09E-04	0.00E+00	2.68E-06	1.83E-06	2.13E-04
2102	495511.06, 3859601.99	0.05631	0.09289	0.03151	0.02108	2.28E-04	2.77E-03	2.01E-04	6.66E-05	3.27E-03	2.07E-04	0.00E+00	2.68E-06	1.82E-06	2.12E-04
2103	495561.06, 3859601.99	0.05619	0.09251	0.03137	0.02097	2.27E-04	2.76E-03	2.00E-04	6.62E-05	3.25E-03	2.07E-04	0.00E+00	2.67E-06	1.81E-06	2.11E-04
2104	495611.06, 3859601.99	0.05566	0.09057	0.03136	0.02078	2.25E-04	2.70E-03	2.00E-04	6.56E-05	3.19E-03	2.05E-04	0.00E+00	2.67E-06	1.79E-06	2.09E-04
2105	495661.06, 3859601.99	0.05545	0.08989	0.03125	0.02065	2.24E-04	2.68E-03	1.99E-04	6.52E-05	3.17E-03	2.04E-04	0.00E+00	2.66E-06	1.78E-06	2.08E-04
2106	494311.06, 3859651.99	0.06251	0.13068	0.02932	0.02432	2.53E-04	3.90E-03	1.87E-04	7.68E-05	4.42E-03	2.30E-04	0.00E+00	2.49E-06	2.09E-06	2.34E-04
2107	494361.06, 3859651.99	0.06195	0.12605	0.03	0.0242	2.50E-04	3.76E-03	1.91E-04	7.64E-05	4.28E-03	2.28E-04	0.00E+00	2.55E-06	2.08E-06	2.32E-04
2108	494411.06, 3859651.99	0.06167	0.12427	0.03014	0.02404	2.49E-04	3.71E-03	1.92E-04	7.59E-05	4.22E-03	2.27E-04	0.00E+00	2.56E-06	2.07E-06	2.31E-04

2109	494461.06, 3859651.99	0.06159	0.12431	0.02991	0.02386	2.49E-04	3.71E-03	1.91E-04	7.53E-05	4.22E-03	2.26E-04	0.00E+00	2.54E-06	2.05E-06	2.31E-04
2110	494511.06, 3859651.99	0.0613	0.12235	0.03007	0.02371	2.48E-04	3.65E-03	1.92E-04	7.49E-05	4.16E-03	2.25E-04	0.00E+00	2.56E-06	2.04E-06	2.30E-04
2111	494561.06, 3859651.99	0.06108	0.12113	0.03009	0.02355	2.47E-04	3.61E-03	1.92E-04	7.44E-05	4.13E-03	2.25E-04	0.00E+00	2.56E-06	2.03E-06	2.29E-04
2112	494611.06, 3859651.99	0.06086	0.11979	0.03013	0.02339	2.46E-04	3.57E-03	1.92E-04	7.39E-05	4.09E-03	2.24E-04	0.00E+00	2.56E-06	2.01E-06	2.28E-04
2113	494661.06, 3859651.99	0.06035	0.11583	0.03065	0.02326	2.44E-04	3.46E-03	1.96E-04	7.34E-05	3.97E-03	2.22E-04	0.00E+00	2.61E-06	2.00E-06	2.26E-04
2114	494711.06, 3859651.99	0.06014	0.11468	0.03065	0.02311	2.43E-04	3.42E-03	1.96E-04	7.30E-05	3.93E-03	2.21E-04	0.00E+00	2.61E-06	1.99E-06	2.26E-04
2115	494761.06, 3859651.99	0.05995	0.11396	0.03062	0.02295	2.42E-04	3.40E-03	1.95E-04	7.25E-05	3.91E-03	2.20E-04	0.00E+00	2.60E-06	1.98E-06	2.25E-04
2116	494811.06, 3859651.99	0.05959	0.11174	0.03083	0.0228	2.41E-04	3.33E-03	1.97E-04	7.20E-05	3.84E-03	2.19E-04	0.00E+00	2.62E-06	1.96E-06	2.24E-04
2117	494861.06, 3859651.99	0.05939	0.11067	0.03081	0.02265	2.40E-04	3.30E-03	1.97E-04	7.15E-05	3.81E-03	2.18E-04	0.00E+00	2.62E-06	1.95E-06	2.23E-04
2118	494911.06, 3859651.99	0.05911	0.10908	0.03089	0.0225	2.39E-04	3.25E-03	1.97E-04	7.10E-05	3.76E-03	2.17E-04	0.00E+00	2.63E-06	1.94E-06	2.22E-04
2119	494961.06, 3859651.99	0.05889	0.10791	0.03088	0.02236	2.38E-04	3.22E-03	1.97E-04	7.06E-05	3.72E-03	2.17E-04	0.00E+00	2.63E-06	1.93E-06	2.21E-04
2120	495011.06, 3859651.99	0.05862	0.10646	0.03091	0.02221	2.37E-04	3.18E-03	1.97E-04	7.01E-05	3.68E-03	2.16E-04	0.00E+00	2.63E-06	1.91E-06	2.20E-04
2121	495061.06, 3859651.99	0.05844	0.10562	0.03084	0.02207	2.36E-04	3.15E-03	1.97E-04	6.97E-05	3.65E-03	2.15E-04	0.00E+00	2.62E-06	1.90E-06	2.19E-04
2122	495111.06, 3859651.99	0.05815	0.10408	0.0309	0.02193	2.35E-04	3.11E-03	1.97E-04	6.92E-05	3.61E-03	2.14E-04	0.00E+00	2.63E-06	1.89E-06	2.18E-04
2123	495161.06, 3859651.99	0.05792	0.10301	0.03086	0.02179	2.34E-04	3.07E-03	1.97E-04	6.88E-05	3.57E-03	2.13E-04	0.00E+00	2.62E-06	1.88E-06	2.17E-04
2124	495211.06, 3859651.99	0.05774	0.10221	0.03078	0.02165	2.33E-04	3.05E-03	1.96E-04	6.84E-05	3.55E-03	2.12E-04	0.00E+00	2.62E-06	1.86E-06	2.17E-04
2125	495261.06, 3859651.99	0.0575	0.10109	0.03076	0.02151	2.32E-04	3.02E-03	1.96E-04	6.79E-05	3.51E-03	2.11E-04	0.00E+00	2.62E-06	1.85E-06	2.16E-04
2126	495311.06, 3859651.99	0.05729	0.10018	0.03069	0.02138	2.32E-04	2.99E-03	1.96E-04	6.75E-05	3.48E-03	2.11E-04	0.00E+00	2.61E-06	1.84E-06	2.15E-04
2127	495361.06, 3859651.99	0.05709	0.09937	0.03061	0.02125	2.31E-04	2.96E-03	1.95E-04	6.71E-05	3.46E-03	2.10E-04	0.00E+00	2.60E-06	1.83E-06	2.14E-04
2128	495411.06, 3859651.99	0.05684	0.0983	0.03058	0.02112	2.30E-04	2.93E-03	1.95E-04	6.67E-05	3.42E-03	2.09E-04	0.00E+00	2.60E-06	1.82E-06	2.13E-04
2129	495461.06, 3859651.99	0.05642	0.09639	0.03066	0.02096	2.28E-04	2.88E-03	1.96E-04	6.62E-05	3.37E-03	2.07E-04	0.00E+00	2.61E-06	1.80E-06	2.12E-04
2130	495511.06, 3859651.99	0.05604	0.09478	0.03068	0.02081	2.27E-04	2.83E-03	1.96E-04	6.57E-05	3.32E-03	2.06E-04	0.00E+00	2.61E-06	1.79E-06	2.10E-04
2131	495561.06, 3859651.99	0.05583	0.09399	0.0306	0.02068	2.26E-04	2.80E-03	1.95E-04	6.53E-05	3.29E-03	2.05E-04	0.00E+00	2.60E-06	1.78E-06	2.10E-04
2132	495611.06, 3859651.99	0.05553	0.09283	0.03055	0.02055	2.24E-04	2.77E-03	1.95E-04	6.49E-05	3.25E-03	2.04E-04	0.00E+00	2.60E-06	1.77E-06	2.09E-04
2133	495661.06, 3859651.99	0.0552	0.09155	0.03052	0.0204	2.23E-04	2.73E-03	1.95E-04	6.44E-05	3.21E-03	2.03E-04	0.00E+00	2.60E-06	1.76E-06	2.07E-04
2134	494311.06, 3859701.99	0.06136	0.12835	0.02858	0.02385	2.48E-04	3.83E-03	1.82E-04	7.53E-05	4.33E-03	2.26E-04	0.00E+00	2.43E-06	2.05E-06	2.30E-04
2135	494361.06, 3859701.99	0.06103	0.12629	0.02883	0.0237	2.47E-04	3.77E-03	1.84E-04	7.48E-05	4.27E-03	2.24E-04	0.00E+00	2.45E-06	2.04E-06	2.29E-04
2136	494411.06, 3859701.99	0.06083	0.12531	0.02883	0.02353	2.46E-04	3.74E-03	1.84E-04	7.43E-05	4.24E-03	2.24E-04	0.00E+00	2.45E-06	2.03E-06	2.28E-04
2137	494461.06, 3859701.99	0.0608	0.12599	0.0285	0.02334	2.46E-04	3.76E-03	1.82E-04	7.37E-05	4.26E-03	2.24E-04	0.00E+00	2.42E-06	2.01E-06	2.28E-04
2138	494511.06, 3859701.99	0.06055	0.12431	0.02863	0.02319	2.45E-04	3.71E-03	1.83E-04	7.32E-05	4.21E-03	2.23E-04	0.00E+00	2.43E-06	2.00E-06	2.27E-04
2139	494561.06, 3859701.99	0.06035	0.12318	0.02864	0.02303	2.44E-04	3.67E-03	1.83E-04	7.27E-05	4.17E-03	2.22E-04	0.00E+00	2.44E-06	1.98E-06	2.26E-04
2140	494611.06, 3859701.99	0.06013	0.12193	0.02869	0.02288	2.43E-04	3.64E-03	1.83E-04	7.22E-05	4.14E-03	2.21E-04	0.00E+00	2.44E-06	1.97E-06	2.25E-04
2141	494661.06, 3859701.99	0.05959	0.11758	0.02935	0.02278	2.41E-04	3.51E-03	1.87E-04	7.19E-05	4.01E-03	2.19E-04	0.00E+00	2.50E-06	1.96E-06	2.24E-04
2142	494711.06, 3859701.99	0.05948	0.11718	0.02922	0.02262	2.40E-04	3.50E-03	1.86E-04	7.14E-05	3.99E-03	2.19E-04	0.00E+00	2.49E-06	1.95E-06	2.23E-04
2143	494761.06, 3859701.99	0.05918	0.11521	0.02941	0.02248	2.39E-04	3.44E-03	1.88E-04	7.10E-05	3.93E-03	2.18E-04	0.00E+00	2.50E-06	1.94E-06	2.22E-04
2144	494811.06, 3859701.99	0.05888	0.1132	0.02961	0.02235	2.38E-04	3.38E-03	1.89E-04	7.06E-05	3.87E-03	2.16E-04	0.00E+00	2.52E-06	1.92E-06	2.21E-04
2145	494861.06, 3859701.99	0.05879	0.11299	0.02943	0.0222	2.38E-04	3.37E-03	1.88E-04	7.01E-05	3.87E-03	2.16E-04	0.00E+00	2.50E-06	1.91E-06	2.21E-04
2146	494911.06, 3859701.99	0.05853	0.11137	0.02954	0.02206	2.37E-04	3.32E-03	1.88E-04	6.97E-05	3.82E-03	2.15E-04	0.00E+00	2.51E-06	1.90E-06	2.20E-04
2147	494961.06, 3859701.99	0.05828	0.10983	0.02963	0.02193	2.36E-04	3.28E-03	1.89E-04	6.92E-05	3.77E-03	2.14E-04	0.00E+00	2.52E-06	1.89E-06	2.19E-04
2148	495011.06, 3859701.99	0.05811	0.10898	0.02958	0.02179	2.35E-04	3.25E-03	1.89E-04	6.88E-05	3.74E-03	2.14E-04	0.00E+00	2.52E-06	1.88E-06	2.18E-04
2149	495061.06, 3859701.99	0.05789	0.10774	0.02961	0.02166	2.34E-04	3.21E-03	1.89E-04	6.84E-05	3.71E-03	2.13E-04	0.00E+00	2.52E-06	1.87E-06	2.17E-04
2150	495111.06, 3859701.99	0.05766	0.10648	0.02964	0.02153	2.33E-04	3.18E-03	1.89E-04	6.80E-05	3.67E-03	2.12E-04	0.00E+00	2.52E-06	1.85E-06	2.16E-04
2151	495161.06, 3859701.99	0.05741	0.10509	0.0297	0.0214	2.32E-04	3.14E-03	1.89E-04	6.76E-05	3.62E-03	2.11E-04	0.00E+00	2.53E-06	1.84E-06	2.15E-04
2152	495211.06, 3859701.99	0.05714	0.10365	0.02976	0.02127	2.31E-04	3.09E-03	1.90E-04	6.72E-05	3.58E-03	2.10E-04	0.00E+00	2.53E-06	1.83E-06	2.14E-04
2153	495261.06, 3859701.99	0.05704	0.1033	0.02961	0.02114	2.31E-04	3.08E-03	1.89E-04	6.67E-05	3.57E-03	2.10E-04	0.00E+00	2.52E-06	1.82E-06	2.14E-04
2154	495311.06, 3859701.99	0.05679	0.102	0.02964	0.02101	2.30E-04	3.04E-03	1.89E-04	6.63E-05	3.53E-03	2.09E-04	0.00E+00	2.52E-06	1.81E-06	2.13E-04
2155	495361.06, 3859701.99	0.05655	0.10076	0.02965	0.02089	2.29E-04	3.01E-03	1.89E-04	6.60E-05	3.49E-03	2.08E-04	0.00E+00	2.52E-06	1.80E-06	2.12E-04
2156	495411.06, 3859701.99	0.05623	0.09915	0.02974	0.02075	2.27E-04	2.96E-03	1.90E-04	6.55E-05	3.44E-03	2.07E-04	0.00E+00	2.53E-06	1.79E-06	2.11E-04
2157	495461.06, 3859701.99	0.05596	0.09791	0.02975	0.02063	2.26E-04	2.92E-03	1.90E-04	6.51E-05	3.40E-03	2.06E-04	0.00E+00	2.53E-06	1.78E-06	2.10E-04
2158	495511.06, 3859701.99	0.0555	0.09565	0.02991	0.02048	2.24E-04	2.85E-03	1.91E-04	6.47E-05	3.33E-03	2.04E-04	0.00E+00	2.54E-06	1.76E-06	2.08E-04
2159	495561.06, 3859701.99	0.05545	0.09562	0.02972	0.02037	2.24E-04	2.85E-03	1.90E-04	6.43E-05	3.33E-03	2.04E-04	0.00E+00	2.53E-06	1.75E-06	2.08E-04
2160	495611.06, 3859701.99	0.05519	0.09452	0.0297	0.02025	2.23E-04	2.82E-03	1.89E-04	6.39E-05	3.30E-03	2.03E-04	0.00E+00	2.53E-06	1.74E-06	2.07E-04
2161	495661.06, 3859701.99	0.0549	0.09332	0.02969	0.02012	2.22E-04	2.78E-03	1.89E-04	6.35E-05	3.26E-03	2.02E-04	0.00E+00	2.53E-06	1.73E-06	2.06E-04
2162	494311.06, 3859751.99	0.06065	0.13072	0.02706	0.0233	2.45E-04	3.90E-03	1.73E-04	7.36E-05	4.39E-03	2.23E-04	0.00E+00	2.30E-06	2.01E-06	2.27E-04
2163	494361.06, 3859751.99	0.06038	0.129	0.0272	0.02315	2.44E-04	3.85E-03	1.73E-04	7.31E-05	4.34E-03	2.22E-04	0.00E+00	2.31E-06	1.99E-06	2.26E-04
2164	494411.06, 3859751.99	0.06008	0.12688	0.02741	0.02301	2.43E-04	3.79E-03	1.75E-04	7.27E-05	4.28E-03	2.21E-04	0.00E+00	2.33E-06	1.98E-06	2.25E-04
2165	494461.06, 3859751.99	0.05998	0.12707	0.02721	0.02282	2.42E-04	3.79E-03	1.74E-04	7.21E-05	4.28E-03	2.21E-04	0.00E+00	2.31E-06	1.97E-06	2.25E-04
2166	494511.06, 3859751.99	0.05983	0.12653	0.02714	0.02266	2.42E-04	3.77E-03	1.73E-04	7.15E-05	4.26E-03	2.20E-04	0.00E+00	2.31E-06	1.95E-06	2.24E-04
2167	494561.06, 3859751.99	0.05959	0.12495	0.02725	0.02251	2.41E-04	3.73E-03	1.74E-04	7.11E-05	4.21E-03	2.19E-04	0.00E+00	2.32E-06	1.94E-06	2.23E-04
2168	494611.06, 3859751.99	0.0593	0.12287	0.02746	0.02239	2.40E-04	3.67E-03	1.75E-04	7.07E-05	4.15E-03	2.18E-04	0.00E+00	2.34E-06	1.93E-06	2.22E-04
2169	494661.06, 3859751.99	0.05893	0.11957	0.02787	0.02228	2.38E-04	3.57E-03	1.78E-04	7.03E-05	4.05E-03	2.17E-04	0.00E+00	2.37E-06	1.92E-06	2.21E-04
2170	494711.06, 3859751.99	0.05878	0.11919	0.0278	0.02213	2.38E-04	3.56E-03	1.77E-04	6.99E-05	4.04E-03	2.16E-04	0.00E+00	2.36E-06	1.91E-06	2.20E-04
2171	494761.06, 3859751.99	0.05859	0.11813	0.02782	0.02198	2.37E-04	3.52E-03	1.77E-04	6.94E-05	4.01E-03	2.15E-04	0.00E+00	2.37E-06	1.89E-06	2.20E-04
2172	494811.06, 3859751.99	0.05833	0.11633	0.02799	0.02186	2.36E-04	3.47E-03	1.79E-04	6.90E-05	3.95E-03	2.14E-04	0.00E+00	2.38E-06	1.88E-06	2.19E-04

2173	494861.06, 3859751.99	0.05813	0.1151	0.02804	0.02173	2.35E-04	3.43E-03	1.79E-04	6.86E-05	3.92E-03	2.14E-04	0.00E+00	2.38E-06	1.87E-06	2.18E-04
2174	494911.06, 3859751.99	0.05792	0.11382	0.0281	0.0216	2.34E-04	3.40E-03	1.79E-04	6.82E-05	3.88E-03	2.13E-04	0.00E+00	2.39E-06	1.86E-06	2.17E-04
2175	494961.06, 3859751.99	0.05772	0.11258	0.02815	0.02147	2.33E-04	3.36E-03	1.80E-04	6.78E-05	3.84E-03	2.12E-04	0.00E+00	2.39E-06	1.85E-06	2.16E-04
2176	495011.06, 3859751.99	0.0575	0.1112	0.02823	0.02134	2.32E-04	3.32E-03	1.80E-04	6.74E-05	3.80E-03	2.11E-04	0.00E+00	2.40E-06	1.84E-06	2.16E-04
2177	495061.06, 3859751.99	0.05733	0.1103	0.02821	0.02121	2.32E-04	3.29E-03	1.80E-04	6.70E-05	3.77E-03	2.11E-04	0.00E+00	2.40E-06	1.83E-06	2.15E-04
2178	495111.06, 3859751.99	0.05712	0.10899	0.02827	0.02109	2.31E-04	3.25E-03	1.80E-04	6.66E-05	3.73E-03	2.10E-04	0.00E+00	2.40E-06	1.82E-06	2.14E-04
2179	495161.06, 3859751.99	0.05688	0.10753	0.02837	0.02097	2.30E-04	3.21E-03	1.81E-04	6.62E-05	3.69E-03	2.09E-04	0.00E+00	2.41E-06	1.81E-06	2.13E-04
2180	495211.06, 3859751.99	0.05664	0.10603	0.02847	0.02085	2.29E-04	3.16E-03	1.82E-04	6.58E-05	3.64E-03	2.08E-04	0.00E+00	2.42E-06	1.80E-06	2.12E-04
2181	495261.06, 3859751.99	0.05646	0.10509	0.02845	0.02073	2.28E-04	3.14E-03	1.81E-04	6.55E-05	3.61E-03	2.08E-04	0.00E+00	2.42E-06	1.79E-06	2.12E-04
2182	495311.06, 3859751.99	0.05623	0.10379	0.02851	0.02061	2.27E-04	3.10E-03	1.82E-04	6.51E-05	3.57E-03	2.07E-04	0.00E+00	2.42E-06	1.77E-06	2.11E-04
2183	495361.06, 3859751.99	0.05601	0.10262	0.02854	0.0205	2.26E-04	3.06E-03	1.82E-04	6.47E-05	3.53E-03	2.06E-04	0.00E+00	2.43E-06	1.77E-06	2.10E-04
2184	495411.06, 3859751.99	0.0558	0.1015	0.02856	0.02038	2.26E-04	3.03E-03	1.82E-04	6.43E-05	3.50E-03	2.05E-04	0.00E+00	2.43E-06	1.75E-06	2.09E-04
2185	495461.06, 3859751.99	0.0555	0.09983	0.02868	0.02027	2.24E-04	2.98E-03	1.83E-04	6.40E-05	3.45E-03	2.04E-04	0.00E+00	2.44E-06	1.75E-06	2.08E-04
2186	495511.06, 3859751.99	0.05519	0.09817	0.0288	0.02015	2.23E-04	2.93E-03	1.84E-04	6.36E-05	3.40E-03	2.03E-04	0.00E+00	2.45E-06	1.74E-06	2.07E-04
2187	495561.06, 3859751.99	0.05496	0.09701	0.0288	0.02003	2.22E-04	2.89E-03	1.84E-04	6.32E-05	3.36E-03	2.02E-04	0.00E+00	2.45E-06	1.72E-06	2.06E-04
2188	495611.06, 3859751.99	0.05473	0.09593	0.0288	0.01991	2.21E-04	2.86E-03	1.84E-04	6.29E-05	3.33E-03	2.01E-04	0.00E+00	2.45E-06	1.71E-06	2.05E-04
2189	495661.06, 3859751.99	0.05454	0.09514	0.02875	0.0198	2.20E-04	2.84E-03	1.83E-04	6.25E-05	3.30E-03	2.01E-04	0.00E+00	2.45E-06	1.70E-06	2.05E-04
2190	494311.06, 3859801.99	0.05995	0.13298	0.02559	0.02274	2.42E-04	3.97E-03	1.63E-04	7.18E-05	4.44E-03	2.20E-04	0.00E+00	2.18E-06	1.96E-06	2.25E-04
2191	494361.06, 3859801.99	0.05963	0.13052	0.02583	0.02261	2.41E-04	3.89E-03	1.65E-04	7.14E-05	4.37E-03	2.19E-04	0.00E+00	2.20E-06	1.95E-06	2.23E-04
2192	494411.06, 3859801.99	0.0593	0.12795	0.02611	0.02249	2.40E-04	3.82E-03	1.67E-04	7.10E-05	4.29E-03	2.18E-04	0.00E+00	2.22E-06	1.94E-06	2.22E-04
2193	494461.06, 3859801.99	0.05918	0.12793	0.02598	0.02231	2.39E-04	3.82E-03	1.66E-04	7.04E-05	4.29E-03	2.18E-04	0.00E+00	2.21E-06	1.92E-06	2.22E-04
2194	494511.06, 3859801.99	0.05907	0.1281	0.02581	0.02213	2.39E-04	3.82E-03	1.65E-04	6.99E-05	4.29E-03	2.17E-04	0.00E+00	2.20E-06	1.91E-06	2.21E-04
2195	494561.06, 3859801.99	0.05884	0.12661	0.02591	0.02199	2.38E-04	3.78E-03	1.65E-04	6.94E-05	4.25E-03	2.16E-04	0.00E+00	2.20E-06	1.89E-06	2.20E-04
2196	494611.06, 3859801.99	0.05848	0.12357	0.02628	0.02189	2.36E-04	3.69E-03	1.68E-04	6.91E-05	4.16E-03	2.15E-04	0.00E+00	2.24E-06	1.88E-06	2.19E-04
2197	494661.06, 3859801.99	0.05824	0.12189	0.02643	0.02176	2.35E-04	3.64E-03	1.69E-04	6.87E-05	4.11E-03	2.14E-04	0.00E+00	2.25E-06	1.87E-06	2.18E-04
2198	494711.06, 3859801.99	0.05796	0.1198	0.02666	0.02165	2.34E-04	3.57E-03	1.70E-04	6.84E-05	4.05E-03	2.13E-04	0.00E+00	2.27E-06	1.86E-06	2.17E-04
2199	494761.06, 3859801.99	0.05787	0.11991	0.02647	0.02148	2.34E-04	3.58E-03	1.69E-04	6.78E-05	4.05E-03	2.13E-04	0.00E+00	2.25E-06	1.85E-06	2.17E-04
2200	494811.06, 3859801.99	0.05764	0.1183	0.0266	0.02136	2.33E-04	3.53E-03	1.70E-04	6.74E-05	4.00E-03	2.12E-04	0.00E+00	2.26E-06	1.84E-06	2.16E-04
2201	494861.06, 3859801.99	0.05745	0.11722	0.02664	0.02123	2.32E-04	3.50E-03	1.70E-04	6.70E-05	3.97E-03	2.11E-04	0.00E+00	2.27E-06	1.83E-06	2.15E-04
2202	494911.06, 3859801.99	0.05721	0.11545	0.02681	0.02112	2.31E-04	3.44E-03	1.71E-04	6.67E-05	3.91E-03	2.10E-04	0.00E+00	2.28E-06	1.82E-06	2.14E-04
2203	494961.06, 3859801.99	0.05701	0.11421	0.02687	0.021	2.30E-04	3.41E-03	1.71E-04	6.63E-05	3.88E-03	2.10E-04	0.00E+00	2.29E-06	1.81E-06	2.14E-04
2204	495011.06, 3859801.99	0.0568	0.11287	0.02696	0.02088	2.30E-04	3.37E-03	1.72E-04	6.59E-05	3.83E-03	2.09E-04	0.00E+00	2.29E-06	1.80E-06	2.13E-04
2205	495061.06, 3859801.99	0.05662	0.11183	0.02698	0.02076	2.29E-04	3.34E-03	1.72E-04	6.55E-05	3.80E-03	2.08E-04	0.00E+00	2.29E-06	1.79E-06	2.12E-04
2206	495111.06, 3859801.99	0.0564	0.11028	0.02711	0.02064	2.28E-04	3.29E-03	1.73E-04	6.52E-05	3.76E-03	2.07E-04	0.00E+00	2.31E-06	1.78E-06	2.11E-04
2207	495161.06, 3859801.99	0.05618	0.10884	0.02722	0.02053	2.27E-04	3.25E-03	1.74E-04	6.48E-05	3.71E-03	2.07E-04	0.00E+00	2.31E-06	1.77E-06	2.11E-04
2208	495211.06, 3859801.99	0.056	0.10783	0.02723	0.02042	2.26E-04	3.22E-03	1.74E-04	6.45E-05	3.68E-03	2.06E-04	0.00E+00	2.32E-06	1.76E-06	2.10E-04
2209	495261.06, 3859801.99	0.05578	0.10636	0.02735	0.02031	2.25E-04	3.17E-03	1.74E-04	6.41E-05	3.64E-03	2.05E-04	0.00E+00	2.33E-06	1.75E-06	2.09E-04
2210	495311.06, 3859801.99	0.05561	0.10547	0.02734	0.02019	2.25E-04	3.15E-03	1.74E-04	6.37E-05	3.61E-03	2.04E-04	0.00E+00	2.33E-06	1.74E-06	2.09E-04
2211	495361.06, 3859801.99	0.0554	0.10418	0.02741	0.02009	2.24E-04	3.11E-03	1.75E-04	6.34E-05	3.57E-03	2.04E-04	0.00E+00	2.33E-06	1.73E-06	2.08E-04
2212	495411.06, 3859801.99	0.05516	0.10267	0.02753	0.01998	2.23E-04	3.06E-03	1.76E-04	6.31E-05	3.52E-03	2.03E-04	0.00E+00	2.34E-06	1.72E-06	2.07E-04
2213	495461.06, 3859801.99	0.05494	0.10149	0.02758	0.01987	2.22E-04	3.03E-03	1.76E-04	6.27E-05	3.49E-03	2.02E-04	0.00E+00	2.35E-06	1.71E-06	2.06E-04
2214	495511.06, 3859801.99	0.05466	0.09973	0.02774	0.01977	2.21E-04	2.98E-03	1.77E-04	6.24E-05	3.44E-03	2.01E-04	0.00E+00	2.36E-06	1.70E-06	2.05E-04
2215	495561.06, 3859801.99	0.05447	0.09877	0.02774	0.01966	2.20E-04	2.95E-03	1.77E-04	6.21E-05	3.41E-03	2.00E-04	0.00E+00	2.36E-06	1.69E-06	2.04E-04
2216	495611.06, 3859801.99	0.05434	0.0983	0.02764	0.01956	2.20E-04	2.93E-03	1.76E-04	6.18E-05	3.39E-03	2.00E-04	0.00E+00	2.35E-06	1.68E-06	2.04E-04
2217	495661.06, 3859801.99	0.05406	0.09677	0.02775	0.01945	2.19E-04	2.89E-03	1.77E-04	6.14E-05	3.34E-03	1.99E-04	0.00E+00	2.36E-06	1.67E-06	2.03E-04
2218	494311.06, 3859851.99	0.05919	0.13411	0.02437	0.0222	2.39E-04	4.00E-03	1.55E-04	7.01E-05	4.47E-03	2.18E-04	0.00E+00	2.07E-06	1.91E-06	2.22E-04
2219	494361.06, 3859851.99	0.05892	0.13214	0.02453	0.02206	2.38E-04	3.94E-03	1.56E-04	6.97E-05	4.41E-03	2.17E-04	0.00E+00	2.09E-06	1.90E-06	2.21E-04
2220	494411.06, 3859851.99	0.05862	0.12992	0.02473	0.02194	2.37E-04	3.88E-03	1.58E-04	6.93E-05	4.34E-03	2.16E-04	0.00E+00	2.10E-06	1.89E-06	2.20E-04
2221	494461.06, 3859851.99	0.05837	0.12831	0.02485	0.02181	2.36E-04	3.83E-03	1.59E-04	6.89E-05	4.29E-03	2.15E-04	0.00E+00	2.11E-06	1.88E-06	2.19E-04
2222	494511.06, 3859851.99	0.05821	0.12786	0.02481	0.02164	2.35E-04	3.81E-03	1.58E-04	6.83E-05	4.28E-03	2.14E-04	0.00E+00	2.11E-06	1.86E-06	2.18E-04
2223	494561.06, 3859851.99	0.05808	0.12768	0.02472	0.02147	2.35E-04	3.81E-03	1.58E-04	6.78E-05	4.27E-03	2.14E-04	0.00E+00	2.10E-06	1.85E-06	2.17E-04
2224	494611.06, 3859851.99	0.05772	0.1245	0.02508	0.02139	2.33E-04	3.71E-03	1.60E-04	6.75E-05	4.18E-03	2.12E-04	0.00E+00	2.13E-06	1.84E-06	2.16E-04
2225	494661.06, 3859851.99	0.05755	0.12381	0.02506	0.02124	2.33E-04	3.69E-03	1.60E-04	6.71E-05	4.15E-03	2.12E-04	0.00E+00	2.13E-06	1.83E-06	2.16E-04
2226	494711.06, 3859851.99	0.05726	0.12147	0.02532	0.02114	2.31E-04	3.62E-03	1.62E-04	6.67E-05	4.08E-03	2.11E-04	0.00E+00	2.15E-06	1.82E-06	2.14E-04
2227	494761.06, 3859851.99	0.05714	0.12133	0.0252	0.02098	2.31E-04	3.62E-03	1.61E-04	6.62E-05	4.08E-03	2.10E-04	0.00E+00	2.14E-06	1.81E-06	2.14E-04
2228	494811.06, 3859851.99	0.05692	0.11985	0.02532	0.02087	2.30E-04	3.58E-03	1.62E-04	6.59E-05	4.03E-03	2.09E-04	0.00E+00	2.15E-06	1.80E-06	2.13E-04
2229	494861.06, 3859851.99	0.05675	0.11895	0.02533	0.02073	2.29E-04	3.55E-03	1.62E-04	6.55E-05	4.01E-03	2.09E-04	0.00E+00	2.15E-06	1.79E-06	2.13E-04
2230	494911.06, 3859851.99	0.05651	0.11725	0.02549	0.02063	2.28E-04	3.50E-03	1.63E-04	6.51E-05	3.95E-03	2.08E-04	0.00E+00	2.17E-06	1.78E-06	2.12E-04
2231	494961.06, 3859851.99	0.05632	0.11598	0.02557	0.02051	2.28E-04	3.46E-03	1.63E-04	6.48E-05	3.92E-03	2.07E-04	0.00E+00	2.17E-06	1.77E-06	2.11E-04
2232	495011.06, 3859851.99	0.05612	0.11468	0.02565	0.0204	2.27E-04	3.42E-03	1.64E-04	6.44E-05	3.88E-03	2.06E-04	0.00E+00	2.18E-06	1.76E-06	2.10E-04
2233	495061.06, 3859851.99	0.05594	0.11364	0.02569	0.02028	2.26E-04	3.39E-03	1.64E-04	6.40E-05	3.84E-03	2.06E-04	0.00E+00	2.18E-06	1.75E-06	2.10E-04
2234	495111.06, 3859851.99	0.05571	0.11196	0.02585	0.02018	2.25E-04	3.34E-03	1.65E-04	6.37E-05	3.79E-03	2.05E-04	0.00E+00	2.20E-06	1.74E-06	2.09E-04
2235	495161.06, 3859851.99	0.05551	0.11061	0.02595	0.02008	2.24E-04	3.30E-03	1.66E-04	6.34E-05	3.75E-03	2.04E-04	0.00E+00	2.21E-06	1.73E-06	2.08E-04
2236	495211.06, 3859851.99	0.05532	0.10938	0.02602	0.01997	2.24E-04	3.26E-03	1.66E-04	6.31E-05	3.72E-03	2.03E-04	0.00E+00	2.21E-06	1.72E-06	2.07E-04

2237	495261.06, 3859851.99	0.05512	0.10805	0.02612	0.01987	2.23E-04	3.22E-03	1.67E-04	6.27E-05	3.68E-03	2.03E-04	0.00E+00	2.22E-06	1.71E-06	2.07E-04
2238	495311.06, 3859851.99	0.05495	0.10703	0.02615	0.01976	2.22E-04	3.19E-03	1.67E-04	6.24E-05	3.64E-03	2.02E-04	0.00E+00	2.22E-06	1.70E-06	2.06E-04
2239	495361.06, 3859851.99	0.05477	0.10588	0.02621	0.01966	2.21E-04	3.16E-03	1.67E-04	6.21E-05	3.61E-03	2.01E-04	0.00E+00	2.23E-06	1.69E-06	2.05E-04
2240	495411.06, 3859851.99	0.05455	0.10441	0.02633	0.01956	2.21E-04	3.11E-03	1.68E-04	6.18E-05	3.57E-03	2.01E-04	0.00E+00	2.24E-06	1.68E-06	2.04E-04
2241	495461.06, 3859851.99	0.05433	0.10301	0.02645	0.01947	2.20E-04	3.07E-03	1.69E-04	6.15E-05	3.52E-03	2.00E-04	0.00E+00	2.25E-06	1.68E-06	2.04E-04
2242	495511.06, 3859851.99	0.05409	0.10143	0.02659	0.01937	2.19E-04	3.03E-03	1.70E-04	6.12E-05	3.48E-03	1.99E-04	0.00E+00	2.26E-06	1.67E-06	2.03E-04
2243	495561.06, 3859851.99	0.05394	0.10063	0.02658	0.01927	2.18E-04	3.00E-03	1.70E-04	6.08E-05	3.45E-03	1.98E-04	0.00E+00	2.26E-06	1.66E-06	2.02E-04
2244	495611.06, 3859851.99	0.05377	0.09975	0.02658	0.01917	2.17E-04	2.98E-03	1.70E-04	6.05E-05	3.42E-03	1.98E-04	0.00E+00	2.26E-06	1.65E-06	2.02E-04
2245	495661.06, 3859851.99	0.05352	0.09827	0.0267	0.01908	2.16E-04	2.93E-03	1.70E-04	6.02E-05	3.38E-03	1.97E-04	0.00E+00	2.27E-06	1.64E-06	2.01E-04
2246	494311.06, 3859901.99	0.05844	0.13487	0.02328	0.02167	2.36E-04	4.02E-03	1.48E-04	6.84E-05	4.48E-03	2.15E-04	0.00E+00	1.98E-06	1.87E-06	2.19E-04
2247	494361.06, 3859901.99	0.05811	0.13202	0.02352	0.02157	2.35E-04	3.94E-03	1.50E-04	6.81E-05	4.39E-03	2.14E-04	0.00E+00	2.00E-06	1.86E-06	2.17E-04
2248	494411.06, 3859901.99	0.05791	0.13116	0.02354	0.02141	2.34E-04	3.91E-03	1.50E-04	6.76E-05	4.36E-03	2.13E-04	0.00E+00	2.00E-06	1.84E-06	2.17E-04
2249	494461.06, 3859901.99	0.05767	0.12962	0.02365	0.02128	2.33E-04	3.87E-03	1.51E-04	6.72E-05	4.32E-03	2.12E-04	0.00E+00	2.01E-06	1.83E-06	2.16E-04
2250	494511.06, 3859901.99	0.05747	0.12865	0.02368	0.02113	2.32E-04	3.84E-03	1.51E-04	6.67E-05	4.29E-03	2.11E-04	0.00E+00	2.01E-06	1.82E-06	2.15E-04
2251	494561.06, 3859901.99	0.05736	0.12888	0.02357	0.02096	2.32E-04	3.84E-03	1.50E-04	6.62E-05	4.29E-03	2.11E-04	0.00E+00	2.00E-06	1.80E-06	2.15E-04
2252	494611.06, 3859901.99	0.057	0.12561	0.0239	0.02088	2.30E-04	3.75E-03	1.52E-04	6.59E-05	4.20E-03	2.10E-04	0.00E+00	2.03E-06	1.80E-06	2.13E-04
2253	494661.06, 3859901.99	0.05688	0.12557	0.02381	0.02072	2.30E-04	3.75E-03	1.52E-04	6.54E-05	4.19E-03	2.09E-04	0.00E+00	2.02E-06	1.78E-06	2.13E-04
2254	494711.06, 3859901.99	0.05652	0.12244	0.02415	0.02065	2.28E-04	3.65E-03	1.54E-04	6.52E-05	4.10E-03	2.08E-04	0.00E+00	2.05E-06	1.78E-06	2.12E-04
2255	494761.06, 3859901.99	0.05637	0.12194	0.02412	0.0205	2.28E-04	3.64E-03	1.54E-04	6.47E-05	4.08E-03	2.07E-04	0.00E+00	2.05E-06	1.77E-06	2.11E-04
2256	494811.06, 3859901.99	0.05623	0.12147	0.02407	0.02036	2.27E-04	3.62E-03	1.54E-04	6.43E-05	4.07E-03	2.07E-04	0.00E+00	2.05E-06	1.75E-06	2.11E-04
2257	494861.06, 3859901.99	0.05605	0.12048	0.02411	0.02024	2.27E-04	3.59E-03	1.54E-04	6.39E-05	4.04E-03	2.06E-04	0.00E+00	2.05E-06	1.74E-06	2.10E-04
2258	494911.06, 3859901.99	0.05581	0.11876	0.02426	0.02014	2.26E-04	3.54E-03	1.55E-04	6.36E-05	3.99E-03	2.05E-04	0.00E+00	2.06E-06	1.73E-06	2.09E-04
2259	494961.06, 3859901.99	0.05563	0.11768	0.02431	0.02002	2.25E-04	3.51E-03	1.55E-04	6.32E-05	3.95E-03	2.05E-04	0.00E+00	2.07E-06	1.72E-06	2.08E-04
2260	495011.06, 3859901.99	0.05542	0.11616	0.02443	0.01992	2.24E-04	3.47E-03	1.56E-04	6.29E-05	3.91E-03	2.04E-04	0.00E+00	2.08E-06	1.72E-06	2.08E-04
2261	495061.06, 3859901.99	0.05522	0.11485	0.02453	0.01981	2.23E-04	3.43E-03	1.56E-04	6.25E-05	3.87E-03	2.03E-04	0.00E+00	2.09E-06	1.71E-06	2.07E-04
2262	495111.06, 3859901.99	0.05499	0.11316	0.02469	0.01972	2.22E-04	3.38E-03	1.57E-04	6.23E-05	3.82E-03	2.02E-04	0.00E+00	2.10E-06	1.70E-06	2.06E-04
2263	495161.06, 3859901.99	0.05478	0.11161	0.02483	0.01963	2.21E-04	3.33E-03	1.58E-04	6.20E-05	3.77E-03	2.01E-04	0.00E+00	2.11E-06	1.69E-06	2.05E-04
2264	495211.06, 3859901.99	0.05462	0.11074	0.02484	0.01951	2.21E-04	3.30E-03	1.58E-04	6.16E-05	3.74E-03	2.01E-04	0.00E+00	2.11E-06	1.68E-06	2.05E-04
2265	495261.06, 3859901.99	0.05439	0.10896	0.02504	0.01943	2.20E-04	3.25E-03	1.60E-04	6.13E-05	3.69E-03	2.00E-04	0.00E+00	2.13E-06	1.67E-06	2.04E-04
2266	495311.06, 3859901.99	0.05424	0.10813	0.02504	0.01932	2.19E-04	3.23E-03	1.60E-04	6.10E-05	3.67E-03	1.99E-04	0.00E+00	2.13E-06	1.66E-06	2.03E-04
2267	495361.06, 3859901.99	0.05405	0.10682	0.02514	0.01923	2.18E-04	3.19E-03	1.60E-04	6.07E-05	3.63E-03	1.99E-04	0.00E+00	2.14E-06	1.66E-06	2.03E-04
2268	495411.06, 3859901.99	0.05384	0.10531	0.02529	0.01914	2.18E-04	3.14E-03	1.61E-04	6.04E-05	3.58E-03	1.98E-04	0.00E+00	2.15E-06	1.65E-06	2.02E-04
2269	495461.06, 3859901.99	0.05364	0.104	0.02539	0.01905	2.17E-04	3.10E-03	1.62E-04	6.01E-05	3.54E-03	1.97E-04	0.00E+00	2.16E-06	1.64E-06	2.01E-04
2270	495511.06, 3859901.99	0.05349	0.10311	0.02541	0.01895	2.16E-04	3.08E-03	1.62E-04	5.98E-05	3.51E-03	1.97E-04	0.00E+00	2.16E-06	1.63E-06	2.00E-04
2271	495561.06, 3859901.99	0.05333	0.10221	0.02543	0.01886	2.16E-04	3.05E-03	1.62E-04	5.95E-05	3.49E-03	1.96E-04	0.00E+00	2.16E-06	1.62E-06	2.00E-04
2272	495611.06, 3859901.99	0.05312	0.10084	0.02554	0.01877	2.15E-04	3.01E-03	1.63E-04	5.93E-05	3.45E-03	1.95E-04	0.00E+00	2.17E-06	1.62E-06	1.99E-04
2273	495661.06, 3859901.99	0.0529	0.09939	0.02568	0.01869	2.14E-04	2.97E-03	1.64E-04	5.90E-05	3.40E-03	1.94E-04	0.00E+00	2.18E-06	1.61E-06	1.98E-04
2274	494311.06, 3859951.99	0.05786	0.13585	0.02226	0.02113	2.34E-04	4.05E-03	1.42E-04	6.67E-05	4.50E-03	2.13E-04	0.00E+00	1.89E-06	1.82E-06	2.16E-04
2275	494361.06, 3859951.99	0.05763	0.13384	0.02238	0.02101	2.33E-04	3.99E-03	1.43E-04	6.63E-05	4.43E-03	2.12E-04	0.00E+00	1.90E-06	1.81E-06	2.16E-04
2276	494411.06, 3859951.99	0.0572	0.13205	0.02249	0.02089	2.31E-04	3.94E-03	1.43E-04	6.60E-05	4.38E-03	2.10E-04	0.00E+00	1.91E-06	1.80E-06	2.14E-04
2277	494461.06, 3859951.99	0.05696	0.13056	0.02258	0.02076	2.30E-04	3.90E-03	1.44E-04	6.55E-05	4.33E-03	2.09E-04	0.00E+00	1.92E-06	1.79E-06	2.13E-04
2278	494511.06, 3859951.99	0.05677	0.12963	0.02261	0.02062	2.29E-04	3.87E-03	1.44E-04	6.51E-05	4.31E-03	2.09E-04	0.00E+00	1.92E-06	1.78E-06	2.12E-04
2279	494561.06, 3859951.99	0.05681	0.13017	0.0225	0.02044	2.30E-04	3.88E-03	1.44E-04	6.45E-05	4.32E-03	2.09E-04	0.00E+00	1.91E-06	1.76E-06	2.13E-04
2280	494611.06, 3859951.99	0.05635	0.1273	0.02273	0.02036	2.28E-04	3.80E-03	1.45E-04	6.43E-05	4.23E-03	2.07E-04	0.00E+00	1.93E-06	1.75E-06	2.11E-04
2281	494661.06, 3859951.99	0.0564	0.12704	0.02269	0.02021	2.28E-04	3.79E-03	1.45E-04	6.38E-05	4.23E-03	2.07E-04	0.00E+00	1.93E-06	1.74E-06	2.11E-04
2282	494711.06, 3859951.99	0.0559	0.12443	0.02291	0.02013	2.26E-04	3.71E-03	1.46E-04	6.36E-05	4.15E-03	2.06E-04	0.00E+00	1.95E-06	1.73E-06	2.09E-04
2283	494761.06, 3859951.99	0.05572	0.12351	0.02294	0.02	2.25E-04	3.68E-03	1.46E-04	6.31E-05	4.12E-03	2.05E-04	0.00E+00	1.95E-06	1.72E-06	2.09E-04
2284	494811.06, 3859951.99	0.05553	0.12239	0.023	0.01988	2.24E-04	3.65E-03	1.47E-04	6.28E-05	4.09E-03	2.04E-04	0.00E+00	1.96E-06	1.71E-06	2.08E-04
2285	494861.06, 3859951.99	0.05537	0.12176	0.023	0.01975	2.24E-04	3.63E-03	1.47E-04	6.24E-05	4.07E-03	2.04E-04	0.00E+00	1.96E-06	1.70E-06	2.07E-04
2286	494911.06, 3859951.99	0.05513	0.12001	0.02313	0.01965	2.23E-04	3.58E-03	1.48E-04	6.20E-05	4.01E-03	2.03E-04	0.00E+00	1.97E-06	1.69E-06	2.06E-04
2287	494961.06, 3859951.99	0.05491	0.11843	0.02326	0.01955	2.22E-04	3.53E-03	1.48E-04	6.17E-05	3.97E-03	2.02E-04	0.00E+00	1.98E-06	1.68E-06	2.06E-04
2288	495011.06, 3859951.99	0.0547	0.11701	0.02336	0.01945	2.21E-04	3.49E-03	1.49E-04	6.14E-05	3.92E-03	2.01E-04	0.00E+00	1.99E-06	1.67E-06	2.05E-04
2289	495061.06, 3859951.99	0.05451	0.11585	0.02343	0.01935	2.20E-04	3.46E-03	1.49E-04	6.11E-05	3.89E-03	2.00E-04	0.00E+00	1.99E-06	1.67E-06	2.04E-04
2290	495111.06, 3859951.99	0.05429	0.11419	0.02358	0.01926	2.19E-04	3.41E-03	1.50E-04	6.08E-05	3.84E-03	2.00E-04	0.00E+00	2.01E-06	1.66E-06	2.03E-04
2291	495161.06, 3859951.99	0.05407	0.11262	0.02373	0.01917	2.19E-04	3.36E-03	1.51E-04	6.05E-05	3.79E-03	1.99E-04	0.00E+00	2.02E-06	1.65E-06	2.02E-04
2292	495211.06, 3859951.99	0.05387	0.11109	0.02387	0.01909	2.18E-04	3.31E-03	1.52E-04	6.03E-05	3.74E-03	1.98E-04	0.00E+00	2.03E-06	1.64E-06	2.02E-04
2293	495261.06, 3859951.99	0.05368	0.10986	0.02396	0.01899	2.17E-04	3.28E-03	1.53E-04	6.00E-05	3.71E-03	1.97E-04	0.00E+00	2.04E-06	1.64E-06	2.01E-04
2294	495311.06, 3859951.99	0.05354	0.10913	0.02395	0.01888	2.16E-04	3.26E-03	1.53E-04	5.96E-05	3.68E-03	1.97E-04	0.00E+00	2.04E-06	1.63E-06	2.01E-04
2295	495361.06, 3859951.99	0.05337	0.10805	0.02402	0.01879	2.16E-04	3.22E-03	1.53E-04	5.93E-05	3.65E-03	1.96E-04	0.00E+00	2.04E-06	1.62E-06	2.00E-04
2296	495411.06, 3859951.99	0.05317	0.10659	0.02416	0.01871	2.15E-04	3.18E-03	1.54E-04	5.91E-05	3.61E-03	1.95E-04	0.00E+00	2.05E-06	1.61E-06	1.99E-04
2297	495461.06, 3859951.99	0.05298	0.10529	0.02426	0.01862	2.14E-04	3.14E-03	1.55E-04	5.88E-05	3.57E-03	1.95E-04	0.00E+00	2.06E-06	1.60E-06	1.98E-04
2298	495511.06, 3859951.99	0.05279	0.10399	0.02438	0.01854	2.13E-04	3.10E-03	1.56E-04	5.85E-05	3.53E-03	1.94E-04	0.00E+00	2.07E-06	1.60E-06	1.98E-04
2299	495561.06, 3859951.99	0.05267	0.10344	0.02433	0.01844	2.13E-04	3.09E-03	1.55E-04	5.82E-05	3.51E-03	1.94E-04	0.00E+00	2.07E-06	1.59E-06	1.97E-04
2300	495611.06, 3859951.99	0.05248	0.10208	0.02446	0.01836	2.12E-04	3.05E-03	1.56E-04	5.80E-05	3.47E-03	1.93E-04	0.00E+00	2.08E-06	1.58E-06	1.97E-04

2301	495661.06, 3859951.99	0.05226	0.10049	0.02463	0.01829	2.11E-04	3.00E-03	1.57E-04	5.77E-05	3.42E-03	1.92E-04	0.00E+00	2.09E-06	1.57E-06	1.96E-04
2302	494311.06, 3860001.99	0.05704	0.13649	0.02137	0.02061	2.31E-04	4.07E-03	1.36E-04	6.51E-05	4.50E-03	2.10E-04	0.00E+00	1.82E-06	1.77E-06	2.13E-04
2303	494361.06, 3860001.99	0.05682	0.13492	0.02144	0.02048	2.30E-04	4.03E-03	1.37E-04	6.47E-05	4.46E-03	2.09E-04	0.00E+00	1.82E-06	1.76E-06	2.12E-04
2304	494411.06, 3860001.99	0.0566	0.1326	0.02156	0.02038	2.29E-04	3.96E-03	1.38E-04	6.43E-05	4.39E-03	2.08E-04	0.00E+00	1.83E-06	1.75E-06	2.12E-04
2305	494461.06, 3860001.99	0.0564	0.13152	0.0216	0.02025	2.28E-04	3.92E-03	1.38E-04	6.39E-05	4.35E-03	2.07E-04	0.00E+00	1.84E-06	1.74E-06	2.11E-04
2306	494511.06, 3860001.99	0.05619	0.12976	0.0217	0.02013	2.27E-04	3.87E-03	1.38E-04	6.36E-05	4.30E-03	2.07E-04	0.00E+00	1.85E-06	1.73E-06	2.10E-04
2307	494561.06, 3860001.99	0.056	0.13093	0.02158	0.01994	2.26E-04	3.91E-03	1.38E-04	6.30E-05	4.33E-03	2.06E-04	0.00E+00	1.84E-06	1.72E-06	2.09E-04
2308	494611.06, 3860001.99	0.0558	0.12902	0.02169	0.01984	2.26E-04	3.85E-03	1.38E-04	6.26E-05	4.28E-03	2.05E-04	0.00E+00	1.84E-06	1.71E-06	2.09E-04
2309	494661.06, 3860001.99	0.0556	0.12792	0.02173	0.01971	2.25E-04	3.82E-03	1.39E-04	6.22E-05	4.24E-03	2.04E-04	0.00E+00	1.85E-06	1.70E-06	2.08E-04
2310	494711.06, 3860001.99	0.05517	0.12443	0.022	0.01966	2.23E-04	3.71E-03	1.40E-04	6.21E-05	4.14E-03	2.03E-04	0.00E+00	1.87E-06	1.69E-06	2.06E-04
2311	494761.06, 3860001.99	0.0552	0.12453	0.02194	0.01951	2.23E-04	3.72E-03	1.40E-04	6.16E-05	4.14E-03	2.03E-04	0.00E+00	1.87E-06	1.68E-06	2.06E-04
2312	494811.06, 3860001.99	0.05501	0.12363	0.02197	0.01939	2.22E-04	3.69E-03	1.40E-04	6.12E-05	4.11E-03	2.02E-04	0.00E+00	1.87E-06	1.67E-06	2.06E-04
2313	494861.06, 3860001.99	0.05483	0.12293	0.02198	0.01926	2.22E-04	3.67E-03	1.40E-04	6.08E-05	4.09E-03	2.02E-04	0.00E+00	1.87E-06	1.66E-06	2.05E-04
2314	494911.06, 3860001.99	0.05438	0.11981	0.02225	0.01921	2.20E-04	3.57E-03	1.42E-04	6.07E-05	4.00E-03	2.00E-04	0.00E+00	1.89E-06	1.65E-06	2.03E-04
2315	494961.06, 3860001.99	0.05422	0.11903	0.02228	0.0191	2.19E-04	3.55E-03	1.42E-04	6.03E-05	3.97E-03	1.99E-04	0.00E+00	1.89E-06	1.64E-06	2.03E-04
2316	495011.06, 3860001.99	0.05399	0.11747	0.02239	0.019	2.18E-04	3.50E-03	1.43E-04	6.00E-05	3.93E-03	1.98E-04	0.00E+00	1.90E-06	1.64E-06	2.02E-04
2317	495061.06, 3860001.99	0.05384	0.11676	0.0224	0.01889	2.18E-04	3.48E-03	1.43E-04	5.96E-05	3.90E-03	1.98E-04	0.00E+00	1.91E-06	1.63E-06	2.01E-04
2318	495111.06, 3860001.99	0.05362	0.11516	0.02253	0.0188	2.17E-04	3.44E-03	1.44E-04	5.94E-05	3.86E-03	1.97E-04	0.00E+00	1.92E-06	1.62E-06	2.01E-04
2319	495161.06, 3860001.99	0.0534	0.11359	0.02267	0.01872	2.16E-04	3.39E-03	1.45E-04	5.91E-05	3.81E-03	1.96E-04	0.00E+00	1.93E-06	1.61E-06	2.00E-04
2320	495211.06, 3860001.99	0.05325	0.11284	0.02268	0.01861	2.15E-04	3.37E-03	1.45E-04	5.88E-05	3.79E-03	1.96E-04	0.00E+00	1.93E-06	1.60E-06	1.99E-04
2321	495261.06, 3860001.99	0.05305	0.1114	0.0228	0.01853	2.14E-04	3.32E-03	1.45E-04	5.85E-05	3.74E-03	1.95E-04	0.00E+00	1.94E-06	1.60E-06	1.99E-04
2322	495311.06, 3860001.99	0.05287	0.11032	0.02286	0.01844	2.14E-04	3.29E-03	1.46E-04	5.82E-05	3.71E-03	1.94E-04	0.00E+00	1.94E-06	1.59E-06	1.98E-04
2323	495361.06, 3860001.99	0.05263	0.1083	0.02309	0.01838	2.13E-04	3.23E-03	1.47E-04	5.80E-05	3.65E-03	1.93E-04	0.00E+00	1.96E-06	1.58E-06	1.97E-04
2324	495411.06, 3860001.99	0.05251	0.1078	0.02306	0.01827	2.12E-04	3.22E-03	1.47E-04	5.77E-05	3.63E-03	1.93E-04	0.00E+00	1.96E-06	1.57E-06	1.97E-04
2325	495461.06, 3860001.99	0.05233	0.10658	0.02315	0.01819	2.12E-04	3.18E-03	1.48E-04	5.74E-05	3.60E-03	1.92E-04	0.00E+00	1.97E-06	1.57E-06	1.96E-04
2326	495511.06, 3860001.99	0.05216	0.10542	0.02324	0.01811	2.11E-04	3.15E-03	1.48E-04	5.72E-05	3.56E-03	1.92E-04	0.00E+00	1.98E-06	1.56E-06	1.95E-04
2327	495561.06, 3860001.99	0.05202	0.10467	0.02325	0.01801	2.10E-04	3.12E-03	1.48E-04	5.69E-05	3.54E-03	1.91E-04	0.00E+00	1.98E-06	1.55E-06	1.95E-04
2328	495611.06, 3860001.99	0.05182	0.10319	0.02339	0.01794	2.09E-04	3.08E-03	1.49E-04	5.66E-05	3.49E-03	1.91E-04	0.00E+00	1.99E-06	1.54E-06	1.94E-04
2329	495661.06, 3860001.99	0.05163	0.10179	0.02353	0.01787	2.09E-04	3.04E-03	1.50E-04	5.64E-05	3.45E-03	1.90E-04	0.00E+00	2.00E-06	1.54E-06	1.93E-04
2330	494411.06, 3860051.99	0.05581	0.13357	0.0207	0.01986	2.26E-04	3.98E-03	1.32E-04	6.27E-05	4.41E-03	2.05E-04	0.00E+00	1.76E-06	1.71E-06	2.09E-04
2331	494461.06, 3860051.99	0.05561	0.13202	0.02076	0.01975	2.25E-04	3.94E-03	1.32E-04	6.24E-05	4.36E-03	2.04E-04	0.00E+00	1.77E-06	1.70E-06	2.08E-04
2332	494511.06, 3860051.99	0.0554	0.13063	0.02082	0.01963	2.24E-04	3.90E-03	1.33E-04	6.20E-05	4.32E-03	2.04E-04	0.00E+00	1.77E-06	1.69E-06	2.07E-04
2333	494561.06, 3860051.99	0.05521	0.13061	0.0208	0.01948	2.23E-04	3.90E-03	1.33E-04	6.15E-05	4.31E-03	2.03E-04	0.00E+00	1.77E-06	1.68E-06	2.06E-04
2334	494611.06, 3860051.99	0.05501	0.12976	0.02083	0.01935	2.22E-04	3.87E-03	1.33E-04	6.11E-05	4.29E-03	2.02E-04	0.00E+00	1.77E-06	1.67E-06	2.06E-04
2335	494661.06, 3860051.99	0.05481	0.12867	0.02087	0.01923	2.22E-04	3.84E-03	1.33E-04	6.07E-05	4.25E-03	2.02E-04	0.00E+00	1.77E-06	1.66E-06	2.05E-04
2336	494711.06, 3860051.99	0.05461	0.12631	0.021	0.01915	2.21E-04	3.77E-03	1.34E-04	6.05E-05	4.18E-03	2.01E-04	0.00E+00	1.79E-06	1.65E-06	2.04E-04
2337	494761.06, 3860051.99	0.05442	0.12536	0.02104	0.01903	2.20E-04	3.74E-03	1.34E-04	6.01E-05	4.15E-03	2.00E-04	0.00E+00	1.79E-06	1.64E-06	2.04E-04
2338	494811.06, 3860051.99	0.05424	0.12492	0.02104	0.0189	2.19E-04	3.73E-03	1.34E-04	5.97E-05	4.14E-03	1.99E-04	0.00E+00	1.79E-06	1.63E-06	2.03E-04
2339	494861.06, 3860051.99	0.05405	0.12431	0.02105	0.01878	2.18E-04	3.71E-03	1.34E-04	5.93E-05	4.12E-03	1.99E-04	0.00E+00	1.79E-06	1.62E-06	2.02E-04
2340	494911.06, 3860051.99	0.05386	0.12244	0.02115	0.0187	2.18E-04	3.65E-03	1.35E-04	5.90E-05	4.06E-03	1.98E-04	0.00E+00	1.80E-06	1.61E-06	2.01E-04
2341	494961.06, 3860051.99	0.05367	0.12049	0.02128	0.01862	2.17E-04	3.59E-03	1.36E-04	5.88E-05	4.01E-03	1.97E-04	0.00E+00	1.81E-06	1.60E-06	2.01E-04
2342	495011.06, 3860051.99	0.05349	0.1188	0.02139	0.01853	2.16E-04	3.54E-03	1.36E-04	5.85E-05	3.96E-03	1.97E-04	0.00E+00	1.82E-06	1.60E-06	2.00E-04
2343	495061.06, 3860051.99	0.05331	0.11746	0.02147	0.01844	2.15E-04	3.50E-03	1.37E-04	5.82E-05	3.91E-03	1.96E-04	0.00E+00	1.83E-06	1.59E-06	1.99E-04
2344	495111.06, 3860051.99	0.05313	0.11566	0.02161	0.01836	2.15E-04	3.45E-03	1.38E-04	5.80E-05	3.86E-03	1.95E-04	0.00E+00	1.84E-06	1.58E-06	1.99E-04
2345	495161.06, 3860051.99	0.05275	0.11439	0.02169	0.01828	2.13E-04	3.41E-03	1.38E-04	5.77E-05	3.82E-03	1.94E-04	0.00E+00	1.84E-06	1.57E-06	1.97E-04
2346	495211.06, 3860051.99	0.05254	0.11292	0.0218	0.0182	2.12E-04	3.37E-03	1.39E-04	5.75E-05	3.78E-03	1.93E-04	0.00E+00	1.85E-06	1.57E-06	1.97E-04
2347	495261.06, 3860051.99	0.05237	0.11193	0.02186	0.0181	2.12E-04	3.34E-03	1.39E-04	5.71E-05	3.75E-03	1.93E-04	0.00E+00	1.86E-06	1.56E-06	1.96E-04
2348	495311.06, 3860051.99	0.05222	0.11109	0.02189	0.018	2.11E-04	3.31E-03	1.40E-04	5.68E-05	3.72E-03	1.92E-04	0.00E+00	1.86E-06	1.55E-06	1.95E-04
2349	495361.06, 3860051.99	0.05205	0.11003	0.02195	0.01792	2.10E-04	3.28E-03	1.40E-04	5.66E-05	3.69E-03	1.91E-04	0.00E+00	1.87E-06	1.54E-06	1.95E-04
2350	495411.06, 3860051.99	0.05187	0.10888	0.02203	0.01783	2.10E-04	3.25E-03	1.41E-04	5.63E-05	3.65E-03	1.91E-04	0.00E+00	1.87E-06	1.54E-06	1.94E-04
2351	495461.06, 3860051.99	0.05168	0.10759	0.02213	0.01776	2.09E-04	3.21E-03	1.41E-04	5.61E-05	3.62E-03	1.90E-04	0.00E+00	1.88E-06	1.53E-06	1.93E-04
2352	495511.06, 3860051.99	0.05153	0.10668	0.02217	0.01767	2.08E-04	3.18E-03	1.41E-04	5.58E-05	3.59E-03	1.89E-04	0.00E+00	1.89E-06	1.52E-06	1.93E-04
2353	495561.06, 3860051.99	0.05136	0.10556	0.02225	0.01759	2.08E-04	3.15E-03	1.42E-04	5.55E-05	3.55E-03	1.89E-04	0.00E+00	1.89E-06	1.51E-06	1.92E-04
2354	495611.06, 3860051.99	0.05118	0.10428	0.02236	0.01752	2.07E-04	3.11E-03	1.43E-04	5.53E-05	3.52E-03	1.88E-04	0.00E+00	1.90E-06	1.51E-06	1.92E-04
2355	495661.06, 3860051.99	0.05098	0.1027	0.02252	0.01747	2.06E-04	3.06E-03	1.44E-04	5.52E-05	3.47E-03	1.87E-04	0.00E+00	1.92E-06	1.50E-06	1.91E-04
2356	494411.06, 3860101.99	0.05503	0.13288	0.02	0.0194	2.22E-04	3.96E-03	1.28E-04	6.13E-05	4.38E-03	2.02E-04	0.00E+00	1.70E-06	1.67E-06	2.06E-04
2357	494461.06, 3860101.99	0.05483	0.13266	0.02	0.01925	2.22E-04	3.96E-03	1.28E-04	6.08E-05	4.37E-03	2.02E-04	0.00E+00	1.70E-06	1.66E-06	2.05E-04
2358	494511.06, 3860101.99	0.05463	0.13054	0.02008	0.01916	2.21E-04	3.89E-03	1.28E-04	6.05E-05	4.30E-03	2.01E-04	0.00E+00	1.71E-06	1.65E-06	2.04E-04
2359	494561.06, 3860101.99	0.05443	0.12982	0.0201	0.01903	2.20E-04	3.87E-03	1.28E-04	6.01E-05	4.28E-03	2.00E-04	0.00E+00	1.71E-06	1.64E-06	2.03E-04
2360	494611.06, 3860101.99	0.05423	0.12974	0.0201	0.01889	2.19E-04	3.87E-03	1.28E-04	5.96E-05	4.28E-03	1.99E-04	0.00E+00	1.71E-06	1.63E-06	2.03E-04
2361	494661.06, 3860101.99	0.05403	0.12885	0.02013	0.01877	2.18E-04	3.84E-03	1.28E-04	5.93E-05	4.25E-03	1.99E-04	0.00E+00	1.71E-06	1.62E-06	2.02E-04
2362	494711.06, 3860101.99	0.05385	0.12683	0.02021	0.01868	2.18E-04	3.78E-03	1.29E-04	5.90E-05	4.19E-03	1.98E-04	0.00E+00	1.72E-06	1.61E-06	2.01E-04
2363	494761.06, 3860101.99	0.05366	0.12584	0.02025	0.01857	2.17E-04	3.75E-03	1.29E-04	5.86E-05	4.16E-03	1.97E-04	0.00E+00	1.72E-06	1.60E-06	2.01E-04
2364	494811.06, 3860101.99	0.05346	0.12494	0.02028	0.01846	2.16E-04	3.73E-03	1.29E-04	5.83E-05	4.13E-03	1.97E-04	0.00E+00	1.72E-06	1.59E-06	2.00E-04

2365	494861.06, 3860101.99	0.05324	0.12552	0.02026	0.01832	2.15E-04	3.74E-03	1.29E-04	5.78E-05	4.15E-03	1.96E-04	0.00E+00	1.72E-06	1.58E-06	1.99E-04
2366	494911.06, 3860101.99	0.0531	0.12198	0.02041	0.01828	2.15E-04	3.64E-03	1.30E-04	5.77E-05	4.04E-03	1.95E-04	0.00E+00	1.74E-06	1.57E-06	1.99E-04
2367	494961.06, 3860101.99	0.05292	0.12089	0.02046	0.01818	2.14E-04	3.61E-03	1.31E-04	5.74E-05	4.01E-03	1.95E-04	0.00E+00	1.74E-06	1.57E-06	1.98E-04
2368	495011.06, 3860101.99	0.05274	0.11927	0.02055	0.01809	2.13E-04	3.56E-03	1.31E-04	5.71E-05	3.96E-03	1.94E-04	0.00E+00	1.75E-06	1.56E-06	1.97E-04
2369	495061.06, 3860101.99	0.05256	0.11778	0.02064	0.01801	2.12E-04	3.51E-03	1.32E-04	5.69E-05	3.91E-03	1.93E-04	0.00E+00	1.76E-06	1.55E-06	1.97E-04
2370	495111.06, 3860101.99	0.05238	0.11595	0.02076	0.01794	2.12E-04	3.46E-03	1.32E-04	5.66E-05	3.86E-03	1.93E-04	0.00E+00	1.77E-06	1.54E-06	1.96E-04
2371	495161.06, 3860101.99	0.05221	0.11502	0.0208	0.01784	2.11E-04	3.43E-03	1.33E-04	5.63E-05	3.83E-03	1.92E-04	0.00E+00	1.77E-06	1.54E-06	1.95E-04
2372	495211.06, 3860101.99	0.05204	0.11379	0.02088	0.01776	2.10E-04	3.39E-03	1.33E-04	5.61E-05	3.79E-03	1.91E-04	0.00E+00	1.78E-06	1.53E-06	1.95E-04
2373	495261.06, 3860101.99	0.05187	0.11256	0.02095	0.01767	2.10E-04	3.36E-03	1.34E-04	5.58E-05	3.76E-03	1.91E-04	0.00E+00	1.78E-06	1.52E-06	1.94E-04
2374	495311.06, 3860101.99	0.0517	0.11149	0.02101	0.01759	2.09E-04	3.33E-03	1.34E-04	5.55E-05	3.72E-03	1.90E-04	0.00E+00	1.79E-06	1.51E-06	1.93E-04
2375	495361.06, 3860101.99	0.05154	0.11071	0.02104	0.01749	2.08E-04	3.30E-03	1.34E-04	5.52E-05	3.70E-03	1.89E-04	0.00E+00	1.79E-06	1.51E-06	1.93E-04
2376	495411.06, 3860101.99	0.05138	0.1095	0.02112	0.01742	2.08E-04	3.27E-03	1.35E-04	5.50E-05	3.66E-03	1.89E-04	0.00E+00	1.80E-06	1.50E-06	1.92E-04
2377	495461.06, 3860101.99	0.05102	0.10785	0.02127	0.01736	2.06E-04	3.22E-03	1.36E-04	5.48E-05	3.61E-03	1.88E-04	0.00E+00	1.81E-06	1.49E-06	1.91E-04
2378	495511.06, 3860101.99	0.05087	0.10711	0.02129	0.01727	2.06E-04	3.20E-03	1.36E-04	5.45E-05	3.59E-03	1.87E-04	0.00E+00	1.81E-06	1.49E-06	1.90E-04
2379	495561.06, 3860101.99	0.05073	0.10636	0.02131	0.01718	2.05E-04	3.17E-03	1.36E-04	5.42E-05	3.57E-03	1.87E-04	0.00E+00	1.81E-06	1.48E-06	1.90E-04
2380	495611.06, 3860101.99	0.05052	0.10476	0.02146	0.01712	2.04E-04	3.13E-03	1.37E-04	5.41E-05	3.52E-03	1.86E-04	0.00E+00	1.83E-06	1.47E-06	1.89E-04
2381	495661.06, 3860101.99	0.05036	0.10371	0.02153	0.01705	2.04E-04	3.09E-03	1.37E-04	5.38E-05	3.49E-03	1.85E-04	0.00E+00	1.83E-06	1.47E-06	1.88E-04
2382	494861.06, 3860151.99	0.05241	0.12627	0.01965	0.0179	2.12E-04	3.77E-03	1.25E-04	5.65E-05	4.16E-03	1.93E-04	0.00E+00	1.67E-06	1.54E-06	1.96E-04
2383	494911.06, 3860151.99	0.05233	0.12266	0.01968	0.01783	2.12E-04	3.66E-03	1.26E-04	5.63E-05	4.05E-03	1.92E-04	0.00E+00	1.67E-06	1.54E-06	1.96E-04
2384	494961.06, 3860151.99	0.05216	0.12121	0.01973	0.01775	2.11E-04	3.62E-03	1.26E-04	5.60E-05	4.01E-03	1.92E-04	0.00E+00	1.68E-06	1.53E-06	1.95E-04
2385	495011.06, 3860151.99	0.05199	0.11964	0.0198	0.01766	2.10E-04	3.57E-03	1.26E-04	5.58E-05	3.96E-03	1.91E-04	0.00E+00	1.68E-06	1.52E-06	1.94E-04
2386	495061.06, 3860151.99	0.05183	0.1181	0.01987	0.01758	2.10E-04	3.52E-03	1.27E-04	5.55E-05	3.92E-03	1.91E-04	0.00E+00	1.69E-06	1.51E-06	1.94E-04
2387	495111.06, 3860151.99	0.05165	0.11683	0.01993	0.0175	2.09E-04	3.49E-03	1.27E-04	5.53E-05	3.88E-03	1.90E-04	0.00E+00	1.69E-06	1.51E-06	1.93E-04
2388	495161.06, 3860151.99	0.05148	0.11568	0.01999	0.01741	2.08E-04	3.45E-03	1.28E-04	5.50E-05	3.84E-03	1.89E-04	0.00E+00	1.70E-06	1.50E-06	1.92E-04
2389	495211.06, 3860151.99	0.05131	0.11438	0.02006	0.01733	2.07E-04	3.41E-03	1.28E-04	5.47E-05	3.80E-03	1.89E-04	0.00E+00	1.71E-06	1.49E-06	1.92E-04
2390	495261.06, 3860151.99	0.05115	0.11331	0.02011	0.01725	2.07E-04	3.38E-03	1.28E-04	5.45E-05	3.77E-03	1.88E-04	0.00E+00	1.71E-06	1.49E-06	1.91E-04
2391	495311.06, 3860151.99	0.05098	0.11223	0.02017	0.01717	2.06E-04	3.35E-03	1.29E-04	5.42E-05	3.74E-03	1.87E-04	0.00E+00	1.72E-06	1.48E-06	1.91E-04
2392	495361.06, 3860151.99	0.05082	0.11123	0.02022	0.01708	2.05E-04	3.32E-03	1.29E-04	5.39E-05	3.71E-03	1.87E-04	0.00E+00	1.72E-06	1.47E-06	1.90E-04
2393	495411.06, 3860151.99	0.05066	0.11007	0.02029	0.01701	2.05E-04	3.28E-03	1.29E-04	5.37E-05	3.67E-03	1.86E-04	0.00E+00	1.73E-06	1.46E-06	1.89E-04
2394	495461.06, 3860151.99	0.0505	0.10897	0.02035	0.01693	2.04E-04	3.25E-03	1.30E-04	5.35E-05	3.64E-03	1.86E-04	0.00E+00	1.73E-06	1.46E-06	1.89E-04
2395	495511.06, 3860151.99	0.05034	0.10767	0.02044	0.01686	2.03E-04	3.21E-03	1.30E-04	5.32E-05	3.60E-03	1.85E-04	0.00E+00	1.74E-06	1.45E-06	1.88E-04
2396	495561.06, 3860151.99	0.05019	0.10674	0.02049	0.01679	2.03E-04	3.18E-03	1.31E-04	5.30E-05	3.57E-03	1.85E-04	0.00E+00	1.74E-06	1.45E-06	1.88E-04
2397	495611.06, 3860151.99	0.05004	0.10551	0.02058	0.01672	2.02E-04	3.15E-03	1.31E-04	5.28E-05	3.53E-03	1.84E-04	0.00E+00	1.75E-06	1.44E-06	1.87E-04
2398	495661.06, 3860151.99	0.04988	0.10419	0.02068	0.01666	2.02E-04	3.11E-03	1.32E-04	5.26E-05	3.49E-03	1.83E-04	0.00E+00	1.76E-06	1.43E-06	1.87E-04
2399	495718.25, 3859442.96	0.0552	0.08293	0.03307	0.02095	2.23E-04	2.47E-03	2.11E-04	6.61E-05	2.97E-03	2.03E-04	0.00E+00	2.81E-06	1.80E-06	2.08E-04
2400	495818.25, 3859442.96	0.0544	0.08078	0.03275	0.02058	2.20E-04	2.41E-03	2.09E-04	6.50E-05	2.90E-03	2.00E-04	0.00E+00	2.79E-06	1.77E-06	2.05E-04
2401	495918.25, 3859442.96	0.05385	0.07919	0.03249	0.02027	2.18E-04	2.36E-03	2.07E-04	6.40E-05	2.85E-03	1.98E-04	0.00E+00	2.76E-06	1.75E-06	2.02E-04
2402	496018.25, 3859442.96	0.05339	0.07782	0.03228	0.01999	2.16E-04	2.32E-03	2.06E-04	6.31E-05	2.81E-03	1.96E-04	0.00E+00	2.75E-06	1.72E-06	2.01E-04
2403	496118.25, 3859442.96	0.0537	0.07809	0.03234	0.0199	2.17E-04	2.33E-03	2.06E-04	6.28E-05	2.82E-03	1.97E-04	0.00E+00	2.75E-06	1.71E-06	2.02E-04
2404	496218.25, 3859442.96	0.05388	0.07814	0.03235	0.01977	2.18E-04	2.33E-03	2.06E-04	6.24E-05	2.82E-03	1.98E-04	0.00E+00	2.75E-06	1.70E-06	2.03E-04
2405	496318.25, 3859442.96	0.05351	0.07695	0.0322	0.01953	2.16E-04	2.30E-03	2.05E-04	6.17E-05	2.78E-03	1.97E-04	0.00E+00	2.74E-06	1.68E-06	2.01E-04
2406	496418.25, 3859442.96	0.0531	0.0757	0.03204	0.01927	2.15E-04	2.26E-03	2.04E-04	6.08E-05	2.74E-03	1.95E-04	0.00E+00	2.72E-06	1.66E-06	2.00E-04
2407	495718.25, 3859542.96	0.05522	0.08656	0.03191	0.0207	2.23E-04	2.58E-03	2.04E-04	6.54E-05	3.07E-03	2.03E-04	0.00E+00	2.71E-06	1.78E-06	2.08E-04
2408	495818.25, 3859542.96	0.05466	0.0848	0.03168	0.02041	2.21E-04	2.53E-03	2.02E-04	6.44E-05	3.02E-03	2.01E-04	0.00E+00	2.69E-06	1.76E-06	2.05E-04
2409	495918.25, 3859542.96	0.05398	0.08274	0.03143	0.02009	2.18E-04	2.47E-03	2.00E-04	6.34E-05	2.95E-03	1.98E-04	0.00E+00	2.67E-06	1.73E-06	2.03E-04
2410	496018.25, 3859542.96	0.0534	0.081	0.03119	0.01979	2.16E-04	2.42E-03	1.99E-04	6.25E-05	2.89E-03	1.96E-04	0.00E+00	2.65E-06	1.70E-06	2.01E-04
2411	496118.25, 3859542.96	0.05355	0.08122	0.03108	0.01968	2.16E-04	2.42E-03	1.98E-04	6.21E-05	2.90E-03	1.97E-04	0.00E+00	2.64E-06	1.69E-06	2.01E-04
2412	496218.25, 3859542.96	0.05351	0.08093	0.03094	0.01951	2.16E-04	2.41E-03	1.97E-04	6.16E-05	2.89E-03	1.97E-04	0.00E+00	2.63E-06	1.68E-06	2.01E-04
2413	496318.25, 3859542.96	0.05334	0.0803	0.03079	0.01932	2.16E-04	2.40E-03	1.96E-04	6.10E-05	2.87E-03	1.96E-04	0.00E+00	2.62E-06	1.66E-06	2.00E-04
2414	496418.25, 3859542.96	0.05279	0.07856	0.03062	0.01905	2.13E-04	2.34E-03	1.95E-04	6.01E-05	2.81E-03	1.94E-04	0.00E+00	2.60E-06	1.64E-06	1.98E-04
2415	495718.25, 3859642.96	0.05482	0.08966	0.03061	0.02027	2.22E-04	2.67E-03	1.95E-04	6.40E-05	3.16E-03	2.02E-04	0.00E+00	2.60E-06	1.75E-06	2.06E-04
2416	495818.25, 3859642.96	0.05421	0.08754	0.03045	0.01999	2.19E-04	2.61E-03	1.94E-04	6.31E-05	3.09E-03	1.99E-04	0.00E+00	2.59E-06	1.72E-06	2.04E-04
2417	495918.25, 3859642.96	0.05378	0.0861	0.03025	0.01975	2.17E-04	2.57E-03	1.93E-04	6.24E-05	3.04E-03	1.98E-04	0.00E+00	2.57E-06	1.70E-06	2.02E-04
2418	496018.25, 3859642.96	0.05323	0.08427	0.03007	0.01948	2.15E-04	2.51E-03	1.92E-04	6.15E-05	2.98E-03	1.96E-04	0.00E+00	2.56E-06	1.68E-06	2.00E-04
2419	496118.25, 3859642.96	0.05334	0.08475	0.0298	0.01936	2.16E-04	2.53E-03	1.90E-04	6.11E-05	3.00E-03	1.96E-04	0.00E+00	2.53E-06	1.67E-06	2.00E-04
2420	496218.25, 3859642.96	0.05327	0.08464	0.02955	0.01919	2.15E-04	2.53E-03	1.88E-04	6.06E-05	2.99E-03	1.96E-04	0.00E+00	2.51E-06	1.65E-06	2.00E-04
2421	496318.25, 3859642.96	0.05283	0.08313	0.02941	0.01896	2.14E-04	2.48E-03	1.88E-04	5.99E-05	2.94E-03	1.94E-04	0.00E+00	2.50E-06	1.63E-06	1.98E-04
2422	496418.25, 3859642.96	0.05144	0.0785	0.02931	0.01853	2.08E-04	2.34E-03	1.87E-04	5.85E-05	2.80E-03	1.89E-04	0.00E+00	2.49E-06	1.60E-06	1.93E-04
2423	495718.25, 3859742.96	0.05434	0.09367	0.0289	0.01973	2.20E-04	2.79E-03	1.84E-04	6.23E-05	3.26E-03	2.00E-04	0.00E+00	2.46E-06	1.70E-06	2.04E-04
2424	495818.25, 3859742.96	0.05375	0.09109	0.02893	0.01949	2.17E-04	2.72E-03	1.85E-04	6.15E-05	3.18E-03	1.98E-04	0.00E+00	2.46E-06	1.68E-06	2.02E-04
2425	495918.25, 3859742.96	0.05326	0.08918	0.02884	0.01926	2.15E-04	2.66E-03	1.84E-04	6.08E-05	3.12E-03	1.96E-04	0.00E+00	2.45E-06	1.66E-06	2.00E-04
2426	496018.25, 3859742.96	0.05274	0.08718	0.02876	0.01902	2.13E-04	2.60E-03	1.83E-04	6.01E-05	3.06E-03	1.94E-04	0.00E+00	2.45E-06	1.64E-06	1.98E-04
2427	496118.25, 3859742.96	0.05268	0.08734	0.02842	0.01886	2.13E-04	2.61E-03	1.81E-04	5.95E-05	3.06E-03	1.94E-04	0.00E+00	2.42E-06	1.62E-06	1.98E-04
2428	496218.25, 3859742.96	0.05269	0.08792	0.02801	0.0187	2.13E-04	2.62E-03	1.79E-04	5.90E-05	3.07E-03	1.94E-04	0.00E+00	2.38E-06	1.61E-06	1.98E-04

2429	496318.25, 3859742.96	0.0517	0.08369	0.02823	0.01842	2.09E-04	2.50E-03	1.80E-04	5.82E-05	2.94E-03	1.90E-04	0.00E+00	2.40E-06	1.59E-06	1.94E-04
2430	496418.25, 3859742.96	0.05076	0.08001	0.0283	0.01818	2.05E-04	2.39E-03	1.81E-04	5.74E-05	2.83E-03	1.87E-04	0.00E+00	2.41E-06	1.57E-06	1.91E-04
2431	495718.25, 3859842.96	0.0534	0.09684	0.02692	0.01903	2.16E-04	2.89E-03	1.72E-04	6.01E-05	3.34E-03	1.96E-04	0.00E+00	2.29E-06	1.64E-06	2.00E-04
2432	495818.25, 3859842.96	0.05299	0.09473	0.02698	0.01884	2.14E-04	2.83E-03	1.72E-04	5.95E-05	3.27E-03	1.95E-04	0.00E+00	2.29E-06	1.62E-06	1.99E-04
2433	495918.25, 3859842.96	0.05255	0.09261	0.02703	0.01865	2.12E-04	2.76E-03	1.72E-04	5.89E-05	3.21E-03	1.93E-04	0.00E+00	2.30E-06	1.61E-06	1.97E-04
2434	496018.25, 3859842.96	0.05222	0.09129	0.02692	0.01846	2.11E-04	2.72E-03	1.72E-04	5.83E-05	3.16E-03	1.92E-04	0.00E+00	2.29E-06	1.59E-06	1.96E-04
2435	496118.25, 3859842.96	0.05221	0.09211	0.02637	0.01827	2.11E-04	2.75E-03	1.68E-04	5.77E-05	3.18E-03	1.92E-04	0.00E+00	2.24E-06	1.57E-06	1.96E-04
2436	496218.25, 3859842.96	0.05143	0.08795	0.02682	0.01809	2.08E-04	2.62E-03	1.71E-04	5.71E-05	3.06E-03	1.89E-04	0.00E+00	2.28E-06	1.56E-06	1.93E-04
2437	496318.25, 3859842.96	0.04982	0.08071	0.02752	0.01773	2.01E-04	2.41E-03	1.76E-04	5.60E-05	2.84E-03	1.83E-04	0.00E+00	2.34E-06	1.53E-06	1.87E-04
2438	496418.25, 3859842.96	0.0485	0.07623	0.02748	0.01734	1.96E-04	2.27E-03	1.75E-04	5.47E-05	2.70E-03	1.78E-04	0.00E+00	2.34E-06	1.49E-06	1.82E-04
2439	495718.25, 3859942.96	0.0522	0.0993	0.02485	0.01826	2.11E-04	2.96E-03	1.59E-04	5.77E-05	3.39E-03	1.92E-04	0.00E+00	2.11E-06	1.57E-06	1.96E-04
2440	495818.25, 3859942.96	0.05183	0.09698	0.02501	0.0181	2.10E-04	2.89E-03	1.60E-04	5.71E-05	3.32E-03	1.91E-04	0.00E+00	2.13E-06	1.56E-06	1.94E-04
2441	495918.25, 3859942.96	0.05151	0.09532	0.02503	0.01793	2.08E-04	2.84E-03	1.60E-04	5.66E-05	3.27E-03	1.89E-04	0.00E+00	2.13E-06	1.54E-06	1.93E-04
2442	496018.25, 3859942.96	0.05134	0.0952	0.02472	0.01773	2.08E-04	2.84E-03	1.58E-04	5.60E-05	3.26E-03	1.89E-04	0.00E+00	2.10E-06	1.53E-06	1.92E-04
2443	496118.25, 3859942.96	0.05083	0.09181	0.02511	0.0176	2.05E-04	2.74E-03	1.60E-04	5.56E-05	3.16E-03	1.87E-04	0.00E+00	2.14E-06	1.52E-06	1.91E-04
2444	496218.25, 3859942.96	0.05	0.08665	0.02585	0.01746	2.02E-04	2.59E-03	1.65E-04	5.51E-05	3.01E-03	1.84E-04	0.00E+00	2.20E-06	1.50E-06	1.88E-04
2445	496318.25, 3859942.96	0.04898	0.08167	0.02642	0.01722	1.98E-04	2.44E-03	1.69E-04	5.44E-05	2.86E-03	1.80E-04	0.00E+00	2.25E-06	1.48E-06	1.84E-04
2446	496418.25, 3859942.96	0.04735	0.07554	0.02672	0.01679	1.91E-04	2.25E-03	1.70E-04	5.30E-05	2.67E-03	1.74E-04	0.00E+00	2.27E-06	1.45E-06	1.78E-04
2447	496856.82, 3858864.83	0.04885	0.05645	0.03413	0.01867	1.97E-04	1.68E-03	2.18E-04	5.89E-05	2.16E-03	1.80E-04	0.00E+00	2.90E-06	1.61E-06	1.84E-04
2448	496956.82, 3858864.83	0.04824	0.05549	0.03355	0.01843	1.95E-04	1.66E-03	2.14E-04	5.82E-05	2.12E-03	1.77E-04	0.00E+00	2.85E-06	1.59E-06	1.82E-04
2449	497056.82, 3858864.83	0.04766	0.05455	0.03303	0.01821	1.93E-04	1.63E-03	2.11E-04	5.75E-05	2.09E-03	1.75E-04	0.00E+00	2.81E-06	1.57E-06	1.80E-04
2450	497156.82, 3858864.83	0.04688	0.05345	0.03244	0.01795	1.89E-04	1.59E-03	2.07E-04	5.67E-05	2.05E-03	1.72E-04	0.00E+00	2.76E-06	1.55E-06	1.77E-04
2451	497256.82, 3858864.83	0.04675	0.05298	0.0322	0.01779	1.89E-04	1.58E-03	2.05E-04	5.62E-05	2.03E-03	1.72E-04	0.00E+00	2.74E-06	1.53E-06	1.76E-04
2452	496856.82, 3858964.83	0.04964	0.05876	0.03426	0.01865	2.01E-04	1.75E-03	2.19E-04	5.89E-05	2.23E-03	1.83E-04	0.00E+00	2.91E-06	1.61E-06	1.87E-04
2453	496956.82, 3858964.83	0.0487	0.05739	0.0336	0.01836	1.97E-04	1.71E-03	2.14E-04	5.80E-05	2.18E-03	1.79E-04	0.00E+00	2.86E-06	1.58E-06	1.83E-04
2454	497056.82, 3858964.83	0.04803	0.05633	0.03311	0.01811	1.94E-04	1.68E-03	2.11E-04	5.72E-05	2.14E-03	1.77E-04	0.00E+00	2.82E-06	1.56E-06	1.81E-04
2455	497156.82, 3858964.83	0.04734	0.05525	0.03262	0.01786	1.91E-04	1.65E-03	2.08E-04	5.64E-05	2.10E-03	1.74E-04	0.00E+00	2.77E-06	1.54E-06	1.78E-04
2456	497256.82, 3858964.83	0.04787	0.05547	0.03274	0.0178	1.94E-04	1.65E-03	2.09E-04	5.62E-05	2.11E-03	1.76E-04	0.00E+00	2.78E-06	1.53E-06	1.80E-04
2457	496856.82, 3859064.83	0.04966	0.06032	0.03399	0.01849	2.01E-04	1.80E-03	2.17E-04	5.84E-05	2.28E-03	1.83E-04	0.00E+00	2.89E-06	1.59E-06	1.87E-04
2458	496956.82, 3859064.83	0.04894	0.05911	0.03346	0.01823	1.98E-04	1.76E-03	2.13E-04	5.76E-05	2.23E-03	1.80E-04	0.00E+00	2.85E-06	1.57E-06	1.84E-04
2459	497056.82, 3859064.83	0.04838	0.05811	0.03303	0.018	1.96E-04	1.73E-03	2.11E-04	5.68E-05	2.20E-03	1.78E-04	0.00E+00	2.81E-06	1.55E-06	1.82E-04
2460	497156.82, 3859064.83	0.04791	0.05723	0.03266	0.01778	1.94E-04	1.71E-03	2.08E-04	5.61E-05	2.17E-03	1.76E-04	0.00E+00	2.78E-06	1.53E-06	1.80E-04
2461	497256.82, 3859064.83	0.04883	0.05793	0.03314	0.01778	1.97E-04	1.73E-03	2.11E-04	5.61E-05	2.19E-03	1.80E-04	0.00E+00	2.82E-06	1.53E-06	1.84E-04
2462	496856.82, 3859164.83	0.04913	0.06122	0.03313	0.01823	1.99E-04	1.83E-03	2.11E-04	5.76E-05	2.29E-03	1.81E-04	0.00E+00	2.82E-06	1.57E-06	1.85E-04
2463	496956.82, 3859164.83	0.04836	0.05989	0.03262	0.01795	1.95E-04	1.79E-03	2.08E-04	5.67E-05	2.25E-03	1.78E-04	0.00E+00	2.77E-06	1.55E-06	1.82E-04
2464	497056.82, 3859164.83	0.04814	0.05924	0.03245	0.01777	1.95E-04	1.77E-03	2.07E-04	5.61E-05	2.23E-03	1.77E-04	0.00E+00	2.76E-06	1.53E-06	1.81E-04
2465	497156.82, 3859164.83	0.04852	0.05934	0.03266	0.01769	1.96E-04	1.77E-03	2.08E-04	5.59E-05	2.23E-03	1.78E-04	0.00E+00	2.78E-06	1.52E-06	1.83E-04
2466	497256.82, 3859164.83	0.04961	0.06039	0.03336	0.01774	2.01E-04	1.80E-03	2.13E-04	5.60E-05	2.27E-03	1.82E-04	0.00E+00	2.84E-06	1.53E-06	1.87E-04
2467	496856.82, 3859264.83	0.04821	0.06164	0.03177	0.01788	1.95E-04	1.84E-03	2.03E-04	5.65E-05	2.29E-03	1.77E-04	0.00E+00	2.70E-06	1.54E-06	1.81E-04
2468	496956.82, 3859264.83	0.04821	0.06123	0.03178	0.01773	1.95E-04	1.83E-03	2.03E-04	5.60E-05	2.28E-03	1.77E-04	0.00E+00	2.70E-06	1.53E-06	1.81E-04
2469	497056.82, 3859264.83	0.04865	0.06141	0.03206	0.01766	1.97E-04	1.83E-03	2.04E-04	5.58E-05	2.29E-03	1.79E-04	0.00E+00	2.73E-06	1.52E-06	1.83E-04
2470	497156.82, 3859264.83	0.04897	0.06149	0.03229	0.01758	1.98E-04	1.83E-03	2.06E-04	5.55E-05	2.29E-03	1.80E-04	0.00E+00	2.75E-06	1.51E-06	1.84E-04
2471	497256.82, 3859264.83	0.04979	0.06234	0.03282	0.0176	2.01E-04	1.86E-03	2.09E-04	5.56E-05	2.33E-03	1.83E-04	0.00E+00	2.79E-06	1.52E-06	1.87E-04
2472	497088.92, 3858620.93	0.0455	0.04917	0.03291	0.01829	1.84E-04	1.47E-03	2.10E-04	5.77E-05	1.92E-03	1.67E-04	0.00E+00	2.80E-06	1.57E-06	1.72E-04
2473	497138.92, 3858620.93	0.04549	0.04902	0.0328	0.01822	1.84E-04	1.46E-03	2.09E-04	5.75E-05	1.91E-03	1.67E-04	0.00E+00	2.79E-06	1.57E-06	1.72E-04
2474	497188.92, 3858620.93	0.04499	0.04856	0.03246	0.01807	1.82E-04	1.45E-03	2.07E-04	5.71E-05	1.89E-03	1.65E-04	0.00E+00	2.76E-06	1.56E-06	1.70E-04
2475	497238.92, 3858620.93	0.04481	0.04826	0.03229	0.01798	1.81E-04	1.44E-03	2.06E-04	5.68E-05	1.88E-03	1.65E-04	0.00E+00	2.75E-06	1.55E-06	1.69E-04
2476	497088.92, 3858670.93	0.04521	0.04966	0.03234	0.01816	1.83E-04	1.48E-03	2.06E-04	5.73E-05	1.93E-03	1.66E-04	0.00E+00	2.75E-06	1.56E-06	1.71E-04
2477	497138.92, 3858670.93	0.04546	0.04974	0.03233	0.01812	1.84E-04	1.48E-03	2.06E-04	5.72E-05	1.93E-03	1.67E-04	0.00E+00	2.75E-06	1.56E-06	1.71E-04
2478	497188.92, 3858670.93	0.0451	0.04928	0.03211	0.01801	1.82E-04	1.47E-03	2.05E-04	5.69E-05	1.91E-03	1.66E-04	0.00E+00	2.73E-06	1.55E-06	1.70E-04
2479	497238.92, 3858670.93	0.04508	0.0491	0.032	0.01794	1.82E-04	1.46E-03	2.04E-04	5.66E-05	1.91E-03	1.66E-04	0.00E+00	2.72E-06	1.54E-06	1.70E-04
2480	497088.92, 3858720.93	0.04616	0.05108	0.03251	0.01819	1.87E-04	1.52E-03	2.07E-04	5.74E-05	1.98E-03	1.70E-04	0.00E+00	2.76E-06	1.57E-06	1.74E-04
2481	497138.92, 3858720.93	0.045	0.04998	0.03185	0.01799	1.82E-04	1.49E-03	2.03E-04	5.68E-05	1.93E-03	1.65E-04	0.00E+00	2.71E-06	1.55E-06	1.70E-04
2482	497188.92, 3858720.93	0.04481	0.04964	0.03167	0.0179	1.81E-04	1.48E-03	2.02E-04	5.65E-05	1.92E-03	1.65E-04	0.00E+00	2.69E-06	1.54E-06	1.69E-04
2483	497238.92, 3858720.93	0.04553	0.05005	0.03196	0.0179	1.84E-04	1.49E-03	2.04E-04	5.65E-05	1.94E-03	1.67E-04	0.00E+00	2.72E-06	1.54E-06	1.72E-04
2484	497088.92, 3858770.93	0.04625	0.05183	0.03231	0.01811	1.87E-04	1.55E-03	2.06E-04	5.72E-05	2.00E-03	1.70E-04	0.00E+00	2.75E-06	1.56E-06	1.74E-04
2485	497138.92, 3858770.93	0.04584	0.05128	0.03205	0.01799	1.85E-04	1.53E-03	2.04E-04	5.68E-05	1.98E-03	1.69E-04	0.00E+00	2.73E-06	1.55E-06	1.73E-04
2486	497188.92, 3858770.93	0.04571	0.05088	0.03201	0.01793	1.85E-04	1.52E-03	2.04E-04	5.66E-05	1.96E-03	1.68E-04	0.00E+00	2.72E-06	1.54E-06	1.72E-04
2487	497238.92, 3858770.93	0.04591	0.05102	0.03189	0.01786	1.86E-04	1.52E-03	2.03E-04	5.64E-05	1.97E-03	1.69E-04	0.00E+00	2.71E-06	1.54E-06	1.73E-04
2488	497396.65, 3858622.63	0.04687	0.04955	0.03281	0.018	1.89E-04	1.48E-03	2.09E-04	5.68E-05	1.93E-03	1.72E-04	0.00E+00	2.79E-06	1.55E-06	1.77E-04
2489	497496.65, 3858622.63	0.04795	0.05024	0.03301	0.01802	1.94E-04	1.50E-03	2.11E-04	5.69E-05	1.96E-03	1.76E-04	0.00E+00	2.81E-06	1.55E-06	1.81E-04
2490	497596.65, 3858622.63	0.05	0.05174	0.03423	0.01819	2.02E-04	1.54E-03	2.18E-04	5.74E-05	2.02E-03	1.84E-04	0.00E+00	2.91E-06	1.57E-06	1.88E-04
2491	497696.65, 3858622.63	0.05046	0.05209	0.03414	0.01812	2.04E-04	1.55E-03	2.18E-04	5.72E-05	2.03E-03	1.86E-04	0.00E+00	2.90E-06	1.56E-06	1.90E-04
2492	497796.65, 3858622.63	0.05162	0.05302	0.03438	0.01818	2.09E-04	1.58E-03	2.19E-04	5.74E-05	2.07E-03	1.90E-04	0.00E+00	2.92E-06	1.57E-06	1.94E-04

2493	497896.65, 3858622.63	0.05275	0.05403	0.03472	0.01823	2.13E-04	1.61E-03	2.21E-04	5.76E-05	2.10E-03	1.94E-04	0.00E+00	2.95E-06	1.57E-06	1.98E-04
2494	497396.65, 3858722.63	0.04783	0.05169	0.03274	0.01798	1.93E-04	1.54E-03	2.09E-04	5.68E-05	2.00E-03	1.76E-04	0.00E+00	2.78E-06	1.55E-06	1.80E-04
2495	497496.65, 3858722.63	0.04891	0.05243	0.03329	0.01799	1.98E-04	1.56E-03	2.12E-04	5.68E-05	2.03E-03	1.80E-04	0.00E+00	2.83E-06	1.55E-06	1.84E-04
2496	497596.65, 3858722.63	0.05071	0.05393	0.03396	0.01814	2.05E-04	1.61E-03	2.17E-04	5.73E-05	2.09E-03	1.86E-04	0.00E+00	2.89E-06	1.56E-06	1.91E-04
2497	497696.65, 3858722.63	0.05169	0.05473	0.03425	0.01816	2.09E-04	1.63E-03	2.18E-04	5.73E-05	2.12E-03	1.90E-04	0.00E+00	2.91E-06	1.56E-06	1.95E-04
2498	497796.65, 3858722.63	0.05219	0.05504	0.03435	0.01811	2.11E-04	1.64E-03	2.19E-04	5.72E-05	2.13E-03	1.92E-04	0.00E+00	2.92E-06	1.56E-06	1.96E-04
2499	497896.65, 3858722.63	0.05293	0.05569	0.03463	0.01812	2.14E-04	1.66E-03	2.21E-04	5.72E-05	2.15E-03	1.95E-04	0.00E+00	2.95E-06	1.56E-06	1.99E-04
2500	497396.65, 3858822.63	0.04819	0.05339	0.03296	0.01788	1.95E-04	1.59E-03	2.10E-04	5.65E-05	2.05E-03	1.77E-04	0.00E+00	2.80E-06	1.54E-06	1.82E-04
2501	497496.65, 3858822.63	0.0491	0.05401	0.03319	0.01788	1.98E-04	1.61E-03	2.12E-04	5.65E-05	2.08E-03	1.81E-04	0.00E+00	2.82E-06	1.54E-06	1.85E-04
2502	497596.65, 3858822.63	0.05129	0.05591	0.03442	0.01811	2.07E-04	1.67E-03	2.20E-04	5.72E-05	2.15E-03	1.89E-04	0.00E+00	2.93E-06	1.56E-06	1.93E-04
2503	497696.65, 3858822.63	0.05182	0.05643	0.03432	0.01804	2.09E-04	1.68E-03	2.19E-04	5.70E-05	2.17E-03	1.91E-04	0.00E+00	2.92E-06	1.55E-06	1.95E-04
2504	497796.65, 3858822.63	0.0524	0.05672	0.03475	0.01804	2.12E-04	1.69E-03	2.22E-04	5.70E-05	2.18E-03	1.93E-04	0.00E+00	2.96E-06	1.55E-06	1.97E-04
2505	497896.65, 3858822.63	0.05353	0.05807	0.03516	0.01808	2.16E-04	1.73E-03	2.24E-04	5.71E-05	2.23E-03	1.97E-04	0.00E+00	2.99E-06	1.56E-06	2.01E-04
2506	497396.65, 3858922.63	0.04858	0.05519	0.03297	0.01779	1.96E-04	1.65E-03	2.10E-04	5.62E-05	2.11E-03	1.79E-04	0.00E+00	2.80E-06	1.53E-06	1.83E-04
2507	497496.65, 3858922.63	0.0503	0.0568	0.03382	0.01791	2.03E-04	1.69E-03	2.16E-04	5.65E-05	2.17E-03	1.85E-04	0.00E+00	2.88E-06	1.54E-06	1.89E-04
2508	497596.65, 3858922.63	0.0503	0.05653	0.03369	0.01779	2.03E-04	1.69E-03	2.15E-04	5.62E-05	2.16E-03	1.85E-04	0.00E+00	2.87E-06	1.53E-06	1.89E-04
2509	497696.65, 3858922.63	0.05228	0.0585	0.03517	0.01801	2.11E-04	1.75E-03	2.24E-04	5.69E-05	2.24E-03	1.92E-04	0.00E+00	2.99E-06	1.55E-06	1.97E-04
2510	497796.65, 3858922.63	0.05304	0.05947	0.03529	0.01799	2.14E-04	1.77E-03	2.25E-04	5.68E-05	2.27E-03	1.95E-04	0.00E+00	3.00E-06	1.55E-06	2.00E-04
2511	497896.65, 3858922.63	0.05453	0.06136	0.03654	0.01818	2.20E-04	1.83E-03	2.33E-04	5.74E-05	2.34E-03	2.00E-04	0.00E+00	3.11E-06	1.57E-06	2.05E-04
2512	497364.44, 3858201.52	0.04476	0.04357	0.0361	0.01832	1.81E-04	1.30E-03	2.30E-04	5.78E-05	1.77E-03	1.65E-04	0.00E+00	3.07E-06	1.58E-06	1.69E-04
2513	497414.44, 3858201.52	0.0455	0.04396	0.03622	0.01834	1.84E-04	1.31E-03	2.31E-04	5.79E-05	1.78E-03	1.67E-04	0.00E+00	3.08E-06	1.58E-06	1.72E-04
2514	497464.44, 3858201.52	0.04595	0.04423	0.03624	0.01833	1.86E-04	1.32E-03	2.31E-04	5.79E-05	1.79E-03	1.69E-04	0.00E+00	3.08E-06	1.58E-06	1.74E-04
2515	497514.44, 3858201.52	0.04594	0.04424	0.03606	0.01827	1.86E-04	1.32E-03	2.30E-04	5.77E-05	1.79E-03	1.69E-04	0.00E+00	3.07E-06	1.57E-06	1.74E-04
2516	497564.44, 3858201.52	0.04576	0.04404	0.03589	0.0182	1.85E-04	1.31E-03	2.29E-04	5.75E-05	1.79E-03	1.68E-04	0.00E+00	3.05E-06	1.57E-06	1.73E-04
2517	497614.44, 3858201.52	0.04587	0.04407	0.0358	0.01816	1.85E-04	1.31E-03	2.28E-04	5.73E-05	1.79E-03	1.69E-04	0.00E+00	3.04E-06	1.56E-06	1.73E-04
2518	497364.44, 3858251.52	0.04557	0.04465	0.03578	0.01835	1.84E-04	1.33E-03	2.28E-04	5.79E-05	1.80E-03	1.68E-04	0.00E+00	3.04E-06	1.58E-06	1.72E-04
2519	497414.44, 3858251.52	0.04626	0.04512	0.03586	0.01839	1.87E-04	1.35E-03	2.29E-04	5.81E-05	1.82E-03	1.70E-04	0.00E+00	3.05E-06	1.58E-06	1.75E-04
2520	497464.44, 3858251.52	0.04589	0.04475	0.03563	0.01828	1.85E-04	1.34E-03	2.27E-04	5.77E-05	1.81E-03	1.69E-04	0.00E+00	3.03E-06	1.57E-06	1.73E-04
2521	497514.44, 3858251.52	0.04541	0.04429	0.03537	0.01817	1.84E-04	1.32E-03	2.26E-04	5.74E-05	1.79E-03	1.67E-04	0.00E+00	3.01E-06	1.56E-06	1.72E-04
2522	497564.44, 3858251.52	0.04528	0.04411	0.03521	0.0181	1.83E-04	1.32E-03	2.25E-04	5.71E-05	1.78E-03	1.66E-04	0.00E+00	2.99E-06	1.56E-06	1.71E-04
2523	497614.44, 3858251.52	0.04515	0.04394	0.03505	0.01804	1.83E-04	1.31E-03	2.24E-04	5.70E-05	1.77E-03	1.66E-04	0.00E+00	2.98E-06	1.55E-06	1.71E-04
2524	497364.44, 3858301.52	0.04573	0.04521	0.03533	0.01836	1.85E-04	1.35E-03	2.25E-04	5.80E-05	1.82E-03	1.68E-04	0.00E+00	3.00E-06	1.58E-06	1.73E-04
2525	497414.44, 3858301.52	0.04613	0.0455	0.03533	0.01833	1.86E-04	1.36E-03	2.25E-04	5.79E-05	1.83E-03	1.70E-04	0.00E+00	3.00E-06	1.58E-06	1.74E-04
2526	497464.44, 3858301.52	0.04564	0.04503	0.03502	0.01821	1.84E-04	1.34E-03	2.23E-04	5.75E-05	1.81E-03	1.68E-04	0.00E+00	2.98E-06	1.57E-06	1.72E-04
2527	497514.44, 3858301.52	0.04532	0.0447	0.03481	0.01812	1.83E-04	1.33E-03	2.22E-04	5.72E-05	1.80E-03	1.67E-04	0.00E+00	2.96E-06	1.56E-06	1.71E-04
2528	497564.44, 3858301.52	0.04481	0.0442	0.03454	0.018	1.81E-04	1.32E-03	2.20E-04	5.68E-05	1.78E-03	1.65E-04	0.00E+00	2.94E-06	1.55E-06	1.69E-04
2529	497614.44, 3858301.52	0.04466	0.044	0.03438	0.01793	1.81E-04	1.31E-03	2.19E-04	5.66E-05	1.77E-03	1.64E-04	0.00E+00	2.92E-06	1.54E-06	1.69E-04
2530	497364.44, 3858351.52	0.04595	0.04594	0.0349	0.01832	1.86E-04	1.37E-03	2.23E-04	5.78E-05	1.84E-03	1.69E-04	0.00E+00	2.97E-06	1.58E-06	1.73E-04
2531	497414.44, 3858351.52	0.04565	0.04561	0.03466	0.01823	1.85E-04	1.36E-03	2.21E-04	5.76E-05	1.82E-03	1.68E-04	0.00E+00	2.95E-06	1.57E-06	1.72E-04
2532	497464.44, 3858351.52	0.04555	0.04544	0.03453	0.01816	1.84E-04	1.36E-03	2.20E-04	5.73E-05	1.82E-03	1.67E-04	0.00E+00	2.94E-06	1.56E-06	1.72E-04
2533	497514.44, 3858351.52	0.0453	0.04516	0.03431	0.01807	1.83E-04	1.35E-03	2.19E-04	5.71E-05	1.81E-03	1.67E-04	0.00E+00	2.92E-06	1.56E-06	1.71E-04
2534	497564.44, 3858351.52	0.04467	0.04457	0.03398	0.01793	1.81E-04	1.33E-03	2.17E-04	5.66E-05	1.78E-03	1.64E-04	0.00E+00	2.89E-06	1.54E-06	1.69E-04
2535	497614.44, 3858351.52	0.04454	0.04438	0.03383	0.01786	1.80E-04	1.32E-03	2.16E-04	5.64E-05	1.78E-03	1.64E-04	0.00E+00	2.88E-06	1.54E-06	1.68E-04
2536	497364.44, 3858401.52	0.04561	0.04609	0.0344	0.01825	1.84E-04	1.38E-03	2.19E-04	5.76E-05	1.84E-03	1.68E-04	0.00E+00	2.93E-06	1.57E-06	1.72E-04
2537	497414.44, 3858401.52	0.04541	0.04592	0.03411	0.01814	1.84E-04	1.37E-03	2.18E-04	5.73E-05	1.83E-03	1.67E-04	0.00E+00	2.90E-06	1.56E-06	1.71E-04
2538	497464.44, 3858401.52	0.04508	0.04556	0.03389	0.01804	1.82E-04	1.36E-03	2.16E-04	5.70E-05	1.81E-03	1.66E-04	0.00E+00	2.88E-06	1.55E-06	1.70E-04
2539	497514.44, 3858401.52	0.04491	0.04534	0.03371	0.01797	1.82E-04	1.35E-03	2.15E-04	5.67E-05	1.81E-03	1.65E-04	0.00E+00	2.87E-06	1.55E-06	1.70E-04
2540	497564.44, 3858401.52	0.04542	0.04563	0.03385	0.01797	1.84E-04	1.36E-03	2.16E-04	5.67E-05	1.82E-03	1.67E-04	0.00E+00	2.88E-06	1.55E-06	1.71E-04
2541	497614.44, 3858401.52	0.04608	0.04597	0.03401	0.01799	1.86E-04	1.37E-03	2.17E-04	5.68E-05	1.83E-03	1.69E-04	0.00E+00	2.89E-06	1.55E-06	1.74E-04
2542	493478.11, 3860497.94	0.04769	0.1554	0.01446	0.0176	1.93E-04	4.64E-03	9.22E-05	5.56E-05	4.98E-03	1.75E-04	0.00E+00	1.23E-06	1.52E-06	1.78E-04
2543	493528.11, 3860497.94	0.04782	0.15386	0.01453	0.01752	1.93E-04	4.59E-03	9.27E-05	5.53E-05	4.93E-03	1.76E-04	0.00E+00	1.24E-06	1.51E-06	1.79E-04
2544	493478.11, 3860547.94	0.04633	0.15279	0.01386	0.01712	1.87E-04	4.56E-03	8.84E-05	5.41E-05	4.89E-03	1.70E-04	0.00E+00	1.18E-06	1.47E-06	1.73E-04
2545	493528.11, 3860547.94	0.04646	0.15142	0.0139	0.01705	1.88E-04	4.52E-03	8.87E-05	5.38E-05	4.85E-03	1.71E-04	0.00E+00	1.18E-06	1.47E-06	1.73E-04
2546	493478.11, 3860597.94	0.04501	0.15017	0.01333	0.01663	1.82E-04	4.48E-03	8.50E-05	5.25E-05	4.80E-03	1.65E-04	0.00E+00	1.13E-06	1.43E-06	1.68E-04
2547	493528.11, 3860597.94	0.04515	0.14872	0.01336	0.01658	1.83E-04	4.44E-03	8.52E-05	5.23E-05	4.76E-03	1.66E-04	0.00E+00	1.14E-06	1.43E-06	1.69E-04
2548	493561.88, 3860524.64	0.0472	0.15149	0.01424	0.01722	1.91E-04	4.52E-03	9.08E-05	5.44E-05	4.86E-03	1.74E-04	0.00E+00	1.21E-06	1.48E-06	1.76E-04
2549	493591.88, 3860524.64	0.04731	0.15054	0.01432	0.01715	1.91E-04	4.49E-03	9.13E-05	5.41E-05	4.83E-03	1.74E-04	0.00E+00	1.22E-06	1.48E-06	1.77E-04
2550	493561.88, 3860554.64	0.04638	0.15005	0.01387	0.01694	1.87E-04	4.48E-03	8.85E-05	5.35E-05	4.81E-03	1.71E-04	0.00E+00	1.18E-06	1.46E-06	1.73E-04
2551	493591.88, 3860554.64	0.04654	0.14902	0.01396	0.01687	1.88E-04	4.45E-03	8.90E-05	5.33E-05	4.78E-03	1.71E-04	0.00E+00	1.19E-06	1.45E-06	1.74E-04
2552	492880.5, 3860293.11	0.05091	0.19104	0.01568	0.02159	2.06E-04	5.70E-03	1.00E-04	6.82E-05	6.07E-03	1.87E-04	0.00E+00	1.33E-06	1.86E-06	1.90E-04
2553	492930.5, 3860293.11	0.05124	0.18849	0.01586	0.02138	2.07E-04	5.62E-03	1.01E-04	6.75E-05	6.00E-03	1.88E-04	0.00E+00	1.35E-06	1.84E-06	1.92E-04
2554	492980.5, 3860293.11	0.05157	0.18591	0.01607	0.02117	2.08E-04	5.55E-03	1.03E-04	6.68E-05	5.92E-03	1.90E-04	0.00E+00	1.37E-06	1.82E-06	1.93E-04
2555	493030.5, 3860293.11	0.05212	0.18217	0.01626	0.0209	2.11E-04	5.43E-03	1.04E-04	6.60E-05	5.82E-03	1.92E-04	0.00E+00	1.38E-06	1.80E-06	1.95E-04
2556	493080.5, 3860293.11	0.05264	0.17729	0.01603	0.02069	2.13E-04	5.29E-03	1.02E-04	6.53E-05	5.67E-03	1.94E-04	0.00E+00	1.36E-06	1.78E-06	1.97E-04

2557	493130.5, 3860293.11	0.05262	0.17712	0.01633	0.02057	2.13E-04	5.28E-03	1.04E-04	6.49E-05	5.67E-03	1.93E-04	0.00E+00	1.39E-06	1.77E-06	1.97E-04
2558	493180.5, 3860293.11	0.0526	0.17623	0.01663	0.02047	2.13E-04	5.26E-03	1.06E-04	6.46E-05	5.64E-03	1.93E-04	0.00E+00	1.41E-06	1.76E-06	1.97E-04
2559	493230.5, 3860293.11	0.05271	0.17439	0.01677	0.02034	2.13E-04	5.20E-03	1.07E-04	6.42E-05	5.59E-03	1.94E-04	0.00E+00	1.43E-06	1.75E-06	1.97E-04
2560	493280.5, 3860293.11	0.05299	0.17153	0.01671	0.02017	2.14E-04	5.12E-03	1.07E-04	6.37E-05	5.50E-03	1.95E-04	0.00E+00	1.42E-06	1.74E-06	1.98E-04
2561	493330.5, 3860293.11	0.05317	0.16917	0.01675	0.02002	2.15E-04	5.05E-03	1.07E-04	6.32E-05	5.43E-03	1.95E-04	0.00E+00	1.42E-06	1.72E-06	1.99E-04
2562	493380.5, 3860293.11	0.05329	0.16708	0.01683	0.01988	2.15E-04	4.98E-03	1.07E-04	6.28E-05	5.37E-03	1.96E-04	0.00E+00	1.43E-06	1.71E-06	1.99E-04
2563	492880.5, 3860343.11	0.04929	0.18796	0.015	0.02098	1.99E-04	5.61E-03	9.57E-05	6.62E-05	5.97E-03	1.81E-04	0.00E+00	1.28E-06	1.81E-06	1.84E-04
2564	492930.5, 3860343.11	0.0496	0.18561	0.01513	0.02079	2.00E-04	5.54E-03	9.65E-05	6.56E-05	5.90E-03	1.82E-04	0.00E+00	1.29E-06	1.79E-06	1.85E-04
2565	492980.5, 3860343.11	0.05022	0.18234	0.01557	0.02047	2.03E-04	5.44E-03	9.93E-05	6.46E-05	5.81E-03	1.85E-04	0.00E+00	1.32E-06	1.76E-06	1.88E-04
2566	493030.5, 3860343.11	0.05047	0.1801	0.0157	0.02031	2.04E-04	5.37E-03	1.00E-04	6.41E-05	5.74E-03	1.86E-04	0.00E+00	1.34E-06	1.75E-06	1.89E-04
2567	493080.5, 3860343.11	0.051	0.17627	0.01564	0.02008	2.06E-04	5.26E-03	9.98E-05	6.34E-05	5.63E-03	1.88E-04	0.00E+00	1.33E-06	1.73E-06	1.91E-04
2568	493130.5, 3860343.11	0.05113	0.17474	0.01581	0.01996	2.07E-04	5.21E-03	1.01E-04	6.30E-05	5.58E-03	1.88E-04	0.00E+00	1.34E-06	1.72E-06	1.91E-04
2569	493180.5, 3860343.11	0.05109	0.1739	0.01602	0.0199	2.07E-04	5.19E-03	1.02E-04	6.28E-05	5.56E-03	1.88E-04	0.00E+00	1.36E-06	1.71E-06	1.91E-04
2570	493230.5, 3860343.11	0.05125	0.17202	0.01612	0.01977	2.07E-04	5.13E-03	1.03E-04	6.24E-05	5.50E-03	1.88E-04	0.00E+00	1.37E-06	1.70E-06	1.91E-04
2571	493280.5, 3860343.11	0.05157	0.16938	0.01619	0.01959	2.08E-04	5.05E-03	1.03E-04	6.19E-05	5.43E-03	1.90E-04	0.00E+00	1.38E-06	1.69E-06	1.93E-04
2572	493330.5, 3860343.11	0.0518	0.16697	0.01619	0.01944	2.09E-04	4.98E-03	1.03E-04	6.14E-05	5.36E-03	1.90E-04	0.00E+00	1.38E-06	1.67E-06	1.93E-04
2573	493380.5, 3860343.11	0.05194	0.16504	0.01628	0.01932	2.10E-04	4.92E-03	1.04E-04	6.10E-05	5.30E-03	1.91E-04	0.00E+00	1.38E-06	1.66E-06	1.94E-04
2574	492880.5, 3860393.11	0.04772	0.18473	0.01441	0.02038	1.93E-04	5.51E-03	9.19E-05	6.43E-05	5.86E-03	1.75E-04	0.00E+00	1.23E-06	1.75E-06	1.78E-04
2575	492930.5, 3860393.11	0.04808	0.18237	0.01455	0.02017	1.94E-04	5.44E-03	9.28E-05	6.37E-05	5.79E-03	1.77E-04	0.00E+00	1.24E-06	1.74E-06	1.80E-04
2576	492980.5, 3860393.11	0.04853	0.17987	0.01478	0.01994	1.96E-04	5.37E-03	9.43E-05	6.30E-05	5.72E-03	1.78E-04	0.00E+00	1.26E-06	1.72E-06	1.81E-04
2577	493030.5, 3860393.11	0.0489	0.17745	0.01497	0.01974	1.98E-04	5.29E-03	9.55E-05	6.23E-05	5.65E-03	1.80E-04	0.00E+00	1.27E-06	1.70E-06	1.83E-04
2578	493080.5, 3860393.11	0.04944	0.17412	0.01527	0.01949	2.00E-04	5.19E-03	9.74E-05	6.15E-05	5.55E-03	1.82E-04	0.00E+00	1.30E-06	1.68E-06	1.85E-04
2579	493130.5, 3860393.11	0.04954	0.17272	0.01535	0.0194	2.00E-04	5.15E-03	9.79E-05	6.13E-05	5.51E-03	1.82E-04	0.00E+00	1.31E-06	1.67E-06	1.85E-04
2580	493180.5, 3860393.11	0.04954	0.1715	0.01524	0.01935	2.00E-04	5.12E-03	9.72E-05	6.11E-05	5.47E-03	1.82E-04	0.00E+00	1.30E-06	1.67E-06	1.85E-04
2581	493230.5, 3860393.11	0.04977	0.16951	0.01537	0.01922	2.01E-04	5.06E-03	9.80E-05	6.07E-05	5.42E-03	1.83E-04	0.00E+00	1.31E-06	1.66E-06	1.86E-04
2582	493280.5, 3860393.11	0.05013	0.16702	0.01564	0.01903	2.03E-04	4.98E-03	9.98E-05	6.01E-05	5.35E-03	1.84E-04	0.00E+00	1.33E-06	1.64E-06	1.87E-04
2583	493330.5, 3860393.11	0.05039	0.16476	0.01571	0.01889	2.04E-04	4.92E-03	1.00E-04	5.96E-05	5.28E-03	1.85E-04	0.00E+00	1.34E-06	1.63E-06	1.88E-04
2584	493380.5, 3860393.11	0.05058	0.16282	0.01577	0.01876	2.04E-04	4.86E-03	1.01E-04	5.92E-05	5.22E-03	1.86E-04	0.00E+00	1.34E-06	1.62E-06	1.89E-04
2585	492880.5, 3860443.11	0.04628	0.18126	0.01393	0.01975	1.87E-04	5.41E-03	8.89E-05	6.24E-05	5.75E-03	1.70E-04	0.00E+00	1.18E-06	1.70E-06	1.73E-04
2586	492930.5, 3860443.11	0.04652	0.17916	0.01398	0.01961	1.88E-04	5.34E-03	8.92E-05	6.19E-05	5.68E-03	1.71E-04	0.00E+00	1.19E-06	1.69E-06	1.74E-04
2587	492980.5, 3860443.11	0.04692	0.17701	0.01413	0.0194	1.90E-04	5.28E-03	9.01E-05	6.13E-05	5.62E-03	1.73E-04	0.00E+00	1.20E-06	1.67E-06	1.75E-04
2588	493030.5, 3860443.11	0.04731	0.17466	0.0143	0.0192	1.91E-04	5.21E-03	9.12E-05	6.06E-05	5.55E-03	1.74E-04	0.00E+00	1.22E-06	1.65E-06	1.77E-04
2589	493080.5, 3860443.11	0.04759	0.1726	0.01441	0.01906	1.92E-04	5.15E-03	9.19E-05	6.02E-05	5.49E-03	1.75E-04	0.00E+00	1.23E-06	1.64E-06	1.78E-04
2590	493130.5, 3860443.11	0.04787	0.17056	0.01452	0.01891	1.94E-04	5.09E-03	9.26E-05	5.97E-05	5.43E-03	1.76E-04	0.00E+00	1.23E-06	1.63E-06	1.79E-04
2591	493180.5, 3860443.11	0.04793	0.16898	0.01448	0.01887	1.94E-04	5.04E-03	9.24E-05	5.96E-05	5.39E-03	1.76E-04	0.00E+00	1.23E-06	1.62E-06	1.79E-04
2592	493230.5, 3860443.11	0.04834	0.16673	0.01473	0.01866	1.95E-04	4.97E-03	9.40E-05	5.89E-05	5.32E-03	1.78E-04	0.00E+00	1.25E-06	1.61E-06	1.81E-04
2593	493280.5, 3860443.11	0.04864	0.16466	0.01491	0.01851	1.97E-04	4.91E-03	9.51E-05	5.84E-05	5.26E-03	1.79E-04	0.00E+00	1.27E-06	1.59E-06	1.82E-04
2594	493330.5, 3860443.11	0.04899	0.16232	0.01516	0.01834	1.98E-04	4.84E-03	9.67E-05	5.79E-05	5.20E-03	1.80E-04	0.00E+00	1.29E-06	1.58E-06	1.83E-04
2595	493380.5, 3860443.11	0.04913	0.16071	0.01524	0.01825	1.99E-04	4.79E-03	9.72E-05	5.76E-05	5.15E-03	1.81E-04	0.00E+00	1.30E-06	1.57E-06	1.83E-04
2596	493180.5, 3860493.11	0.04653	0.16595	0.01395	0.0183	1.88E-04	4.95E-03	8.90E-05	5.78E-05	5.29E-03	1.71E-04	0.00E+00	1.19E-06	1.58E-06	1.74E-04
2597	493230.5, 3860493.11	0.04686	0.164	0.0141	0.01814	1.89E-04	4.89E-03	8.99E-05	5.73E-05	5.23E-03	1.72E-04	0.00E+00	1.20E-06	1.56E-06	1.75E-04
2598	493280.5, 3860493.11	0.0472	0.162	0.01427	0.01799	1.91E-04	4.83E-03	9.10E-05	5.68E-05	5.17E-03	1.74E-04	0.00E+00	1.21E-06	1.55E-06	1.76E-04
2599	493330.5, 3860493.11	0.04747	0.16012	0.01442	0.01786	1.92E-04	4.78E-03	9.20E-05	5.64E-05	5.12E-03	1.75E-04	0.00E+00	1.23E-06	1.54E-06	1.77E-04
2600	493380.5, 3860493.11	0.04763	0.15853	0.01447	0.01777	1.93E-04	4.73E-03	9.23E-05	5.61E-05	5.07E-03	1.75E-04	0.00E+00	1.23E-06	1.53E-06	1.78E-04
2601	493330.5, 3860543.11	0.04606	0.15747	0.01382	0.01735	1.86E-04	4.70E-03	8.82E-05	5.48E-05	5.03E-03	1.69E-04	0.00E+00	1.18E-06	1.49E-06	1.72E-04
2602	493380.5, 3860543.11	0.04622	0.15594	0.01386	0.01728	1.87E-04	4.65E-03	8.84E-05	5.46E-05	4.98E-03	1.70E-04	0.00E+00	1.18E-06	1.49E-06	1.73E-04
2603	494135.94, 3860876.85	0.0405	0.12026	0.01162	0.01325	1.64E-04	3.59E-03	7.41E-05	4.18E-05	3.87E-03	1.49E-04	0.00E+00	9.88E-07	1.14E-06	1.51E-04
2604	494185.94, 3860876.85	0.04064	0.1193	0.01168	0.01321	1.64E-04	3.56E-03	7.45E-05	4.17E-05	3.84E-03	1.49E-04	0.00E+00	9.93E-07	1.14E-06	1.52E-04
2605	494135.94, 3860926.85	0.03939	0.11793	0.01124	0.01277	1.59E-04	3.52E-03	7.17E-05	4.03E-05	3.79E-03	1.45E-04	0.00E+00	9.56E-07	1.10E-06	1.47E-04
2606	494185.94, 3860926.85	0.03955	0.11702	0.01129	0.01275	1.60E-04	3.49E-03	7.20E-05	4.03E-05	3.76E-03	1.45E-04	0.00E+00	9.60E-07	1.10E-06	1.47E-04
2607	494135.94, 3860976.85	0.03831	0.11561	0.01092	0.01232	1.55E-04	3.45E-03	6.97E-05	3.89E-05	3.71E-03	1.41E-04	0.00E+00	9.29E-07	1.06E-06	1.43E-04
2608	494185.94, 3860976.85	0.03848	0.11475	0.01095	0.01231	1.56E-04	3.42E-03	6.98E-05	3.89E-05	3.69E-03	1.41E-04	0.00E+00	9.31E-07	1.06E-06	1.43E-04
2609	494135.94, 3861026.85	0.03724	0.11327	0.01063	0.0119	1.51E-04	3.38E-03	6.78E-05	3.76E-05	3.64E-03	1.37E-04	0.00E+00	9.04E-07	1.02E-06	1.39E-04
2610	494185.94, 3861026.85	0.03742	0.11246	0.01065	0.01189	1.51E-04	3.36E-03	6.79E-05	3.75E-05	3.61E-03	1.38E-04	0.00E+00	9.06E-07	1.02E-06	1.40E-04
2611	494135.94, 3861076.85	0.03621	0.11096	0.01038	0.0115	1.46E-04	3.31E-03	6.62E-05	3.63E-05	3.56E-03	1.33E-04	0.00E+00	8.83E-07	9.90E-07	1.35E-04
2612	494185.94, 3861076.85	0.03639	0.11017	0.01039	0.01148	1.47E-04	3.29E-03	6.63E-05	3.62E-05	3.54E-03	1.34E-04	0.00E+00	8.84E-07	9.89E-07	1.36E-04
2613	490360.04, 3858710.04	0.12498	0.38738	0.07105	0.055	5.05E-04	1.16E-02	4.53E-04	1.74E-04	1.27E-02	4.59E-04	0.00E+00	6.04E-06	4.74E-06	4.70E-04
2614	490410.04, 3858710.04	0.12536	0.37792	0.07072	0.05441	5.07E-04	1.13E-02	4.51E-04	1.72E-04	1.24E-02	4.61E-04	0.00E+00	6.01E-06	4.69E-06	4.72E-04
2615	490460.04, 3858710.04	0.12582	0.36596	0.07038	0.05385	5.09E-04	1.09E-02	4.49E-04	1.70E-04	1.20E-02	4.63E-04	0.00E+00	5.99E-06	4.64E-06	4.73E-04
2616	490510.04, 3858710.04	0.12599	0.35721	0.07014	0.05331	5.09E-04	1.07E-02	4.47E-04	1.68E-04	1.18E-02	4.63E-04	0.00E+00	5.97E-06	4.59E-06	4.74E-04
2617	490560.04, 3858710.04	0.12603	0.3496	0.06993	0.05278	5.09E-04	1.04E-02	4.46E-04	1.67E-04	1.16E-02	4.63E-04	0.00E+00	5.95E-06	4.54E-06	4.74E-04
2618	490610.04, 3858710.04	0.12602	0.34175	0.06974	0.05227	5.09E-04	1.02E-02	4.45E-04	1.65E-04	1.13E-02	4.63E-04	0.00E+00	5.93E-06	4.50E-06	4.74E-04
2619	490660.04, 3858710.04	0.12584	0.33656	0.06956	0.05175	5.09E-04	1.00E-02	4.44E-04	1.63E-04	1.12E-02	4.63E-04	0.00E+00	5.92E-06	4.46E-06	4.73E-04
2620	490710.04, 3858710.04	0.12577	0.32753	0.06944	0.0513	5.08E-04	9.77E-03	4.43E-04	1.62E-04	1.09E-02	4.62E-04	0.00E+00	5.91E-06	4.42E-06	4.73E-04

2621	490760.04, 3858710.04	0.12559	0.31971	0.06934	0.05084	5.08E-04	9.54E-03	4.42E-04	1.61E-04	1.06E-02	4.62E-04	0.00E+00	5.90E-06	4.38E-06	4.72E-04
2622	490810.04, 3858710.04	0.12534	0.31206	0.06928	0.05041	5.07E-04	9.31E-03	4.42E-04	1.59E-04	1.04E-02	4.61E-04	0.00E+00	5.89E-06	4.34E-06	4.71E-04
2623	490860.04, 3858710.04	0.12507	0.30307	0.06931	0.05002	5.06E-04	9.04E-03	4.42E-04	1.58E-04	1.01E-02	4.60E-04	0.00E+00	5.89E-06	4.31E-06	4.70E-04
2624	490360.04, 3858760.04	0.12024	0.39846	0.06547	0.05653	4.86E-04	1.19E-02	4.18E-04	1.78E-04	1.30E-02	4.42E-04	0.00E+00	5.57E-06	4.87E-06	4.52E-04
2625	490410.04, 3858760.04	0.12077	0.38767	0.06523	0.05588	4.88E-04	1.16E-02	4.16E-04	1.76E-04	1.26E-02	4.44E-04	0.00E+00	5.55E-06	4.81E-06	4.54E-04
2626	490460.04, 3858760.04	0.12125	0.37634	0.06501	0.05526	4.90E-04	1.12E-02	4.15E-04	1.74E-04	1.23E-02	4.46E-04	0.00E+00	5.53E-06	4.76E-06	4.56E-04
2627	490510.04, 3858760.04	0.12163	0.36502	0.06483	0.05468	4.92E-04	1.09E-02	4.14E-04	1.73E-04	1.20E-02	4.47E-04	0.00E+00	5.51E-06	4.71E-06	4.57E-04
2628	490560.04, 3858760.04	0.12183	0.35592	0.0647	0.05412	4.92E-04	1.06E-02	4.13E-04	1.71E-04	1.17E-02	4.48E-04	0.00E+00	5.50E-06	4.66E-06	4.58E-04
2629	490610.04, 3858760.04	0.12196	0.34651	0.0646	0.05357	4.93E-04	1.03E-02	4.12E-04	1.69E-04	1.14E-02	4.48E-04	0.00E+00	5.49E-06	4.61E-06	4.58E-04
2630	490660.04, 3858760.04	0.12199	0.33812	0.06453	0.05304	4.93E-04	1.01E-02	4.12E-04	1.67E-04	1.12E-02	4.48E-04	0.00E+00	5.49E-06	4.57E-06	4.59E-04
2631	490710.04, 3858760.04	0.12195	0.32987	0.06449	0.05253	4.93E-04	9.84E-03	4.11E-04	1.66E-04	1.09E-02	4.48E-04	0.00E+00	5.48E-06	4.52E-06	4.58E-04
2632	490760.04, 3858760.04	0.12187	0.32065	0.06452	0.05205	4.93E-04	9.57E-03	4.12E-04	1.64E-04	1.06E-02	4.48E-04	0.00E+00	5.49E-06	4.48E-06	4.58E-04
2633	490810.04, 3858760.04	0.1217	0.31215	0.06458	0.05157	4.92E-04	9.31E-03	4.12E-04	1.63E-04	1.04E-02	4.47E-04	0.00E+00	5.49E-06	4.44E-06	4.57E-04
2634	490860.04, 3858760.04	0.12145	0.30472	0.06462	0.05109	4.91E-04	9.09E-03	4.12E-04	1.61E-04	1.02E-02	4.47E-04	0.00E+00	5.50E-06	4.40E-06	4.56E-04
2635	490360.04, 3858810.04	0.11568	0.40715	0.06033	0.0581	4.68E-04	1.21E-02	3.85E-04	1.83E-04	1.32E-02	4.25E-04	0.00E+00	5.13E-06	5.00E-06	4.35E-04
2636	490410.04, 3858810.04	0.11631	0.3952	0.0602	0.0574	4.70E-04	1.18E-02	3.84E-04	1.81E-04	1.28E-02	4.28E-04	0.00E+00	5.12E-06	4.94E-06	4.38E-04
2637	490460.04, 3858810.04	0.11686	0.38327	0.0601	0.05673	4.72E-04	1.14E-02	3.83E-04	1.79E-04	1.25E-02	4.30E-04	0.00E+00	5.11E-06	4.89E-06	4.40E-04
2638	490510.04, 3858810.04	0.11723	0.37373	0.06003	0.05607	4.74E-04	1.11E-02	3.83E-04	1.77E-04	1.22E-02	4.31E-04	0.00E+00	5.11E-06	4.83E-06	4.41E-04
2639	490560.04, 3858810.04	0.11754	0.36395	0.05997	0.05544	4.75E-04	1.09E-02	3.83E-04	1.75E-04	1.19E-02	4.32E-04	0.00E+00	5.10E-06	4.77E-06	4.42E-04
2640	490610.04, 3858810.04	0.11784	0.3523	0.05994	0.05486	4.76E-04	1.05E-02	3.82E-04	1.73E-04	1.15E-02	4.33E-04	0.00E+00	5.10E-06	4.72E-06	4.43E-04
2641	490660.04, 3858810.04	0.11799	0.34272	0.05995	0.05428	4.77E-04	1.02E-02	3.82E-04	1.71E-04	1.13E-02	4.34E-04	0.00E+00	5.10E-06	4.67E-06	4.44E-04
2642	490710.04, 3858810.04	0.11808	0.33266	0.06001	0.05372	4.77E-04	9.92E-03	3.83E-04	1.70E-04	1.10E-02	4.34E-04	0.00E+00	5.10E-06	4.63E-06	4.44E-04
2643	490760.04, 3858810.04	0.11811	0.32101	0.06019	0.05323	4.77E-04	9.58E-03	3.84E-04	1.68E-04	1.06E-02	4.34E-04	0.00E+00	5.12E-06	4.58E-06	4.44E-04
2644	490810.04, 3858810.04	0.11799	0.3149	0.0602	0.05263	4.77E-04	9.39E-03	3.84E-04	1.66E-04	1.04E-02	4.34E-04	0.00E+00	5.12E-06	4.53E-06	4.43E-04
2645	490860.04, 3858810.04	0.11784	0.30561	0.06038	0.05212	4.76E-04	9.12E-03	3.85E-04	1.65E-04	1.01E-02	4.33E-04	0.00E+00	5.14E-06	4.49E-06	4.43E-04
2646	490360.04, 3858860.04	0.11128	0.41283	0.05556	0.05972	4.50E-04	1.23E-02	3.54E-04	1.89E-04	1.33E-02	4.09E-04	0.00E+00	4.73E-06	5.14E-06	4.19E-04
2647	490410.04, 3858860.04	0.11179	0.40384	0.05562	0.05893	4.52E-04	1.20E-02	3.55E-04	1.86E-04	1.30E-02	4.11E-04	0.00E+00	4.73E-06	5.07E-06	4.21E-04
2648	490460.04, 3858860.04	0.11247	0.39019	0.05561	0.0582	4.55E-04	1.16E-02	3.55E-04	1.84E-04	1.26E-02	4.13E-04	0.00E+00	4.73E-06	5.01E-06	4.23E-04
2649	490510.04, 3858860.04	0.11285	0.38208	0.05564	0.05745	4.56E-04	1.14E-02	3.55E-04	1.81E-04	1.24E-02	4.15E-04	0.00E+00	4.73E-06	4.95E-06	4.25E-04
2650	490560.04, 3858860.04	0.11331	0.37027	0.05565	0.05676	4.58E-04	1.10E-02	3.55E-04	1.79E-04	1.20E-02	4.17E-04	0.00E+00	4.73E-06	4.89E-06	4.26E-04
2651	490610.04, 3858860.04	0.11376	0.35599	0.05571	0.05614	4.60E-04	1.06E-02	3.55E-04	1.77E-04	1.16E-02	4.18E-04	0.00E+00	4.74E-06	4.83E-06	4.28E-04
2652	490660.04, 3858860.04	0.114	0.34612	0.05578	0.05548	4.61E-04	1.03E-02	3.56E-04	1.75E-04	1.13E-02	4.19E-04	0.00E+00	4.74E-06	4.78E-06	4.29E-04
2653	490710.04, 3858860.04	0.11413	0.33813	0.05584	0.05482	4.61E-04	1.01E-02	3.56E-04	1.73E-04	1.11E-02	4.20E-04	0.00E+00	4.75E-06	4.72E-06	4.29E-04
2654	490760.04, 3858860.04	0.11426	0.32619	0.05604	0.05425	4.62E-04	9.73E-03	3.57E-04	1.71E-04	1.07E-02	4.20E-04	0.00E+00	4.77E-06	4.67E-06	4.30E-04
2655	490810.04, 3858860.04	0.11428	0.31538	0.05627	0.05368	4.62E-04	9.41E-03	3.59E-04	1.69E-04	1.04E-02	4.20E-04	0.00E+00	4.79E-06	4.62E-06	4.30E-04
2656	490860.04, 3858860.04	0.11418	0.30471	0.05657	0.05314	4.62E-04	9.09E-03	3.61E-04	1.68E-04	1.01E-02	4.20E-04	0.00E+00	4.81E-06	4.58E-06	4.29E-04
2657	490360.04, 3858910.04	0.1066	0.4252	0.05126	0.06132	4.31E-04	1.27E-02	3.27E-04	1.94E-04	1.36E-02	3.92E-04	0.00E+00	4.36E-06	5.28E-06	4.02E-04
2658	490410.04, 3858910.04	0.1073	0.41283	0.05138	0.06045	4.34E-04	1.23E-02	3.28E-04	1.91E-04	1.33E-02	3.94E-04	0.00E+00	4.37E-06	5.21E-06	4.04E-04
2659	490460.04, 3858910.04	0.10798	0.40006	0.05147	0.05961	4.36E-04	1.19E-02	3.28E-04	1.88E-04	1.29E-02	3.97E-04	0.00E+00	4.38E-06	5.13E-06	4.06E-04
2660	490510.04, 3858910.04	0.10861	0.38695	0.05156	0.05882	4.39E-04	1.15E-02	3.29E-04	1.86E-04	1.25E-02	3.99E-04	0.00E+00	4.39E-06	5.06E-06	4.09E-04
2661	490560.04, 3858910.04	0.10917	0.37351	0.05166	0.05806	4.41E-04	1.11E-02	3.30E-04	1.83E-04	1.21E-02	4.01E-04	0.00E+00	4.39E-06	5.00E-06	4.11E-04
2662	490610.04, 3858910.04	0.10965	0.36037	0.0518	0.05734	4.43E-04	1.08E-02	3.30E-04	1.81E-04	1.17E-02	4.03E-04	0.00E+00	4.41E-06	4.94E-06	4.12E-04
2663	490660.04, 3858910.04	0.10998	0.34971	0.05194	0.05662	4.45E-04	1.04E-02	3.31E-04	1.79E-04	1.14E-02	4.04E-04	0.00E+00	4.42E-06	4.88E-06	4.14E-04
2664	490710.04, 3858910.04	0.11026	0.33805	0.05213	0.05594	4.46E-04	1.01E-02	3.33E-04	1.77E-04	1.10E-02	4.05E-04	0.00E+00	4.43E-06	4.82E-06	4.15E-04
2665	490760.04, 3858910.04	0.11046	0.32514	0.0524	0.05533	4.47E-04	9.70E-03	3.34E-04	1.75E-04	1.07E-02	4.06E-04	0.00E+00	4.46E-06	4.76E-06	4.15E-04
2666	490810.04, 3858910.04	0.11053	0.31568	0.05263	0.05467	4.47E-04	9.42E-03	3.36E-04	1.73E-04	1.04E-02	4.06E-04	0.00E+00	4.48E-06	4.71E-06	4.16E-04
2667	490860.04, 3858910.04	0.1105	0.30358	0.05304	0.0541	4.47E-04	9.06E-03	3.38E-04	1.71E-04	1.00E-02	4.06E-04	0.00E+00	4.51E-06	4.66E-06	4.15E-04
2668	490360.04, 3858960.04	0.10229	0.43198	0.04718	0.06289	4.13E-04	1.29E-02	3.01E-04	1.99E-04	1.38E-02	3.76E-04	0.00E+00	4.01E-06	5.42E-06	3.85E-04
2669	490410.04, 3858960.04	0.10306	0.4175	0.04738	0.06193	4.17E-04	1.25E-02	3.02E-04	1.96E-04	1.34E-02	3.79E-04	0.00E+00	4.03E-06	5.33E-06	3.88E-04
2670	490460.04, 3858960.04	0.10382	0.4026	0.04756	0.06102	4.20E-04	1.20E-02	3.03E-04	1.93E-04	1.29E-02	3.82E-04	0.00E+00	4.04E-06	5.25E-06	3.91E-04
2671	490510.04, 3858960.04	0.10446	0.38934	0.04776	0.06014	4.22E-04	1.16E-02	3.05E-04	1.90E-04	1.25E-02	3.84E-04	0.00E+00	4.06E-06	5.18E-06	3.93E-04
2672	490560.04, 3858960.04	0.10504	0.37656	0.04795	0.05929	4.25E-04	1.12E-02	3.06E-04	1.87E-04	1.22E-02	3.86E-04	0.00E+00	4.08E-06	5.11E-06	3.95E-04
2673	490610.04, 3858960.04	0.1056	0.36137	0.04819	0.05852	4.27E-04	1.08E-02	3.07E-04	1.85E-04	1.17E-02	3.88E-04	0.00E+00	4.10E-06	5.04E-06	3.97E-04
2674	490660.04, 3858960.04	0.10597	0.35295	0.04836	0.05769	4.28E-04	1.05E-02	3.08E-04	1.82E-04	1.14E-02	3.90E-04	0.00E+00	4.11E-06	4.97E-06	3.99E-04
2675	490710.04, 3858960.04	0.10635	0.33888	0.04864	0.05699	4.30E-04	1.01E-02	3.10E-04	1.80E-04	1.10E-02	3.91E-04	0.00E+00	4.14E-06	4.91E-06	4.00E-04
2676	490760.04, 3858960.04	0.10661	0.32672	0.04893	0.05629	4.31E-04	9.75E-03	3.12E-04	1.78E-04	1.07E-02	3.92E-04	0.00E+00	4.16E-06	4.85E-06	4.01E-04
2677	490810.04, 3858960.04	0.10675	0.31489	0.04928	0.05563	4.32E-04	9.39E-03	3.14E-04	1.76E-04	1.03E-02	3.92E-04	0.00E+00	4.19E-06	4.79E-06	4.01E-04
2678	490860.04, 3858960.04	0.10681	0.30193	0.04975	0.05503	4.32E-04	9.01E-03	3.17E-04	1.74E-04	9.93E-03	3.93E-04	0.00E+00	4.23E-06	4.74E-06	4.02E-04
2679	490360.04, 3859010.04	0.09814	0.43781	0.04342	0.06439	3.97E-04	1.31E-02	2.77E-04	2.03E-04	1.39E-02	3.61E-04	0.00E+00	3.69E-06	5.54E-06	3.70E-04
2680	490410.04, 3859010.04	0.09894	0.42156	0.04367	0.06333	4.00E-04	1.26E-02	2.79E-04	2.00E-04	1.35E-02	3.64E-04	0.00E+00	3.71E-06	5.45E-06	3.73E-04
2681	490460.04, 3859010.04	0.09975	0.40361	0.04392	0.06236	4.03E-04	1.20E-02	2.80E-04	1.97E-04	1.29E-02	3.67E-04	0.00E+00	3.74E-06	5.37E-06	3.76E-04
2682	490510.04, 3859010.04	0.10047	0.38689	0.04421	0.06143	4.06E-04	1.15E-02	2.82E-04	1.94E-04	1.24E-02	3.69E-04	0.00E+00	3.76E-06	5.29E-06	3.78E-04
2683	490560.04, 3859010.04	0.10101	0.37654	0.04448	0.06047	4.08E-04	1.12E-02	2.84E-04	1.91E-04	1.21E-02	3.71E-04	0.00E+00	3.78E-06	5.21E-06	3.80E-04
2684	490610.04, 3859010.04	0.10159	0.36129	0.0448	0.05964	4.11E-04	1.08E-02	2.86E-04	1.88E-04	1.17E-02	3.73E-04	0.00E+00	3.81E-06	5.14E-06	3.82E-04

2685	490660.04, 3859010.04	0.10202	0.35304	0.04504	0.05873	4.12E-04	1.05E-02	2.87E-04	1.85E-04	1.14E-02	3.75E-04	0.00E+00	3.83E-06	5.06E-06	3.84E-04
2686	490710.04, 3859010.04	0.10245	0.33818	0.04539	0.05799	4.14E-04	1.01E-02	2.90E-04	1.83E-04	1.10E-02	3.77E-04	0.00E+00	3.86E-06	4.99E-06	3.86E-04
2687	490760.04, 3859010.04	0.10275	0.32511	0.04576	0.05727	4.15E-04	9.70E-03	2.92E-04	1.81E-04	1.06E-02	3.78E-04	0.00E+00	3.89E-06	4.93E-06	3.87E-04
2688	490810.04, 3859010.04	0.10297	0.31241	0.04618	0.05658	4.16E-04	9.32E-03	2.95E-04	1.79E-04	1.02E-02	3.79E-04	0.00E+00	3.93E-06	4.87E-06	3.87E-04
2689	490860.04, 3859010.04	0.10312	0.30113	0.0466	0.05591	4.17E-04	8.98E-03	2.97E-04	1.77E-04	9.87E-03	3.79E-04	0.00E+00	3.96E-06	4.81E-06	3.88E-04
2690	490360.04, 3859060.04	0.09426	0.44122	0.03998	0.06578	3.81E-04	1.32E-02	2.55E-04	2.08E-04	1.40E-02	3.47E-04	0.00E+00	3.40E-06	5.66E-06	3.56E-04
2691	490410.04, 3859060.04	0.09511	0.4203	0.04024	0.06466	3.84E-04	1.25E-02	2.57E-04	2.04E-04	1.34E-02	3.50E-04	0.00E+00	3.42E-06	5.57E-06	3.59E-04
2692	490460.04, 3859060.04	0.09582	0.40344	0.04055	0.06359	3.87E-04	1.20E-02	2.59E-04	2.01E-04	1.29E-02	3.52E-04	0.00E+00	3.45E-06	5.48E-06	3.61E-04
2693	490510.04, 3859060.04	0.09647	0.38876	0.04088	0.06256	3.90E-04	1.16E-02	2.61E-04	1.98E-04	1.24E-02	3.55E-04	0.00E+00	3.48E-06	5.39E-06	3.64E-04
2694	490560.04, 3859060.04	0.0971	0.37243	0.04125	0.06163	3.92E-04	1.11E-02	2.63E-04	1.95E-04	1.20E-02	3.57E-04	0.00E+00	3.51E-06	5.31E-06	3.66E-04
2695	490610.04, 3859060.04	0.09763	0.36096	0.04159	0.06067	3.95E-04	1.08E-02	2.65E-04	1.92E-04	1.16E-02	3.59E-04	0.00E+00	3.54E-06	5.22E-06	3.68E-04
2696	490660.04, 3859060.04	0.09812	0.35038	0.04192	0.05975	3.97E-04	1.05E-02	2.67E-04	1.89E-04	1.13E-02	3.61E-04	0.00E+00	3.57E-06	5.15E-06	3.69E-04
2697	490710.04, 3859060.04	0.09855	0.33519	0.04235	0.05898	3.98E-04	1.00E-02	2.70E-04	1.86E-04	1.09E-02	3.62E-04	0.00E+00	3.60E-06	5.08E-06	3.71E-04
2698	490760.04, 3859060.04	0.0989	0.32187	0.04279	0.05823	4.00E-04	9.60E-03	2.73E-04	1.84E-04	1.05E-02	3.64E-04	0.00E+00	3.64E-06	5.01E-06	3.72E-04
2699	490810.04, 3859060.04	0.09919	0.30876	0.04326	0.05752	4.01E-04	9.21E-03	2.76E-04	1.82E-04	1.01E-02	3.65E-04	0.00E+00	3.68E-06	4.95E-06	3.73E-04
2700	490860.04, 3859060.04	0.09918	0.29725	0.04373	0.05682	4.01E-04	8.87E-03	2.79E-04	1.79E-04	9.73E-03	3.65E-04	0.00E+00	3.72E-06	4.89E-06	3.73E-04
2701	490360.04, 3859110.04	0.09053	0.44681	0.03694	0.067	3.66E-04	1.33E-02	2.36E-04	2.12E-04	1.41E-02	3.33E-04	0.00E+00	3.14E-06	5.77E-06	3.42E-04
2702	490410.04, 3859110.04	0.09131	0.42509	0.03718	0.0658	3.69E-04	1.27E-02	2.37E-04	2.08E-04	1.35E-02	3.36E-04	0.00E+00	3.16E-06	5.67E-06	3.45E-04
2703	490460.04, 3859110.04	0.09194	0.40954	0.03748	0.06463	3.72E-04	1.22E-02	2.39E-04	2.04E-04	1.30E-02	3.38E-04	0.00E+00	3.19E-06	5.57E-06	3.47E-04
2704	490510.04, 3859110.04	0.09267	0.38662	0.03783	0.06365	3.75E-04	1.15E-02	2.41E-04	2.01E-04	1.24E-02	3.41E-04	0.00E+00	3.22E-06	5.48E-06	3.49E-04
2705	490560.04, 3859110.04	0.09326	0.37167	0.03821	0.06264	3.77E-04	1.11E-02	2.44E-04	1.98E-04	1.19E-02	3.43E-04	0.00E+00	3.25E-06	5.39E-06	3.52E-04
2706	490610.04, 3859110.04	0.09381	0.35619	0.03862	0.06172	3.79E-04	1.06E-02	2.46E-04	1.95E-04	1.14E-02	3.45E-04	0.00E+00	3.28E-06	5.31E-06	3.53E-04
2707	490660.04, 3859110.04	0.09427	0.33997	0.03909	0.06088	3.81E-04	1.01E-02	2.49E-04	1.92E-04	1.10E-02	3.47E-04	0.00E+00	3.32E-06	5.24E-06	3.55E-04
2708	490710.04, 3859110.04	0.09471	0.32943	0.0395	0.05998	3.83E-04	9.83E-03	2.52E-04	1.89E-04	1.07E-02	3.48E-04	0.00E+00	3.36E-06	5.16E-06	3.57E-04
2709	490760.04, 3859110.04	0.0951	0.31699	0.03996	0.05918	3.84E-04	9.46E-03	2.55E-04	1.87E-04	1.03E-02	3.50E-04	0.00E+00	3.40E-06	5.10E-06	3.58E-04
2710	490810.04, 3859110.04	0.09514	0.30317	0.04051	0.05846	3.85E-04	9.04E-03	2.58E-04	1.85E-04	9.87E-03	3.50E-04	0.00E+00	3.45E-06	5.03E-06	3.58E-04
2711	490860.04, 3859110.04	0.09526	0.29029	0.04108	0.05777	3.85E-04	8.66E-03	2.62E-04	1.82E-04	9.49E-03	3.50E-04	0.00E+00	3.49E-06	4.97E-06	3.59E-04
2712	490360.04, 3859160.04	0.08702	0.45353	0.03428	0.06809	3.52E-04	1.35E-02	2.19E-04	2.15E-04	1.43E-02	3.20E-04	0.00E+00	2.92E-06	5.86E-06	3.29E-04
2713	490410.04, 3859160.04	0.08771	0.43189	0.03449	0.0668	3.55E-04	1.29E-02	2.20E-04	2.11E-04	1.37E-02	3.22E-04	0.00E+00	2.93E-06	5.75E-06	3.31E-04
2714	490460.04, 3859160.04	0.08835	0.41289	0.03476	0.06559	3.57E-04	1.23E-02	2.22E-04	2.07E-04	1.31E-02	3.25E-04	0.00E+00	2.96E-06	5.65E-06	3.33E-04
2715	490510.04, 3859160.04	0.08896	0.39437	0.03506	0.06449	3.60E-04	1.18E-02	2.24E-04	2.04E-04	1.26E-02	3.27E-04	0.00E+00	2.98E-06	5.55E-06	3.36E-04
2716	490560.04, 3859160.04	0.08957	0.37383	0.03542	0.06352	3.62E-04	1.12E-02	2.26E-04	2.01E-04	1.19E-02	3.29E-04	0.00E+00	3.01E-06	5.47E-06	3.38E-04
2717	490610.04, 3859160.04	0.0901	0.35963	0.03579	0.06251	3.64E-04	1.07E-02	2.28E-04	1.97E-04	1.15E-02	3.31E-04	0.00E+00	3.04E-06	5.38E-06	3.40E-04
2718	490660.04, 3859160.04	0.09054	0.33542	0.03634	0.06183	3.66E-04	1.00E-02	2.32E-04	1.95E-04	1.08E-02	3.33E-04	0.00E+00	3.09E-06	5.32E-06	3.41E-04
2719	490710.04, 3859160.04	0.09098	0.32411	0.03678	0.06091	3.68E-04	9.67E-03	2.35E-04	1.92E-04	1.05E-02	3.34E-04	0.00E+00	3.13E-06	5.24E-06	3.43E-04
2720	490760.04, 3859160.04	0.09097	0.30707	0.03737	0.0602	3.68E-04	9.16E-03	2.38E-04	1.90E-04	9.96E-03	3.34E-04	0.00E+00	3.18E-06	5.18E-06	3.43E-04
2721	490810.04, 3859160.04	0.09124	0.29675	0.03786	0.05936	3.69E-04	8.85E-03	2.41E-04	1.87E-04	9.65E-03	3.35E-04	0.00E+00	3.22E-06	5.11E-06	3.44E-04
2722	490860.04, 3859160.04	0.09144	0.28603	0.03839	0.05856	3.70E-04	8.53E-03	2.45E-04	1.85E-04	9.33E-03	3.36E-04	0.00E+00	3.26E-06	5.04E-06	3.44E-04
2723	490360.04, 3859210.04	0.08379	0.45962	0.03195	0.06905	3.39E-04	1.37E-02	2.04E-04	2.18E-04	1.45E-02	3.08E-04	0.00E+00	2.72E-06	5.95E-06	3.17E-04
2724	490410.04, 3859210.04	0.08427	0.44397	0.03217	0.06764	3.41E-04	1.32E-02	2.05E-04	2.14E-04	1.40E-02	3.10E-04	0.00E+00	2.74E-06	5.82E-06	3.18E-04
2725	490460.04, 3859210.04	0.08499	0.41656	0.03237	0.06643	3.44E-04	1.24E-02	2.06E-04	2.10E-04	1.32E-02	3.12E-04	0.00E+00	2.75E-06	5.72E-06	3.21E-04
2726	490510.04, 3859210.04	0.08556	0.39663	0.03264	0.06529	3.46E-04	1.18E-02	2.08E-04	2.06E-04	1.26E-02	3.15E-04	0.00E+00	2.78E-06	5.62E-06	3.23E-04
2727	490560.04, 3859210.04	0.08606	0.38194	0.03293	0.06416	3.48E-04	1.14E-02	2.10E-04	2.03E-04	1.22E-02	3.16E-04	0.00E+00	2.80E-06	5.52E-06	3.25E-04
2728	490610.04, 3859210.04	0.08658	0.36394	0.03326	0.06318	3.50E-04	1.09E-02	2.12E-04	1.99E-04	1.16E-02	3.18E-04	0.00E+00	2.83E-06	5.44E-06	3.27E-04
2729	490660.04, 3859210.04	0.08702	0.34063	0.0337	0.06241	3.52E-04	1.02E-02	2.15E-04	1.97E-04	1.09E-02	3.20E-04	0.00E+00	2.87E-06	5.37E-06	3.28E-04
2730	490710.04, 3859210.04	0.08745	0.32678	0.0341	0.06148	3.53E-04	9.75E-03	2.18E-04	1.94E-04	1.05E-02	3.22E-04	0.00E+00	2.90E-06	5.29E-06	3.30E-04
2731	490760.04, 3859210.04	0.08743	0.30872	0.03467	0.06081	3.53E-04	9.21E-03	2.21E-04	1.92E-04	9.98E-03	3.21E-04	0.00E+00	2.95E-06	5.24E-06	3.30E-04
2732	490810.04, 3859210.04	0.08785	0.30302	0.03502	0.05978	3.55E-04	9.04E-03	2.23E-04	1.89E-04	9.81E-03	3.23E-04	0.00E+00	2.98E-06	5.15E-06	3.31E-04
2733	490860.04, 3859210.04	0.08826	0.29687	0.03538	0.0588	3.57E-04	8.86E-03	2.26E-04	1.86E-04	9.62E-03	3.24E-04	0.00E+00	3.01E-06	5.06E-06	3.33E-04
2734	490360.04, 3859260.04	0.08092	0.46227	0.02988	0.06992	3.27E-04	1.38E-02	1.91E-04	2.21E-04	1.45E-02	2.98E-04	0.00E+00	2.54E-06	6.02E-06	3.06E-04
2735	490410.04, 3859260.04	0.08135	0.44425	0.03008	0.06845	3.29E-04	1.33E-02	1.92E-04	2.16E-04	1.40E-02	2.99E-04	0.00E+00	2.56E-06	5.89E-06	3.08E-04
2736	490460.04, 3859260.04	0.08176	0.42929	0.0303	0.06705	3.30E-04	1.28E-02	1.93E-04	2.12E-04	1.35E-02	3.01E-04	0.00E+00	2.58E-06	5.77E-06	3.09E-04
2737	490510.04, 3859260.04	0.08218	0.41449	0.03051	0.06572	3.32E-04	1.24E-02	1.95E-04	2.08E-04	1.31E-02	3.02E-04	0.00E+00	2.59E-06	5.66E-06	3.10E-04
2738	490560.04, 3859260.04	0.08272	0.39539	0.03074	0.06457	3.34E-04	1.18E-02	1.96E-04	2.04E-04	1.25E-02	3.04E-04	0.00E+00	2.61E-06	5.56E-06	3.12E-04
2739	490610.04, 3859260.04	0.08327	0.37148	0.03104	0.06363	3.37E-04	1.11E-02	1.98E-04	2.01E-04	1.18E-02	3.06E-04	0.00E+00	2.64E-06	5.48E-06	3.14E-04
2740	490660.04, 3859260.04	0.0837	0.36305	0.03128	0.06245	3.38E-04	1.08E-02	2.00E-04	1.97E-04	1.16E-02	3.08E-04	0.00E+00	2.66E-06	5.38E-06	3.16E-04
2741	490710.04, 3859260.04	0.08416	0.34925	0.03157	0.06143	3.40E-04	1.04E-02	2.01E-04	1.94E-04	1.12E-02	3.09E-04	0.00E+00	2.68E-06	5.29E-06	3.17E-04
2742	490760.04, 3859260.04	0.08456	0.32834	0.03199	0.06075	3.42E-04	9.80E-03	2.04E-04	1.92E-04	1.05E-02	3.11E-04	0.00E+00	2.72E-06	5.23E-06	3.19E-04
2743	490810.04, 3859260.04	0.085	0.31999	0.03231	0.05975	3.44E-04	9.55E-03	2.06E-04	1.89E-04	1.03E-02	3.13E-04	0.00E+00	2.75E-06	5.15E-06	3.20E-04
2744	490860.04, 3859260.04	0.08543	0.3118	0.03265	0.05879	3.45E-04	9.30E-03	2.08E-04	1.86E-04	1.00E-02	3.14E-04	0.00E+00	2.78E-06	5.06E-06	3.22E-04
2745	490360.04, 3859310.04	0.0781	0.47194	0.02808	0.07067	3.16E-04	1.41E-02	1.79E-04	2.23E-04	1.48E-02	2.87E-04	0.00E+00	2.39E-06	6.09E-06	2.96E-04
2746	490410.04, 3859310.04	0.07848	0.45352	0.02826	0.06909	3.17E-04	1.35E-02	1.80E-04	2.18E-04	1.42E-02	2.89E-04	0.00E+00	2.40E-06	5.95E-06	2.97E-04
2747	490460.04, 3859310.04	0.07884	0.43717	0.02846	0.06761	3.19E-04	1.30E-02	1.82E-04	2.13E-04	1.38E-02	2.90E-04	0.00E+00	2.42E-06	5.82E-06	2.98E-04
2748	490510.04, 3859310.04	0.07918	0.42397	0.02866	0.06619	3.20E-04	1.26E-02	1.83E-04	2.09E-04	1.34E-02	2.91E-04	0.00E+00	2.44E-06	5.70E-06	2.99E-04

2749	490560.04, 3859310.04	0.07958	0.41008	0.02886	0.06486	3.22E-04	1.22E-02	1.84E-04	2.05E-04	1.29E-02	2.93E-04	0.00E+00	2.45E-06	5.59E-06	3.01E-04
2750	490610.04, 3859310.04	0.07998	0.39804	0.02906	0.06359	3.23E-04	1.19E-02	1.85E-04	2.01E-04	1.26E-02	2.94E-04	0.00E+00	2.47E-06	5.48E-06	3.02E-04
2751	490660.04, 3859310.04	0.08044	0.38344	0.02927	0.06244	3.25E-04	1.14E-02	1.87E-04	1.97E-04	1.21E-02	2.96E-04	0.00E+00	2.49E-06	5.38E-06	3.04E-04
2752	490710.04, 3859310.04	0.08098	0.36051	0.02953	0.06159	3.27E-04	1.08E-02	1.88E-04	1.94E-04	1.15E-02	2.98E-04	0.00E+00	2.51E-06	5.30E-06	3.06E-04
2753	490760.04, 3859310.04	0.08142	0.34607	0.02979	0.06064	3.29E-04	1.03E-02	1.90E-04	1.91E-04	1.10E-02	2.99E-04	0.00E+00	2.53E-06	5.22E-06	3.07E-04
2754	490810.04, 3859310.04	0.08184	0.33646	0.03004	0.05962	3.31E-04	1.00E-02	1.92E-04	1.88E-04	1.07E-02	3.01E-04	0.00E+00	2.55E-06	5.13E-06	3.09E-04
2755	490860.04, 3859310.04	0.08226	0.32378	0.03035	0.05875	3.33E-04	9.66E-03	1.94E-04	1.85E-04	1.04E-02	3.02E-04	0.00E+00	2.58E-06	5.06E-06	3.10E-04
2756	490360.04, 3859360.04	0.07549	0.48144	0.02648	0.07134	3.05E-04	1.44E-02	1.69E-04	2.25E-04	1.51E-02	2.78E-04	0.00E+00	2.25E-06	6.14E-06	2.86E-04
2757	490410.04, 3859360.04	0.07573	0.46635	0.02668	0.06963	3.06E-04	1.39E-02	1.70E-04	2.20E-04	1.46E-02	2.78E-04	0.00E+00	2.27E-06	6.00E-06	2.87E-04
2758	490460.04, 3859360.04	0.07598	0.4525	0.02687	0.06801	3.07E-04	1.35E-02	1.71E-04	2.15E-04	1.42E-02	2.79E-04	0.00E+00	2.29E-06	5.86E-06	2.87E-04
2759	490510.04, 3859360.04	0.07628	0.43873	0.02705	0.06649	3.08E-04	1.31E-02	1.73E-04	2.10E-04	1.38E-02	2.80E-04	0.00E+00	2.30E-06	5.73E-06	2.88E-04
2760	490560.04, 3859360.04	0.07668	0.42209	0.02721	0.0651	3.10E-04	1.26E-02	1.74E-04	2.06E-04	1.33E-02	2.82E-04	0.00E+00	2.31E-06	5.61E-06	2.90E-04
2761	490610.04, 3859360.04	0.07709	0.40643	0.02739	0.06381	3.12E-04	1.21E-02	1.75E-04	2.01E-04	1.28E-02	2.83E-04	0.00E+00	2.33E-06	5.49E-06	2.91E-04
2762	490660.04, 3859360.04	0.07748	0.39307	0.02756	0.06258	3.13E-04	1.17E-02	1.76E-04	1.98E-04	1.24E-02	2.85E-04	0.00E+00	2.34E-06	5.39E-06	2.93E-04
2763	490710.04, 3859360.04	0.07794	0.37607	0.02775	0.06152	3.15E-04	1.12E-02	1.77E-04	1.94E-04	1.19E-02	2.87E-04	0.00E+00	2.36E-06	5.30E-06	2.94E-04
2764	490760.04, 3859360.04	0.0784	0.35863	0.02797	0.06057	3.17E-04	1.07E-02	1.78E-04	1.91E-04	1.14E-02	2.88E-04	0.00E+00	2.38E-06	5.22E-06	2.96E-04
2765	490810.04, 3859360.04	0.07879	0.35145	0.02815	0.05943	3.18E-04	1.05E-02	1.80E-04	1.88E-04	1.12E-02	2.90E-04	0.00E+00	2.39E-06	5.12E-06	2.97E-04
2766	490860.04, 3859360.04	0.07922	0.33968	0.02837	0.05847	3.20E-04	1.01E-02	1.81E-04	1.85E-04	1.08E-02	2.91E-04	0.00E+00	2.41E-06	5.03E-06	2.99E-04
2767	490360.04, 3859410.04	0.07306	0.48991	0.02506	0.07192	2.95E-04	1.46E-02	1.60E-04	2.27E-04	1.53E-02	2.69E-04	0.00E+00	2.13E-06	6.19E-06	2.77E-04
2768	490410.04, 3859410.04	0.07321	0.47591	0.02527	0.07009	2.96E-04	1.42E-02	1.61E-04	2.21E-04	1.49E-02	2.69E-04	0.00E+00	2.15E-06	6.04E-06	2.77E-04
2769	490460.04, 3859410.04	0.07341	0.46218	0.02545	0.06837	2.97E-04	1.38E-02	1.62E-04	2.16E-04	1.45E-02	2.70E-04	0.00E+00	2.16E-06	5.89E-06	2.78E-04
2770	490510.04, 3859410.04	0.07366	0.44839	0.02561	0.06676	2.98E-04	1.34E-02	1.63E-04	2.11E-04	1.40E-02	2.71E-04	0.00E+00	2.18E-06	5.75E-06	2.79E-04
2771	490560.04, 3859410.04	0.07394	0.43497	0.02577	0.06525	2.99E-04	1.30E-02	1.64E-04	2.06E-04	1.36E-02	2.72E-04	0.00E+00	2.19E-06	5.62E-06	2.80E-04
2772	490610.04, 3859410.04	0.07425	0.42162	0.02593	0.06383	3.00E-04	1.26E-02	1.65E-04	2.02E-04	1.32E-02	2.73E-04	0.00E+00	2.21E-06	5.50E-06	2.81E-04
2773	490660.04, 3859410.04	0.07468	0.40414	0.02607	0.06257	3.02E-04	1.21E-02	1.66E-04	1.98E-04	1.27E-02	2.75E-04	0.00E+00	2.22E-06	5.39E-06	2.82E-04
2774	490710.04, 3859410.04	0.07508	0.38918	0.02622	0.06137	3.03E-04	1.16E-02	1.67E-04	1.94E-04	1.23E-02	2.76E-04	0.00E+00	2.23E-06	5.28E-06	2.84E-04
2775	490760.04, 3859410.04	0.07553	0.37109	0.02639	0.06035	3.05E-04	1.11E-02	1.68E-04	1.91E-04	1.17E-02	2.78E-04	0.00E+00	2.24E-06	5.20E-06	2.85E-04
2776	490810.04, 3859410.04	0.07589	0.36254	0.02655	0.0592	3.07E-04	1.08E-02	1.69E-04	1.87E-04	1.15E-02	2.79E-04	0.00E+00	2.26E-06	5.10E-06	2.86E-04
2777	490860.04, 3859410.04	0.07624	0.35652	0.02671	0.05803	3.08E-04	1.06E-02	1.70E-04	1.83E-04	1.13E-02	2.80E-04	0.00E+00	2.27E-06	5.00E-06	2.88E-04
2778	490360.04, 3859460.04	0.07086	0.49541	0.02372	0.07232	2.86E-04	1.48E-02	1.51E-04	2.28E-04	1.54E-02	2.61E-04	0.00E+00	2.02E-06	6.23E-06	2.69E-04
2779	490410.04, 3859460.04	0.07099	0.48102	0.02395	0.07038	2.87E-04	1.44E-02	1.53E-04	2.22E-04	1.50E-02	2.61E-04	0.00E+00	2.04E-06	6.06E-06	2.69E-04
2780	490460.04, 3859460.04	0.07112	0.46806	0.02414	0.06858	2.87E-04	1.40E-02	1.54E-04	2.17E-04	1.46E-02	2.61E-04	0.00E+00	2.05E-06	5.91E-06	2.69E-04
2781	490510.04, 3859460.04	0.07129	0.45499	0.0243	0.06688	2.88E-04	1.36E-02	1.55E-04	2.11E-04	1.42E-02	2.62E-04	0.00E+00	2.07E-06	5.76E-06	2.70E-04
2782	490560.04, 3859460.04	0.07149	0.44256	0.02446	0.06528	2.89E-04	1.32E-02	1.56E-04	2.06E-04	1.39E-02	2.63E-04	0.00E+00	2.08E-06	5.62E-06	2.71E-04
2783	490610.04, 3859460.04	0.07177	0.42881	0.0246	0.06378	2.90E-04	1.28E-02	1.57E-04	2.01E-04	1.34E-02	2.64E-04	0.00E+00	2.09E-06	5.49E-06	2.71E-04
2784	490660.04, 3859460.04	0.0721	0.4145	0.02473	0.0624	2.91E-04	1.24E-02	1.58E-04	1.97E-04	1.30E-02	2.65E-04	0.00E+00	2.10E-06	5.37E-06	2.73E-04
2785	490710.04, 3859460.04	0.07238	0.40265	0.02488	0.06106	2.93E-04	1.20E-02	1.59E-04	1.93E-04	1.27E-02	2.66E-04	0.00E+00	2.12E-06	5.26E-06	2.73E-04
2786	490760.04, 3859460.04	0.07276	0.38893	0.02501	0.05986	2.94E-04	1.16E-02	1.60E-04	1.89E-04	1.22E-02	2.68E-04	0.00E+00	2.13E-06	5.15E-06	2.75E-04
2787	490810.04, 3859460.04	0.07313	0.37604	0.02515	0.05872	2.96E-04	1.12E-02	1.60E-04	1.85E-04	1.19E-02	2.69E-04	0.00E+00	2.14E-06	5.06E-06	2.76E-04
2788	490860.04, 3859460.04	0.07345	0.36823	0.02529	0.05753	2.97E-04	1.10E-02	1.61E-04	1.82E-04	1.16E-02	2.70E-04	0.00E+00	2.15E-06	4.95E-06	2.77E-04
2789	490360.04, 3859510.04	0.06889	0.49871	0.02226	0.07243	2.78E-04	1.49E-02	1.42E-04	2.29E-04	1.55E-02	2.53E-04	0.00E+00	1.89E-06	6.24E-06	2.61E-04
2790	490410.04, 3859510.04	0.0689	0.48621	0.02264	0.07042	2.79E-04	1.45E-02	1.44E-04	2.22E-04	1.52E-02	2.53E-04	0.00E+00	1.93E-06	6.06E-06	2.61E-04
2791	490460.04, 3859510.04	0.06899	0.47314	0.02295	0.06852	2.79E-04	1.41E-02	1.46E-04	2.16E-04	1.48E-02	2.54E-04	0.00E+00	1.95E-06	5.90E-06	2.61E-04
2792	490510.04, 3859510.04	0.0691	0.46073	0.02313	0.06674	2.79E-04	1.37E-02	1.48E-04	2.11E-04	1.44E-02	2.54E-04	0.00E+00	1.97E-06	5.75E-06	2.62E-04
2793	490560.04, 3859510.04	0.06925	0.44842	0.02328	0.06506	2.80E-04	1.34E-02	1.48E-04	2.05E-04	1.40E-02	2.55E-04	0.00E+00	1.98E-06	5.60E-06	2.62E-04
2794	490610.04, 3859510.04	0.06947	0.43551	0.0234	0.06349	2.81E-04	1.30E-02	1.49E-04	2.00E-04	1.36E-02	2.55E-04	0.00E+00	1.99E-06	5.47E-06	2.63E-04
2795	490660.04, 3859510.04	0.06971	0.42276	0.02353	0.06201	2.82E-04	1.26E-02	1.50E-04	1.96E-04	1.32E-02	2.56E-04	0.00E+00	2.00E-06	5.34E-06	2.64E-04
2796	490710.04, 3859510.04	0.06998	0.40986	0.02366	0.06063	2.83E-04	1.22E-02	1.51E-04	1.91E-04	1.29E-02	2.57E-04	0.00E+00	2.01E-06	5.22E-06	2.65E-04
2797	490760.04, 3859510.04	0.07027	0.39768	0.0238	0.05933	2.84E-04	1.19E-02	1.52E-04	1.87E-04	1.25E-02	2.58E-04	0.00E+00	2.02E-06	5.11E-06	2.65E-04
2798	490810.04, 3859510.04	0.07055	0.38742	0.02393	0.05808	2.85E-04	1.16E-02	1.53E-04	1.83E-04	1.22E-02	2.59E-04	0.00E+00	2.04E-06	5.00E-06	2.66E-04
2799	490860.04, 3859510.04	0.07087	0.37631	0.02405	0.05692	2.86E-04	1.12E-02	1.53E-04	1.80E-04	1.18E-02	2.61E-04	0.00E+00	2.05E-06	4.90E-06	2.68E-04
2800	490360.04, 3859560.04	0.06708	0.50103	0.02091	0.07218	2.71E-04	1.49E-02	1.33E-04	2.28E-04	1.56E-02	2.47E-04	0.00E+00	1.78E-06	6.22E-06	2.55E-04
2801	490410.04, 3859560.04	0.06702	0.48914	0.02125	0.07011	2.71E-04	1.46E-02	1.36E-04	2.21E-04	1.52E-02	2.46E-04	0.00E+00	1.81E-06	6.04E-06	2.54E-04
2802	490460.04, 3859560.04	0.06702	0.47718	0.02162	0.06815	2.71E-04	1.42E-02	1.38E-04	2.15E-04	1.49E-02	2.46E-04	0.00E+00	1.84E-06	5.87E-06	2.54E-04
2803	490510.04, 3859560.04	0.06713	0.46436	0.02199	0.06628	2.71E-04	1.39E-02	1.40E-04	2.09E-04	1.45E-02	2.47E-04	0.00E+00	1.87E-06	5.71E-06	2.54E-04
2804	490560.04, 3859560.04	0.06718	0.4533	0.02222	0.06456	2.72E-04	1.35E-02	1.42E-04	2.04E-04	1.41E-02	2.47E-04	0.00E+00	1.89E-06	5.56E-06	2.54E-04
2805	490610.04, 3859560.04	0.06734	0.44109	0.02234	0.06293	2.72E-04	1.32E-02	1.42E-04	1.99E-04	1.38E-02	2.48E-04	0.00E+00	1.90E-06	5.42E-06	2.55E-04
2806	490660.04, 3859560.04	0.06751	0.42919	0.02246	0.06139	2.73E-04	1.28E-02	1.43E-04	1.94E-04	1.34E-02	2.48E-04	0.00E+00	1.91E-06	5.29E-06	2.55E-04
2807	490710.04, 3859560.04	0.06774	0.41689	0.02257	0.05995	2.74E-04	1.24E-02	1.44E-04	1.89E-04	1.30E-02	2.49E-04	0.00E+00	1.92E-06	5.16E-06	2.56E-04
2808	490760.04, 3859560.04	0.06802	0.40339	0.02267	0.05862	2.75E-04	1.20E-02	1.45E-04	1.85E-04	1.26E-02	2.50E-04	0.00E+00	1.93E-06	5.05E-06	2.57E-04
2809	490810.04, 3859560.04	0.06828	0.39191	0.0228	0.05736	2.76E-04	1.17E-02	1.45E-04	1.81E-04	1.23E-02	2.51E-04	0.00E+00	1.94E-06	4.94E-06	2.58E-04
2810	490860.04, 3859560.04	0.06856	0.38033	0.02292	0.05617	2.77E-04	1.13E-02	1.46E-04	1.77E-04	1.19E-02	2.52E-04	0.00E+00	1.95E-06	4.84E-06	2.59E-04
2811	490187.25, 3859422.08	0.07238	0.54241	0.02351	0.07941	2.93E-04	1.62E-02	1.50E-04	2.51E-04	1.69E-02	2.66E-04	0.00E+00	2.00E-06	6.84E-06	2.75E-04
2812	490237.25, 3859422.08	0.07235	0.52721	0.02395	0.07711	2.92E-04	1.57E-02	1.53E-04	2.43E-04	1.64E-02	2.66E-04	0.00E+00	2.04E-06	6.64E-06	2.75E-04

2813	490287.25, 3859422.08	0.07237	0.51257	0.02435	0.07495	2.93E-04	1.53E-02	1.55E-04	2.37E-04	1.60E-02	2.66E-04	0.00E+00	2.07E-06	6.45E-06	2.75E-04
2814	490337.25, 3859422.08	0.07248	0.49738	0.02463	0.07291	2.93E-04	1.48E-02	1.57E-04	2.30E-04	1.55E-02	2.66E-04	0.00E+00	2.09E-06	6.28E-06	2.75E-04
2815	490187.25, 3859472.08	0.07056	0.54369	0.02203	0.08009	2.85E-04	1.62E-02	1.41E-04	2.53E-04	1.69E-02	2.59E-04	0.00E+00	1.87E-06	6.90E-06	2.68E-04
2816	490237.25, 3859472.08	0.07043	0.52969	0.0224	0.07769	2.85E-04	1.58E-02	1.43E-04	2.45E-04	1.65E-02	2.59E-04	0.00E+00	1.91E-06	6.69E-06	2.68E-04
2817	490287.25, 3859472.08	0.07042	0.51497	0.02285	0.0754	2.85E-04	1.54E-02	1.46E-04	2.38E-04	1.60E-02	2.59E-04	0.00E+00	1.94E-06	6.49E-06	2.67E-04
2818	490337.25, 3859472.08	0.07037	0.50213	0.02322	0.0733	2.84E-04	1.50E-02	1.48E-04	2.31E-04	1.56E-02	2.59E-04	0.00E+00	1.97E-06	6.31E-06	2.67E-04
2819	490297.07, 3859500.42	0.06933	0.51398	0.02208	0.0751	2.80E-04	1.53E-02	1.41E-04	2.37E-04	1.60E-02	2.55E-04	0.00E+00	1.88E-06	6.47E-06	2.63E-04
2820	490327.07, 3859500.42	0.06924	0.50711	0.02226	0.07383	2.80E-04	1.51E-02	1.42E-04	2.33E-04	1.58E-02	2.55E-04	0.00E+00	1.89E-06	6.36E-06	2.63E-04
2821	490297.07, 3859530.42	0.0682	0.51605	0.02122	0.07514	2.76E-04	1.54E-02	1.35E-04	2.37E-04	1.60E-02	2.51E-04	0.00E+00	1.80E-06	6.47E-06	2.59E-04
2822	490327.07, 3859530.42	0.06815	0.50831	0.02144	0.0738	2.75E-04	1.52E-02	1.37E-04	2.33E-04	1.58E-02	2.51E-04	0.00E+00	1.82E-06	6.35E-06	2.59E-04
2823	490319.73, 3859055.34	0.09388	0.4582	0.04013	0.06662	3.79E-04	1.37E-02	2.56E-04	2.10E-04	1.45E-02	3.45E-04	0.00E+00	3.41E-06	5.74E-06	3.54E-04
2824	490319.73, 3859105.34	0.09023	0.46299	0.03704	0.06795	3.65E-04	1.38E-02	2.36E-04	2.15E-04	1.46E-02	3.32E-04	0.00E+00	3.15E-06	5.85E-06	3.41E-04
2825	490069.73, 3859155.34	0.08486	0.55082	0.033	0.07744	3.43E-04	1.64E-02	2.10E-04	2.45E-04	1.72E-02	3.12E-04	0.00E+00	2.81E-06	6.67E-06	3.21E-04
2826	490119.73, 3859155.34	0.08506	0.53524	0.03334	0.07562	3.44E-04	1.60E-02	2.13E-04	2.39E-04	1.68E-02	3.13E-04	0.00E+00	2.84E-06	6.51E-06	3.22E-04
2827	490269.73, 3859155.34	0.0861	0.49014	0.03421	0.07064	3.48E-04	1.46E-02	2.18E-04	2.23E-04	1.54E-02	3.17E-04	0.00E+00	2.91E-06	6.08E-06	3.26E-04
2828	490319.73, 3859155.34	0.08676	0.47024	0.03437	0.06912	3.51E-04	1.40E-02	2.19E-04	2.18E-04	1.48E-02	3.19E-04	0.00E+00	2.92E-06	5.95E-06	3.28E-04
2829	490069.73, 3859205.34	0.08202	0.56211	0.03074	0.07911	3.32E-04	1.68E-02	1.96E-04	2.50E-04	1.75E-02	3.02E-04	0.00E+00	2.61E-06	6.81E-06	3.11E-04
2830	490119.73, 3859205.34	0.082	0.54857	0.03114	0.0772	3.31E-04	1.64E-02	1.99E-04	2.44E-04	1.71E-02	3.01E-04	0.00E+00	2.65E-06	6.65E-06	3.11E-04
2831	490169.73, 3859205.34	0.08221	0.53236	0.03145	0.07531	3.32E-04	1.59E-02	2.01E-04	2.38E-04	1.67E-02	3.02E-04	0.00E+00	2.67E-06	6.48E-06	3.11E-04
2832	490219.73, 3859205.34	0.08264	0.51315	0.03164	0.07348	3.34E-04	1.53E-02	2.02E-04	2.32E-04	1.61E-02	3.04E-04	0.00E+00	2.69E-06	6.33E-06	3.13E-04
2833	490269.73, 3859205.34	0.08322	0.49117	0.0318	0.07175	3.36E-04	1.47E-02	2.03E-04	2.27E-04	1.54E-02	3.06E-04	0.00E+00	2.70E-06	6.18E-06	3.15E-04
2834	490319.73, 3859205.34	0.08364	0.47465	0.03201	0.07017	3.38E-04	1.42E-02	2.04E-04	2.22E-04	1.49E-02	3.08E-04	0.00E+00	2.72E-06	6.04E-06	3.16E-04
2835	490069.73, 3859255.34	0.07961	0.56742	0.02859	0.08057	3.22E-04	1.69E-02	1.82E-04	2.54E-04	1.77E-02	2.93E-04	0.00E+00	2.43E-06	6.94E-06	3.02E-04
2836	490119.73, 3859255.34	0.07953	0.55312	0.02899	0.07853	3.21E-04	1.65E-02	1.85E-04	2.48E-04	1.73E-02	2.92E-04	0.00E+00	2.47E-06	6.76E-06	3.02E-04
2837	490169.73, 3859255.34	0.07963	0.53732	0.02935	0.07655	3.22E-04	1.60E-02	1.87E-04	2.42E-04	1.68E-02	2.93E-04	0.00E+00	2.50E-06	6.59E-06	3.02E-04
2838	490219.73, 3859255.34	0.07994	0.51849	0.02956	0.07461	3.23E-04	1.55E-02	1.89E-04	2.36E-04	1.62E-02	2.94E-04	0.00E+00	2.51E-06	6.42E-06	3.03E-04
2839	490269.73, 3859255.34	0.08034	0.49883	0.02976	0.07279	3.25E-04	1.49E-02	1.90E-04	2.30E-04	1.56E-02	2.95E-04	0.00E+00	2.53E-06	6.27E-06	3.04E-04
2840	490319.73, 3859255.34	0.08069	0.48181	0.02996	0.07111	3.26E-04	1.44E-02	1.91E-04	2.25E-04	1.51E-02	2.97E-04	0.00E+00	2.55E-06	6.12E-06	3.05E-04
2841	490069.73, 3859305.34	0.07744	0.5709	0.02663	0.08199	3.13E-04	1.70E-02	1.70E-04	2.59E-04	1.78E-02	2.85E-04	0.00E+00	2.26E-06	7.06E-06	2.94E-04
2842	490119.73, 3859305.34	0.07725	0.55705	0.02701	0.07984	3.12E-04	1.66E-02	1.72E-04	2.52E-04	1.74E-02	2.84E-04	0.00E+00	2.30E-06	6.88E-06	2.93E-04
2843	490169.73, 3859305.34	0.07725	0.54152	0.02742	0.07774	3.12E-04	1.62E-02	1.75E-04	2.45E-04	1.69E-02	2.84E-04	0.00E+00	2.33E-06	6.69E-06	2.93E-04
2844	490219.73, 3859305.34	0.07742	0.52412	0.02772	0.0757	3.13E-04	1.56E-02	1.77E-04	2.39E-04	1.64E-02	2.85E-04	0.00E+00	2.36E-06	6.52E-06	2.94E-04
2845	490269.73, 3859305.34	0.07767	0.50665	0.02794	0.07378	3.14E-04	1.51E-02	1.78E-04	2.33E-04	1.58E-02	2.86E-04	0.00E+00	2.38E-06	6.35E-06	2.94E-04
2846	490319.73, 3859305.34	0.07803	0.48734	0.02812	0.07196	3.15E-04	1.45E-02	1.79E-04	2.27E-04	1.53E-02	2.87E-04	0.00E+00	2.39E-06	6.20E-06	2.95E-04
2847	490069.73, 3859355.34	0.07535	0.57507	0.02477	0.08344	3.05E-04	1.72E-02	1.58E-04	2.63E-04	1.79E-02	2.77E-04	0.00E+00	2.11E-06	7.19E-06	2.86E-04
2848	490119.73, 3859355.34	0.07509	0.56103	0.02512	0.08116	3.04E-04	1.67E-02	1.60E-04	2.56E-04	1.75E-02	2.76E-04	0.00E+00	2.14E-06	6.99E-06	2.85E-04
2849	490169.73, 3859355.34	0.07502	0.54556	0.02556	0.07891	3.03E-04	1.63E-02	1.63E-04	2.49E-04	1.70E-02	2.76E-04	0.00E+00	2.17E-06	6.79E-06	2.85E-04
2850	490219.73, 3859355.34	0.07512	0.52857	0.02602	0.07673	3.04E-04	1.58E-02	1.66E-04	2.42E-04	1.65E-02	2.76E-04	0.00E+00	2.21E-06	6.61E-06	2.85E-04
2851	490269.73, 3859355.34	0.07524	0.51268	0.0263	0.07469	3.04E-04	1.53E-02	1.68E-04	2.36E-04	1.60E-02	2.77E-04	0.00E+00	2.24E-06	6.43E-06	2.85E-04
2852	490319.73, 3859355.34	0.07548	0.49531	0.02649	0.07275	3.05E-04	1.48E-02	1.69E-04	2.30E-04	1.55E-02	2.78E-04	0.00E+00	2.25E-06	6.26E-06	2.86E-04
2853	490069.73, 3859405.34	0.07344	0.57746	0.02312	0.08482	2.97E-04	1.72E-02	1.47E-04	2.68E-04	1.79E-02	2.70E-04	0.00E+00	1.97E-06	7.30E-06	2.79E-04
2854	490119.73, 3859405.34	0.07316	0.56278	0.02346	0.08234	2.96E-04	1.68E-02	1.50E-04	2.60E-04	1.75E-02	2.69E-04	0.00E+00	2.00E-06	7.09E-06	2.78E-04
2855	490169.73, 3859405.34	0.07304	0.5472	0.02389	0.07993	2.95E-04	1.63E-02	1.52E-04	2.52E-04	1.70E-02	2.69E-04	0.00E+00	2.03E-06	6.88E-06	2.77E-04
2856	490219.73, 3859405.34	0.073	0.532	0.02433	0.07765	2.95E-04	1.59E-02	1.55E-04	2.45E-04	1.66E-02	2.68E-04	0.00E+00	2.07E-06	6.69E-06	2.77E-04
2857	490269.73, 3859405.34	0.07307	0.51606	0.02475	0.07546	2.95E-04	1.54E-02	1.58E-04	2.38E-04	1.61E-02	2.69E-04	0.00E+00	2.10E-06	6.50E-06	2.77E-04
2858	490319.73, 3859405.34	0.0732	0.5003	0.025	0.07341	2.96E-04	1.49E-02	1.59E-04	2.32E-04	1.56E-02	2.69E-04	0.00E+00	2.13E-06	6.32E-06	2.78E-04
2859	490161.89, 3859541.83	0.06844	0.55098	0.02016	0.08174	2.77E-04	1.64E-02	1.29E-04	2.58E-04	1.71E-02	2.52E-04	0.00E+00	1.71E-06	7.04E-06	2.60E-04
2860	490171.89, 3859541.83	0.06839	0.54822	0.02022	0.08121	2.76E-04	1.64E-02	1.29E-04	2.56E-04	1.70E-02	2.51E-04	0.00E+00	1.72E-06	6.99E-06	2.60E-04
2861	490161.89, 3859551.83	0.06816	0.55075	0.01995	0.08171	2.76E-04	1.64E-02	1.27E-04	2.58E-04	1.71E-02	2.51E-04	0.00E+00	1.70E-06	7.04E-06	2.59E-04
2862	490171.89, 3859551.83	0.0681	0.5481	0.02	0.08118	2.75E-04	1.64E-02	1.28E-04	2.56E-04	1.70E-02	2.50E-04	0.00E+00	1.70E-06	6.99E-06	2.59E-04
2863	489799.72, 3859348.21	0.07778	0.6714	0.02298	0.09811	3.14E-04	2.00E-02	1.47E-04	3.10E-04	2.08E-02	2.86E-04	0.00E+00	1.95E-06	8.45E-06	2.96E-04
2864	489819.72, 3859348.21	0.07755	0.66338	0.02312	0.09684	3.13E-04	1.98E-02	1.47E-04	3.06E-04	2.06E-02	2.85E-04	0.00E+00	1.97E-06	8.34E-06	2.95E-04
2865	489799.72, 3859368.21	0.07715	0.67149	0.02241	0.09903	3.12E-04	2.00E-02	1.43E-04	3.13E-04	2.08E-02	2.84E-04	0.00E+00	1.91E-06	8.53E-06	2.94E-04
2866	489819.72, 3859368.21	0.07695	0.6628	0.02257	0.09771	3.11E-04	1.98E-02	1.44E-04	3.09E-04	2.05E-02	2.83E-04	0.00E+00	1.92E-06	8.41E-06	2.93E-04
2867	489775.41, 3859329.72	0.07859	0.68274	0.02331	0.09889	3.18E-04	2.04E-02	1.49E-04	3.12E-04	2.11E-02	2.89E-04	0.00E+00	1.98E-06	8.52E-06	2.99E-04
2868	489795.41, 3859329.72	0.07837	0.67415	0.02346	0.0976	3.17E-04	2.01E-02	1.50E-04	3.08E-04	2.09E-02	2.88E-04	0.00E+00	2.00E-06	8.40E-06	2.99E-04
2869	489775.41, 3859349.72	0.07799	0.6822	0.02275	0.0998	3.15E-04	2.04E-02	1.45E-04	3.15E-04	2.11E-02	2.87E-04	0.00E+00	1.93E-06	8.59E-06	2.97E-04
2870	489795.41, 3859349.72	0.07779	0.67317	0.02291	0.09846	3.14E-04	2.01E-02	1.46E-04	3.11E-04	2.09E-02	2.86E-04	0.00E+00	1.95E-06	8.48E-06	2.96E-04
2871	489595.05, 3859219.43	0.08434	0.76663	0.02527	0.10444	3.41E-04	2.29E-02	1.61E-04	3.30E-04	2.37E-02	3.10E-04	0.00E+00	2.15E-06	8.99E-06	3.21E-04
2872	489615.05, 3859219.43	0.08413	0.75417	0.02552	0.10314	3.40E-04	2.25E-02	1.63E-04	3.26E-04	2.33E-02	3.09E-04	0.00E+00	2.17E-06	8.88E-06	3.20E-04
2873	489595.05, 3859239.43	0.08363	0.77002	0.02454	0.10598	3.38E-04	2.30E-02	1.57E-04	3.35E-04	2.38E-02	3.07E-04	0.00E+00	2.09E-06	9.13E-06	3.19E-04
2874	489615.05, 3859239.43	0.08343	0.75725	0.02479	0.10461	3.37E-04	2.26E-02	1.58E-04	3.30E-04	2.34E-02	3.07E-04	0.00E+00	2.11E-06	9.01E-06	3.18E-04
2875	489372.4, 3859092.58	0.0919	0.87578	0.0276	0.10282	3.71E-04	2.61E-02	1.76E-04	3.25E-04	2.70E-02	3.38E-04	0.00E+00	2.35E-06	8.85E-06	3.49E-04
2876	489422.4, 3859092.58	0.09123	0.83836	0.02843	0.10056	3.69E-04	2.50E-02	1.81E-04	3.18E-04	2.59E-02	3.35E-04	0.00E+00	2.42E-06	8.66E-06	3.46E-04

2877	489372.4, 3859142.58	0.08995	0.90003	0.02533	0.10955	3.64E-04	2.69E-02	1.62E-04	3.46E-04	2.77E-02	3.31E-04	0.00E+00	2.15E-06	9.43E-06	3.42E-04
2878	489422.4, 3859142.58	0.08929	0.86139	0.02609	0.10685	3.61E-04	2.57E-02	1.66E-04	3.37E-04	2.66E-02	3.28E-04	0.00E+00	2.22E-06	9.20E-06	3.40E-04
2879	488870.84, 3858666.64	0.12172	0.64582	0.05328	0.07495	4.92E-04	1.93E-02	3.40E-04	2.37E-04	2.03E-02	4.48E-04	0.00E+00	4.53E-06	6.45E-06	4.58E-04
2880	488900.84, 3858666.64	0.12122	0.63852	0.05527	0.07415	4.90E-04	1.90E-02	3.53E-04	2.34E-04	2.01E-02	4.46E-04	0.00E+00	4.70E-06	6.39E-06	4.57E-04
2881	488870.84, 3858696.64	0.11965	0.68492	0.04781	0.0767	4.84E-04	2.04E-02	3.05E-04	2.42E-04	2.15E-02	4.40E-04	0.00E+00	4.07E-06	6.60E-06	4.51E-04
2882	488900.84, 3858696.64	0.11917	0.67603	0.04959	0.07592	4.82E-04	2.02E-02	3.16E-04	2.40E-04	2.12E-02	4.38E-04	0.00E+00	4.22E-06	6.54E-06	4.49E-04
2883	488889.67, 3858683.97	0.12023	0.6622	0.05119	0.07543	4.86E-04	1.98E-02	3.27E-04	2.38E-04	2.08E-02	4.42E-04	0.00E+00	4.35E-06	6.50E-06	4.53E-04
2884	488919.67, 3858683.97	0.1197	0.6548	0.05302	0.07469	4.84E-04	1.95E-02	3.38E-04	2.36E-04	2.06E-02	4.40E-04	0.00E+00	4.51E-06	6.43E-06	4.51E-04
2885	488889.67, 3858713.97	0.11822	0.70362	0.0461	0.07732	4.78E-04	2.10E-02	2.94E-04	2.44E-04	2.20E-02	4.35E-04	0.00E+00	3.92E-06	6.66E-06	4.45E-04
2886	488919.67, 3858713.97	0.11773	0.69394	0.04776	0.07657	4.76E-04	2.07E-02	3.05E-04	2.42E-04	2.17E-02	4.33E-04	0.00E+00	4.06E-06	6.59E-06	4.43E-04
2887	488906.61, 3858703.33	0.11863	0.68351	0.04878	0.0762	4.80E-04	2.04E-02	3.11E-04	2.41E-04	2.14E-02	4.36E-04	0.00E+00	4.15E-06	6.56E-06	4.47E-04
2888	488936.61, 3858703.33	0.11818	0.67402	0.05052	0.07546	4.78E-04	2.01E-02	3.22E-04	2.38E-04	2.11E-02	4.34E-04	0.00E+00	4.30E-06	6.50E-06	4.45E-04
2889	488906.61, 3858733.33	0.1168	0.72509	0.04417	0.07818	4.72E-04	2.16E-02	2.82E-04	2.47E-04	2.26E-02	4.29E-04	0.00E+00	3.76E-06	6.73E-06	4.40E-04
2890	488936.61, 3858733.33	0.11628	0.715	0.0457	0.07745	4.70E-04	2.13E-02	2.91E-04	2.45E-04	2.23E-02	4.28E-04	0.00E+00	3.89E-06	6.67E-06	4.38E-04
2891	488637.63, 3858467.85	0.14181	0.53731	0.09332	0.07591	5.73E-04	1.60E-02	5.95E-04	2.40E-04	1.74E-02	5.21E-04	0.00E+00	7.94E-06	6.54E-06	5.36E-04
2892	488662.63, 3858467.85	0.14122	0.53236	0.09763	0.07477	5.71E-04	1.59E-02	6.23E-04	2.36E-04	1.73E-02	5.19E-04	0.00E+00	8.30E-06	6.44E-06	5.34E-04
2893	488637.63, 3858492.85	0.13949	0.55074	0.0812	0.07712	5.64E-04	1.64E-02	5.18E-04	2.43E-04	1.78E-02	5.13E-04	0.00E+00	6.91E-06	6.64E-06	5.26E-04
2894	488662.63, 3858492.85	0.13895	0.54549	0.08493	0.07594	5.62E-04	1.63E-02	5.42E-04	2.40E-04	1.76E-02	5.11E-04	0.00E+00	7.22E-06	6.54E-06	5.25E-04
2895	488687.63, 3858492.85	0.1385	0.53992	0.08877	0.07481	5.60E-04	1.61E-02	5.66E-04	2.36E-04	1.75E-02	5.09E-04	0.00E+00	7.55E-06	6.44E-06	5.23E-04
2896	488637.63, 3858517.85	0.13715	0.56593	0.07128	0.0782	5.54E-04	1.69E-02	4.55E-04	2.47E-04	1.81E-02	5.04E-04	0.00E+00	6.06E-06	6.73E-06	5.17E-04
2897	488662.63, 3858517.85	0.13669	0.56033	0.0745	0.077	5.53E-04	1.67E-02	4.75E-04	2.43E-04	1.80E-02	5.03E-04	0.00E+00	6.34E-06	6.63E-06	5.16E-04
2898	488687.63, 3858517.85	0.1362	0.55512	0.07776	0.07586	5.51E-04	1.66E-02	4.96E-04	2.40E-04	1.78E-02	5.01E-04	0.00E+00	6.61E-06	6.53E-06	5.14E-04
2899	488194.42, 3857168.98	0.87625	0.24424	0.03657	0.02728	3.54E-03	7.29E-03	2.33E-04	8.61E-05	1.11E-02	3.22E-03	0.00E+00	3.11E-06	2.35E-06	3.23E-03
2900	488244.42, 3857168.98	0.84476	0.24415	0.03716	0.02721	3.41E-03	7.28E-03	2.37E-04	8.59E-05	1.10E-02	3.11E-03	0.00E+00	3.16E-06	2.34E-06	3.11E-03
2901	488294.42, 3857168.98	0.81655	0.24295	0.03777	0.02719	3.30E-03	7.25E-03	2.41E-04	8.58E-05	1.09E-02	3.00E-03	0.00E+00	3.21E-06	2.34E-06	3.01E-03
2902	488244.42, 3857218.98	0.7929	0.24746	0.04047	0.02737	3.21E-03	7.38E-03	2.58E-04	8.64E-05	1.09E-02	2.92E-03	0.00E+00	3.44E-06	2.36E-06	2.92E-03
2903	488294.42, 3857218.98	0.76773	0.24674	0.04113	0.02739	3.10E-03	7.36E-03	2.62E-04	8.65E-05	1.08E-02	2.82E-03	0.00E+00	3.50E-06	2.36E-06	2.83E-03
2904	488294.42, 3857268.98	0.71764	0.25122	0.04511	0.02773	2.90E-03	7.49E-03	2.88E-04	8.76E-05	1.08E-02	2.64E-03	0.00E+00	3.84E-06	2.39E-06	2.64E-03
2905	488139.13, 3857111.68	0.97947	0.24159	0.03302	0.0275	3.96E-03	7.21E-03	2.11E-04	8.68E-05	1.15E-02	3.60E-03	0.00E+00	2.81E-06	2.37E-06	3.61E-03
2906	488189.13, 3857111.68	0.94016	0.24188	0.03333	0.02734	3.80E-03	7.22E-03	2.13E-04	8.63E-05	1.13E-02	3.46E-03	0.00E+00	2.83E-06	2.35E-06	3.46E-03
2907	488189.13, 3857161.68	0.88756	0.24396	0.03608	0.02729	3.59E-03	7.28E-03	2.30E-04	8.62E-05	1.12E-02	3.26E-03	0.00E+00	3.07E-06	2.35E-06	3.27E-03
2908	487951.04, 3856961.26	1.33288	0.23776	0.02996	0.02902	5.39E-03	7.09E-03	1.91E-04	9.16E-05	1.28E-02	4.90E-03	0.00E+00	2.55E-06	2.50E-06	4.91E-03
2909	488001.04, 3856961.26	1.27135	0.23608	0.02871	0.02882	5.14E-03	7.04E-03	1.83E-04	9.10E-05	1.25E-02	4.67E-03	0.00E+00	2.44E-06	2.48E-06	4.68E-03
2910	488051.04, 3856961.26	1.21693	0.23299	0.02751	0.02864	4.92E-03	6.95E-03	1.75E-04	9.04E-05	1.21E-02	4.47E-03	0.00E+00	2.34E-06	2.47E-06	4.48E-03
2911	488101.04, 3856961.26	1.16129	0.23356	0.02681	0.02844	4.69E-03	6.97E-03	1.71E-04	8.98E-05	1.19E-02	4.27E-03	0.00E+00	2.28E-06	2.45E-06	4.27E-03
2912	487951.04, 3857011.26	1.27951	0.24279	0.03195	0.0286	5.17E-03	7.24E-03	2.04E-04	9.03E-05	1.27E-02	4.70E-03	0.00E+00	2.72E-06	2.46E-06	4.71E-03
2913	488001.04, 3857011.26	1.22354	0.23929	0.0307	0.02845	4.95E-03	7.14E-03	1.96E-04	8.98E-05	1.24E-02	4.50E-03	0.00E+00	2.61E-06	2.45E-06	4.50E-03
2914	488051.04, 3857011.26	1.17141	0.23632	0.02942	0.02829	4.74E-03	7.05E-03	1.88E-04	8.93E-05	1.21E-02	4.31E-03	0.00E+00	2.50E-06	2.44E-06	4.31E-03
2915	488101.04, 3857011.26	1.11835	0.23683	0.02867	0.0281	4.52E-03	7.07E-03	1.83E-04	8.87E-05	1.19E-02	4.11E-03	0.00E+00	2.44E-06	2.42E-06	4.12E-03
2916	488001.04, 3857061.26	1.16328	0.24323	0.03294	0.02815	4.70E-03	7.26E-03	2.10E-04	8.89E-05	1.23E-02	4.28E-03	0.00E+00	2.80E-06	2.42E-06	4.28E-03
2917	488051.04, 3857061.26	1.11343	0.24145	0.03163	0.02799	4.50E-03	7.20E-03	2.02E-04	8.84E-05	1.20E-02	4.09E-03	0.00E+00	2.69E-06	2.41E-06	4.10E-03
2918	488101.04, 3857061.26	1.06632	0.24043	0.0308	0.02782	4.31E-03	7.17E-03	1.96E-04	8.78E-05	1.18E-02	3.92E-03	0.00E+00	2.62E-06	2.40E-06	3.93E-03
2919	487638.98, 3856673.79	1.75795	0.21944	0.02273	0.03545	7.11E-03	6.55E-03	1.45E-04	1.12E-04	1.39E-02	6.46E-03	0.00E+00	1.93E-06	3.05E-06	6.47E-03
2920	487688.98, 3856673.79	1.68744	0.21795	0.02366	0.03491	6.82E-03	6.50E-03	1.51E-04	1.10E-04	1.36E-02	6.20E-03	0.00E+00	2.01E-06	3.01E-06	6.21E-03
2921	487638.98, 3856723.79	1.8126	0.22567	0.02319	0.03443	7.33E-03	6.73E-03	1.48E-04	1.09E-04	1.43E-02	6.66E-03	0.00E+00	1.97E-06	2.96E-06	6.67E-03
2922	487688.98, 3856723.79	1.73402	0.22381	0.02426	0.03395	7.01E-03	6.68E-03	1.55E-04	1.07E-04	1.39E-02	6.38E-03	0.00E+00	2.06E-06	2.92E-06	6.38E-03
2923	486324.61, 3855740.57	1.74589	0.13108	0.00877	0.06682	7.06E-03	3.91E-03	5.59E-05	2.11E-04	1.12E-02	6.42E-03	0.00E+00	7.46E-07	5.75E-06	6.43E-03
2924	486374.61, 3855740.57	1.61415	0.12655	0.00889	0.06592	6.52E-03	3.78E-03	5.67E-05	2.08E-04	1.06E-02	5.93E-03	0.00E+00	7.56E-07	5.68E-06	5.94E-03
2925	486424.61, 3855740.57	1.53718	0.12458	0.00894	0.06489	6.21E-03	3.72E-03	5.70E-05	2.05E-04	1.02E-02	5.65E-03	0.00E+00	7.60E-07	5.59E-06	5.66E-03
2926	486324.61, 3855790.57	1.86592	0.13723	0.00893	0.06978	7.54E-03	4.09E-03	5.70E-05	2.20E-04	1.19E-02	6.86E-03	0.00E+00	7.59E-07	6.01E-06	6.87E-03
2927	486374.61, 3855790.57	1.73052	0.13295	0.00905	0.06868	7.00E-03	3.97E-03	5.77E-05	2.17E-04	1.12E-02	6.36E-03	0.00E+00	7.70E-07	5.91E-06	6.37E-03
2928	486424.61, 3855790.57	1.66356	0.13185	0.00904	0.06742	6.72E-03	3.93E-03	5.77E-05	2.13E-04	1.09E-02	6.12E-03	0.00E+00	7.69E-07	5.81E-06	6.12E-03
2929	486324.61, 3855840.57	1.99142	0.14341	0.00909	0.07256	8.05E-03	4.28E-03	5.80E-05	2.29E-04	1.26E-02	7.32E-03	0.00E+00	7.73E-07	6.25E-06	7.33E-03
2930	486374.61, 3855840.57	1.8984	0.14182	0.00912	0.07111	7.67E-03	4.23E-03	5.82E-05	2.25E-04	1.22E-02	6.98E-03	0.00E+00	7.76E-07	6.12E-06	6.99E-03
2931	486424.61, 3855840.57	1.79936	0.13944	0.00916	0.06972	7.27E-03	4.16E-03	5.84E-05	2.20E-04	1.17E-02	6.62E-03	0.00E+00	7.79E-07	6.00E-06	6.62E-03
2932	486324.61, 3855890.57	2.18798	0.15275	0.00907	0.07485	8.84E-03	4.56E-03	5.79E-05	2.36E-04	1.37E-02	8.04E-03	0.00E+00	7.71E-07	6.45E-06	8.05E-03
2933	486374.61, 3855890.57	2.07022	0.15052	0.00919	0.07321	8.37E-03	4.49E-03	5.86E-05	2.31E-04	1.31E-02	7.61E-03	0.00E+00	7.82E-07	6.30E-06	7.62E-03
2934	486424.61, 3855890.57	1.95067	0.14757	0.00928	0.07165	7.89E-03	4.40E-03	5.92E-05	2.26E-04	1.26E-02	7.17E-03	0.00E+00	7.89E-07	6.17E-06	7.18E-03
2935	488735.69, 3858285.64	0.16272	0.44238	0.31585	0.06204	6.58E-04	1.32E-02	2.01E-03	1.96E-04	1.61E-02	5.98E-04	0.00E+00	2.69E-05	5.34E-06	6.30E-04
2936	488765.69, 3858285.64	0.16285	0.43778	0.31331	0.06121	6.58E-04	1.31E-02	2.00E-03	1.93E-04	1.59E-02	5.99E-04	0.00E+00	2.66E-05	5.27E-06	6.31E-04
2937	488735.69, 3858315.64	0.1581	0.45292	0.26779	0.06365	6.39E-04	1.35E-02	1.71E-03	2.01E-04	1.61E-02	5.81E-04	0.00E+00	2.28E-05	5.48E-06	6.10E-04
2938	488765.69, 3858315.64	0.15814	0.44792	0.26812	0.06277	6.39E-04	1.34E-02	1.71E-03	1.98E-04	1.59E-02	5.81E-04	0.00E+00	2.28E-05	5.41E-06	6.10E-04
2939	478676.63, 3849871.93	0.01042	0.00843	0.00206	0.00287	4.21E-05	2.51E-04	1.31E-05	9.06E-06	3.16E-04	3.83E-05	0.00E+00	1.75E-07	2.47E-07	3.87E-05
2940	479326.63, 3849871.93	0.0151	0.0068	0.00203	0.00301	6.10E-05	2.03E-04	1.29E-05	9.50E-06	2.86E-04	5.55E-05	0.00E+00	1.73E-07	2.59E-07	5.59E-05

2941	479376.63, 3849871.93	0.01548	0.00667	0.00203	0.00302	6.26E-05	1.99E-04	1.29E-05	9.54E-06	2.84E-04	5.69E-05	0.00E+00	1.73E-07	2.60E-07	5.73E-05
2942	479426.63, 3849871.93	0.01586	0.00659	0.00203	0.00303	6.41E-05	1.97E-04	1.29E-05	9.57E-06	2.83E-04	5.83E-05	0.00E+00	1.73E-07	2.61E-07	5.87E-05
2943	478726.63, 3849921.93	0.01056	0.00858	0.00207	0.00289	4.27E-05	2.56E-04	1.32E-05	9.12E-06	3.21E-04	3.88E-05	0.00E+00	1.76E-07	2.49E-07	3.92E-05
2944	478776.63, 3849921.93	0.01079	0.00852	0.00207	0.0029	4.36E-05	2.54E-04	1.32E-05	9.16E-06	3.20E-04	3.97E-05	0.00E+00	1.76E-07	2.50E-07	4.01E-05
2945	478826.63, 3849921.93	0.01105	0.00843	0.00207	0.00291	4.47E-05	2.51E-04	1.32E-05	9.19E-06	3.19E-04	4.06E-05	0.00E+00	1.76E-07	2.51E-07	4.11E-05
2946	478976.63, 3849921.93	0.01201	0.00814	0.00206	0.00295	4.85E-05	2.43E-04	1.31E-05	9.31E-06	3.14E-04	4.42E-05	0.00E+00	1.75E-07	2.54E-07	4.46E-05
2947	479026.63, 3849921.93	0.01244	0.00813	0.00206	0.00295	5.03E-05	2.43E-04	1.31E-05	9.31E-06	3.15E-04	4.57E-05	0.00E+00	1.75E-07	2.54E-07	4.62E-05
2948	479076.63, 3849921.93	0.01285	0.00804	0.00205	0.00296	5.19E-05	2.40E-04	1.31E-05	9.35E-06	3.14E-04	4.72E-05	0.00E+00	1.74E-07	2.55E-07	4.77E-05
2949	479126.63, 3849921.93	0.01328	0.00791	0.00205	0.00297	5.37E-05	2.36E-04	1.31E-05	9.38E-06	3.12E-04	4.88E-05	0.00E+00	1.74E-07	2.56E-07	4.93E-05
2950	479176.63, 3849921.93	0.01374	0.00783	0.00205	0.00297	5.55E-05	2.34E-04	1.31E-05	9.38E-06	3.12E-04	5.05E-05	0.00E+00	1.74E-07	2.56E-07	5.09E-05
2951	479226.63, 3849921.93	0.01414	0.00753	0.00204	0.00299	5.72E-05	2.25E-04	1.30E-05	9.44E-06	3.04E-04	5.20E-05	0.00E+00	1.73E-07	2.57E-07	5.24E-05
2952	479276.63, 3849921.93	0.01443	0.00713	0.00204	0.00301	5.83E-05	2.13E-04	1.30E-05	9.50E-06	2.94E-04	5.31E-05	0.00E+00	1.73E-07	2.59E-07	5.35E-05
2953	479326.63, 3849921.93	0.01505	0.00733	0.00204	0.003	6.08E-05	2.19E-04	1.30E-05	9.47E-06	3.02E-04	5.53E-05	0.00E+00	1.73E-07	2.58E-07	5.58E-05
2954	479376.63, 3849921.93	0.01533	0.00692	0.00204	0.00303	6.20E-05	2.06E-04	1.30E-05	9.57E-06	2.91E-04	5.64E-05	0.00E+00	1.73E-07	2.61E-07	5.68E-05
2955	479426.63, 3849921.93	0.01583	0.007	0.00204	0.00303	6.40E-05	2.09E-04	1.30E-05	9.57E-06	2.95E-04	5.82E-05	0.00E+00	1.73E-07	2.61E-07	5.86E-05
2956	478726.63, 3849971.93	0.01049	0.00878	0.00209	0.00289	4.24E-05	2.62E-04	1.33E-05	9.12E-06	3.27E-04	3.86E-05	0.00E+00	1.78E-07	2.49E-07	3.90E-05
2957	478776.63, 3849971.93	0.01069	0.00871	0.00209	0.0029	4.32E-05	2.60E-04	1.33E-05	9.16E-06	3.26E-04	3.93E-05	0.00E+00	1.78E-07	2.50E-07	3.97E-05
2958	478826.63, 3849971.93	0.01093	0.00863	0.00208	0.00291	4.42E-05	2.57E-04	1.33E-05	9.19E-06	3.24E-04	4.02E-05	0.00E+00	1.77E-07	2.51E-07	4.06E-05
2959	478976.63, 3849971.93	0.01187	0.00849	0.00207	0.00294	4.80E-05	2.53E-04	1.32E-05	9.28E-06	3.24E-04	4.36E-05	0.00E+00	1.76E-07	2.53E-07	4.41E-05
2960	479026.63, 3849971.93	0.01222	0.00838	0.00207	0.00295	4.94E-05	2.50E-04	1.32E-05	9.31E-06	3.22E-04	4.49E-05	0.00E+00	1.76E-07	2.54E-07	4.54E-05
2961	479076.63, 3849971.93	0.0126	0.00826	0.00207	0.00297	5.09E-05	2.46E-04	1.32E-05	9.38E-06	3.20E-04	4.63E-05	0.00E+00	1.76E-07	2.56E-07	4.68E-05
2962	479126.63, 3849971.93	0.01302	0.00816	0.00206	0.00297	5.26E-05	2.43E-04	1.31E-05	9.38E-06	3.19E-04	4.79E-05	0.00E+00	1.75E-07	2.56E-07	4.83E-05
2963	479176.63, 3849971.93	0.01347	0.00805	0.00206	0.00298	5.44E-05	2.40E-04	1.31E-05	9.41E-06	3.17E-04	4.95E-05	0.00E+00	1.75E-07	2.57E-07	5.00E-05
2964	479226.63, 3849971.93	0.01372	0.00751	0.00206	0.00301	5.55E-05	2.24E-04	1.31E-05	9.50E-06	3.02E-04	5.04E-05	0.00E+00	1.75E-07	2.59E-07	5.09E-05
2965	479276.63, 3849971.93	0.01432	0.00767	0.00205	0.00301	5.79E-05	2.29E-04	1.31E-05	9.50E-06	3.09E-04	5.26E-05	0.00E+00	1.74E-07	2.59E-07	5.31E-05
2966	479326.63, 3849971.93	0.01487	0.00774	0.00205	0.003	6.01E-05	2.31E-04	1.31E-05	9.47E-06	3.14E-04	5.47E-05	0.00E+00	1.74E-07	2.58E-07	5.51E-05
2967	479376.63, 3849971.93	0.0152	0.00732	0.00205	0.00303	6.14E-05	2.18E-04	1.31E-05	9.57E-06	3.02E-04	5.59E-05	0.00E+00	1.74E-07	2.61E-07	5.63E-05
2968	479426.63, 3849971.93	0.01568	0.00728	0.00205	0.00303	6.34E-05	2.17E-04	1.31E-05	9.57E-06	3.03E-04	5.76E-05	0.00E+00	1.74E-07	2.61E-07	5.81E-05
2969	478726.63, 3850021.93	0.01046	0.00898	0.0021	0.0029	4.23E-05	2.68E-04	1.34E-05	9.16E-06	3.33E-04	3.85E-05	0.00E+00	1.79E-07	2.50E-07	3.89E-05
2970	478776.63, 3850021.93	0.01063	0.00891	0.0021	0.00291	4.30E-05	2.66E-04	1.34E-05	9.19E-06	3.31E-04	3.91E-05	0.00E+00	1.79E-07	2.51E-07	3.95E-05
2971	478826.63, 3850021.93	0.01084	0.00884	0.0021	0.00292	4.38E-05	2.64E-04	1.34E-05	9.22E-06	3.30E-04	3.99E-05	0.00E+00	1.79E-07	2.51E-07	4.03E-05
2972	478976.63, 3850021.93	0.01168	0.00871	0.00209	0.00295	4.72E-05	2.60E-04	1.33E-05	9.31E-06	3.30E-04	4.29E-05	0.00E+00	1.78E-07	2.54E-07	4.34E-05
2973	478726.63, 3850071.93	0.01047	0.00919	0.00212	0.0029	4.23E-05	2.74E-04	1.35E-05	9.16E-06	3.39E-04	3.85E-05	0.00E+00	1.80E-07	2.50E-07	3.89E-05
2974	478776.63, 3850071.93	0.01061	0.00913	0.00211	0.00291	4.29E-05	2.72E-04	1.35E-05	9.19E-06	3.38E-04	3.90E-05	0.00E+00	1.79E-07	2.51E-07	3.94E-05
2975	478826.63, 3850071.93	0.01078	0.00906	0.00211	0.00292	4.36E-05	2.70E-04	1.35E-05	9.22E-06	3.37E-04	3.96E-05	0.00E+00	1.79E-07	2.51E-07	4.01E-05
2976	478876.63, 3850071.93	0.01099	0.00901	0.00211	0.00293	4.44E-05	2.69E-04	1.35E-05	9.25E-06	3.36E-04	4.04E-05	0.00E+00	1.79E-07	2.52E-07	4.08E-05
2977	478976.63, 3850071.93	0.01153	0.00893	0.0021	0.00295	4.66E-05	2.66E-04	1.34E-05	9.31E-06	3.36E-04	4.24E-05	0.00E+00	1.79E-07	2.54E-07	4.28E-05
2978	478726.63, 3850121.93	0.01051	0.00939	0.00213	0.00291	4.25E-05	2.80E-04	1.36E-05	9.19E-06	3.45E-04	3.86E-05	0.00E+00	1.81E-07	2.51E-07	3.91E-05
2979	478776.63, 3850121.93	0.01063	0.00934	0.00213	0.00292	4.30E-05	2.79E-04	1.36E-05	9.22E-06	3.44E-04	3.91E-05	0.00E+00	1.81E-07	2.51E-07	3.95E-05
2980	478826.63, 3850121.93	0.01077	0.00928	0.00213	0.00293	4.35E-05	2.77E-04	1.36E-05	9.25E-06	3.43E-04	3.96E-05	0.00E+00	1.81E-07	2.52E-07	4.00E-05
2981	478876.63, 3850121.93	0.01094	0.00921	0.00212	0.00294	4.42E-05	2.75E-04	1.35E-05	9.28E-06	3.42E-04	4.02E-05	0.00E+00	1.80E-07	2.53E-07	4.07E-05
2982	478976.63, 3850121.93	0.01141	0.00915	0.00212	0.00296	4.61E-05	2.73E-04	1.35E-05	9.35E-06	3.42E-04	4.19E-05	0.00E+00	1.80E-07	2.55E-07	4.24E-05
2983	479026.63, 3850121.93	0.0117	0.0091	0.00212	0.00297	4.73E-05	2.71E-04	1.35E-05	9.38E-06	3.42E-04	4.30E-05	0.00E+00	1.80E-07	2.56E-07	4.35E-05
2984	479076.63, 3850121.93	0.01201	0.00902	0.00211	0.00298	4.85E-05	2.69E-04	1.35E-05	9.41E-06	3.41E-04	4.42E-05	0.00E+00	1.79E-07	2.57E-07	4.46E-05
2985	479126.63, 3850121.93	0.01235	0.00894	0.00211	0.00299	4.99E-05	2.67E-04	1.35E-05	9.44E-06	3.40E-04	4.54E-05	0.00E+00	1.79E-07	2.57E-07	4.58E-05
2986	478776.63, 3850171.93	0.01068	0.00954	0.00214	0.00292	4.32E-05	2.85E-04	1.37E-05	9.22E-06	3.51E-04	3.93E-05	0.00E+00	1.82E-07	2.51E-07	3.97E-05
2987	478826.63, 3850171.93	0.01078	0.00948	0.00214	0.00294	4.36E-05	2.83E-04	1.37E-05	9.28E-06	3.49E-04	3.96E-05	0.00E+00	1.82E-07	2.53E-07	4.01E-05
2988	478876.63, 3850171.93	0.01092	0.00942	0.00214	0.00295	4.41E-05	2.81E-04	1.37E-05	9.31E-06	3.48E-04	4.01E-05	0.00E+00	1.82E-07	2.54E-07	4.06E-05
2989	478976.63, 3850171.93	0.01134	0.00937	0.00213	0.00296	4.58E-05	2.80E-04	1.36E-05	9.35E-06	3.48E-04	4.17E-05	0.00E+00	1.81E-07	2.55E-07	4.21E-05
2990	479026.63, 3850171.93	0.0116	0.00935	0.00213	0.00297	4.69E-05	2.79E-04	1.36E-05	9.38E-06	3.49E-04	4.26E-05	0.00E+00	1.81E-07	2.56E-07	4.31E-05
2991	479076.63, 3850171.93	0.01187	0.00927	0.00213	0.00298	4.80E-05	2.77E-04	1.36E-05	9.41E-06	3.48E-04	4.36E-05	0.00E+00	1.81E-07	2.57E-07	4.41E-05
2992	479126.63, 3850171.93	0.01218	0.0092	0.00212	0.00299	4.92E-05	2.74E-04	1.35E-05	9.44E-06	3.47E-04	4.48E-05	0.00E+00	1.80E-07	2.57E-07	4.52E-05
2993	479176.63, 3850171.93	0.01255	0.00916	0.00212	0.003	5.07E-05	2.73E-04	1.35E-05	9.47E-06	3.47E-04	4.61E-05	0.00E+00	1.80E-07	2.58E-07	4.66E-05
2994	479226.63, 3850171.93	0.01297	0.00919	0.00212	0.003	5.24E-05	2.74E-04	1.35E-05	9.47E-06	3.50E-04	4.77E-05	0.00E+00	1.80E-07	2.58E-07	4.81E-05
2995	479276.63, 3850171.93	0.01343	0.00922	0.00211	0.003	5.43E-05	2.75E-04	1.35E-05	9.47E-06	3.52E-04	4.94E-05	0.00E+00	1.79E-07	2.58E-07	4.98E-05
2996	479326.63, 3850171.93	0.01384	0.00907	0.00211	0.00301	5.59E-05	2.71E-04	1.35E-05	9.50E-06	3.49E-04	5.09E-05	0.00E+00	1.79E-07	2.59E-07	5.13E-05
2997	479376.63, 3850171.93	0.01428	0.00891	0.00211	0.00303	5.77E-05	2.66E-04	1.35E-05	9.57E-06	3.47E-04	5.25E-05	0.00E+00	1.79E-07	2.61E-07	5.29E-05
2998	478676.63, 3850221.93	0.01065	0.00975	0.00215	0.00292	4.30E-05	2.91E-04	1.37E-05	9.22E-06	3.57E-04	3.92E-05	0.00E+00	1.83E-07	2.51E-07	3.96E-05
2999	478726.63, 3850221.93	0.0107	0.00976	0.00215	0.00292	4.33E-05	2.91E-04	1.37E-05	9.22E-06	3.57E-04	3.93E-05	0.00E+00	1.83E-07	2.51E-07	3.98E-05
3000	478976.63, 3850221.93	0.01131	0.0096	0.00215	0.00297	4.57E-05	2.86E-04	1.37E-05	9.38E-06	3.55E-04	4.16E-05	0.00E+00	1.83E-07	2.56E-07	4.20E-05
3001	479026.63, 3850221.93	0.01153	0.00958	0.00215	0.00298	4.66E-05	2.86E-04	1.37E-05	9.41E-06	3.56E-04	4.24E-05	0.00E+00	1.83E-07	2.57E-07	4.28E-05
3002	479076.63, 3850221.93	0.01177	0.00951	0.00214	0.00299	4.76E-05	2.84E-04	1.37E-05	9.44E-06	3.54E-04	4.33E-05	0.00E+00	1.82E-07	2.57E-07	4.37E-05
3003	479126.63, 3850221.93	0.01206	0.00946	0.00214	0.003	4.87E-05	2.82E-04	1.37E-05	9.47E-06	3.54E-04	4.43E-05	0.00E+00	1.82E-07	2.58E-07	4.48E-05
3004	479176.63, 3850221.93	0.0124	0.00945	0.00214	0.003	5.01E-05	2.82E-04	1.37E-05	9.47E-06	3.55E-04	4.56E-05	0.00E+00	1.82E-07	2.58E-07	4.60E-05

3005	479226.63, 3850221.93	0.01278	0.00945	0.00213	0.00301	5.17E-05	2.82E-04	1.36E-05	9.50E-06	3.57E-04	4.70E-05	0.00E+00	1.81E-07	2.59E-07	4.74E-05
3006	479276.63, 3850221.93	0.0132	0.00944	0.00213	0.00301	5.34E-05	2.82E-04	1.36E-05	9.50E-06	3.58E-04	4.85E-05	0.00E+00	1.81E-07	2.59E-07	4.90E-05
3007	479326.63, 3850221.93	0.01358	0.0093	0.00213	0.00302	5.49E-05	2.77E-04	1.36E-05	9.54E-06	3.55E-04	4.99E-05	0.00E+00	1.81E-07	2.60E-07	5.04E-05
3008	479376.63, 3850221.93	0.01401	0.00919	0.00212	0.00303	5.66E-05	2.74E-04	1.35E-05	9.57E-06	3.54E-04	5.15E-05	0.00E+00	1.80E-07	2.61E-07	5.19E-05
3009	478676.63, 3850271.93	0.01082	0.00991	0.00216	0.00293	4.37E-05	2.96E-04	1.38E-05	9.25E-06	3.62E-04	3.98E-05	0.00E+00	1.84E-07	2.52E-07	4.02E-05
3010	478726.63, 3850271.93	0.01084	0.00993	0.00216	0.00293	4.38E-05	2.96E-04	1.38E-05	9.25E-06	3.63E-04	3.99E-05	0.00E+00	1.84E-07	2.52E-07	4.03E-05
3011	478976.63, 3850271.93	0.0113	0.0098	0.00216	0.00298	4.57E-05	2.92E-04	1.38E-05	9.41E-06	3.61E-04	4.15E-05	0.00E+00	1.84E-07	2.57E-07	4.20E-05
3012	479026.63, 3850271.93	0.01151	0.0098	0.00216	0.00299	4.65E-05	2.92E-04	1.38E-05	9.44E-06	3.62E-04	4.23E-05	0.00E+00	1.84E-07	2.57E-07	4.28E-05
3013	479076.63, 3850271.93	0.01172	0.00976	0.00216	0.00299	4.74E-05	2.91E-04	1.38E-05	9.44E-06	3.62E-04	4.31E-05	0.00E+00	1.84E-07	2.57E-07	4.35E-05
3014	479126.63, 3850271.93	0.01198	0.00972	0.00216	0.003	4.84E-05	2.90E-04	1.38E-05	9.47E-06	3.62E-04	4.40E-05	0.00E+00	1.84E-07	2.58E-07	4.45E-05
3015	479176.63, 3850271.93	0.01228	0.0097	0.00215	0.00301	4.96E-05	2.89E-04	1.37E-05	9.50E-06	3.62E-04	4.51E-05	0.00E+00	1.83E-07	2.59E-07	4.56E-05
3016	479226.63, 3850271.93	0.01263	0.00969	0.00215	0.00302	5.11E-05	2.89E-04	1.37E-05	9.54E-06	3.63E-04	4.64E-05	0.00E+00	1.83E-07	2.60E-07	4.69E-05
3017	479276.63, 3850271.93	0.01299	0.00964	0.00215	0.00302	5.25E-05	2.88E-04	1.37E-05	9.54E-06	3.63E-04	4.78E-05	0.00E+00	1.83E-07	2.60E-07	4.82E-05
3018	479326.63, 3850271.93	0.01335	0.00953	0.00214	0.00303	5.40E-05	2.84E-04	1.37E-05	9.57E-06	3.61E-04	4.91E-05	0.00E+00	1.82E-07	2.61E-07	4.95E-05
3019	479376.63, 3850271.93	0.01373	0.00936	0.00214	0.00305	5.55E-05	2.79E-04	1.37E-05	9.63E-06	3.58E-04	5.05E-05	0.00E+00	1.82E-07	2.63E-07	5.09E-05
3020	479053.24, 3850293.52	0.01162	0.00989	0.00217	0.00299	4.70E-05	2.95E-04	1.38E-05	9.44E-06	3.65E-04	4.27E-05	0.00E+00	1.85E-07	2.57E-07	4.32E-05
3021	479103.24, 3850293.52	0.01185	0.00986	0.00216	0.003	4.79E-05	2.94E-04	1.38E-05	9.47E-06	3.65E-04	4.36E-05	0.00E+00	1.84E-07	2.58E-07	4.40E-05
3022	479153.24, 3850293.52	0.0121	0.00981	0.00216	0.00301	4.89E-05	2.93E-04	1.38E-05	9.50E-06	3.65E-04	4.45E-05	0.00E+00	1.84E-07	2.59E-07	4.49E-05
3023	479203.24, 3850293.52	0.01242	0.0098	0.00216	0.00302	5.02E-05	2.92E-04	1.38E-05	9.54E-06	3.66E-04	4.57E-05	0.00E+00	1.84E-07	2.60E-07	4.61E-05
3024	479253.24, 3850293.52	0.01275	0.00977	0.00216	0.00302	5.15E-05	2.91E-04	1.38E-05	9.54E-06	3.66E-04	4.69E-05	0.00E+00	1.84E-07	2.60E-07	4.73E-05
3025	479303.24, 3850293.52	0.01309	0.00967	0.00215	0.00303	5.29E-05	2.88E-04	1.37E-05	9.57E-06	3.65E-04	4.81E-05	0.00E+00	1.83E-07	2.61E-07	4.86E-05
3026	479353.24, 3850293.52	0.01345	0.00953	0.00215	0.00304	5.44E-05	2.84E-04	1.37E-05	9.60E-06	3.62E-04	4.94E-05	0.00E+00	1.83E-07	2.62E-07	4.99E-05
3027	479153.24, 3850343.52	0.01207	0.01006	0.00218	0.00302	4.88E-05	3.00E-04	1.39E-05	9.54E-06	3.72E-04	4.44E-05	0.00E+00	1.85E-07	2.60E-07	4.48E-05
3028	479203.24, 3850343.52	0.01255	0.01004	0.00217	0.00302	5.07E-05	3.00E-04	1.38E-05	9.54E-06	3.74E-04	4.61E-05	0.00E+00	1.85E-07	2.60E-07	4.66E-05
3029	479253.24, 3850343.52	0.01261	0.00997	0.00217	0.00303	5.10E-05	2.97E-04	1.38E-05	9.57E-06	3.72E-04	4.64E-05	0.00E+00	1.85E-07	2.61E-07	4.68E-05
3030	479303.24, 3850343.52	0.0129	0.00987	0.00217	0.00304	5.21E-05	2.94E-04	1.38E-05	9.60E-06	3.70E-04	4.74E-05	0.00E+00	1.85E-07	2.62E-07	4.79E-05
3031	479353.24, 3850343.52	0.01323	0.00974	0.00216	0.00306	5.35E-05	2.91E-04	1.38E-05	9.66E-06	3.67E-04	4.86E-05	0.00E+00	1.84E-07	2.63E-07	4.91E-05
3032	479203.24, 3850393.52	0.01245	0.01025	0.00219	0.00303	5.03E-05	3.06E-04	1.40E-05	9.57E-06	3.80E-04	4.58E-05	0.00E+00	1.86E-07	2.61E-07	4.62E-05
3033	479253.24, 3850393.52	0.0127	0.01018	0.00219	0.00304	5.13E-05	3.04E-04	1.40E-05	9.60E-06	3.79E-04	4.67E-05	0.00E+00	1.86E-07	2.62E-07	4.71E-05
3034	479303.24, 3850393.52	0.01298	0.01009	0.00218	0.00305	5.25E-05	3.01E-04	1.39E-05	9.63E-06	3.77E-04	4.77E-05	0.00E+00	1.85E-07	2.63E-07	4.82E-05
3035	479353.24, 3850393.52	0.01307	0.00997	0.00218	0.00307	5.28E-05	2.97E-04	1.39E-05	9.69E-06	3.74E-04	4.81E-05	0.00E+00	1.85E-07	2.64E-07	4.85E-05
3036	479403.24, 3850393.52	0.0134	0.00985	0.00218	0.00308	5.42E-05	2.94E-04	1.39E-05	9.72E-06	3.72E-04	4.93E-05	0.00E+00	1.85E-07	2.65E-07	4.97E-05
3037	479453.24, 3850393.52	0.01375	0.00967	0.00217	0.00309	5.56E-05	2.88E-04	1.38E-05	9.76E-06	3.68E-04	5.06E-05	0.00E+00	1.85E-07	2.66E-07	5.10E-05
3038	479503.24, 3850393.52	0.01414	0.00947	0.00217	0.0031	5.72E-05	2.83E-04	1.38E-05	9.79E-06	3.63E-04	5.20E-05	0.00E+00	1.85E-07	2.67E-07	5.24E-05
3039	479303.24, 3850443.52	0.01285	0.01028	0.0022	0.00307	5.19E-05	3.07E-04	1.40E-05	9.69E-06	3.82E-04	4.72E-05	0.00E+00	1.87E-07	2.64E-07	4.77E-05
3040	479353.24, 3850443.52	0.01291	0.01015	0.0022	0.00308	5.22E-05	3.03E-04	1.40E-05	9.72E-06	3.79E-04	4.75E-05	0.00E+00	1.87E-07	2.65E-07	4.79E-05
3041	479403.24, 3850443.52	0.01318	0.00999	0.00219	0.00309	5.33E-05	2.98E-04	1.40E-05	9.76E-06	3.75E-04	4.85E-05	0.00E+00	1.86E-07	2.66E-07	4.89E-05
3042	479453.24, 3850443.52	0.0135	0.00983	0.00219	0.00311	5.46E-05	2.93E-04	1.40E-05	9.82E-06	3.72E-04	4.96E-05	0.00E+00	1.86E-07	2.68E-07	5.01E-05
3043	479503.24, 3850443.52	0.01386	0.00964	0.00218	0.00312	5.60E-05	2.88E-04	1.39E-05	9.85E-06	3.67E-04	5.10E-05	0.00E+00	1.85E-07	2.69E-07	5.14E-05
3044	480327.18, 3850987.04	0.01924	0.0112	0.00233	0.00341	7.78E-05	3.34E-04	1.49E-05	1.08E-05	4.38E-04	7.07E-05	0.00E+00	1.98E-07	2.94E-07	7.12E-05
3045	480377.18, 3850987.04	0.0198	0.01109	0.00232	0.00343	8.00E-05	3.31E-04	1.48E-05	1.08E-05	4.37E-04	7.28E-05	0.00E+00	1.97E-07	2.95E-07	7.33E-05
3046	480427.18, 3850987.04	0.02035	0.01095	0.00232	0.00344	8.23E-05	3.27E-04	1.48E-05	1.09E-05	4.35E-04	7.48E-05	0.00E+00	1.97E-07	2.96E-07	7.53E-05
3047	480477.18, 3850987.04	0.02086	0.01079	0.00232	0.00346	8.43E-05	3.22E-04	1.48E-05	1.09E-05	4.32E-04	7.67E-05	0.00E+00	1.97E-07	2.98E-07	7.72E-05
3048	480327.18, 3851037.04	0.01894	0.01147	0.00235	0.00342	7.66E-05	3.42E-04	1.50E-05	1.08E-05	4.45E-04	6.96E-05	0.00E+00	2.00E-07	2.94E-07	7.01E-05
3049	480377.18, 3851037.04	0.01952	0.01135	0.00234	0.00344	7.89E-05	3.39E-04	1.49E-05	1.09E-05	4.43E-04	7.18E-05	0.00E+00	1.99E-07	2.96E-07	7.23E-05
3050	480427.18, 3851037.04	0.02009	0.01121	0.00234	0.00346	8.12E-05	3.34E-04	1.49E-05	1.09E-05	4.41E-04	7.39E-05	0.00E+00	1.99E-07	2.98E-07	7.44E-05
3051	480477.18, 3851037.04	0.02065	0.01111	0.00233	0.00347	8.35E-05	3.31E-04	1.49E-05	1.10E-05	4.41E-04	7.59E-05	0.00E+00	1.98E-07	2.99E-07	7.64E-05
3052	480622.06, 3851087.39	0.02198	0.01113	0.00235	0.00354	8.88E-05	3.32E-04	1.50E-05	1.12E-05	4.47E-04	8.08E-05	0.00E+00	2.00E-07	3.05E-07	8.13E-05
3053	480672.06, 3851087.39	0.02246	0.01106	0.00234	0.00356	9.08E-05	3.30E-04	1.49E-05	1.12E-05	4.47E-04	8.26E-05	0.00E+00	1.99E-07	3.07E-07	8.31E-05
3054	480622.06, 3851137.39	0.0218	0.01145	0.00236	0.00355	8.81E-05	3.42E-04	1.51E-05	1.12E-05	4.56E-04	8.01E-05	0.00E+00	2.01E-07	3.06E-07	8.07E-05
3055	480672.06, 3851137.39	0.02233	0.01137	0.00236	0.00357	9.03E-05	3.39E-04	1.51E-05	1.13E-05	4.56E-04	8.21E-05	0.00E+00	2.01E-07	3.07E-07	8.26E-05
3056	480722.06, 3851137.39	0.02283	0.01131	0.00236	0.00359	9.23E-05	3.37E-04	1.51E-05	1.13E-05	4.56E-04	8.39E-05	0.00E+00	2.01E-07	3.09E-07	8.44E-05
3057	480622.06, 3851187.39	0.02155	0.01176	0.00238	0.00357	8.71E-05	3.51E-04	1.52E-05	1.13E-05	4.64E-04	7.92E-05	0.00E+00	2.02E-07	3.07E-07	7.97E-05
3058	480672.06, 3851187.39	0.02214	0.01169	0.00238	0.00358	8.95E-05	3.49E-04	1.52E-05	1.13E-05	4.65E-04	8.14E-05	0.00E+00	2.02E-07	3.08E-07	8.19E-05
3059	480722.06, 3851187.39	0.02269	0.01164	0.00238	0.0036	9.17E-05	3.47E-04	1.52E-05	1.14E-05	4.66E-04	8.34E-05	0.00E+00	2.02E-07	3.10E-07	8.39E-05
3060	471363.09, 3845877.25	0.00353	0.00195	0.00128	0.00181	1.43E-05	5.82E-05	8.16E-06	5.71E-06	8.63E-05	1.30E-05	0.00E+00	1.09E-07	1.56E-07	1.32E-05
3061	471863.09, 3845877.25	0.00337	0.00187	0.00131	0.0018	1.36E-05	5.58E-05	8.36E-06	5.68E-06	8.34E-05	1.24E-05	0.00E+00	1.11E-07	1.55E-07	1.27E-05
3062	472363.09, 3845877.25	0.00362	0.00207	0.00139	0.00179	1.46E-05	6.18E-05	8.87E-06	5.65E-06	9.09E-05	1.33E-05	0.00E+00	1.18E-07	1.54E-07	1.36E-05
3063	472863.09, 3845877.25	0.00311	0.00191	0.00139	0.00175	1.26E-05	5.70E-05	8.87E-06	5.53E-06	8.39E-05	1.14E-05	0.00E+00	1.18E-07	1.51E-07	1.17E-05
3064	473363.09, 3845877.25	0.00293	0.00216	0.00141	0.00173	1.18E-05	6.44E-05	8.99E-06	5.46E-06	9.07E-05	1.08E-05	0.00E+00	1.20E-07	1.49E-07	1.10E-05
3065	473863.09, 3845877.25	0.00311	0.0024	0.00141	0.00172	1.26E-05	7.16E-05	8.99E-06	5.43E-06	9.86E-05	1.14E-05	0.00E+00	1.20E-07	1.48E-07	1.17E-05
3066	474363.09, 3845877.25	0.00356	0.00274	0.0014	0.00174	1.44E-05	8.17E-05	8.93E-06	5.49E-06	1.11E-04	1.31E-05	0.00E+00	1.19E-07	1.50E-07	1.34E-05
3067	474863.09, 3845877.25	0.00432	0.00292	0.00139	0.0018	1.75E-05	8.71E-05	8.87E-06	5.68E-06	1.19E-04	1.59E-05	0.00E+00	1.18E-07	1.55E-07	1.62E-05
3068	475363.09, 3845877.25	0.00608	0.00297	0.00138	0.0019	2.46E-05	8.86E-05	8.80E-06	6.00E-06	1.28E-04	2.24E-05	0.00E+00	1.17E-07	1.64E-07	2.26E-05

3069	475863.09, 3845877.25	0.00633	0.00284	0.00139	0.00193	2.56E-05	8.47E-05	8.87E-06	6.09E-06	1.25E-04	2.33E-05	0.00E+00	1.18E-07	1.66E-07	2.36E-05
3070	476363.09, 3845877.25	0.00585	0.00252	0.00144	0.00191	2.36E-05	7.52E-05	9.19E-06	6.03E-06	1.14E-04	2.15E-05	0.00E+00	1.22E-07	1.64E-07	2.18E-05
3071	476863.09, 3845877.25	0.00555	0.00223	0.00159	0.0019	2.24E-05	6.65E-05	1.01E-05	6.00E-06	1.05E-04	2.04E-05	0.00E+00	1.35E-07	1.64E-07	2.07E-05
3072	477363.09, 3845877.25	0.00405	0.00215	0.00182	0.00191	1.64E-05	6.41E-05	1.16E-05	6.03E-06	9.82E-05	1.49E-05	0.00E+00	1.55E-07	1.64E-07	1.52E-05
3073	477863.09, 3845877.25	0.00349	0.00201	0.00191	0.0019	1.41E-05	6.00E-05	1.22E-05	6.00E-06	9.23E-05	1.28E-05	0.00E+00	1.62E-07	1.64E-07	1.32E-05
3074	478363.09, 3845877.25	0.00376	0.00193	0.00185	0.00191	1.52E-05	5.76E-05	1.18E-05	6.03E-06	9.06E-05	1.38E-05	0.00E+00	1.57E-07	1.64E-07	1.41E-05
3075	478863.09, 3845877.25	0.00327	0.00179	0.00173	0.00194	1.32E-05	5.34E-05	1.10E-05	6.13E-06	8.38E-05	1.20E-05	0.00E+00	1.47E-07	1.67E-07	1.23E-05
3076	479363.09, 3845877.25	0.00311	0.00176	0.00168	0.00198	1.26E-05	5.25E-05	1.07E-05	6.25E-06	8.20E-05	1.14E-05	0.00E+00	1.43E-07	1.70E-07	1.17E-05
3077	479863.09, 3845877.25	0.00315	0.00172	0.00165	0.00205	1.27E-05	5.13E-05	1.05E-05	6.47E-06	8.10E-05	1.16E-05	0.00E+00	1.40E-07	1.77E-07	1.19E-05
3078	480363.09, 3845877.25	0.00276	0.00162	0.00162	0.00212	1.12E-05	4.83E-05	1.03E-05	6.69E-06	7.65E-05	1.01E-05	0.00E+00	1.38E-07	1.83E-07	1.05E-05
3079	480863.09, 3845877.25	0.0024	0.00149	0.00164	0.00218	9.70E-06	4.45E-05	1.05E-05	6.88E-06	7.15E-05	8.82E-06	0.00E+00	1.39E-07	1.88E-07	9.15E-06
3080	481363.09, 3845877.25	0.00209	0.00141	0.00172	0.00218	8.45E-06	4.21E-05	1.10E-05	6.88E-06	6.84E-05	7.68E-06	0.00E+00	1.46E-07	1.88E-07	8.02E-06
3081	481863.09, 3845877.25	0.00194	0.00134	0.00184	0.00214	7.84E-06	4.00E-05	1.17E-05	6.76E-06	6.63E-05	7.13E-06	0.00E+00	1.56E-07	1.84E-07	7.47E-06
3082	482363.09, 3845877.25	0.00185	0.00127	0.00196	0.0021	7.48E-06	3.79E-05	1.25E-05	6.63E-06	6.45E-05	6.80E-06	0.00E+00	1.67E-07	1.81E-07	7.15E-06
3083	482863.09, 3845877.25	0.00149	0.00114	0.00204	0.00207	6.02E-06	3.40E-05	1.30E-05	6.54E-06	5.96E-05	5.48E-06	0.00E+00	1.73E-07	1.78E-07	5.83E-06
3084	483363.09, 3845877.25	0.00136	0.00105	0.00218	0.00202	5.50E-06	3.13E-05	1.39E-05	6.38E-06	5.71E-05	5.00E-06	0.00E+00	1.85E-07	1.74E-07	5.36E-06
3085	483863.09, 3845877.25	0.00156	0.00113	0.00242	0.00211	6.31E-06	3.37E-05	1.54E-05	6.66E-06	6.21E-05	5.74E-06	0.00E+00	2.06E-07	1.82E-07	6.12E-06
3086	484363.09, 3845877.25	0.00152	0.00111	0.00257	0.00212	6.14E-06	3.31E-05	1.64E-05	6.69E-06	6.23E-05	5.59E-06	0.00E+00	2.19E-07	1.83E-07	5.99E-06
3087	484863.09, 3845877.25	0.00148	0.00108	0.00249	0.00209	5.98E-06	3.22E-05	1.59E-05	6.60E-06	6.07E-05	5.44E-06	0.00E+00	2.12E-07	1.80E-07	5.83E-06
3088	485363.09, 3845877.25	0.0014	0.00104	0.00226	0.00205	5.66E-06	3.10E-05	1.44E-05	6.47E-06	5.76E-05	5.15E-06	0.00E+00	1.92E-07	1.77E-07	5.52E-06
3089	485863.09, 3845877.25	0.00133	0.00103	0.002	0.00203	5.38E-06	3.07E-05	1.28E-05	6.41E-06	5.53E-05	4.89E-06	0.00E+00	1.70E-07	1.75E-07	5.23E-06
3090	486363.09, 3845877.25	0.00129	0.00103	0.00181	0.00201	5.21E-06	3.07E-05	1.15E-05	6.35E-06	5.38E-05	4.74E-06	0.00E+00	1.54E-07	1.73E-07	5.07E-06
3091	486863.09, 3845877.25	0.00118	0.00099	0.00164	0.00197	4.77E-06	2.95E-05	1.05E-05	6.22E-06	5.10E-05	4.34E-06	0.00E+00	1.39E-07	1.70E-07	4.65E-06
3092	487363.09, 3845877.25	0.00115	0.00095	0.00152	0.00197	4.65E-06	2.83E-05	9.70E-06	6.22E-06	4.89E-05	4.23E-06	0.00E+00	1.29E-07	1.70E-07	4.53E-06
3093	487863.09, 3845877.25	0.0011	0.0009	0.00149	0.00196	4.45E-06	2.68E-05	9.50E-06	6.19E-06	4.70E-05	4.04E-06	0.00E+00	1.27E-07	1.69E-07	4.34E-06
3094	488363.09, 3845877.25	0.00108	0.00089	0.00151	0.00196	4.37E-06	2.66E-05	9.63E-06	6.19E-06	4.67E-05	3.97E-06	0.00E+00	1.28E-07	1.69E-07	4.27E-06
3095	488863.09, 3845877.25	0.00117	0.00094	0.0019	0.00204	4.73E-06	2.80E-05	1.21E-05	6.44E-06	5.13E-05	4.30E-06	0.00E+00	1.62E-07	1.76E-07	4.64E-06
3096	489363.09, 3845877.25	0.00117	0.00092	0.00199	0.00205	4.73E-06	2.74E-05	1.27E-05	6.47E-06	5.13E-05	4.30E-06	0.00E+00	1.69E-07	1.77E-07	4.65E-06
3097	489863.09, 3845877.25	0.00115	0.00091	0.00204	0.00204	4.65E-06	2.71E-05	1.30E-05	6.44E-06	5.13E-05	4.23E-06	0.00E+00	1.73E-07	1.76E-07	4.58E-06
3098	490363.09, 3845877.25	0.00109	0.0009	0.0018	0.00201	4.41E-06	2.68E-05	1.15E-05	6.35E-06	4.91E-05	4.01E-06	0.00E+00	1.53E-07	1.73E-07	4.33E-06
3099	490863.09, 3845877.25	0.00101	0.00085	0.00163	0.00193	4.08E-06	2.54E-05	1.04E-05	6.09E-06	4.59E-05	3.71E-06	0.00E+00	1.39E-07	1.66E-07	4.02E-06
3100	491363.09, 3845877.25	0.00107	0.0009	0.00171	0.00203	4.33E-06	2.68E-05	1.09E-05	6.41E-06	4.85E-05	3.93E-06	0.00E+00	1.45E-07	1.75E-07	4.25E-06
3101	491863.09, 3845877.25	0.00114	0.00094	0.00181	0.00211	4.61E-06	2.80E-05	1.15E-05	6.66E-06	5.09E-05	4.19E-06	0.00E+00	1.54E-07	1.82E-07	4.53E-06
3102	492363.09, 3845877.25	0.00114	0.00092	0.00173	0.0021	4.61E-06	2.74E-05	1.10E-05	6.63E-06	4.97E-05	4.19E-06	0.00E+00	1.47E-07	1.81E-07	4.52E-06
3103	492863.09, 3845877.25	0.0013	0.00102	0.00187	0.00227	5.25E-06	3.04E-05	1.19E-05	7.17E-06	5.48E-05	4.78E-06	0.00E+00	1.59E-07	1.95E-07	5.13E-06
3104	493363.09, 3845877.25	0.00138	0.00106	0.00187	0.00236	5.58E-06	3.16E-05	1.19E-05	7.45E-06	5.66E-05	5.07E-06	0.00E+00	1.59E-07	2.03E-07	5.44E-06
3105	493863.09, 3845877.25	0.00148	0.0011	0.00182	0.00245	5.98E-06	3.28E-05	1.16E-05	7.74E-06	5.81E-05	5.44E-06	0.00E+00	1.55E-07	2.11E-07	5.81E-06
3106	494363.09, 3845877.25	0.0016	0.00113	0.00177	0.00252	6.47E-06	3.37E-05	1.13E-05	7.96E-06	5.94E-05	5.88E-06	0.00E+00	1.51E-07	2.17E-07	6.25E-06
3107	494863.09, 3845877.25	0.00166	0.00115	0.00179	0.00257	6.71E-06	3.43E-05	1.14E-05	8.11E-06	6.06E-05	6.10E-06	0.00E+00	1.52E-07	2.21E-07	6.48E-06
3108	495363.09, 3845877.25	0.00177	0.00122	0.00186	0.00264	7.15E-06	3.64E-05	1.19E-05	8.34E-06	6.38E-05	6.51E-06	0.00E+00	1.58E-07	2.27E-07	6.89E-06
3109	495863.09, 3845877.25	0.00187	0.00129	0.00189	0.0027	7.56E-06	3.85E-05	1.21E-05	8.52E-06	6.66E-05	6.88E-06	0.00E+00	1.61E-07	2.32E-07	7.27E-06
3110	496363.09, 3845877.25	0.00195	0.00136	0.00196	0.00278	7.88E-06	4.06E-05	1.25E-05	8.78E-06	6.97E-05	7.17E-06	0.00E+00	1.67E-07	2.39E-07	7.58E-06
3111	496863.09, 3845877.25	0.00201	0.00143	0.00212	0.00284	8.12E-06	4.27E-05	1.35E-05	8.97E-06	7.33E-05	7.39E-06	0.00E+00	1.80E-07	2.45E-07	7.81E-06
3112	497363.09, 3845877.25	0.00211	0.00149	0.00234	0.00292	8.53E-06	4.45E-05	1.49E-05	9.22E-06	7.71E-05	7.76E-06	0.00E+00	1.99E-07	2.51E-07	8.21E-06
3113	497863.09, 3845877.25	0.00224	0.00156	0.00258	0.00301	9.05E-06	4.65E-05	1.65E-05	9.50E-06	8.16E-05	8.24E-06	0.00E+00	2.19E-07	2.59E-07	8.71E-06
3114	498363.09, 3845877.25	0.00236	0.00164	0.00281	0.00311	9.54E-06	4.89E-05	1.79E-05	9.82E-06	8.62E-05	8.68E-06	0.00E+00	2.39E-07	2.68E-07	9.18E-06
3115	471363.09, 3846377.25	0.00499	0.00319	0.00141	0.00194	2.02E-05	9.52E-05	8.99E-06	6.13E-06	1.30E-04	1.83E-05	0.00E+00	1.20E-07	1.67E-07	1.86E-05
3116	471863.09, 3846377.25	0.00474	0.00272	0.00141	0.00193	1.92E-05	8.11E-05	8.99E-06	6.09E-06	1.15E-04	1.74E-05	0.00E+00	1.20E-07	1.66E-07	1.77E-05
3117	472363.09, 3846377.25	0.00367	0.00198	0.00135	0.00188	1.48E-05	5.91E-05	8.61E-06	5.94E-06	8.85E-05	1.35E-05	0.00E+00	1.15E-07	1.62E-07	1.38E-05
3118	472863.09, 3846377.25	0.00366	0.00205	0.00141	0.00186	1.48E-05	6.12E-05	8.99E-06	5.87E-06	9.08E-05	1.35E-05	0.00E+00	1.20E-07	1.60E-07	1.37E-05
3119	473363.09, 3846377.25	0.00365	0.00218	0.00145	0.00184	1.48E-05	6.50E-05	9.25E-06	5.81E-06	9.48E-05	1.34E-05	0.00E+00	1.23E-07	1.58E-07	1.37E-05
3120	473863.09, 3846377.25	0.00354	0.00259	0.00149	0.00182	1.43E-05	7.73E-05	9.50E-06	5.75E-06	1.07E-04	1.30E-05	0.00E+00	1.27E-07	1.57E-07	1.33E-05
3121	474363.09, 3846377.25	0.00367	0.00295	0.00149	0.00181	1.48E-05	8.80E-05	9.50E-06	5.71E-06	1.18E-04	1.35E-05	0.00E+00	1.27E-07	1.56E-07	1.38E-05
3122	474863.09, 3846377.25	0.00418	0.00327	0.00148	0.00184	1.69E-05	9.76E-05	9.44E-06	5.81E-06	1.30E-04	1.54E-05	0.00E+00	1.26E-07	1.58E-07	1.57E-05
3123	475363.09, 3846377.25	0.00498	0.00334	0.00146	0.00193	2.01E-05	9.96E-05	9.31E-06	6.09E-06	1.35E-04	1.83E-05	0.00E+00	1.24E-07	1.66E-07	1.86E-05
3124	475863.09, 3846377.25	0.00692	0.00335	0.00145	0.00203	2.80E-05	9.99E-05	9.25E-06	6.41E-06	1.44E-04	2.54E-05	0.00E+00	1.23E-07	1.75E-07	2.57E-05
3125	476363.09, 3846377.25	0.00694	0.00305	0.00145	0.00203	2.81E-05	9.10E-05	9.25E-06	6.41E-06	1.35E-04	2.55E-05	0.00E+00	1.23E-07	1.75E-07	2.58E-05
3126	476863.09, 3846377.25	0.00647	0.00265	0.00152	0.002	2.62E-05	7.91E-05	9.70E-06	6.31E-06	1.21E-04	2.38E-05	0.00E+00	1.29E-07	1.72E-07	2.41E-05
3127	477363.09, 3846377.25	0.006	0.00243	0.00171	0.002	2.43E-05	7.25E-05	1.09E-05	6.31E-06	1.14E-04	2.21E-05	0.00E+00	1.45E-07	1.72E-07	2.24E-05
3128	477863.09, 3846377.25	0.0042	0.00229	0.00195	0.00201	1.70E-05	6.83E-05	1.24E-05	6.35E-06	1.04E-04	1.54E-05	0.00E+00	1.66E-07	1.73E-07	1.58E-05
3129	478363.09, 3846377.25	0.00399	0.00217	0.00205	0.00203	1.61E-05	6.47E-05	1.31E-05	6.41E-06	1.00E-04	1.47E-05	0.00E+00	1.74E-07	1.75E-07	1.50E-05
3130	478863.09, 3846377.25	0.0042	0.00209	0.00197	0.00204	1.70E-05	6.24E-05	1.26E-05	6.44E-06	9.83E-05	1.54E-05	0.00E+00	1.68E-07	1.76E-07	1.58E-05
3131	479363.09, 3846377.25	0.00367	0.00197	0.00181	0.00206	1.48E-05	5.88E-05	1.15E-05	6.50E-06	9.17E-05	1.35E-05	0.00E+00	1.54E-07	1.77E-07	1.38E-05
3132	479863.09, 3846377.25	0.0034	0.00186	0.00174	0.00211	1.37E-05	5.55E-05	1.11E-05	6.66E-06	8.70E-05	1.25E-05	0.00E+00	1.48E-07	1.82E-07	1.28E-05

3133	480363.09, 3846377.25	0.00354	0.00189	0.00173	0.0022	1.43E-05	5.64E-05	1.10E-05	6.95E-06	8.87E-05	1.30E-05	0.00E+00	1.47E-07	1.89E-07	1.34E-05
3134	480863.09, 3846377.25	0.00288	0.00169	0.00171	0.00226	1.16E-05	5.04E-05	1.09E-05	7.14E-06	8.01E-05	1.06E-05	0.00E+00	1.45E-07	1.95E-07	1.09E-05
3135	481363.09, 3846377.25	0.00256	0.00158	0.00176	0.0023	1.03E-05	4.71E-05	1.12E-05	7.26E-06	7.60E-05	9.41E-06	0.00E+00	1.50E-07	1.98E-07	9.76E-06
3136	481863.09, 3846377.25	0.0022	0.0015	0.00185	0.00226	8.89E-06	4.47E-05	1.18E-05	7.14E-06	7.26E-05	8.09E-06	0.00E+00	1.57E-07	1.95E-07	8.44E-06
3137	482363.09, 3846377.25	0.00207	0.00139	0.00198	0.0022	8.37E-06	4.15E-05	1.26E-05	6.95E-06	6.94E-05	7.61E-06	0.00E+00	1.68E-07	1.89E-07	7.97E-06
3138	482863.09, 3846377.25	0.00175	0.00127	0.00209	0.00217	7.07E-06	3.79E-05	1.33E-05	6.85E-06	6.51E-05	6.43E-06	0.00E+00	1.78E-07	1.87E-07	6.80E-06
3139	483363.09, 3846377.25	0.0018	0.00127	0.00226	0.00219	7.28E-06	3.79E-05	1.44E-05	6.91E-06	6.65E-05	6.62E-06	0.00E+00	1.92E-07	1.89E-07	7.00E-06
3140	483863.09, 3846377.25	0.00176	0.00124	0.00248	0.00221	7.11E-06	3.70E-05	1.58E-05	6.98E-06	6.69E-05	6.47E-06	0.00E+00	2.11E-07	1.90E-07	6.87E-06
3141	484363.09, 3846377.25	0.0016	0.00117	0.00262	0.00221	6.47E-06	3.49E-05	1.67E-05	6.98E-06	6.51E-05	5.88E-06	0.00E+00	2.23E-07	1.90E-07	6.30E-06
3142	484863.09, 3846377.25	0.00171	0.0012	0.0027	0.00222	6.91E-06	3.58E-05	1.72E-05	7.01E-06	6.69E-05	6.29E-06	0.00E+00	2.30E-07	1.91E-07	6.71E-06
3143	485363.09, 3846377.25	0.00167	0.00118	0.00254	0.0022	6.75E-06	3.52E-05	1.62E-05	6.95E-06	6.51E-05	6.14E-06	0.00E+00	2.16E-07	1.89E-07	6.55E-06
3144	485863.09, 3846377.25	0.00149	0.00112	0.00217	0.00215	6.02E-06	3.34E-05	1.38E-05	6.79E-06	6.01E-05	5.48E-06	0.00E+00	1.85E-07	1.85E-07	5.85E-06
3145	486363.09, 3846377.25	0.00128	0.00105	0.00189	0.00208	5.17E-06	3.13E-05	1.21E-05	6.57E-06	5.51E-05	4.71E-06	0.00E+00	1.61E-07	1.79E-07	5.05E-06
3146	486863.09, 3846377.25	0.00122	0.00103	0.0017	0.00205	4.93E-06	3.07E-05	1.08E-05	6.47E-06	5.30E-05	4.49E-06	0.00E+00	1.45E-07	1.77E-07	4.81E-06
3147	487363.09, 3846377.25	0.00123	0.001	0.00162	0.00208	4.97E-06	2.98E-05	1.03E-05	6.57E-06	5.17E-05	4.52E-06	0.00E+00	1.38E-07	1.79E-07	4.84E-06
3148	487863.09, 3846377.25	0.00132	0.00103	0.00167	0.00213	5.34E-06	3.07E-05	1.07E-05	6.73E-06	5.34E-05	4.85E-06	0.00E+00	1.42E-07	1.83E-07	5.18E-06
3149	488363.09, 3846377.25	0.00131	0.00102	0.00184	0.00215	5.30E-06	3.04E-05	1.17E-05	6.79E-06	5.43E-05	4.82E-06	0.00E+00	1.56E-07	1.85E-07	5.16E-06
3150	488863.09, 3846377.25	0.00127	0.00101	0.00206	0.00216	5.13E-06	3.01E-05	1.31E-05	6.82E-06	5.52E-05	4.67E-06	0.00E+00	1.75E-07	1.86E-07	5.03E-06
3151	489363.09, 3846377.25	0.00128	0.00099	0.00226	0.00217	5.17E-06	2.95E-05	1.44E-05	6.85E-06	5.60E-05	4.71E-06	0.00E+00	1.92E-07	1.87E-07	5.08E-06
3152	489863.09, 3846377.25	0.00126	0.001	0.00215	0.00217	5.09E-06	2.98E-05	1.37E-05	6.85E-06	5.55E-05	4.63E-06	0.00E+00	1.83E-07	1.87E-07	5.00E-06
3153	490363.09, 3846377.25	0.00114	0.00094	0.00183	0.0021	4.61E-06	2.80E-05	1.17E-05	6.63E-06	5.10E-05	4.19E-06	0.00E+00	1.56E-07	1.81E-07	4.53E-06
3154	490863.09, 3846377.25	0.00111	0.00093	0.00176	0.0021	4.49E-06	2.77E-05	1.12E-05	6.63E-06	5.01E-05	4.08E-06	0.00E+00	1.50E-07	1.81E-07	4.41E-06
3155	491363.09, 3846377.25	0.00113	0.00094	0.00177	0.00214	4.57E-06	2.80E-05	1.13E-05	6.76E-06	5.07E-05	4.15E-06	0.00E+00	1.51E-07	1.84E-07	4.49E-06
3156	491863.09, 3846377.25	0.00129	0.00103	0.00195	0.00228	5.21E-06	3.07E-05	1.24E-05	7.20E-06	5.56E-05	4.74E-06	0.00E+00	1.66E-07	1.96E-07	5.10E-06
3157	492363.09, 3846377.25	0.00133	0.00105	0.00195	0.00234	5.38E-06	3.13E-05	1.24E-05	7.39E-06	5.65E-05	4.89E-06	0.00E+00	1.66E-07	2.01E-07	5.26E-06
3158	492863.09, 3846377.25	0.00139	0.00108	0.00193	0.00243	5.62E-06	3.22E-05	1.23E-05	7.67E-06	5.78E-05	5.11E-06	0.00E+00	1.64E-07	2.09E-07	5.48E-06
3159	493363.09, 3846377.25	0.00152	0.00114	0.00192	0.00254	6.14E-06	3.40E-05	1.22E-05	8.02E-06	6.04E-05	5.59E-06	0.00E+00	1.63E-07	2.19E-07	5.97E-06
3160	493863.09, 3846377.25	0.00164	0.00118	0.00186	0.00263	6.63E-06	3.52E-05	1.19E-05	8.30E-06	6.20E-05	6.03E-06	0.00E+00	1.58E-07	2.26E-07	6.41E-06
3161	494363.09, 3846377.25	0.00176	0.00121	0.00185	0.0027	7.11E-06	3.61E-05	1.18E-05	8.52E-06	6.35E-05	6.47E-06	0.00E+00	1.57E-07	2.32E-07	6.86E-06
3162	494863.09, 3846377.25	0.00187	0.00127	0.00193	0.00277	7.56E-06	3.79E-05	1.23E-05	8.75E-06	6.65E-05	6.88E-06	0.00E+00	1.64E-07	2.39E-07	7.28E-06
3163	495363.09, 3846377.25	0.00196	0.00134	0.00196	0.00283	7.92E-06	4.00E-05	1.25E-05	8.94E-06	6.93E-05	7.21E-06	0.00E+00	1.67E-07	2.44E-07	7.62E-06
3164	495863.09, 3846377.25	0.00206	0.00143	0.00201	0.00292	8.33E-06	4.27E-05	1.28E-05	9.22E-06	7.30E-05	7.57E-06	0.00E+00	1.71E-07	2.51E-07	8.00E-06
3165	496363.09, 3846377.25	0.00216	0.00152	0.00215	0.003	8.73E-06	4.53E-05	1.37E-05	9.47E-06	7.73E-05	7.94E-06	0.00E+00	1.83E-07	2.58E-07	8.38E-06
3166	496863.09, 3846377.25	0.0023	0.0016	0.00238	0.00309	9.30E-06	4.77E-05	1.52E-05	9.76E-06	8.20E-05	8.46E-06	0.00E+00	2.02E-07	2.66E-07	8.92E-06
3167	497363.09, 3846377.25	0.00245	0.00169	0.00267	0.00318	9.90E-06	5.04E-05	1.70E-05	1.00E-05	8.74E-05	9.01E-06	0.00E+00	2.27E-07	2.74E-07	9.51E-06
3168	497863.09, 3846377.25	0.0026	0.00177	0.00295	0.00329	1.05E-05	5.28E-05	1.88E-05	1.04E-05	9.25E-05	9.56E-06	0.00E+00	2.51E-07	2.83E-07	1.01E-05
3169	498363.09, 3846377.25	0.00274	0.00187	0.00316	0.0034	1.11E-05	5.58E-05	2.02E-05	1.07E-05	9.78E-05	1.01E-05	0.00E+00	2.69E-07	2.93E-07	1.06E-05
3170	471363.09, 3846877.25	0.00562	0.00366	0.00145	0.00199	2.27E-05	1.09E-04	9.25E-06	6.28E-06	1.47E-04	2.07E-05	0.00E+00	1.23E-07	1.71E-07	2.10E-05
3171	471863.09, 3846877.25	0.00553	0.00355	0.00146	0.00202	2.24E-05	1.06E-04	9.31E-06	6.38E-06	1.44E-04	2.03E-05	0.00E+00	1.24E-07	1.74E-07	2.06E-05
3172	472363.09, 3846877.25	0.00532	0.00317	0.00147	0.00203	2.15E-05	9.46E-05	9.38E-06	6.41E-06	1.32E-04	1.96E-05	0.00E+00	1.25E-07	1.75E-07	1.99E-05
3173	472863.09, 3846877.25	0.00393	0.00209	0.00139	0.00196	1.59E-05	6.24E-05	8.87E-06	6.19E-06	9.33E-05	1.44E-05	0.00E+00	1.18E-07	1.69E-07	1.47E-05
3174	473363.09, 3846877.25	0.0042	0.00228	0.00146	0.00195	1.70E-05	6.80E-05	9.31E-06	6.16E-06	1.00E-04	1.54E-05	0.00E+00	1.24E-07	1.68E-07	1.57E-05
3175	473863.09, 3846877.25	0.00447	0.00266	0.00153	0.00194	1.81E-05	7.94E-05	9.76E-06	6.13E-06	1.13E-04	1.64E-05	0.00E+00	1.30E-07	1.67E-07	1.67E-05
3176	474363.09, 3846877.25	0.00416	0.003	0.00156	0.00191	1.68E-05	8.95E-05	9.95E-06	6.03E-06	1.22E-04	1.53E-05	0.00E+00	1.33E-07	1.64E-07	1.56E-05
3177	474863.09, 3846877.25	0.00408	0.00333	0.00157	0.0019	1.65E-05	9.93E-05	1.00E-05	6.00E-06	1.32E-04	1.50E-05	0.00E+00	1.34E-07	1.64E-07	1.53E-05
3178	475363.09, 3846877.25	0.00444	0.00341	0.00155	0.00193	1.79E-05	1.02E-04	9.89E-06	6.09E-06	1.36E-04	1.63E-05	0.00E+00	1.32E-07	1.66E-07	1.66E-05
3179	475863.09, 3846877.25	0.00552	0.00367	0.00153	0.00204	2.23E-05	1.09E-04	9.76E-06	6.44E-06	1.48E-04	2.03E-05	0.00E+00	1.30E-07	1.76E-07	2.06E-05
3180	476363.09, 3846877.25	0.00755	0.0036	0.00152	0.00214	3.05E-05	1.07E-04	9.70E-06	6.76E-06	1.54E-04	2.78E-05	0.00E+00	1.29E-07	1.84E-07	2.81E-05
3181	476863.09, 3846877.25	0.00762	0.00329	0.00152	0.00213	3.08E-05	9.82E-05	9.70E-06	6.73E-06	1.45E-04	2.80E-05	0.00E+00	1.29E-07	1.83E-07	2.83E-05
3182	477363.09, 3846877.25	0.00724	0.00283	0.0016	0.00211	2.93E-05	8.44E-05	1.02E-05	6.66E-06	1.31E-04	2.66E-05	0.00E+00	1.36E-07	1.82E-07	2.69E-05
3183	477863.09, 3846877.25	0.0063	0.00261	0.00183	0.00212	2.55E-05	7.79E-05	1.17E-05	6.69E-06	1.22E-04	2.32E-05	0.00E+00	1.56E-07	1.83E-07	2.35E-05
3184	478363.09, 3846877.25	0.0046	0.00252	0.00215	0.00215	1.86E-05	7.52E-05	1.37E-05	6.79E-06	1.14E-04	1.69E-05	0.00E+00	1.83E-07	1.85E-07	1.73E-05
3185	478863.09, 3846877.25	0.00487	0.00248	0.00231	0.00217	1.97E-05	7.40E-05	1.47E-05	6.85E-06	1.15E-04	1.79E-05	0.00E+00	1.96E-07	1.87E-07	1.83E-05
3186	479363.09, 3846877.25	0.00457	0.00224	0.00207	0.00217	1.85E-05	6.68E-05	1.32E-05	6.85E-06	1.05E-04	1.68E-05	0.00E+00	1.76E-07	1.87E-07	1.72E-05
3187	479863.09, 3846877.25	0.00343	0.0019	0.00182	0.00216	1.39E-05	5.67E-05	1.16E-05	6.82E-06	8.90E-05	1.26E-05	0.00E+00	1.55E-07	1.86E-07	1.30E-05
3188	480363.09, 3846877.25	0.00301	0.00176	0.00175	0.00223	1.22E-05	5.25E-05	1.12E-05	7.04E-06	8.29E-05	1.11E-05	0.00E+00	1.49E-07	1.92E-07	1.14E-05
3189	480863.09, 3846877.25	0.00284	0.00168	0.00173	0.00231	1.15E-05	5.01E-05	1.10E-05	7.29E-06	7.99E-05	1.04E-05	0.00E+00	1.47E-07	1.99E-07	1.08E-05
3190	481363.09, 3846877.25	0.00277	0.00166	0.00178	0.00238	1.12E-05	4.95E-05	1.14E-05	7.51E-06	7.96E-05	1.02E-05	0.00E+00	1.51E-07	2.05E-07	1.05E-05
3191	481863.09, 3846877.25	0.00247	0.00162	0.00187	0.00237	9.98E-06	4.83E-05	1.19E-05	7.48E-06	7.77E-05	9.08E-06	0.00E+00	1.59E-07	2.04E-07	9.44E-06
3192	482363.09, 3846877.25	0.0022	0.00147	0.00199	0.00231	8.89E-06	4.39E-05	1.27E-05	7.29E-06	7.27E-05	8.09E-06	0.00E+00	1.69E-07	1.99E-07	8.46E-06
3193	482863.09, 3846877.25	0.00216	0.00143	0.00214	0.00228	8.73E-06	4.27E-05	1.37E-05	7.20E-06	7.22E-05	7.94E-06	0.00E+00	1.82E-07	1.96E-07	8.32E-06
3194	483363.09, 3846877.25	0.0021	0.00139	0.00232	0.00229	8.49E-06	4.15E-05	1.48E-05	7.23E-06	7.20E-05	7.72E-06	0.00E+00	1.97E-07	1.97E-07	8.12E-06
3195	483863.09, 3846877.25	0.00205	0.00136	0.00251	0.00232	8.29E-06	4.06E-05	1.60E-05	7.33E-06	7.22E-05	7.54E-06	0.00E+00	2.13E-07	2.00E-07	7.95E-06
3196	484363.09, 3846877.25	0.00195	0.00134	0.00273	0.00234	7.88E-06	4.00E-05	1.74E-05	7.39E-06	7.27E-05	7.17E-06	0.00E+00	2.32E-07	2.01E-07	7.60E-06

3197	484863.09, 3846877.25	0.00189	0.0013	0.00284	0.00234	7.64E-06	3.88E-05	1.81E-05	7.39E-06	7.19E-05	6.95E-06	0.00E+00	2.42E-07	2.01E-07	7.39E-06
3198	485363.09, 3846877.25	0.00186	0.00128	0.00273	0.00232	7.52E-06	3.82E-05	1.74E-05	7.33E-06	7.04E-05	6.84E-06	0.00E+00	2.32E-07	2.00E-07	7.27E-06
3199	485863.09, 3846877.25	0.00167	0.00123	0.00236	0.00227	6.75E-06	3.67E-05	1.51E-05	7.17E-06	6.57E-05	6.14E-06	0.00E+00	2.01E-07	1.95E-07	6.54E-06
3200	486363.09, 3846877.25	0.00167	0.00126	0.00211	0.00225	6.75E-06	3.76E-05	1.35E-05	7.10E-06	6.49E-05	6.14E-06	0.00E+00	1.79E-07	1.94E-07	6.51E-06
3201	486863.09, 3846877.25	0.00147	0.00117	0.00189	0.00221	5.94E-06	3.49E-05	1.21E-05	6.98E-06	5.99E-05	5.40E-06	0.00E+00	1.61E-07	1.90E-07	5.76E-06
3202	487363.09, 3846877.25	0.00148	0.00114	0.00177	0.00223	5.98E-06	3.40E-05	1.13E-05	7.04E-06	5.83E-05	5.44E-06	0.00E+00	1.51E-07	1.92E-07	5.78E-06
3203	487863.09, 3846877.25	0.00147	0.00111	0.0018	0.00224	5.94E-06	3.31E-05	1.15E-05	7.07E-06	5.76E-05	5.40E-06	0.00E+00	1.53E-07	1.93E-07	5.75E-06
3204	488363.09, 3846877.25	0.00142	0.0011	0.00193	0.00226	5.74E-06	3.28E-05	1.23E-05	7.14E-06	5.80E-05	5.22E-06	0.00E+00	1.64E-07	1.95E-07	5.58E-06
3205	488863.09, 3846877.25	0.0014	0.00109	0.00217	0.00229	5.66E-06	3.25E-05	1.38E-05	7.23E-06	5.92E-05	5.15E-06	0.00E+00	1.85E-07	1.97E-07	5.53E-06
3206	489363.09, 3846877.25	0.00143	0.00109	0.00238	0.00231	5.78E-06	3.25E-05	1.52E-05	7.29E-06	6.08E-05	5.26E-06	0.00E+00	2.02E-07	1.99E-07	5.66E-06
3207	489863.09, 3846877.25	0.00139	0.0011	0.00244	0.00232	5.62E-06	3.28E-05	1.56E-05	7.33E-06	6.13E-05	5.11E-06	0.00E+00	2.08E-07	2.00E-07	5.52E-06
3208	490363.09, 3846877.25	0.00127	0.00105	0.00214	0.00229	5.13E-06	3.13E-05	1.37E-05	7.23E-06	5.73E-05	4.67E-06	0.00E+00	1.82E-07	1.97E-07	5.05E-06
3209	490863.09, 3846877.25	0.00127	0.00104	0.00201	0.0023	5.13E-06	3.10E-05	1.28E-05	7.26E-06	5.62E-05	4.67E-06	0.00E+00	1.71E-07	1.98E-07	5.04E-06
3210	491363.09, 3846877.25	0.00134	0.00107	0.00199	0.00237	5.42E-06	3.19E-05	1.27E-05	7.48E-06	5.75E-05	4.93E-06	0.00E+00	1.69E-07	2.04E-07	5.30E-06
3211	491863.09, 3846877.25	0.00138	0.00108	0.002	0.00242	5.58E-06	3.22E-05	1.28E-05	7.64E-06	5.82E-05	5.07E-06	0.00E+00	1.70E-07	2.08E-07	5.45E-06
3212	492363.09, 3846877.25	0.00154	0.00118	0.00213	0.00258	6.22E-06	3.52E-05	1.36E-05	8.15E-06	6.32E-05	5.66E-06	0.00E+00	1.81E-07	2.22E-07	6.07E-06
3213	492863.09, 3846877.25	0.00161	0.00121	0.00207	0.00267	6.51E-06	3.61E-05	1.32E-05	8.43E-06	6.42E-05	5.92E-06	0.00E+00	1.76E-07	2.30E-07	6.33E-06
3214	493363.09, 3846877.25	0.00175	0.00126	0.002	0.00277	7.07E-06	3.76E-05	1.28E-05	8.75E-06	6.62E-05	6.43E-06	0.00E+00	1.70E-07	2.39E-07	6.84E-06
3215	493863.09, 3846877.25	0.00186	0.00129	0.00198	0.00284	7.52E-06	3.85E-05	1.26E-05	8.97E-06	6.76E-05	6.84E-06	0.00E+00	1.68E-07	2.45E-07	7.25E-06
3216	494363.09, 3846877.25	0.00197	0.00133	0.00199	0.00291	7.96E-06	3.97E-05	1.27E-05	9.19E-06	6.95E-05	7.24E-06	0.00E+00	1.69E-07	2.51E-07	7.66E-06
3217	494863.09, 3846877.25	0.00206	0.0014	0.00203	0.00297	8.33E-06	4.18E-05	1.29E-05	9.38E-06	7.24E-05	7.57E-06	0.00E+00	1.73E-07	2.56E-07	8.00E-06
3218	495363.09, 3846877.25	0.00213	0.00148	0.00207	0.00305	8.61E-06	4.42E-05	1.32E-05	9.63E-06	7.56E-05	7.83E-06	0.00E+00	1.76E-07	2.63E-07	8.27E-06
3219	495863.09, 3846877.25	0.00222	0.00156	0.00218	0.00314	8.97E-06	4.65E-05	1.39E-05	9.91E-06	7.93E-05	8.16E-06	0.00E+00	1.85E-07	2.70E-07	8.62E-06
3220	496363.09, 3846877.25	0.00237	0.00165	0.00241	0.00324	9.58E-06	4.92E-05	1.54E-05	1.02E-05	8.44E-05	8.71E-06	0.00E+00	2.05E-07	2.79E-07	9.20E-06
3221	496863.09, 3846877.25	0.00257	0.00175	0.00269	0.00335	1.04E-05	5.22E-05	1.72E-05	1.06E-05	9.03E-05	9.45E-06	0.00E+00	2.29E-07	2.88E-07	9.97E-06
3222	497363.09, 3846877.25	0.00282	0.00189	0.00303	0.00348	1.14E-05	5.64E-05	1.93E-05	1.10E-05	9.81E-05	1.04E-05	0.00E+00	2.58E-07	3.00E-07	1.09E-05
3223	497863.09, 3846877.25	0.00308	0.00203	0.0034	0.0036	1.24E-05	6.06E-05	2.17E-05	1.14E-05	1.06E-04	1.13E-05	0.00E+00	2.89E-07	3.10E-07	1.19E-05
3224	498363.09, 3846877.25	0.00323	0.00212	0.00361	0.00372	1.31E-05	6.32E-05	2.30E-05	1.17E-05	1.11E-04	1.19E-05	0.00E+00	3.07E-07	3.20E-07	1.25E-05
3225	471363.09, 3847377.25	0.00598	0.00395	0.00157	0.00205	2.42E-05	1.18E-04	1.00E-05	6.47E-06	1.59E-04	2.20E-05	0.00E+00	1.34E-07	1.77E-07	2.23E-05
3226	471863.09, 3847377.25	0.00612	0.00398	0.00153	0.00208	2.47E-05	1.19E-04	9.76E-06	6.57E-06	1.60E-04	2.25E-05	0.00E+00	1.30E-07	1.79E-07	2.28E-05
3227	472363.09, 3847377.25	0.00611	0.00388	0.00152	0.00211	2.47E-05	1.16E-04	9.70E-06	6.66E-06	1.57E-04	2.25E-05	0.00E+00	1.29E-07	1.82E-07	2.28E-05
3228	472863.09, 3847377.25	0.00587	0.0035	0.00152	0.00212	2.37E-05	1.04E-04	9.70E-06	6.69E-06	1.45E-04	2.16E-05	0.00E+00	1.29E-07	1.83E-07	2.19E-05
3229	473363.09, 3847377.25	0.0051	0.00267	0.00149	0.00208	2.06E-05	7.97E-05	9.50E-06	6.57E-06	1.16E-04	1.88E-05	0.00E+00	1.27E-07	1.79E-07	1.91E-05
3230	473863.09, 3847377.25	0.00504	0.00269	0.00153	0.00206	2.04E-05	8.03E-05	9.76E-06	6.50E-06	1.17E-04	1.85E-05	0.00E+00	1.30E-07	1.77E-07	1.88E-05
3231	474363.09, 3847377.25	0.0052	0.0031	0.0016	0.00204	2.10E-05	9.25E-05	1.02E-05	6.44E-06	1.30E-04	1.91E-05	0.00E+00	1.36E-07	1.76E-07	1.94E-05
3232	474863.09, 3847377.25	0.00479	0.00335	0.00163	0.00201	1.94E-05	9.99E-05	1.04E-05	6.35E-06	1.36E-04	1.76E-05	0.00E+00	1.39E-07	1.73E-07	1.79E-05
3233	475363.09, 3847377.25	0.00438	0.0035	0.00163	0.00199	1.77E-05	1.04E-04	1.04E-05	6.28E-06	1.39E-04	1.61E-05	0.00E+00	1.39E-07	1.71E-07	1.64E-05
3234	475863.09, 3847377.25	0.0051	0.00403	0.00163	0.00205	2.06E-05	1.20E-04	1.04E-05	6.47E-06	1.58E-04	1.88E-05	0.00E+00	1.39E-07	1.77E-07	1.91E-05
3235	476363.09, 3847377.25	0.0065	0.0044	0.00162	0.0022	2.63E-05	1.31E-04	1.03E-05	6.95E-06	1.75E-04	2.39E-05	0.00E+00	1.38E-07	1.89E-07	2.42E-05
3236	476863.09, 3847377.25	0.00836	0.00393	0.00159	0.00226	3.38E-05	1.17E-04	1.01E-05	7.14E-06	1.68E-04	3.07E-05	0.00E+00	1.35E-07	1.95E-07	3.11E-05
3237	477363.09, 3847377.25	0.00865	0.00362	0.0016	0.00225	3.50E-05	1.08E-04	1.02E-05	7.10E-06	1.60E-04	3.18E-05	0.00E+00	1.36E-07	1.94E-07	3.21E-05
3238	477863.09, 3847377.25	0.00807	0.0031	0.00169	0.00224	3.26E-05	9.25E-05	1.08E-05	7.07E-06	1.43E-04	2.97E-05	0.00E+00	1.44E-07	1.93E-07	3.00E-05
3239	478363.09, 3847377.25	0.0069	0.00299	0.002	0.00229	2.79E-05	8.92E-05	1.28E-05	7.23E-06	1.37E-04	2.54E-05	0.00E+00	1.70E-07	1.97E-07	2.57E-05
3240	478863.09, 3847377.25	0.00537	0.00295	0.00272	0.00248	2.17E-05	8.80E-05	1.73E-05	7.83E-06	1.35E-04	1.97E-05	0.00E+00	2.31E-07	2.14E-07	2.02E-05
3241	479363.09, 3847377.25	0.0049	0.00235	0.00248	0.00229	1.98E-05	7.01E-05	1.58E-05	7.23E-06	1.13E-04	1.80E-05	0.00E+00	2.11E-07	1.97E-07	1.84E-05
3242	479863.09, 3847377.25	0.0035	0.00188	0.00197	0.00223	1.41E-05	5.61E-05	1.26E-05	7.04E-06	8.98E-05	1.29E-05	0.00E+00	1.68E-07	1.92E-07	1.32E-05
3243	480363.09, 3847377.25	0.00236	0.00158	0.00179	0.00227	9.54E-06	4.71E-05	1.14E-05	7.17E-06	7.53E-05	8.68E-06	0.00E+00	1.52E-07	1.95E-07	9.02E-06
3244	480863.09, 3847377.25	0.00222	0.0015	0.00176	0.00233	8.97E-06	4.47E-05	1.12E-05	7.36E-06	7.23E-05	8.16E-06	0.00E+00	1.50E-07	2.01E-07	8.51E-06
3245	481363.09, 3847377.25	0.00242	0.00155	0.00178	0.00242	9.78E-06	4.62E-05	1.14E-05	7.64E-06	7.50E-05	8.90E-06	0.00E+00	1.51E-07	2.08E-07	9.26E-06
3246	481863.09, 3847377.25	0.00281	0.00174	0.00189	0.00249	1.14E-05	5.19E-05	1.21E-05	7.86E-06	8.32E-05	1.03E-05	0.00E+00	1.61E-07	2.14E-07	1.07E-05
3247	482363.09, 3847377.25	0.0026	0.00168	0.00201	0.00245	1.05E-05	5.01E-05	1.28E-05	7.74E-06	8.12E-05	9.56E-06	0.00E+00	1.71E-07	2.11E-07	9.94E-06
3248	482863.09, 3847377.25	0.00248	0.00159	0.00217	0.00241	1.00E-05	4.74E-05	1.38E-05	7.61E-06	7.89E-05	9.12E-06	0.00E+00	1.85E-07	2.08E-07	9.51E-06
3249	483363.09, 3847377.25	0.00235	0.00151	0.00234	0.0024	9.50E-06	4.50E-05	1.49E-05	7.58E-06	7.71E-05	8.64E-06	0.00E+00	1.99E-07	2.07E-07	9.05E-06
3250	483863.09, 3847377.25	0.00235	0.00148	0.0026	0.00243	9.50E-06	4.42E-05	1.66E-05	7.67E-06	7.79E-05	8.64E-06	0.00E+00	2.21E-07	2.09E-07	9.07E-06
3251	484363.09, 3847377.25	0.0023	0.00149	0.00296	0.00247	9.30E-06	4.45E-05	1.89E-05	7.80E-06	8.04E-05	8.46E-06	0.00E+00	2.52E-07	2.13E-07	8.92E-06
3252	484863.09, 3847377.25	0.0022	0.00144	0.00315	0.00248	8.89E-06	4.30E-05	2.01E-05	7.83E-06	7.98E-05	8.09E-06	0.00E+00	2.68E-07	2.14E-07	8.57E-06
3253	485363.09, 3847377.25	0.00213	0.00141	0.00302	0.00246	8.61E-06	4.21E-05	1.93E-05	7.77E-06	7.77E-05	7.83E-06	0.00E+00	2.57E-07	2.12E-07	8.30E-06
3254	485863.09, 3847377.25	0.002	0.00138	0.00268	0.00242	8.08E-06	4.12E-05	1.71E-05	7.64E-06	7.40E-05	7.35E-06	0.00E+00	2.28E-07	2.08E-07	7.79E-06
3255	486363.09, 3847377.25	0.00192	0.0014	0.00228	0.00239	7.76E-06	4.18E-05	1.45E-05	7.55E-06	7.16E-05	7.06E-06	0.00E+00	1.94E-07	2.06E-07	7.46E-06
3256	486863.09, 3847377.25	0.00176	0.00133	0.00205	0.00237	7.11E-06	3.97E-05	1.31E-05	7.48E-06	6.74E-05	6.47E-06	0.00E+00	1.74E-07	2.04E-07	6.85E-06
3257	487363.09, 3847377.25	0.00176	0.0013	0.0019	0.00239	7.11E-06	3.88E-05	1.21E-05	7.55E-06	6.56E-05	6.47E-06	0.00E+00	1.62E-07	2.06E-07	6.84E-06
3258	487863.09, 3847377.25	0.00165	0.00122	0.0019	0.00239	6.67E-06	3.64E-05	1.21E-05	7.55E-06	6.27E-05	6.07E-06	0.00E+00	1.62E-07	2.06E-07	6.43E-06
3259	488363.09, 3847377.25	0.00159	0.0012	0.00212	0.00241	6.43E-06	3.58E-05	1.35E-05	7.61E-06	6.34E-05	5.85E-06	0.00E+00	1.80E-07	2.08E-07	6.23E-06
3260	488863.09, 3847377.25	0.00158	0.0012	0.00241	0.00244	6.39E-06	3.58E-05	1.54E-05	7.70E-06	6.53E-05	5.81E-06	0.00E+00	2.05E-07	2.10E-07	6.22E-06

3261	489363.09, 3847377.25	0.0016	0.0012	0.00263	0.00246	6.47E-06	3.58E-05	1.68E-05	7.77E-06	6.68E-05	5.88E-06	0.00E+00	2.24E-07	2.12E-07	6.32E-06
3262	489863.09, 3847377.25	0.00152	0.0012	0.00254	0.00248	6.14E-06	3.58E-05	1.62E-05	7.83E-06	6.60E-05	5.59E-06	0.00E+00	2.16E-07	2.14E-07	6.02E-06
3263	490363.09, 3847377.25	0.00145	0.00117	0.0023	0.0025	5.86E-06	3.49E-05	1.47E-05	7.89E-06	6.33E-05	5.33E-06	0.00E+00	1.96E-07	2.15E-07	5.74E-06
3264	490863.09, 3847377.25	0.00151	0.00119	0.00225	0.00256	6.10E-06	3.55E-05	1.44E-05	8.08E-06	6.40E-05	5.55E-06	0.00E+00	1.91E-07	2.20E-07	5.96E-06
3265	491363.09, 3847377.25	0.00158	0.00121	0.00223	0.00262	6.39E-06	3.61E-05	1.42E-05	8.27E-06	6.50E-05	5.81E-06	0.00E+00	1.90E-07	2.26E-07	6.22E-06
3266	491863.09, 3847377.25	0.00172	0.00128	0.00235	0.00273	6.95E-06	3.82E-05	1.50E-05	8.62E-06	6.87E-05	6.32E-06	0.00E+00	2.00E-07	2.35E-07	6.76E-06
3267	492363.09, 3847377.25	0.00176	0.0013	0.0023	0.00281	7.11E-06	3.88E-05	1.47E-05	8.87E-06	6.94E-05	6.47E-06	0.00E+00	1.96E-07	2.42E-07	6.91E-06
3268	492863.09, 3847377.25	0.00189	0.00135	0.00223	0.00292	7.64E-06	4.03E-05	1.42E-05	9.22E-06	7.14E-05	6.95E-06	0.00E+00	1.90E-07	2.51E-07	7.39E-06
3269	493363.09, 3847377.25	0.002	0.00138	0.00211	0.00301	8.08E-06	4.12E-05	1.35E-05	9.50E-06	7.22E-05	7.35E-06	0.00E+00	1.79E-07	2.59E-07	7.79E-06
3270	493863.09, 3847377.25	0.00207	0.0014	0.00206	0.00307	8.37E-06	4.18E-05	1.31E-05	9.69E-06	7.30E-05	7.61E-06	0.00E+00	1.75E-07	2.64E-07	8.05E-06
3271	494363.09, 3847377.25	0.00213	0.00145	0.00208	0.00312	8.61E-06	4.33E-05	1.33E-05	9.85E-06	7.50E-05	7.83E-06	0.00E+00	1.77E-07	2.69E-07	8.28E-06
3272	494863.09, 3847377.25	0.00219	0.00152	0.00212	0.00319	8.85E-06	4.53E-05	1.35E-05	1.01E-05	7.78E-05	8.05E-06	0.00E+00	1.80E-07	2.75E-07	8.51E-06
3273	495363.09, 3847377.25	0.00228	0.0016	0.00221	0.00328	9.22E-06	4.77E-05	1.41E-05	1.04E-05	8.14E-05	8.38E-06	0.00E+00	1.88E-07	2.82E-07	8.85E-06
3274	495863.09, 3847377.25	0.00243	0.00169	0.00243	0.00339	9.82E-06	5.04E-05	1.55E-05	1.07E-05	8.64E-05	8.93E-06	0.00E+00	2.07E-07	2.92E-07	9.43E-06
3275	496363.09, 3847377.25	0.0026	0.00178	0.0027	0.0035	1.05E-05	5.31E-05	1.72E-05	1.11E-05	9.19E-05	9.56E-06	0.00E+00	2.30E-07	3.01E-07	1.01E-05
3276	496863.09, 3847377.25	0.00286	0.0019	0.00298	0.00363	1.16E-05	5.67E-05	1.90E-05	1.15E-05	9.87E-05	1.05E-05	0.00E+00	2.53E-07	3.13E-07	1.11E-05
3277	497363.09, 3847377.25	0.00319	0.00208	0.00334	0.0038	1.29E-05	6.21E-05	2.13E-05	1.20E-05	1.08E-04	1.17E-05	0.00E+00	2.84E-07	3.27E-07	1.23E-05
3278	497863.09, 3847377.25	0.00362	0.0023	0.00377	0.00395	1.46E-05	6.86E-05	2.40E-05	1.25E-05	1.20E-04	1.33E-05	0.00E+00	3.21E-07	3.40E-07	1.40E-05
3279	498363.09, 3847377.25	0.00389	0.00242	0.00399	0.00408	1.57E-05	7.22E-05	2.55E-05	1.29E-05	1.26E-04	1.43E-05	0.00E+00	3.39E-07	3.51E-07	1.50E-05
3280	471363.09, 3847877.25	0.00662	0.00422	0.00165	0.00212	2.68E-05	1.26E-04	1.05E-05	6.69E-06	1.70E-04	2.43E-05	0.00E+00	1.40E-07	1.83E-07	2.47E-05
3281	471863.09, 3847877.25	0.00659	0.00432	0.00164	0.00214	2.66E-05	1.29E-04	1.05E-05	6.76E-06	1.73E-04	2.42E-05	0.00E+00	1.39E-07	1.84E-07	2.46E-05
3282	472363.09, 3847877.25	0.00667	0.00436	0.00161	0.00217	2.70E-05	1.30E-04	1.03E-05	6.85E-06	1.74E-04	2.45E-05	0.00E+00	1.37E-07	1.87E-07	2.48E-05
3283	472863.09, 3847877.25	0.00674	0.00426	0.00158	0.00219	2.72E-05	1.27E-04	1.01E-05	6.91E-06	1.71E-04	2.48E-05	0.00E+00	1.34E-07	1.89E-07	2.51E-05
3284	473363.09, 3847877.25	0.00669	0.00412	0.00156	0.00221	2.70E-05	1.23E-04	9.95E-06	6.98E-06	1.67E-04	2.46E-05	0.00E+00	1.33E-07	1.90E-07	2.49E-05
3285	473863.09, 3847877.25	0.00646	0.00369	0.00159	0.00222	2.61E-05	1.10E-04	1.01E-05	7.01E-06	1.53E-04	2.38E-05	0.00E+00	1.35E-07	1.91E-07	2.41E-05
3286	474363.09, 3847877.25	0.00581	0.00305	0.0016	0.00218	2.35E-05	9.10E-05	1.02E-05	6.88E-06	1.32E-04	2.14E-05	0.00E+00	1.36E-07	1.88E-07	2.17E-05
3287	474863.09, 3847877.25	0.00593	0.00352	0.00166	0.00216	2.40E-05	1.05E-04	1.06E-05	6.82E-06	1.46E-04	2.18E-05	0.00E+00	1.41E-07	1.86E-07	2.21E-05
3288	475363.09, 3847877.25	0.00548	0.0037	0.0017	0.00212	2.22E-05	1.10E-04	1.08E-05	6.69E-06	1.50E-04	2.01E-05	0.00E+00	1.45E-07	1.83E-07	2.05E-05
3289	475863.09, 3847877.25	0.00487	0.00383	0.0017	0.0021	1.97E-05	1.14E-04	1.08E-05	6.63E-06	1.51E-04	1.79E-05	0.00E+00	1.45E-07	1.81E-07	1.82E-05
3290	476363.09, 3847877.25	0.00589	0.00492	0.00172	0.0022	2.38E-05	1.47E-04	1.10E-05	6.95E-06	1.89E-04	2.17E-05	0.00E+00	1.46E-07	1.89E-07	2.20E-05
3291	476863.09, 3847877.25	0.00718	0.00481	0.00169	0.00234	2.90E-05	1.43E-04	1.08E-05	7.39E-06	1.91E-04	2.64E-05	0.00E+00	1.44E-07	2.01E-07	2.67E-05
3292	477363.09, 3847877.25	0.00952	0.00449	0.00167	0.0024	3.85E-05	1.34E-04	1.07E-05	7.58E-06	1.91E-04	3.50E-05	0.00E+00	1.42E-07	2.07E-07	3.53E-05
3293	477863.09, 3847877.25	0.00979	0.00394	0.00168	0.00239	3.96E-05	1.18E-04	1.07E-05	7.55E-06	1.75E-04	3.60E-05	0.00E+00	1.43E-07	2.06E-07	3.63E-05
3294	478363.09, 3847877.25	0.00917	0.00345	0.0018	0.00241	3.71E-05	1.03E-04	1.15E-05	7.61E-06	1.59E-04	3.37E-05	0.00E+00	1.53E-07	2.08E-07	3.41E-05
3295	478863.09, 3847877.25	0.00742	0.00329	0.00235	0.00265	3.00E-05	9.82E-05	1.50E-05	8.37E-06	1.52E-04	2.73E-05	0.00E+00	2.00E-07	2.28E-07	2.77E-05
3296	479363.09, 3847877.25	0.00468	0.00245	0.0024	0.00239	1.89E-05	7.31E-05	1.53E-05	7.55E-06	1.15E-04	1.72E-05	0.00E+00	2.04E-07	2.06E-07	1.76E-05
3297	479863.09, 3847877.25	0.00298	0.00174	0.00183	0.00229	1.20E-05	5.19E-05	1.17E-05	7.23E-06	8.29E-05	1.10E-05	0.00E+00	1.56E-07	1.97E-07	1.13E-05
3298	480363.09, 3847877.25	0.0029	0.00177	0.00189	0.00236	1.17E-05	5.28E-05	1.21E-05	7.45E-06	8.40E-05	1.07E-05	0.00E+00	1.61E-07	2.03E-07	1.10E-05
3299	480863.09, 3847877.25	0.00258	0.00168	0.00187	0.00244	1.04E-05	5.01E-05	1.19E-05	7.70E-06	8.02E-05	9.49E-06	0.00E+00	1.59E-07	2.10E-07	9.85E-06
3300	481363.09, 3847877.25	0.00267	0.00168	0.00186	0.00252	1.08E-05	5.01E-05	1.19E-05	7.96E-06	8.07E-05	9.82E-06	0.00E+00	1.58E-07	2.17E-07	1.02E-05
3301	481863.09, 3847877.25	0.00346	0.00197	0.00201	0.00263	1.40E-05	5.88E-05	1.28E-05	8.30E-06	9.39E-05	1.27E-05	0.00E+00	1.71E-07	2.26E-07	1.31E-05
3302	482363.09, 3847877.25	0.00309	0.00189	0.00206	0.00259	1.25E-05	5.64E-05	1.31E-05	8.18E-06	9.02E-05	1.14E-05	0.00E+00	1.75E-07	2.23E-07	1.18E-05
3303	482863.09, 3847877.25	0.00279	0.00174	0.00219	0.00254	1.13E-05	5.19E-05	1.40E-05	8.02E-06	8.52E-05	1.03E-05	0.00E+00	1.86E-07	2.19E-07	1.07E-05
3304	483363.09, 3847877.25	0.00267	0.00168	0.00237	0.00254	1.08E-05	5.01E-05	1.51E-05	8.02E-06	8.40E-05	9.82E-06	0.00E+00	2.02E-07	2.19E-07	1.02E-05
3305	483863.09, 3847877.25	0.00275	0.00164	0.00262	0.00258	1.11E-05	4.89E-05	1.67E-05	8.15E-06	8.49E-05	1.01E-05	0.00E+00	2.23E-07	2.22E-07	1.06E-05
3306	484363.09, 3847877.25	0.00266	0.00164	0.00299	0.00263	1.08E-05	4.89E-05	1.91E-05	8.30E-06	8.71E-05	9.78E-06	0.00E+00	2.54E-07	2.26E-07	1.03E-05
3307	484863.09, 3847877.25	0.00257	0.00162	0.00335	0.00265	1.04E-05	4.83E-05	2.14E-05	8.37E-06	8.85E-05	9.45E-06	0.00E+00	2.85E-07	2.28E-07	9.96E-06
3308	485363.09, 3847877.25	0.00257	0.00161	0.00337	0.00264	1.04E-05	4.80E-05	2.15E-05	8.34E-06	8.83E-05	9.45E-06	0.00E+00	2.87E-07	2.27E-07	9.96E-06
3309	485863.09, 3847877.25	0.00239	0.00157	0.00307	0.0026	9.66E-06	4.68E-05	1.96E-05	8.21E-06	8.43E-05	8.79E-06	0.00E+00	2.61E-07	2.24E-07	9.27E-06
3310	486363.09, 3847877.25	0.00214	0.00152	0.00248	0.00255	8.65E-06	4.53E-05	1.58E-05	8.05E-06	7.79E-05	7.87E-06	0.00E+00	2.11E-07	2.20E-07	8.30E-06
3311	486863.09, 3847877.25	0.00206	0.00149	0.00221	0.00253	8.33E-06	4.45E-05	1.41E-05	7.99E-06	7.49E-05	7.57E-06	0.00E+00	1.88E-07	2.18E-07	7.98E-06
3312	487363.09, 3847877.25	0.00198	0.00141	0.00202	0.00255	8.00E-06	4.21E-05	1.29E-05	8.05E-06	7.10E-05	7.28E-06	0.00E+00	1.72E-07	2.20E-07	7.67E-06
3313	487863.09, 3847877.25	0.00187	0.00134	0.00201	0.00255	7.56E-06	4.00E-05	1.28E-05	8.05E-06	6.84E-05	6.88E-06	0.00E+00	1.71E-07	2.20E-07	7.27E-06
3314	488363.09, 3847877.25	0.0018	0.00133	0.00224	0.00257	7.28E-06	3.97E-05	1.43E-05	8.11E-06	6.94E-05	6.62E-06	0.00E+00	1.91E-07	2.21E-07	7.03E-06
3315	488863.09, 3847877.25	0.00181	0.00135	0.00255	0.00261	7.32E-06	4.03E-05	1.63E-05	8.24E-06	7.21E-05	6.65E-06	0.00E+00	2.17E-07	2.25E-07	7.10E-06
3316	489363.09, 3847877.25	0.00181	0.00135	0.00277	0.00265	7.32E-06	4.03E-05	1.77E-05	8.37E-06	7.36E-05	6.65E-06	0.00E+00	2.36E-07	2.28E-07	7.12E-06
3317	489863.09, 3847877.25	0.00185	0.00141	0.00276	0.00271	7.48E-06	4.21E-05	1.76E-05	8.56E-06	7.57E-05	6.80E-06	0.00E+00	2.35E-07	2.33E-07	7.27E-06
3318	490363.09, 3847877.25	0.00186	0.00142	0.00256	0.00278	7.52E-06	4.24E-05	1.63E-05	8.78E-06	7.50E-05	6.84E-06	0.00E+00	2.18E-07	2.39E-07	7.30E-06
3319	490863.09, 3847877.25	0.00191	0.00142	0.00244	0.00284	7.72E-06	4.24E-05	1.56E-05	8.97E-06	7.46E-05	7.02E-06	0.00E+00	2.08E-07	2.45E-07	7.47E-06
3320	491363.09, 3847877.25	0.00192	0.00141	0.00246	0.0029	7.76E-06	4.21E-05	1.57E-05	9.16E-06	7.47E-05	7.06E-06	0.00E+00	2.09E-07	2.50E-07	7.52E-06
3321	491863.09, 3847877.25	0.002	0.00144	0.00247	0.00301	8.08E-06	4.30E-05	1.58E-05	9.50E-06	7.63E-05	7.35E-06	0.00E+00	2.10E-07	2.59E-07	7.82E-06
3322	492363.09, 3847877.25	0.0021	0.00148	0.00242	0.00314	8.49E-06	4.42E-05	1.54E-05	9.91E-06	7.80E-05	7.72E-06	0.00E+00	2.06E-07	2.70E-07	8.20E-06
3323	492863.09, 3847877.25	0.0022	0.0015	0.00229	0.00322	8.89E-06	4.47E-05	1.46E-05	1.02E-05	7.84E-05	8.09E-06	0.00E+00	1.95E-07	2.77E-07	8.56E-06
3324	493363.09, 3847877.25	0.0022	0.00149	0.00217	0.00324	8.89E-06	4.45E-05	1.38E-05	1.02E-05	7.74E-05	8.09E-06	0.00E+00	1.85E-07	2.79E-07	8.55E-06

3325	493863.09, 3847877.25	0.00222	0.00151	0.00212	0.0033	8.97E-06	4.50E-05	1.35E-05	1.04E-05	7.80E-05	8.16E-06	0.00E+00	1.80E-07	2.84E-07	8.63E-06
3326	494363.09, 3847877.25	0.00226	0.00157	0.00215	0.00337	9.14E-06	4.68E-05	1.37E-05	1.06E-05	8.03E-05	8.31E-06	0.00E+00	1.83E-07	2.90E-07	8.78E-06
3327	494863.09, 3847877.25	0.00236	0.00166	0.00222	0.00346	9.54E-06	4.95E-05	1.42E-05	1.09E-05	8.41E-05	8.68E-06	0.00E+00	1.89E-07	2.98E-07	9.16E-06
3328	495363.09, 3847877.25	0.00245	0.00172	0.0024	0.00353	9.90E-06	5.13E-05	1.53E-05	1.11E-05	8.77E-05	9.01E-06	0.00E+00	2.04E-07	3.04E-07	9.52E-06
3329	495863.09, 3847877.25	0.0024	0.00169	0.00249	0.00357	9.70E-06	5.04E-05	1.59E-05	1.13E-05	8.73E-05	8.82E-06	0.00E+00	2.12E-07	3.07E-07	9.34E-06
3330	496363.09, 3847877.25	0.00285	0.00192	0.00297	0.0038	1.15E-05	5.73E-05	1.89E-05	1.20E-05	9.97E-05	1.05E-05	0.00E+00	2.53E-07	3.27E-07	1.11E-05
3331	496863.09, 3847877.25	0.00316	0.00207	0.00328	0.00395	1.28E-05	6.18E-05	2.09E-05	1.25E-05	1.08E-04	1.16E-05	0.00E+00	2.79E-07	3.40E-07	1.22E-05
3332	497363.09, 3847877.25	0.00355	0.00227	0.00361	0.00411	1.43E-05	6.77E-05	2.30E-05	1.30E-05	1.18E-04	1.31E-05	0.00E+00	3.07E-07	3.54E-07	1.37E-05
3333	497863.09, 3847877.25	0.00426	0.00261	0.00414	0.00432	1.72E-05	7.79E-05	2.64E-05	1.36E-05	1.35E-04	1.57E-05	0.00E+00	3.52E-07	3.72E-07	1.64E-05
3334	498363.09, 3847877.25	0.00467	0.00279	0.0044	0.00449	1.89E-05	8.32E-05	2.81E-05	1.42E-05	1.44E-04	1.72E-05	0.00E+00	3.74E-07	3.87E-07	1.79E-05
3335	471363.09, 3848377.25	0.00683	0.00458	0.00163	0.0022	2.76E-05	1.37E-04	1.04E-05	6.95E-06	1.82E-04	2.51E-05	0.00E+00	1.39E-07	1.89E-07	2.54E-05
3336	471863.09, 3848377.25	0.00724	0.0046	0.00169	0.00222	2.93E-05	1.37E-04	1.08E-05	7.01E-06	1.84E-04	2.66E-05	0.00E+00	1.44E-07	1.91E-07	2.70E-05
3337	472363.09, 3848377.25	0.0073	0.00463	0.00171	0.00225	2.95E-05	1.38E-04	1.09E-05	7.10E-06	1.86E-04	2.68E-05	0.00E+00	1.45E-07	1.94E-07	2.72E-05
3338	472863.09, 3848377.25	0.00732	0.00473	0.0017	0.00227	2.96E-05	1.41E-04	1.08E-05	7.17E-06	1.89E-04	2.69E-05	0.00E+00	1.45E-07	1.95E-07	2.73E-05
3339	473363.09, 3848377.25	0.0074	0.00466	0.00166	0.0023	2.99E-05	1.39E-04	1.06E-05	7.26E-06	1.87E-04	2.72E-05	0.00E+00	1.41E-07	1.98E-07	2.75E-05
3340	473863.09, 3848377.25	0.00743	0.00452	0.00164	0.00232	3.00E-05	1.35E-04	1.05E-05	7.33E-06	1.83E-04	2.73E-05	0.00E+00	1.39E-07	2.00E-07	2.77E-05
3341	474363.09, 3848377.25	0.00725	0.00417	0.00164	0.00233	2.93E-05	1.24E-04	1.05E-05	7.36E-06	1.72E-04	2.67E-05	0.00E+00	1.39E-07	2.01E-07	2.70E-05
3342	474863.09, 3848377.25	0.00671	0.00354	0.00167	0.0023	2.71E-05	1.06E-04	1.07E-05	7.26E-06	1.51E-04	2.47E-05	0.00E+00	1.42E-07	1.98E-07	2.50E-05
3343	475363.09, 3848377.25	0.00696	0.00428	0.00173	0.00228	2.81E-05	1.28E-04	1.10E-05	7.20E-06	1.74E-04	2.56E-05	0.00E+00	1.47E-07	1.96E-07	2.59E-05
3344	475863.09, 3848377.25	0.00643	0.00433	0.00178	0.00224	2.60E-05	1.29E-04	1.14E-05	7.07E-06	1.74E-04	2.36E-05	0.00E+00	1.51E-07	1.93E-07	2.40E-05
3345	476363.09, 3848377.25	0.00556	0.00426	0.00179	0.00223	2.25E-05	1.27E-04	1.14E-05	7.04E-06	1.68E-04	2.04E-05	0.00E+00	1.52E-07	1.92E-07	2.08E-05
3346	476863.09, 3848377.25	0.00663	0.00578	0.0018	0.00234	2.68E-05	1.72E-04	1.15E-05	7.39E-06	2.18E-04	2.44E-05	0.00E+00	1.53E-07	2.01E-07	2.47E-05
3347	477363.09, 3848377.25	0.00787	0.00519	0.00177	0.00248	3.18E-05	1.55E-04	1.13E-05	7.83E-06	2.06E-04	2.89E-05	0.00E+00	1.51E-07	2.14E-07	2.93E-05
3348	477863.09, 3848377.25	0.01061	0.00494	0.00175	0.00254	4.29E-05	1.47E-04	1.12E-05	8.02E-06	2.09E-04	3.90E-05	0.00E+00	1.49E-07	2.19E-07	3.94E-05
3349	478363.09, 3848377.25	0.0109	0.00418	0.00176	0.00253	4.41E-05	1.25E-04	1.12E-05	7.99E-06	1.88E-04	4.01E-05	0.00E+00	1.50E-07	2.18E-07	4.04E-05
3350	478863.09, 3848377.25	0.00978	0.00357	0.00198	0.00272	3.95E-05	1.07E-04	1.26E-05	8.59E-06	1.67E-04	3.60E-05	0.00E+00	1.68E-07	2.34E-07	3.64E-05
3351	479363.09, 3848377.25	0.00606	0.00278	0.00225	0.00256	2.45E-05	8.29E-05	1.44E-05	8.08E-06	1.30E-04	2.23E-05	0.00E+00	1.91E-07	2.20E-07	2.27E-05
3352	479863.09, 3848377.25	0.00231	0.00153	0.00174	0.00234	9.34E-06	4.56E-05	1.11E-05	7.39E-06	7.35E-05	8.49E-06	0.00E+00	1.48E-07	2.01E-07	8.84E-06
3353	480363.09, 3848377.25	0.00307	0.00182	0.00192	0.00245	1.24E-05	5.43E-05	1.22E-05	7.74E-06	8.67E-05	1.13E-05	0.00E+00	1.63E-07	2.11E-07	1.17E-05
3354	480863.09, 3848377.25	0.004	0.00218	0.00211	0.00258	1.62E-05	6.50E-05	1.35E-05	8.15E-06	1.03E-04	1.47E-05	0.00E+00	1.79E-07	2.22E-07	1.51E-05
3355	481363.09, 3848377.25	0.0042	0.00219	0.00204	0.0027	1.70E-05	6.53E-05	1.30E-05	8.52E-06	1.04E-04	1.54E-05	0.00E+00	1.73E-07	2.32E-07	1.58E-05
3356	481863.09, 3848377.25	0.00419	0.00221	0.00213	0.0028	1.69E-05	6.59E-05	1.36E-05	8.84E-06	1.05E-04	1.54E-05	0.00E+00	1.81E-07	2.41E-07	1.58E-05
3357	482363.09, 3848377.25	0.00395	0.00218	0.00222	0.00276	1.60E-05	6.50E-05	1.42E-05	8.71E-06	1.04E-04	1.45E-05	0.00E+00	1.89E-07	2.38E-07	1.49E-05
3358	482863.09, 3848377.25	0.00334	0.00197	0.00225	0.00269	1.35E-05	5.88E-05	1.44E-05	8.49E-06	9.51E-05	1.23E-05	0.00E+00	1.91E-07	2.32E-07	1.27E-05
3359	483363.09, 3848377.25	0.00326	0.00192	0.00241	0.00268	1.32E-05	5.73E-05	1.54E-05	8.46E-06	9.43E-05	1.20E-05	0.00E+00	2.05E-07	2.31E-07	1.24E-05
3360	483863.09, 3848377.25	0.00311	0.00179	0.00263	0.00271	1.26E-05	5.34E-05	1.68E-05	8.56E-06	9.13E-05	1.14E-05	0.00E+00	2.24E-07	2.33E-07	1.19E-05
3361	484363.09, 3848377.25	0.00296	0.00175	0.00298	0.00277	1.20E-05	5.22E-05	1.90E-05	8.75E-06	9.19E-05	1.09E-05	0.00E+00	2.53E-07	2.39E-07	1.14E-05
3362	484863.09, 3848377.25	0.00312	0.00185	0.00348	0.00283	1.26E-05	5.52E-05	2.22E-05	8.94E-06	9.89E-05	1.15E-05	0.00E+00	2.96E-07	2.44E-07	1.20E-05
3363	485363.09, 3848377.25	0.00302	0.0018	0.00366	0.00282	1.22E-05	5.37E-05	2.33E-05	8.90E-06	9.82E-05	1.11E-05	0.00E+00	3.11E-07	2.43E-07	1.17E-05
3364	485863.09, 3848377.25	0.00275	0.00172	0.00339	0.00277	1.11E-05	5.13E-05	2.16E-05	8.75E-06	9.28E-05	1.01E-05	0.00E+00	2.88E-07	2.39E-07	1.06E-05
3365	486363.09, 3848377.25	0.0025	0.00169	0.00277	0.00272	1.01E-05	5.04E-05	1.77E-05	8.59E-06	8.68E-05	9.19E-06	0.00E+00	2.36E-07	2.34E-07	9.66E-06
3366	486863.09, 3848377.25	0.00241	0.00166	0.00238	0.0027	9.74E-06	4.95E-05	1.52E-05	8.52E-06	8.30E-05	8.86E-06	0.00E+00	2.02E-07	2.32E-07	9.30E-06
3367	487363.09, 3848377.25	0.00218	0.00152	0.00214	0.0027	8.81E-06	4.53E-05	1.37E-05	8.52E-06	7.63E-05	8.01E-06	0.00E+00	1.82E-07	2.32E-07	8.43E-06
3368	487863.09, 3848377.25	0.0021	0.00148	0.00212	0.00272	8.49E-06	4.42E-05	1.35E-05	8.59E-06	7.48E-05	7.72E-06	0.00E+00	1.80E-07	2.34E-07	8.14E-06
3369	488363.09, 3848377.25	0.00206	0.00149	0.00237	0.00275	8.33E-06	4.45E-05	1.51E-05	8.68E-06	7.66E-05	7.57E-06	0.00E+00	2.02E-07	2.37E-07	8.01E-06
3370	488863.09, 3848377.25	0.00206	0.00149	0.0027	0.0028	8.33E-06	4.45E-05	1.72E-05	8.84E-06	7.88E-05	7.57E-06	0.00E+00	2.30E-07	2.41E-07	8.04E-06
3371	489363.09, 3848377.25	0.00208	0.00151	0.00292	0.00285	8.41E-06	4.50E-05	1.86E-05	9.00E-06	8.11E-05	7.65E-06	0.00E+00	2.48E-07	2.45E-07	8.14E-06
3372	489863.09, 3848377.25	0.00217	0.0016	0.0029	0.00295	8.77E-06	4.77E-05	1.85E-05	9.31E-06	8.43E-05	7.98E-06	0.00E+00	2.47E-07	2.54E-07	8.48E-06
3373	490363.09, 3848377.25	0.00225	0.0016	0.00272	0.00303	9.09E-06	4.77E-05	1.73E-05	9.57E-06	8.37E-05	8.27E-06	0.00E+00	2.31E-07	2.61E-07	8.76E-06
3374	490863.09, 3848377.25	0.00225	0.00159	0.00263	0.00311	9.09E-06	4.74E-05	1.68E-05	9.82E-06	8.31E-05	8.27E-06	0.00E+00	2.24E-07	2.68E-07	8.76E-06
3375	491363.09, 3848377.25	0.00229	0.00161	0.00268	0.00321	9.26E-06	4.80E-05	1.71E-05	1.01E-05	8.45E-05	8.42E-06	0.00E+00	2.28E-07	2.76E-07	8.92E-06
3376	491863.09, 3848377.25	0.00235	0.00163	0.00263	0.00333	9.50E-06	4.86E-05	1.68E-05	1.05E-05	8.54E-05	8.64E-06	0.00E+00	2.24E-07	2.87E-07	9.15E-06
3377	492363.09, 3848377.25	0.00235	0.00161	0.00248	0.00342	9.50E-06	4.80E-05	1.58E-05	1.08E-05	8.41E-05	8.64E-06	0.00E+00	2.11E-07	2.94E-07	9.15E-06
3378	492863.09, 3848377.25	0.00232	0.00159	0.00231	0.00344	9.38E-06	4.74E-05	1.47E-05	1.09E-05	8.24E-05	8.53E-06	0.00E+00	1.96E-07	2.96E-07	9.02E-06
3379	493363.09, 3848377.25	0.00237	0.00161	0.00218	0.0035	9.58E-06	4.80E-05	1.39E-05	1.11E-05	8.26E-05	8.71E-06	0.00E+00	1.85E-07	3.01E-07	9.20E-06
3380	493863.09, 3848377.25	0.0024	0.00165	0.00223	0.00355	9.70E-06	4.92E-05	1.42E-05	1.12E-05	8.44E-05	8.82E-06	0.00E+00	1.90E-07	3.06E-07	9.32E-06
3381	494363.09, 3848377.25	0.00246	0.00172	0.00222	0.00363	9.94E-06	5.13E-05	1.42E-05	1.15E-05	8.69E-05	9.04E-06	0.00E+00	1.89E-07	3.13E-07	9.55E-06
3382	494863.09, 3848377.25	0.00263	0.00182	0.00235	0.00375	1.06E-05	5.43E-05	1.50E-05	1.18E-05	9.18E-05	9.67E-06	0.00E+00	2.00E-07	3.23E-07	1.02E-05
3383	495363.09, 3848377.25	0.00265	0.00183	0.00257	0.00383	1.07E-05	5.46E-05	1.64E-05	1.21E-05	9.38E-05	9.74E-06	0.00E+00	2.19E-07	3.30E-07	1.03E-05
3384	495863.09, 3848377.25	0.00281	0.00191	0.00283	0.00394	1.14E-05	5.70E-05	1.81E-05	1.24E-05	9.88E-05	1.03E-05	0.00E+00	2.41E-07	3.39E-07	1.09E-05
3385	496363.09, 3848377.25	0.00315	0.00208	0.00322	0.00412	1.27E-05	6.21E-05	2.05E-05	1.30E-05	1.08E-04	1.16E-05	0.00E+00	2.74E-07	3.55E-07	1.22E-05
3386	496863.09, 3848377.25	0.00329	0.00217	0.00345	0.00423	1.33E-05	6.47E-05	2.20E-05	1.34E-05	1.13E-04	1.21E-05	0.00E+00	2.93E-07	3.64E-07	1.28E-05
3387	497363.09, 3848377.25	0.00382	0.00242	0.00386	0.00444	1.54E-05	7.22E-05	2.46E-05	1.40E-05	1.26E-04	1.40E-05	0.00E+00	3.28E-07	3.82E-07	1.48E-05
3388	497863.09, 3848377.25	0.00518	0.00303	0.00457	0.00478	2.09E-05	9.04E-05	2.91E-05	1.51E-05	1.56E-04	1.90E-05	0.00E+00	3.89E-07	4.12E-07	1.98E-05

3389	498363.09, 3848377.25	0.00558	0.00317	0.00463	0.00491	2.26E-05	9.46E-05	2.95E-05	1.55E-05	1.62E-04	2.05E-05	0.00E+00	3.94E-07	4.23E-07	2.13E-05
3390	471363.09, 3848877.25	0.00624	0.00487	0.00156	0.00229	2.52E-05	1.45E-04	9.95E-06	7.23E-06	1.88E-04	2.29E-05	0.00E+00	1.33E-07	1.97E-07	2.33E-05
3391	471863.09, 3848877.25	0.00693	0.00503	0.00164	0.00231	2.80E-05	1.50E-04	1.05E-05	7.29E-06	1.96E-04	2.55E-05	0.00E+00	1.39E-07	1.99E-07	2.58E-05
3392	472363.09, 3848877.25	0.00763	0.00507	0.00171	0.00234	3.08E-05	1.51E-04	1.09E-05	7.39E-06	2.00E-04	2.81E-05	0.00E+00	1.45E-07	2.01E-07	2.84E-05
3393	472863.09, 3848877.25	0.00805	0.00507	0.00177	0.00236	3.25E-05	1.51E-04	1.13E-05	7.45E-06	2.03E-04	2.96E-05	0.00E+00	1.51E-07	2.03E-07	2.99E-05
3394	473363.09, 3848877.25	0.00816	0.0052	0.00178	0.00239	3.30E-05	1.55E-04	1.14E-05	7.55E-06	2.07E-04	3.00E-05	0.00E+00	1.51E-07	2.06E-07	3.04E-05
3395	473863.09, 3848877.25	0.0082	0.00516	0.00176	0.00242	3.31E-05	1.54E-04	1.12E-05	7.64E-06	2.06E-04	3.01E-05	0.00E+00	1.50E-07	2.08E-07	3.05E-05
3396	474363.09, 3848877.25	0.00828	0.00508	0.00173	0.00244	3.35E-05	1.52E-04	1.10E-05	7.70E-06	2.04E-04	3.04E-05	0.00E+00	1.47E-07	2.10E-07	3.08E-05
3397	474863.09, 3848877.25	0.00808	0.0045	0.00172	0.00246	3.27E-05	1.34E-04	1.10E-05	7.77E-06	1.86E-04	2.97E-05	0.00E+00	1.46E-07	2.12E-07	3.01E-05
3398	475363.09, 3848877.25	0.00786	0.0043	0.00174	0.00245	3.18E-05	1.28E-04	1.11E-05	7.74E-06	1.79E-04	2.89E-05	0.00E+00	1.48E-07	2.11E-07	2.93E-05
3399	475863.09, 3848877.25	0.00796	0.00497	0.00179	0.00242	3.22E-05	1.48E-04	1.14E-05	7.64E-06	2.00E-04	2.93E-05	0.00E+00	1.52E-07	2.08E-07	2.96E-05
3400	476363.09, 3848877.25	0.0076	0.00531	0.00185	0.00239	3.07E-05	1.58E-04	1.18E-05	7.55E-06	2.08E-04	2.79E-05	0.00E+00	1.57E-07	2.06E-07	2.83E-05
3401	476863.09, 3848877.25	0.00686	0.00541	0.00189	0.00239	2.77E-05	1.61E-04	1.21E-05	7.55E-06	2.09E-04	2.52E-05	0.00E+00	1.61E-07	2.06E-07	2.56E-05
3402	477363.09, 3848877.25	0.00749	0.00687	0.00189	0.00248	3.03E-05	2.05E-04	1.21E-05	7.83E-06	2.55E-04	2.75E-05	0.00E+00	1.61E-07	2.14E-07	2.79E-05
3403	477863.09, 3848877.25	0.0089	0.00597	0.00186	0.00263	3.60E-05	1.78E-04	1.19E-05	8.30E-06	2.34E-04	3.27E-05	0.00E+00	1.58E-07	2.26E-07	3.31E-05
3404	478363.09, 3848877.25	0.01205	0.0056	0.00183	0.00268	4.87E-05	1.67E-04	1.17E-05	8.46E-06	2.36E-04	4.43E-05	0.00E+00	1.56E-07	2.31E-07	4.47E-05
3405	478863.09, 3848877.25	0.01221	0.00445	0.0019	0.00282	4.94E-05	1.33E-04	1.21E-05	8.90E-06	2.03E-04	4.49E-05	0.00E+00	1.62E-07	2.43E-07	4.53E-05
3406	479363.09, 3848877.25	0.01021	0.00367	0.0021	0.00294	4.13E-05	1.09E-04	1.34E-05	9.28E-06	1.73E-04	3.75E-05	0.00E+00	1.79E-07	2.53E-07	3.80E-05
3407	479863.09, 3848877.25	0.00651	0.003	0.00248	0.00275	2.63E-05	8.95E-05	1.58E-05	8.68E-06	1.40E-04	2.39E-05	0.00E+00	2.11E-07	2.37E-07	2.44E-05
3408	480363.09, 3848877.25	0.00639	0.00286	0.00304	0.00273	2.58E-05	8.53E-05	1.94E-05	8.62E-06	1.39E-04	2.35E-05	0.00E+00	2.59E-07	2.35E-07	2.40E-05
3409	480863.09, 3848877.25	0.00642	0.0029	0.00288	0.00281	2.60E-05	8.65E-05	1.84E-05	8.87E-06	1.40E-04	2.36E-05	0.00E+00	2.45E-07	2.42E-07	2.41E-05
3410	481363.09, 3848877.25	0.00571	0.00276	0.00227	0.00293	2.31E-05	8.23E-05	1.45E-05	9.25E-06	1.29E-04	2.10E-05	0.00E+00	1.93E-07	2.52E-07	2.14E-05
3411	481863.09, 3848877.25	0.0051	0.00249	0.00221	0.00295	2.06E-05	7.43E-05	1.41E-05	9.31E-06	1.18E-04	1.88E-05	0.00E+00	1.88E-07	2.54E-07	1.92E-05
3412	482363.09, 3848877.25	0.00395	0.00222	0.00217	0.00289	1.60E-05	6.62E-05	1.38E-05	9.12E-06	1.05E-04	1.45E-05	0.00E+00	1.85E-07	2.49E-07	1.50E-05
3413	482863.09, 3848877.25	0.00325	0.00197	0.0022	0.00282	1.31E-05	5.88E-05	1.40E-05	8.90E-06	9.48E-05	1.19E-05	0.00E+00	1.87E-07	2.43E-07	1.24E-05
3414	483363.09, 3848877.25	0.00291	0.00184	0.00237	0.00279	1.18E-05	5.49E-05	1.51E-05	8.81E-06	9.06E-05	1.07E-05	0.00E+00	2.02E-07	2.40E-07	1.11E-05
3415	483863.09, 3848877.25	0.00295	0.00178	0.00261	0.00282	1.19E-05	5.31E-05	1.66E-05	8.90E-06	9.06E-05	1.08E-05	0.00E+00	2.22E-07	2.43E-07	1.13E-05
3416	484363.09, 3848877.25	0.00336	0.0019	0.00297	0.00292	1.36E-05	5.67E-05	1.89E-05	9.22E-06	9.84E-05	1.24E-05	0.00E+00	2.53E-07	2.51E-07	1.29E-05
3417	484863.09, 3848877.25	0.00377	0.00208	0.00353	0.00303	1.52E-05	6.21E-05	2.25E-05	9.57E-06	1.09E-04	1.39E-05	0.00E+00	3.00E-07	2.61E-07	1.44E-05
3418	485363.09, 3848877.25	0.00361	0.00205	0.00393	0.00303	1.46E-05	6.12E-05	2.51E-05	9.57E-06	1.10E-04	1.33E-05	0.00E+00	3.34E-07	2.61E-07	1.39E-05
3419	485863.09, 3848877.25	0.00322	0.00193	0.00375	0.00298	1.30E-05	5.76E-05	2.39E-05	9.41E-06	1.04E-04	1.18E-05	0.00E+00	3.19E-07	2.57E-07	1.24E-05
3420	486363.09, 3848877.25	0.00283	0.00185	0.00307	0.00292	1.14E-05	5.52E-05	1.96E-05	9.22E-06	9.54E-05	1.04E-05	0.00E+00	2.61E-07	2.51E-07	1.09E-05
3421	486863.09, 3848877.25	0.00267	0.00178	0.00256	0.00288	1.08E-05	5.31E-05	1.63E-05	9.09E-06	8.93E-05	9.82E-06	0.00E+00	2.18E-07	2.48E-07	1.03E-05
3422	487363.09, 3848877.25	0.00258	0.00172	0.00231	0.00289	1.04E-05	5.13E-05	1.47E-05	9.12E-06	8.56E-05	9.49E-06	0.00E+00	1.96E-07	2.49E-07	9.93E-06
3423	487863.09, 3848877.25	0.00242	0.00166	0.00225	0.00292	9.78E-06	4.95E-05	1.44E-05	9.22E-06	8.29E-05	8.90E-06	0.00E+00	1.91E-07	2.51E-07	9.34E-06
3424	488363.09, 3848877.25	0.00241	0.00168	0.00251	0.00297	9.74E-06	5.01E-05	1.60E-05	9.38E-06	8.52E-05	8.86E-06	0.00E+00	2.13E-07	2.56E-07	9.33E-06
3425	488863.09, 3848877.25	0.0024	0.00167	0.00288	0.00302	9.70E-06	4.98E-05	1.84E-05	9.54E-06	8.74E-05	8.82E-06	0.00E+00	2.45E-07	2.60E-07	9.33E-06
3426	489363.09, 3848877.25	0.00246	0.00172	0.00317	0.00311	9.94E-06	5.13E-05	2.02E-05	9.82E-06	9.13E-05	9.04E-06	0.00E+00	2.70E-07	2.68E-07	9.58E-06
3427	489863.09, 3848877.25	0.0026	0.0018	0.00317	0.00322	1.05E-05	5.37E-05	2.02E-05	1.02E-05	9.46E-05	9.56E-06	0.00E+00	2.70E-07	2.77E-07	1.01E-05
3428	490363.09, 3848877.25	0.00259	0.00177	0.0029	0.00332	1.05E-05	5.28E-05	1.85E-05	1.05E-05	9.23E-05	9.52E-06	0.00E+00	2.47E-07	2.86E-07	1.01E-05
3429	490863.09, 3848877.25	0.00261	0.00176	0.00286	0.00343	1.06E-05	5.25E-05	1.82E-05	1.08E-05	9.21E-05	9.60E-06	0.00E+00	2.43E-07	2.95E-07	1.01E-05
3430	491363.09, 3848877.25	0.00266	0.0018	0.00283	0.00355	1.08E-05	5.37E-05	1.81E-05	1.12E-05	9.37E-05	9.78E-06	0.00E+00	2.41E-07	3.06E-07	1.03E-05
3431	491863.09, 3848877.25	0.00263	0.00179	0.0027	0.00364	1.06E-05	5.34E-05	1.72E-05	1.15E-05	9.27E-05	9.67E-06	0.00E+00	2.30E-07	3.13E-07	1.02E-05
3432	492363.09, 3848877.25	0.0026	0.00176	0.00253	0.00371	1.05E-05	5.25E-05	1.61E-05	1.17E-05	9.09E-05	9.56E-06	0.00E+00	2.15E-07	3.19E-07	1.01E-05
3433	492863.09, 3848877.25	0.00251	0.00171	0.00229	0.00372	1.01E-05	5.10E-05	1.46E-05	1.17E-05	8.75E-05	9.23E-06	0.00E+00	1.95E-07	3.20E-07	9.74E-06
3434	493363.09, 3848877.25	0.00244	0.00169	0.00221	0.00374	9.86E-06	5.04E-05	1.41E-05	1.18E-05	8.62E-05	8.97E-06	0.00E+00	1.88E-07	3.22E-07	9.48E-06
3435	493863.09, 3848877.25	0.0026	0.00181	0.00226	0.00386	1.05E-05	5.40E-05	1.44E-05	1.22E-05	9.11E-05	9.56E-06	0.00E+00	1.92E-07	3.32E-07	1.01E-05
3436	494363.09, 3848877.25	0.00274	0.0019	0.00237	0.00399	1.11E-05	5.67E-05	1.51E-05	1.26E-05	9.55E-05	1.01E-05	0.00E+00	2.02E-07	3.44E-07	1.06E-05
3437	494863.09, 3848877.25	0.00301	0.00203	0.00266	0.00414	1.22E-05	6.06E-05	1.70E-05	1.31E-05	1.03E-04	1.11E-05	0.00E+00	2.26E-07	3.56E-07	1.16E-05
3438	495363.09, 3848877.25	0.00326	0.00214	0.003	0.00428	1.32E-05	6.38E-05	1.91E-05	1.35E-05	1.10E-04	1.20E-05	0.00E+00	2.55E-07	3.69E-07	1.26E-05
3439	495863.09, 3848877.25	0.00327	0.00213	0.00316	0.00434	1.32E-05	6.35E-05	2.02E-05	1.37E-05	1.11E-04	1.20E-05	0.00E+00	2.69E-07	3.74E-07	1.27E-05
3440	496363.09, 3848877.25	0.00352	0.00227	0.00345	0.00449	1.42E-05	6.77E-05	2.20E-05	1.42E-05	1.18E-04	1.29E-05	0.00E+00	2.93E-07	3.87E-07	1.36E-05
3441	496863.09, 3848877.25	0.00408	0.00255	0.00391	0.00472	1.65E-05	7.61E-05	2.49E-05	1.49E-05	1.32E-04	1.50E-05	0.00E+00	3.33E-07	4.06E-07	1.57E-05
3442	497363.09, 3848877.25	0.00525	0.00306	0.00462	0.00505	2.12E-05	9.13E-05	2.95E-05	1.59E-05	1.58E-04	1.93E-05	0.00E+00	3.93E-07	4.35E-07	2.01E-05
3443	497863.09, 3848877.25	0.00603	0.00337	0.00481	0.00525	2.44E-05	1.01E-04	3.07E-05	1.66E-05	1.72E-04	2.22E-05	0.00E+00	4.09E-07	4.52E-07	2.30E-05
3444	498363.09, 3848877.25	0.00676	0.00363	0.00478	0.00542	2.73E-05	1.08E-04	3.05E-05	1.71E-05	1.83E-04	2.49E-05	0.00E+00	4.07E-07	4.67E-07	2.57E-05
3445	471363.09, 3849377.25	0.00612	0.00498	0.00161	0.00239	2.47E-05	1.49E-04	1.03E-05	7.55E-06	1.91E-04	2.25E-05	0.00E+00	1.37E-07	2.06E-07	2.28E-05
3446	471863.09, 3849377.25	0.00655	0.00536	0.0016	0.00241	2.65E-05	1.60E-04	1.02E-05	7.61E-06	2.04E-04	2.41E-05	0.00E+00	1.36E-07	2.08E-07	2.44E-05
3447	472363.09, 3849377.25	0.00709	0.00552	0.00165	0.00243	2.87E-05	1.65E-04	1.05E-05	7.67E-06	2.12E-04	2.61E-05	0.00E+00	1.40E-07	2.09E-07	2.64E-05
3448	472863.09, 3849377.25	0.00784	0.00563	0.00173	0.00246	3.17E-05	1.68E-04	1.10E-05	7.77E-06	2.18E-04	2.88E-05	0.00E+00	1.47E-07	2.12E-07	2.92E-05
3449	473363.09, 3849377.25	0.00858	0.00562	0.00181	0.00249	3.47E-05	1.68E-04	1.15E-05	7.86E-06	2.22E-04	3.15E-05	0.00E+00	1.54E-07	2.14E-07	3.19E-05
3450	473863.09, 3849377.25	0.00902	0.00567	0.00186	0.00252	3.65E-05	1.69E-04	1.19E-05	7.96E-06	2.25E-04	3.32E-05	0.00E+00	1.58E-07	2.17E-07	3.35E-05
3451	474363.09, 3849377.25	0.00917	0.00572	0.00186	0.00255	3.71E-05	1.71E-04	1.19E-05	8.05E-06	2.28E-04	3.37E-05	0.00E+00	1.58E-07	2.20E-07	3.41E-05
3452	474863.09, 3849377.25	0.00926	0.00565	0.00183	0.00258	3.74E-05	1.69E-04	1.17E-05	8.15E-06	2.26E-04	3.40E-05	0.00E+00	1.56E-07	2.22E-07	3.44E-05